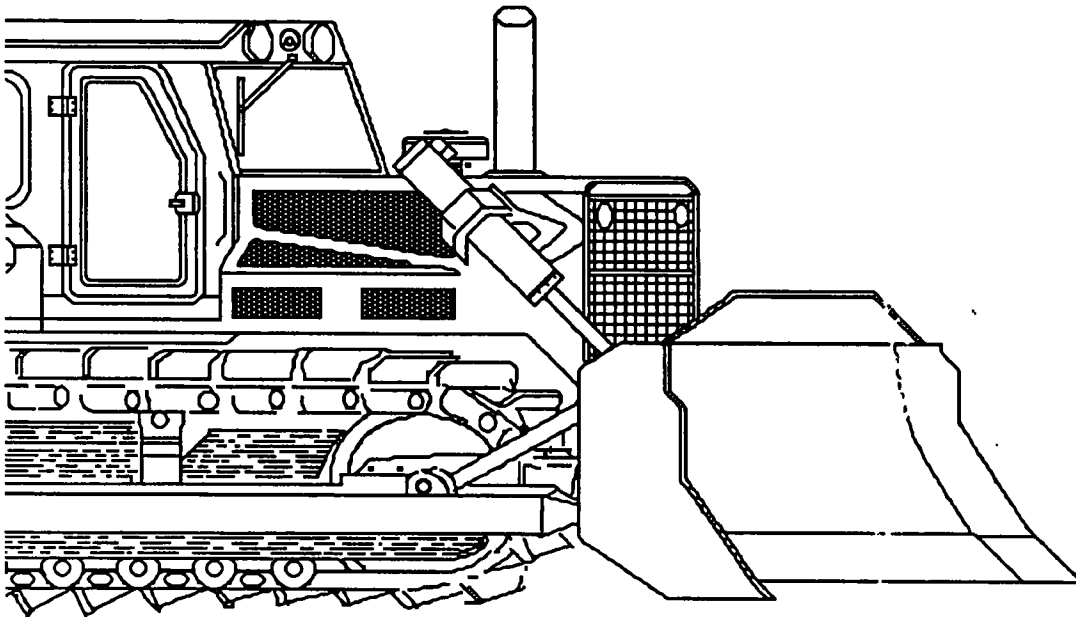




21-C

Crawler Tractor

PARTS CATALOG



FORM 73126645 ENGLISH
Reprint 5/89

AVOID ACCIDENTS

Most accidents, whether they occur in industry, on the farm, at home or on the highway, are caused by the failure of some individual to follow simple and fundamental safety rules or precautions. For this reason **MOST ACCIDENTS CAN BE PREVENTED** by recognizing the real cause and doing something about it before the accident occurs.

Regardless of the care used in the design and construction of any type of equipment there are conditions that cannot be completely safeguarded against without interfering with reasonable accessibility and efficient operation.

A careful operator is the best insurance against an accident.
The complete observance of one simple rule would prevent many
thousand serious injuries each year.
That rule is:

Never attempt to clean, oil or adjust a machine while it is in motion.

WARNING

On machines having hydraulically, mechanically, and/or cable controlled equipment (such as shovels, loaders, dozers, scrapers, etc.) be certain the equipment is lowered to the ground before servicing, adjusting and/or repairing. If it is necessary to have the hydraulically, mechanically, and/or cable controlled equipment partially or fully raised to gain access to certain items, be sure the equipment is suitably supported by means other than the hydraulic lift cylinders, cable and/or mechanical devices used for controlling the equipment.

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

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in whole or in part, is strictly prohibited.

IMPORTANT

All parts listed herein, which have no specific usage indicated, are applicable to all models. Those parts which are used only on specific models are so indicated.

Attaching parts such as bolts, nuts, rivets, screws, washers, etc., are indented immediately following the parts which they attach.

Parts indicated with a square (□) are also available in packaged sets. Refer to section titled "PACKAGED PARTS".

The terms "right" and "left" used throughout this parts catalog are determined by facing the direction of forward travel.

INSTRUCTIONS FOR ORDERING PARTS

At the time this parts catalog was published the listed part numbers were current. It is our policy to constantly improve our machines and therefore, part numbers and design may change. When ordering parts, verify part numbers through your dealer's microfiche which is up to date with all latest part numbers.

Order parts from the dealer covering the local territory.

ALWAYS GIVE THE MODEL AND SERIAL NUMBER OF MACHINE. IF PARTS ARE FOR AN ASSEMBLY WHICH HAS A MODEL AND OR SERIAL NUMBER (SUCH AS ENGINE ASSEMBLY, PUMP ASSEMBLY), ALSO INCLUDE THIS INFORMATION.

To obtain parts promptly, give part name and part number.

Give post office address, town, county and state where parts are to be shipped. Also specify whether material is to be shipped by freight, express or parcel post.

Confirm all telephone or telegraph orders in writing.

Parts for standard motor accessories such as generators and starting motors should be ordered from authorized Service Stations maintained by manufacturers of these units throughout the country.

No credit will be allowed on parts unless they are returned to the dealer from whom they were purchased; from there they will be returned, at the customer's expense, to the factory for inspection.

Unless claims for shortages or errors are made immediately upon receipt of goods, they will not be considered.

When broken goods are received, a full description of the damage should be made by the carrier agent on the freight bill. If this description is insisted upon, full damage can always be collected from the transportation company.

No responsibility is assumed for delay or damage to merchandise while in transit. Our responsibility ceases upon delivery of shipment to the transportation company from whom a receipt is received showing that shipment was in good condition when delivered to them; therefore, claims (if any) should be filed with the transportation company.

The right is reserved to change the construction or material of any parts where it seems desirable to do so without incurring the obligation of installing such changes on units already delivered.

(Specifications and design subject to change without notice)

21-C

crawler tractor

(Includes Dozers, 21R Ripper
and Hydraulic Systems)

parts catalog

S/N 71A21001-UP

Form 73126645 English
(Replaces 70695061)



WARNING

STUDY THE OPERATION AND MAINTENANCE
INSTRUCTION MANUAL THROUGH BEFORE STARTING.
OPERATING, MAINTAINING, FUELING OR SERVICING THIS
MACHINE.

MODEL IDENTIFICATION

MODEL	ENGINE MODEL	DESCRIPTION
21-C	21000-MK II	Diesel engine driven crawler tractor
21-C	(S/N 21- 6138-T MK II (S/N 14-_____)	Diesel engine driven crawler tractor
21 HSU		Hydraulically-operated; semi-U-type moldboard
21 HSU (Rock)		Hydraulically-operated; semi-U-type moldboard (Extreme service)
21 HU		Hydraulically-operated; full-U-type moldboard
21 HA		Hydraulically-operated; angling moldboard
21 R		Hydraulically-operated Ripper

*Cat #
4395778*

71A21812 + UP

RECORD YOUR SERIAL NUMBERS BELOW

MODEL SERIAL NUMBER _____ ENGINE SERIAL NUMBER _____

SERIAL NUMBER LOCATIONS

TRACTOR SERIAL NO. On steering clutch housing vertically on right hand side of the rear edge. Also on small plate attached to side of transmission control tower.

ENGINE SERIAL NO. On plate attached to the left hand side of cylinder block near the rear end. Also on small plate attached to side of transmission control tower. Effective approximately January 1979, the engine serial numbering system was changed. The old series of number began with the prefix #21- with the serial number. The new series of numbers begin with the prefix #14-.

Throughout this book, one must keep in mind that the #14- series numbers follow the #21-series numbers.

The first serial number in the new series begins with #14-01260.

MODEL SERIAL NUMBER

Models are identified by an 8-character combination of letters and numerals.

***SERIAL NUMBERS**, consisting of all 8 characters, must always be submitted for positive identification of your machine.
This Point Cannot Be Over-emphasized.

TRACTOR MODEL	*SERIAL NO.	
	PRODUCT CODE	UNIT NO.
21-C	71A	21001

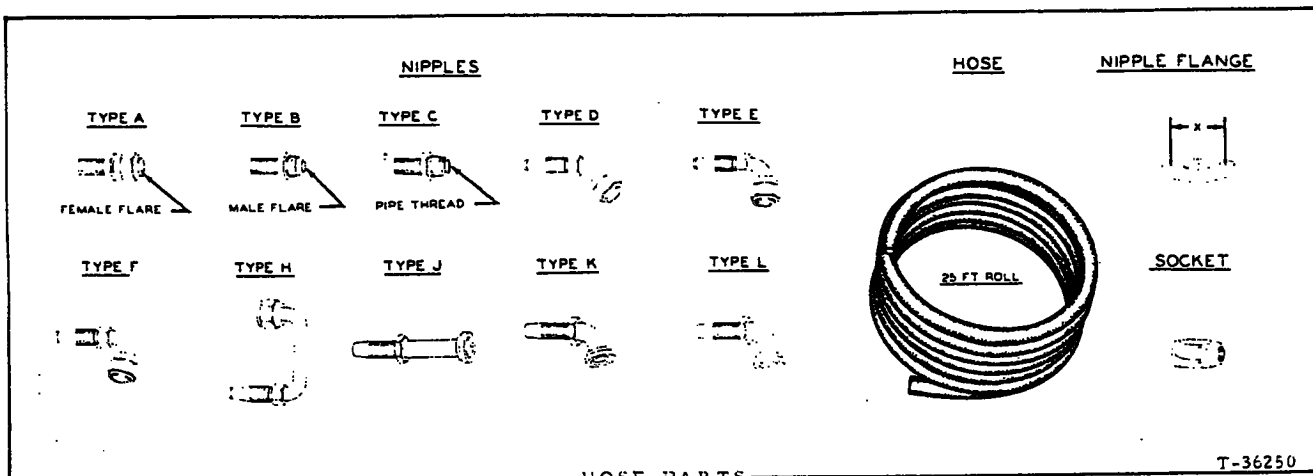
(Revised February 1980)

ALPHABETICAL INDEX

Accessory Drive.....	27	Filters(Continued)	
Air Cleaner.....	66	Steering Oil.....	159,160
Air Restriction Indicator.....	65	Transmission Oil.....	116
Alternator.....	215	Water Separator(Fuel).....	41
Aspirator.....	69	"FILTER CARE" KIT.....	9C,D
Batteries and Cables.....	213	Final Drive	
Battery and Tool Boxes.....	193	Housing.....	139
Battery Box Lock.....	193	Intermediate Gears.....	143
Belt, Drive.....	75,84	Outboard Bearing and Seal.....	146
Belt, Seat.....	189A,189E,191A,191C	Pinion Shaft.....	142
Bevel Gear and Shaft.....	141	Sprocket, Shaft and Gear.....	144
Bottom Guards.....	173	Lubricating System.....	148
Brake Control.....	165	Floor.....	187
Brake Drum.....	142	Flywheel and Housing.....	20,21
Brake Lock Valve and Lines.....	171A	Front Fenders.....	194
Brake Regulator Valve and Lines.....	170	Fuel Filter.....	42,43A
Brakes.....	167	Fuel Injection Pump.....	49,49A
Cab Section.....	268 thru 297	Fuel Lines.....	44
Cab and Canopy Mounting Brackets.....	222	Fuel Tank.....	47
Camshaft.....	24	Gauges	
C-Frame.....	70	Air Restriction Indicator.....	65
Connecting Rod.....	17,17A	Bevel Gear Comp. Oil Level.....	139
Control Valves.....	259,259A	Engine Oil Level.....	13
Coolant Filter.....	78	Engine Oil Pressure.....	208
Counter Weight.....	223	Engine Temperature.....	207
Cowl.....	205	Fuel Level.....	47
Crankshaft.....	14	Hour Meter.....	207
Crankshaft Pulley and Damper.....	16,16A	Transmission Hydraulic Pressure.....	210
Cylinder Block.....	12	Transmission Lube Oil Pressure.....	209
Cylinder Head.....	19	Transmission Oil Level.....	116
Cylinders		Voltmeter.....	207
Dozer.....	226	Heat Exchangers.....	72
Ripper.....	105	Hood.....	196
Tilt.....	237	Hood Side Plates.....	197
Cylinder Piping(Dozer).....	242,243A	Horn.....	211
Cylinder Piping(Ripper).....	251B	Hose Parts.....	6
Cylinder Sleeve.....	12	Hour Meter.....	207
Drawbar.....	185,186	Hydraulic Power Assist Pump and Piping....	246
Elements		Hydraulic Tank.....	257
Air Cleaner.....	66	Hydraulic Tilt.....	238
Coolant Filter.....	78	Hydraulic Tilt Piping.....	240
Engine Oil Filter.....	35,39	Injection Nozzles and Lines.....	51,52A
Final Drive Lube System.....	148	Injection Pump.....	49,49A
Fuel Filter.....	42	Instruments.....	206
Hydraulic Oil Filter.....	257	Intake Manifold.....	58
Main Housing Breather.....	139	Lights	
Steering Oil Filter.....	159,160	Cab Front.....	203A,203B
Transmission Breather.....	116	Dash.....	206
Transmission Oil Filter.....	121	Head.....	204
Engine Breather.....	22	Rear Flood.....	202
Engine Clutch Scavenging System.....	97	Lights and Wiring.....	201
Engine and Mounting.....	10	Main Frame.....	173A
Engine Primer.....	68	Main Housing.....	139
Engine Shut-off Control.....	57	Manifolds	
Equalizing Beam.....	184	Exhaust.....	59
Exhaust Manifold.....	59	Intake.....	58
Exhaust Pipe.....	67	Water Inlet.....	72
Fan.....	84	Water Outlet.....	70
Fan Drive.....	83	Moldboards	
Fan Guard.....	86	Angling.....	230
Filters		Semi-U.....	228
Coolant.....	78	U-type.....	229
Engine Oil.....	35,39	Moldboard Braces.....	232
Fuel.....	42,43A	Moldboard Struts.....	234

ALPHABETICAL INDEX

Mounting Frame(Ripper).....	250	Timing Gear Housing.....	11,11A
Muffler.....	67	Timing Gears.....	14,27
Numerical Index.....	I thru XVII	Tool Bar and Linkage.....	251
Oil Cooler.....	71	Tool Box.....	193
Oil Filter(Engine).....	38,39	Tools.....	226
Oil Filter Lines.....	36	Torque Converter.....	87
Oil Pan.....	29	Track.....	182
Oil Pump Lines(Dozer).....	246	Track Carrier Roller.....	177
Oil Pump Lines(Engine).....	30	Track Frame.....	174
Packages Parts.....	7	Track Idler.....	178
Painting and Marking.....	198	Track Release.....	180
Piston and Connecting Rod.....	17,17A	Track Roller.....	176
Power Assist Assembly.....	259C	Track Roller Guards.....	175
Power Assist Valve Assembly Kit.....	259B	Transmission	
Primer.....	68	Assembly.....	100
Pumps		Bevel Pinion Shaft.....	104
Dozer Oil.....	248,248A	Case and Covers.....	102
Engine Oil.....	32,33	Clutch Shafts.....	107,108,109
Fuel Injection.....	49,49A	Counter Shaft.....	106
Power Assist.....	248C	Transmission Control Linkage.....	127
Shift Inhibiting.....	135	Transmission Control Piping.....	125
Steering.....	158,158A	Transmission Oil Filler and Breather.....	116
Transmission.....	120,120A	Transmission Oil Pump and Filter.....	118
Water.....	75	Transmission Test Panel and Lines.....	123
Final Drive Lubricating.....	149	Travel Control Valves and Lines.....	130
Push Beams.....	232	Turbocharger.....	62
Quick Fueling.....	217,218	Universal Joint.....	98
Radiator Guard.....	173A	Valve Operating Mechanism.....	24
Radiator and Mounting.....	80,82	Valve Controls.....	267,267B
Rear Fenders.....	195	Valves	
Rear Flood Light.....	202	Brake.....	168
Reverse Alarm.....	201B	Brake Regulator.....	172
Ripper Controls.....	249,249A	Dozer Control.....	260,261A
Ripper Piping.....	251B,252,253A	Dozer Tilt Control.....	262,263A
Roll Over Protection Frame.....	220	Engine Clutch Check.....	91
Seat.....	22,24,26	Engine Clutch Control.....	95
Shift Inhibiting Pump Lines.....	119	Exhaust.....	19
Starter.....	216	Fuel Injection Pressure Relief.....	52
Steering Clutch & Final Drive Housing.....	139	Intake.....	19
Steering Clutches.....	154	Power Assist Assembly.....	259C
Steering Control Hydraulics.....	154	Power Assist Valve Assembly Kit.....	259B
Steering Control Valve and Lines.....	162	Pressure Oil Pump Relief.....	30
Steering Levers and Linkage.....	161	Relief(Hydraulic Control).....	264,265A
Steering Pump and Filters.....	156,157A,158A	Ripper Control.....	262,263A
Switch		Shift Inhibiting.....	132
Light.....	201	Shift Inhibiting Pressure Regulating....	137
Master.....	213	Speed Control.....	129
Safety.....	128	Torque Converter Pressure Regulating.....	96
Starter.....	201	Track Release Check.....	180
Thermostat.....	70	Vandalism Prevention Parts.....	225
Throttle Control.....	54	Water Inlet Manifold & Heat Exchangers.....	72
		Water Outlet Manifold.....	70
		Water Pump.....	75



HOSE PARTS

T-36250

NOTE: Refer to right hand column for identity of interchangeable crimped-type hose (fittings not re-usable). Assembly number shown in left hand column indicates available replacement hose assembly with re-usable components; where no assembly number is listed, hose assembly is not available from factory but may be constructed in the field from data indicated.

HOSE ASSEMBLY NO. (See NOTE)	BULK HOSE (25' roll)	HOSE LENGTH (inches)	NIPPLE (#1 end)			NIPPLE (#2 end)			SOCKET (both ends)	NIPPLE FLANGE		CRIMPED-TYPE HOSE (See NOTE) Part No.
			Including SOCKET	NIPPLE only	Type	Including SOCKET	NIPPLE only	Type		Part No.	X Dim	
70930444	14-3/8	70920850	70920303	A	70920880	70919254	D	70919076				70645074
70919218	12	70920850	70920303	A	70920865	70914081	E	70919076				70645236
70919156	14-5/8	70920858	70919080	B	70920850	70920303	A	70919076				70646353
70930445	10-5/8	70920867	70919277	E	70920852	70920344	A	70919281				70646915
70930444	31-13/16	70920850	70920303	A	70920850	70920303	A	70919076				70656849
70919196	25-3/4	70920862	70919194	E short	70920847	70920301	A	70919143				70658637
70931158	41-15/16		70923253	L		70922894	L	70920975				70665638
70919196	13-1/8	70920862	70919194	E short	70920847	70920301	A	70919143				70666557
70920795	34	70921866	70923254	J	70924408	70923259	K	70920973				70669727
70920795	36	70921866	70923254	J	70924408	70923250	K	70920973				70670357
70926244	18-3/4		70926246	A		70926246	A					70680746
70930446	29-13/16	70921033	70921034	A		70922505	L	70919282				70683591
70930446	35-5/8	70921033	70921034	A		70925240	K	70919282				70683592
70931159	46-1/2	70923486	70929879	J	70921866	70923254	J	70920973				70689305
70931158	27-3/8	70920957	70928835	E long		70923253	J	70920975				70689801
70931158	30-1/8	70920952	70923186	E short		70923253	J	70920975				70689802
70931158	26-1/2		70923253	J		70921513	L	70920975				70689803
70931158	30-1/4		70923253	J		70921513	L	70920975				70689804
70930445	32-3/16	70920852	70920344	A	70920852	70920344	A	70919281				70690849
70930445	25-7/8	70920852	70920344	A	70920862	70919278	D	70919281				70690850
70930445	11-7/16	70920867	70919277	E	70920852	70920344	A	70919281				70690851
70930445	9-7/16	70920852	70920344	A	70920874	70921042	E long	70919281				70690852
70919155	7-3/16	70920864	70919082	E	70920849	70920302	A	70919075				70690915

* Not available in 25 ft. length, bulk only. Specify length required.

HOSE ASSEMBLY NO. (See NOTE)	BULK HOSE (25' roll)	HOSE LENGTH (inches)	NIPPLE (#1 end)			NIPPLE (#2 end)			SOCKET (both ends)	NIPPLE FLANGE		CRIMPED- TYPE HOSE (See NOTE)
			Including SOCKET	NIPPLE only	Type	Including SOCKET	NIPPLE only	Type		Part No.	X Dim	
	70919155	16-1/16	70920857	70919079	B	70920864	70919082	E	70919075			70690924
	70919156	18-5/8	70920880	70919254	D	70920880	70919254	D	70919076			70690995
	70919156	12-9/16	70920880	70919254	D	70920865	70919081	E	70919076			70690998
	70919156	12-3/4		70919175	F	70920858	70919080	B	70919076			70691007
	70930443	12-1/2	70920849	70920302	A	70920877	70919207	D	70919143			70691009
	70930445	19-11/16	70920852	70920344	A	70920874	70921042	E long	70919281			70691025
	70919217	22-5/8	70920864	70919082	E	70920849	70920302	A	70919075			70691572
	70919196	69-5/8	70920847	70920301	A	70920877	70919207	D	70919143			70692925
	70920794	117-3/4	70920944	70920978	A	70920952	70923186	E	70920972			70693996
	70920794	45	70920933	70922834	B	70924177	70921513	L	70920972			70693997
	70920794	35-3/4	70920933	70922834	B		70930797	K	70920972			70693998
	70919196	30	70920862	70919194	E	70920862	70919194	E	70919143			70694872
	70919196	11-3/4	70920862	70919194	E	70920847	70920301	A	70919143			70694873
	70919156	35-1/2	70920858	70919080	B	70920850	70920303	A	70919076			70696014
	70919196	52	70920862	70919194	E	70920869	70919253	E long	70919143			70697716
	70919217	18-1/4	70920864	70919082	E	70920849	70920302	A	70919075			70697791
	70919196	26	70920877	70919207	D	70920877	70919207	D	70919143			70699862
	70919196	68	70920877	70919207	D	70920862	70919194	E	70919143			70699863
	70919196	53	70920862	70919194	E	70920862	70919194	E	70919143			70699864
	70919196	53	70920862	70919194	E	70920862	70919194	E	70919143			70699865
	70919196	51-1/2	70920862	70919194	E	70920847	70920301	A	70919143			70699866
	70919196	40	70920862	70919194	E	70920847	70920301	A	70919143			70699867
	70919196	44-3/4	70920862	70919194	E	70920847	70920301	A	70919143			70699868
	70919196	60	70920862	70919194	E	70920847	70920301	A	70919143			70699869
	70919196	47	70920862	70919194	E	70920847	70920301	A	70919143			70699870
73111899	70920221	16	70920852	70920344	A		70931124	K	70919281			
	70919156	32-3/4	70920858	70919080	B	70920838	70919074	C	70919076			73109031
	70930444	42-3/4	70920850	70920303	A	70920850	70920303	A	70919076			73110376
	70930444	25-3/4	70920850	70920303	A	70920880	70919254	D	70919076			73113003
	70930445	41-1/4	70920852	70920344	A	70920874	70921042	E	70919281			73113289
	70930444	15-1/2	70920850	70920303	A	70920880	70919254	D	70919076			73113307
	70930445	19-1/4	70920867	70919277	E		70922765	L	70919281			73113290
	70930444	19-1/2	70920850	70920303	A	70920865	70919081	E	70919076			73113265
	70931158	42-1/4	70924177	70921513	L	70923506	70922894	L	70920972			73111427
	70919155	25-1/2	70920857	70919079	B	70920879	70919159	D	70919075			73117378
	70919156	21-3/4	70920858	70919080	B	70920838	70919074	C	70919076			73117379
	70919156	16-1/4	70920858	70919080	B		70919175	F	70919076			73121589
	70920222	21-1/2	70921033	70921034	A	70920868	70920144	E	70919282			73117187
	70930645	16-1/4	70920852	70920344	A	70920852	70920344	A	70919281			73117186
	70930445	18-1/2	70920852	70920344	A	70920867	70919277	E	70919281			73117188
	70930444	17-1/2	70920850	70920303	A	70920880	70919254	D	70919076			73115490
	70931158	117-7/8		70920978	A		70921564	D	70920975			73119001

* Not available in 25 ft. length. bulk only. Specify length required.

(Revised February 1980)

PACKAGE NO.	PACKAGED PARTS	DESCRIPTION
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74396408

GASKET KIT, cylinder head

1	70928905	O-RING, water outlet manifold (Discard)
2	74025781	GASKET, turbocharger mounting (Discard)
1	74029746	GASKET, front cross over (Discard)
8	74254873	WASHER, rocker cover capscrew
8	74255956	SLEEVE, fuel line (rubber)
1	74339532	GASKET, turbocharger oil drain (Discard)
1	74361551	GASKET, air intake elbow
1	74376520	GASKET, thermostat housing cover
6	74378031	GASKET, nozzle
1	74386137	GASKET, thermostat by-pass tube
12	74387697	GASKET, intake and exhaust manifold
2	74389961	GASKET, cylinder head cover (upper)
1	74391707	GASKET, air inlet
2	74393989	GASKET, cylinder head cover (lower)
1	74395425	GASKET, manifold connecting
2	74396409	GASKET ASSY., cylinder head (Includes instruction sheet)
6	74395709	GASKET, water outlet manifold (Discard)
1	74395713	GASKET, cover (Discard)

74396006

GASKET KIT, intermediate, engine cylinder block (Does not include cylinder head or oil pan gaskets)

2	70667252	GASKET, drain plug
8	70923379	O-RING, water tube
1	70923575	O-RING, idler pin
3	70923590	O-RING, cover plate (Discard)
8	70923645	O-RING, injection pump line
2	70923651	O-RING, bonnet tube
2	70923810	O-RING, dowel
1	70923813	O-RING, idler gear pin
5	70923934	O-RING
1	70923935	O-RING, water pump flange
1	70923936	O-RING, cam (Discard)
1	70923950	O-RING, idler support mounting
12	70925612	O-RING, water inlet manifold
1	70924142	O-RING, pump adapter (Discard)
2	74113897	GASKET, cap nut (Discard)
4	74119937	GASKET, plugging capscrew
5	74255511	O-RING, heat exchanger/oil filter (Discard)
2	74255513	O-RING, oil filter (Discard)
14	74255631	O-RING, oil cooler
4	74255665	O-RING, fuel pump bracket
2	74255781	O-RING, heat exchanger elbow
1	74255898	O-RING
1	74255904	O-RING
1	74255912	O-RING, flywheel
1	74310257	GASKET, oil filler pipe
1	74336897	O-RING, flywheel housing
1	74361740	GASKET, idler support
1	74367090	GASKET, tachometer hole nut

(Continued)

(Revised July 1980)

PACKAGED PARTS

PACKAGE NO.

DESCRIPTION

74396006 (Cont'd)	GASKET KIT, intermediate, engine cylinder block (Does not include cylinder head or oil pan gaskets)	
1	74371027	GASKET, gear housing hole cover
2	74371160	GASKET, heat exchanger
1	74371289	GASKET, oil pan cover (Discard)
3	74371345	GASKET, oil tube (Discard)
1	74371742	GASKET, cover
1	74376398	GASKET, water pump
1	74376603	GASKET, accessory drive
1	74376609	GASKET, gear housing cover
7	74376749	WASHER, push rod cover capscrow
2	74377120	GASKET, push rod cover
2	74378112	GASKET, lower by-pass flange
1	74379070	SEAL, oil pan (Discard)
1	74385317	GASKET, water manifold (Discard)
1	74385320	GASKET, bonnet (Discard)
1	74386223	GASKET, bonnet
1	74386495	GASKET, water and oil manifold, lower
1	74386856	GASKET, heat exchanger (Discard)
1	74387525	GASKET, cover (Discard)
1	74389291	GASKET, water and oil manifold, upper (Discard)
1	74389635	GASKET
1	74389676	GASKET, heat exchanger
1	74389678	GASKET, heat exchanger
3	74389782	GASKET, oil tube (Discard)
1	74390432	GASKET, housing cover
4	74393359	GASKET, oil lines
1	74394673	GASKET, timing hole cover (Discard)
1	74396000	GASKET, timing gear housing cover (Discard)
1	74394678	GASKET, timing gear housing (Discard)
1	74660423	GASKET, oil line (Discard)
1	74660492	GASKET, gear housing

PACKAGE NO.

70696698

order multiple
replacement

1-73122232

1-70627346

2-923561

2-73037684

2-73037676

PACKAGED PARTS

DESCRIPTION

GASKET KIT, transmission

1	70627346	GASKET
1	70648619	SEAL
1	70652389	GASKET
1	70653798	GASKET
1	70654104	GASKET
1	70657582	SEAL
1	70662633	GASKET
2	70667252	GASKET
1	70667563	GASKET
1	70670673	MINOR KIT
1	70691449	GASKET
1	70921235	O-RING
2	70923561	O-RING
1	70923578	O-RING
1	70923587	O-RING
2	70923664	O-RING
1	70923819	O-RING
1	70923821	O-RING
1	70923823	O-RING
1	70923828	O-RING
1	70923834	O-RING
2	70923947	O-RING
1	70925241	O-RING
1	70925652	O-RING
4	70929881	O-RING
2	70931695	O-RING
3	73037676	O-RING
3	73037684	SEAL
5	73107685	O-RING
1	73118975	SEAL

70696699

GASKET KIT, torque converter

1	70640636	GASKET
1	73126342	SEAL
1	70657980	GASKET
1	70657982	GASKET
1	70657983	GASKET
1	70658008	GASKET
1	70658009	GASKET
1	70658010	GASKET
1	70658026	GASKET
1	73126336	SEAL
1	70658931	GASKET
1	70666039	GASKET
3	70921885	O-RING
2	70923561	O-RING
1	70935011	O-RING
4	70923664	O-RING
1	70926288	O-RING
1	70924828	O-RING

(Revised July 1980)

PACKAGED PARTS

PACKAGE NO.	DESCRIPTION	
73056485	REPAIR KIT, dozer cylinder (See page 244)	
73056486	REPAIR KIT, ripper cylinder (See page 255)	
73056933	REPAIR KIT, tilt cylinder (See page 237)	
73112623	TRANSMISSION FRONT ROLLER BEARING KIT (For updating transmission front bearing from ball-type to roller type on tractors prior to serial No. 71A21388 excluding unit Nos. listed on page 101)	
	1	70023633 LOCKWIRE
	2	70035689 CAPSCREW
	1	70921402 ELBOW
	2	70921409 CONNECTOR
	1	70921573 PLUG
	2	70922457 CONNECTOR
	1	70923905 ELBOW
	2	70928460 WASHER
	4	70929881 O-RING
	2	73108564 CONNECTOR
	1	73112617 RING, snap
	8	73112618 SHIM
	8	73112619 SHIM
	4	73112620 BEARING
	8	73112621 SHIM
	8	73112622 SHIM
	1	73112624 RETAINER
	1	73112625 WASHER
	1	73112626 COLLECTOR
	3	73112630 SPACER
74396647	PISTON AND SLEEVE KIT (See pages 13, 17 and 17A)	
	1	74061528 SLEEVE
	1	74396638 PISTON ASSY.
	} Replace in sets on all 21000 MKII engines, also all 6138 engs. prior to S/N14-02471	
73119476	LOOSE PARTS KIT (Used to adapt Model 6138-T engine to units prior to unit #21812)	
	2	70933330 CAPSCREW
	1	70158613 LOCKWIRE
	1	70080809 HANGER
	1	73117381 CABLE ASSY.
	2	70929059 CAPSCREW
	3	70677008 WASHER
	1	73117283 BRACKET
	1	73117380 ROD
	3	70628738 PIN
	1	73116481 ROD
	1	73117280 YOKE
	1	70910244 WASHER
	1	70900806 PIN
	3	70900970 PIN
	2	70900801 PIN
	2	70078810 PIN
	1	73117378 HOSE
	1	73117379 HOSE

(Continued)

PACKAGED PARTS

PACKAGE NO.

DESCRIPTION

73119476

(Continued)

LOOSE PARTS KIT (Used to adapt Model 6138-T engine to units prior to unit #21812)

1	70927455	CONNECTOR
1	70092727	SHUT-OFF COCK
1	70901490	NIPPLE
1	70901678	ELBOW
1	70931922	UNION
1	70933471	CONNECTOR
1	70927104	CLAMP
2	70920582	CAPSCREW
2	70928460	WASHER
1	70911028	NUT
1	73117197	ELBOW
1	73117185	HOSE
1	70933796	ELBOW
2	70923016	CAPSCREW
2	70930370	WASHER
1	73117198	PUMP ASSY.
1	73117190	TUB
1	73117193	STRAP
1	70930725	O-RING
2	70917388	SCREW
2	70911982	WASHER
2	70926673	NUT
1	70662427	CLAMP ASSY.
1	70654655	CLIP
1	70920582	CAPSCREW
3	70928460	WASHER
1	70911028	NUT
1	70921076	CAPSCREW
1	70911034	NUT
1	70910267	NUT
2	70652011	GASKET
1	70933476	O-RING
1	70674412	GASKET
1	73117186	HOSE
1	73117188	HOSE
1	73117191	TUBE
1	73117192	TUBE
2	70933473	ELBOW
1	73117195	ELBOW
3	70925922	O-RING
1	70925832	CONNECTOR
1	70933715	ELBOW
2	73117187	HOSE
4	70921913	CLAMP
1	70933500	CONNECTOR
2	70930724	O-RING
1	70922300	CAPSCREW
2	70929156	WASHER
1	70911026	NUT
1	73121590	TUBE
1	73121589	HOSE
1	70933476	O-RING

"FILTER CARE" KIT

MODEL: 21C

250 HOUR KIT

PART NUMBER: 75124710

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1	70921349	O'RING OIL PAN DRAIN
1	70667252	GASKET OIL PAN DRAIN
1	70923663	O'RING OIL PAN DRAIN
1	74059343	LUBE OIL FILTER
2	74395889	LUBE OIL FILTER

500 HOUR KIT

PART NUMBER: 75124711

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1	70921349	O'RING OIL PAN DRAIN
1	70667252	GASKET
1	70923663	O'RING OIL PAN DRAIN
1	74059343	LUBE OIL FILTER BYPASS
2	74395889	LUBE OIL FILTER
1	70663977	GASKET
1	70923950	O'RING HYDRAULIC TANK CAP
1	70923579	O'RING
1	70923594	O'RING HYDRAULIC STRAINER
1	70923951	O'RING
1	70923581	O'RING
1	70924146	O'RING
1	70666423	CONNECTOR
1	75120378	INSTRUCTION SHEET
1	70669434	ELEMENT KIT TRANSMISSION
1	74394407	SEPERATOR FUEL
1	74393504	FILTER ASSEMBLY COOLANT
2	70666421	ELEMENT HYDRAULIC
2	74394335	FILTER ASSEMBLY FUEL

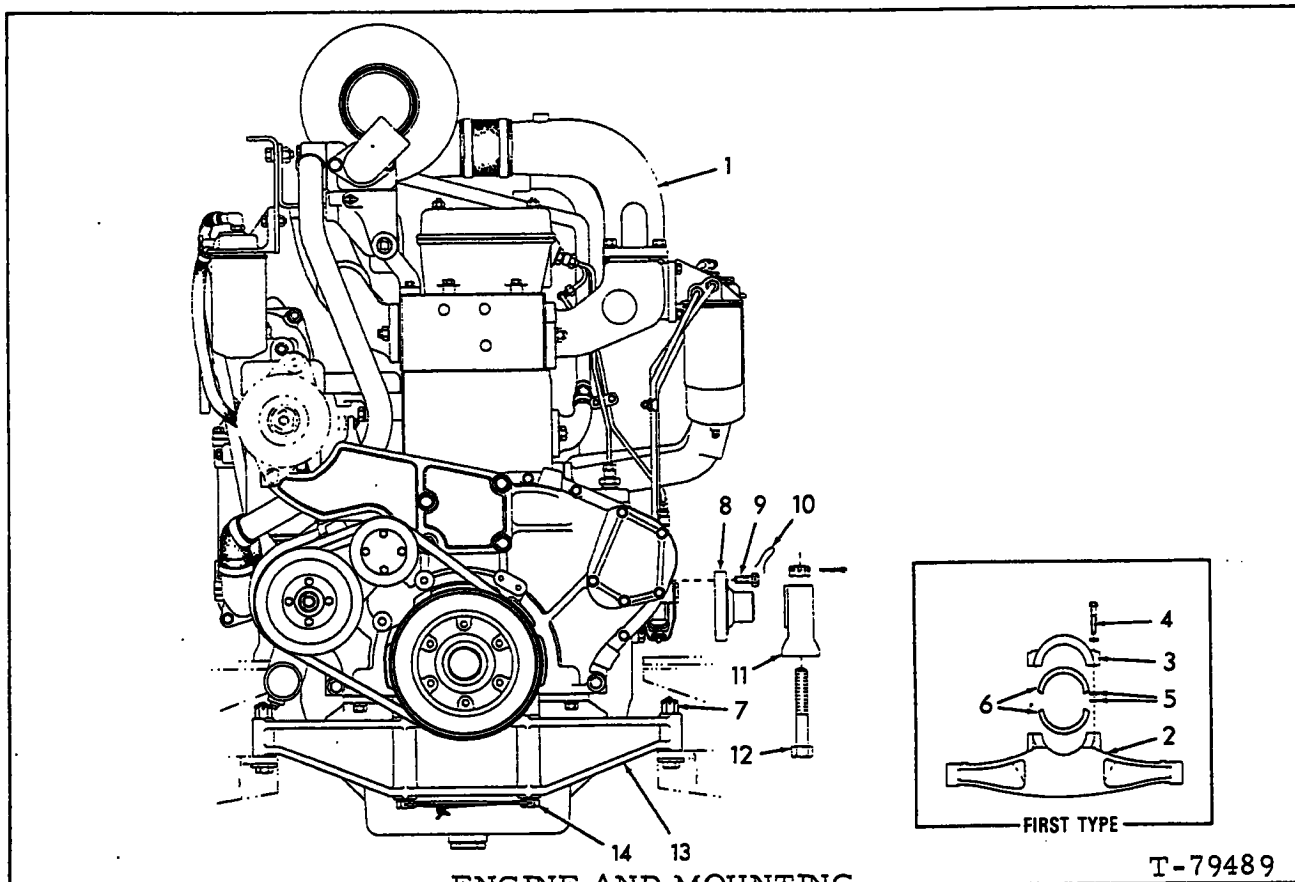
"FILTER CARE" KIT
MODEL: 21C

1000 HOUR KIT

PART NUMBER: 75124712

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1	74059343	LUBE OIL FILTER
2	74395889	LUBE OIL FILTER
1	70923950	O'RING HYDRAULIC STRAINER
1	70923594	O'RING HYDRAULIC STRAINER
1	70923581	O'RING HYDRAULIC STRAINER
1	70669434	ELEMENT KIT TRANSMISSION
1	74394407	SEPERATOR FUEL
1	74393504	FILTER ASSEMBLY
2	74394335	FILTER ASSEMBLY FUEL
1	70671838	FILTER PRIMARY AIR
1	70671839	FILTER SAFETY AIR
1	70664000	FILTER KIT HYDRAULIC
1	73128973	FILTER STEERING
1	70652389	GASKET TRANSMISSION STRAINER
2	70694662	FILTER KIT FINAL DRIVE
1	70923884	FILTER STEERING STRAINER
1	70667252	FILTER TRANSMISSION DRAIN

NOTE: Clean and Reuse;
Filter - 70651532
Transmission filter - 70653873 and
73109807.



ENGINE AND MOUNTING

T-79489

* Tractors prior to serial No. 71A21812 excluding #21757, 21761 and 21767

** Tractors serial No 71A21812 and up including #21757, 21761 and 21767

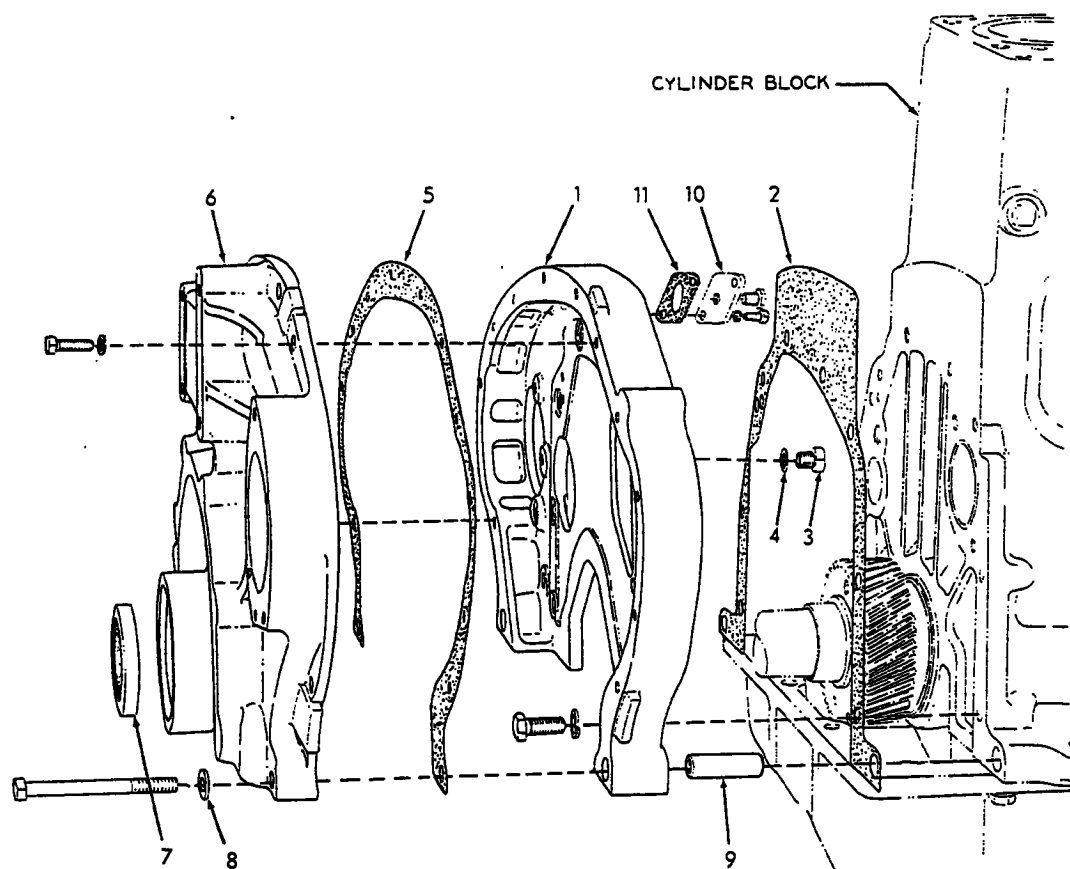
ITEM PART NO. QTY. DESCRIPTION

1 74394588 1 - ENGINE ASSY. (21000 MKII)
73117230 - 1 ENGINE ASSY. (6138-T)

NOTE: Each engine assy. includes oil filters, oil cooler, fuel filter and turbocharger, but does not include air cleaner, fan, alternator, starter, muffler or crankcase lubricant.

2 70655452 1 - HANGER (Includes item 3)
3 ----- 1 - CAP (Not serviced separately)
4 70669299 2 - SCREW, Nylok, flanged, hex-hd., 1/2"NC x 3"
74372864 2 - WASHER
5 70916009 14 - WASHER, shimming (1/32"thk. Use as required)
6 74336491 2 - LINER
7 70670451 2 2 CAPSCREW, drilled-end, 5/8"NF x 4-1/4"
70926193 2 2 WASHER
70913280 2 2 NUT, high, slotted, 5/8"
70900806 2 2 PIN, cotter, 1/8" x 1"
8 70682555 2 2 TRUNNION
9 70929086 8 8 CAPSCREW, drilled-hd., 5/8"NC x 1-1/4"
10 70023633 4 4 WIRE, locking, 1/16" x 12"
11 70682549 2 2 BRACKET
12 70682224 4 4 CAPSCREW, drilled-end, 3/4"NF x 6-3/4"
70677012 4 4 WASHER
70673037 4 4 NUT, slotted, 3/4"NF
70900808 4 4 PIN, cotter, 1/8" x 1-1/2"
13 70080809 - 1 HANGER
14 70933330 - 2 CAPSCREW, drilled head, 5/8"NC x 5"
70158613 - 1 LOCKWIRE

79015769
See NOTE below
685-918

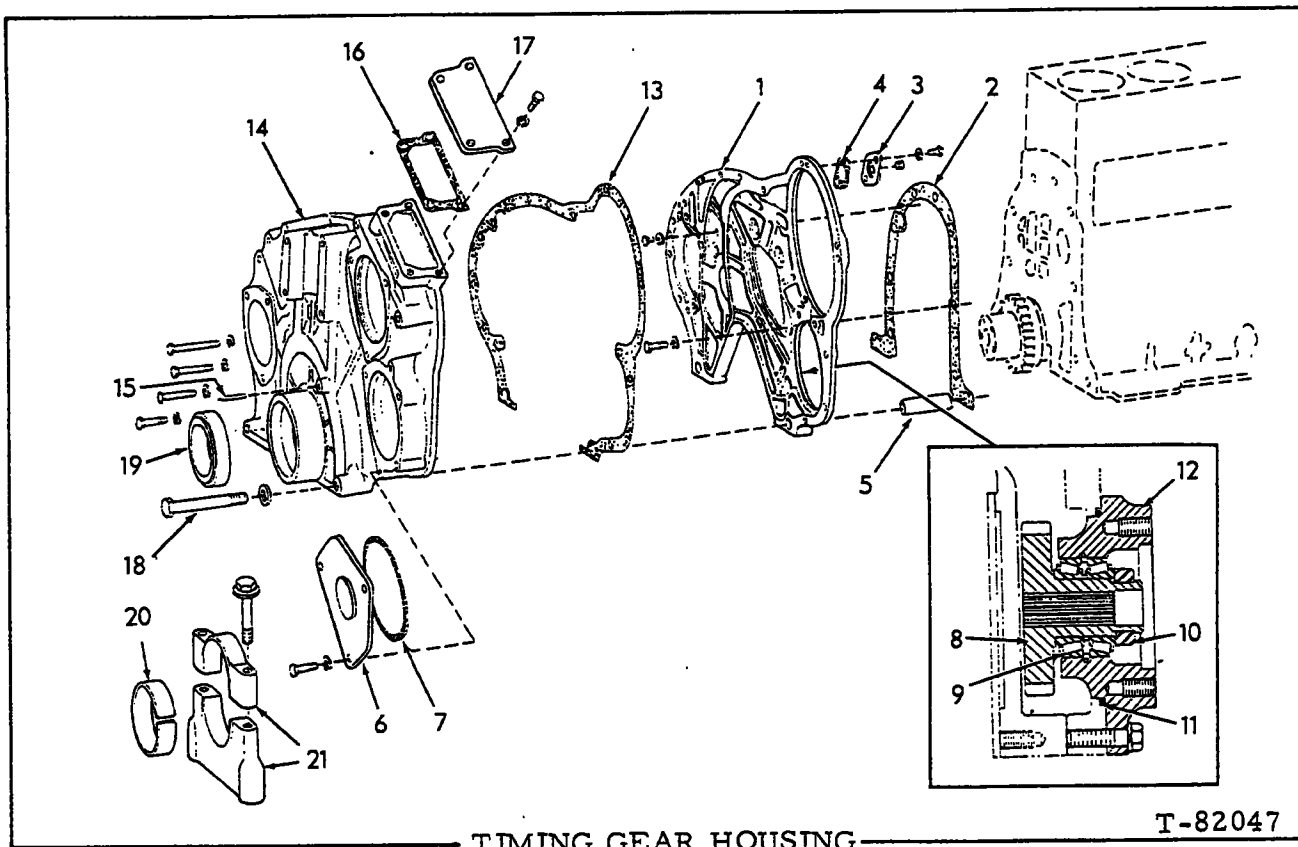


T-13103

TIMING GEAR HOUSING

USAGE: Engines prior to S/N 14-01260.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74393560	1	HOUSING
	70916311	8	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	8	LOCKWASHER, 1/2"
2	74660492	1	□GASKET
3	70919229	1	CAPSCREW, 1/2"NC x 1/2"
4	74119937	1	GASKET
5	74376609	1	GASKET
6	74395852	1	COVER
	70916321	2	CAPSCREW, 1/2"NC x 4-1/2"
	70919224	7	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	7	LOCKWASHER, 3/8"
7	74036340	1	SEAL
8	74371445	2	WASHER
9	74371444	2	DOWEL
10	74390837	1	COVER
	70915408	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	LOCKWASHER, 3/8"
	70918887	1	PLUG, pipe, hex-socket, 3/8"NPT
11	74371027	1	□GASKET



USAGE: Tractors engine S/N 14-01260 and up

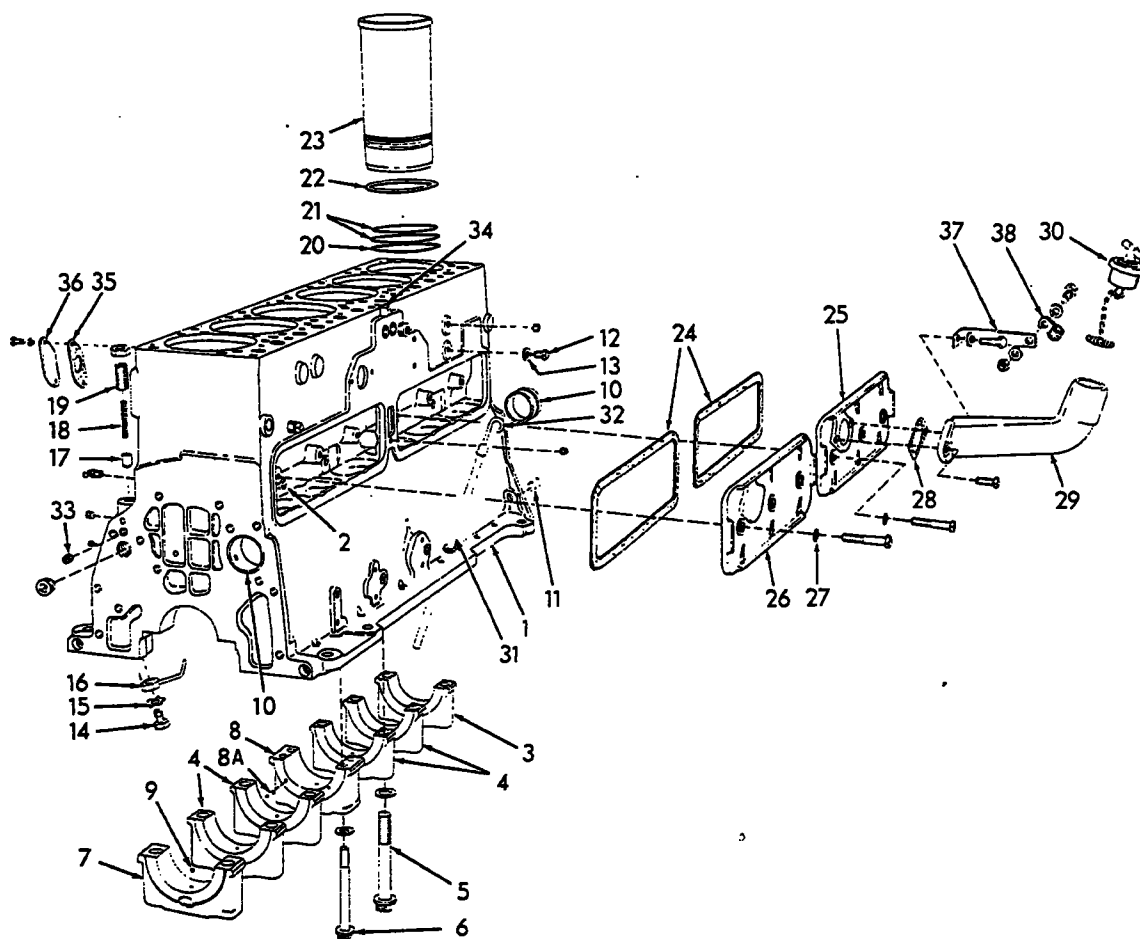
ITEM PART NO. QTY. DESCRIPTION

1	74394675	1	HOUSING, timing gear
	70916311	8	CAPSCREW, 1/2"NC x 1-1/4"
	70912441	8	LOCKWASHER, 1/2"
	70912069	2	CAPSCREW, 3/8"NC x 2-1/2"
	70910287	2	LOCKWASHER, 3/8"
2	74395999	1	□GASKET
3	74390837	1	COVER
	70918887	1	PLUG, pipe, hex-skt., 3/8"NPT
	70915408	2	CAPSCREW, 3/8"NC x 3/4"
	70910287	2	LOCKWASHER, 3/8"
4	74371027	1	□GASKET
5	74371444	2	DOWEL
6	74394672	2	COVER
	70930358	1	CAPSCREW, Nylok, 3/8"NC x 7/8"
	70922763	5	CAPSCREW, 3/8"NC x 1"
	70910287	6	LOCKWASHER, 3/8"
7	70923590	2	□O-RING
8	74395510	1	GEAR
9	74357289	1	BEARING
10	74023052	1	NUT
11	70923590	1	□O-RING

(Continued)

TIMING GEAR HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	74396118	1	HOUSING
	70930796	1	CAPSCREW, Nylok, 3/8"NC x 1-1/4"
	70921076	2	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	3	LOCKWASHER, 3/8"
13	74396000	1	□GASKET
14	74395998	1	COVER
	70919015	5	CAPSCREW, 3/8"NC x 3-1/2"
	70919224	1	CAPSCREW, 3/8"NC x 1-1/8"
	70922287	1	CAPSCREW, 3/8"NC x 1-3/4"
	70919227	2	CAPSCREW, 3/8"NC x 3-1/4"
	70915990	1	CAPSCREW, 3/8"NC x 2-3/4"
	70910287	9	LOCKWASHER, 3/8"
15	74395997	1	POINTER, timing
16	74394673	1	□GASKET
17	74396168	1	COVER
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
18	70916321	2	CAPSCREW (1/2"NC x 4-1/2")
	74371445	2	WASHER
19	74062468	1	SEAL
20	74395453	1	LINER
21	74395454	1	SUPPORT
	70924694	2	CAPSCREW, flanged, 1/2"NC x 3"



— CYLINDER BLOCK —

T-37202

ITEM PART NO. QTY. DESCRIPTION

1	74396091	1	BLOCK ASSY., cylinder(Piston cooled engines with cooling jets in cylinder block wall)(Includes items 2 thru 13, 37, 38 and items indented below)
	74255491	1	PLUG, pipe, (Top deck), 1/4"
	70919134	1	PLUG, pipe, hex-hd., 1/8"NPT
	70919840	3	PLUG, pipe, hex-hd., 1/4"NPT
	70919850	4	PLUG, pipe, hex-skt., 1/4"NPT
	70919887	1	PLUG, pipe, hex-skt., 3/8"NPT
	70920416	1	PLUG, pipe, hex-hd., 1/2"NPT
	70917970	2	PLUG, pipe, hex-skt., 1/2"NPT
	70918851	2	PLUG, pipe, hex-skt., 3/4"NPT
	74255363	1	COCK, water drain
	74362338	1	PLUG, oil gauge hole
2	-----	4	DOWEL (See page 24)
3	74395099	1	*CAP, rear
4	74395103	4	*CAP, intermediate
5	74393397	12	CAPSCREW
6	74391307	4	CAPSCREW
7	74395101	1	*CAP, front
8	74395108	1	*CAP, center

(Continued)

CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
8A	-----	4	PIN (See page 14)	
9	74389292	7	PIN (For .250" bearing cap hole and .250" bearing oil hole)(Engines prior to #21-14477)	
	74395109	7	PIN (Adapter for .438" bearing cap hole and .375" bearing oil hole)	
	70919777	7	PIN (For .375" bearing cap hole and .375" bearing oil hole)(Engine #21-14477 and up)	
10	74665306	2	BEARING, front and rear	
	74393373	2	BEARING, intermediate	
11	-----	2	PIN (See page 20)	
12	70919229	3	CAPSCREW, 1/2"NC x 1/2"	
13	74119937	3	□GASKET	
14	74386262	6	SCREW, jet retaining	} Each includes PIN indented below
15	74255186	6	LOCKWASHER	
16	74390766	3	JET ASSY.	
			(Cylinders 1, 2 and 4)	
	74390767	3	JET ASSY.	
			(Cylinders 3, 5 and 6)	
	70917558	6	PIN, dowel	} Used on piston cooled engines with cooling jets in cylinder block wall
17	74500230	1	PISTON	
18	74660358	1	SPRING	
19	74389058	1	SCREW	
	70910847	1	NUT, jam, 3/4"NF	
20	74385485	6	O-RING (red)	
21	74393426	12	O-RING (black)	
22	74368204	-	SHIM (.005"thick)	} Use as required when machining block
	74368205	-	SHIM (.010"thick)	
	74368206	-	SHIM (.015"thick)	
	74369002	-	SHIM (.020"thick)	
23	74061528	6	□SLEEVE ASSY. (Includes SLEEVE and items 20 and 21)	
24	74377120	2	□GASKET	
25	74393854	1	COVER	
	70916316	3	CAPSCREW, 1/2"NC x 2-1/2"	
26	74393853	1	COVER	
	70916316	2	CAPSCREW, 1/2"NC x 2-1/2"	
	70916317	1	CAPSCREW, 1/2"NC x 2-3/4"	
27	74376749	7	□WASHER	
28	74310257	1	□GASKET	
29	74394952	1	ELBOW, oil filler	
	74379198	2	CAPSCREW, Nylok, 1/2"NC x 1-3/8"	
30	74354492	1	CLOSURE ASSY. (Serviced only as a unit)	
31	74395046	1	ADAPTER	
32	74395045	1	GAUGE, oil level	
33	74389943	1	RESTRICTOR, oil by-pass(Engines prior to #21-14477)	
34	70932799	1	SETSCREW (Engines #21-14477 thru #14-01259)	
35	74025101	2	GASKET	} Engine #21-14477 and up
36	74024141	2	PLATE	
	70916253	4	CAPSCREW, 7/16"NC x 3/4"	
	70914678	4	LOCKWASHER, 7/16"	
37	70642413	1	ANGLE	

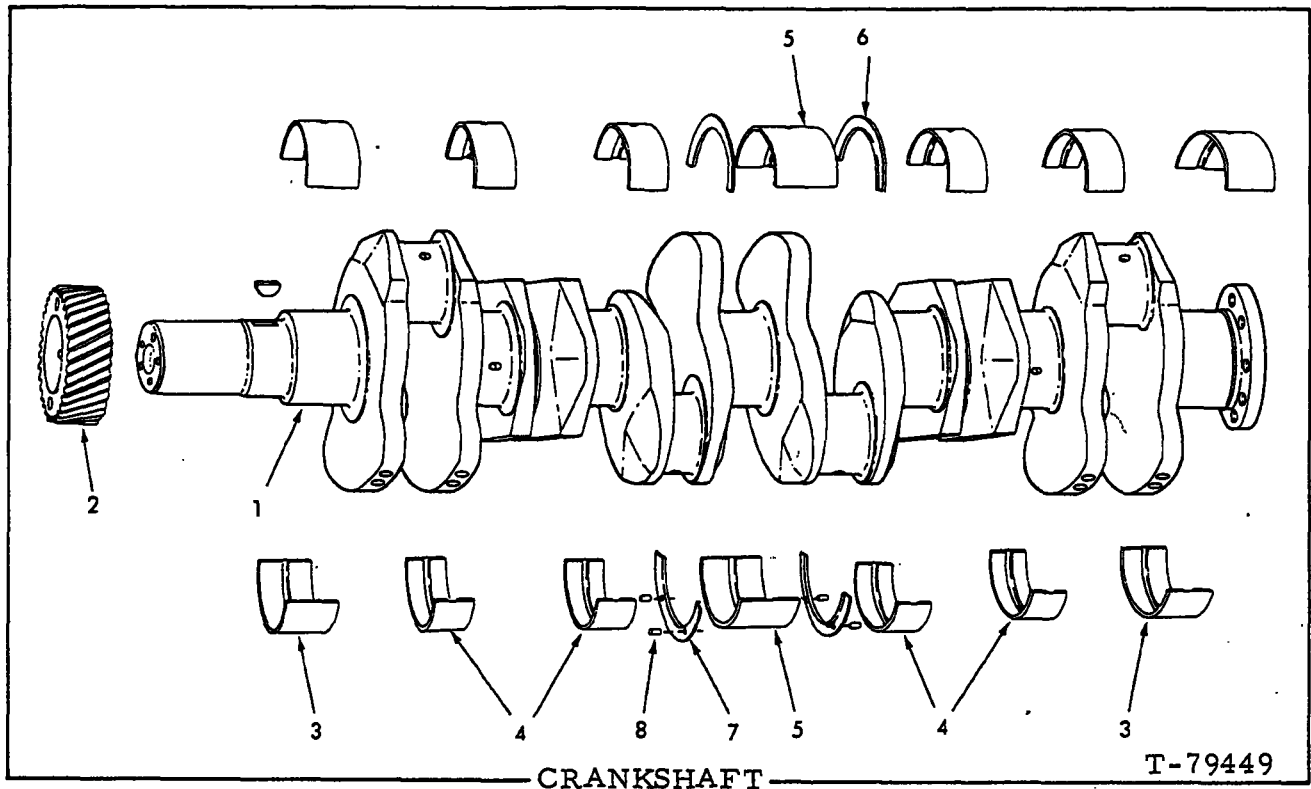
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(Revised May 1982)

CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
38	70929458	1	CLAMP
	70922300	1	CAPSCREW, 3/8"NC x 3/4"
	70929256	2	WASHER
	70900367	1	NUT, 3/8"NC

*Replacement bearing caps are semi-finished and must be line-bored after installing.



* Engines prior to S/N 14-01260
 ** Engines S/N 14-01260 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	74396002	1 -	CRANKSHAFT(For first replacement on engines prior to #21-14546 also order 1GEAR 74395185 and 1 KEY 70905127)
2	74395456	1 -	CRANKSHAFT
2	74389052	1 -	GEAR
	70905129	1 -	KEY, "D" woodruff, 5/16" x 1-1/4"
	74395185	1 -	GEAR
	70905127	1 -	KEY, "B" woodruff, 5/16" x 1"
	74396173	1 -	GEAR
	70905127	1 -	KEY, "B" woodruff, 5/16" x 1"
3	74395905	4 4	BEARING (standard size)
	74395908	4 4	BEARING (.010" undersize)
	74395909	4 4	BEARING (.020" undersize)
	74395910	4 4	BEARING (.030" undersize)
	74395911	4 4	BEARING (.040" undersize)
4	74395906	8 8	BEARING (standard size)
	74395912	8 8	BEARING (.010" undersize)
	74395913	8 8	BEARING (.020" undersize)
	74395914	8 8	BEARING (.030" undersize)
	74395915	8 8	BEARING (.040" undersize)
5	74395907	2 2	BEARING (standard size)
	74395916	2 2	BEARING (.010" undersize)
	74395917	2 2	BEARING (.020" undersize)
	74395918	2 2	BEARING (.030" undersize)
	74395919	2 2	BEARING (.040" undersize)

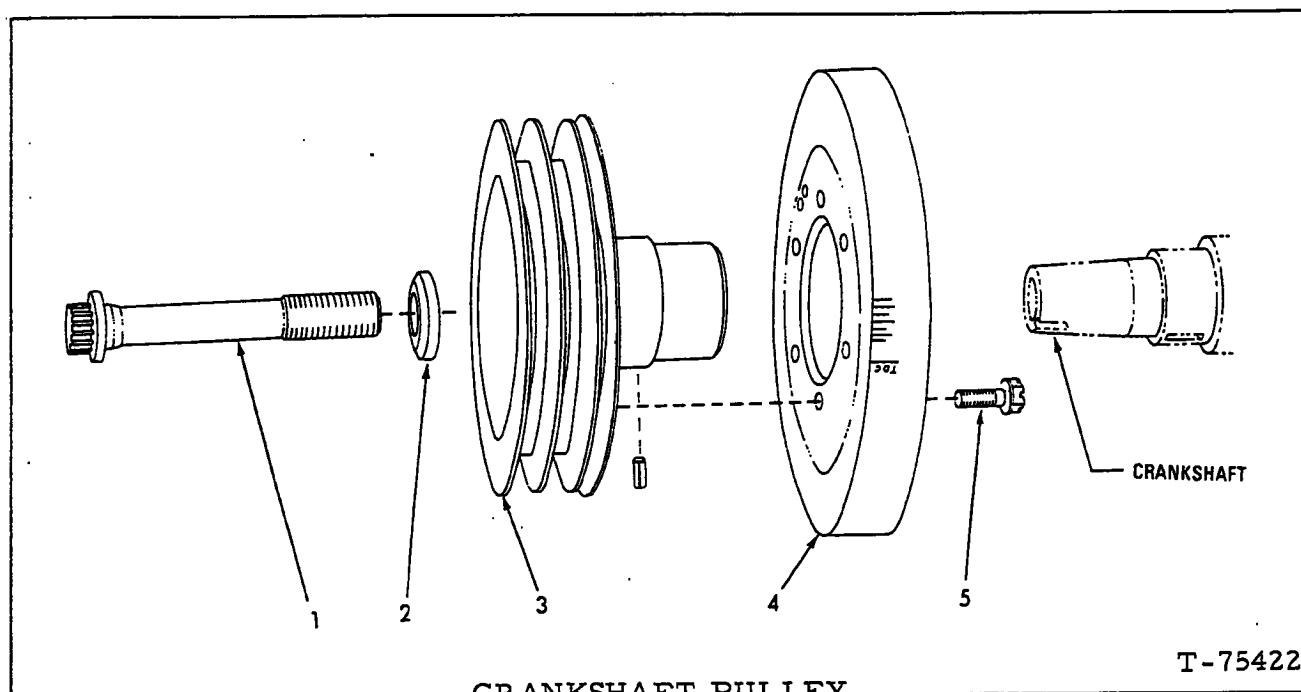
For first replacement on engines prior to S/N 21-14477 also order 1 PIN 74395109 per CAP

(Continued)

(Revised May 1982)

CRANKSHAFT (Continued)

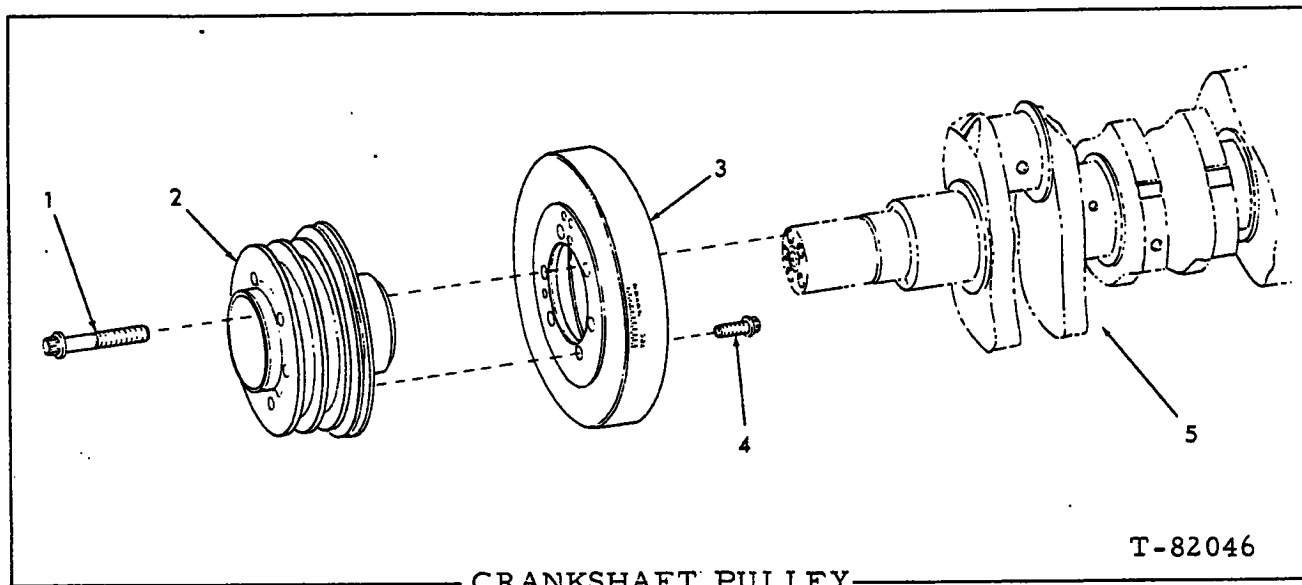
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
6	74386360	2 -	FLANGE (standard size)
	74386456	2 -	FLANGE (.005" undersize)
	74386457	2 -	FLANGE (.010" undersize)
	74386458	2 -	FLANGE (.015" undersize)
7	74386359	2 4	FLANGE (standard size)
	74386453	2 4	FLANGE (.005" undersize)
	74386454	2 4	FLANGE (.010" undersize)
	74386455	2 4	FLANGE (.015" undersize)
8	70919347	4 4	PIN
9	74062039	1 1	KIT, bearing (standard size)
	74062040	1 1	KIT, bearing (.010" undersize)
	74062041	1 1	KIT, bearing (.020" undersize)
	74062042	1 1	KIT, bearing (.030" undersize)
	74062043	1 1	KIT, bearing (.040" undersize)
			For first replacement on engines prior to S/N 21-14477 also order 1 PIN 74395109 per CAP
<u>NOTE:</u> Each BEARING KIT listed above consists of			
BEARINGS for complete crankshaft overhaul			
10	74061825	1 1	KIT, flange (standard size)
	74061826	1 1	KIT, flange (.005" undersize)
	74061827	1 1	KIT, flange (.010" undersize)
	74061828	1 1	KIT, flange (.015" undersize)



CRANKSHAFT PULLEY

USAGE: Engines prior to S/N 14-01260.

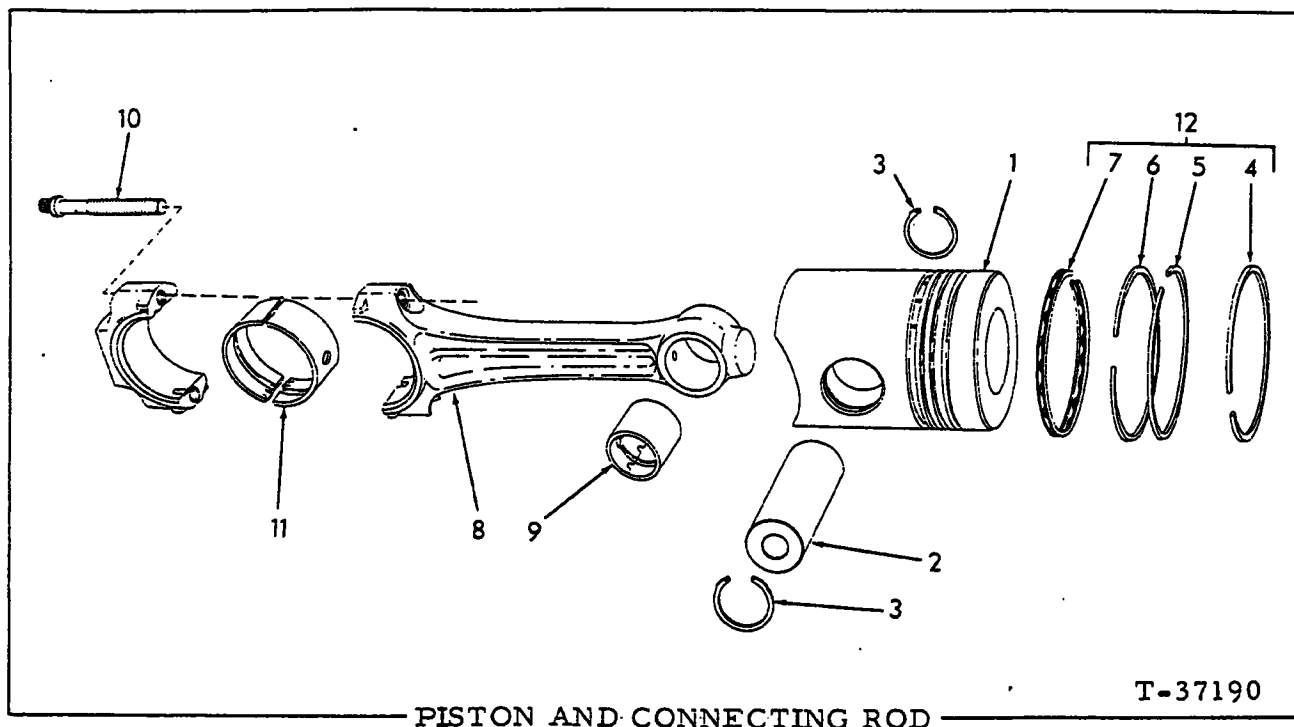
ITEM	PART NO.	QTY.	DESCRIPTION
1	74393435	1	SCREW
2	74393436	1	WASHER
3	74395554	1	PULLEY (Includes pin)
	70921839	1	PIN, spring, 5/16" x 1-3/8"
4	74395767	1	DAMPER
5	74391022	6	BOLT



CRANKSHAFT PULLEY

USAGE: Engines S/N 14-01260 and up

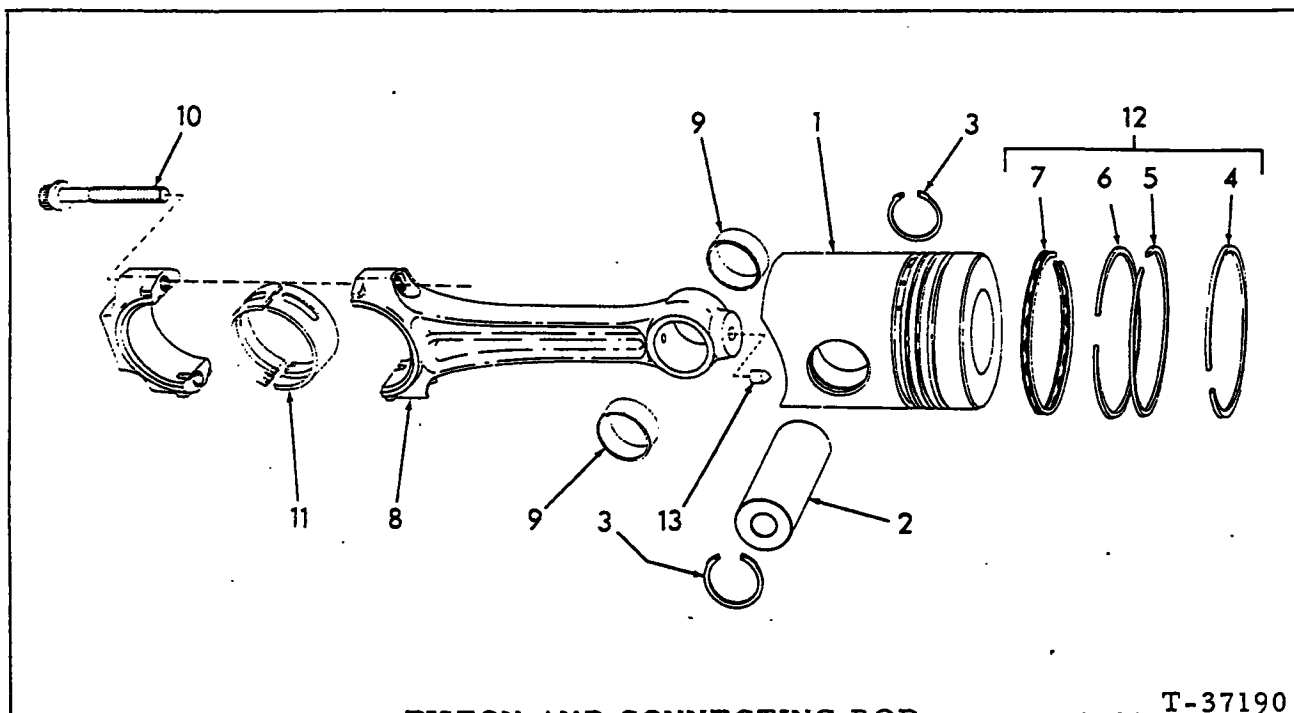
ITEM	PART NO.	QTY.	DESCRIPTION
1	74394747	5	CAPSCREW
2	74396448	1	PULLEY
3	74395767	1	DAMPER
4	74391022	6	BOLT
5	74398456	1	CRANKSHAFT (See page 14)



USAGE: Engines prior to serial No. 21-14953

ITEM	PART NO.	QTY.	DESCRIPTION
1	74396638	6	PISTON ASSY. (Includes PISTON and items 2, 3 and 12) (Replace in sets)
2	74394212	6	PIN 2.25
3	74255943	12	RETAINER
4	-----	6	RING (top groove)
5	-----	6	RING (2nd groove)
6	-----	6	RING (3rd groove)
7	-----	6	RING (4th groove)
8	74396085	6	ROD ASSY. (Includes items 9 and 10)(Requires connecting rod Bearing from page 17A)
9	74396367	6	BUSHING KIT (Includes instruction sheet)
10	74392024	12	CAPSCREW, socket- hd., (Engines prior to #21-14233)
	74394747	12	CAPSCREW, 12 pt. (Engine #21-14233 and up)
11	74394172	12	BEARING (Standard size)
	74394221	12	BEARING (.010" undersize)
	74394222	12	BEARING (.020" undersize)
	74394223	12	BEARING (.030" undersize)
	74394224	12	BEARING (.040" undersize)
12	74062452	6	RING SET (For ONE piston only)(Includes items 4 thru 7)

(Revised June 1981)



PISTON AND CONNECTING ROD

T-37190

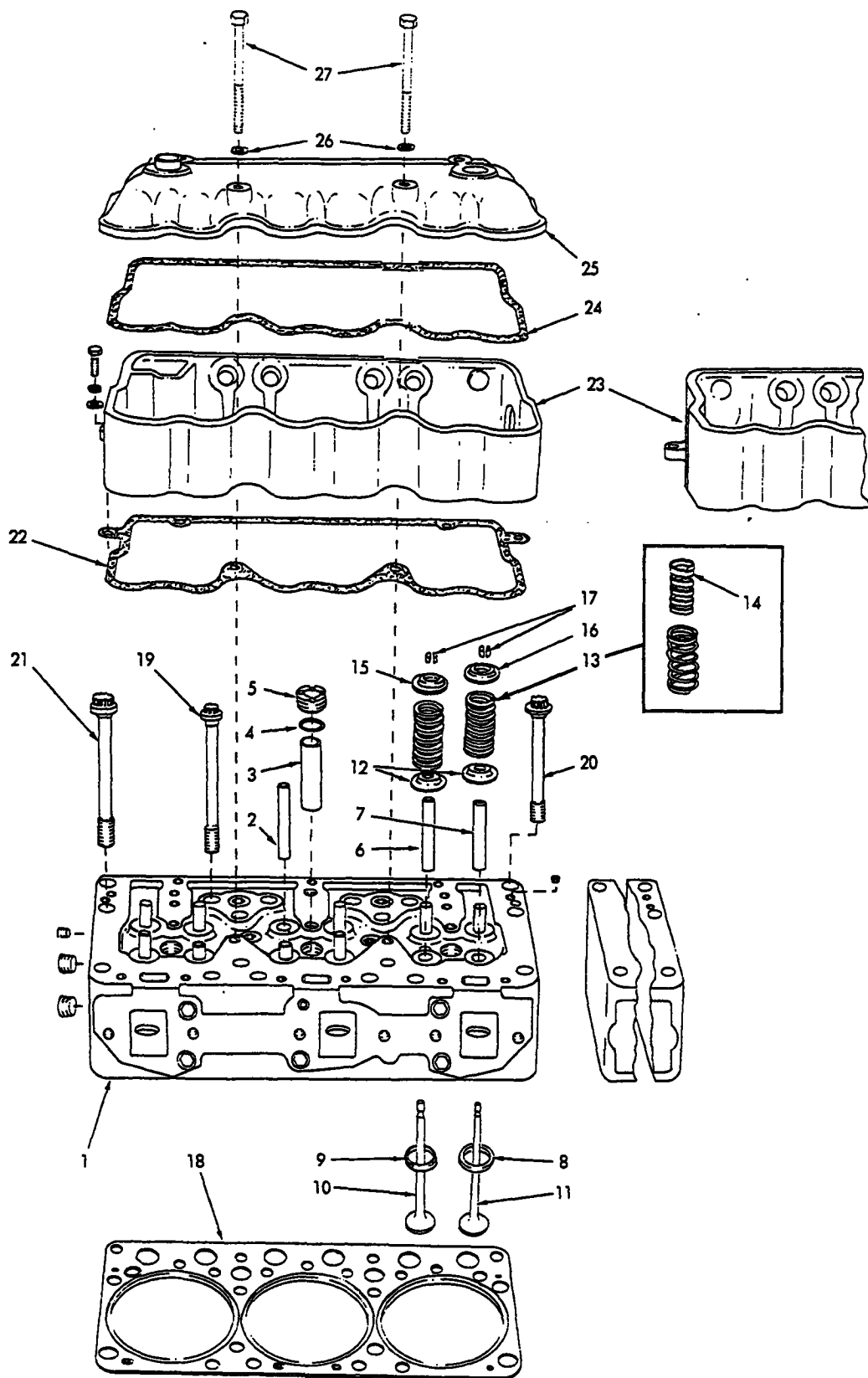
USAGE: Engine serial No. 21-14953 and up; also Model 6138 Engine.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74062035 74396638	6	PISTON ASSY. (Includes PISTON and items 2, 3 and 12)(Replace in sets on all 21000 MKII engines, also all 6138 engines prior to S/N14-02471)
2	74394212	6	PIN
3	74255943	12	RETAINER
4	-----	6	RING (top groove)
5	-----	6	RING (2nd groove)
6	-----	6	RING (3rd groove)
7	-----	6	RING (4th groove)
8	74396085	6	ROD ASSY. (Includes items 9, 10 and 13)
9	74396367	6	BUSHING KIT (Includes instruction sheet)
10	74394747	12	CAPSCREW, 12 pt.
11	74396048	12	BEARING (Standard size)
	74396049	12	BEARING (.010" undersize)
	74396050	12	BEARING (.020" undersize)
	74396051	12	BEARING (.030" undersize)
	74396052	12	BEARING (.040" undersize)
12	74062452	6	RING SET (For ONE piston only)(Includes items 4 thru 7)
13	74630114	6	TIP, spray (Includes instruction sheet)
14	74062108	1	KIT, bearing (Standard)
	74062109	1	KIT, bearing (.010" undersize)
	74062110	1	KIT, bearing (.020" undersize)
	74062111	1	KIT, bearing (.030" undersize)
	74062112	1	KIT, bearing (.040" undersize)

Order item 12

Kits contain
12 bearings

(Revised June 1981)



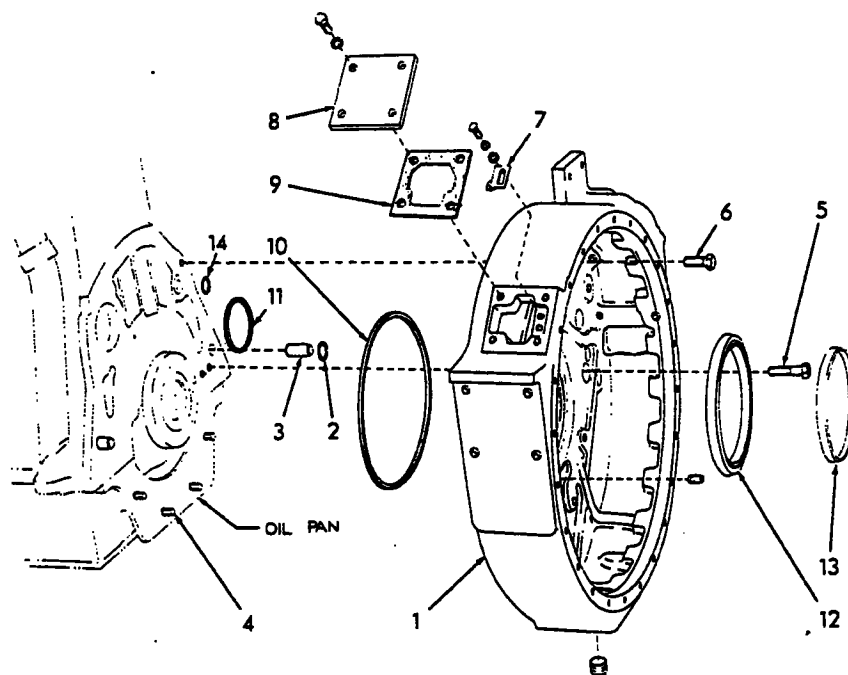
CYLINDER HEAD

I-77915

CYLINDER HEAD

ITEM	PART NO.	QTY.	DESCRIPTION
1	74394445	2	HEAD ASSY., cylinder (Includes items 2 thru 9 and plugs indented below)
	74255490	8	PLUG, pipe, hex-socket, 1/8"NPT
	74255491	2	PLUG, pipe, hex-socket, 1/4"NPT
	74255577	26	PLUG, pipe, hex-socket, 3/4"NPT
2	74386413	12	PIN
3	74392051	6	SLEEVE
4	70926672	6	O-RING
5	74392052	6	NUT
6	74390547	12	GUIDE, intake valve
7	74396560	12	GUIDE, exhaust valve
8	74392053	12	INSERT (standard size)
	74392068	12	INSERT (.005" oversize)
9	74386628	12	INSERT (standard size)
	74386653	12	INSERT (.005" oversize)
10	74386790	12	VALVE, intake
11	74392054	12	VALVE, exhaust
12	74389685	24	SEAT
13	-----	24	SPRING ASSY. (First type)(Includes item 14) (Order 74396664)
	74396664	24	SPRING(Second type with integral damper)
14	-----	24	DAMPER(Used with first type spring)
15	74389397	24	ROTOCOIL ASSY. (Serviced only as a unit)
16	-----	-	RETAINER (Order item 15)
17	74376497	48	LOCK
18	74396409	2	☐ GASKET ASSY. (Includes instruction sheet)
19	74391306	26	SCREW (5/8"NC x 7")
20	74391307	2	SCREW (5/8"NC x 6")
21	74393443	8	SCREW (3/4"NC x 7-1/4")
22	74393989	2	☐ GASKET
23	74394928	2	COVER,
	70916272	4	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
	70913544	4	WASHER
24	74389961	2	☐ GASKET
25	74387726	1	COVER, rear
	74386901	1	COVER, front
26	74254873	8	☐ WASHER
27	70921405	8	CAPSCREW, 3/8"NC x 6"

(Revised June 1981)

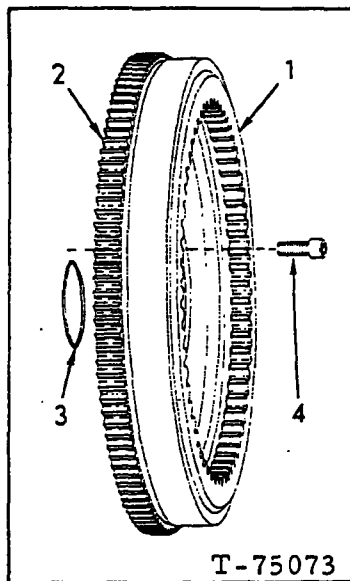


FLYWHEEL HOUSING

T-41788

ITEM	PART NO.	QTY.	DESCRIPTION
1	74395433	1	HOUSING, flywheel
	70922884	1	SETSCREW, hex-socket, cup-pt., Nylok, 7/16"NC x 1/2"
	70920132	1	PLUG, pipe, 1/2"NPT
2	70923810	2	O-RING
3	74373716	2	DOWEL
4	-----	4	CAPSCREW (See page 29)
5	70921556	2	BOLT, 1/2"NC x 2"
6	70920574	8	BOLT, 1/2"NC x 1-3/8"
7	74386651	1	POINTER
	70916284	2	CAPSCREW, 1/4"NC x 1/2"
	70904204	2	LOCKWASHER, 1/4"
	70911114	2	WASHER
8	74395049	1	COVER
	70915813	4	CAPSCREW, 5/16"NC x 7/8"
	70904205	4	LOCKWASHER, 5/16"
9	74390432	1	GASKET
10	74336897	1	RING
11	74255904	1	RING (camshaft hole)
12	74395770	1	SEAL
13	74394036	1	SLEEVE
14	74255898	1	RING

(Revised May 1982)

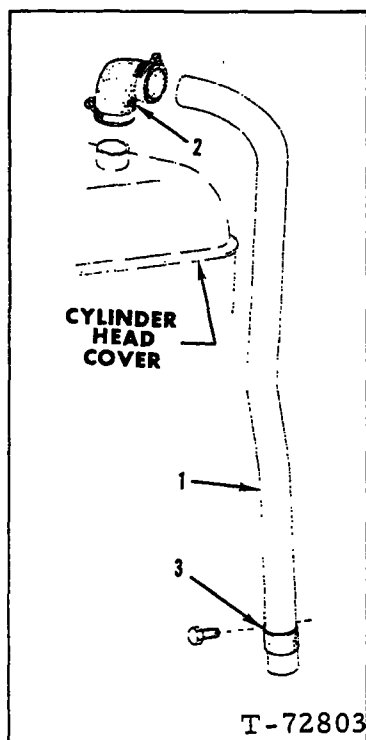


FLYWHEEL

ITEM	PART NO.	QTY.	DESCRIPTION
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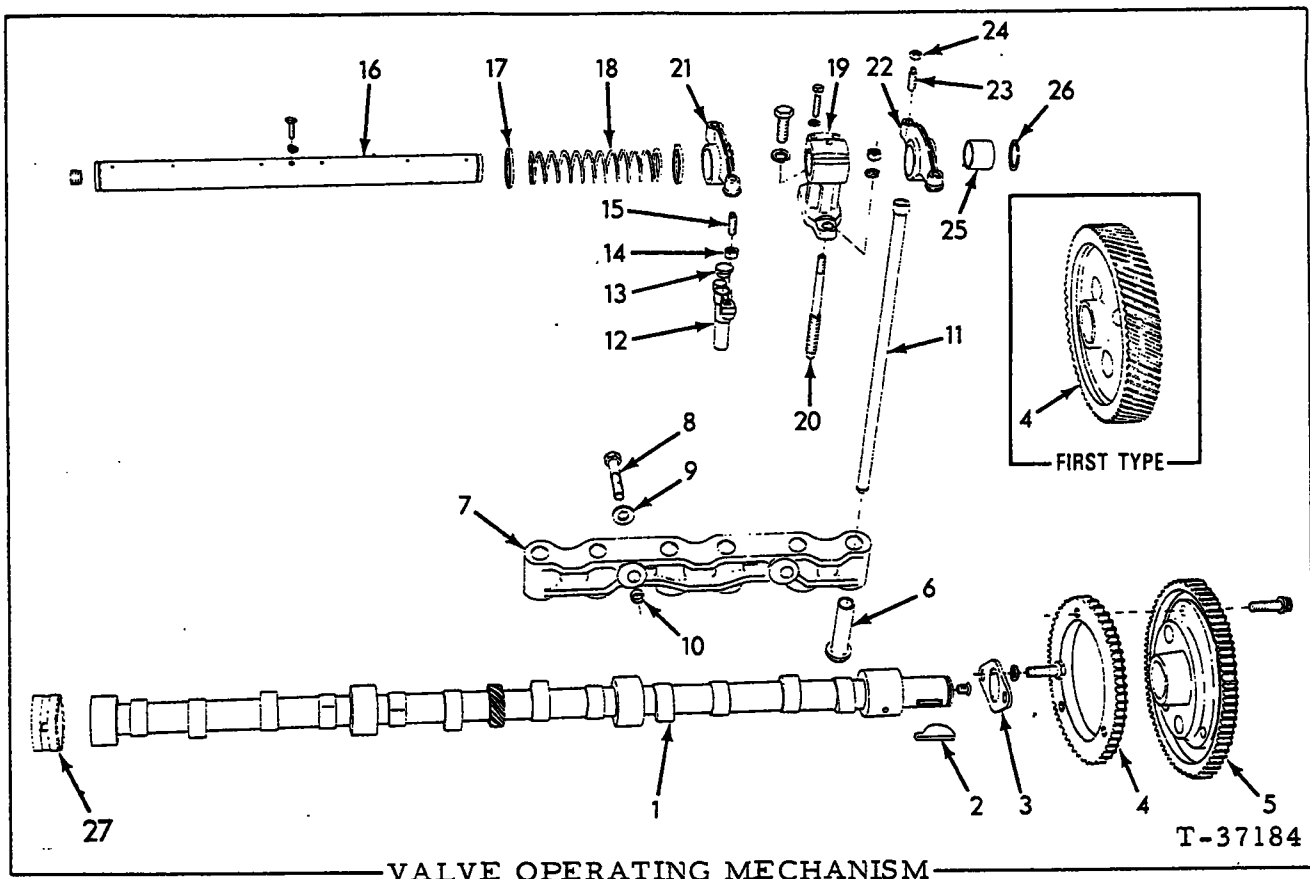
1	74395963 <i>OSC</i>	1	FLYWHEEL ASSY. (Engine prior to #21-14645)
	74395968 <i>OSC</i>	1	FLYWHEEL ASSY. (Engine #21-14645 and up)
2	74303694	1	GEAR
3	74255912	1	O-RING
4	74391666	8	CAPSCREW

Each
includes
item 2



ENGINE BREATHER

ITEM	PART NO.	QTY.	DESCRIPTION
1	74394764	1	TUBE
2	74255351	1	ELBOW
	70922198	2	CLAMP, 1-9/16" to 2-9/16" diam.
3	74255361	1	CLAMP
	70921865	1	CAPSCREW, Nylok, 1/2"NC x 1"

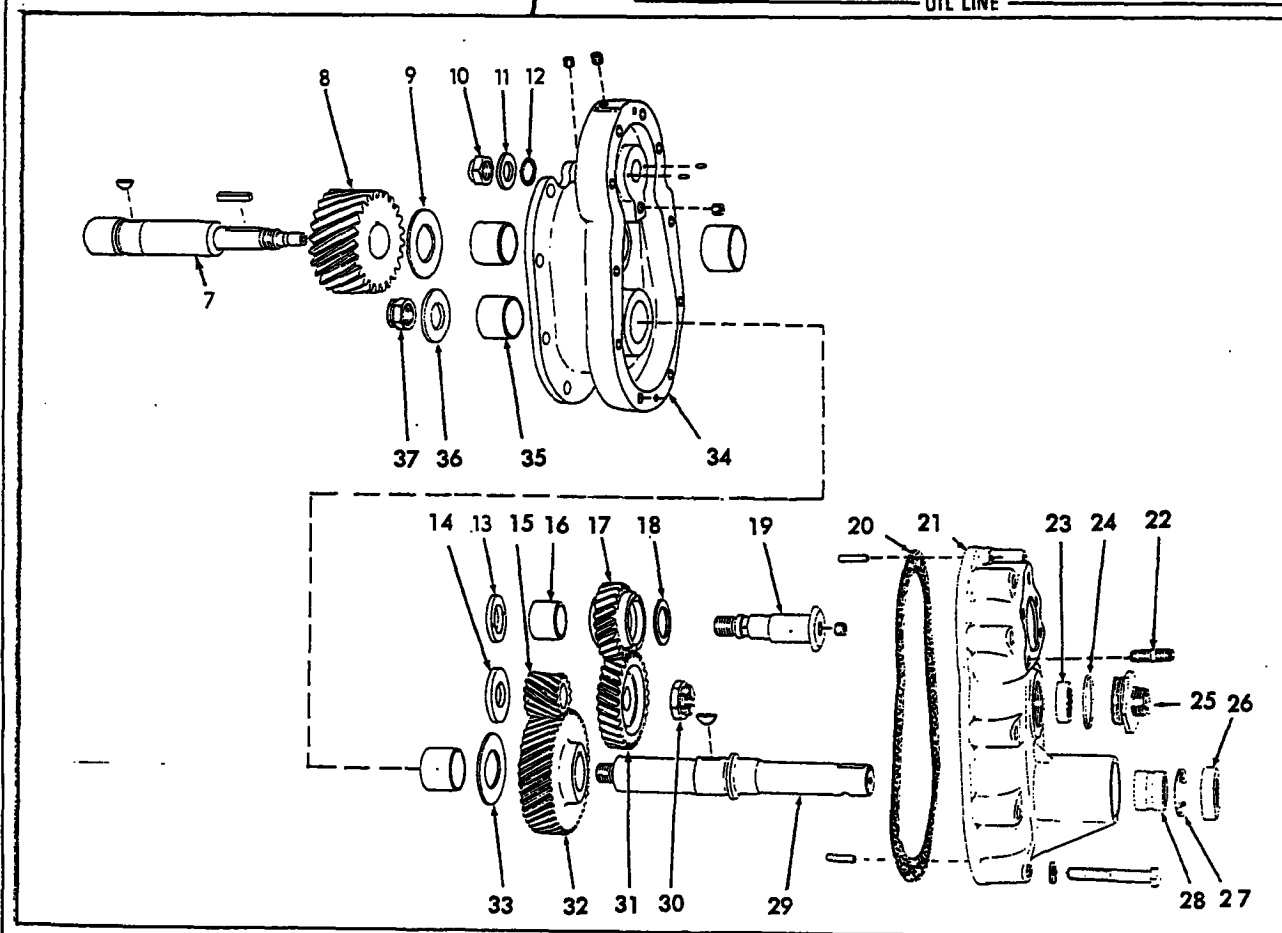
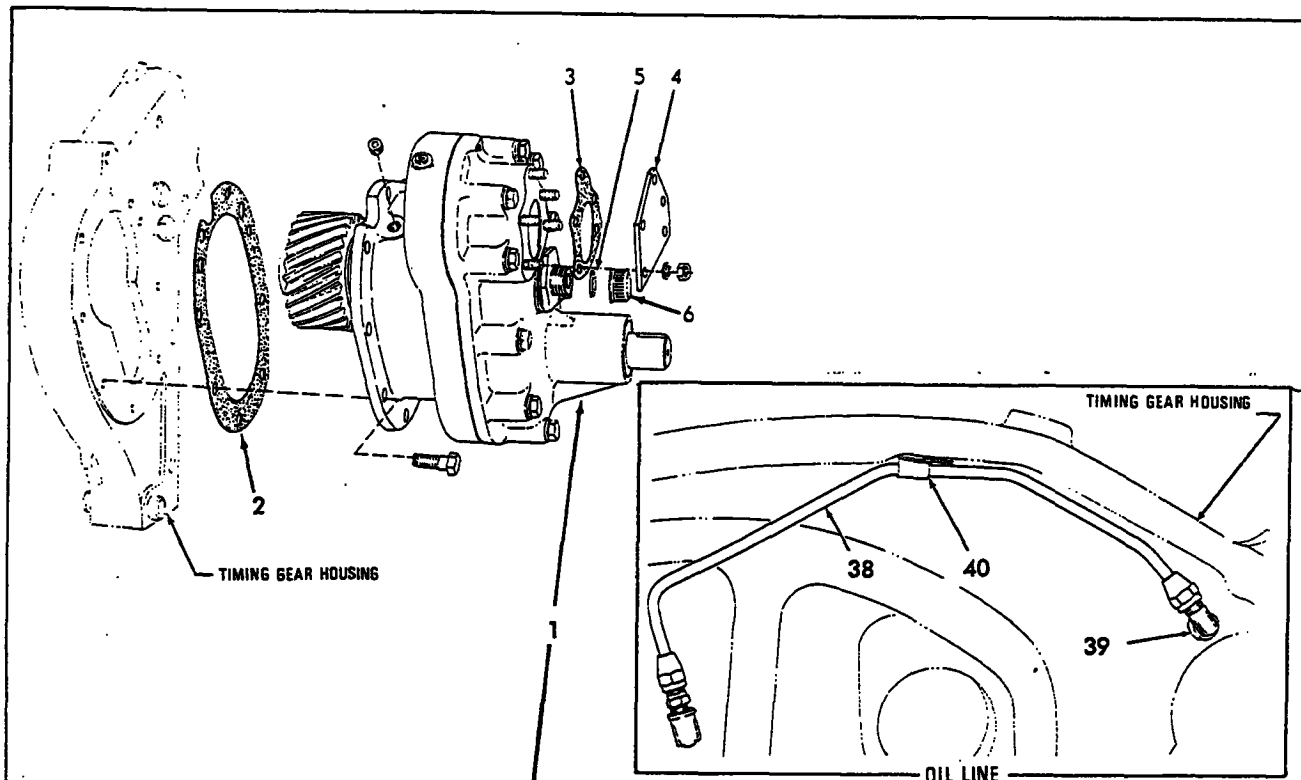


ITEM	PART NO.	QTY.	DESCRIPTION	
1	74393399	1	CAMSHAFT	
2	70923738	1	KEY	
3	74386776	1	PLATE	
	70916311	2	CAPSCREW, 1/2"NC x 1-1/4"	
	70912441	2	LOCKWASHER, 1/2"	
4	74392183	1	GEAR (Engines prior to # 14-01260)	
	74394662	1	GEAR	
	70922051	3	CAPSCREW, 12-pt., 3/8"NC x 1"	Engines # 14-01260 & up
5	74394666	1	GEAR	
6	74391845	12	LIFTER	
7	74391869	1	BRACKET	
	74391870	1	BRACKET	
8	70915969	4	CAPSCREW, 1/2"NC x 3"	
9	74376277	4	WASHER	
10	74303038	4	DOWEL	
11	74391849	12	ROD	
12	74390270	12	BRIDGE ASSY. (Includes items 13 thru 15)	
13	74376538	12	INSERT	
14	74516821	12	NUT	
15	74390254	12	SCREW	

(Continued)

VALVE OPERATING MECHANISM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
16	74390117	2	SHAFT ASSY. (Includes Plugs indented below)
	70918887	4	PLUG, pipe, hex-socket, 3/8"NPT
	70915406	2	CAPSCREW, 1/4"NC x 3/4"
	70904204	2	LOCKWASHER, 1/4"
17	74386406	8	RETAINER
18	74386405	4	SPRING
19	74395085	6	BRACKET
	70916311	6	CAPSCREW, 1/2"NC x 1-1/4" (attaching)
	70912441	6	LOCKWASHER, 1/2"
	70915807	12	CAPSCREW, 5/16"NC x 1-1/4" (clamping) (Engines prior to #21-15294)
	70904205	12	LOCKWASHER, 5/16" (Engines prior to # 21-15294)
20	74377541	6	STUD
	70910325	6	NUT, 1/2"NC
	70912441	6	LOCKWASHER, 1/2"
21	74390296	4	ARM ASSY., intake valve Nos. 1,2,4,5
	74390297	2	ARM ASSY., exhaust valve Nos. 3,6
22	74390294	4	ARM ASSY., exhaust valve Nos. 1,2,4,5
	74390295	2	ARM ASSY., intake valve Nos. 3,6.
			NOTE: Each ARM ASSY. listed above includes items 23 thru 25.
23	74336646	12	SCREW
24	74516821	12	NUT
25	74388428	12	BUSHING
26	74253190	4	RING, snap
27	-----	-	BEARING, camshaft (See page 12)



ACCESSORY DRIVE

T-39416

ACCESSORY DRIVE

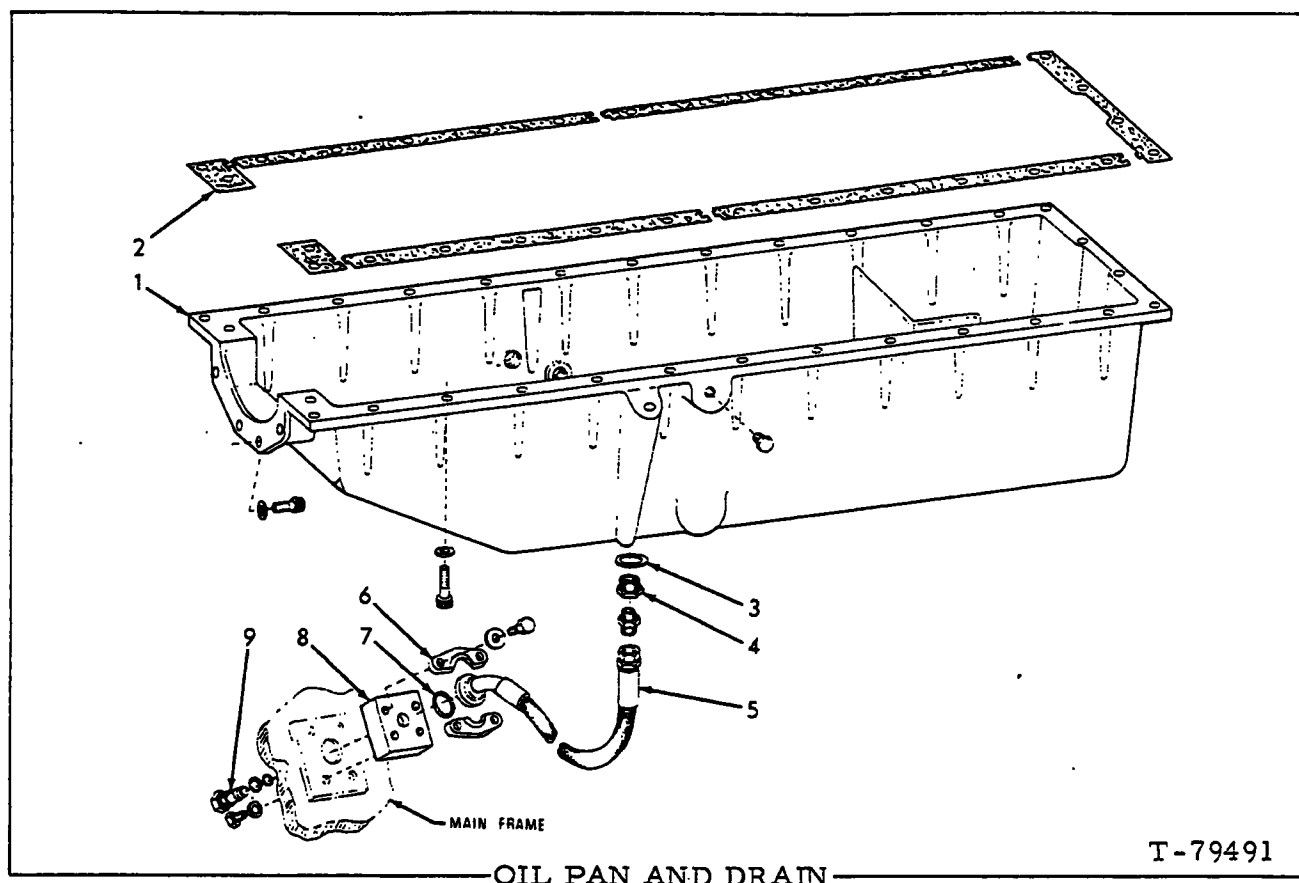
USAGE: Engines prior to S/N 14-01260.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74391441	1	DRIVE ASSY. (Includes items 7 thru 37)
	70921520	8	CAPSCREW, Nylok, 3/8"NC x 7/8"
2	74376603	1	□ GASKET
3	74386826	1	GASKET
4	74389593	1	PLATE
	70904206	5	LOCKWASHER, 3/8"
	70910123	5	NUT, 3/8"NF
5	74367090	1	□ GASKET
6	74371118	1	NUT
7	74391419	1	SHAFT
	70917409	1	KEY, #9 woodruff, 3/16" x 3/4"
	70905850	1	KEY, straight, 3/16" x 1"
8	74391403	1	GEAR
9	74391412	1	WASHER
10	70911044	1	NUT
11	70900703	1	WASHER
12	70923574	1	O-RING
13	74376598	1	WASHER
	70917014	2	PIN dowel, 1/8" x 3/8"
14	74391407	1	WASHER
15	74364404	1	GEAR (14 teeth)
16	74376596	1	BUSHING
17	74320608	1	GEAR ASSY. (Includes item 16)
18	74391411	1	PLATE
19	74376591	1	SHAFT ASSY. (Includes PLUGS indented below)
	70917673	1	PLUG, pipe, hex-socket, 1/8"NPT
20	74376604	1	GASKET
21	74386711	1	COVER ASSY. (Includes item 28)
	70912069	10	CAPSCREW, 3/8"NC x 2-1/2"
	70904206	10	LOCKWASHER, 3/8"
	70917023	2	PIN, dowel, 1/4" x 1"
22	74389599	5	STUD
23	74391019	1	SEAL
24	74251601	1	GASKET
25	74365627	1	ADAPTER
26	74386879	1	SEAL
27	74254742	1	RING
28	74377278	1	BUSHING
29	74391475	1	SHAFT
	70917409	1	KEY, #9 woodruff, 3/16" x 3/4"
30	70930805	1	NUT, thin, 3/4"NF
31	74376590	1	GEAR
32	74391554	1	GEAR (42 teeth)
33	74391412	1	WASHER, thrust
34	74391408	1	HOUSING ASSY. (Includes item 35)
	70917673	4	PLUG, pipe, hex-socket, 1/8"NPT
35	74369746	4	BUSHING
36	74364166	1	WASHER, thrust

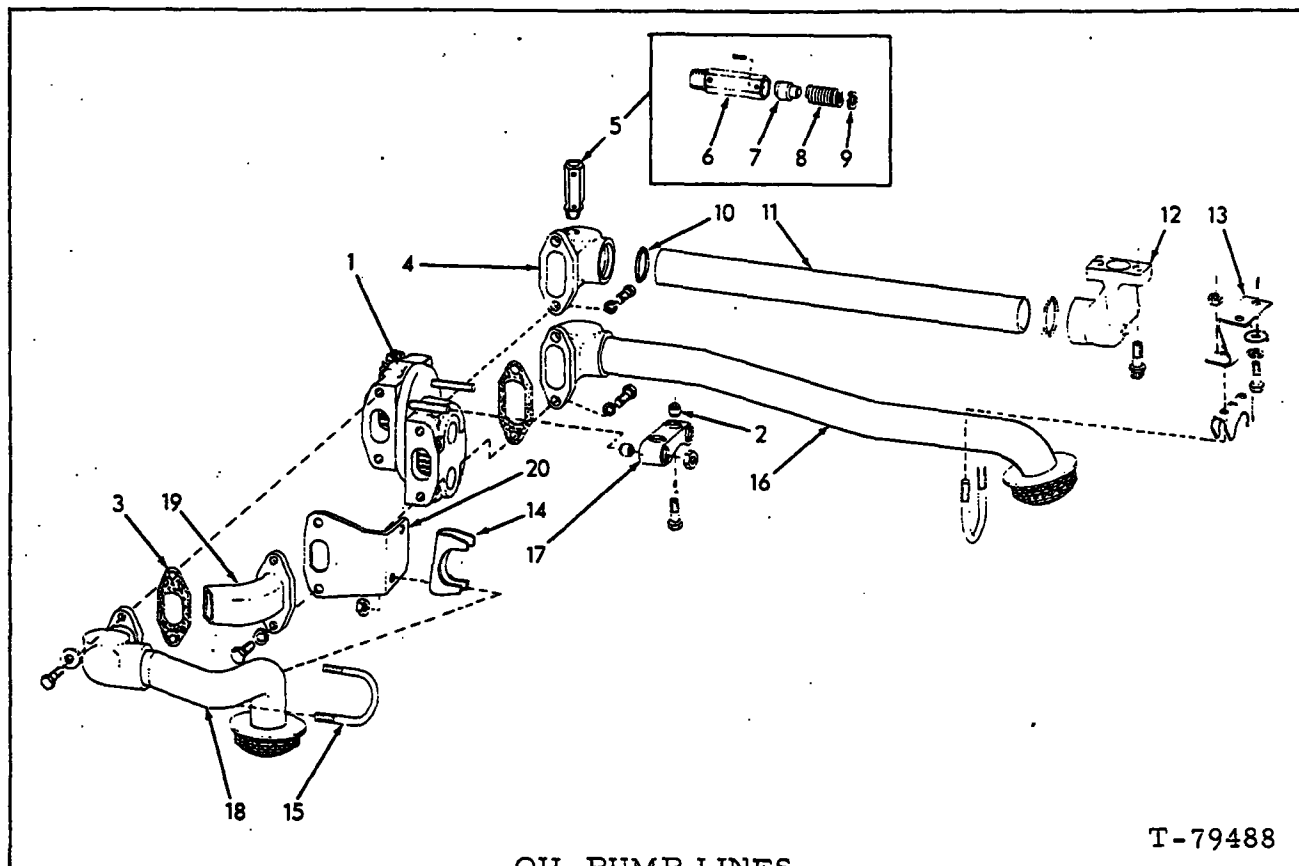
(Continued)

ACCESSORY DRIVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
37	70930805	1	NUT, thin, 3/4"NF
38	74376627	1	TUBE ASSY. (Includes nuts)
	70910141	1	CONNECTOR, flare type, 1/4"tube, 1/8"NPT male
	70917013	1	ELBOW, street,, brass, 90°, 1/8"NPT
39	74391885	1	ELBOW
	70917841	1	NIPPLE, pipe, 1/8"NPT x 7/8"
40	74361829	1	CLIP
	74335669	1	CAPSCREW, drilled-hd., 1/4"NC x 1/2"
	70904204	1	LOCKWASHER, 1/4"
	74348691	1	WIRE, locking, #18 x 6"



ITEM	PART NO.	QTY.	DESCRIPTION
1	74396471	1	PAN
	70922064	4	CAPSCREW, 12-pt., 1/2"NC x 1"
	70922220	30	CAPSCREW, 12-pt., 1/2"NC x 1-1/2"
	70912007	34	WASHER
	70924636	1	PLUG, pipe, 1/2"NPT
2	74395803	1	GASKET SET
3	70667252	1	GASKET
4	70620072	1	ADAPTOR
5	73111899	1	HOSE (See HOSE PARTS)
	70919342	1	CONNECTOR, flare type, 3/4" tube, 3/4PNPT male
6	70921115	2	FLANGE (half only)
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"
	70930370	4	WASHER, plain
7	70923575	1	O-RING
8	70694727	1	BLOCK
	70922763	4	CAPSCREW, 3/8"NC x 1"
	70910287	4	LOCKWASHER, 3/8"
9	70697812	1	PLUG
	70923663	1	O-RING (small)
	70921349	1	O-RING (large)



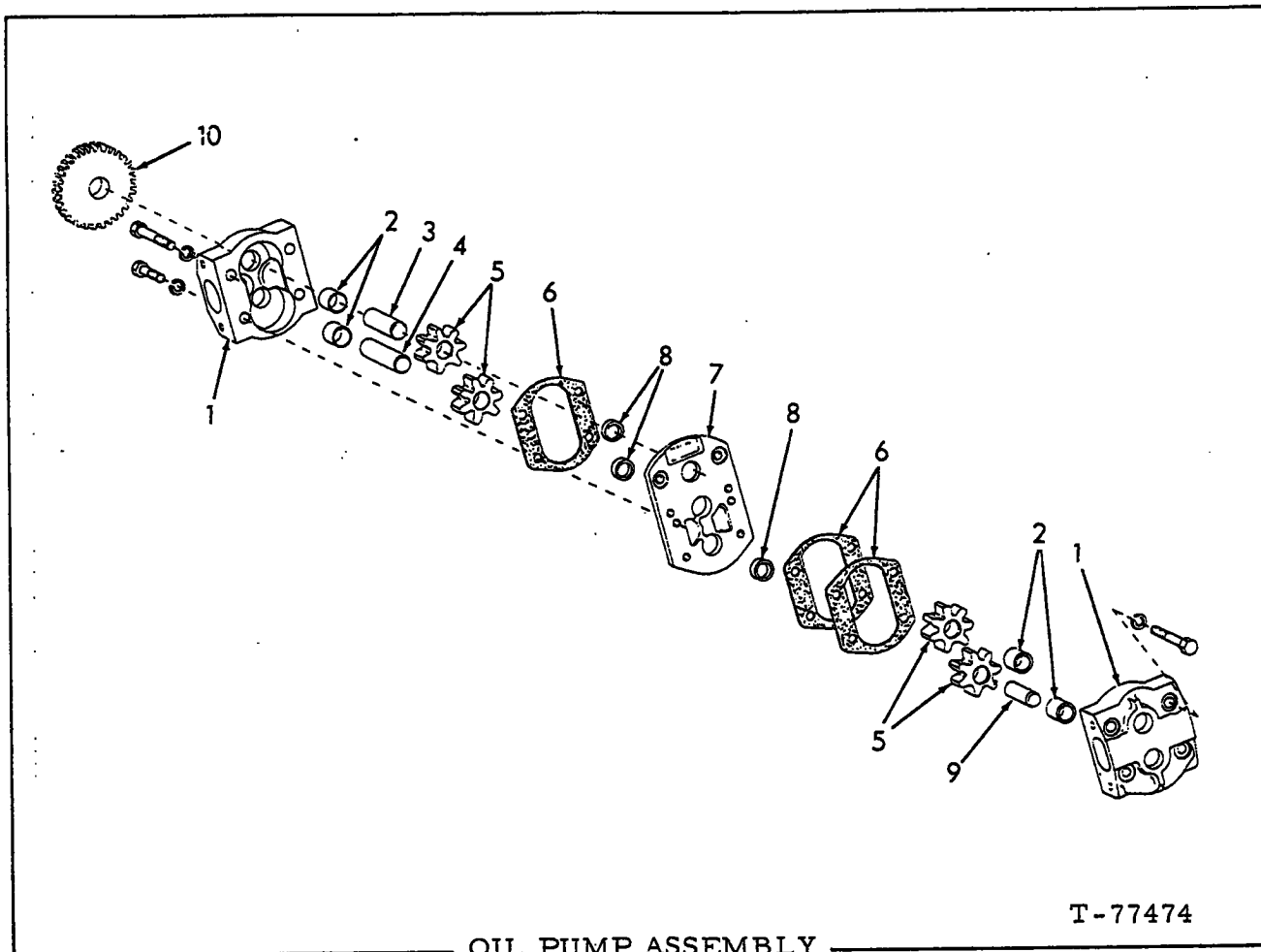
OIL PUMP LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PUMP ASSY. (See pages 32, 33 and 33A)
	70914678	2	LOCKWASHER, 7/16"
	70928212	2	NUT, 7/16"NC
2	74395024	4	DOWEL
3	74393359	2	GASKET
4	74393362	1	ELBOW (Engine prior to S/N 21-15505)
	74395971	1	ELBOW (Engine S/N 21-15505 and up)
	70923193	2	CAPSCREW, 3/8"NF x 1-1/4" (Engine prior to S/N 21-15505)
	70924228	2	CAPSCREW, 3/8"NF x 1-1/2" (Engine S/N 21-15505 and up)
	70916543	2	LOCKWASHER, internal teeth, 3/8"
5	-----	1	VALVE ASSY. (170 - 180 psi)(Stamped 4320597) (Includes items 6 thru 9)(Order 74036462)
	74036462	1	VALVE ASSY. (120 - 130 psi)(Stamped 4028887) (Includes items 6 thru 9)
6	-----	1	BODY (Not serviced separately)
	70916001	1	PIN, spring, 3/16" x 1"
7	-----	1	PISTON (Not serviced separately)
8	74354568	1	SPRING (170 - 180 psi)(Use 74028888)
	74028888	1	SPRING (120 - 130 psi)
9	74359310	1	WASHER
10	70927044	2	O-RING
11	74393364	1	TUBE

(Continued)

OIL PUMP LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	74395053	1	ELBOW
	70922220	2	CAPSCREW, 12 pt., 1/2"NC x 1-1/2"
13	74393599	1	BRACKET
	70921569	2	CAPSCREW, 7/16"NC x 1-1/4"
	70914678	2	LOCKWASHER, 7/16"
14	74393601	2	SADDLE
15	74393600	2	U-BOLT
	70916871	4	NUT, elastic stop, 5/16"NC
16	74395060	1	TUBE ASSY. (Includes screen)
	70924228	2	CAPSCREW, 3/8"NF x 1-1/2"
	70916543	2	LOCKWASHER, internal teeth, 3/8"
17	74393341	1	BRACKET
	70927583	2	CAPSCREW, 7/16"NC x 1-3/4"
	70911992	2	WASHER
18	74395061	1	TUBE ASSY. (Includes screen)
	70923193	2	CAPSCREW, 3/8"NF x 1-1/4"
	70916543	2	LOCKWASHER, internal teeth, 3/8"
19	74394957	1	ELBOW
	70924228	2	CAPSCREW, 3/8"NF x 1-1/2"
	70916543	2	LOCKWASHER, internal teeth, 3/8"
20	74395062	1	BRACKET

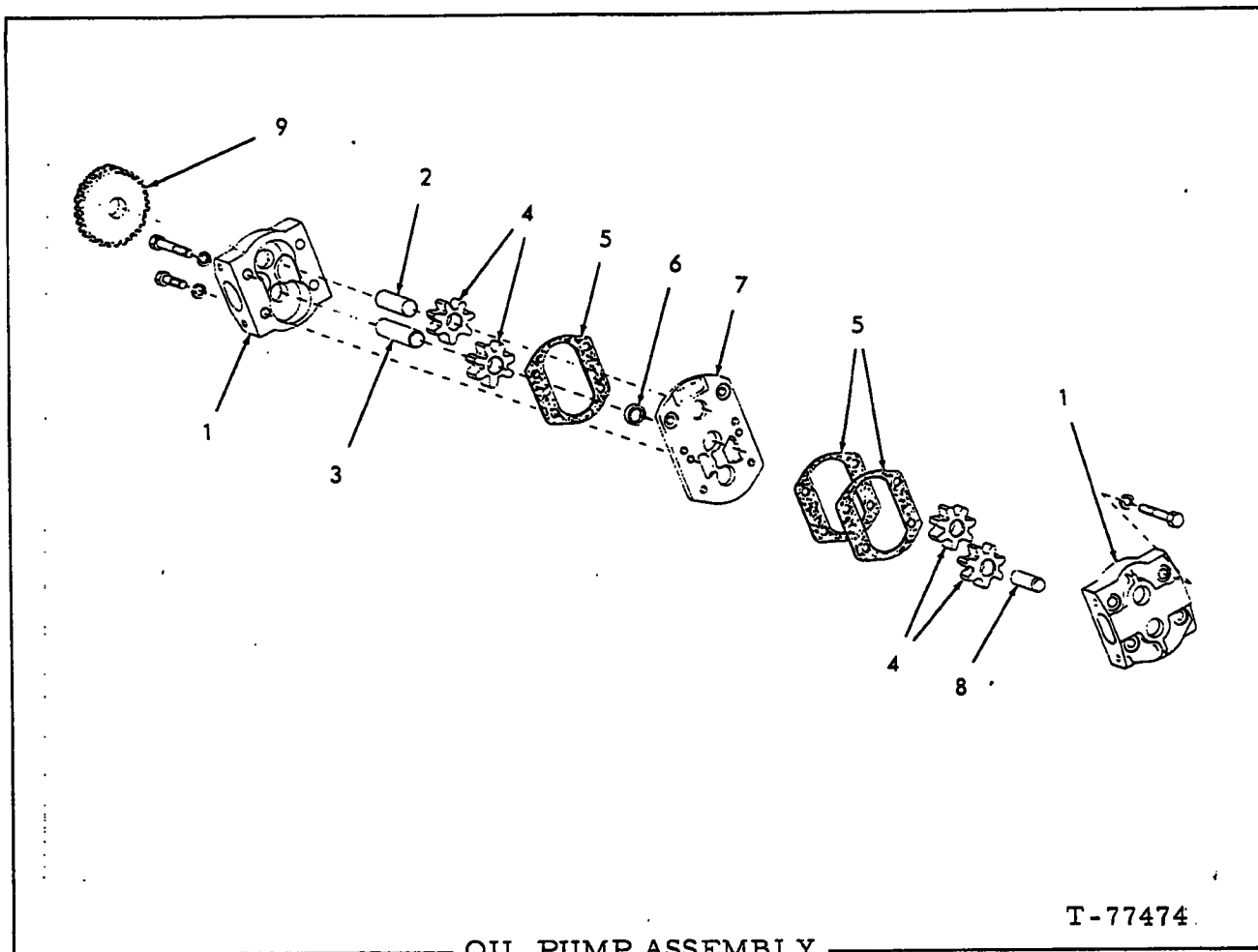


OIL PUMP ASSEMBLY

T-77474

USAGE: Model 21000 MK II engine (See page 30)

ITEM	PART NO.	QTY.	DESCRIPTION
-	74396859	1	PUMP ASSY. (Includes items 1 thru 10)
1	74396854	2	BODY ASSY. (Includes item 2)
	70920594	6	CAPSCREW, 7/16"NF x 2"
	70928211	2	CAPSCREW, 7/16"NF x 3-3/4"
	70907863	8	LOCKWASHER, 7/16"
2	74396899	4	BUSHING (Includes instruction sheet)
3	74396107	1	SHAFT
4	74396108	1	SHAFT
5	74007877	4	GEAR (Replace in pairs)
6	74393349	3	GASKET
7	74396855	1	PLATE ASSY. (Includes item 8)
8	74396899	3	BUSHING (Includes instruction sheet)
9	74396109	1	SHAFT
10	74393355	1	GEAR, helical

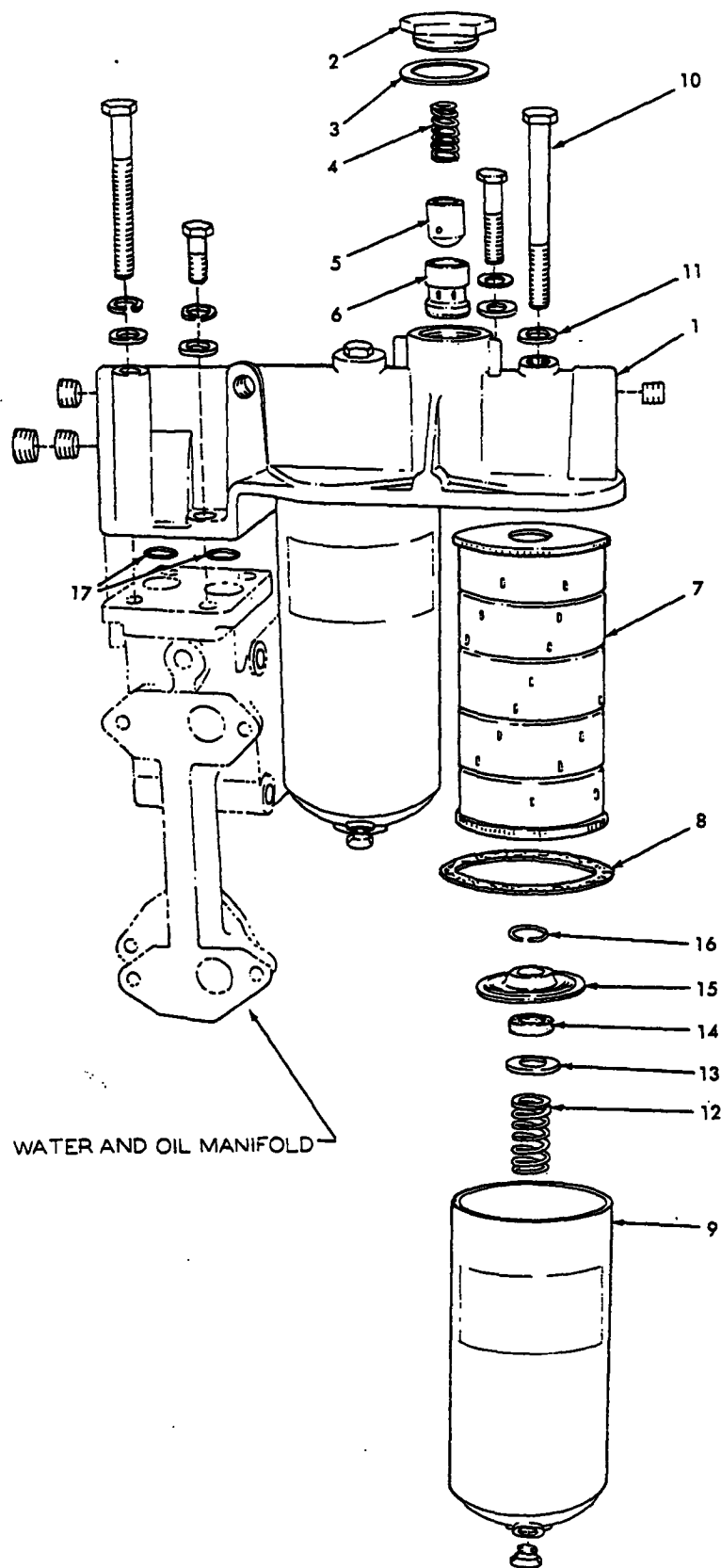


OIL PUMP ASSEMBLY

T-77474

USAGE: Model 6138T engine (See page 30)

ITEM	PART NO.	QTY.	DESCRIPTION
-	74396860	1	PUMP ASSY. (Includes items 1 thru 10)
1	74396854	2	BODY ASSY. (Includes item 2)
	70920594	6	CAPSCREW, 7/16"NF x 2"
	70928211	2	CAPSCREW, 7/16"NF x 3-3/4"
	70907863	8	LOCKWASHER, 7/16"
2	74396899	4	BUSHING (Includes instruction sheet)
3	74396107	1	SHAFT
4	74396108	1	SHAFT
5	74007877	4	GEAR (Replace in pairs)
6	74393349	3	GASKET
7	74396855	1	PLATE ASSY. (Includes item 8)
8	74396899	3	BUSHING (Includes instruction sheet)
9	74396109	1	SHAFT
10	74394667	1	GEAR, spur



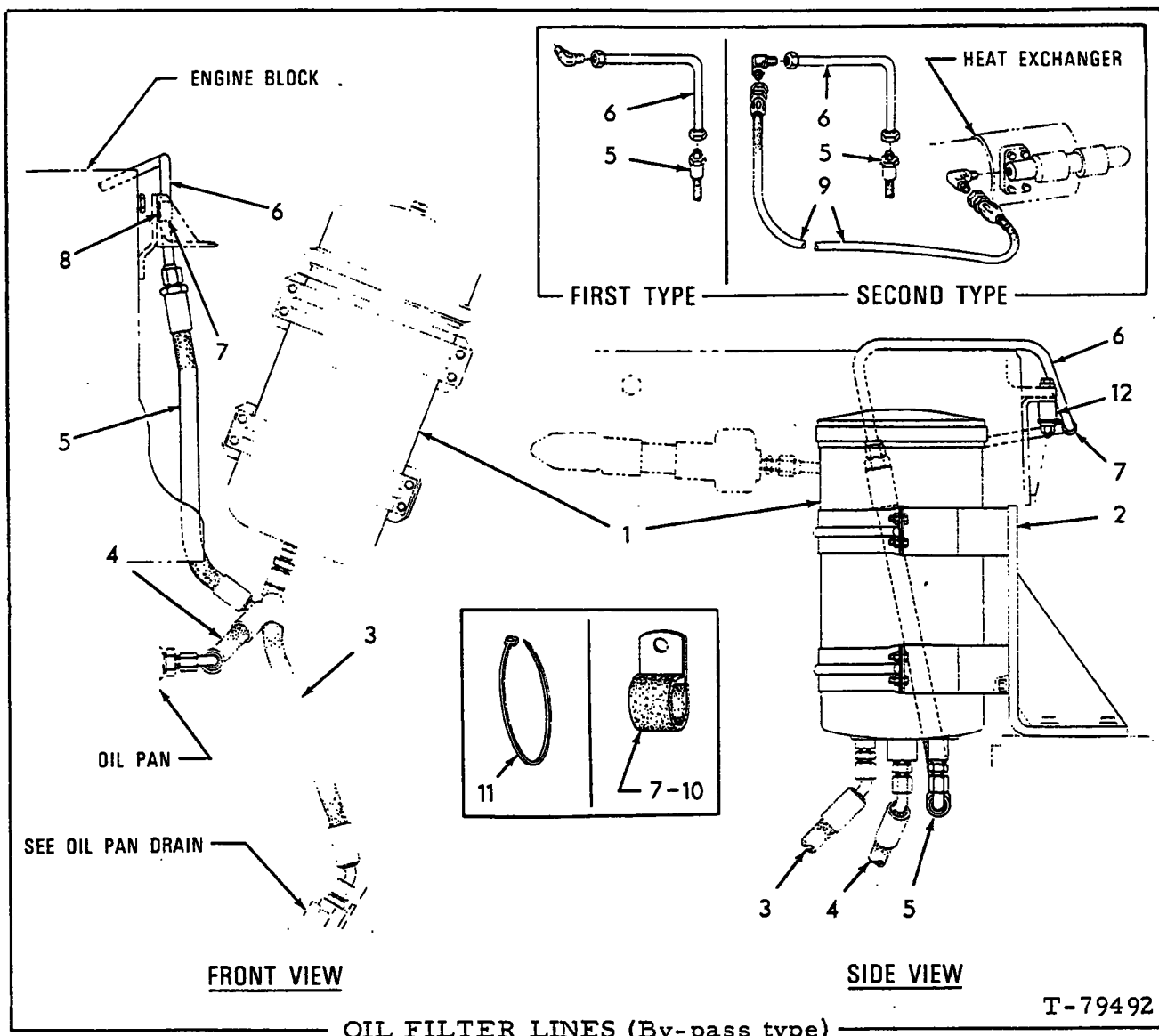
OIL FILTER (Full-flow type)

T-70444

OIL FILTER
(Full-flow type)

ITEM	PART NO.	QTY.	DESCRIPTION
1	74395610	1	HEAD ASSY. (Includes PLUGS indented below)
	70918888	3	PLUG, pipe, hex-socket, 1"NPT
	70918697	1	PLUG, pipe, hex-socket, 1-1/4"NPT
	70915987	3	CAPSCREW, 1/2"NC x 1-1/2"
	70916317	2	CAPSCREW, 1/2"NC x 2-3/4"
	70916323	2	CAPSCREW, 1/2"NC x 5-1/2"
	70912333	6	WASHER
	70904208	6	LOCKWASHER, 1/2"
2	74388810	1	CAP
3	74388848	1	GASKET
4	74359656	1	SPRING
5	74373613	1	PISTON
6	74388809	1	SLEEVE
7	74395889	2	ELEMENT KIT (Includes item 8)
8	74396318	2	GASKET
9	74339021	2	BODY
	70918951	2	PLUG, pipe, hex-hd., 3/8" NPT
10	70916324	2	CAPSCREW, 1/2"NC x 6"
11	74376749	2	WASHER
12	74379268	2	SPRING
13	74053410	2	WASHER
14	74053409	2	SEAL
15	74055971	2	ADAPTOR
16	74379269	2	RING
17	74255631	2	O-RING

NOTE: See PAINTING AND MARKING for transfers



OIL FILTER LINES (By-pass type)

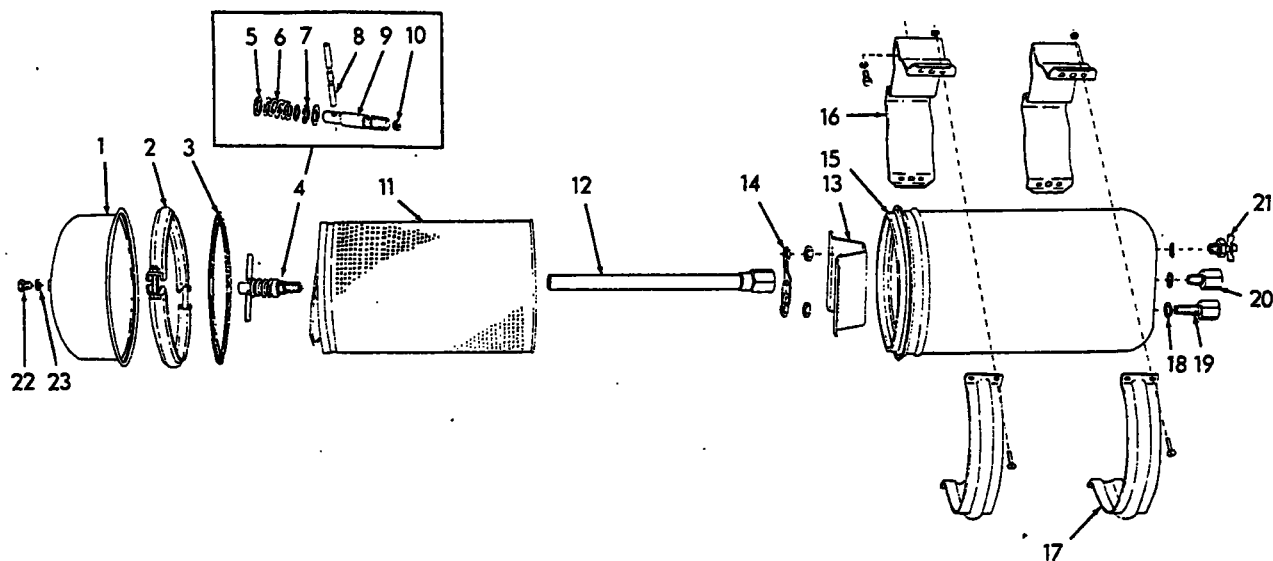
USAGE: Supplements engine mounted full flow filter

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	FILTER ASSY. (See page 39)
	70927612	8	CAPSCREW, 5/16"NC x 5/8"
	70910286	8	LOCKWASHER, 5/16"
2	70690990	1	BRACKET
	70920583	4	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	4	WASHER
3	70690995	1	HOSE (See HOSE PARTS)
	70914376	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT female (Used only with "Luber-Finer" design filter)
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
	70921409	1	CONNECTOR, flare type, 1/2" tube, 3/4"NF male (Includes O-RING)
	70921349	1	O-RING

(Continued)

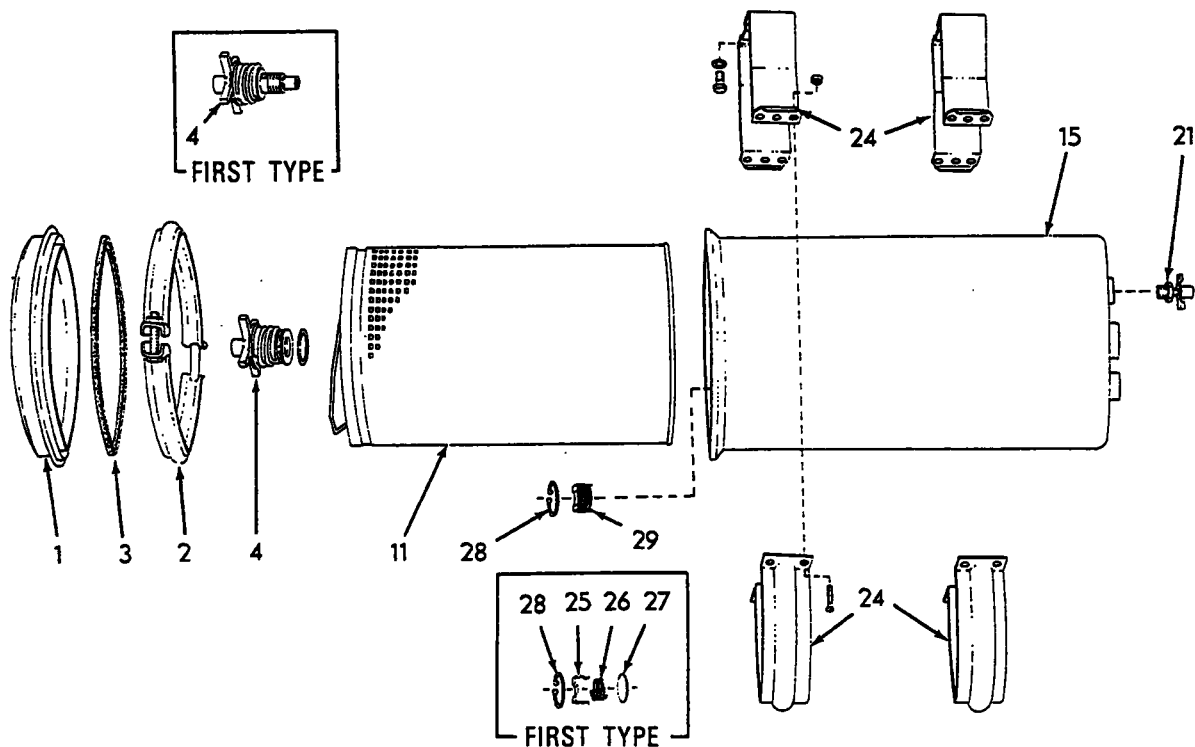
OIL FILTER LINES (By-pass type)(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	70690998	1	HOSE(See HOSE PARTS)
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	70921466	1	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
5	70691007	1	HOSE(See HOSE PARTS)(Tractors prior to unit #21812)
	73121589	1	HOSE(See HOSE PARTS)(Tractors unit #21812 and up)
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
6	70691024	1	TUBE ASSY. (Tractors prior to unit #21426)
	73110609	1	TUBE ASSY. (Tractors unit #21426 thru #21811)
	73121590	1	TUBE ASSY. (Tractors unit #21812 and up)
	70919272	1	ELBOW, flare type, 90°, 1/2" tube, 3/4"NPT male(Tractors prior to unit #21238)
	70919195	1	ELBOW, flare type, 90°, 1/2" tube, 1/2"NPT male(Tractor unit #21238 thru 21260)
	70921364	1	ELBOW, flare type, 90°, 1/2" tube, 3/4" str. thrd. (Tractor unit #21261 thru #21425)
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male(Tractor unit #21426 and up)
7	70926707	2	CLAMP(One less used on tractors prior to unit #21426)
	70927218	1	CAPSCREW, 3/8"NC x 2-3/4"
	70677006	2	WASHER
	70911026	1	NUT, 3/8"NC
8	70690932	1	SPACER(Tractors prior to unit #21812)
	70928460	1	WASHER (Tractors unit #21812 and up)
9	73110376	1	HOSE (See HOSE PARTS)
	70919206	1	ELBOW, flare type, 90°, 1/2" tube, 3/8"NPT male
10	70928214	1	CLAMP
11	70925442	1	TIE
12	70097413	1	BLOCK (Tractor unit # 21426 and up)



LUBER-FINER DESIGN

T-74660



FLEETGUARD DESIGN

T-76480

OIL FILTER (By-pass type)

OIL FILTER (By-pass type)

USAGE: See page 36

NOTE: This Filter Assembly is available in two designs, "Fleetguard" and "Luber-Finer". Check which is applicable to your unit and order service parts accordingly.

*Luber-Finer Design
**Fleetguard Design

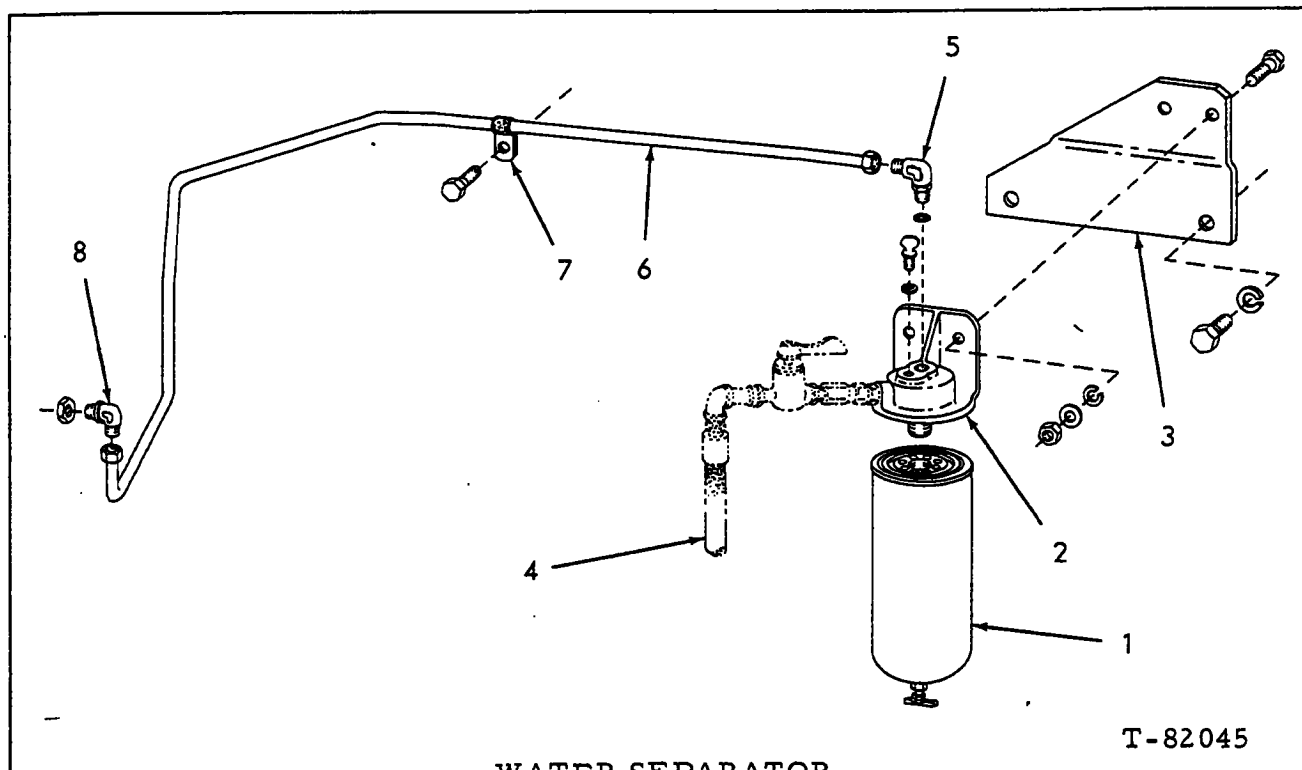
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
-	74390593	1 -	FILTER ASSY. (Includes items 1 thru 23)
-	74390593	- 1	FILTER ASSY. (Includes items 1 thru 4, 11, 15, 21, 24 thru 29)
1	74059262	1 -	COVER
	74059813	- 1	COVER
2	70630540	1 -	RING ASSY. (Includes nut and bolt)
	74059814	- 1	COUPLING ASSY. (Includes hardware, Serviced only as a unit)
3	70082449	1 -	GASKET
	73115065	- 1	GASKET
4	74059266	1 -	HOLD-DOWN ASSY. (Includes items 5 thru 10)
	74060691	- 1	SUPPORT ASSY. (Male thread post)(First type)
	74061788	- 1	SUPPORT ASSY. (Female thread post)(Second type)
<u>NOTE:</u> Item 4 (Each includes O-RING. Serviced only as a unit)			
5	70082489	3 -	WASHER
6	70082490	1 -	SPRING
7	70082487	1 -	SEAL
8	70082488	1 -	HANDLE
9	-----	1 -	STUD (Not serviced separately)
10	74059265	1 -	PLUG
11	74059343	1 1	ELEMENT
12	74059264	1 -	TUBE ASSY. (Includes nut)
13	70096816	1 -	SUPPORT
	70911049	2 -	NUT, jam, 3/8"NF
14	70096815	1 -	RETAINER
15	-----	1 -	HOUSING (Not serviced separately)
	-----	- 1	SHELL (Female thread post)(First type)(For initial replacement order Shell 74061785 and Support Assy. 74061788)
	74061785	- 1	SHELL (Male thread post)(Second type)
16	70082444	2 -	BRACKET
17	70082443	2 -	BAND
	70915406	8 -	CAPSCREW, 1/4"NC x 3/4"
	70911024	8 -	NUT, 1/4"NC
18	70063891	3 -	GASKET
19	70063890	1 -	VALVE ASSY. (Includes 1 Spring, 1 Ring, 1 Cup. Serviced only as a unit)
20	70080758	1 -	VALVE ASSY. (Includes 1 Spring, 1 Ring, 1 Cup. Serviced only as a unit)

(Continued)

OIL FILTER (By-pass type)(Continued)

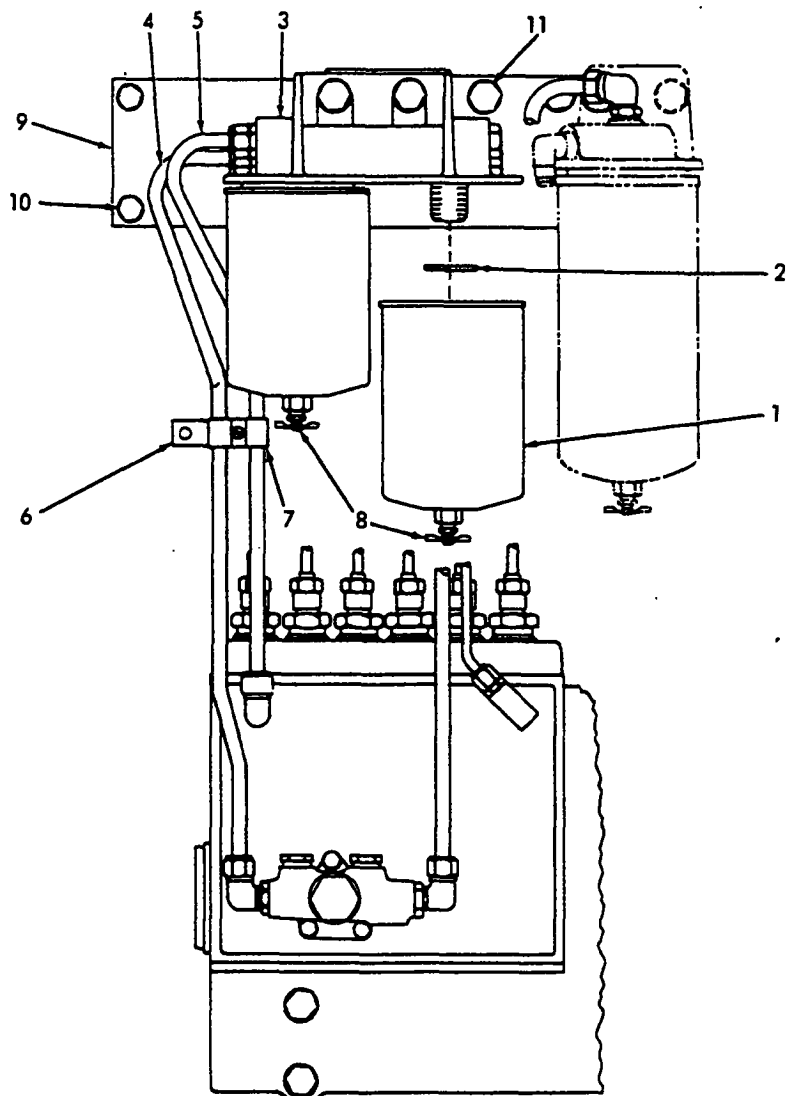
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
21	74060755	1 -	COCK
	70229210	- 1	COCK
22	70084897	1 -	PLUG
23	70084899	1 -	WASHER
24	74061786	- 1	BRACKET ASSY. (2-piece, includes hardware. Serviced only as a unit)
25	74059810	- 1	CAGE
26	74059811	- 1	SPRING
27	74059812	- 1	DISC
28	74253555	- 1	RING
29	74061789	- 1	VALVE, check

First type. Order item 29



*Engines prior to S/N 14-01260
 **Engines S/N 14-01260 and up

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	74394407	1 1	FILTER ASSY.
2	74395419	1 1	BASE ASSY. (Includes insert)
	74006998	1 1	SCREW, thumb
	74254873	1 1	WASHER
	70916254	2 -	CAPSCREW, 7/16"NC x 1"
	70916191	- 2	CAPSCREW, 7/16"NC x 1-1/2"
	70914678	2 2	LOCKWASHER, 7/16"
	70912298	2 -	WASHER
	70914498	- 2	WASHER
	70912201	- 2	NUT, 7/16"NC
3	74394405	- 1	BRACKET
	70931244	- 2	CAPSCREW, Nylok, 1/2"NC x 1-1/4"
	70912441	- 2	LOCKWASHER, 1/2"
4	-----	1 1	HOSE (See page 44)
5	74023721	1 1	ELBOW (Includes O-Ring)
	70921885	1 1	O-RING
6	74395035	1 -	TUBE
	74395537	- 1	TUBE
	70917807	2 2	SLEEVE, Imperial, 3/8" tube
	70917810	2 2	NUT, Imperial, 3/8" tube
7	70932860	- 1	CLAMP
	70921865	- 1	CAPSCREW, Nylok, 1/2"NC x 1"
8	70920280	1 1	ELBOW, 3/8" tube, 1/4"NPT
	70930349	1 1	NUT, locking, 1/4"



T-79495

FUEL FILTER

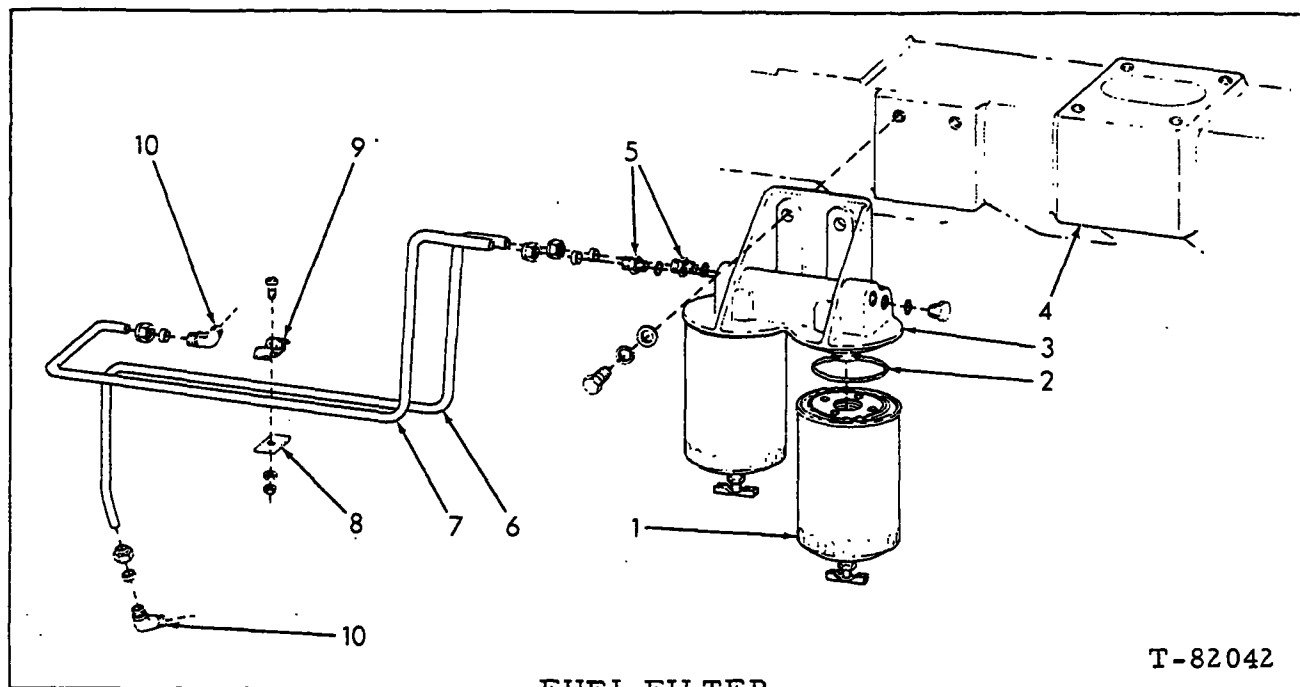
USAGE: Engines prior to S/N 14-01260.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74394335	2	ELEMENT, filter (Includes item 2)
2	-----	2	O-RING (Not serviced)
3	74393077	1	BASE ASSY., filter (Includes Inserts not serviced separately)
	70922577	2	PLUG, hex-hd., 3/8" tube, 9/16" str. thd. (Includes O-RING)
	70921885	2	O-RING
	70916311	2	CAPSCREW, 1/2" NC x 1-1/4"
	70912441	2	LOCKWASHER, 1/2"
	70912007	2	WASHER

(Continued)

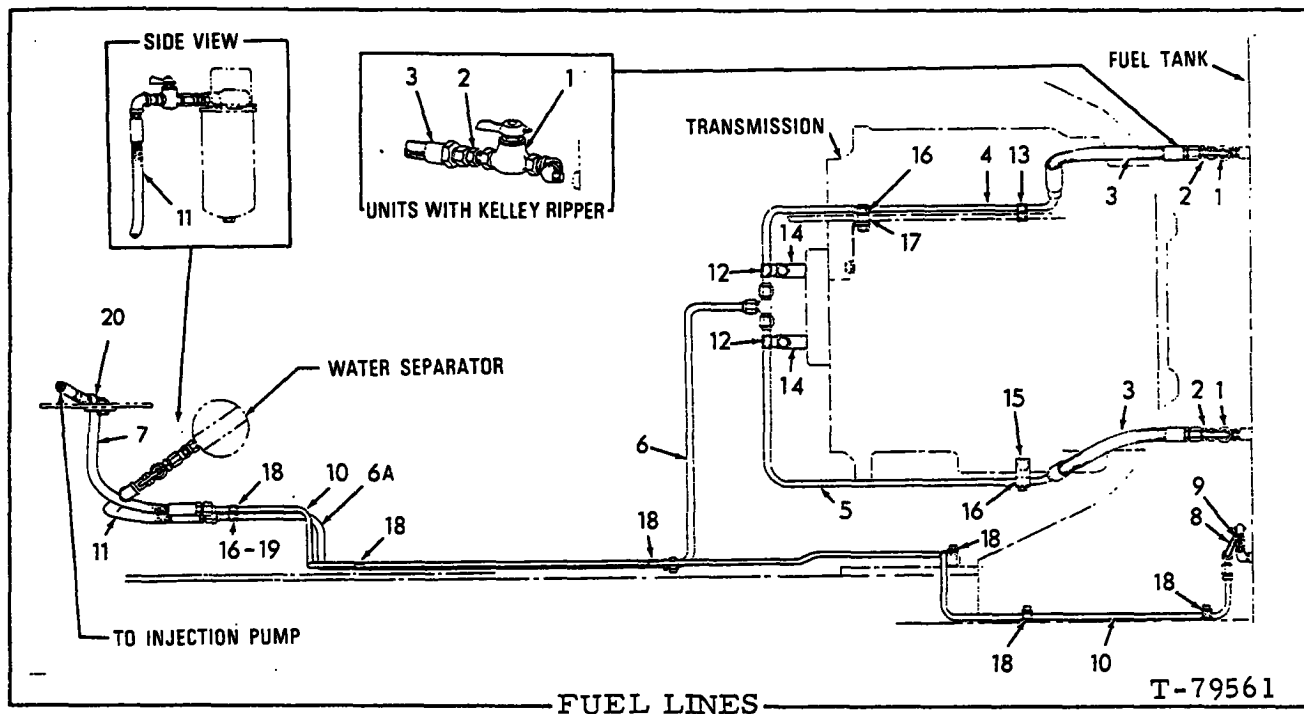
FUEL FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	74394755	1	TUBE
	70917810	1	NUT, Imperial, 3/8" tube
	70917807	1	SLEEVE, Imperial, 3/8" tube (rubber)
	70920280	1	ELBOW, Imperial, 3/8" tube, 1/4" NPT (at transfer pump)
	74359776	1	CONNECTOR (Includes O-RING)
	70921885	1	O-RING
5	74394756	1	TUBE
	70917810	2	NUT, Imperial, 3/8" tube
	70917807	2	SLEEVE, Imperial, 3/8" tube (rubber)
	70920280	1	ELBOW, Imperial, 3/8" tube, 1/4" NPT (at fuel pump)
	74359776	1	CONNECTOR (Includes O-RING)
	70921885	1	O-RING
6	74393090	1	SUPPORT
7	74361829	1	CLIP
	70912226	1	SCREW, fil-hd., 1/4" NC x 5/8"
	70904204	1	LOCKWASHER, 1/4"
	70910880	1	NUT, 1/4" NC
8	70915514	2	COCK, drain, 1/8" NPT
9	74395034	1	BRACKET
10	70919224	2	CAPSCREW, 3/8" NC x 1-1/8"
	70910287	2	LOCKWASHER, 3/8"
11	70919230	2	CAPSCREW, 1/2" NC x 1-3/8"
	70912441	2	LOCKWASHER, 1/2"



USAGE: Engines S/N 14-01260 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	74394335	2	ELEMENT (Includes item 2)
2	-----	2	O-RING (Not serviced separately)
3	74393077	1	BASE ASSY. (Includes inserts)
	70922577	2	PLUG, hex-hd., 3/8" tube, 9/16" str.thd. (Includes O-Ring)
	70921885	2	O-RING
	70916311	2	CAPSCREW, 1/2"NC x 1-1/4"
	70912441	2	LOCKWASHER, 1/2"
	70912007	2	WASHER
4	-----	1	MANIFOLD, air intake (See page 58)
5	74359776	2	CONNECTOR (Includes O-Ring)
	70921885	2	O-RING
6	74395549	1	TUBE
	70917807	2	SLEEVE, Imperial, 3/8" tube
	70917810	2	NUT, Imperial, 3/8" tube
7	74396063	1	TUBE
	70917807	2	SLEEVE, Imperial, 3/8" tube
	70917810	2	NUT, Imperial, 3/8" tube
8	74393090	1	PLATE
9	74394178	1	CLIP
	70912226	1	SCREW, machine, 1/4"NC x 5/8"
	70904204	1	LOCKWASHER, 1/4"
	70910880	1	NUT, 1/4"NC
10	70920280	2	ELBOW, Imperial, 3/8" tube, 1/4"NPT



ITEM	PART NO.	QTY.	DESCRIPTION
1	70092727	2	COCK, fuel shut-off
	70901723	2	ELBOW, street, 90°, 3/8"NPT (Tractors equipped with "Kelley" Ripper)
2	70919063	2	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
3	70646353	2	HOSE (See HOSE PARTS)
4	73110833	1	TUBE ASSY.
5	70690829	1	TUBE ASSY.
6	70690830	1	TUBE ASSY. (Tractors prior to unit #21242)
	73108121	1	TUBE ASSY. (Tractors unit #21242 and up)
	70921472	1	TEE, union, flare type, 1/2" tube
6A	73108120	1	TUBE ASSY., front (Includes nuts) (Tractors unit #21242 and up)
7	70690924	1	HOSE (See HOSE PARTS)
	70919135	1	ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT male
	73117378	1	HOSE (See HOSE PARTS)
	70927455	1	CONNECTOR, flare type, 3/8" tube, 9/16" str. thd.
8	70690915	1	HOSE (See HOSE PARTS)
	70921852	1	ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT female (Tractors prior to unit #21779)
	70919136	1	ELBOW, flare type, 90°, 3/8" tube, 9/16" str. thd. (Tractors unit #21779 and up)

Each includes nuts

Tractors prior to unit #21812 excluding #21757, 21761 and 21767

Tractors unit #21812 and up including #21757, 21761 and 21767

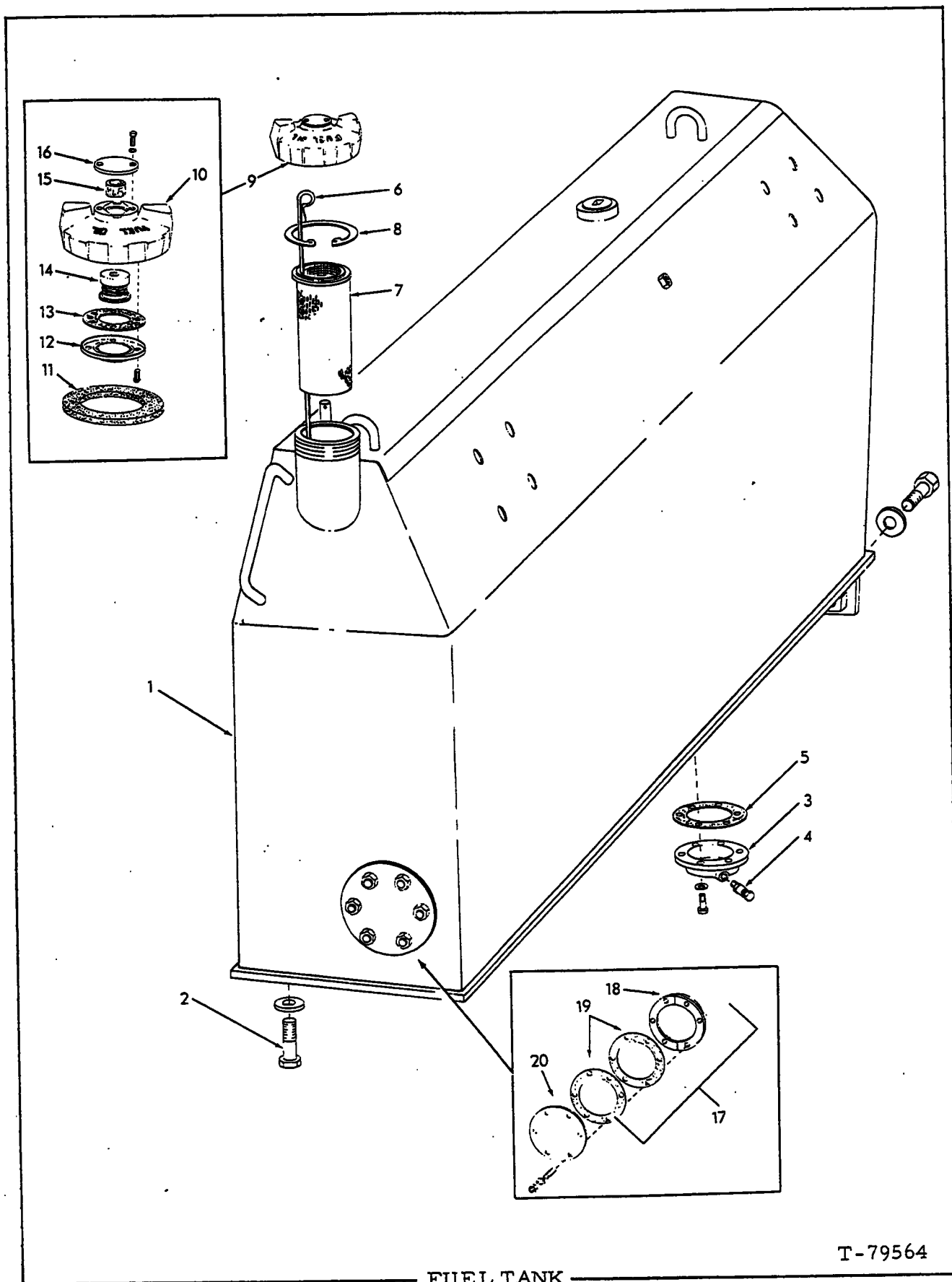
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(Revised July 1980)

FUEL LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
9	70914378	1	VALVE, shut-off(Tractors prior to unit #21779)	
	70901722	1	ELBOW, street, 90°, 1/4"NPT(Tractors unit #21294 thru #21778)	
	70901723	1	ELBOW, street, 90°, 3/8"NPT(Tractors unit #21779 and up)	
10	70690878	1	TUBE ASSY. (Includes nuts)	
11	70696014	1	HOSE (See HOSE PARTS)	} Tractors prior to unit #21326
	70930804	1	ELBOW, adjustable, flare type, 90°, 1/2"tube, 5/8"NPTmale	
	73109031	1	HOSE (See HOSE PARTS)	} Tractors unit #21326 thru #21811 excluding #21757, 21761 and 21767
	70930804	1	ELBOW, adjustable, flare type, 90°, 1/2"tube, 5/8"NPTmale	
	70931922	1	UNION, flare type, 3/4"to 3/8"NPT	
	70092727	1	COCK, shut-off	
	73117379	1	HOSE (See HOSE PARTS)	} Tractors unit #21812 and up including #21757, 21761 and 21767
	70901678	1	ELBOW, pipe, 3/8"NPT	
	70901490	1	NIPPLE, pipe, 3/8"NPTx 1-1/2"	
	70092727	1	COCK, shut-off	
	70931922	1	UNION, flare type, 3/4"to 3/8"NPT	
	70933471	1	CONNECTOR, flare type, 1/2" tube, 9/16" str. thd.	
	70933476	1	O-RING	
12	70624508	2	CLIP	
	70921175	2	CAPSCREW, 1/2"NC x 1	
	70910244	4	WASHER	
	70911028	2	NUT, 1/2"NC	
13	70927102	2	CLIP	
	70927612	1	CAPSCREW, 5/16"NC x 5/8"	
	70911421	2	WASHER	
	70911025	1	NUT, 5/16"NC	
14	70664232	2	BRACKET	
15	70690930	1	BRACKET	
16	70927155	5	CLIP	
	70922300	3	CAPSCREW, 3/8"NC x 3/4"	
	70929156	5	WASHER	
	70922287	1	CAPSCREW, 3/8"NC x 1-3/4"	
	70911026	2	NUT, 3/8"NC	
17	70635132	1	SPACER	
18	70929458	6	CLIP	
	70922300	2	CAPSCREW, 3/8"NC x 3/4"	
	70922763	1	CAPSCREW, 3/8"NC x 1"	
	70921565	1	CAPSCREW, 3/8"NC x 1-1/2"	
	70929156	5	WASHER	
	70911026	1	NUT, 3/8"	
19	70690923	1	SPACER	
20	70927104	1	CLAMP	} Tractors unit #21812 and up
	70920582	1	CAPSCREW, 1/2"NC x 1-1/4"	
	70928460	1	WASHER	
	70911028	1	NUT, 1/2"NC	

(Revised July 1980)

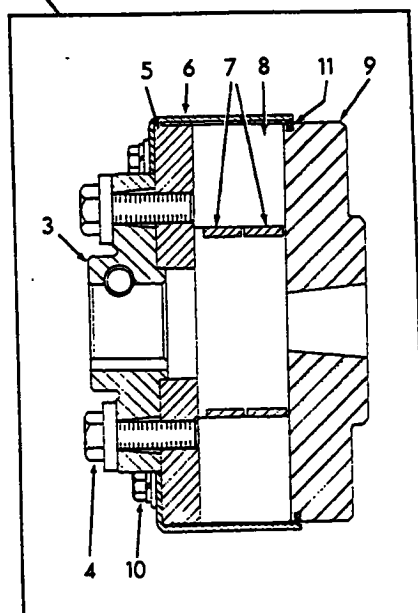
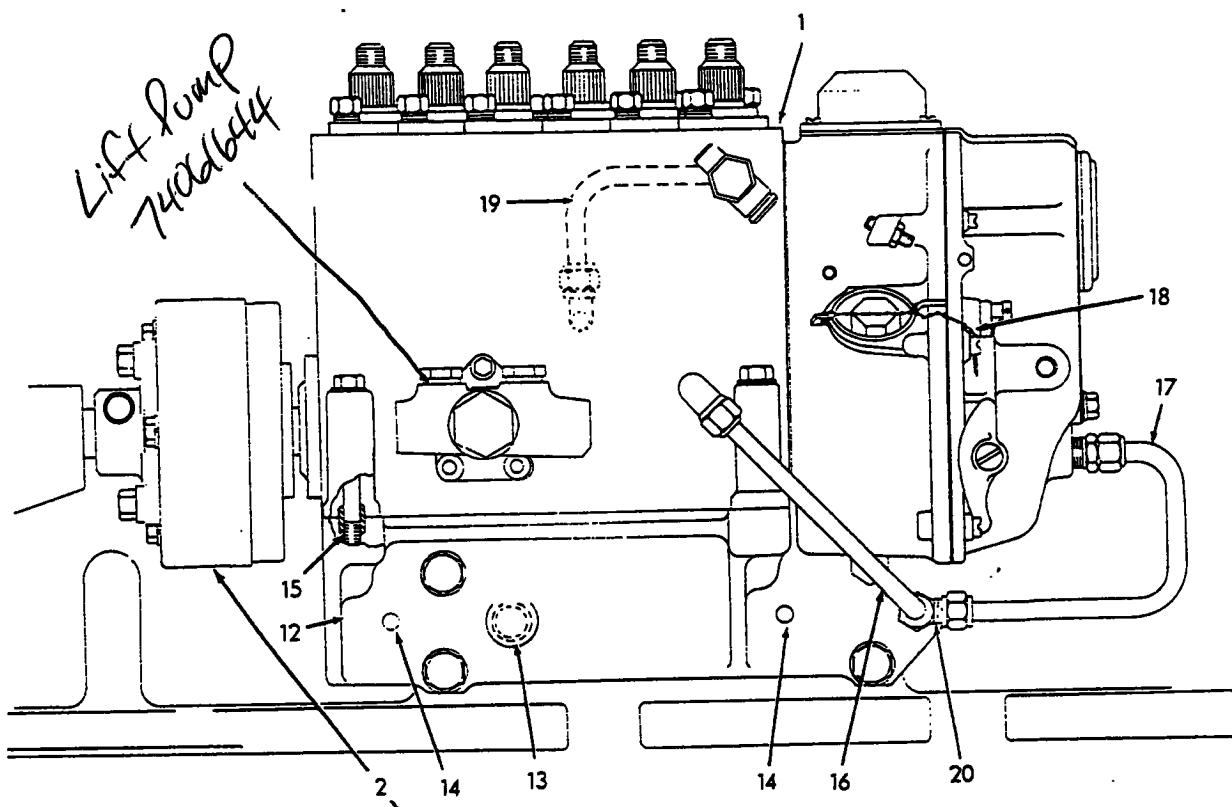


FUEL TANK

T-79564

FUEL TANK

ITEM	PART NO.	QTY.	DESCRIPTION
1	70689446	1	TANK (Tractor prior to #21779)
	73115535	1	TANK (Tractor unit #21779 and up)
	70901669	1	PLUG, pipe, ctsk-socket, 2"NPT (Not used on units equipped for Quick Fueling)
2	70921068	4	CAPSCREW, 3/4"NC x 2-1/4"
	70677012	4	WASHER
	70922789	4	CAPSCREW, 3/4"NC x 3"
	70677012	4	WASHER
3	70695807	1	COVER
	70922262	6	CAPSCREW, 3/8"NC x 7/8"
	70930370	6	WASHER
4	70633519	1	COCK, drain
5	70656227	1	GASKET, drain cover
6	70099469	1	GAUGE, fuel level
7	70650509	1	STRAINER, fuel filler
8	70654840	1	RING, snap, fuel strainer
9	70668252	1	CAP ASSY., fuel tank (Consists of items 10 thru 16)
10	-----	1	CAP (Not serviced separately)
11	70668263	1	GASKET, cap
12	70668806	1	SEAT, relief valve
	70926699	4	SCREW, fil.-hd., brass, #10-24NC x 3/8"
13	70668804	1	GASKET, valve seat
14	70668805	1	VALVE ASSY., relief (Serviced only as a unit)
15	70664867	1	ELEMENT, air filter
16	70668262	1	COVER, tank cap
	70921181	2	SCREW ASSY., #10-24NC x 1/2" (Includes lockwasher)
17	73100014	1	FLANGE ASSY. (Includes items 18 and 19 and hardware indented below)
	70919350	6	SETSCREW, 1/2"NC x 2"
	70904208	6	LOCKWASHER, 1/2"
	70677008	6	WASHER
	70910325	6	NUT, 1/2"NC
18	-----	2	FLANGE (Order item 17)
19	73100021	2	GASKET
20	70683818	1	COVER (Not used on units equipped with Quick Fueling Adapter)



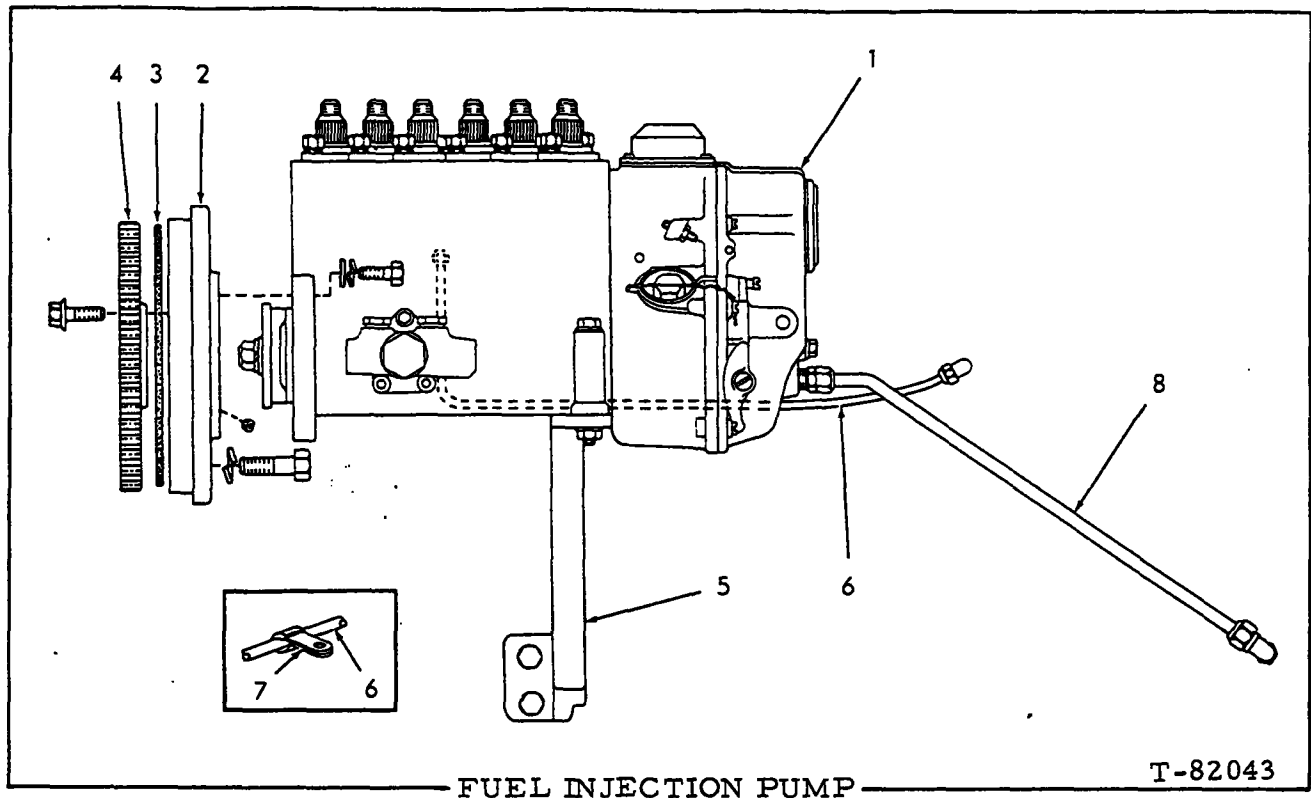
FUEL INJECTION PUMP

T-75868

FUEL INJECTION PUMP

USAGE: 21000MKII engines. See page 49A for second type.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74061637	1	PUMP KIT, injection (Includes item 2)(Service replacement for original factory adjusted PUMP ASSY. 74394741)
	70919015	4	CAPSCREW, 3/8"NC x 3-1/2"
	70904206	4	LOCKWASHER, 3/8"
	70913544	4	WASHER
	70905845	1	KEY, woodruff, 1/4" x 7/8"
2	74394009	1	COUPLING (Includes items 3 thru 11)
3	74394318	1	CLAMP
	70927322	1	CAPSCREW, 3/8"NF x 2" } Clamping
	70910287	1	LOCKWASHER, 3/8" }
4	70921076	2	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	2	WASHER
5	74060643	1	FLANGE
6	74061040	1	COVER
7	74060645	2	INSERT
8	74060646	6	SPIDER (rubber)
9	74061041	1	HUB
10	70915343	3	CAPSCREW, 1/4"NC x 5/8"
	70904204	3	LOCKWASHER, 1/4"
	70911114	3	WASHER
11	74061042	1	SHIELD
12	74394301	1	BRACKET
	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"
13	74255665	2	O-RING
14	74253286	2	PIN, dowel
15	74394302	2	DOWEL
16	74392402	1	TUBE ASSY. (Includes SLEEVES and NUTS)
	70917810	2	NUT, Imperial, 3/8" tube
	70917807	2	SLEEVE, Imperial, 3/8" tube (rubber)
	70920280	1	ELBOW, Imperial, 3/8" tube, 1/4"NPT (at pump)
17	74392439	1	TUBE ASSY. (Includes SLEEVES and NUTS)
	70917810	2	NUT, Imperial, 3/8" tube
	70917807	2	SLEEVE, Imperial, 3/8" tube (rubber)
	70920279	1	CONNECTOR, Imperial, 3/8" tube 1/4"NPT (at governor)
18	74355843	1	SEAL
19	74394306	1	TUBE ASSY. (Includes SLEEVES and NUTS)
	70917810	2	NUT, Imperial, 3/8" tube
	70917807	2	SLEEVE, Imperial, 3/8" tube (rubber)
	70920790	1	ELBOW, Imperial, 3/8" tube, 1/8"NPT (at pump)
	70927139	1	ELBOW, Imperial, 3/8" tube, 1/4"NPT } at block
			female }
	70913112	1	NIPPLE, pipe, hex, 1/4" x 1/4"
20	70921841	1	TEE, service, Imperial, 3/8" tube, 1/4"NPT (at bracket)



USAGE: 6138T engines S/N 14-01260 and up

ITEM PART NO. QTY. DESCRIPTION

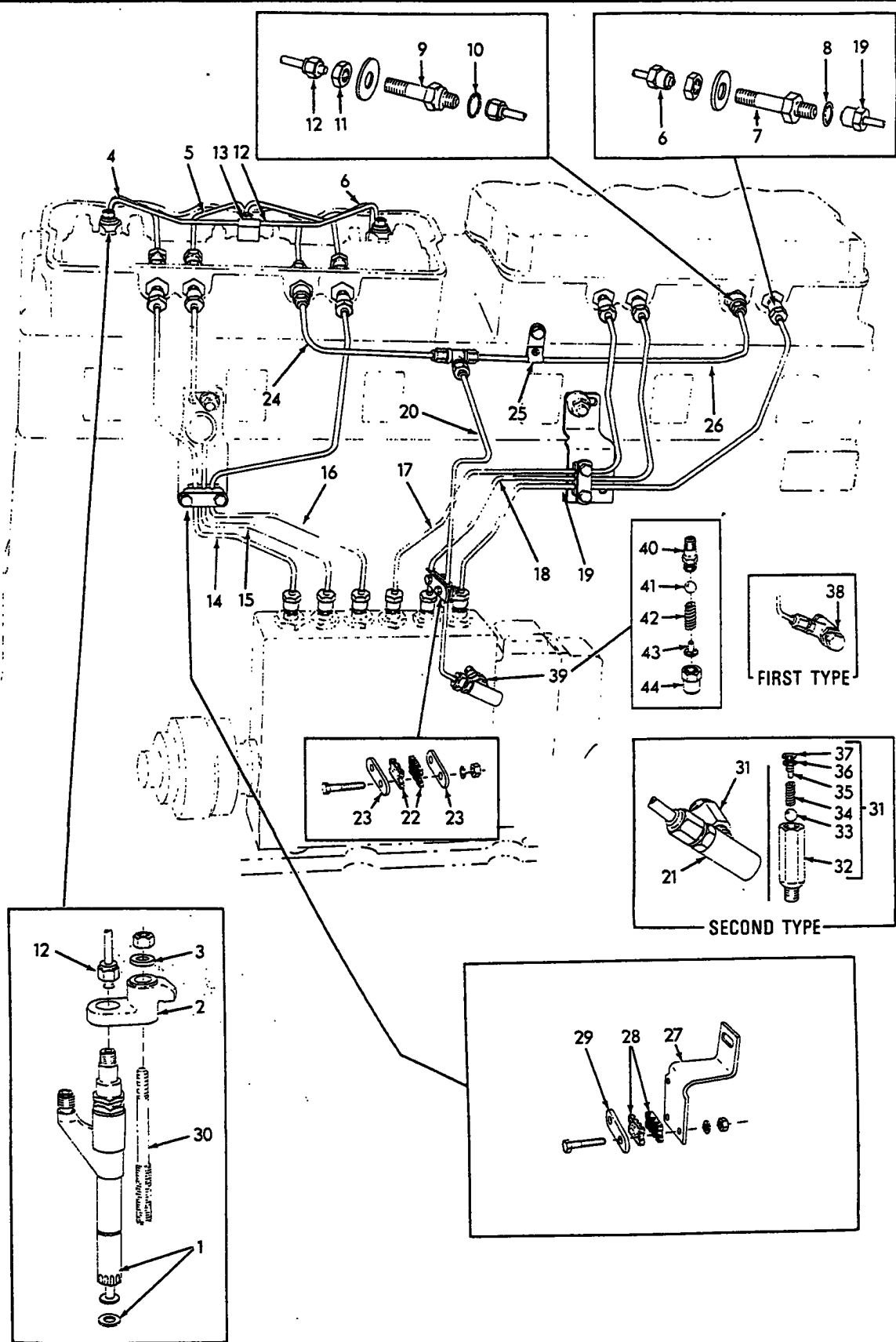
1	74396549	1	PUMP KIT, injection (Service replacement for PUMP ASSY. 74396266 and 74396524)
	70914847	4	CAPSCREW, 3/8"NC x 1-1/2"
	70911115	4	WASHER
	70910287	4	LOCKWASHER, 3/8"
2	74396005	1	PLATE, adapter
	70921076	2	CAPSCREW, 3/8"NC x 1-1/4"
	70930796	1	CAPSCREW, Eslok, 3/8"NC x 1-1/4"
	70910287	3	LOCKWASHER, 3/8"
	70908944	1	PLUG, pipe, ctsk, hex-skt., 1/2"NPT
3	70924142	1	O-RING
4	74395460	1	GEAR
	74255060	3	CAPSCREW
5	74394674	1	BRACKET
	70916276	1	CAPSCREW, 3/8"NC x 4-1/2"
	70919801	1	CAPSCREW, 3/8"NC x 4"
	70911115	2	WASHER
	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8"NC
	70915987	2	CAPSCREW, 1/2"NC x 1-1/2" }
	70912441	2	LOCKWASHER, 1/2" }

at cylinder block

(Continued)

FUEL INJECTION PUMP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	74395976	1	TUBE ASSY. (Oil intake)(Includes SLEEVES and NUTS)
	70917807	2	SLEEVE, Imperial, 3/8" tube
	70917810	2	NUT, Imperial, 3/8" tube
	70921372	1	CONNECTOR, Imperial, 3/8" tube, 1/8" NPT
	70913112	1	NIPPLE, pipe, 1/4" x 1/4"
	70927139	1	ELBOW, Imperial, 3/8" tube, 1/4"NPT
7	70926917	1	CLAMP
8	74395229	1	TUBE (Oil return)
	70917807	2	SLEEVE, Imperial, 3/8" tube
	70917810	2	NUT, Imperial, 3/8" tube
	70920279	1	CONNECTOR, Imperial, 3/8" tube, 1/4"NPT
	70920280	1	ELBOW, Imperial, 3/8" tube, 1/4" NPT



INJECTION NOZZLE LINES

T-75869

INJECTION NOZZLES LINES

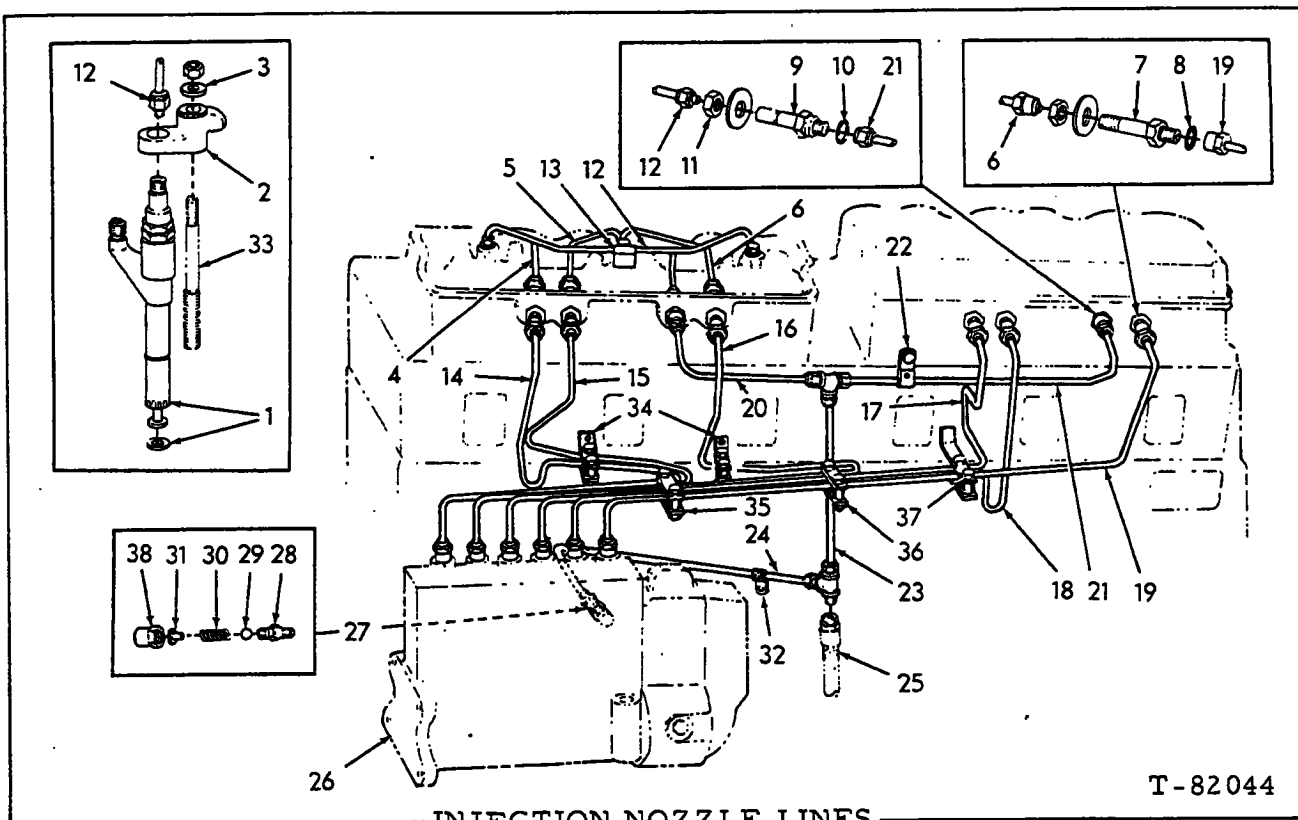
USAGE: Engines prior to S/N 14-01260. See page 52A for second type.

ITEM	PART NO.	QTY.	DESCRIPTION	
1	-----	6	HOLDER ASSY., nozzle (See page 53)	
2	74387385	6	CLAMP	
	74115287	6	NUT, 3/8" NF	
3	74379572	6	WASHER	
4	74390093	2	TUBE ASSY. (#1 and #4 cylinder)	Each includes nuts
5	74390094	2	TUBE ASSY. (#2 and #5 cylinder)	
6	74390095	2	TUBE ASSY. (#3 and #6 cylinder)	
	74386601	1	CONNECTOR	
7	70919303	6	NUT, jam, 9/16" NF	
	70914659	6	WASHER	
8	70923645	6	□ O-RING	
9	74386602	2	CONNECTOR	
10	70923645	2	□ O-RING	
11	74377267	2	NUT	
	70914659	2	WASHER, plain, SAE std., 9/16" (Engine prior to #21-14911)	
	74396053	2	SPACER, 7/32" (Engine #21-14911 and up)	
12	74396020	2	MANIFOLD ASSY. (Includes nuts and sleeves)	Engines prior to #21-15161
	70917809	8	NUT, Imperial, 1/4" tube	
	74255956	8	□ SLEEVE, Imperial, 1/4" tube (Viton-high temp.)	
13	74255179	2	CLIP	
14	74392384	1	TUBE ASSY. (#1 cylinder)	Each includes nuts
15	74392385	1	TUBE ASSY. (#2 cylinder)	
16	74392386	1	TUBE ASSY. (#3 cylinder)	
17	74392387	1	TUBE ASSY. (#4 cylinder)	
18	74392388	1	TUBE ASSY. (#5 cylinder)	
19	74392389	1	TUBE ASSY. (#6 cylinder)	
20	74394976	1	TUBE (Used with items 31 and 39)	
	74394177	1	TUBE (Used with item 38)	
	70917809	2	NUT, Imperial, 1/4" tube	
	74255956	2	SLEEVE, Imperial, 1/4" tube (Viton-high temp.)	
	70919797	1	TEE, Imperial, 1/4" tube	
	70920242	1	CONNECTOR, imperial, 1/4" tube, 1/4" NPT male	
21	70931195	1	TEE, pipe, 1/4" NPT (Used with items 31 and 39)	
22	74507358	2	SPACER	
23	74507415	2	PLATE	
	70918794	2	CAPSCREW, 1/4" NC x 1-3/8"	
	70904204	2	LOCKWASHER, 1/4"	
	70910880	2	NUT, 1/4" NC	
24	74392789	1	TUBE	
	70917809	2	NUT, Imperial, 1/4" tube	
	74255956	2	SLEEVE, Imperial, 1/4" tube (Viton-high temp.)	
25	74386617	1	CLIP	
	70901171	1	SCREW, machine, #10-24 NC x 3/8"	
	70904203	1	LOCKWASHER, #10	
	70901310	1	NUT, #10-24 NC	
	70915408	1	CAPSCREW, 3/8" NC x 3/4"	
	70904206	1	LOCKWASHER, 3/8"	
	70911115	1	WASHER	
26	74392788	1	TUBE	
	70917809	2	NUT, Imperial, 1/4" tube	
	74255956	2	SLEEVE, Imperial, 1/4" tube (Viton-high temp.)	

(Continued)

INJECTION NOZZLE LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
27	74388148	2	BRACKET
28	74507359	4	SPACER
29	74507415	2	PLATE
	70918794	4	CAPSCREW, 1/4"NC x 1-3/8"
	70904204	4	LOCKWASHER, 1/4"
	70910880	4	NUT, 1/4"NC
30	-----	6	STUD (See page 24)
31	-----	1	VALVE ASSY. (Second type)(Consists of items 32 thru 37)(Order item 39)
32	-----	1	BODY (Not serviced separately)
33	74337022	1	BALL
34	74337023	1	SPRING
35	74337019	1	STOP
36	74255017	1	E-RING
37	74255020	1	RING
38	74060154	1	VALVE (First type)
	70919800	1	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
39	74396315	1	VALVE (Third type)(Includes items 40 thru 44)
40	-----	1	BODY (Not serviced separately)
41	74337022	1	BALL
42	-----	1	SPRING (Not serviced)
43	74395855	1	STOP
44	74395935	1	NUT



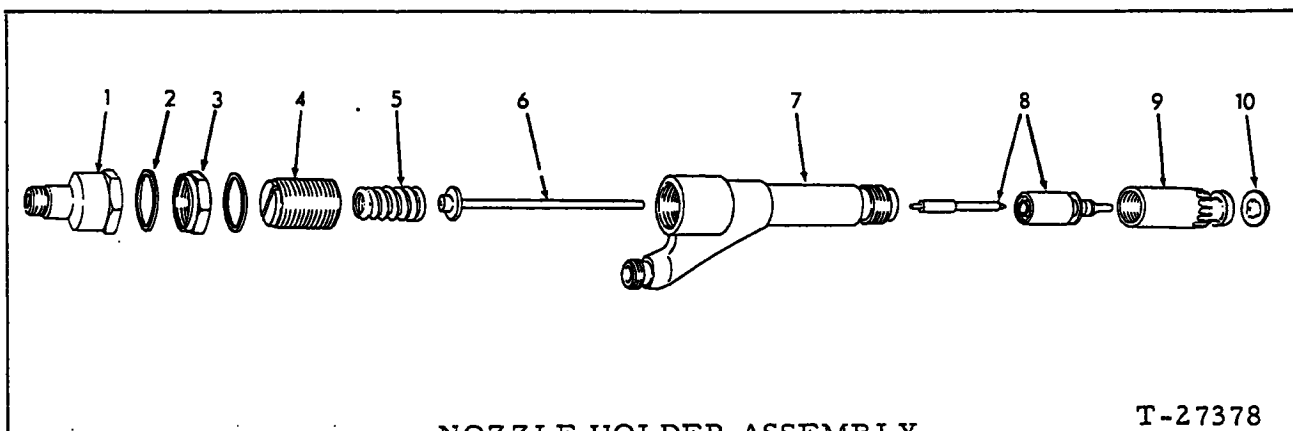
USAGE: Model 6138T engines

ITEM	PART NO.	QTY.	DESCRIPTION	
1	-----	6	HOLDER ASSY., Nozzle (See page 53)	
2	74387385	6	CLAMP	
	74115287	6	NUT, 3/8"NF	
3	74379572	6	WASHER	
4	74390093	2	TUBE ASSY. (#1 and #4 cylinder)	Each includes nuts
5	74390094	2	TUBE ASSY. (#2 and #5 cylinder)	
6	74390095	2	TUBE ASSY. (#3 and #6 cylinder)	
7	74386601	6	CONNECTOR	
	70919303	6	NUT, jam, 9/16"NF	
	70914659	6	WASHER	
8	70923645	6	O-RING	
9	74386602	2	CONNECTOR	
10	70923645	2	O-RING	
11	74377267	2	NUT	
	74396053	2	SPACER	
12	74396020	2	MANIFOLD ASSY. (Includes nuts and sleeves)	
	70917809	8	NUT, Imperial, 1/4" tube	
	74255956	8	SLEEVE, Imperial, 1/4" tube	
13	74255179	2	CLIP	
14	74395541	1	TUBE ASSY. (#1 cylinder)	Each includes nuts
15	74395542	1	TUBE ASSY. (#2 cylinder)	
16	74395543	1	TUBE ASSY. (#3 cylinder)	
17	74396479	1	TUBE ASSY. (#4 cylinder)	
18	74395545	1	TUBE ASSY. (#5 cylinder)	
19	74395546	1	TUBE ASSY. (#6 cylinder)	
			(Continued)	

INJECTION NOZZLE LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
20	74392789	1	TUBE (fuel return, front)
	70917809	2	NUT, Imperial, 1/4" tube
	74255956	2	SLEEVE, Imperial, 1/4" tube
21	74392788	1	TUBE (fuel return, rear)
	70917809	2	NUT, Imperial, 1/4" tube
	74255956	2	SLEEVE, Imperial, 1/4" tube
22	74386617	1	CLIP
	70901171	1	SCREW, machine, #10-24NC x 3/8"
	70904203	1	LOCKWASHER, #10
	70901310	1	NUT, #10-24NC
	70915408	1	CAPSCREW, 3/8"NC x 3/4"
	70910287	1	LOCKWASHER, 3/8"
23	74395227	1	TUBE (fuel return, lower)
	70917809	2	NUT, Imperial, 1/4" tube
	74255956	2	SLEEVE, Imperial, 1/4" tube
	70919797	1	TEE
24	74395690	1	TUBE (pump overflow)
	70917809	2	NUT, Imperial, 1/4" tube
	74255956	2	SLEEVE, Imperial, 1/4" tube
	70921378	1	TEE, Imperial, 1/4" tube, 1/4"NPT
	70920242	1	CONNECTOR, Imperial, 1/4" tube, 1/4"NPT male
25	-----	1	HOSE (See page 44)
26	-----	1	PUMP ASSY., fuel injection (See page 49A)
27	74396752	1	VALVE ASSY., return relief (Includes items 28, 29, 30, 31, and 38)
28	-----	1	BODY (Not serviced separately)
29	74337022	1	BALL
30	74396317	1	SPRING
31	74396754	1	RETAINER
32	74003510	1	CLAMP
33	-----	6	STUD (See page 24)
34	74395878	2	BRACKET
	74507414	2	CLAMP
	74507358	4	SPACER
	70918237	4	CAPSCREW, 1/4"NC x 1-1/4"
	70904204	4	LOCKWASHER, 1/4"
	70910880	4	NUT, 1/4"NC
35	74020725	2	CLAMP
	74020724	2	SPACER
	70918237	2	CAPSCREW, 1/4"NC x 1-1/4"
	70904204	2	LOCKWASHER, 1/4"
	70910880	2	NUT, 1/4"NC
36	74507416	2	CLAMP
	74507360	2	SPACER
	70918237	2	CAPSCREW, 1/4"NC x 1-1/4"
	70904204	2	LOCKWASHER, 1/4"
	70910880	2	NUT, 1/4"NC
37	74396083	1	BRACKET
	74507415	1	CLAMP
	74507359	2	SPACER
	70918237	2	CAPSCREW, 1/4"NC x 1-1/4"
	70904204	2	LOCKWASHER, 1/4"
	70910880	2	NUT, 1/4"NC
38	74395935	1	NUT

(Revised June 1981)

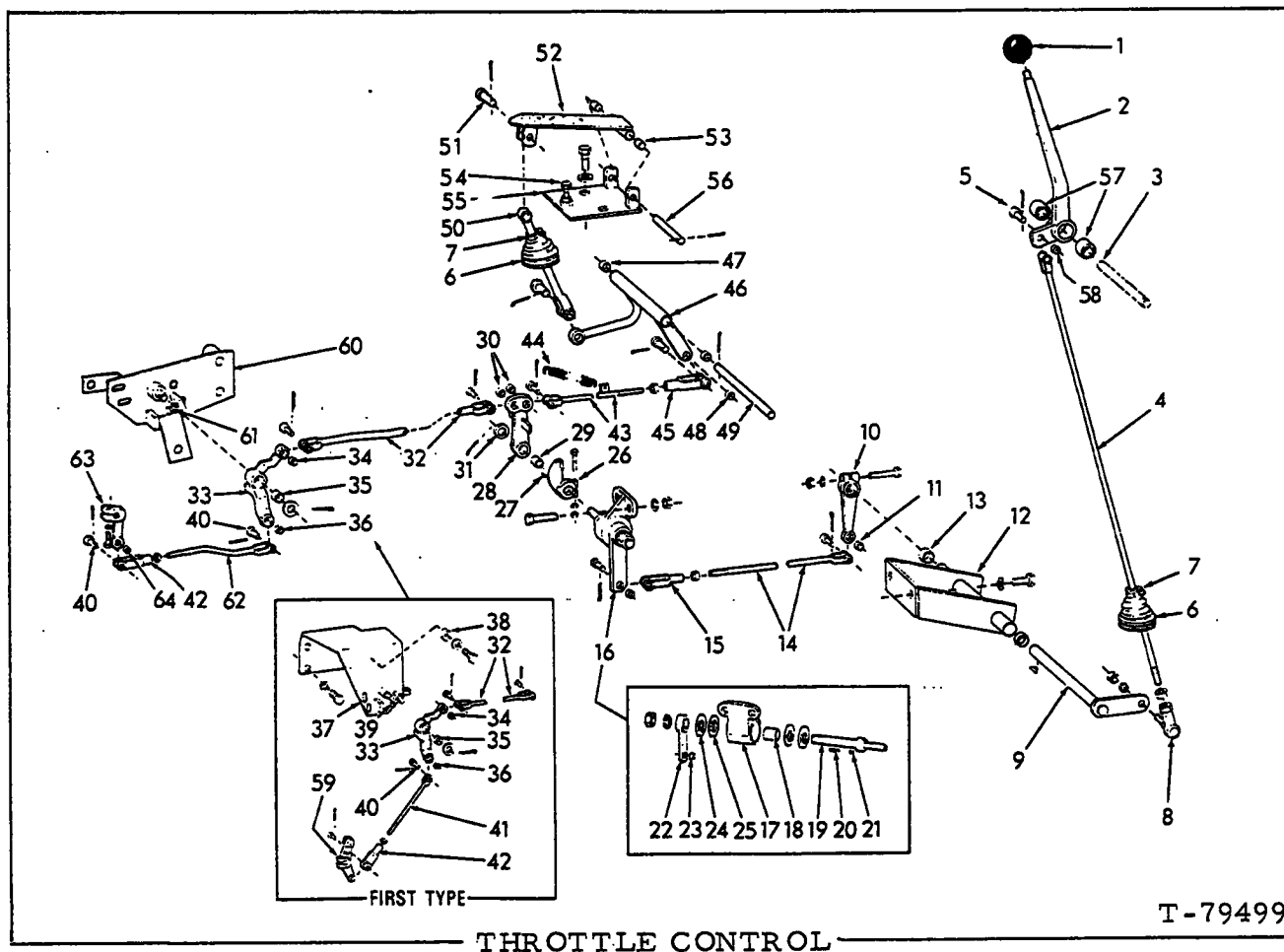


NOZZLE HOLDER ASSEMBLY

T-27378

USAGE: See page 51

ITEM	PART NO.	QTY.	DESCRIPTION
<u>NOTE:</u> Quantities are for one (1) Holder assy. only			
-	74392121	1	HOLDER ASSY. (Not serviced. Order HOLDER ASSY. 74062107 and item 8)(Engines prior to #21-14911)
-	74062107	1	HOLDER ASSY. (Includes items 1 thru 7 and 9)
-	74396059	1	HOLDER ASSY. (Not serviced. Order HOLDER ASSY. 74062107 and item 8)(Engine #21-14911 and up)
1	74396054	1	CAP
2	74511243	2	GASKET
3	74517266	1	NUT, locking
4	74378033	1	SCREW
5	74380652	1	SPRING
6	74391240	1	SPINDLE
7	-----	1	BODY (Not serviced separately)
8	74390006	1	NOZZLE ASSY. (Includes item 10)
9	74392057	1	NUT
10	74378031	1	□GASKET



ITEM	PART NO.	QTY.	DESCRIPTION
1	70090020	1	KNOB
2	70664237	1	LEVER ASSY. (Includes item 57 and 58)
3	-----	1	SHAFT (See page 161)
4	70690701	1	ROD
	70911048	1	NUT, jam. 3/8"NF
5	70078810	7	PIN
	70900942	7	PIN, cotter. 3/32" x 5/8"
6	70078908	2	BOOT
7	70921910	2	CLAMP
8	70653570	1	END, rod
	70910287	1	LOCKWASHER, 3/8"
	70911041	1	NUT. 3/8"NC
9	70690552	1	SHAFT
	70905123	1	KEY, #9 woodruff, 3/16" x 3/4"
10	73108263	1	LEVER ASSY. (Includes item 11)
	70922286	1	CAPSCREW, 5/16"NC x 1-3/4"
	70910286	1	LOCKWASHER, 5/16"
	70911025	1	NUT, 5/16"NC
11	70624584	1	BUSHING

(Continued)

THROTTLE CONTROL (Continued)

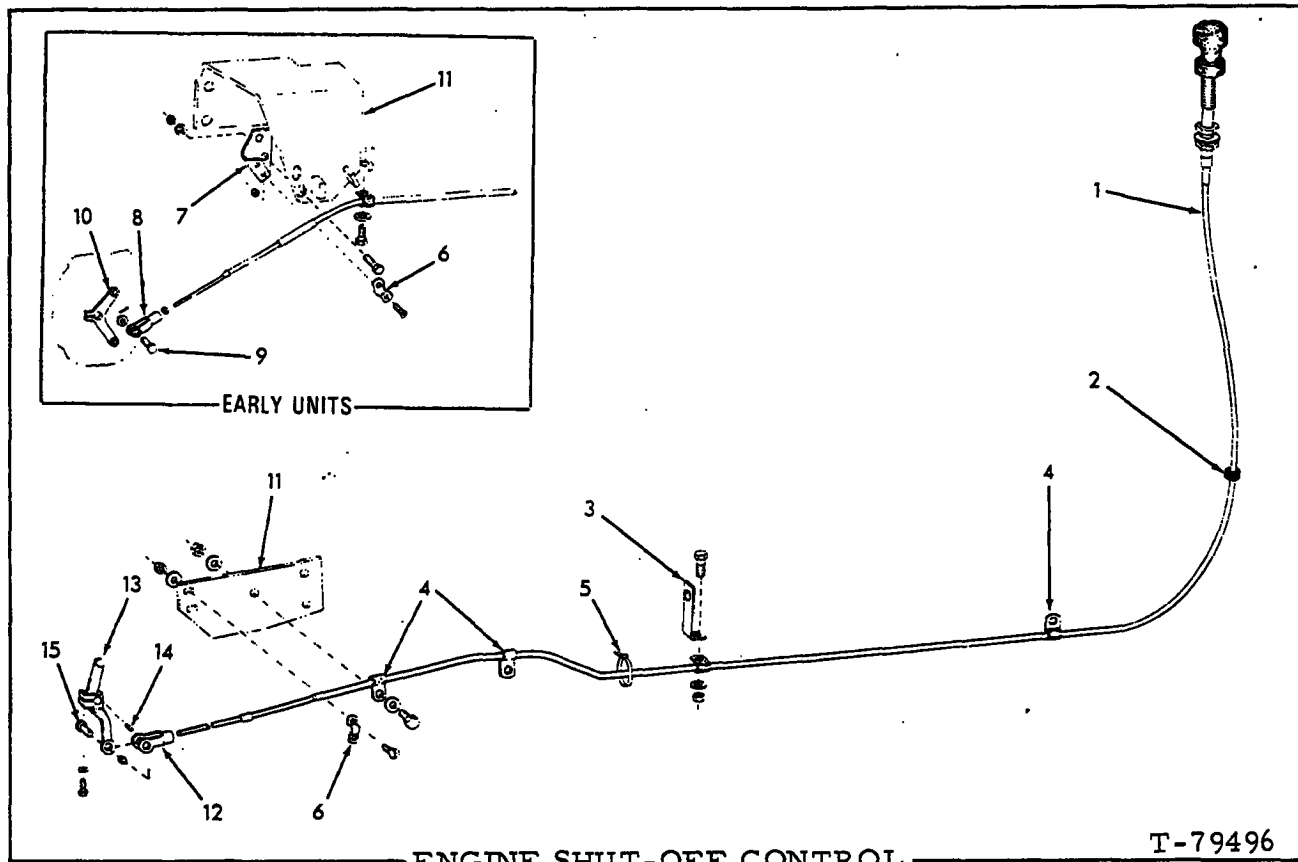
ITEM	PART NO.	QTY.	DESCRIPTION
12	70690560	1	TUBE ASSY. (Tractors prior to unit #21252) (Includes item 13)
	73109377	1	TUBE ASSY. (Tractors unit #21252 and up)(Includes item 13)
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70677006	2	WASHER
13	70697326	2	BUSHING
14	70690681	1	ROD
	70911048	1	NUT, jam, 3/8"NF
15	70628736	1	YOKE
16	70690555	1	FRICTION ASSY. (Includes items 17 thru 25)
17	70632766	1	HOUSING ASSY. (Includes item 18)
	70920585	2	CAPSCREW, 1/2"NC x 1-3/4"
	70677008	2	WASHER
	70911028	2	NUT, 1/2"NC
18	70632752	1	BUSHING
19	70690556	1	SHAFT
	70687222	1	LOCKWASHER
	70916591	1	NUT, elastic stop, 3/4"NF
20	70916024	1	KEY, straight, 3/16" x 3/16" x 1-1/4"
21	70632716	1	KEY
22	70652350	1	LEVER ASSY. (Includes item 23)
23	70624584	1	BUSHING
24	70632710	2	WASHER
25	70632747	2	DISC
26	70633123	1	LEVER
	70920660	1	CAPSCREW, 5/16"NC x 1-1/2"
	70910286	1	LOCKWASHER, 5/16"
	70910323	1	NUT, 5/16"NC
27	70632716	1	KEY
28	70666795	1	LEVER ASSY. (Includes items 29 and 30)
29	70631476	1	BUSHING (large)
30	70624584	2	BUSHING (small)
31	70910244	2	WASHER, plain, SAE std., 1/2"
	70900806	2	PIN, cotter, 1/8" x 1"
32	70690559	1	ROD (Tractors prior to unit #21812 excluding #21757, 21761 and 21767)
	73117380	1	ROD (Tractors unit #21812 and up including #21757, 21761 and 21767)
33	70674774	1	BELLCRANK ASSY. (Includes items 34, 35 and 36)
34	70624584	1	BUSHING, 3/8" long
35	70631476	1	BUSHING, 7/8" long
36	70624585	1	BUSHING, 1/4" long
37	70680894	1	BRACKET
	70928873	2	CAPSCREW, Nylok, 1/2"NC x 1"
	70912441	2	LOCKWASHER, 1/2"
38	70690932	1	SPACER
	70922508	1	CAPSCREW, Nylok, 1/2"NC x 1-1/2"
	70928460	1	WASHER, plain, 1/2"
39	70921565	1	CAPSCREW, throttle stop, 3/8"NC x 1-1/2"
	70911034	1	NUT, jam, 3/8"NC (Continued)

Tractors
prior to
unit #21812
excluding
#21757,
21761 and
21767

THROTTLE CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
40	70628738	2	PIN, yoke
	70900970	2	PIN, cotter, 1/16" x 1/2"
41	70674755	1	ROD (Tractor prior to unit #21812 excluding #21757, 21761 and 21767)
	70910267	1	NUT, jam, 1/4"NF
42	70628737	1	YOKE
43	70690557	1	ROD
	70911048	1	NUT, jam, 3/8"NF
44	70072438	1	SPRING
45	70628736	1	YOKE
46	70690638	1	BELLCRANK ASSY. (Includes items 47 and 48)
47	70063222	2	BUSHING
48	70624584	1	BUSHING
49	70690643	1	SHAFT
	70900808	1	PIN, cotter, 1/8" x 1-1/2"
50	70690680	1	ROD (Units not equipped with a Cab)
	73107980	1	ROD (Units equipped with a Cab)
	70049993	1	PIN
	70900801	1	PIN, cotter, 3/32" x 3/4"
51	70623765	1	PIN
	70900808	1	PIN, cotter, 1/8" x 1-1/2"
52	70690594	1	PEDAL ASSY. (Includes item 53)
53	70063222	2	BUSHING
54	70921556	1	CAPSCREW (Pedal stop) 1/2"NC x 1-3/4"
	70910510	1	NUT, jam, 1/2"NC
55	70690682	1	PLATE
	70921175	2	CAPSCREW, 1/2"NC x 1"
	70677008	2	WASHER
56	70690644	1	SHAFT
	70900808	1	PIN, cotter, 1/8" x 1-1/2"
57	70653319	2	BEARING
58	70624584	1	BEARING
59	74393281	1	LEVER ASSY. (Includes hardware
			indented below)
	70916277	1	CAPSCREW, 5/16"NC x 5/8"
	70904205	1	LOCKWASHER, 5/16"
60	73117283	1	BRACKET
	70929060	2	CAPSCREW, Nylok, 1/2"NC x 3"
	70920582	1	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	3	WASHER
61	70921076	1	CAPSCREW, throttle stop (3/8"NC x 1-1/4")
	70911034	1	NUT, jam, 3/8"NC
62	73116481	1	ROD
	70910267	1	NUT, jam, 1/4"NF
63	73117281	1	LEVER ASSY. (Includes item 64)
	70922925	1	CAPSCREW, 5/16"NC x 3/4"
	70929662	1	WASHER
64	70624585	1	BUSHING

Tractors prior to
unit #21812



ENGINE SHUT-OFF CONTROL

T-79496

*Tractors prior to serial No. 71A21812 excluding #21757, 21761 and 21767

**Tractors serial No. 71A21812 and up including #21757, 21761 and 21767

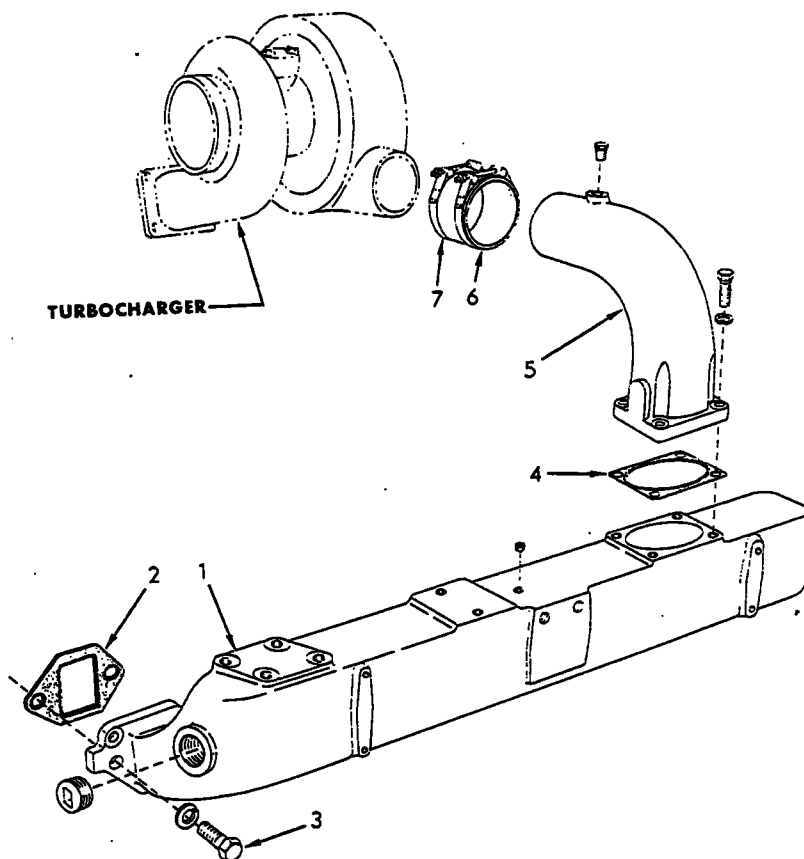
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70680865	1 -	CABLE ASSY. (Tractors prior to unit #21280)
	73110103	1 -	CABLE ASSY. (Tractors unit #21280 and up)
	73117381	- 1	CABLE ASSY.
2	70087855	1 1	GROMMET
3	70690678	1 1	BRACKET
4	70654655	3 4	CLIP
	70922300	2 1	CAPSCREW, 3/8"NC x 3/4"
	70920582	- 1	CAPSCREW, 1/2"NC x 1 1/4"
	70911115	1 1	WASHER
	70900367	1 1	NUT, 3/8"NC
	70928460	- 2	WASHER
	70900369	- 1	NUT, 1/2"NC
5	70239726	1 1	TIE
6	70662427	1 1	CLAMP
	70917388	2 2	SCREW, #10-24NC x 3/4"
	70911982	2 2	WASHER
	70926673	2 2	NUT, #10-24NC
7	70690679	1 -	BRACKET
	70927401	2 -	CAPSCREW, 1/4"NC x 1"
	70677004	2 -	WASHER
	70920329	2 -	NUT, lock, 1/4"NC

Each includes mounting washer and nut

(Continued)

ENGINE SHUT-OFF CONTROL (Continued)

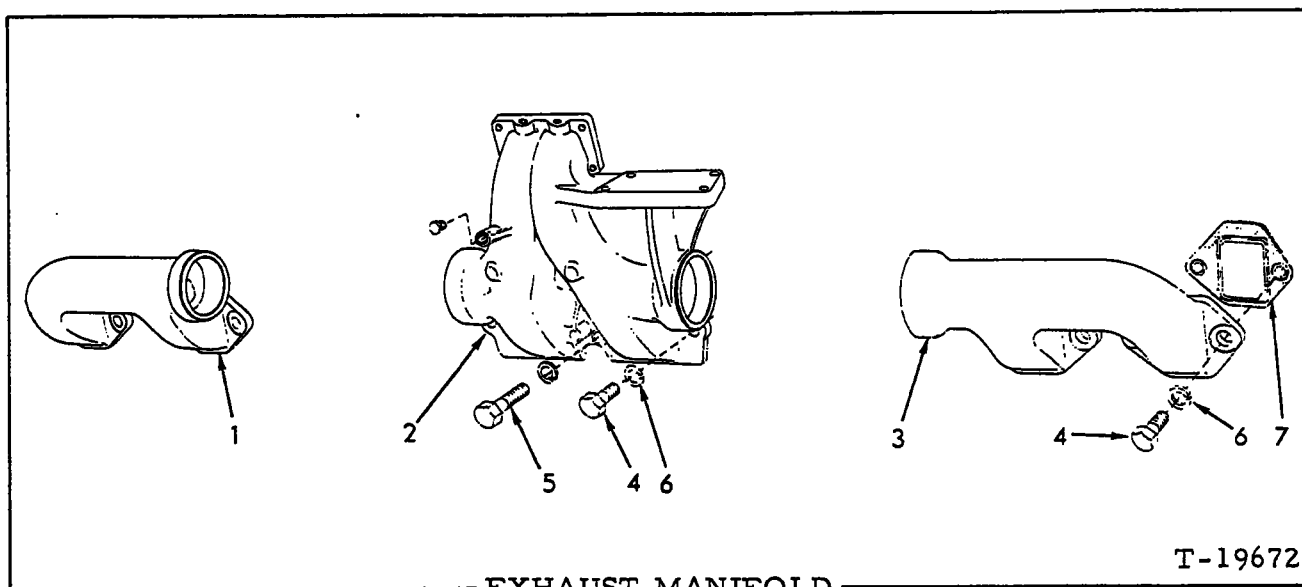
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
8	70196606	1 -	CLEVIS
9	70628738	1 -	PIN
	70900970	1 -	PIN, cotter 1/16" x 1/2"
	70911114	1 -	WASHER
10	74393280	1 -	LEVER ASSY. (Includes hardware indented below)
	70916277	1 -	CAPSCREW, 5/16"NC x 5/8"
	70904205	1 -	LOCKWASHER, 5/16"
11	-----	1 1	BRACKET (See page 54)
12	73117280	- 1	YOKE
13	73117282	- 1	LEVER (Includes BUSHING indented below)
	70624585	- 1	BUSHING
	70922925	- 1	CAPSCREW, 5/16"NC x 3/4"
	70929662	- 1	WASHER
14	73118261	- 1	KEY
15	70628738	- 1	PIN
	70918445	- 1	PIN, cotter, 1/16" x 1/2"



T-75072

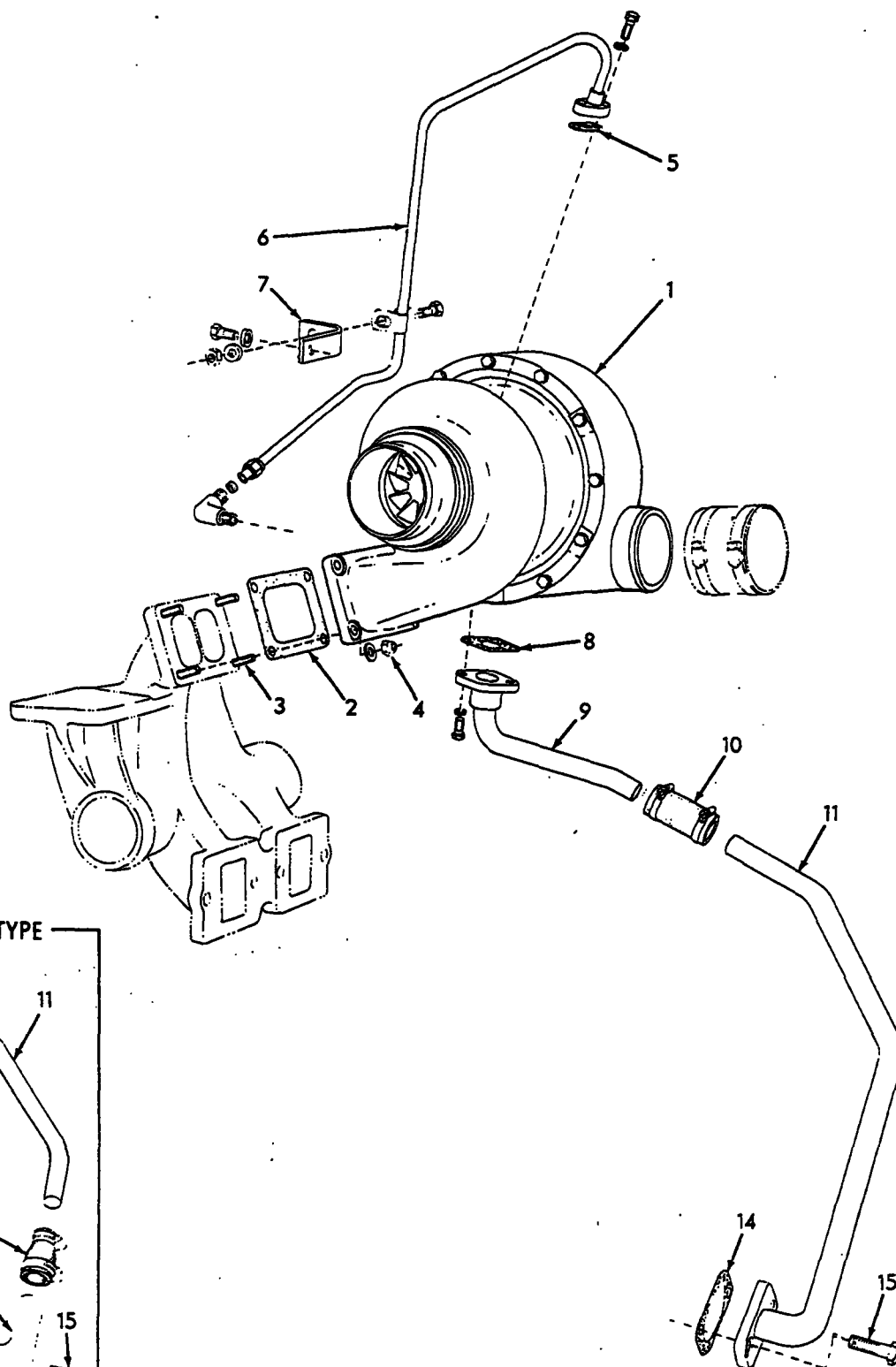
INTAKE MANIFOLD

ITEM	PART NO.	QTY.	DESCRIPTION
1	74393778	1	MANIFOLD, intake
	70901667	1	PLUG, pipe, ctsk-hd., 1-1/4"NPT
	70917673	1	PLUG, pipe, ctsk-hd., 1/8"NPT (Not used when engine primer is installed)
	70919840	1	PLUG, pipe, 1/4"NPT
2	74387697	6	□GASKET
3	74255895	8	CAPSCREW, 1-1/4" long (Used prior to engine #21-14911)
	74255914	8	CAPSCREW, 1-1/2" long (4 less used prior to engine #21-14911)
	74255995	4	CAPSCREW, 1-3/4" long (Engine #21-14911 and up)
	70912441	12	LOCKWASHER, 1/2"
4	74391707	1	□GASKET
5	74393592	1	ELBOW
	70919840	1	PLUG, pipe, hex-hd., 1/4" NPT
	70919230	4	CAPSCREW, 1/2"NC x 1-3/8"
	70912441	4	LOCKWASHER, 1/2"
6	74391131	1	HOSE
7	70929417	2	CLAMP

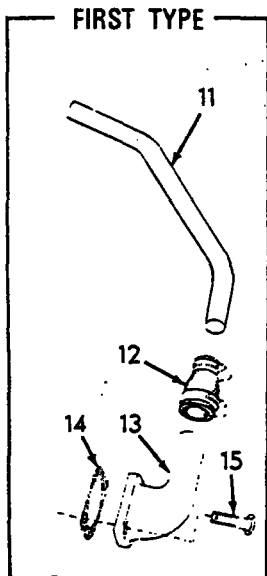


EXHAUST MANIFOLD

ITEM	PART NO.	QTY.	DESCRIPTION
1	74395012	1	MANIFOLD
2	74393548	1	MANIFOLD
	70917425	2	PLUG, pipe, hex-hd., brass, 1/4"NPT
3	74395011	1	MANIFOLD
4	70915987	10	CAPSCREW (1-1/2" long)
5	70916317	2	CAPSCREW (2-3/4" long)
6	70912441	12	LOCKWASHER, 1/2"
7	74387697	6	GASKET



FIRST TYPE



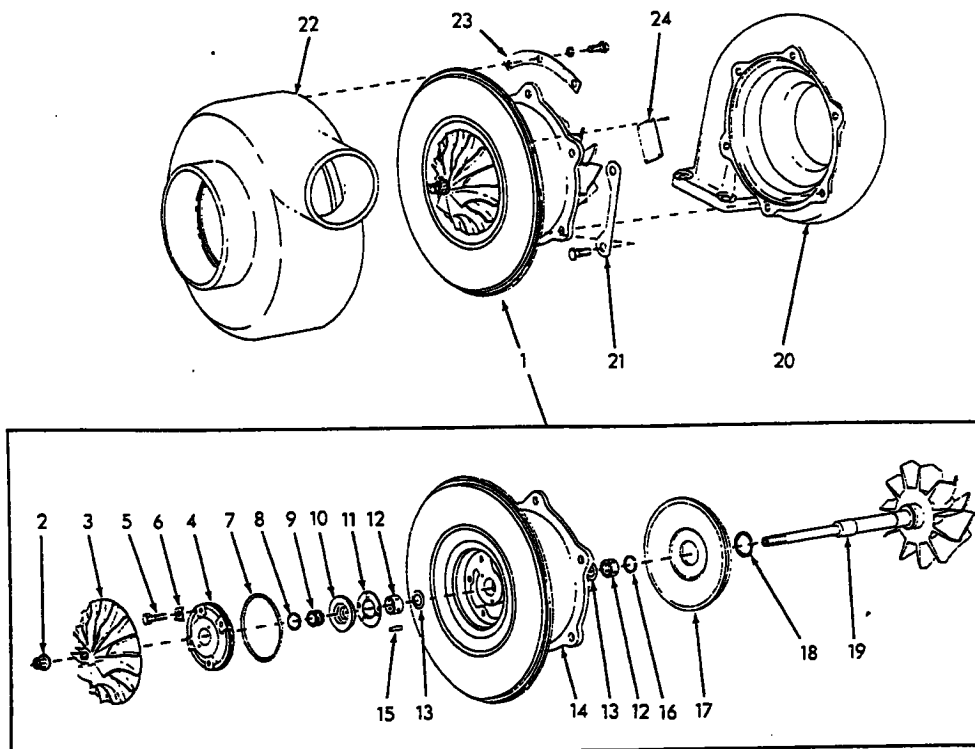
TURBOCHARGER

T-37201

TURBOCHARGER

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	TURBOCHARGER ASSY. (See page 62)
2	74336558	1	GASKET
3	74339535	4	STUD
4	74255977	4	NUT
	70913544	4	WASHER
5	74335647	1	GASKET
6	74391996	1	TUBE ASSY. (Includes Nut and Sleeve indented below)
	70917810	1	NUT, Imperial, 3/8" tube
	70917807	1	SLEEVE, Imperial, 3/8" tube
	70919005	1	ELBOW, Imperial, 90°, 3/8" tube, 3/8"NPT male
	70916269	2	CAPSCREW, 3/8"NC x 7/8"
	70911115	2	WASHER
7	74395193	1	BRACKET
	70930609	1	CLAMP
	70915408	2	CAPSCREW, 3/8"NC x 3/4"
	70911115	2	WASHER
	70677006	1	WASHER
	70910324	1	NUT, 3/8"NC
8	74335649	1	GASKET
9	74395640	1	TUBE
	70916269	2	CAPSCREW, 3/8"NC x 7/8"
	70904206	2	LOCKWASHER, 3/8"
10	74390773	1	HOSE
	70921911	2	CLAMP, 11/16" to 1-1/4" diam.
11	-----	1	TUBE (First type)(Engines prior to S/N 21-14622) (Order TUBE 74394990)
	74394990	1	TUBE (Second type)(Engines S/N 21-14622 and up)
NOTE: Items 12 and 13, First type Engines prior to S/N 21-14622)			
12	74379723	1	ADAPTER, oil drain line
	70921911	1	CLAMP, hose, (11/16" to 1-1/4" diam.)
	70921912	1	CLAMP, hose, (1-1/16" to 2" diam.)
13	-----	1	ELBOW, oil drain line (Order item 11)
14	74310257	1	GASKET, oil drain line elbow
15	70921865	2	CAPSCREW, Nylok, 1/2"NC x 1"
16	74387007	1	GASKET KIT (Consists of items 2, 5, 8 and 14) (Not illustrated)

See
NOTE



TURBOCHARGER ASSEMBLY

T-75467

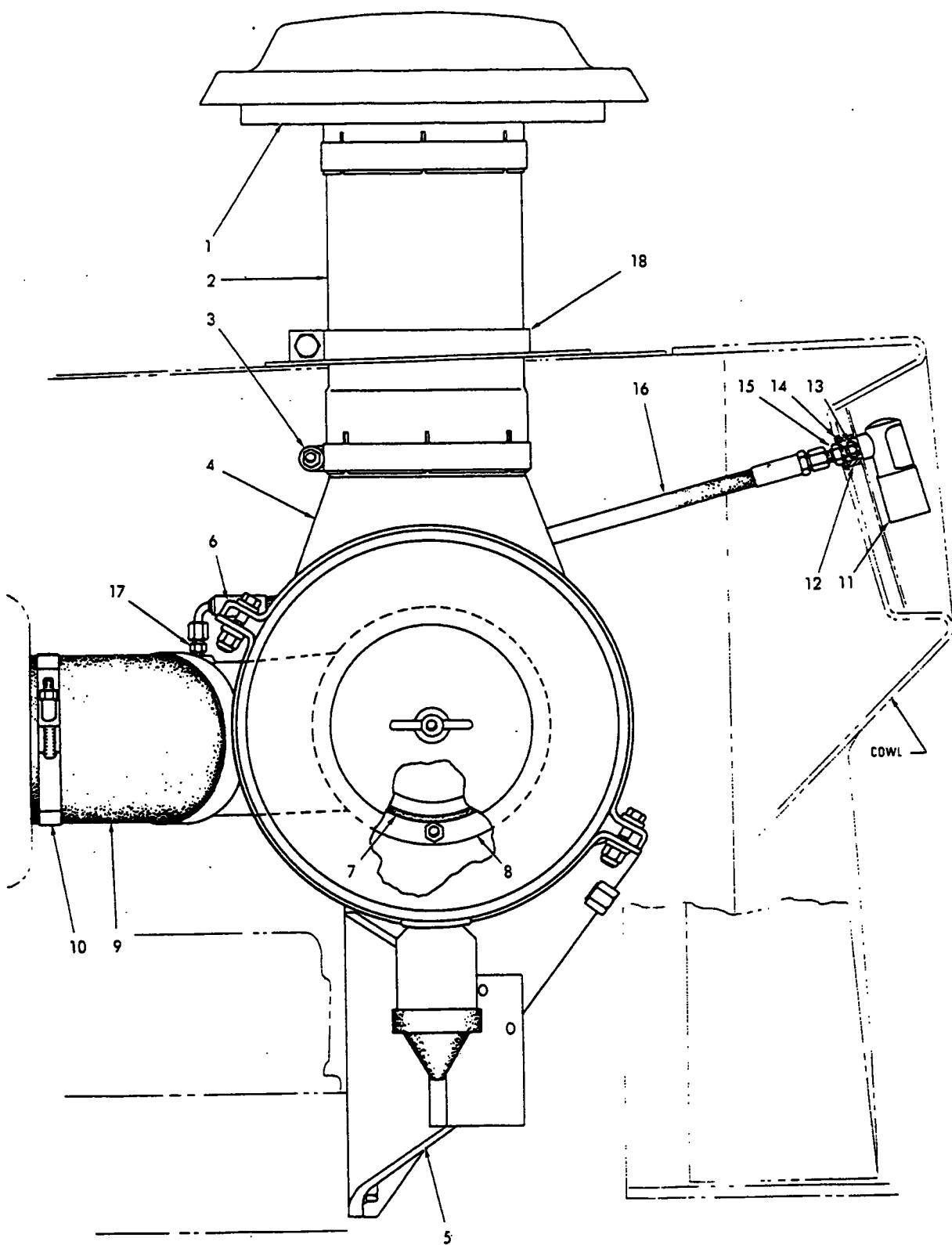
USAGE: See page 61

ITEM	PART NO.	QTY.	DESCRIPTION
-	74394366	1	TURBOCHARGER ASSY. (Includes items 1 thru 24)
1	74061217	1	HOUSING AND ROTATING ASSY. (Includes items 2 thru 19)
2	74055201	1	NUT
3	74061218	1	IMPELLER
4	74055193	1	PLATE ASSY. (Includes riveted washer)
5	74055196	4	CAPSCREW, #10-24NC x 7/8"
6	74055194	4	PLATE, locking
7	74053336	1	O-RING
8	74055195	1	RING
9	74060984	1	SPACER
10	74056494	1	RING
11	74061659	1	BEARING
12	74061213	2	BEARING
13	74061214	2	WASHER
14	74061210	1	HOUSING ASSY. (Includes item 4)
15	74055187	2	PIN, dowel
16	70927771	3	RING, snap
17	74059748	1	SHROUD
18	74061212	1	RING
19	74059744	1	SHAFT AND WHEEL

(Continued)

TURBOCHARGER ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
20	74059747	1	HOUSING
	74056026	6	CAPSCREW, 3/8" NC x 3/4"
21	74055981	3	PLATE, capscrew locking
22	74059018	1	HOUSING ASSY. (Includes venturi)
23	74055203	6	CLAMP
	70903626	12	CAPSCREW, 5/16" NC x 3/4"
	70917356	12	LOCKWASHER, plated, 5/16"
24	74055206	1	PLATE, name
	74049009	4	SCREW, drive



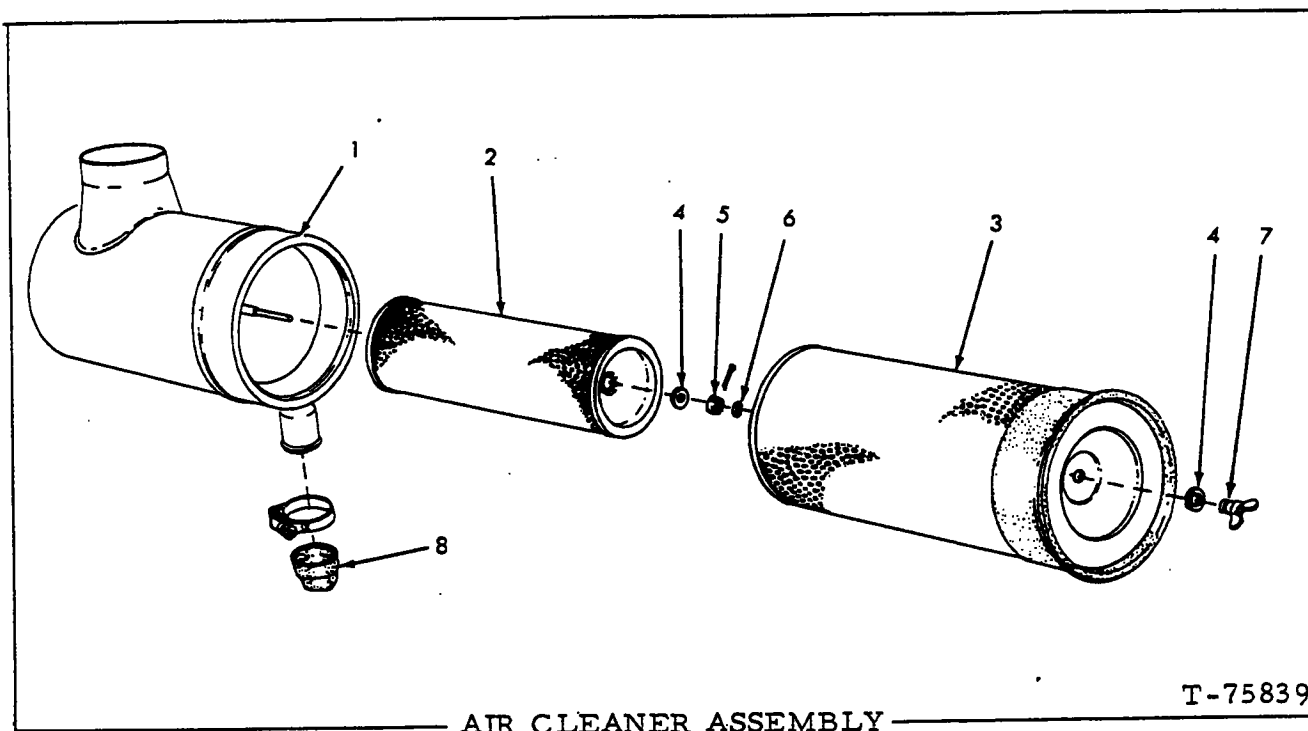
AIR CLEANER

T-79364

AIR CLEANER

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70197576	1	CAP (Includes mounting clamp)	} Not used on units equipped with special Aspirator See page 69
2	70658509	1	TUBE	
3	70658633	1	CLAMP	
	70927339	1	CAPSCREW, 3/8"NF x 3-1/4"	
	70677006	2	WASHER	
	70911041	1	NUT, 3/8"NF	
4	-----	1	CLEANER ASSY. air (See page 66)	
5	70681105	1	BRACKET	
	70920582	3	CAPSCREW, 1/2"NC x 1-1/4"	
	70928178	3	WASHER	
6	70667123	2	BAND	
	70922287	4	CAPSCREW, 3/8"NC x 1-3/4"	
	70677006	8	WASHER	
	70918308	4	NUT, elastic stop, 3/8"NC	
7	70927224	1	O-RING	
8	70681150	1	ELBOW	
	70921076	6	CAPSCREW, 3/8"NC x 1-1/4"	
	70930370	6	WASHER	
	70911026	6	NUT, 3/8"NC	
9	70681152	1	HOSE	
10	70929420	2	CLAMP	
11	70697589	1	INDICATOR (Serviced only as a unit)	
12	70694000	1	SPACER	
13	70676586	1	UNION	
14	70906985	1	WASHER	
15	70922471	1	NUT, 7/16"NF	
16	70646931	1	HOSE (See HOSE PARTS)	
17	70631769	1	FITTING	
18	70692340	1	COLLAR ASSY. (Includes clamping hardware)(Not used on units equipped with special aspirator. See page 69)	

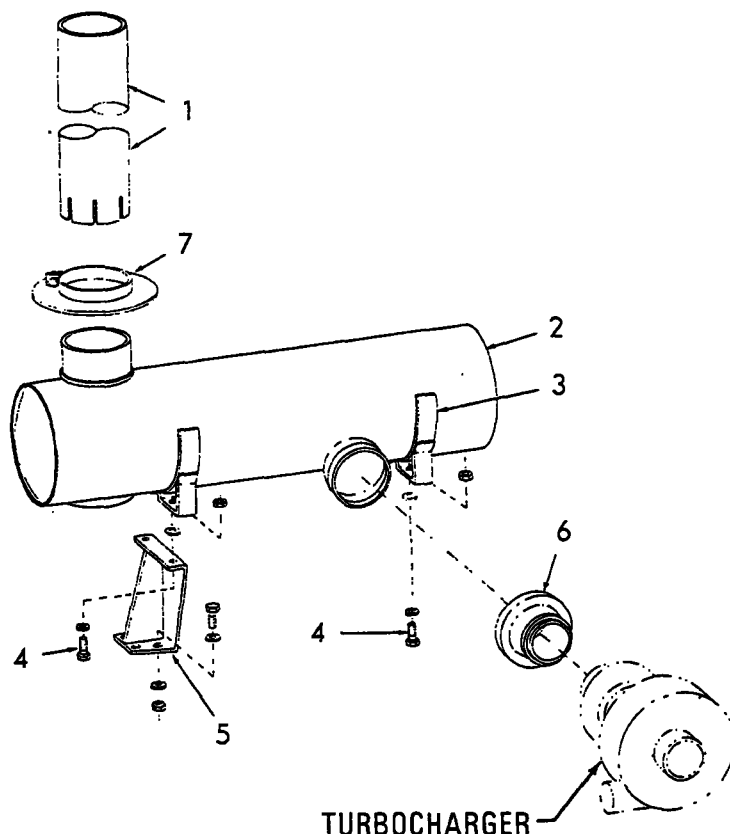
NOTE: See PAINTING AND MARKING for transfer



USAGE: See page 65

ITEM	PART NO.	QTY.	DESCRIPTION
-	70671809	1	CLEANER ASSY. (Includes items 1 thru 8)
1	-----	1	BODY (Not serviced separately)
2	70671839	1	ELEMENT ASSY. (inner)
3	70671838	1	ELEMENT ASSY. (outer)
4	70667684	2	GASKET
5	70667683	1	NUT
	70900808	1	PIN, cotter, 1/8" x 1-1/2"
6	70671433	1	CLIP
7	70691775	1	NUT, wing
8	73042943	1	UNLOADER
	70926011	1	CLAMP, 2-3/4" to 3-1/16"

(Revised June 1980)

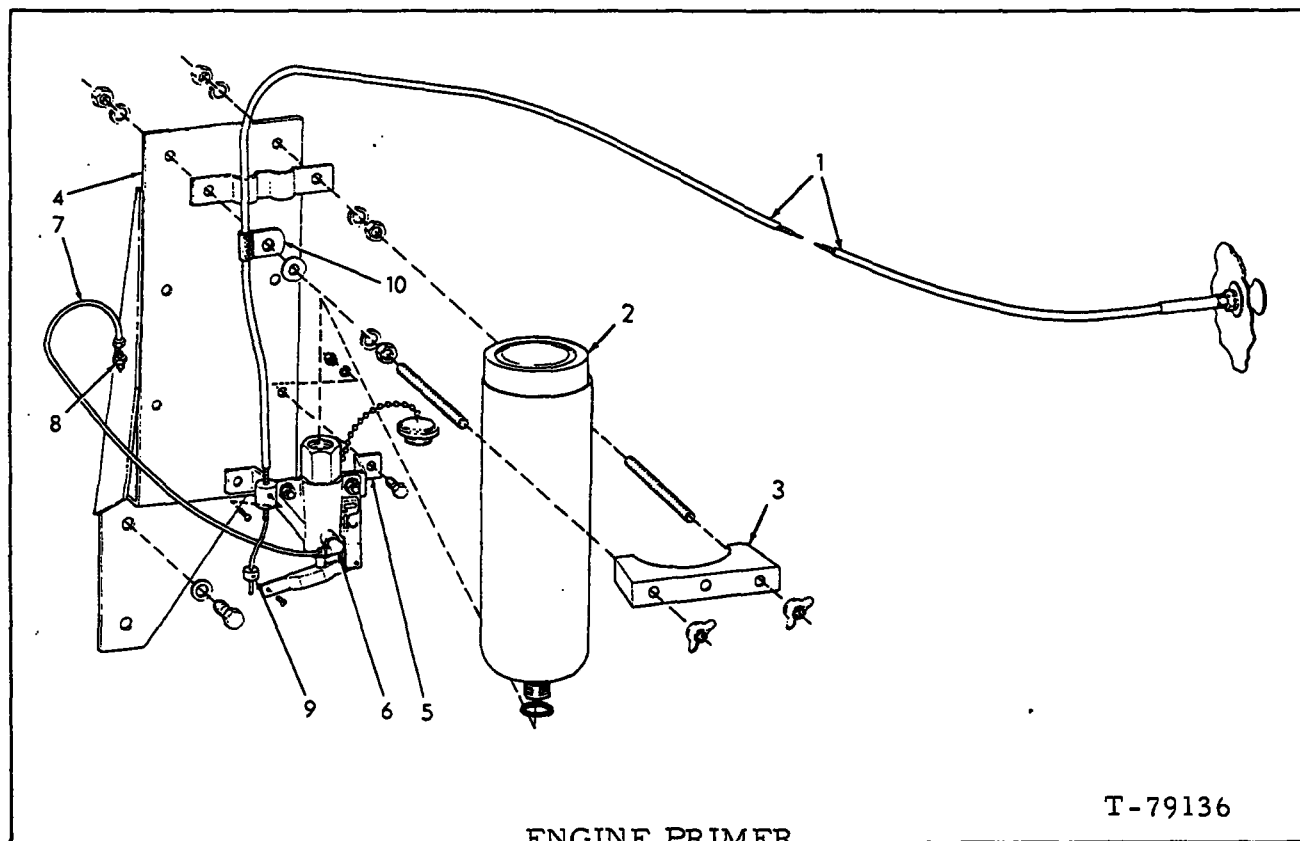


TURBOCHARGER

T-79062

MUFFLER

ITEM	PART NO.	QTY.	DESCRIPTION
1	70683739	1	EXHAUST PIPE (See page 69 for units equipped with special aspirator)
2	70689476	1	MUFFLER(Tractors prior to unit #21812)
	73115656	1	MUFFLER(Tractor unit #21812 and up)
3	73109672	2	CLAMP ASSY. (Includes bolt)(Tractors prior to unit #21812)
4	70923192	4	CAPSCREW, 7/16"NC x 1-1/2"
	70677007	8	WASHER
	70911027	4	NUT, 7/16"NC
5	70697588	1	BRACKET
	70920582	4	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	8	WASHER
6	70683678	1	DIFFUSER
7	70684695	1	COLLAR ASSY. (Includes clamping hardware)



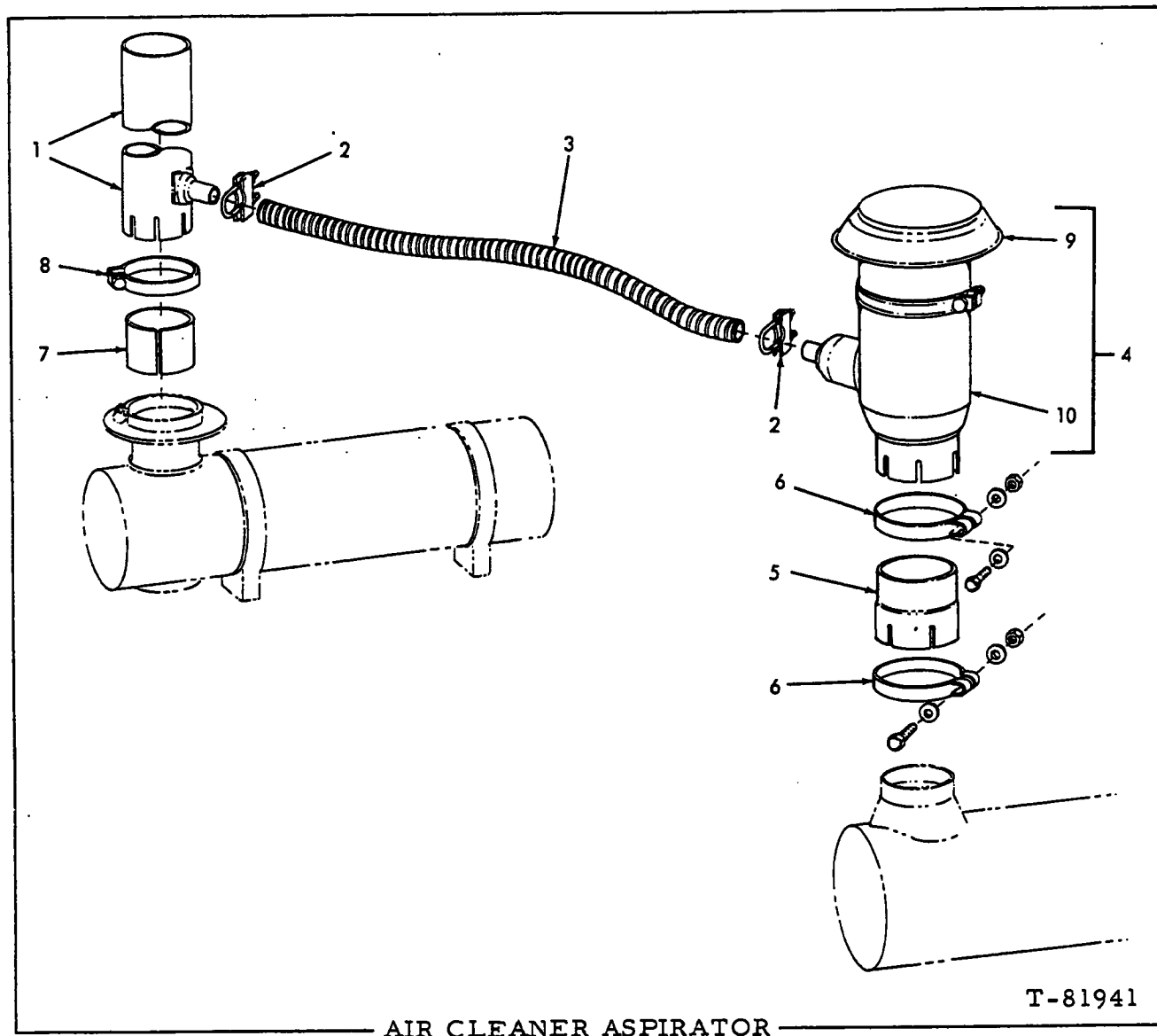
T-79136

ENGINE PRIMER

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	70684988	1	CABLE ASSY. (Includes lockwasher and mounting nut)
	70917378	2	WASHER, plain, U.S. std., 3/8"
2	73132158	1	KIT, cylinder and gasket
	73070169	1	GASKET
3	70669359	1	CLAMP ASSY.
4	70694711	1	BRACKET
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70677006	2	WASHER
5	70669526	1	BRACKET ASSY.
	70917384	1	SCREW, machine, #10-32NF x 5/16", cadmium plated
	70927541	2	CAPSCREW, 1/4"NC x 3/4"
	70910285	2	LOCKWASHER, 1/4"
	70911024	2	NUT, 1/4"NC
6	73052086	1	ELBOW
7	70669053	1	TUBE
	70911841	1	SLEEVE, compression fitting, 1/8" tube
	70912589	1	NUT, compression fitting, 1/8" tube
8	74024482	1	JET
9	70253308	1	STOP, cable
	70917384	1	SCREW, machine, #10-32NF x 5/16", cadmium plated
10	70639388	1	CLIP
	70910335	1	WASHER, plain, SAE std., 5/16"

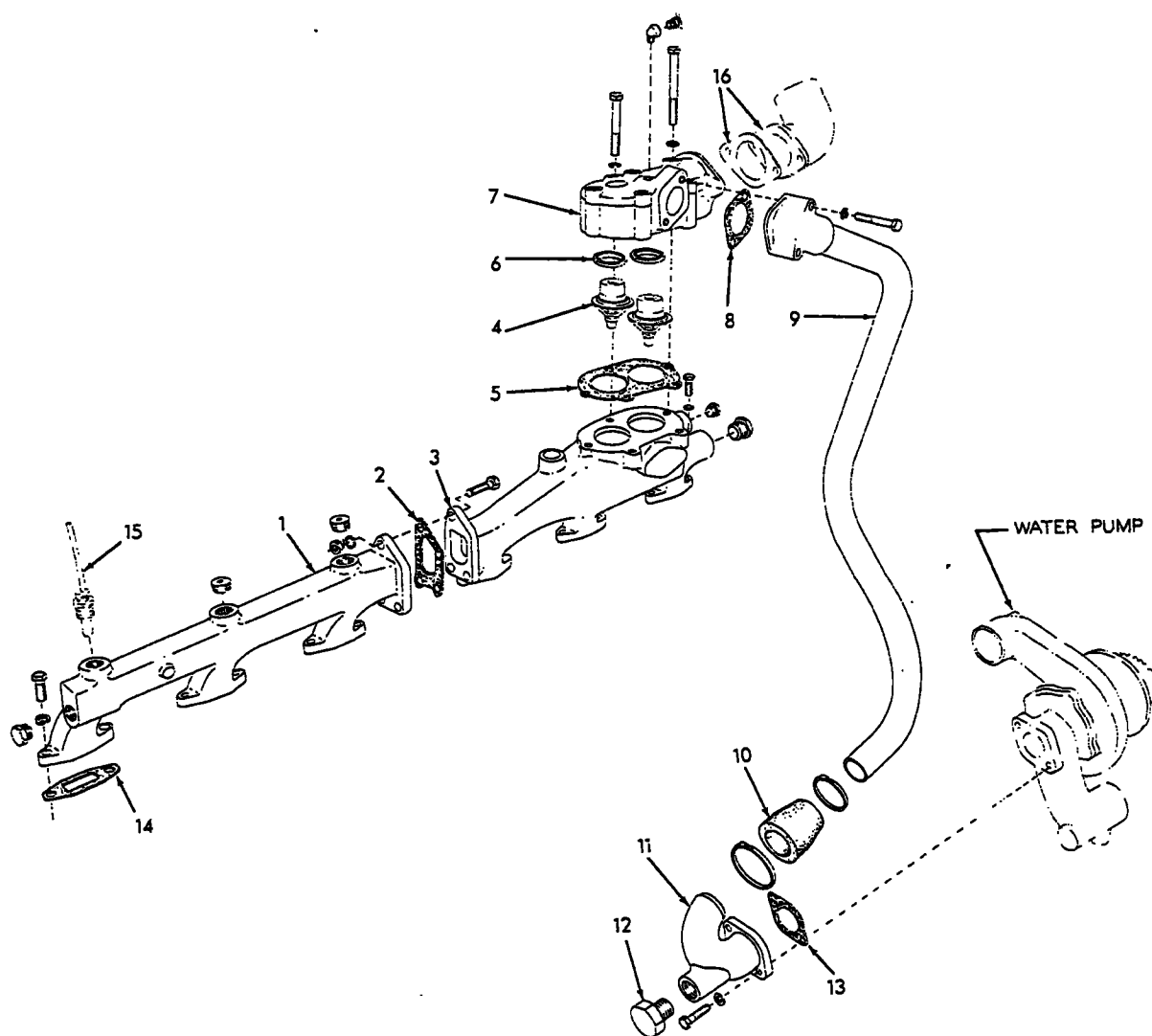
(Revised May 1982)



AIR CLEANER ASPIRATOR

USAGE: Special equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73117360	1	EJECTOR ASSY.
2	70929808	2	CLAMP
3	73117359	1	HOSE, metal, flexible
4	73107581	1	PRE-CLEANER ASSY. (Includes items 9 and 10)
5	70695134	1	TUBE
6	70658633	2	CLAMP
	70927339	2	CAPSCREW, 3/8"NF x 3-1/4"
	70677006	4	WASHER
	70911041	2	NUT, 3/8"NF
7	73113804	1	SLEEVE
8	70629755	1	CLAMP ASSY. (Includes hardware)
9	79027839	1	HOOD
10	73129589	1	BODY



WATER OUTLET MANIFOLD

T-37209

ITEM	PART NO.	QTY.	DESCRIPTION
1	74394959	1	MANIFOLD
	70919224	6	CAPSCREW, 3/8"NC x 1-1/8"
	70919226	3	CAPSCREW, 3/8"NC x 1-5/8"
	70904206	9	LOCKWASHER, 3/8"
	70910324	3	NUT, 3/8"NC
	70917970	2	PLUG, socket-hd., 1/2"NPT
2	74395425	1	□ GASKET
	70920416	1	PLUG, pipe, hex-hd., 1/2"NPT

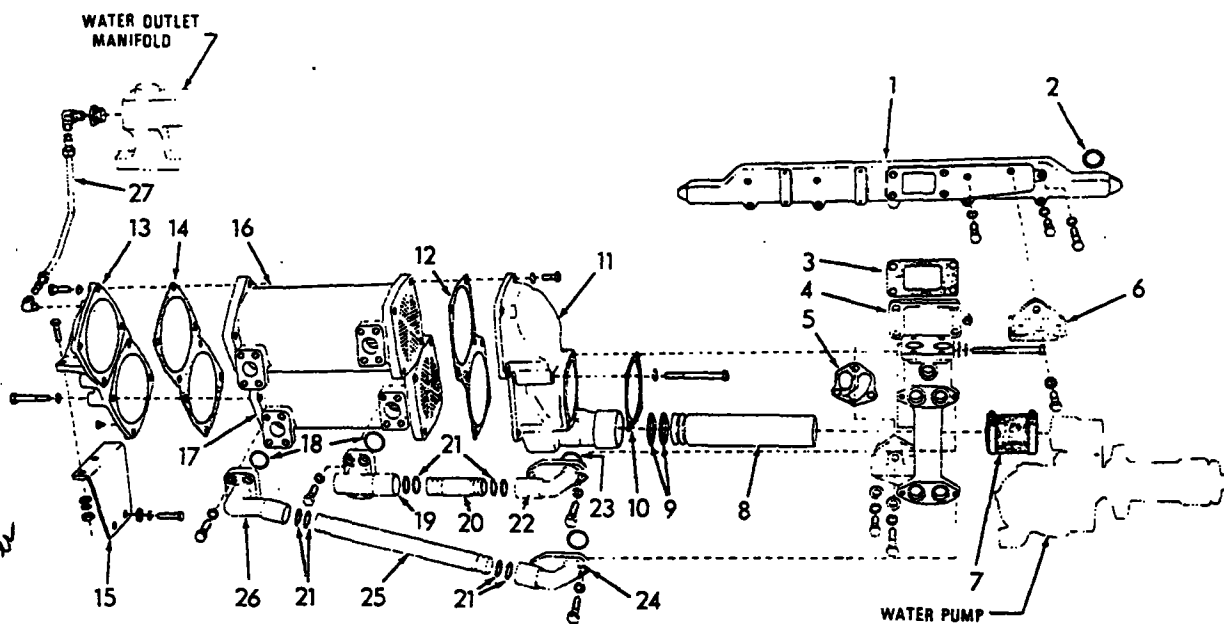
(Continued)

WATER OUTLET MANIFOLD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
3	74394627	1	MANIFOLD
	70918888	1	PLUG, pipe, hex-socket, 1" NPT
	70918887	1	PLUG, pipe, hex-hd., 3/8" NPT
	70919224	6	CAPSCREW, 3/8" NC x 1-1/8"
	70904206	6	LOCKWASHER, 3/8"
4	74354537	2	THERMOSTAT
5	74376520	1	☐ GASKET
6	74317554	2	SEAL
7	74389036	1	COVER ASSY. (Includes item 6)
	70918374	1	ELBOW, street, brass, 90°, 1/4" NPT
	70912415	1	COCK, T-handle, 1/4" NPT (For venting air)
	70918395	4	CAPSCREW, 7/16" NC x 3-1/4"
	70918740	1	CAPSCREW, 7/16" NC x 4"
	70904207	5	LOCKWASHER, 7/16"
8	74386137	1	☐ GASKET
9	74394615	1	TUBE
	70916274	2	CAPSCREW, 3/8" NC x 2-1/4"
	70910287	2	LOCKWASHER, 3/8"
10	74396370	1	HOSE
	70922198	2	CLAMP, hose, 1-9/16" to 2-9/16" diam.
11	74396115	1	ELBOW
	70916271	2	CAPSCREW, 3/8" NC x 1"
	70910287	2	LOCKWASHER, 3/8"
12	70920525	1	PLUG
13	74378112	1	☐ GASKET
14	74395709	6	☐ GASKET
15	-----	-	GAUGE (See page 207)
16	-----	-	ELBOW AND GASKET (See page 82)

(Revised July 1980)

Engine
Trans
Cool



WATER INLET MANIFOLD AND HEAT EXCHANGERS

T-73033

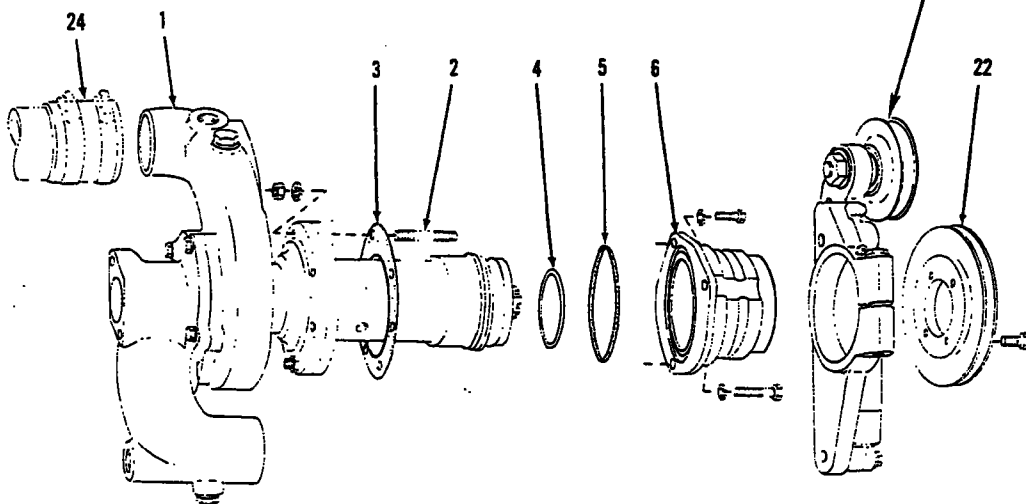
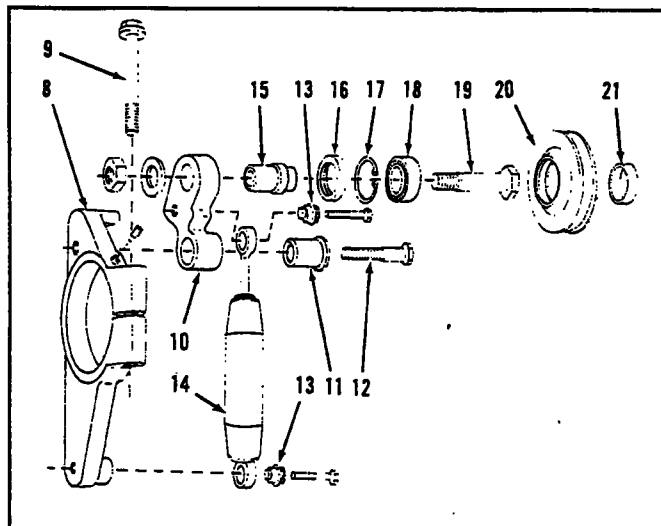
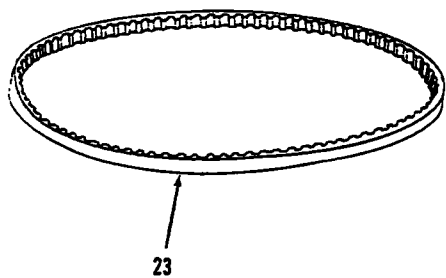
ITEM PART NO. QTY. DESCRIPTION

1	74395002	1	MANIFOLD (Also order 2 PLUG 7093.1239	} Engines prior to #21-14477
	70919231	4	CAPSCREW, 1/2"NC x 1-7/8"	
	70916317	3	CAPSCREW, 1/2"NC x 2-3/4"	
	70915969	1	CAPSCREW, 1/2"NC x 3" (Also attaches water filter hose bracket)	
	70904208	8	LOCKWASHER, 1/2"	
	70931239	2	PLUG, core	
2	70925612	12	□O-RING	
3	74389635	1	GASKET	
4	74394922	1	MANIFOLD	
	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"	
	70915987	2	CAPSCREW, 1/2"NC x 1-1/2"	
	70916320	2	CAPSCREW, 1/2"NC x 4"	
	70904208	7	LOCKWASHER, 1/2"	
	70912333	7	WASHER	
	70920525	1	PLUG, pipe, hex-hd., 3/4"NPT	
5	74386495	1	□GASKET	
6	74393708	1	BRACKET	
	70915987	1	CAPSCREW, 1/2"NC x 1-1/2"	
	70904208	1	LOCKWASHER, 1/2"	
	70918683	1	CAPSCREW, 1/2"NC X 1-1/8 (Engine #21-14477 and up)	
7	74662263	1	HOSE	
	70922199	2	CLAMP, 2-9/16" to 3-9/16" diam.	
8	74388185	1	TUBE	
9	70923651	2	O-RING	
10	74371160	1	GASKET	

(Continued)

WATER INLET MANIFOLD AND HEAT EXCHANGERS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	74395447	1	ADAPTER
	70919294	2	CAPSCREW, 1/2" NC x 4-1/4" } To Exchanger
	70915987	6	CAPSCREW, 1/2" NC x 1-1/2" } To Exchanger
	70916320	1	CAPSCREW, 1/2" NC x 4" } To Manifold
	70916322	2	CAPSCREW, 1/2" NC x 5" } To Manifold
	70904208	12	LOCKWASHER, 1/2"
	70916009	4	WASHER
12	74389678	1	□ GASKET
13	74388465	1	BONNET (Cast iron)(First type)
	74394949	1	BONNET (Aluminum)(Second type)
	70919840	1	PLUG, pipe, hex-hd., 1/4" NPT
	70915987	4	CAPSCREW, 1/2" NC x 1-1/2" (For cast iron Bonnet)
	70916313	4	CAPSCREW, 1/2" NC x 1-3/4" (For aluminum Bonnet)
	70915969	4	CAPSCREW, 1/2" NC x 3"
	70904208	8	LOCKWASHER, 1/2"
	70916272	2	CAPSCREW, 3/8" NC x 1-1/4" (Cast iron bonnet)
	70914847	2	CAPSCREW, 3/8" NC x 1-1/2" (Aluminum bonnet)
	70911115	4	WASHER
	70904206	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8" NC
14	74389676	1	□ GASKET
15	74387453	1	BRACKET
	70922290	2	CAPSCREW, 1/2" NC x 2"
	70910244	2	WASHER, plain, SAE std., 1/2"
	70904208	2	LOCKWASHER, 1/2"
16	74394014	1	EXCHANGER, heat, torque converter - 74396500 - NLA
17	74394188	1	EXCHANGER, heat, engine oil
18	74255781	2	□ O-RING
19	74394953	1	ELBOW
	70920333	1	PLUG, pipe, hex-hd., 3/8" NPT (Tractors prior to unit #21261)
	70916191	4	CAPSCREW, 7/16" NC x 1-1/2"
	70904207	4	LOCKWASHER, 7/16"
20	74390595	1	TUBE
21	74255631	8	O-RING
22	74390592	1	ELBOW
	70919225	1	CAPSCREW, 3/8" NC x 1-3/8"
	70912069	1	CAPSCREW, 3/8" NC x 2-1/2"
	70904206	2	LOCKWASHER, 3/8"
23	74255631	2	□ O-RING
24	74390589	1	ELBOW
	70919225	1	CAPSCREW, 3/8" NC x 1-3/8"
	70912069	1	CAPSCREW, 3/8" NC x 2-1/2"
	70904206	2	LOCKWASHER, 3/8"
25	74390594	1	TUBE
26	74390590	1	ELBOW
	70916191	4	CAPSCREW, 7/16" NC x 1-1/2"
	70904207	4	LOCKWASHER, 7/16"
27	74390583	1	TUBE
	70917809	2	NUT, Imperial, 1/4" tube
	74255956	2	SLEEVE, Imperial, 1/4" tube
	70919481	2	ELBOW, Imperial, 1/4" tube, 1/4" NPT male
	70901839	1	BUSHING, pipe, hex-hd., 3/8" NPT



WATER PUMP

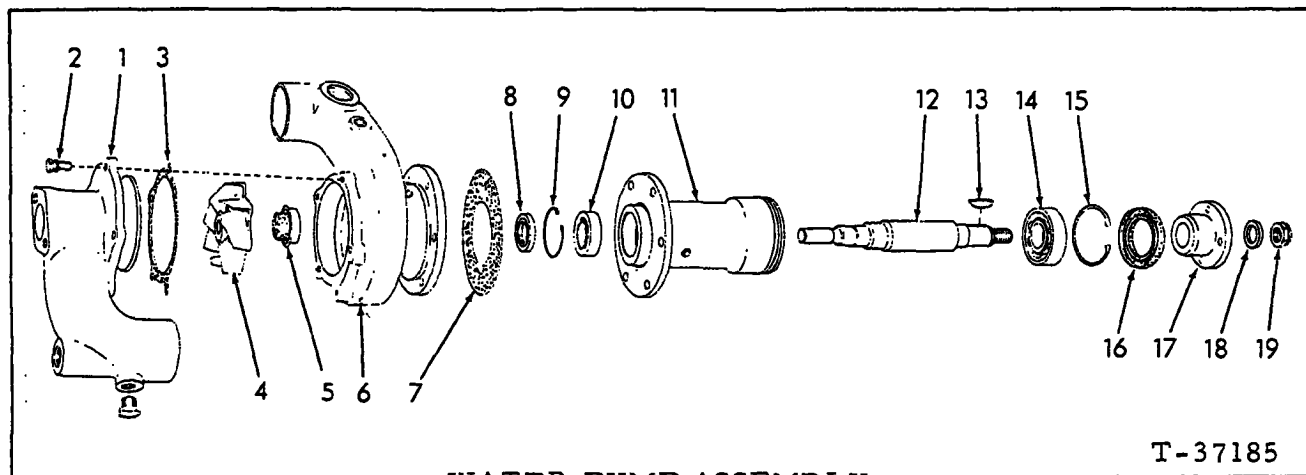
T-75043

(Revised July 1980)

WATER PUMP

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PUMP ASSY., water (See page 76)
	70918888	1	PLUG, pipe, hex-skt., 1"NPT
2	74513810	5	STUD
	70910123	5	NUT, 3/8"NF } Early units
	70910287	5	LOCKWASHER, 3/8"
	70922211	5	CAPSCREW, Nylok, 3/8"NC x 1-1/4"(Late units)
3	74376398	1	☐ GASKET
4	70923935	1	☐ O-RING
5	74361740	1	☐ GASKET (21000 engines)
	70923950	1	☐ O-RING (6138T engines)
6	74391003	1	SUPPORT (21000 engines)
	74395112	1	SUPPORT (6138T engines)
	70919224	1	CAPSCREW, 3/8"NC x 1-1/8"
	70912069	2	CAPSCREW, 3/8"NC x 2-1/2" (21000 engines)
	70919227	2	CAPSCREW, 3/8"NC x 3-1/4" (6138T engines)
	70904206	3	LOCKWASHER, 3/8"
8	74391950	1	BRACKET
	70913683	1	SETSCREW, hex-socket, dog-pt., 3/8"NC x 1"
9	70924863	1	SCREW
10	74391949	1	ARM ASSY. (Includes item 11)
11	74391933	1	BUSHING
12	74391955	1	CAPSCREW
13	74391934	2	BUSHING
14	74391938	1	DAMPER ASSY. (Includes item 13)
	70919225	2	CAPSCREW, 3/8"NC x 1-3/8"
15	74390992	1	SHAFT
16	74255839	1	SEAL
17	70927801	1	RING
18	74391154	1	BEARING
19	74390655	1	BOLT
	70910175	1	NUT, jam, 3/4"NF
	70927382	1	WASHER
20	74390995	1	PULLEY
21	74255110	1	CAP
22	74391593	1	PULLEY
	74752002	4	BOLT, self-locking, 3/8"NF x 1/2"
23	74391351	1	BELT
24	-----	1	HOSE (See page 72)

(Revised July 1980)

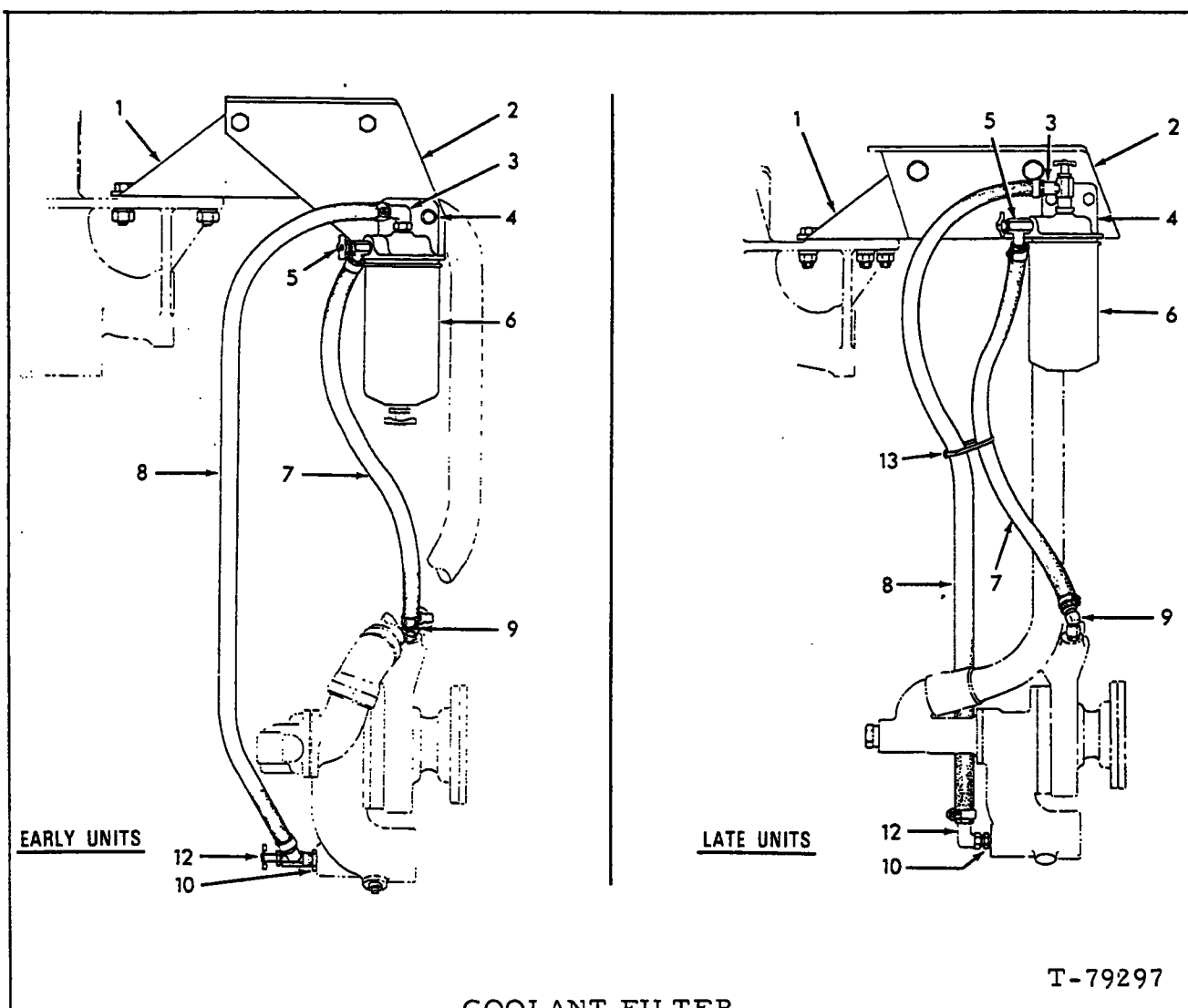


WATER PUMP ASSEMBLY

T-37185

USAGE: See page 75

ITEM	PART NO.	QTY.	DESCRIPTION
-	74396371	1	PUMP ASSY. (Includes items 1 thru 19)
1	74375682	1	COVER
	70920333	1	PLUG, pipe, hex-hd., 3/8"NPT
2	70923325	4	CAPSCREW, 5/16"NC x 7/8"
	70917356	4	LOCKWASHER, 5/16"
3	74372421	1	GASKET
4	-----	1	IMPELLER ASSY. (Includes ceramic insert)(Order item 20)
5	-----	1	SEAL ASSY. (Engine prior to S/N 21-15405)(Order item 20)
	74396349	1	SEAL ASSY. (Engine S/N 21-15405 and up) (Component of item 20)
6	74387609	1	BODY
7	74387051	1	GASKET
8	74387605	1	SEAL
9	70927801	1	RING
10	74255338	1	BEARING
11	74387050	1	SLEEVE
12	74393325	1	SHAFT
13	74660677	1	KEY
14	73007474	1	BEARING
15	70927803	1	RING
16	74256022	1	SEAL
17	74386924	1	HUB
18	74375691	1	WASHER
19	70918182	1	NUT, self-locking, 3/4"NF (plated)
20	74396372	1	IMPELLER AND SEAL KIT (Includes items 4, 5 and Instruction Sheet)



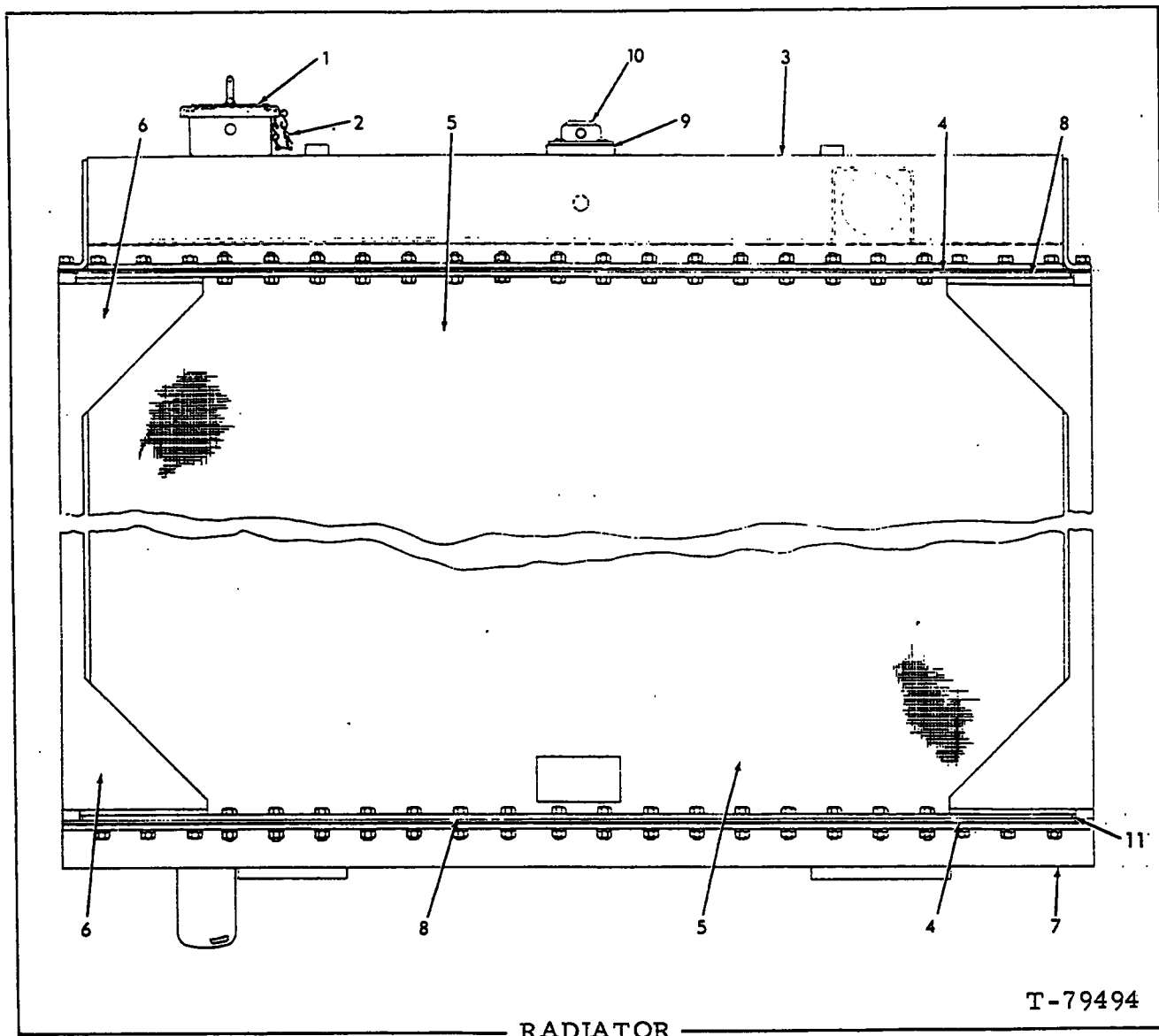
ITEM	PART NO.	QTY.	DESCRIPTION
1	74396430	1	BRACKET (Includes item 2)
	70916313	4	CAPSCREW, 1/2"NC x 1-3/4"
	70912441	4	LOCKWASHER, 1/2"
	70910325	4	NUT, 1/2"NC
2	-----	1	BRACKET (Order item 1)
	70916311	2	CAPSCREW, 1/2"NC x 1-1/4"
	70911414	2	WASHER (Engine #21-14673 and up)
	70912441	2	LOCKWASHER, 1/2"
	70910325	2	NUT, 1/2"NC
3	74255286	1	ELBOW, 3/8"NPT (Engine prior to #21-14835)
4	74393427	1	BASE
	70916191	2	CAPSCREW, 7/16"NC x 1-1/2"
	70912298	2	WASHER
	70914678	2	LOCKWASHER, 7/16"
	70912201	2	NUT, 7/16"NC

(Continued)

(Revised June 1981)

COOLANT FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	74255772	1	VALVE (90°)(Engine #21-14835 and up)
	74255287	1	VALVE(45°) 5/8" Nipple, 3/8"NPT
6	74393504	1	FILTER (Original equipment. All purpose, recommended for use with plain water as well as most types of permanent and non-permanent anti-freeze except "Dowtherm" 209)
	74393505	1	FILTER (Chromate type, for use with "Dowtherm" 209)
7	-----	1	HOSE (23-1/2" long. Order item 11)
	70921911	2	CLAMP, 11/16" to 1-1/4" diam.
8	-----	1	HOSE (37" long. Order item 11)
	70921911	2	CLAMP, 11/16" to 1-1/4" diam.
9	70925238	1	NIPPLE, hose, 3/8"NPT (Engine prior to #21-14835)
	74255612	1	ELBOW, 45°
	70928867	1	ADAPTER
10	70904271	1	BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT
11	70920722	-	HOSE, 5/8" I. D., 25 ft. roll (Use as required)
12	74255287	1	VALVE, 45° (Engine prior to #21-14835)
	74255286	1	ELBOW, 90° (Engine #21-14835 and up)
13	70925094	1	TIE, self-locking



USAGE: See page 82

* Tractors prior to serial No. 71A21245 including #21256, 21257 and 21289.

** Tractor serial No. 71A21245 and up excluding #21256, 21257 and 21289.

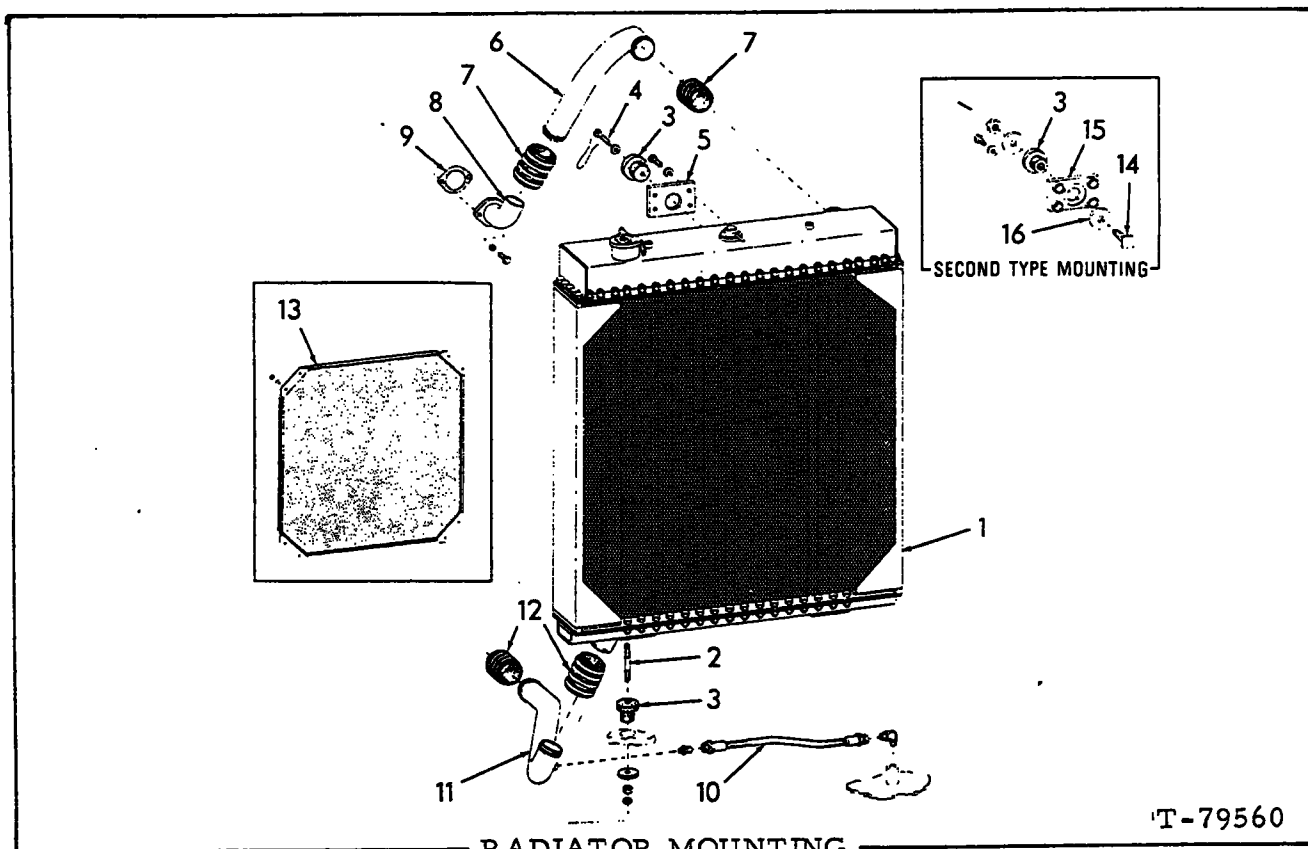
ITEM	PART NO.	QTY.	DESCRIPTION	
		* **		
-	70687292	1	RADIATOR ASSY. (Includes items 1 thru 10)	Canted tubes. Copper finned
-	73110150	- 1	RADIATOR ASSY. (Includes items 1 thru 12)(Tractors prior to unit #21411)	
-	73113256	- 1	RADIATOR ASSY. (Includes items 1 thru 11)(Tractor unit #21411 thru #21482)	
-	73111631	- 1	RADIATOR ASSY. (Includes items 1 thru 11)(Tractor unit #21483 and up)	

(Continued)

RADIATOR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
-	70692512	1 -	RADIATOR ASSY. (Includes items 1 thru 10)
-	73110151	- 1	RADIATOR ASSY. (Includes items 1 thru 11)(Tractors prior to unit #21411)
-	73113261	- 1	RADIATOR ASSY. (Includes items 1 thru 11)(Tractor unit #21411 thru #21482)
-	73111632	- 1	RADIATOR ASSY. (Includes items 1 thru 11)(Tractor unit #21483 and up)
1	70671075	1 1	CAP
2	70654098	1 1	CHAIN
3	70694701	1 1	TANK (Tractors prior to unit #21411)
	73113248	- 1	TANK (Right side fill)(Tractor unit #21411 thru #21482)
	73111633	- 1	TANK (Left side fill)(Tractor unit #21483 and up)
	70922843	54 54	CAPSCREW, 5/16"NC x 1-1/4"
	70910286	54 54	LOCKWASHER, 5/16"
	70911025	54 54	NUT, 5/16"NC
4	70694704	2 2	GASKET
5	70694331	1 -	CORE ASSY. }
	73110247	- 1	CORE ASSY. } Copper finned
	70692511	1 1	CORE ASSY. (Steel finned)
6	70694702	2 -	SIDE
	73110248	- 2	SIDE
7	70694705	1 -	TANK
	73110246	- 1	TANK
	70922843	54 54	CAPSCREW, 5/16"NC x 1-1/4"
	70910286	54 54	LOCKWASHER, 5/16"
	70911025	54 54	NUT, 5/16"NC
8	70694703	4 4	CLAMP
9	70675487	1 1	GASKET
10	70675488	1 1	VALVE
	70922707	4 4	SCREW, #10-32NF x 3/8"
	70910284	4 4	LOCKWASHER, #10
11	73110249	- 4	BAR
12	73112812	- 1	BRACKET (T-BOLT mounting. Requires welding to install)(Tractors prior to unit #21411)(Not illustrated)

Straight
tubes.
Steel
finned
Special
equipment



ITEM	PART NO.	QTY.	DESCRIPTION	
1	-----	1	RADIATOR ASSY. (See page 80)	
2	70689504	2	STUD	
	70087463	2	WASHER	
	70900370	2	NUT, 5/8"NC	
	70910511	2	NUT, jam, 5/8"NC	
3	70680769	3	SNUBBER	
4	70928882	1	CAPSCREW, drilled-hd., 5/8"NC x 3-1/2"	} Tractors prior to unit #21411
	70087463	1	WASHER	
	70023633	1	WIRE, 1/16" x 12"	
5	70680767	1	PLATE	
	70929074	4	CAPSCREW, drilled-hd., 1/2"NC x 2"	
	70930850	4	WASHER	
6	70689229	1	TUBE	
7	73121205	2	HOSE	
	70921914	8	CLAMP, hose, 2-5/16" to 3-1/4"	
8	70660557	1	ELBOW	
	70927485	2	CAPSCREW, 7/16"NC x 1"	
	70914678	2	LOCKWASHER, 7/16"	
9	74310257	1	GASKET	
10	70680746	1	HOSE (See HOSE PARTS)	
	70919206	1	ELBOW, flare type, 90°, 1/2"tube, 3/8"NPT male	
	70919063	1	CONNECTOR, flare type, 1/2"tube, 3/8"NPT male	
11	70680747	1	TUBE	

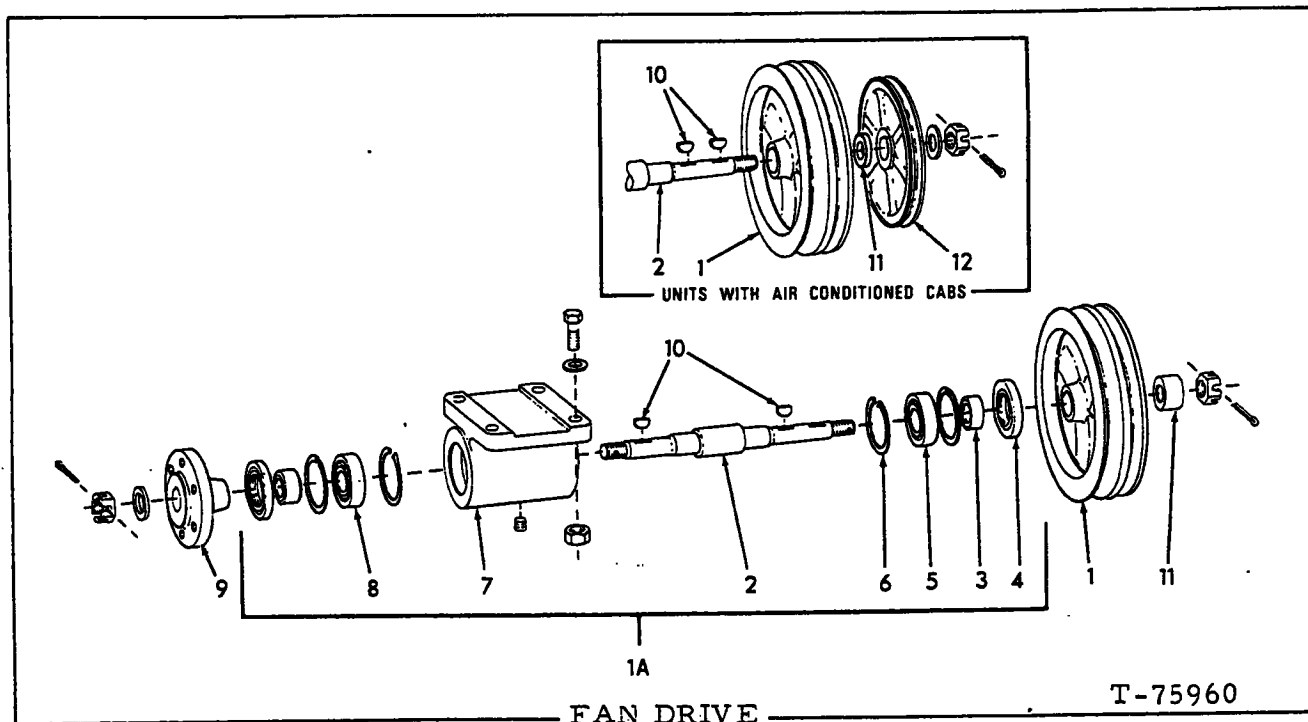
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(Revised July 1980)

RADIATOR MOUNTING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	73121206	2	HOSE
	70921914	8	CLAMP, hose, 2-5/16" to 3-1/4"
13	70694638	1	RADIATOR GRID (Special equipment)(Tractors prior to unit #21245 including #21256 and #21257)
	73110149	1	RADIATOR GRID (Special equipment)(Tractor unit #21245 and up, excluding #21256 and #21257)
	73113110	1	RADIATOR GRID (Special equipment)(Units equipped for Sand Operations)
	70922262	8	CAPSCREW, 3/8"NC x 7/8"
	70677006	8	WASHER
14	73111372	1	T-BOLT
	70902274	1	NUT, slotted, 5/8"NC
	70900808	1	PIN, cotter, 1/8" x 1-1/2"
15	73111291	1	PLATE
	70922510	4	CAPSCREW, 1/2"NC x 2-3/4"
	70930850	4	WASHER
16	70087463	2	WASHER

Tractor unit
#21411 and up



USAGE: See page 84

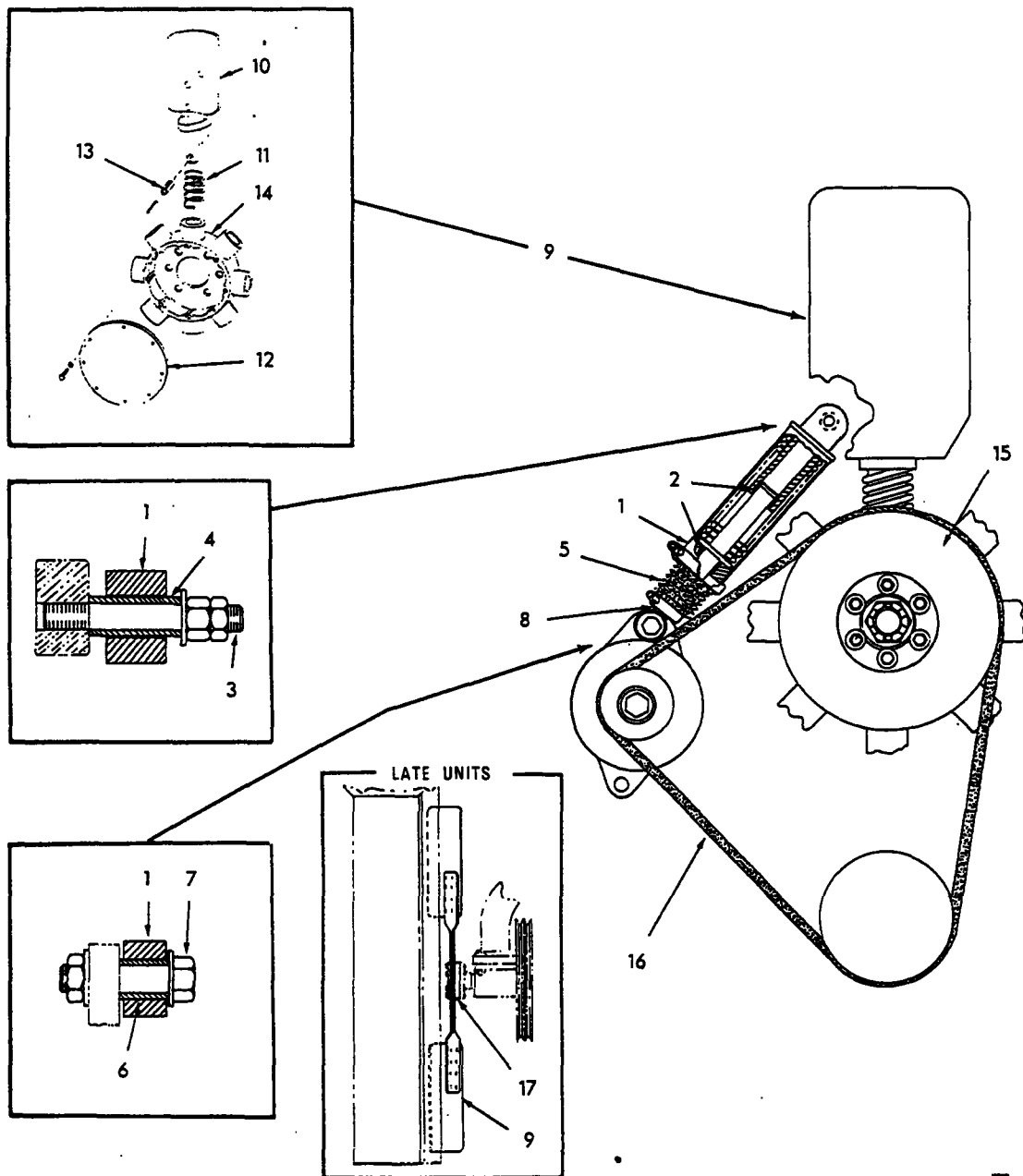
ITEM	PART NO.	QTY.	DESCRIPTION
1	73110660	1	PULLEY
1A	73114483	1	HOUSING ASSY. (Includes items 2 thru 8 and 1 Plug 70910231)(Tractors prior to unit #21999)
	73122927	1	HOUSING ASSY. (Includes items 2 thru 8 and 1 Plug 70910231)(Tractor unit #21999 and up)
2	70696200	1	SHAFT (Tractors prior to unit #21999)
	73122630	1	SHAFT (Tractor unit #21999 and up)
	70067962	2	WASHER (One less used on units with Air Conditioned Cab)
	70922735	2	NUT, slotted, 1-1/4"NF (1 less used on Hub end on tractors prior to unit #21886 including #21891)
	70913798	1	NUT, slotted, jam, 1-1/4"NF (Hub end)(Tractors unit #21886 and up excluding #21891)
	70915692	2	PIN, 1/4" x 1-7/8"
3	70689344	2	SPACER
4	70680622	2	SEAL
5	70689345	1	BEARING
6	70927708	4	RING
7	70689341	1	HOUSING
	70910231	1	PLUG, pipe, hex-socket, 1/8"NPT (Tractor unit #21373 and up)
	70922510	3	CAPSCREW, 1/2"NC x 2-3/4"
	70921539	1	CAPSCREW, 1/2"NC x 3-1/2"
	70677008	6	WASHER
	70928188	1	WASHER
	70918309	3	NUT, 1/2"NC
	70911028	2	NUT, 1/2"NC
8	70694992	1	BEARING

(Continued)

(Revised May 1982)

FAN DRIVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	-----	1	HUB (1-1/2" thick)(Tractors prior to unit #21886 including #21891, order 1 each Hub 73122553, Nut 70913798)
	73122553	1	HUB (2" thick)(Tractor unit #21886 and up excluding #21891)
10	70932932	3	KEY, #13 woodruff, 3/16" x 1" (One less used on units without Air Conditioned Cab)
11	70696128	1	SPACER (Not used with Air Conditioned Cab)
	70695779	1	SPACER
12	70696325	1	PULLEY } Units with Air Conditioned Cab only



FAN AND BELT TIGHTENER

T-79497

* Tractors prior to serial No. 71A21593

** Tractors serial No. 71A21593 and up

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70689599	1	TIGHTENER, belt
	73112703	- 1	TIGHTENER ASSY., belt (Includes item 2)
2	70067720	- 2	BUSHING
3	70684564	1 1	STUD
	70928188	1 1	WASHER
	70911043	1 1	NUT, 1/2" NF
	70913830	1 1	NUT, jam, 1/2" NF
4	70680714	1 1	TUBE

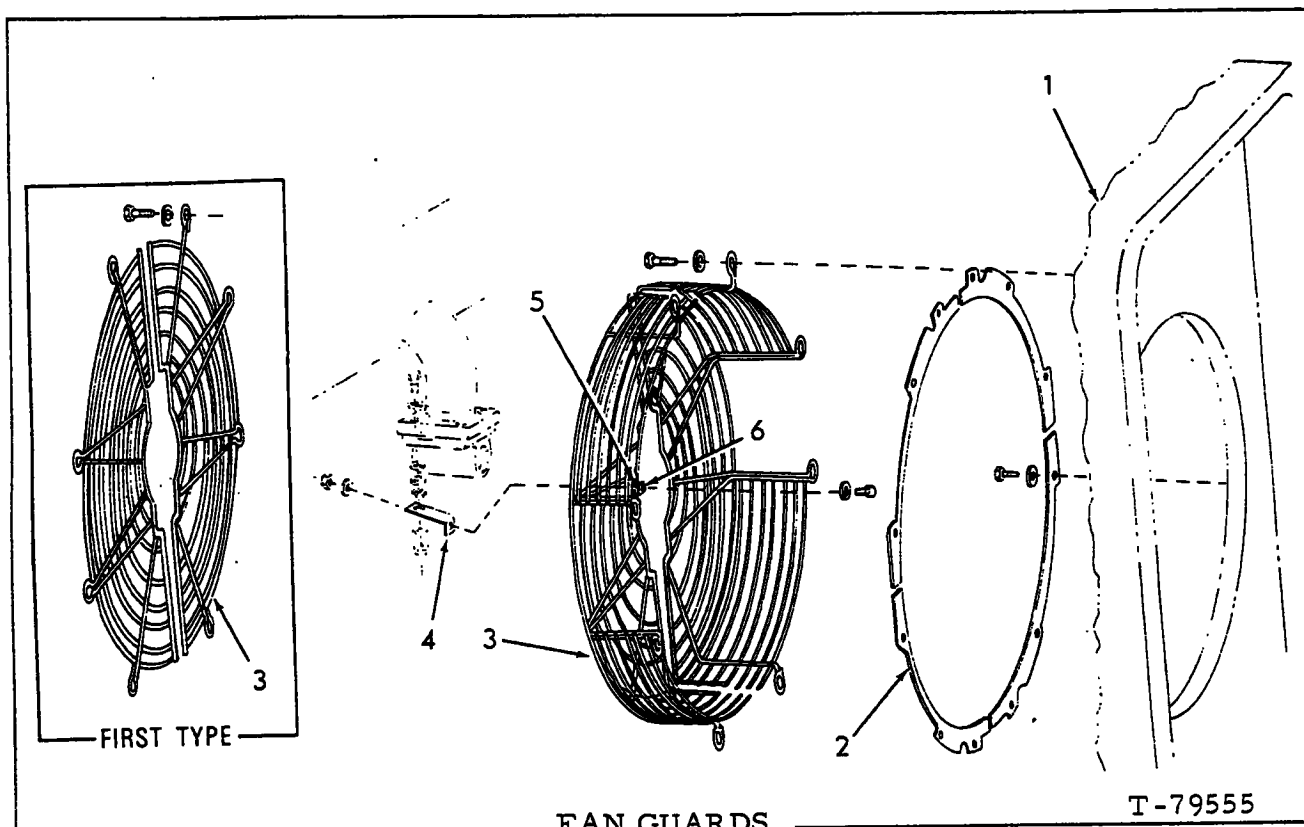
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FAN AND BELT TIGHTENER (Continued)

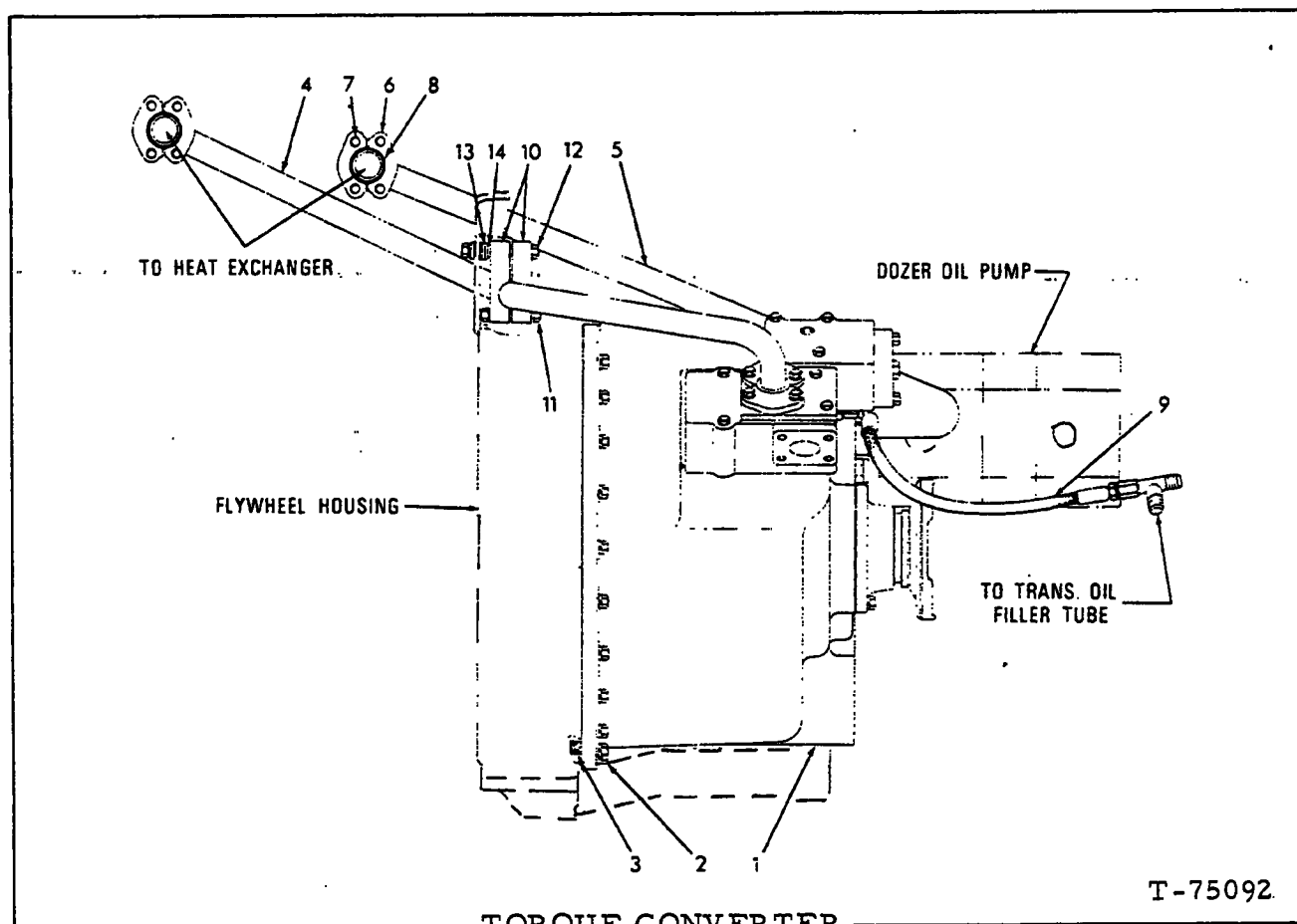
ITEM	PART NO.	QTY.	DESCRIPTION
5	70652241	1 -	BOOT
	70922660	1 -	CLAMP, hose, 3/16" to 1-1/2"
	70921913	1 -	CLAMP, hose, 1-13/16" to 2-3/4"
	70623195	- 1	BOOT
	70921912	- 1	CLAMP, hose, 1-1/16" to 2"
	70921914	- 1	CLAMP, hose, 2-5/16" to 3-1/4"
6	74630804	1 -	TUBE
	73112744	- 1	BUSHING
7	70921556	1 1	CAPSCREW, 1/2" NC x 2"
	70910244	2 2	WASHER
	70910510	1 1	NUT, 1/2" NC
8	70682188	1 -	BLOCK (rubber)(Requires cementing to Tightener)
9	73110678	1 -	FAN, push-type (Standard on tractors unit #21355 thru #21436)
	70927157	6 -	CAPSCREW, 3/8" NC x 1-3/8"
	70677006	6 -	WASHER
	73112607	1 1	FAN, push-type (Tractors unit #21437 and up).
	70927573	6 6	CAPSCREW, 3/8" NC x 1-7/8"
	70677006	6 6	WASHER
	73107445	1 -	FAN ASSY., reversible (Includes items 10 thru 14)
	70921076	6 -	CAPSCREW, 3/8" NC x 1-1/4"
	70677006	6 -	WASHER
10	-----	8 -	BLADE (See NOTE below)
11	70673599	8 -	SPRING
12	70673598	1 -	COVER
	70926339	6 -	CAPSCREW, #10 NC x 5/16"
13	70919597	8 -	PIN, spring, 7/16" x 2"
14	-----	1 -	HUB (See NOTE below)
15	-----	1 -	FAN DRIVE (See page 83)
16	70684399	1 1	BELT SET (Consists of 2 matched belts)
17	70669548	1 1	SPACER (Tractors unit #21437 and up)

Standard on
tractors prior
to unit #21355.
Special thereafter.

NOTE: Blade and Hub replacements require precision balancing. Return complete fan to Huber Reversible Fan Co., 2103 Hershey Road, Erie, Pa. 16509

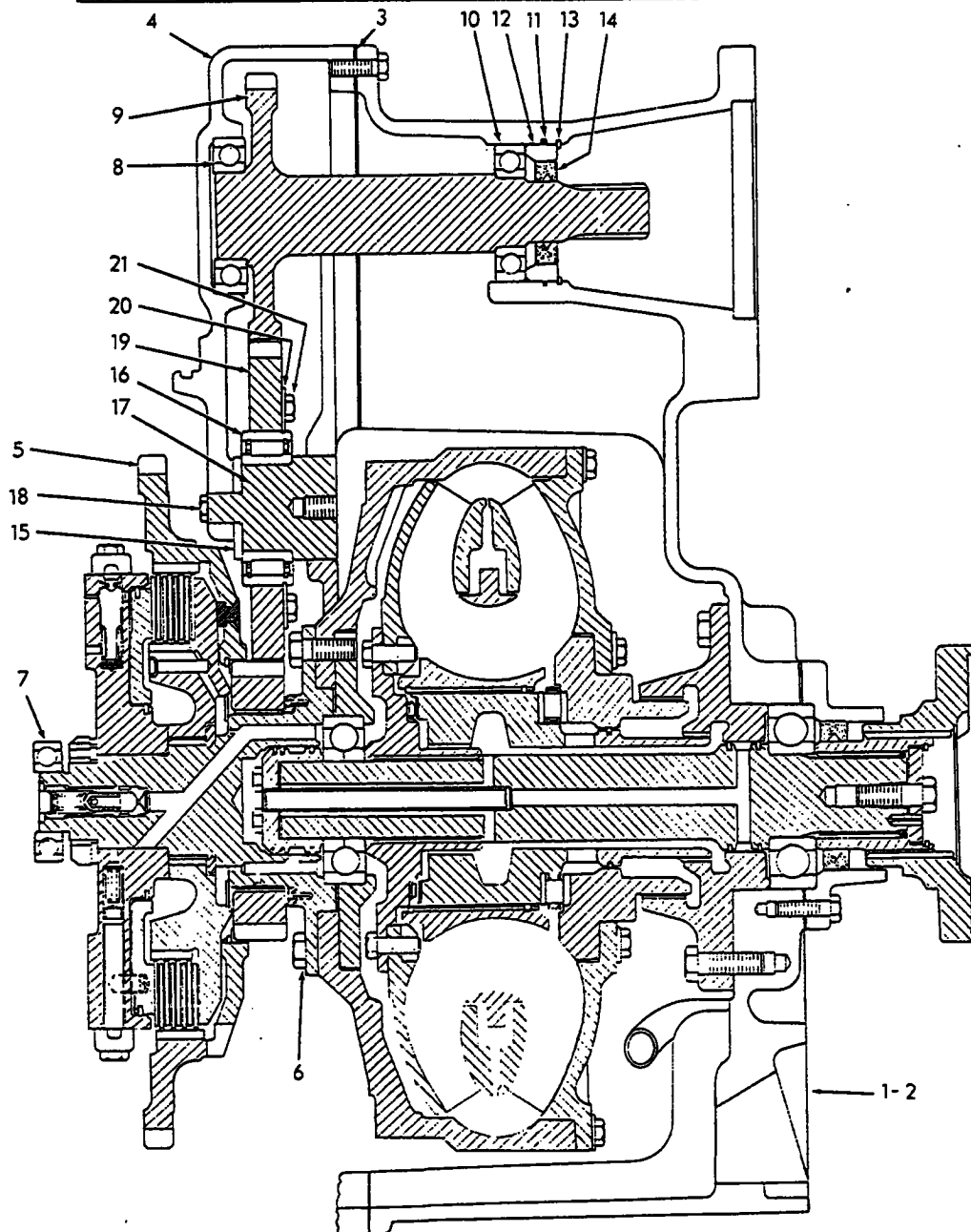
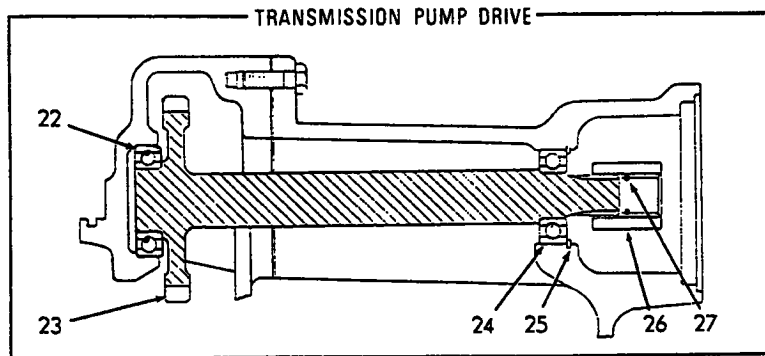


ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	RADIATOR GUARD (See page 173A)
2	70690214	4	SHROUD
	70925625	12	CAPSCREW, 3/8"NC x 7/8"
	70290743	12	WASHER
3	70689169	2	GUARD (Tractors prior to unit #21880)
	73117382	2	GUARD (Tractors unit #21880 and up)
	70922763	10	CAPSCREW, 3/8"NC x 1"
	70677006	10	WASHER
4	70659175	1	ANGLE
5	70093972	1	BOOT
6	70927599	1	CLAMP
	70922763	1	CAPSCREW, 3/8"NC x 1"
	70929156	2	WASHER
	70915891	1	NUT, 3/8"NC



TORQUE CONVERTER

ITEM	PART NO.	QTY.	DESCRIPTION
1	73113159	1	CONVERTER ASSY., torque (See page 89)(Includes ENGINE CLUTCH)
2	70927583	19	CAPSCREW, 7/16"NC x 1-3/4"
	70914678	19	LOCKWASHER, 7/16"
	70931313	1	CAPSCREW, Nylok, 7/16"NC x 1-3/4"
3	70933494	1	□O-RING
4	70666791	1	TUBE
5	70666790	1	TUBE (Tractors prior to unit #21119)
	70698859	1	TUBE
	70921467	1	CAP, flare type, 1/4" tube } Tractor unit
6	70921117	8	FLANGE (half only) } #21119 and up
7	70921569	16	CAPSCREW, 7/16"NC x 1-1/4"
	70929154	16	LOCKWASHER, 7/16"
8	70925919	4	□O-RING
9	70697791	1	HOSE (See HOSE PARTS)
	70919127	1	CONNECTOR, flare type, 3/8" tube, 1/2"NPT male
10	70658514	2	BLOCK
11	70927174	1	CAPSCREW, 3/8"NC x 2-1/2"
12	70924843	1	CAPSCREW, 3/8"NC x 3-1/2"
	70677006	2	WASHER
	70911026	2	NUT, 3/8"NC
13	70677006	3	WASHER
14	70055914	2	WASHER } Use as required



TORQUE CONVERTER ASSEMBLY 73113159

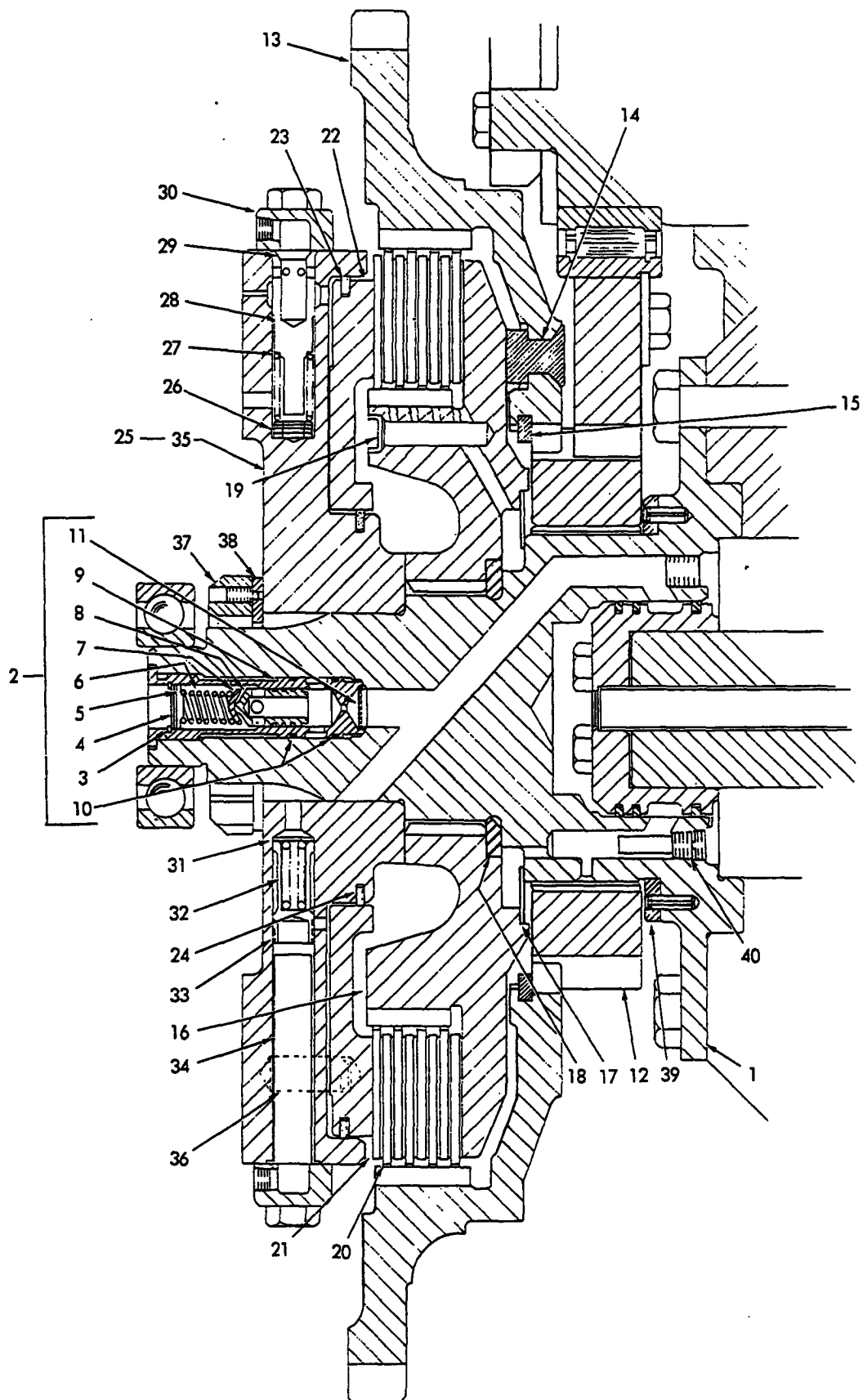
T-75087

TORQUE CONVERTER ASSEMBLY 73113159

USAGE: See page 87

ITEM PART NO. QTY. DESCRIPTION

1	-----	1	TORQUE CONVERTER SUB-ASSY. (See page 93)
2	70921076	14	CAPSCREW, 3/8" NC x 1-1/4"
3	70657982	1	□ GASKET
4	70657977	1	HOUSING (Torque Converters prior to S/N 261731)
	73110162	1	HOUSING (Torque Converter S/N 261731 and up)
	70917673	1	PLUG, pipe, hex-socket, 1/8" NPT (Late units)
5	-----	1	ENGINE CLUTCH SUB-ASSY. (See page 91)
6	73043771	12	CAPSCREW
7	70058974	1	BEARING
8	70054073	1	BEARING
9	70657981	1	GEAR
10	73007501	1	BEARING
11	70935011	1	□ O-RING
12	70657978	1	CARRIER
13	70931463	1	RING
14	73126342	1	SEAL
15	70666071	1	SPACER
16	70670411	1	BEARING
17	70657991	1	SHAFT
18	73043929	2	CAPSCREW
19	70657958	1	GEAR
20	70657989	2	WASHER (half only)
21	70639534	4	CAPSCREW, self-locking, 3/8" NF x 5/8"
22	70067766	1	BEARING
23	70666042	1	GEAR
24	70656774	1	BEARING
25	70056362	1	RING
26	70657986	1	ADAPTER
27	70188476	1	RING
28	73110164	1	FITTING ASSY. (Tractor unit #21221 and up, excluding #21247 thru #21249 and #21259)



ENGINE CLUTCH SUB-ASSEMBLY

T-77665

ENGINE CLUTCH SUB-ASSEMBLY

USAGE: See page 89

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70689381	1	FLANGE ASSY. (Torque Converters prior to S/N 261731)	} Each includes Plug indented below
	73110161	1	FLANGE ASSY. (Torque Converter S/N 261731 and up)	
	70676130	2	PLUG, pipe, hex-socket, 1/8"NPT	
	70911201	1	KEY, woodruff #E, 3/8" x 1-1/4"	
2	70668837	1	VALVE ASSY., check (Includes items 3 thru 11)	
3	70662919	1	RING	
4	70662920	-	WASHER (.010" thick)	} Use as required
	70656704	-	WASHER (.024" thick)	
	70925966	-	WASHER (.049" thick)	
5	70662918	1	GUIDE	
6	70670631	1	SPRING	
7	70662917	1	SEAT	
8	70662916	1	PISTON	
9	-----	-	SLEEVE (Not serviced separately)	
10	70186451	2	O-RING	
11	70639939	1	SCREEN	
12	70698911	1	GEAR ASSY. (Includes bushing which is not serviced separately)	
13	70698909	1	SPIDER ASSY. (Includes item 14)	
14	70698912	1	BUTTON	
15	70698913	1	RING	
16	70698910	1	HUB ASSY. (Includes items 17 and 19)(Torque Converter prior to S/N 277247)	
	73133474	1	HUB ASSY. (Includes items 17 and 19)(Torque Converter S/N 277247 and up)	
17	70658023	1	PLATE	
18	70670386	2	WASHER	
19	70638767	12	PLUG, 7/16" diam.	
20	70676092	4	PLATE	
21	70657967	4	PLATE	
22	70657970	1	PISTON	
23	70658931	1	□GASKET	
24	70666039	1	□GASKET	
25	70684749	1	CARRIER ASSY. (Includes items 26 thru 35)	
26	70656704	-	WASHER (.024" thick)	} Use as required
	70925966	-	WASHER (.049" thick)	
27	70665851	1	SPRING	
28	70667055	1	PISTON	
29	70639939	1	FILTER	
30	70675282	2	CAP ASSY. (Includes plug indented below)	
	70927473	2	PLUG, pipe, hex-socket, 1/16"NPT	
	70916271	4	CAPSCREW, 3/8"NC x 1"	
31	70656704	1	WASHER	
32	70665852	1	SPRING	
33	70661583	1	PISTON	
34	70666036	1	SLEEVE	
35	70684748	1	CARRIER (Includes item 36)	
36	-----	2	PIN (Not serviced separately. Order item 35)	
37	73127829	1	NUT	
	70930207	1	SETSCREW	

(Continued)

ENGINE CLUTCH SUB-ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
38	73127828	1	WASHER
39	70689378	.1	WASHER
	70917947	2	PIN, spring
40	73110979	1	PLUG (Torque Converter prior to S/N 261731, use with first type Flange only)

TORQUE CONVERTER SUB-ASSEMBLY

USAGE: See page 89

ITEM	PART NO.	QTY.	DESCRIPTION
1	70657949	1	HOUSING
2	70668281	1	CARRIER
3	70921566	4	CAPSCREW, 5/16"NC x 1"
4	70681070	5	RING, sealing
5	70696850	1	BEARING
6	70657944	1	CARRIER
7	70186531	1	RING
8	70657947	1	HUB
	70923276	20	CAPSCREW, 3/8"NF x 1"
9	70657941	1	WHEEL
10	70657955	1	RING, clamping
11	70657951	1	RACE
12	70658116	1	BEARING
13	70657953	1	RACE
14	70657954	2	RING
15	70657943	1	WHEEL
16	70657945	1	CARRIER ASSY. (Includes item 17)
17	70689368	1	BUSHING
18	70657952	2	RACE
19	70658115	1	BEARING
20	70665771	1	RING, sealing
21	70657948	1	HUB
22	70657942	1	WHEEL
	70927173	36	CAPSCREW, 3/8"NC x 1-1/8"
	70657956	36	WASHER
23	70657950	1	PLATE
	70922763	12	CAPSCREW, 3/8"NC x 1"
24	70657988	1	SUPPORT ASSY. (Includes bushing which is not serviced separately)
	70920582	7	CAPSCREW, 1/2"NC x 1-1/4"
25	70657985	1	HOUSING ASSY., (Includes items 26 and 27)
	70926292	1	CONNECTOR, flare type, 1/4" tube, 9/16"NF male end (Includes O-RING)
	70921467	1	CAP, flare type, 1/4" tube
	70921885	1	O-RING
26	70669020	1	TUBE
27	70669021	1	CLAMP
	70903628	1	CAPSCREW, 3/8"NC x 5/8"
	70657956	1	WASHER
28	70188309	2	PIN
29	70657999	1	TUBE
30	70657998	1	SHAFT
31	73134163	1	BEARING
32	73126336	1	☐ SEAL
33	70658026	1	☐ GASKET
34	70657994	1	CARRIER
	70921076	6	CAPSCREW, 3/8"NC x 1-1/4"
35	70657993	1	ADAPTER

(Continued)

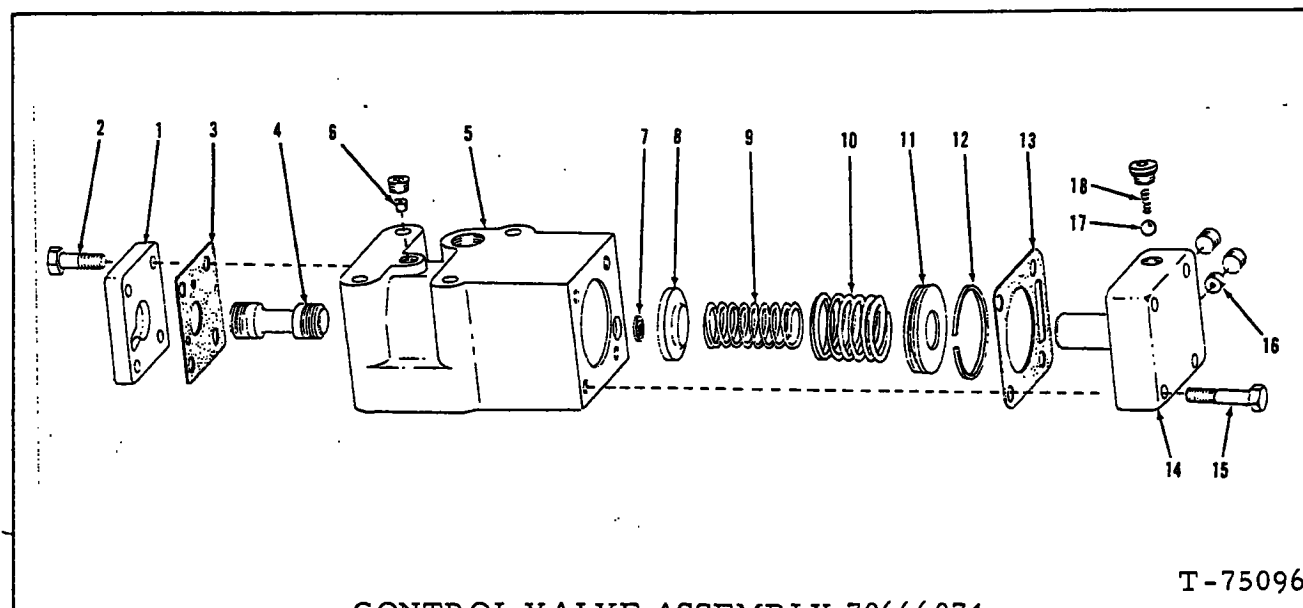
(Revised May 1982)

TORQUE CONVERTER SUB-ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
36	70926288	1	□ O-RING
37	70658001	1	WASHER
	70915513	1	PIN, spring, 1/4" x 3/4"
38	70927475	1	CAPSCREW, drilled-hd., 1/2" NC x 1-1/2"
39	70670630	1	RING
40	70658002	1	YOKE ASSY. (Includes item 41 and FITTING indented below)
	70914465	1	FITTING, lubricating, straight, 1/8" NPT
41	70665761	1	PLUG
42	70657980	1	□ GASKET
43	70657976	1	BODY
	70927446	4	CAPSCREW, 3/8" NC x 3"
	70923163	1	CONNECTOR, flare type, 1/4" tube, 7/16" NF male end (Includes O-RING)(Tractors prior to unit #21221 including #21247 thru #21249 and #21259)
	70921467	1	CAP, flare type, 1/4" tube
	70921883	1	O-RING
44	70676091	1	PISTON
45	70657990	1	SPRING
46	73035090	1	WASHER
47	73035073	1	PLUG
48	73107757	1	VALVE ASSY. (See page 96)
	70927446	4	CAPSCREW, 3/8" NC x 3"
49	70657983	1	□ GASKET
50	70666074	1	VALVE ASSY. (See page 95)
	70924843	4	CAPSCREW, 3/8" NC x 3-1/2"
51	70658008	1	□ GASKET
52	70657992	1	TUBE
53	70923561	2	□ O-RING
54	70657987	1	TUBE ASSY. (Includes nuts)
	70925983	2	ELBOW, adjustable, 90°, flare type, 3/8" tube, 9/16" male thread
	70929457	2	O-RING
55	70695518	1	FILTER
56	73110165	1	TUBE ASSY. (Includes nuts and sleeves)
	70924783	1	TEE, adjustable, flare type, 1/4" tube, 7/16" str. thd.
	70921883	1	O-RING
57	73110163	1	BRACKET
	70933976	1	WASHER
58	70925604	1	CLAMP
	70927373	1	CAPSCREW, 5/16" NC x 7/8"
	70910286	1	LOCKWASHER, 5/16"
	73046938	1	WASHER
	70910323	1	NUT, 5/16" NC

Tractor
unit #21221
and up
excluding
#21247
thru
#21249 and
#21259

(Revised June 1981)

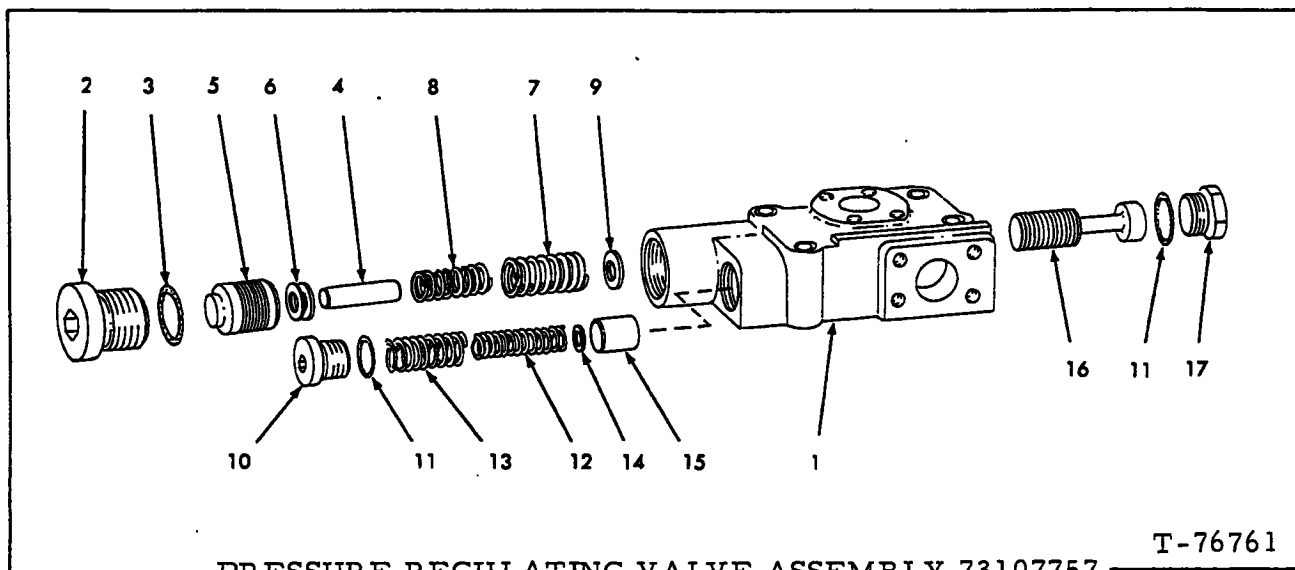


CONTROL VALVE ASSEMBLY 70666074

T-75096

USAGE: See page 94

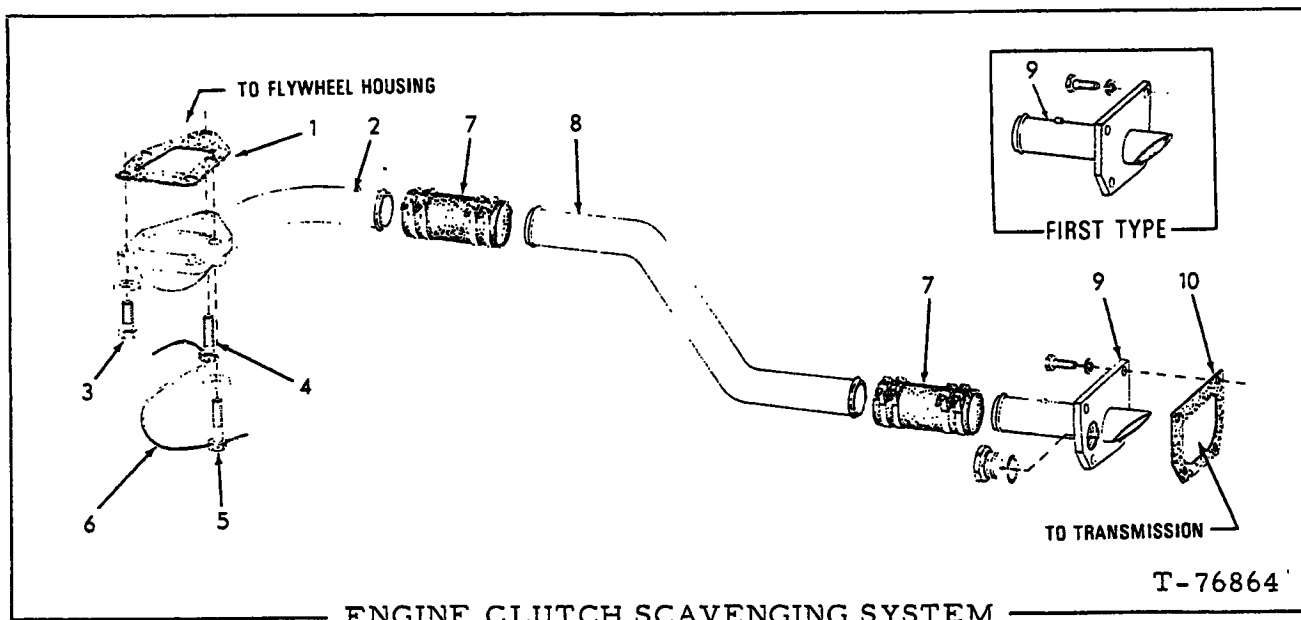
ITEM	PART NO.	QTY.	DESCRIPTION
1	70659129	1	CAP
2	70921566	4	CAPSCREW, 5/16"NC x 1"
3	70658010	1	□ GASKET
4	70682371	1	SPOOL
5	70658004	1	BODY
	70917673	1	PLUG, pipe, hex-socket, 1/8"NPT
6	70188168	1	PLUG
7	70639939	1	FILTER
8	70658019	1	SEAT
9	70659135	1	SPRING
10	70658017	1	SPRING
11	70658011	1	PISTON
12	73034905	1	RING
13	70658009	1	□ GASKET
14	70687659	1	COVER ASSY. (Includes pin)
	70917673	2	PLUG, pipe, hex-socket, 1/8"NPT
	70929792	1	PLUG, hex-socket, 3/8"NF straight thd.
	70927555	1	O-RING
15	70920660	4	CAPSCREW, 5/16"NC x 1-1/2"
16	70661237	1	PLUG
17	70915904	1	BALL
18	70658005	1	SPRING



PRESSURE REGULATING VALVE ASSEMBLY 73107757

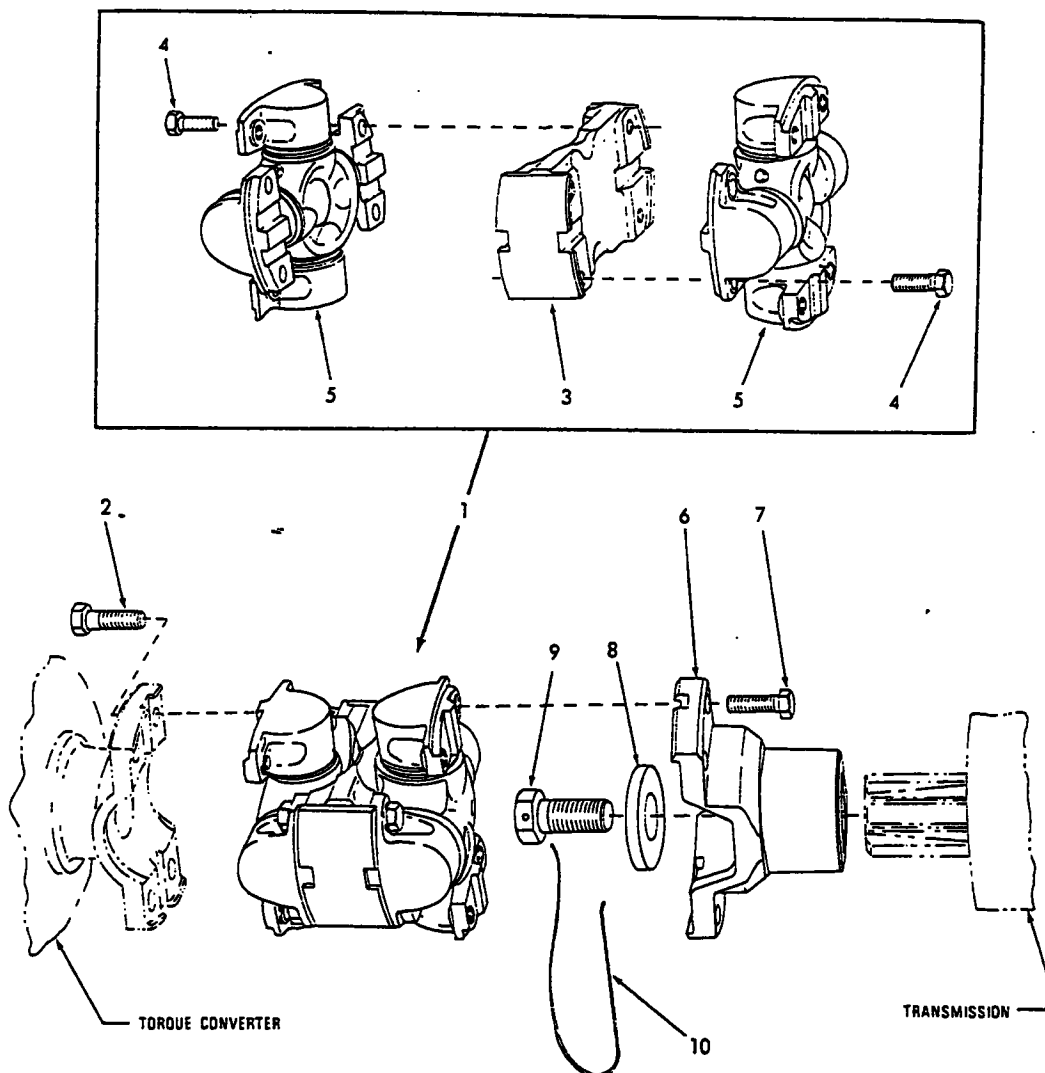
USAGE: See page 94

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	BODY (Not serviced separately)
2	70931725	1	PLUG (Ctsk. -hd., 1-5/8"NF straight thread)
3	70921235	1	O-RING
4	73107758	1	PIN
5	73107759	1	PISTON, short
6	70680899	-	WASHER (.065" thick)
	70689371	-	WASHER (.030" thick)
7	70666081	1	SPRING, outer
8	70666082	1	SPRING, inner
9	73037730	1	WASHER
10	70931724	1	PLUG (Ctsk. -hd., 1-1/16"NF straight thread)
11	73041475	2	O-RING
12	70659615	1	SPRING, inner
13	70658025	1	SPRING, outer
14	70644266	-	WASHER (Use as required)
15	73035074	1	PISTON
16	70681223	1	PISTON, long
17	70669423	1	PLUG (1-1/16"NF thread)



ENGINE CLUTCH SCAVENGING SYSTEM

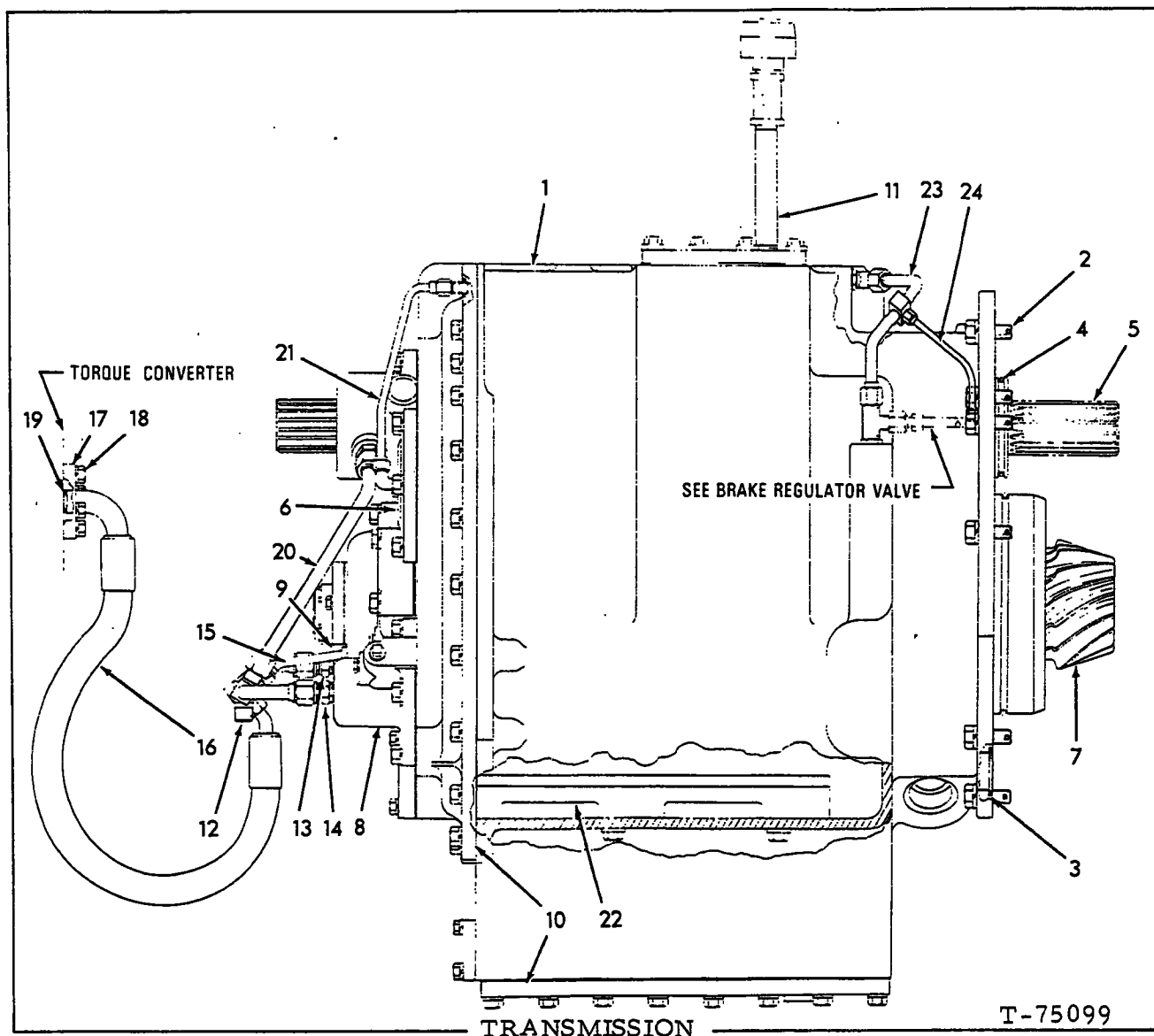
ITEM	PART NO.	QTY.	DESCRIPTION
1	70640636	1	□ GASKET
2	70670634	1	ELBOW
3	70920574	3	CAPSCREW, 1/2"NC x 1-3/8"
4	70929074	1	CAPSCREW, drilled-hd., 1/2"NC x 2"
5	70929075	1	CAPSCREW, drilled-hd., 1/2"NC x 2-1/4"
	70677008	4	WASHER
6	70023633	1	WIRE, locking, 1/16"
7	73108442	2	HOSE
	70927249	8	CLAMP
8	70670708	1	TUBE (Tractors prior to unit #21444)
	73111750	1	TUBE (Tractors unit #21244 and up)
9	70695256	1	TUBE (Tractors prior to unit #21444)
	73111761	1	TUBE (Tractors unit #21244 and up)(Early units)
	73119164	1	TUBE
	70924102	1	PLUG } Late units
	70930725	1	O-RING
	70927173	4	CAPSCREW, 3/8"NC x 1-1/8" (Early units)
	70921565	4	CAPSCREW, 3/8"NC x 1-1/2" (Late units)
	70910287	4	LOCKWASHER, 3/8"
10	70662633	1	GASKET



UNIVERSAL JOINT

T-74957

ITEM	PART NO.	QTY.	DESCRIPTION
1	70681050	1	JOINT ASSY. (Includes items 3 thru 5)
2	70927574	4	CAPSCREW, 1/2"NF x 1-3/8"
3	70667192	1	PLATE
4	70682649	8	CAPSCREW
5	70681049	2	SPIDER ASSY. (Includes Spider and Bearing)(Serviced only as a unit)
	70912808	2	FITTING, lubricating, straight, 1/4"NF (Not original equipment)
6	70628794	1	YOKE
7	70927574	4	CAPSCREW, 1/2"NF x 1-3/8"
8	70075420	1	WASHER
9	70663468	1	CAPSCREW, drilled-hd., 1-1/8"NF x 2-1/8"
10	70023633	1	WIRE, locking, 1/16" x 12"



ITEM	PART NO.	QTY.	DESCRIPTION
1	73110836	1	TRANSMISSION ASSY. (Includes items 5 thru 10)(Tractors prior to unit #21927)(If for first replacement on tractors prior to unit #21388, excluding EXCEPTIONS listed below, also order 1 ELBOW 70921402, 2 CONNECTORS 70921409 and 1 PLUG 70921573)
	73119316	1	TRANSMISSION ASSY. (Includes items 5 thru 10)(Tractor unit #21927 and up)
2	70930894	1	SCREW, 12 pt-hd., Nylok, 5/8"NF x 1-3/4"
	70926774	11	CAPSCREW, Nylok, 5/8"NC x 1-3/4"
	70912942	12	LOCKWASHER, 5/8"
3	70933492	1	☐ O-RING, lower
4	70933493	1	☐ O-RING, upper
5	-----	-	CLUTCH SHAFT (Fwd. and Reverse)(See page 107)
6	-----	-	COUNTER SHAFT (See page 106)
7	-----	-	SHAFT, bevel pinion (See page 104)
8	-----	-	CLUTCH SHAFT (First speed)(See page 108)

(Continued)

(Revised February 1980)

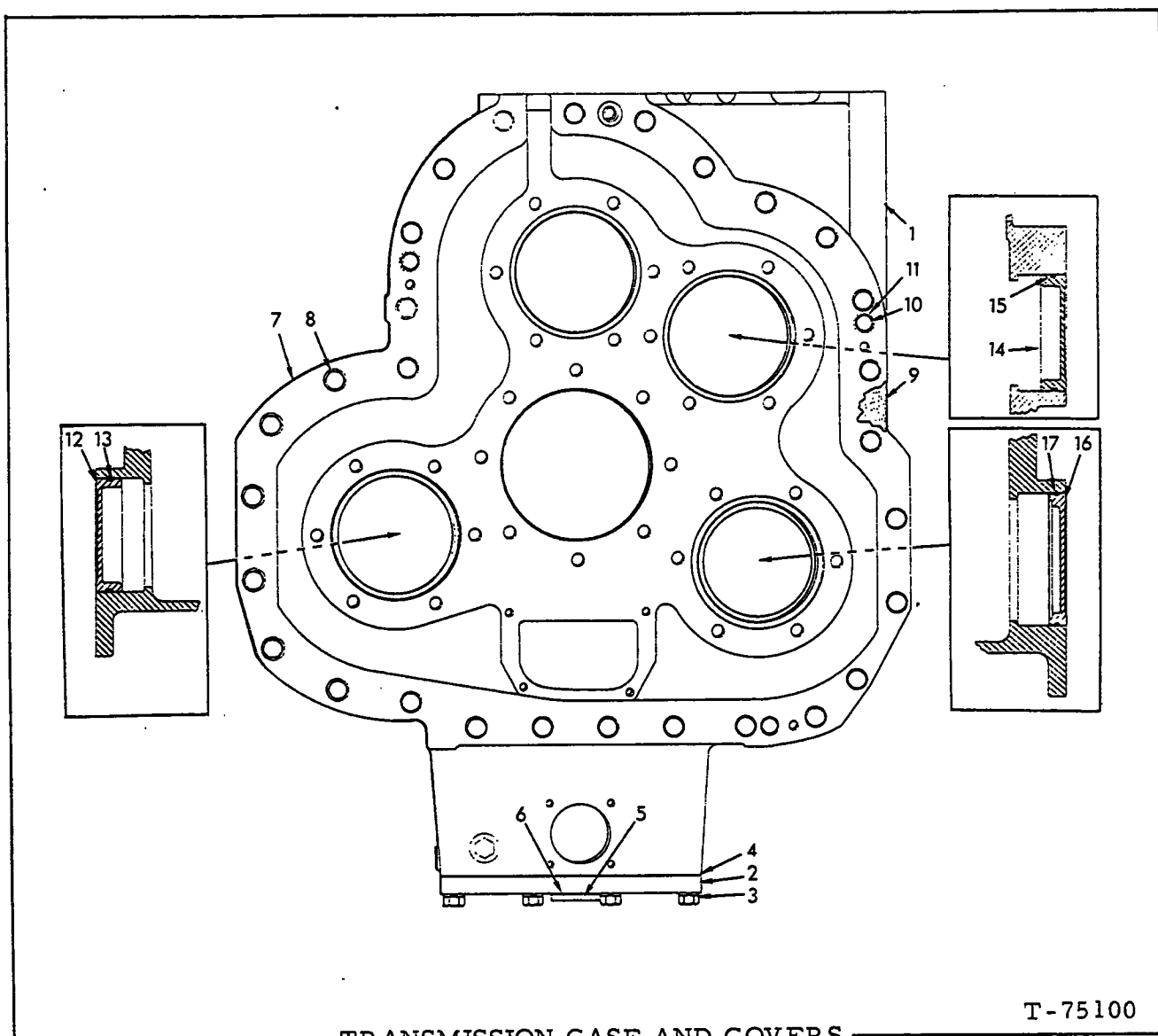
TRANSMISSION (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	-----	-	CLUTCH SHAFT (2nd and 3rd speeds)(See page 109)
10	-----	-	CASE AND COVERS (See page 102)
11	-----	-	OIL FILLER AND BREATHER (See page 116)
12	73107528	1	TUBE ASSY. (Includes nuts)
13	70665687	1	CONNECTOR, right side (restricted)
14	70665688	1	CONNECTOR, left side (restricted)
15	70654002	1	TUBE ASSY. (Includes nuts)
	70919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
16	70670706	1	HOSE
17	70921117	2	FLANGE (half only)
18	70921569	4	CAPSCREW, 7/16"NC x 1-1/4"
	70914678	4	LOCKWASHER, 7/16"
19	70925919	1	O-RING
20	70654277	1	TUBE ASSY. (Includes nuts)
	70933479	1	CONNECTOR, flare type, 5/8" tube, 7/8"NF straight male thread
	70930724	1	O-RING
21	70654061	1	TUBE ASSY. (Includes nuts)
	70933470	1	CONNECTOR, flare type, 3/8" tube, 9/16"NF male end
	70919135	1	ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT male
	70933476	1	O-RING
22	70663343	1	BAFFLE
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"
	70926180	4	WASHER
23	70662549	1	TUBE ASSY. (Includes nuts)(Not used on units equipped with special Brake Lock)(Tractors prior to unit #21927)
	73115354	1	TUBE ASSY. (Includes nut)(Not used on units equipped with special Brake Lock)(Tractors unit #21927 and up)
	70933503	1	ELBOW, adjustable, 45°, flare type, 1/2" tube, 3/4"NF (Includes washer and nut)
	70933506	1	TEE, adjustable, flare type, 1/2" tube, 3/4" straight-thd. (Includes washer and nut)
	70933466	2	O-RING
24	73114823	1	TUBE ASSY. (Includes nuts)(Not used on units equipped with special Brake Lock)
	70927424	1	CONNECTOR, flare type, 1/4" tube 7/16" str. thd.
	70933475	1	O-RING

Tractors
unit #21927
and up

EXCEPTIONS: Tractors Serial No. 71A

21137	21289	21325	21339	21353	21362	21372	21381
21201	21305	21327	21341	21354	21363	21373	21383
21205	21306	21328	21342	21355	21364	21374	21384
21212	21312	21329	21344	21356	21366	21376	21385
21262	21315	21333	21345	21358	21368	21377	21386
21264	21318	21334	21347	21359	21369	21378	21387
21274	21319	21335	21350	21360	21370	21379	
21286	21322	21338	21352	21361	21371	21380	

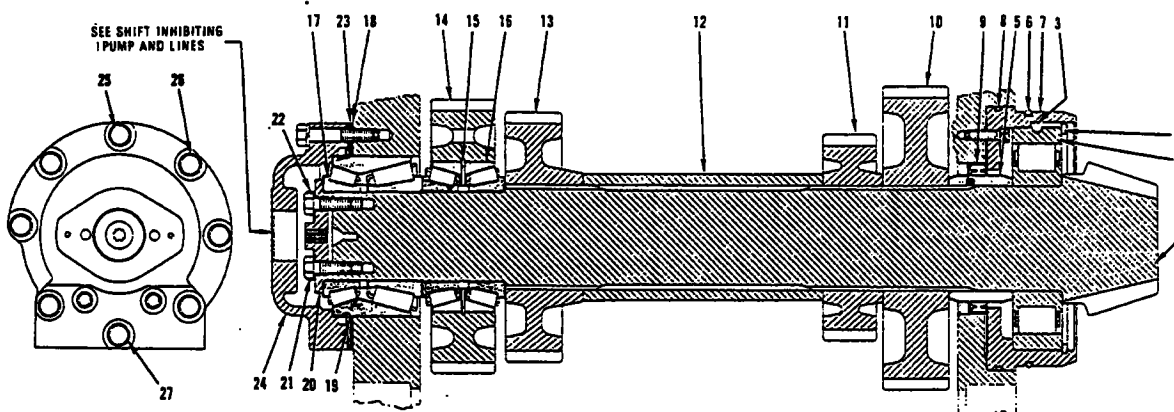


ITEM	PART NO.	QTY.	DESCRIPTION
1	70691578	1	CASE(Tractors prior to unit #21927)
	73118257	1	CASE(Tractors unit #21927 and up)
	70927547	1	PLUG, 1/2" tube, 3/4" straight thd.
	70933466	1	O-RING
2	70654105	1	COVER
3	70920585	21	CAPSCREW, 1/2"NC x 1-3/4"
	70912441	21	LOCKWASHER, 1/2"
4	70654104	1	□GASKET
5	70035250	1	PLUG
6	70667252	1	□GASKET

(Continued)

TRANSMISSION CASE AND COVERS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	70656681	1	COVER (Tractor prior to unit #21388 excluding EXCEPTIONS listed on page 101)
	73112627	1	COVER (Tractor unit #21388 and up including EXCEPTIONS listed on page 101)
8	70920583	29	CAPSCREW, 1/2"NC x 1-1/2"
	70058614	2	WASHER
	70912441	29	LOCKWASHER, 1/2"
9	70653798	1	□GASKET
10	70624695	3	PIN
11	70623804	3	RING
12	70656756	1	PLUG (4-23/32" diam.)
13	70923819	1	□O-RING (4-5/8" O. D.)
14	70656746	1	PLUG(4-29/32" diam.)(Tractors prior to unit #21927)
	73118287	1	PLUG(4-29/32" diam.)(Tractors unit #21927 and up)
15	70923821	1	O-RING (4-7/8" O.D.)
16	70656766	1	PLUG (5-1/2" diam.)
17	70923823	1	O-RING (5-3/8" O.D.)



TRANSMISSION BEVEL PINION SHAFT

T-75104

ITEM	PART NO.	QTY.	DESCRIPTION
1	70656790	1	PINION (12 teeth)(Tractors prior to unit #21869)
	73116296	1	PINION (12 teeth)(Tractor unit #21869 and up)
2	70629355	1	RING
3	70905360	1	BALL (3/8" diam.)
4	70644337	1	BEARING, roller
5	70657313	1	SPACER
6	70925241	1	O-RING
7	70653740	1	RETAINER
	70917733	6	CAPSCREW, socket-hd., 3/8"NC x 1-1/4"
8	70925652	1	O-RING
9	70648619	1	SEAL
10	70656594	1	GEAR, first speed (59) teeth)
11	70656593	1	GEAR, third speed (39 teeth)
12	73110705	1	SLEEVE ASSY. (Includes PIN indented below)
	70681103	1	PIN
13	70656597	1	GEAR, second speed (48 teeth)
14	73126237	1	GEAR, idling (53 teeth)
15	70629138	1	RING
16	70657324	1	BEARING, roller (Includes 2 roller assemblies, 2 cups, and 1 spacer. Serviced only as a unit.)
17	70657318	1	BEARING, roller (Includes 2 roller assemblies, 1 cup and 1 spacer. Serviced only as a unit)
18	70657315	7	SHIM (.005" thick)
	70657316	5	SHIM (.007" thick)
	70657317	7	SHIM (.010" thick)
19	70657302	1	RING
20	70662411	1	RETAINER, inner
21	70922726	3	CAPSCREW, 1/2"NF x 1-1/2"
22	70629358	1	PLATE, capscrew, locking

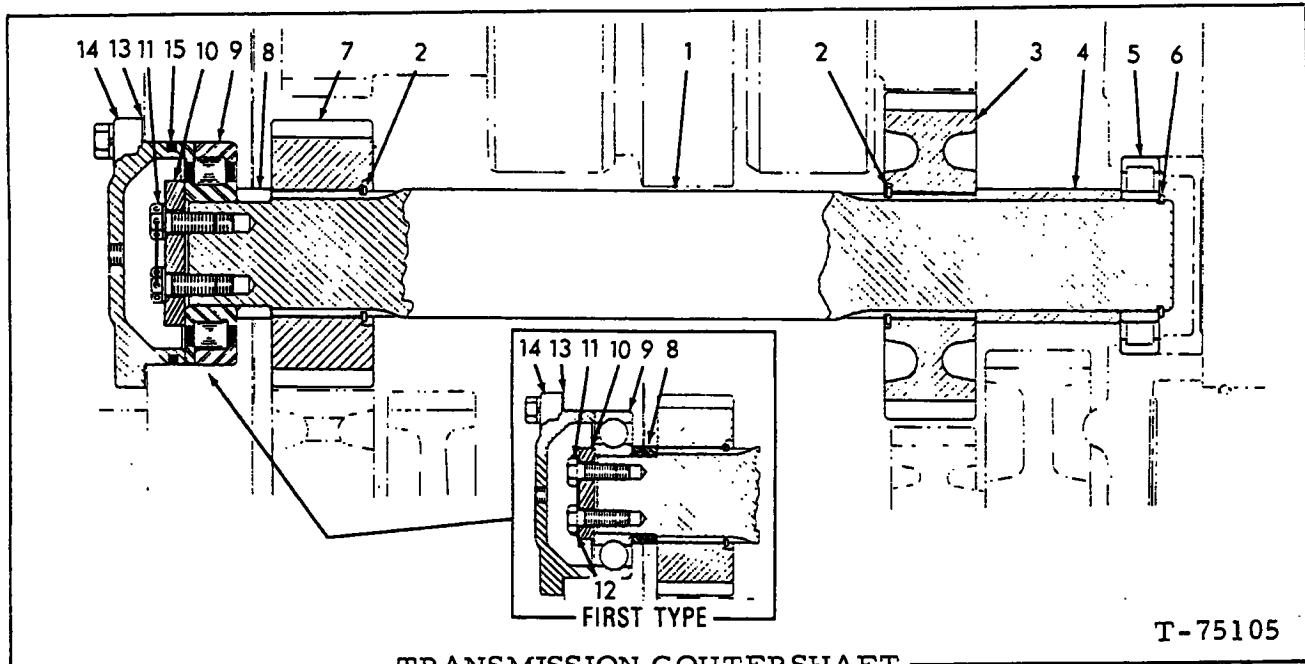
Use as required

(Continued)

(Revised June 1980)

TRANSMISSION BEVEL PINION SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
23	70657312	5	SHIM (.005" thick)
	70657314	5	SHIM (.007" thick)
			} Use as required
24	70653819	1	RETAINER, outer
25	70922526	3	CAPSCREW, 1/2"NC x 2-1/2"
26	70922510	2	CAPSCREW, 1/2"NC x 2-3/4"
27	70925889	3	CAPSCREW, 1/2"NC x 4-1/2"
	70912441	8	LOCKWASHER, 1/2"
	70910244	2	WASHER



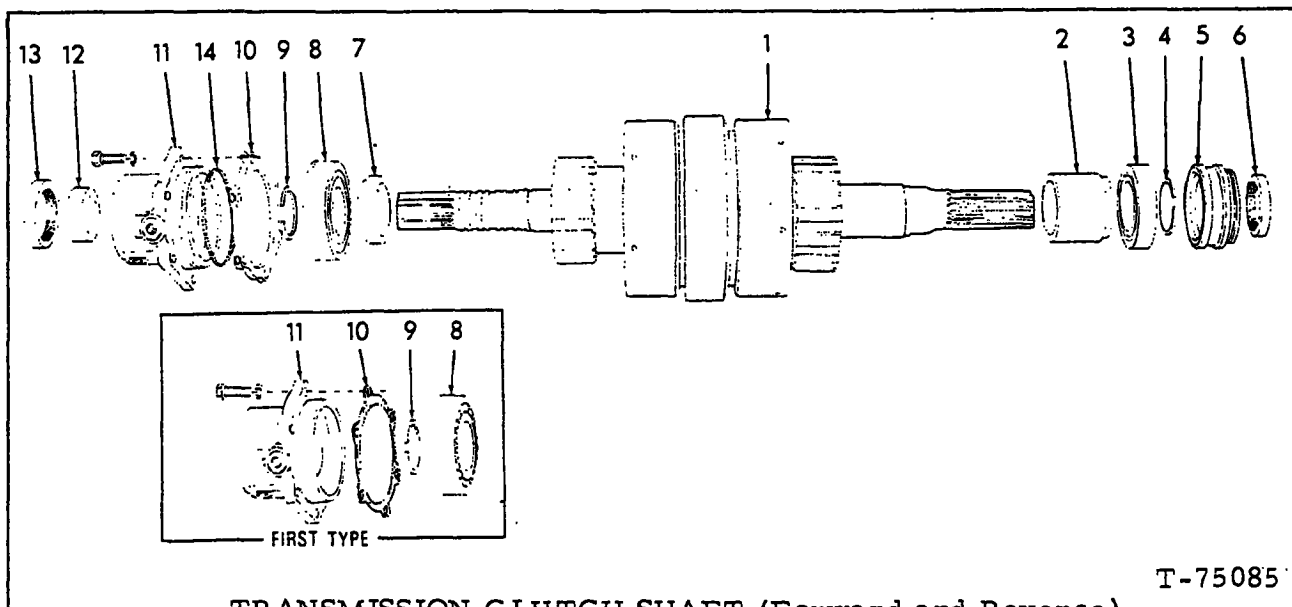
TRANSMISSION COUNTERSHAFT

T-75105

- * Tractors prior to serial No. 71A21388 excluding
EXCEPTIONS listed on page 101
- ** Tractor serial No. 71A21388 and up, including
EXCEPTIONS listed on page 101

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70657328	1 1	SHAFT
2	70657299	2 2	RING
3	70656601	1 1	GEAR (39 teeth)
4	70657322	1 1	SPACER
5	73119394	1 1	BEARING, roller
6	70624688	1 1	RING
7	70656602	1 1	GEAR (31 teeth)
8	70657305	1 -	*SPACER
	73112630	- 1	SPACER
9	70647996	1 -	*BEARING, ball
	73112620	- 1	BEARING, roller
10	70629350	1 -	*WASHER
	73112625	- 1	WASHER
11	70927574	2 -	CAPSCREW, 1/2"NF x 1-3/8"
	70035689	- 2	CAPSCREW, drilled-hd., 1/2"NF x 1-3/8"
	70928460	- 2	WASHER
	70023633	- 1	LOCKWIRE
12	70629349	1 -	*PLATE
13	70657319	1 -	GASKET
	73112619	- 4	SHIM (.005" thick)
	73112618	- 4	SHIM (.007" thick)
14	70657329	1 -	*RETAINER
	73112624	- 1	RETAINER
	70920583	6 6	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	6 6	LOCKWASHER, 1/2"
15	70929881	- 1	O-RING

NOTE: For initial replacement on items indicated by asterisk (*) order TRANSMISSION FRONT ROLLER BEARING KIT 73112623 (See page 9A). Once KIT has been installed, service with items listed in second column.



T-75085

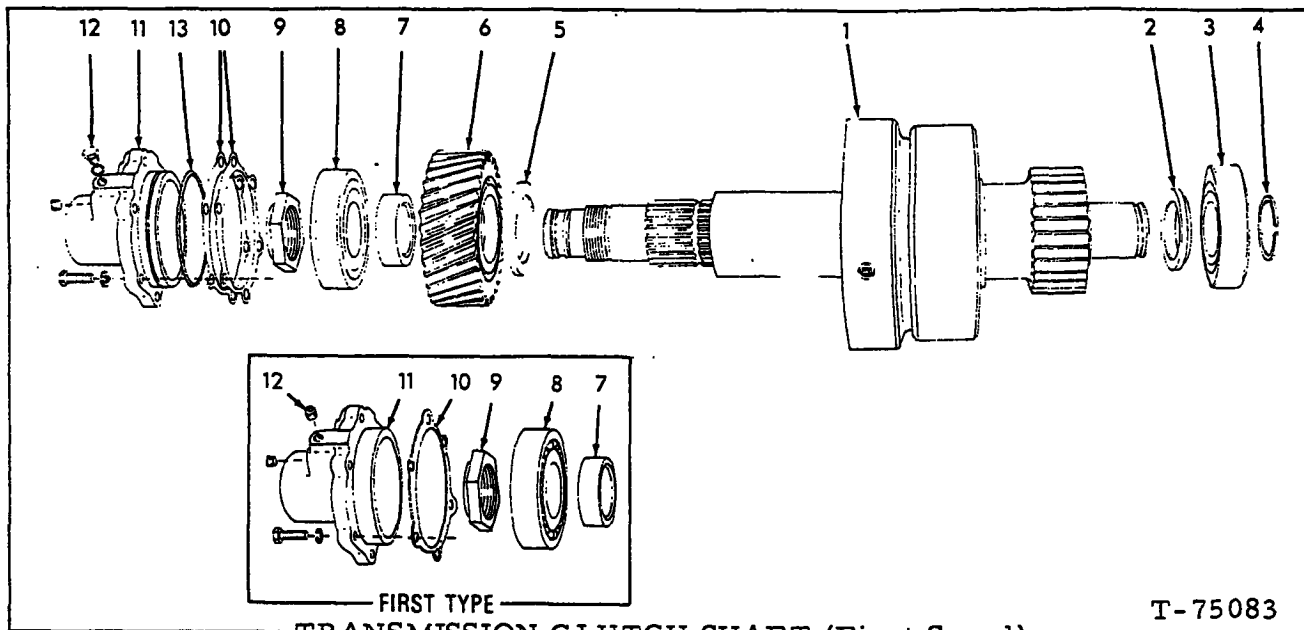
TRANSMISSION CLUTCH SHAFT (Forward and Reverse)

* Tractors prior to serial No. 71A21388 excluding
EXCEPTIONS listed on page 101

** Tractor serial No. 71A21388 and up, including
EXCEPTIONS listed on page 101

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	73117780	1 1	CLUTCH AND SHAFT ASSY. (See page 114)
2	70657323	1 1	SPACER
3	73119394	1 1	BEARING, roller
4	70624688	1 1	RING
5	70663442	1 1	RETAINER
6	73118975	1 1	SEAL
7	70656612	1 1	□SPACER
8	70647996	1 -	* BEARING, ball
	73112620	- 1	BEARING, roller
9	70624783	1 -	RING
	73112617	- 1	RING
10	70657319	1 -	□GASKET
	73112619	- 4	SHIM (.005" thick) } Use as required
	73112618	- 4	SHIM (.007" thick) }
11	70670397	1 -	* COLLECTOR
	73112626	- 1	COLLECTOR
	70920583	6 6	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	6 6	LOCKWASHER, 1/2"
12	70657581	1 1	SPACER
13	70657582	1 1	□SEAL
14	70929881	- 1	O-RING

NOTE: For initial replacement on items indicated by asterisk (*) order TRANSMISSION FRONT ROLLER BEARING KIT 73112623. (See packaged parts) Once KIT has been installed, service with items listed in second column.



T-75083

TRANSMISSION CLUTCH SHAFT (First Speed)

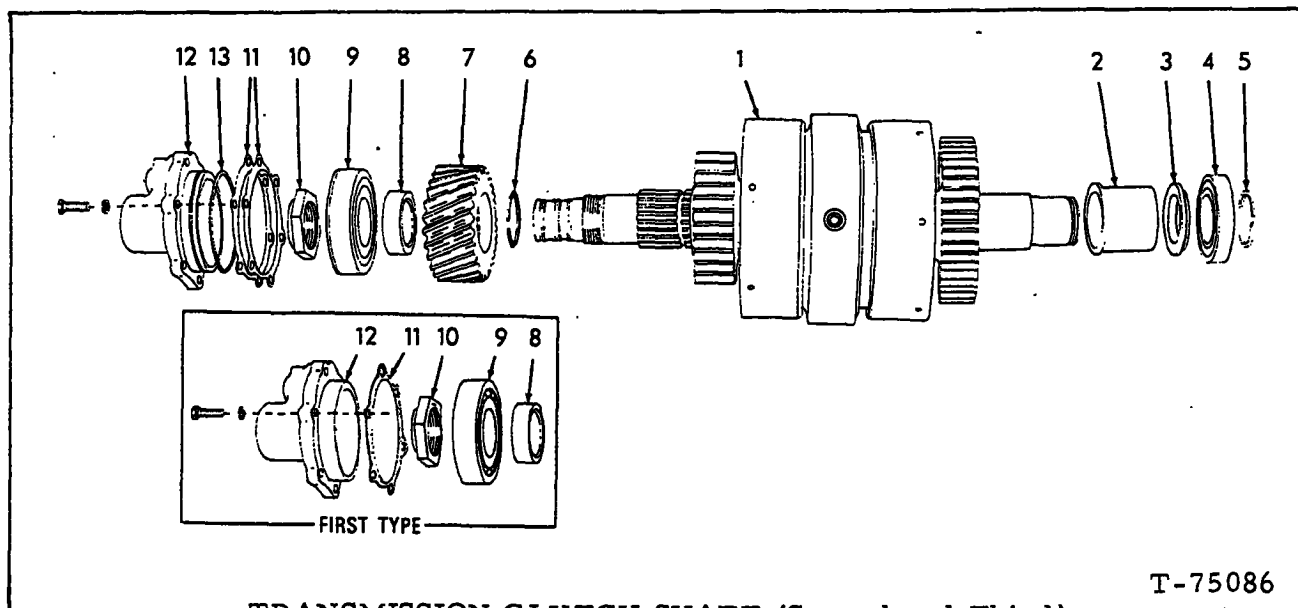
* Tractors prior to serial No. 71A21388 excluding
EXCEPTIONS listed on page 101

**Tractor serial No. 71A21388 and up including EXCEPTIONS
listed on page 101.

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	73117782	1 1	CLUTCH AND SHAFT ASSY. (See page 110)
2	70657303	1 1	SPACER
3	73119395	1 1	BEARING, roller
4	70624783	1 -	RING
	73112617	- 1	RING
5	70697802	1 1	SPACER
6	70656599	1 1	GEAR (33 teeth)
7	70657305	1 -	*SPACER
	73112630	- 1	SPACER
8	70647996	1 -	*BEARING, ball
	73112620	- 1	BEARING, roller
9	70639759	1 1	NUT
10	70628784	1 -	□GASKET
	73112621	- 4	SHIM (.005" thick)
	73112622	- 4	SHIM (.007" thick)
11	70639501	1 -	*COLLECTOR
	73108564	- 1	COLLECTOR
	70901652	1 1	PLUG, pipe, 1/4" NPT
	70920583	6 6	CAPSCREW, 1/2" NC x 1-1/2"
	70912441	6 6	LOCKWASHER, 1/2"
12	70901653	1 -	PLUG, pipe, 3/8" NPT
	70921573	- 1	PLUG, hex-hd., 3/4" NF (Includes O-RING)
	70921349	- 1	O-RING
13	70929881	- 1	O-RING

} Use as required

NOTE: For initial replacement on items indicated by asterisk (*) order TRANSMISSION FRONT ROLLER BEARING KIT 73112623 (See page 9A). Once KIT has been installed, service with items listed in second column.



TRANSMISSION CLUTCH SHAFT (Second and Third)

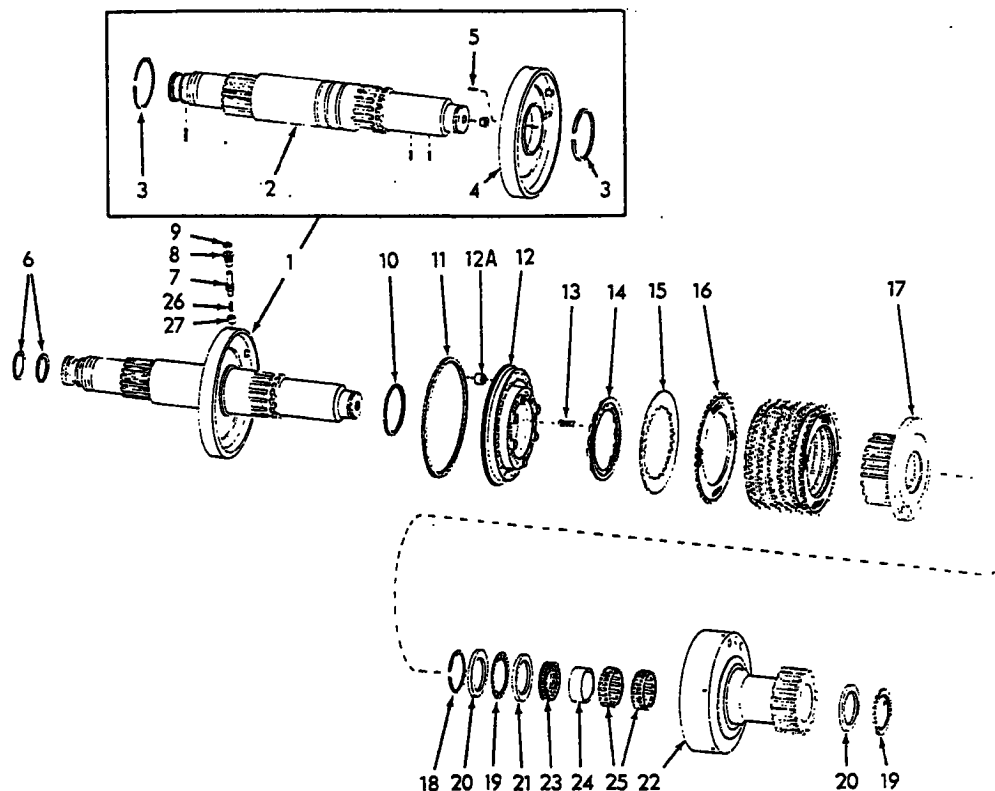
* Tractors prior to serial No. 71A21388 excluding
EXCEPTIONS listed on page 101

** Tractor serial No. 71A21388 and up, including
EXCEPTIONS listed on page 101.

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	73117781	1 1	CLUTCH AND SHAFT ASSY. (See page 112)
2	70657321	1 1	SPACER
3	70657303	1 1	SPACER
4	70042951	1 1	BEARING
5	70624783	1 -	RING
	73112617	- 1	RING
6	70629346	1 1	RING
7	70656596	1 1	GEAR (28 teeth)
8	70657305	1 -	* SPACER
	73112630	- 1	SPACER
9	70647996	1 -	* BEARING, ball
	73112620	- 1	BEARING, roller
10	70639759	1 1	NUT
11	70628784	1 -	GASKET
	73112621	- 4	SHIM (.005" thick)
	73112622	- 4	SHIM (.007" thick)
12	70639501	1 -	* COLLECTOR
	73108564	- 1	COLLECTOR
	70920583	6 6	CAPSCREW, 1/2" NC x 1-1/2"
	70912441	6 6	LOCKWASHER, 1/2"
13	70929881	- 1	O-RING

Use as required

NOTE: For initial replacement on items indicated by asterisk (*) order TRANSMISSION FRONT ROLLER BEARING KIT 73112623 (See page 9A). Once KIT has been installed service with items listed in second column.



T-79406

CLUTCH AND SHAFT ASSEMBLY 73117782

ITEM	PART NO.	QTY.	DESCRIPTION
1	73107750	1	SHAFT AND HOUSING ASSY. (Includes items 2 thru 5).
2	-----	1	SHAFT (Not serviced separately)
	70919242	3	PIN, spring, 1/8" x 3/8"
	70186648	1	PLUG, pipe, hex-socket, 1/4"NPT
3	70688799	2	RING
4	73107073	1	HOUSING ASSY. (Serviced only as a unit)
5	70695625	1	PIN
6	70692429	2	RING
7	70688737	1	VALVE
8	70672487	1	SLEEVE
9	74254663	1	RING
10	73128812	1	RING
11	79017823	1	RING, seal
12	70695756	1	PISTON (First type)
	73116320	1	PISTON ASSY. (Second type)(Includes 3/4" O.D. SLEEVE, item 12A)
	73122543	1	PISTON ASSY. (Third type)(Includes 13/16" O.D. SLEEVE, item 12A)
12A	73114227	2	SLEEVE, clutch piston (3/4" O.D.)(First type)
	73122544	2	SLEEVE, clutch piston (13/16" O.D.)(Second type)
13	70695755	6	SPRING
14	70688801	1	RETAINER (Early design)
	73109091	1	RETAINER ASSY. (Includes RETAINER which is not serviced separately and item 13)(Late design)

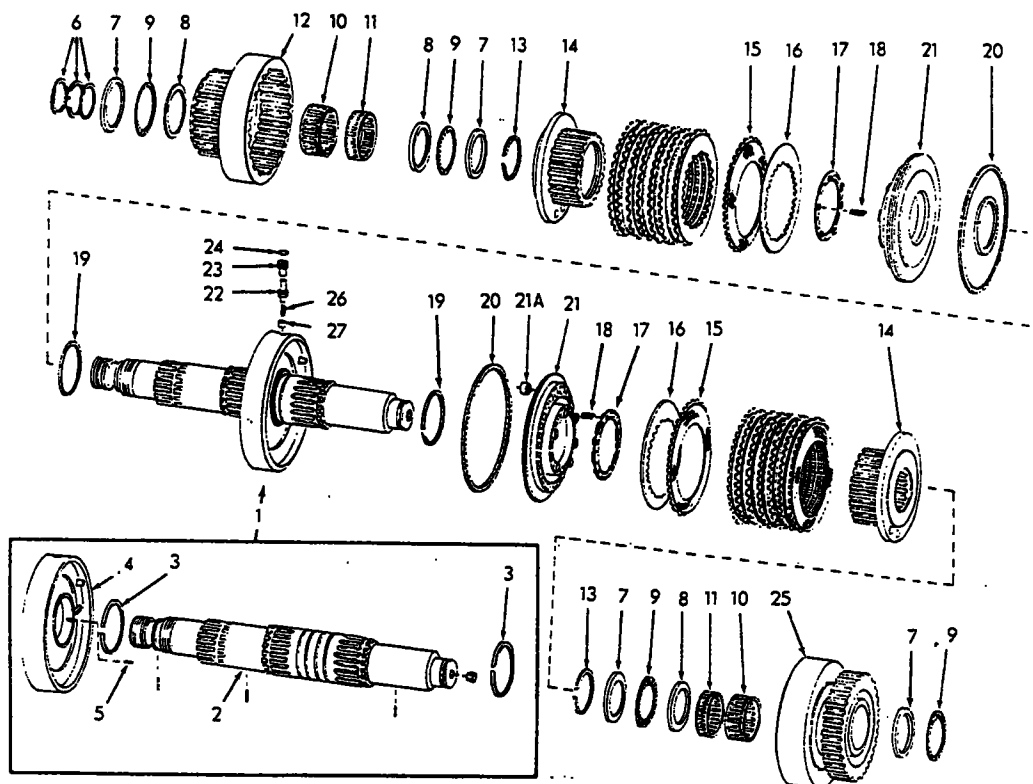
(Continued)

(Revised July 1980)

CLUTCH AND SHAFT ASSEMBLY 73117782 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
15	70688802	8	PLATE (flat)
16	-----	8	PLATE (bi-metal)(Diamond grooved pattern)(Tractors prior to unit #21927)(Order 8 PLATE 79019030)
	79019030	8	PLATE (bi-metal)(Square grooved pattern)(Tractor unit #21927 and up)
17	70695751	1	HUB
18	70688799	1	RING
19	73037597	2	BEARING
20	73037598	2	WASHER
21	70699049	1	WASHER
22	70699203	1	GEAR AND DRUM
23	70639547	1	BEARING, roller (1" wide)
24	70656981	1	SPACER
25	73037656	2	BEARING, roller (1-1/2" wide)
26	70693569	1	SPRING
27	70688804	1	VALVE, feedback

(Revised July 1980)



T-79407

CLUTCH AND SHAFT ASSEMBLY 73117781

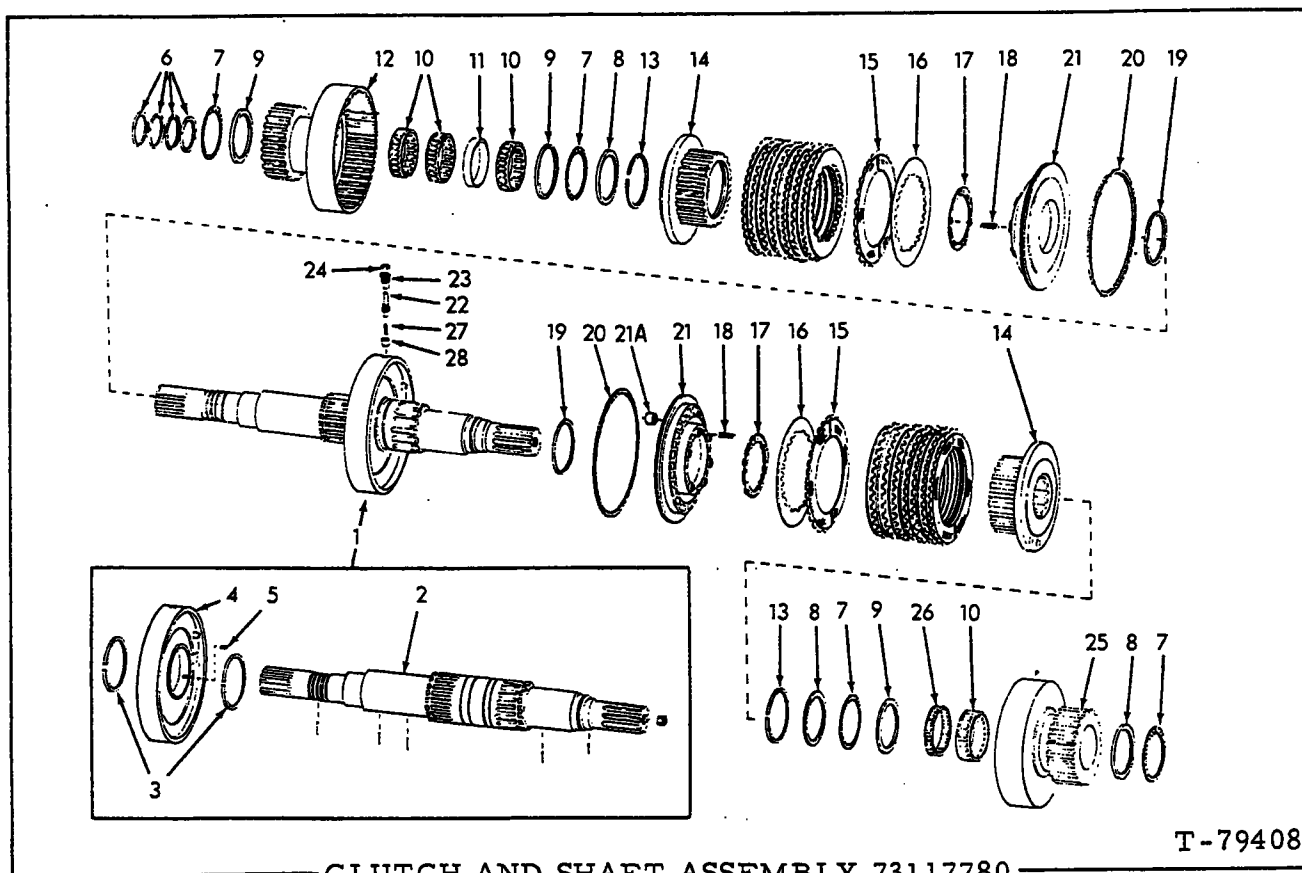
ITEM	PART NO.	QTY.	DESCRIPTION
1	73107692	1	SHAFT AND HOUSING ASSY. (Includes items 2 thru 5)
2	-----	1	SHAFT (Not serviced separately)
	70919242	3	PIN, spring, 1/8" x 3/8"
	70186648	1	PLUG, pipe, hex-socket, 1/4" NPT
3	70688799	2	RING
4	73107822	1	HOUSING ASSY. (Serviced only as a unit)
5	70695625	1	PIN
6	70692429	3	RING
7	73037598	4	WASHER
8	70699049	3	WASHER
9	73037597	4	BEARING
10	73037656	2	BEARING, roller (1-1/2" wide)
11	70639547	2	BEARING, roller (1" wide)
12	70699204	1	GEAR AND DRUM, second speed
13	70688799	2	RING
14	70695751	2	HUB
15	-----	16	PLATE(bi-metal)(Diamond grooved pattern)Order 8
			PLATE 79019030 for each clutch serviced(Tractors
			prior to unit #21 927).
	79019030	16	PLATE(bi-metal)(Square grooved pattern)(Tractors
			unit #21927 and up)
16	70688802	16	PLATE (flat)
17	70688801	2	RETAINER (Early design)
	73109091	1	RETAINER ASSY. (Includes RETAINER which is not
			serviced separately and item 18)(Late design)

(Continued)

(Revised July 1980)

CLUTCH AND SHAFT ASSEMBLY 73117781 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
18	70695755	12	SPRING
19	73128812	2	RING
20	79017823	2	RING, seal
21	70695756	2	PISTON (First type)
	73116320	2	PISTON ASSY. (Second type)(Includes 3/4" O.D. SLEEVE, item 21A)
	73122543	2	PISTON ASSY. (Third type)(Includes 13/16" O.D. SLEEVE, item 21A)
21A	73114227	4	SLEEVE, clutch piston (3/4" O.D.)(First type)
	73122544	4	SLEEVE, clutch piston (13/16" O.D.)(Second type)
22	70688737	2	VALVE
23	70672487	2	SLEEVE
24	74254663	2	RING
25	70699205	1	GEAR AND DRUM, third speed
26	70693569	2	SPRING
27	70688804	2	VALVE



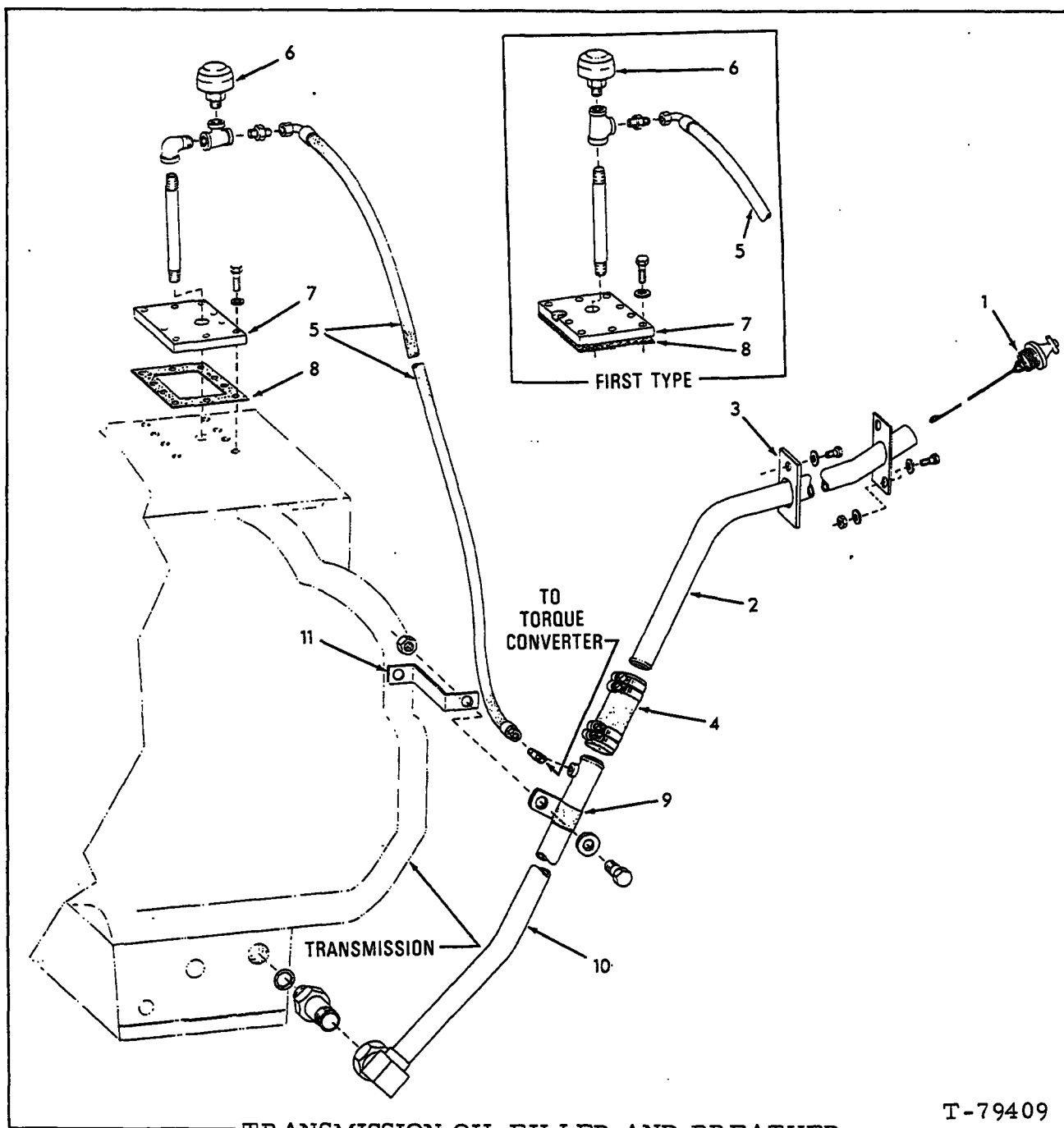
ITEM	PART NO.	QTY.	DESCRIPTION
1	73107693	1	SHAFT AND HOUSING ASSY. (Includes items 2 thru 5)
2	-----	1	SHAFT (Not serviced separately)
	70919242	4	PIN, spring, 1/8" x 3/8"
	70918547	1	PIN, spring, 1/8" x 1/2"
	70907859	1	PLUG, pipe, hex-socket, 1/4"NPT
3	70688799	2	RING
4	73107822	1	HOUSING ASSY. (Serviced only as a unit)
5	70695625	1	PIN
6	70681070	4	RING
7	73037597	4	BEARING
8	73037598	3	WASHER
9	70699049	3	WASHER
10	73037656	4	BEARING, roller (1-1/2" wide)
11	70656980	1	SPACER
12	70699206	1	GEAR AND DRUM, reverse
13	70688799	2	RING
14	70695751	2	HUB
15	-----	16	PLATE (bi-metal)(Diamond grooved pattern)(Tractors prior to unit #21927, Order 8 PLATE 79017821 for each clutch serviced)
	79017821	16	PLATE (bi-metal)(Square grooved pattern)(Tractor unit #21927 and up)
16	70688802	16	PLATE (flat)

(Continued)

(Revised July 1980)

CLUTCH AND SHAFT ASSEMBLY 73117780 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
17	70688801	2	RETAINER (Early design)
	73109091	2	RETAINER ASSY. (Includes RETAINER which is not serviced separately and item 18)(Late design)
18	70695755	12	SPRING
19	73128812	2	RING
20	79017823	2	RING, seal
21	70695756	2	PISTON (First type)
	73116320	2	PISTON ASSY. (Second type)(Includes 3/4" O.D. SLEEVE, item 21A)
	73122543	2	PISTON ASSY. (Third type)(Includes 13/16" O.D. SLEEVE, item 21A)
21A	73114227	4	SLEEVE, clutch piston (3/4" O.D.)(First type)
	73122544	4	SLEEVE, clutch piston (13/16" O.D.)(Second type)
22	70688737	2	VALVE
23	70672487	2	SLEEVE
24	74254663	2	RING
25	70699207	1	GEAR AND DRUM, forward
26	70639547	1	BEARING, roller (1" wide)
27	70693569	2	SPRING
28	70688804	2	VALVE



TRANSMISSION OIL FILLER AND BREATHER

T-79409

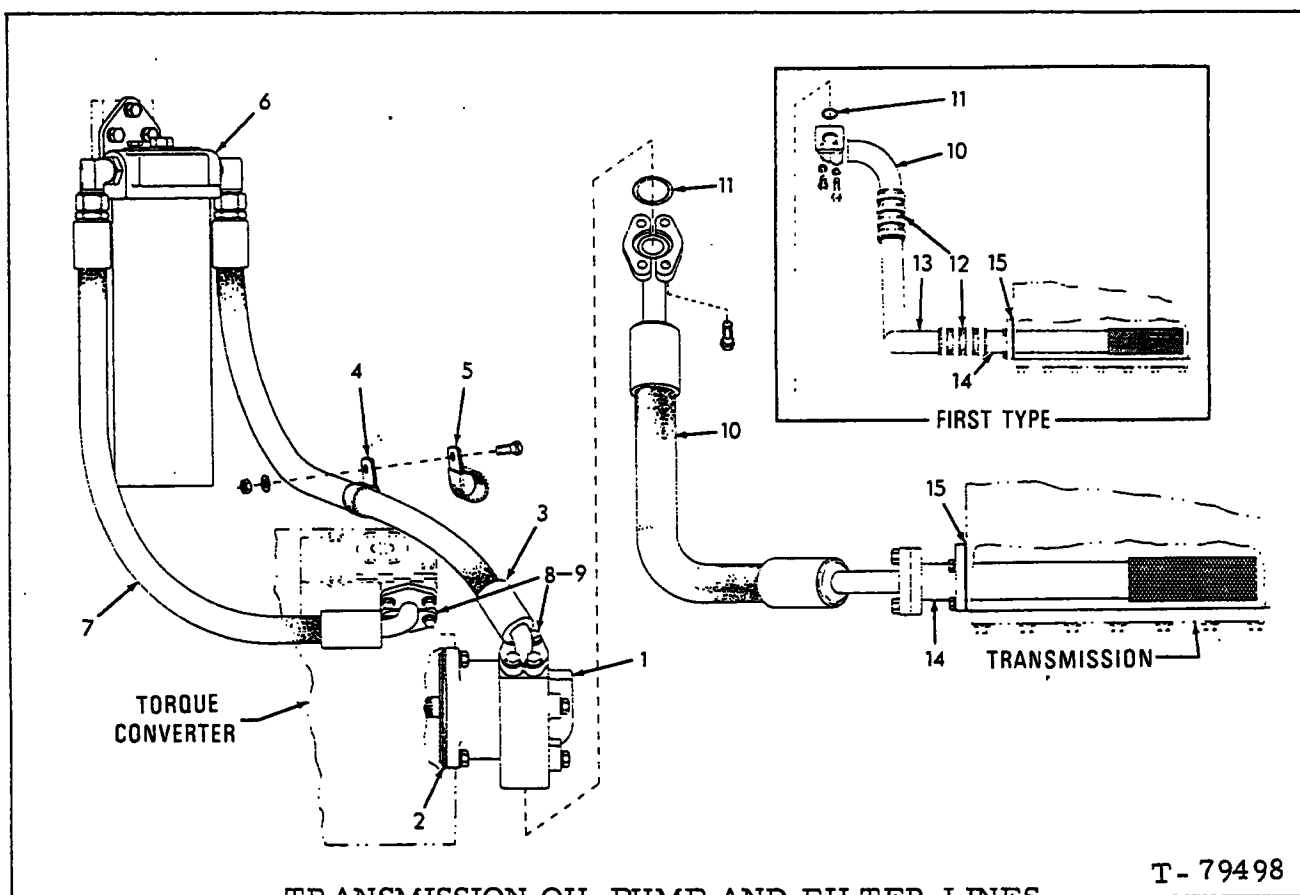
ITEM	PART NO.	QTY.	DESCRIPTION
1	70691462	1	GAUGE, dipstick (Tractors prior to unit #21905)
	73121554	1	GAUGE, dipstick (Tractors unit #21905 and up)
2	70691483	1	TUBE
	70921566	2	CAPSCREW, 5/16"NC x 1"
	70677005	4	WASHER
	70911025	2	NUT, 5/16"NC
3	70697400	1	BAFFLE
	70921076	1	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	1	WASHER

(Continued)

TRANSMISSION OIL FILLER AND BREATHER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	70680715	1	HOSE
	70925881	4	CLAMP, 1-5/16" to 2-1/4" diam.
5	70691572	1	HOSE (See HOSE PARTS)
	70919137	1	TEE, flare type, 3/8" tube, 1/4"NPT male
	70919127	1	CONNECTOR, flare type, 3/8" tube, 1/2"NPT male
6	70679375	1	BREATHER ASSY. (Serviced only as a unit)
	70921730	1	TEE, pipe, reducing, 3/4" x 3/4" x 1/2"(Tractors prior to unit #21182)
	70901725	1	ELBOW, pipe street, 90°, 3/4"NPT
	70921992	1	TEE, pipe reducing, 3/4" x 1/2" x 3/4"
	70912085	1	NIPPLE, pipe, 3/4"NPT x 7"
7	70691450	1	PLATE (Tractors prior to unit #21182)
	73109640	1	PLATE (Tractor unit #21182 and up)
	70921076	1	CAPSCREW, 3/8"NC x 1-1/4"
	70921565	9	CAPSCREW, 3/8"NC x 1-1/2"
8	70691449	1	GASKET
9	70927312	1	CLAMP, insulated
	70921175	1	CAPSCREW, 1/2"NC x 1"
	70677008	1	WASHER
	70911028	1	NUT, 1/2"NC
10	70691485	1	TUBE
	70933499	1	CONNECTOR, flared type, 1-1/2" tube, straight thd.
	70933497	1	O-RING
11	70691551	1	ANGLE

} Tractor unit
#21182
and up



TRANSMISSION OIL PUMP AND FILTER LINES

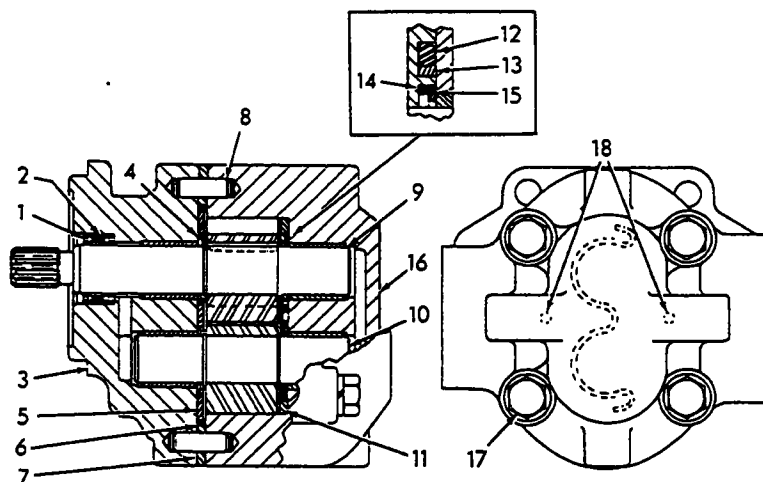
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PUMP ASSY., oil (See page 120)
	70920582	2	CAPSCREW, 1/2"NC x 1-1/4"
	70912441	2	LOCKWASHER, 1/2"
2	70925920	1	□ O-RING
3	70683592	1	HOSE (See HOSE PARTS)
	70933473	1	ELBOW, adjustable, 90°, flare type, 1" tube, 1-5/16" straight male thread (Includes washer and nut)
	70925922	1	O-RING
4	70927312	1	CLIP
5	70927311	1	CLIP
	70920582	1	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	1	WASHER
	70911028	1	NUT, 1/2"NC
6	-----	1	FILTER ASSY., oil (See page 121)
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT
	70920583	3	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	3	LOCKWASHER, 1/2"
7	70683591	1	HOSE (See HOSE PARTS)
	70933473	1	ELBOW, adjustable, 90°, flare type, 1" tube, 1-5/16" straight male thread (Includes washer and nut)
	70925922	1	O-RING

(Continued)

TRANSMISSION OIL PUMP AND FILTER LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
8	70921117	4	FLANGE (half only)	
	70921569	8	CAPSCREW, 7/16" NC x 1-1/4"	
	70914678	8	LOCKWASHER, 7/16"	
9	70925919	2	□ O-RING	
10	70670668	1	TUBE	
	70920582	2	CAPSCREW, 1/2" NC x 1-1/4"	} Tractors prior to unit #21389
	70924864	2	CAPSCREW, 1/2" NC x 2-1/4"	
	70912441	4	LOCKWASHER, 1/2"	
	73109808	1	HOSE	
	70921118	2	FLANGE, split (At pump end)	} Tractor unit #21389 and up
	70921558	2	FLANGE, split	
	70931858	1	O-RING	
	70920574	8	CAPSCREW, 1/2" NC x 1-3/8"	
11	70931714	1	□ O-RING	
12	73107726	2	HOSE (Tractors prior to unit # 21389)	
	70925280	8	CLAMP, 2-1/4" to 2-9/16" diam.	
13	70670666	1	TUBE (Tractors prior to unit #21389)	
14	70653873	1	SCREEN (Tractors prior to unit #21389)	
	73109807	1	SCREEN (Tractor unit #21389 and up)	
	70927173	4	CAPSCREW, 3/8" NC x 1-1/8"	
	70910287	4	LOCKWASHER, 3/8"	
15	70652389	1	GASKET	

NOTE: See PAINTING AND MARKING for transfer

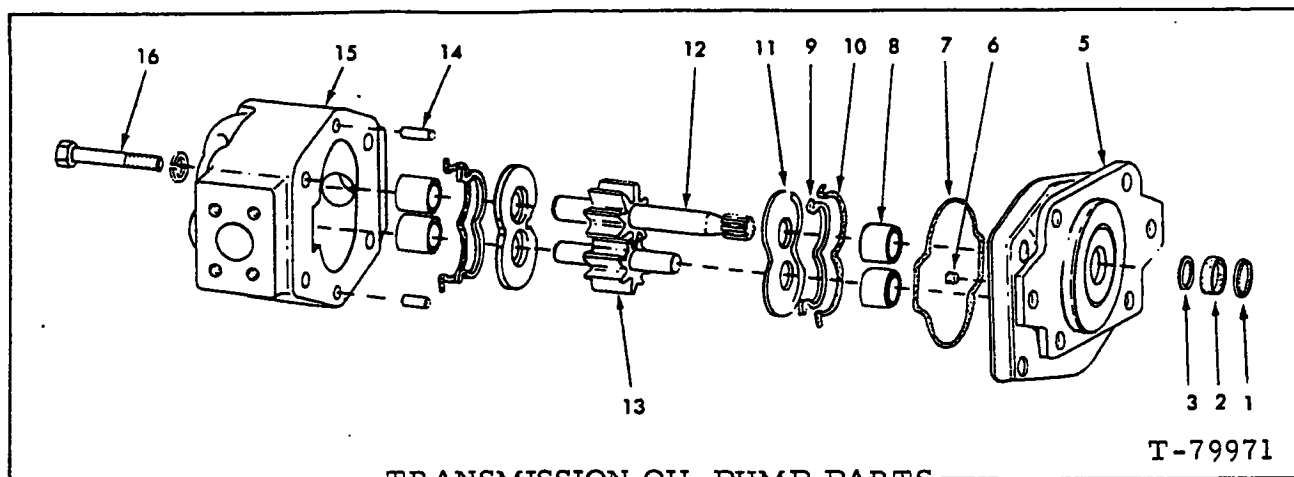


T-76868

TRANSMISSION OIL PUMP PARTS

USAGE: See page 118. Tractors prior to serial No. 71A21208, excluding No. 71A21140 and including No. 71A21234.

ITEM	PART NO.	QTY.	DESCRIPTION	
-	70670675	1	PUMP ASSY., oil (Includes items 1 thru 18)	
1	-----	1	SEAL, dust	} See items 19, 20 and 21
2	-----	1	SEAL, oil	
3	-----	1	ADAPTER (Not serviced)	
4	-----	2	O-RING (See items 20 and 21)	} Not serviced
5	-----	1	PLATE (See item 21)	
6	-----	1	RING, seal (See items 20 and 21)	
7	-----	1	PLATE	
8	-----	2	PIN	
9	-----	1	SHAFT ASSY. (Includes gears)	} Not serviced
10	-----	1	SHAFT ASSY. (Includes gears)	
11	-----	1	PLATE (See item 21)	} See items 20 and 21
12	-----	1	SEAL, rear cover	
13	-----	1	SEAL, back-up	
14	-----	2	O-RING	} Not serviced
15	-----	2	SEAL	
16	-----	1	COVER	
17	-----	4	CAPSCREW	
	-----	4	LOCKWASHER	
18	-----	2	PIN, roll	
19	70670672	1	KIT, seal (Includes items 1 and 2)	
20	70670673	1	□KIT, minor service (Includes items 1, 2, 4, 6, 12 thru 15)	
21	70670674	1	KIT, intermediate service (Includes items 1, 2, 4 thru 6 and 11 thru 15)	



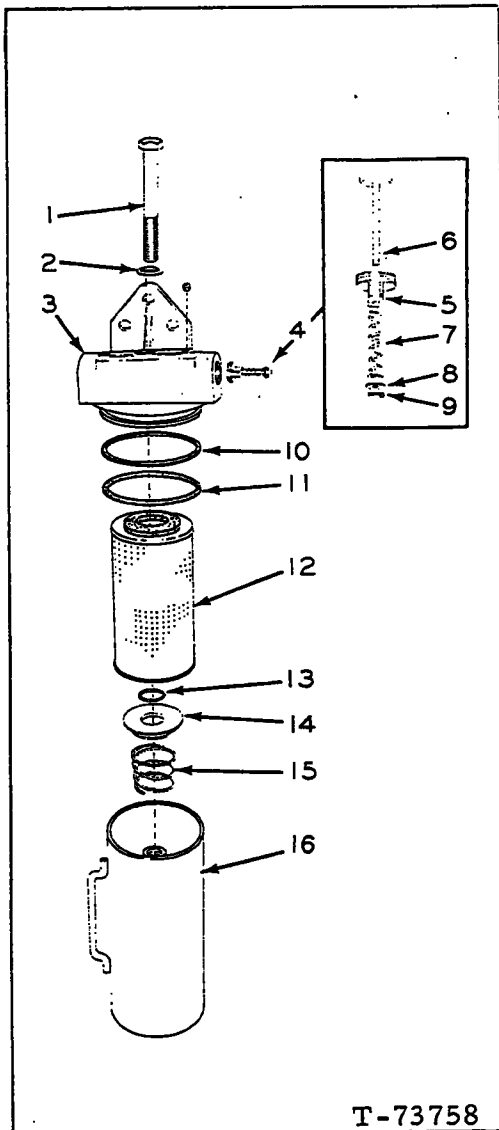
TRANSMISSION OIL PUMP PARTS

USAGE: Tractor serial No. 71A21208 and up, including No. 71A21140 and excluding No. 71A21234. See page 118

ITEM	PART NO.	QTY.	DESCRIPTION	
-	73119191	1	PUMP, oil (Includes items 1 thru 16)	
1	-----	1	SEAL, dust	} Refer to items 17, 18 and 19
2	-----	1	SEAL	
3	-----	1	SPACER	
5	-----	1	ADAPTER	} Not serviced
6	-----	1	PLUG	
7	-----	1	RING, seal (Refer to items 18 and 19)	
8	-----	4	BEARING (Not serviced)	
9	-----	2	RING, back up	} Refer to items 18 and 19
10	-----	2	SEAL	
11	-----	2	PLATE (Refer to item 19)	
12	-----	1	SHAFT ASSY. (Includes gears)	} Not serviced
13	-----	1	SHAFT ASSY. (Includes gears)	
14	-----	2	DOWEL	
15	-----	1	HOUSING	
16	-----	4	CAPSCREW	
	-----	4	LOCKWASHER	
17	73109067	1	KIT, seal (Includes items 1 thru 4)	
18	73109068	1	KIT, minor (Includes items 1 thru 4, 7, 9 and 10)	
19	73109069	1	KIT, intermediate (Includes items 1 thru 4, 7 and 9 thru 11)	

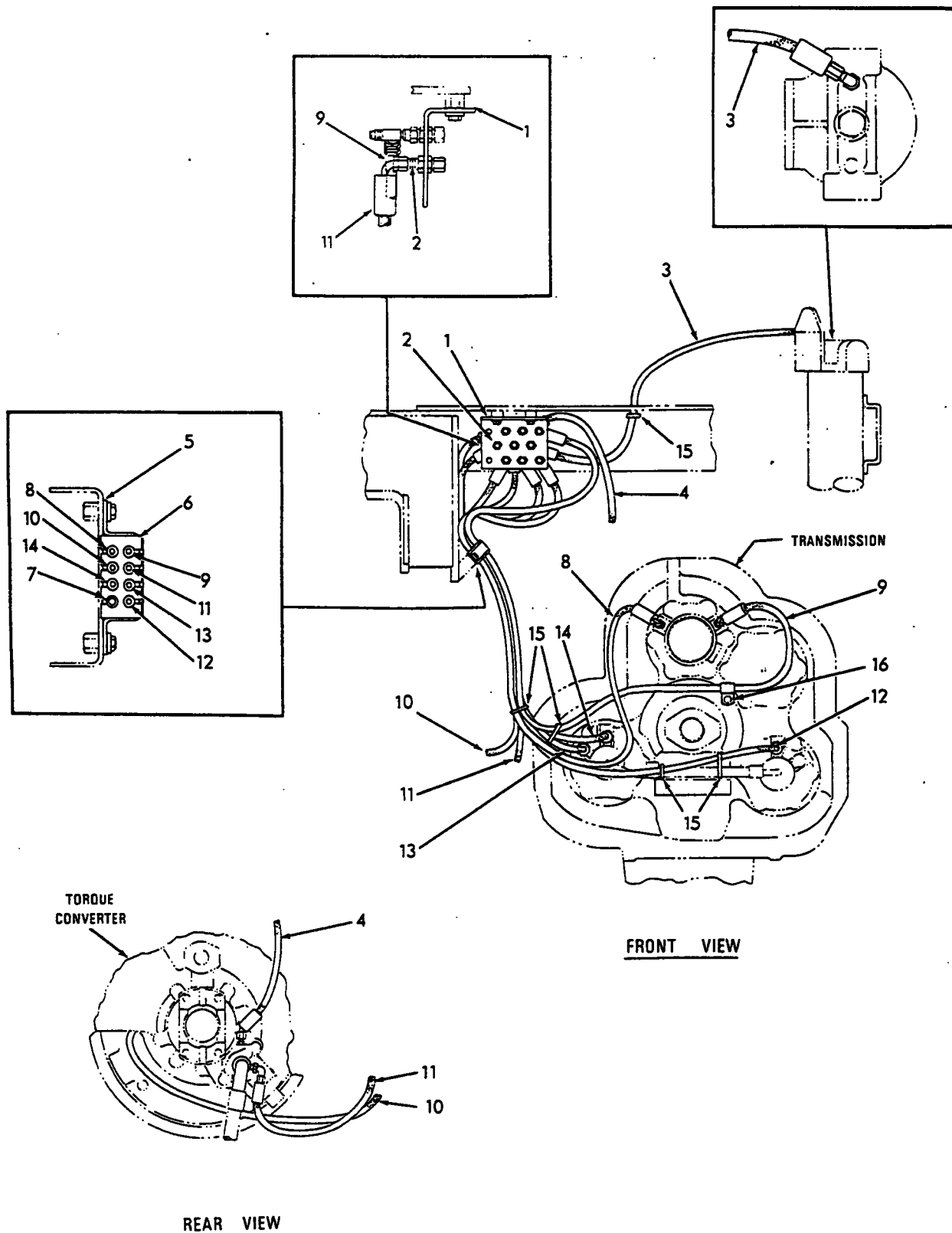
TRANSMISSION OIL FILTER PARTS

USAGE: See page 118



ITEM	PART NO.	QTY.	DESCRIPTION
-	70676660	1	FILTER ASSY., oil (Includes items 1 thru 16)
1	70923438	1	CAPSCREW, tank retaining (3/4" NF x 5-1/2")
2	74254971	1	WASHER, tank retaining capscrew
3	70677289	1	HEAD ASSY. (Includes item 4 and plug indented below)
	70901652	2	PLUG, pipe, 1/4" NPT
4	70661534	1	VALVE ASSY., by-pass (Includes items 5 thru 9)
5	-----	1	HOUSING, by-pass valve (Not serviced separately)
6	-----	1	VALVE, by-pass (Not serviced separately)
7	70661268	1	SPRING, by-pass valve
8	70632060	1	WASHER, by-pass valve spring
9	70900970	1	PIN, cotter, 1/16" x 1/2"
10	70646532	1	RING, back-up
11	70923836	1	O-RING, filter head
12	70669434	1	ELEMENT KIT (Ele- ment is 12-1/2" long) (Includes items 2, 10 and 11)
13	70671616	1	O-RING, element seating plate
14	70641031	1	PLATE, element seating
15	70674798	1	SPRING, element seating plate
16	70671497	1	TANK (16-1/4" long)

(Revised June 1981)



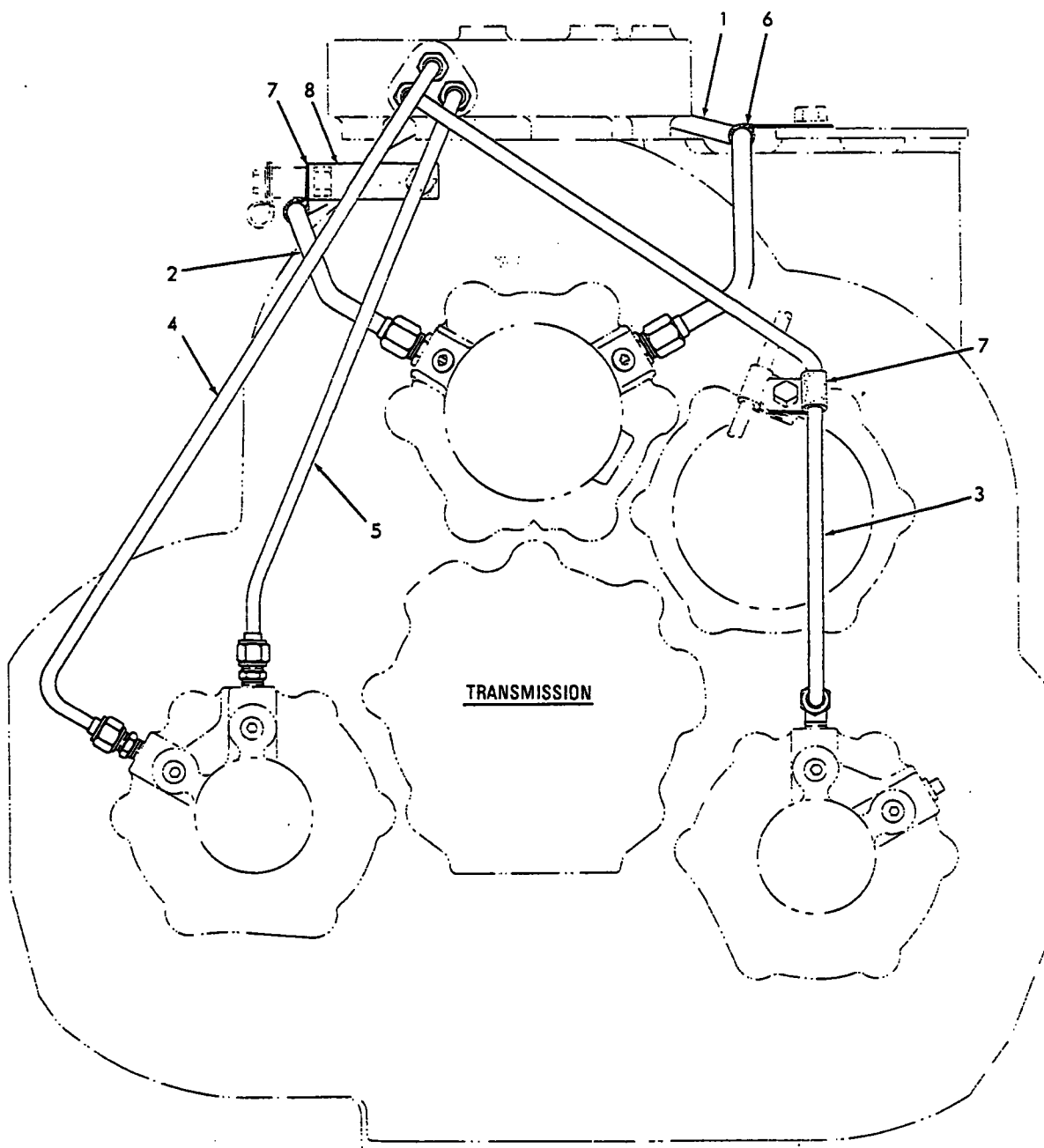
T-79556

TRANSMISSION TEST PANEL

TRANSMISSION TEST PANEL AND LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	70699871	1	ANGLE
	70922763	2	CAPSCREW, 3/8" NC x 1"
	70677006	2	WASHER
2	70659365	9	UNION
	70910876	9	NUT, jam, 7/16" NF
	70921467	9	CAP, flare type, 1/4" tube
3	70699866	1	HOSE, transmission pump (See HOSE PARTS)
4	70699862	1	HOSE, converter (See HOSE PARTS)
5	70673083	1	BRACKET
	70921076	2	CAPSCREW, 3/8" NC x 1-1/4"
	70677006	2	WASHER
6	70673071	1	BLOCK
7	70673085	1	TUBE
8	70699864	1	HOSE, forward (See HOSE PARTS)
	70919140	1	CONNECTOR, flare type, 1/4" tube, 1/4" NPT male
9	70699863	1	HOSE, reverse (See HOSE PARTS)(Tractors prior to unit #21286)
	70919140	1	CONNECTOR, flare type, 1/4" tube, 1/4" NPT male
	70692925	1	HOSE, reverse (See HOSE PARTS)
	70926975	1	TEE, swivel, flare type, 1/4" tube, 7/16" str. thd. (Includes nut)
	70919140	1	CONNECTOR, flare type, 1/4" tube, 1/4" NPT male
10	70699865	1	HOSE, modulating clutch (See HOSE PARTS)
11	70699868	1	HOSE, lube (See HOSE PARTS)
	70924044	1	ELBOW, swivel, 90°, flare type, 1/4" tube, 7/16" str. thd. (Tractors unit #21286 and up)
12	70699869	1	HOSE, 1st speed (See HOSE PARTS)
	70919140	1	CONNECTOR, flare type, 1/4" tube, 1/4" NPT male
13	70699870	1	HOSE, 2nd speed (See HOSE PARTS)
	70919140	1	CONNECTOR, flare type, 1/4" tube, 1/4" NPT male
14	70699867	1	HOSE, 3rd speed (See HOSE PARTS)
	70919140	1	CONNECTOR, flare type, 1/4" tube, 1/4" NPT male
15	70925442	5	TIE
16	70926707	1	CLAMP

} Tractors
unit
#21286
and up



TRANSMISSION CONTROL PIPING

T-74952

TRANSMISSION CONTROL PIPING

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70663472	1	TUBE ASSY., inhibitor valve to forward and reverse shaft collector, left side (Tractors prior to unit #21538)	Each includes nuts
	73109010	1	TUBE ASSY., inhibitor valve to forward and reverse shaft collector, left side (Tractor unit #21538 and up)	
	70933469	1	CONNECTOR, flare type, 1/2" tube, 3/4" NF male end	Each includes washer and nut
	70922507	1	ELBOW, adjustable, 45°, flare type, 1/2" tube, 3/4" NF (Tractors prior to unit #21538)	
	70933502	1	ELBOW, adjustable, 90°, flare type, 1/2" tube, 3/4" NF (Tractor unit #21538 and up)	
	70933466	2	O-RING	
2	70658640	1	TUBE ASSY., Inhibitor valve to forward and reverse shaft collector, right side (Includes nuts)	
	70933469	1	CONNECTOR, flare type, 1/2" tube, 3/4" NF male end	
	70933474	1	ELBOW, adjustable, 90°, flare type, 1/2" tube 3/4" NF (Includes washer and nut)	
	70933466	2	O-RING	
3	70690400	1	TUBE ASSY., control valve to clutch shaft collector (1st speed)	
	70933471	1	CONNECTOR, reducing, flare type, 1/2" tube, 9/16" male end	
	70933476	1	O-RING	
	70919206	1	ELBOW, flare type, 1/2" tube, 3/8" NPT male (Tractors prior to unit #21388 excluding EXCEPTIONS listed on page 101)	
	70933474	1	ELBOW, adjustable, 90°, flare type, 1/2" tube, 3/4" NF (Includes washer and nut)	Tractor unit #21388 and up including EXCEPTIONS listed on page 101
	70933466	1	O-RING	
4	70690221	1	TUBE ASSY., control valve to clutch shaft collector (2nd speed)	
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8" NPT male (Tractors prior to unit #21388 excluding EXCEPTIONS listed on page 101)	
	70933469	1	CONNECTOR, flare type, 1/2" tube, 3/4" NF male end	Tractor unit #21388 and up including EXCEPTIONS listed on page 101
	70933466	1	O-RING	
	70933471	1	CONNECTOR, reducing, flare type, 1/2" tube, 9/16" male end	
	70933476	1	O-RING	

(Continued)

TRANSMISSION CONTROL PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	70690415	1	TUBE ASSY., control valve to clutch shaft collector (3rd speed)
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8" NPT male (Tractors prior to unit #21388 excluding EXCEPTIONS listed on page 101)
	70933469	1	CONNECTOR, flare type, 1/2" tube, 3/4" NF male end
	70933466	1	O-RING
	70933471	1	CONNECTOR, reducing flare type, 1/2" tube, 9/16" male end
	70933476	1	O-RING
6	70641504	1	CLIP
7	70620063	2	CLIP
	70922300	1	CAPSCREW, 3/8" NC x 3/4"
	70929156	1	WASHER
	70911026	1	NUT, 3/8" NC
8	70642533	1	ANGLE

(Revised April 1980)

TRANSMISSION CONTROL LINKAGE

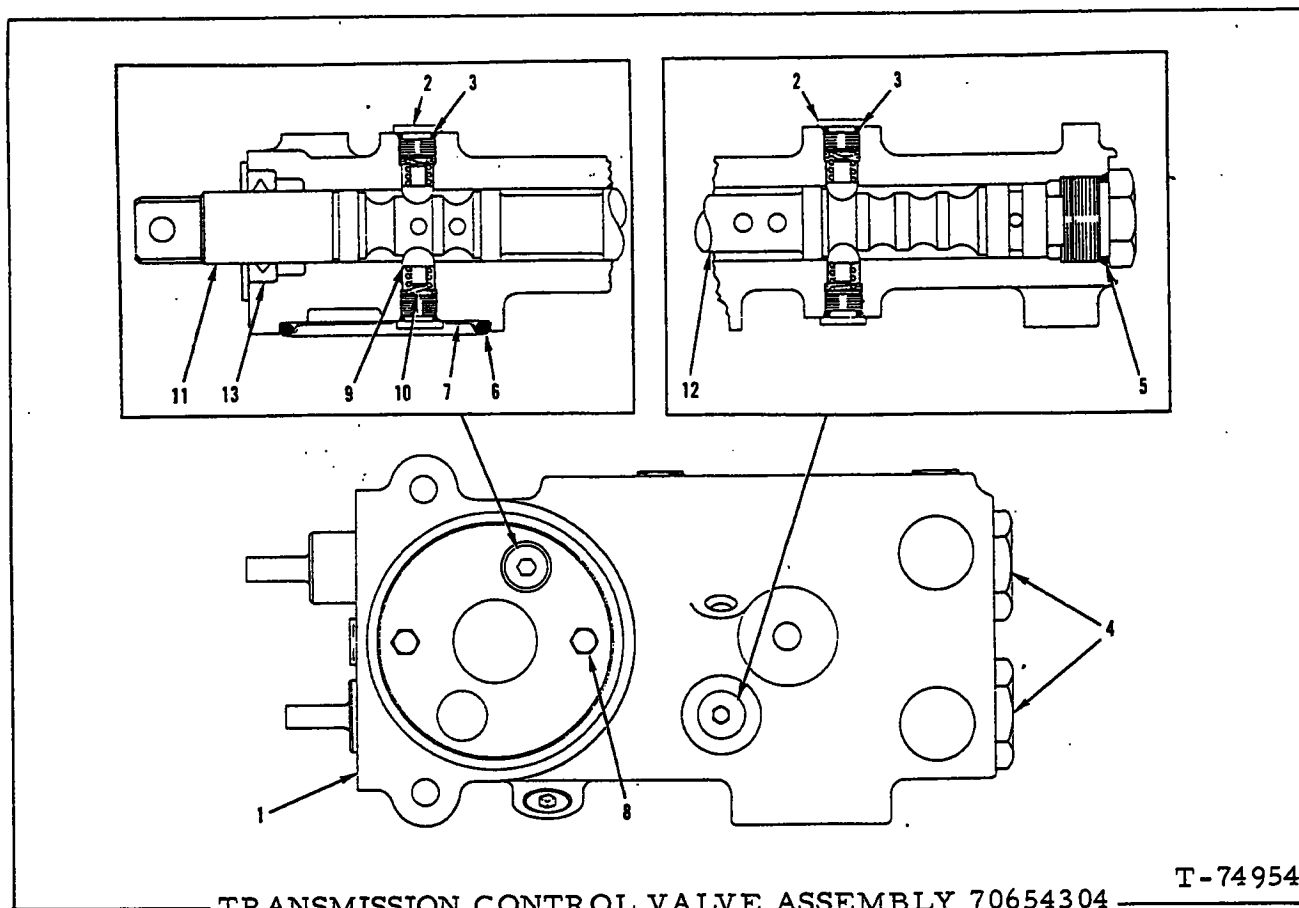
ITEM	PART NO.	QTY.	DESCRIPTION
1	70653000	1	GUIDE (Tractors prior to unit #21574)
	73111527	1	GUIDE (Tractors unit #21574 and up)
2	70664074	1	GUIDE
3	70922300	4	CAPSCREW, 3/8"NC x 3/4"
	70910287	4	LOCKWASHER, 3/8"
4	70671451	1	PLATE
5	70928138	4	CAPSCREW, 1/4"NC x 5/8"
	70910285	4	LOCKWASHER, 1/4"
6	70690482	1	COVER (Not used on units equipped with CAB)
7	70922763	6	CAPSCREW, 3/8"NC x 1" } 3 less used on units
	70677006	6	WASHER } equipped with CAB
	70921565	2	CAPSCREW, 3/8"NC x 1-1/2" (Units equipped with a CAB)
8	70920582	3	CAPSCREW, 1/2"NC x 1-1/2" (Not used on units equipped with CAB)
	70677008	3	WASHER (Not used on units equipped with CAB)
9	70629709	1	KNOB
10	70664125	1	LEVER ASSY. (Early units)(Use with long rod item 20A)(Includes item 12)
	73119563	1	LEVER ASSY. (Late units)(Use with short rod item 20A)(Includes item 12)
11	70922848	1	CAPSCREW, 3/8"NC x 3-1/4"
	70910287	1	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8"NC
12	70650712	2	BEARING
13	70921565	2	CAPSCREW, 3/8"NC x 1-1/2"
	70911034	2	NUT, jam, 3/8"NC
14	70640637	1	SPRING
15	70663600	1	LEVER ASSY. (Includes item 16)
	70928188	1	WASHER, shimming (Use as required)
16	70653319	2	BEARING
17	70664099	1	BOLT
18	70913679	1	SCREW, machine, 3/8"NC x 3/4"
19	70653570	3	ROD, end
	70910287	3	LOCKWASHER, 3/8"
	70911041	3	NUT, 3/8"NF
20	70690498	1	ROD (26" long)
	70911048	2	NUT, jam, 3/8"NF
20A	70690498	1	ROD (26" long)(Early units)
	73119564	1	ROD (25" long)(Late units)
	70911048	2	NUT, jam, 3/8"NF
21	70632038	1	KNOB
22	70697258	1	LEVER
23	70078810	5	PIN
	70900801	5	PIN, cotter, 3/32" x 3/4"
24	70042911	1	SPRING
25	70653030	1	BRACKET ASSY. (Includes item 28)
26	70652995	1	CAPSCREW
27	70652996	1	CAPSCREW
	70911024	1	NUT, 1/4"NC
28	70653031	2	BEARING
29	70078908	2	BOOT
	70921910	2	CLAMP, 7/16" to 3/4" diam.

(Continued)

TRANSMISSION CONTROL LINKAGE (Continued)

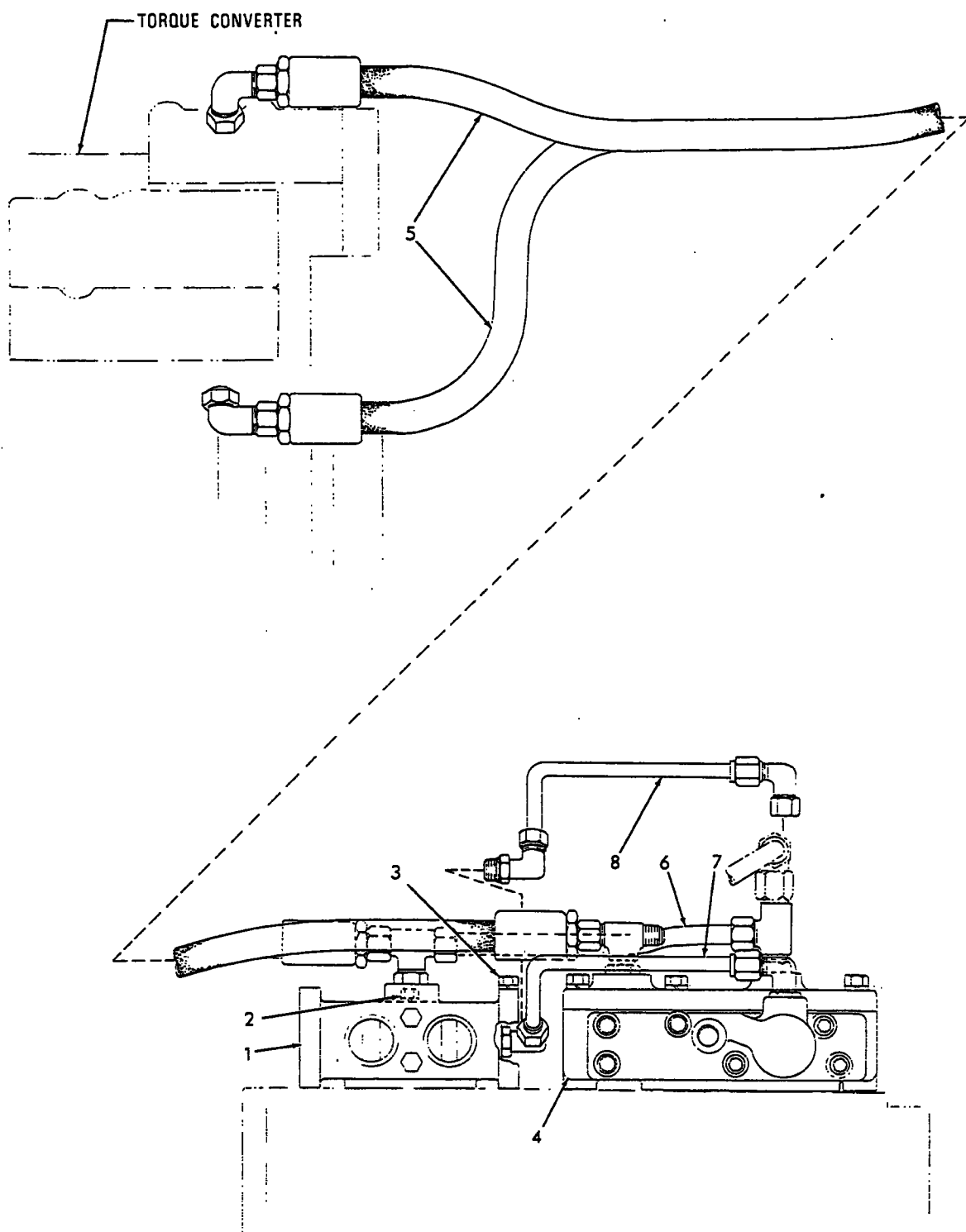
ITEM	PART NO.	QTY.	DESCRIPTION
30	70617932	1	ROD, end
	70927225	1	CAPSCREW, 3/8"NC x 1-5/8"
	70926189	1	WASHER
	70910287	1	LOCKWASHER, 3/8"NC
	70911026	1	NUT, 3/8"NC
31	70655746	2	BELLCRANK ASSY. (Includes items 32 and 33)
32	70624584	2	BUSHING (3/8" long)
33	70631476	2	BUSHING (7/8" long)
34	70690499	1	ROD
	70677008	1	WASHER
	70911043	1	NUT, 1/2"NF
	70913830	1	NUT, jam, 1/2"NF
35	70064961	1	BLOCK
36	70635132	2	SPACER
37	70609749	2	ROD, end
	70913830	2	NUT, jam, 1/2"NF
38	70628736	2	YOKE
39	70680912	2	ROD
	70911048	2	NUT, jam, 3/8"NC
40	70694883	1	ANGLE
	70921076	2	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	2	WASHER
41	73057506	1	SWITCH
42	73061193	1	BOOT

NOTE: See PAINTING AND MARKING for transfer



USAGE: See page 131

ITEM	PART NO.	QTY.	DESCRIPTION	
1	-----	1	BODY (Not serviced separately)	
2	70935167	9	PLUG	
3	70933476	9	O-RING (small)	
4	70933668	2	PLUG	
5	70925922	2	O-RING (large)	
6	70926289	1	O-RING	
7	70664651	1	RETAINER	
8	70664650	2	CAPSCREW, #10-24NC x 3/8"	
9	73108386	4	DETENT	
10	73108385	4	SPRING	
11	-----	1	PLUNGER, forward and reverse	} Not serviced separately
12	-----	1	PLUNGER, speed selection	
13	73128888	2	SEAL	

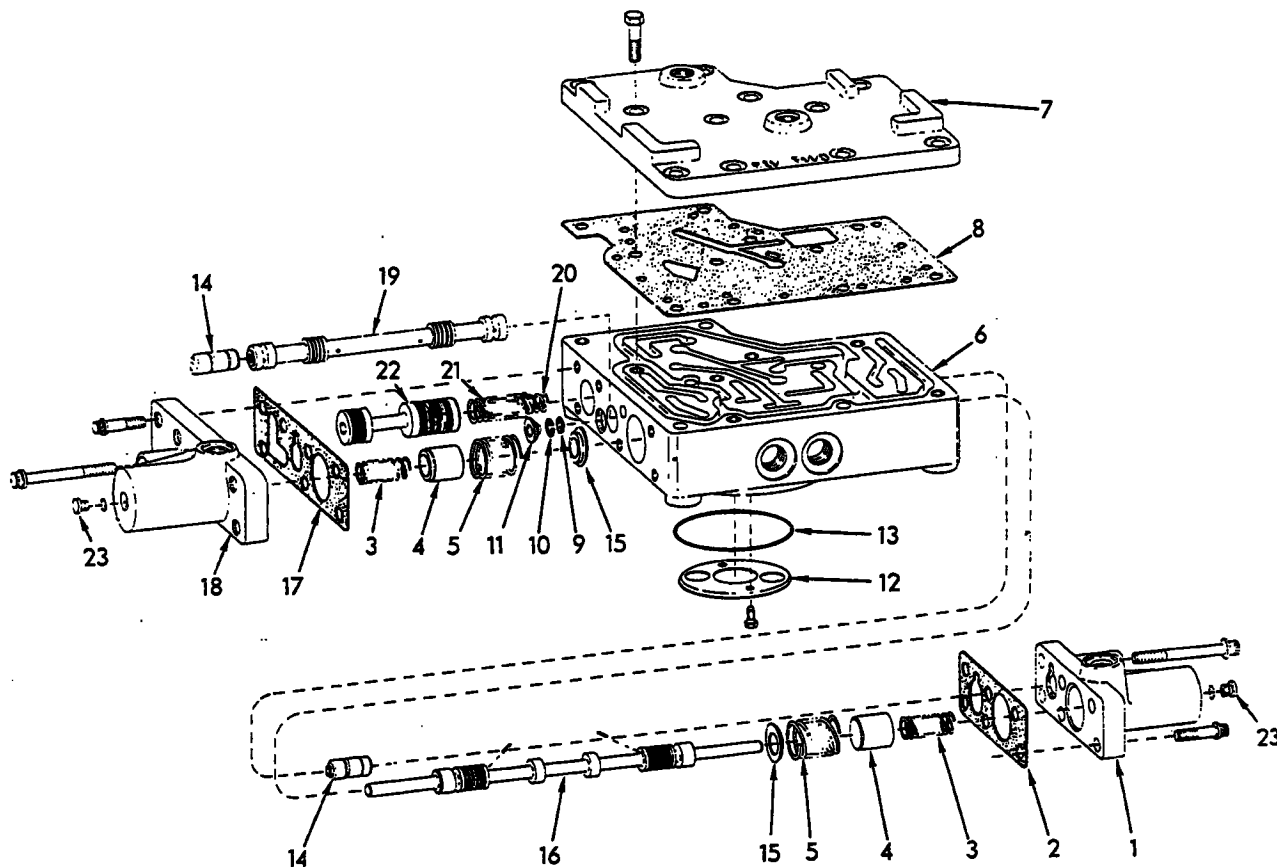


TRANSMISSION CONTROL VALVES AND LINES

T-75088

TRANSMISSION CONTROL VALVES AND LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	70654304	1	VALVE ASSY. (See page 129)
2	70924843	1	CAPSCREW, 3/8"NC x 3-1/2"
3	70927536	1	CAPSCREW, 3/8"NC x 3-3/4"
	70910287	2	LOCKWASHER, 3/8"
4	73107217	1	VALVE ASSY. (See page 132)
	70927536	3	CAPSCREW, 3/8"NC x 3-3/4"
	70910287	3	LOCKWASHER, 3/8"
5	70656849	2	HOSE (See HOSE PARTS)
	70933474	2	ELBOW, adjustable, 90°, flare type, 1/2" tube, 3/4"NF (Includes washer and nut)
	70933505	2	TEE, adjustable, flare type, 1/2" tube, 3/4"NF male (Includes washer and nut)
	70933466	4	O-RING
6	70662368	1	TUBE ASSY. (Includes nuts)
	70933506	1	TEE, adjustable, flare type, 1/2" tube, 3/4"NF (Includes washer and nut)
	70933466	1	O-RING
7	70662315	1	TUBE ASSY., left (Includes nuts)
	70925983	2	ELBOW, adjustable, 90°, flare type, 3/8" tube, 9/16"NF (Includes washer and nut)
	70933476	2	O-RING
8	70662367	1	TUBE ASSY., right (Includes nuts)
	70925983	1	ELBOW, adjustable, 90°, flare type, 3/8" tube 9/16"NF (Includes washer and nut) (short type)
	70933501	1	ELBOW, adjustable, 90°, flare type, 3/8" tube 9/16"NF (Includes washer and nut) (long type)
	70933476	2	O-RING



T-75518

SHIFT INHIBITING VALVE ASSEMBLY 73107217

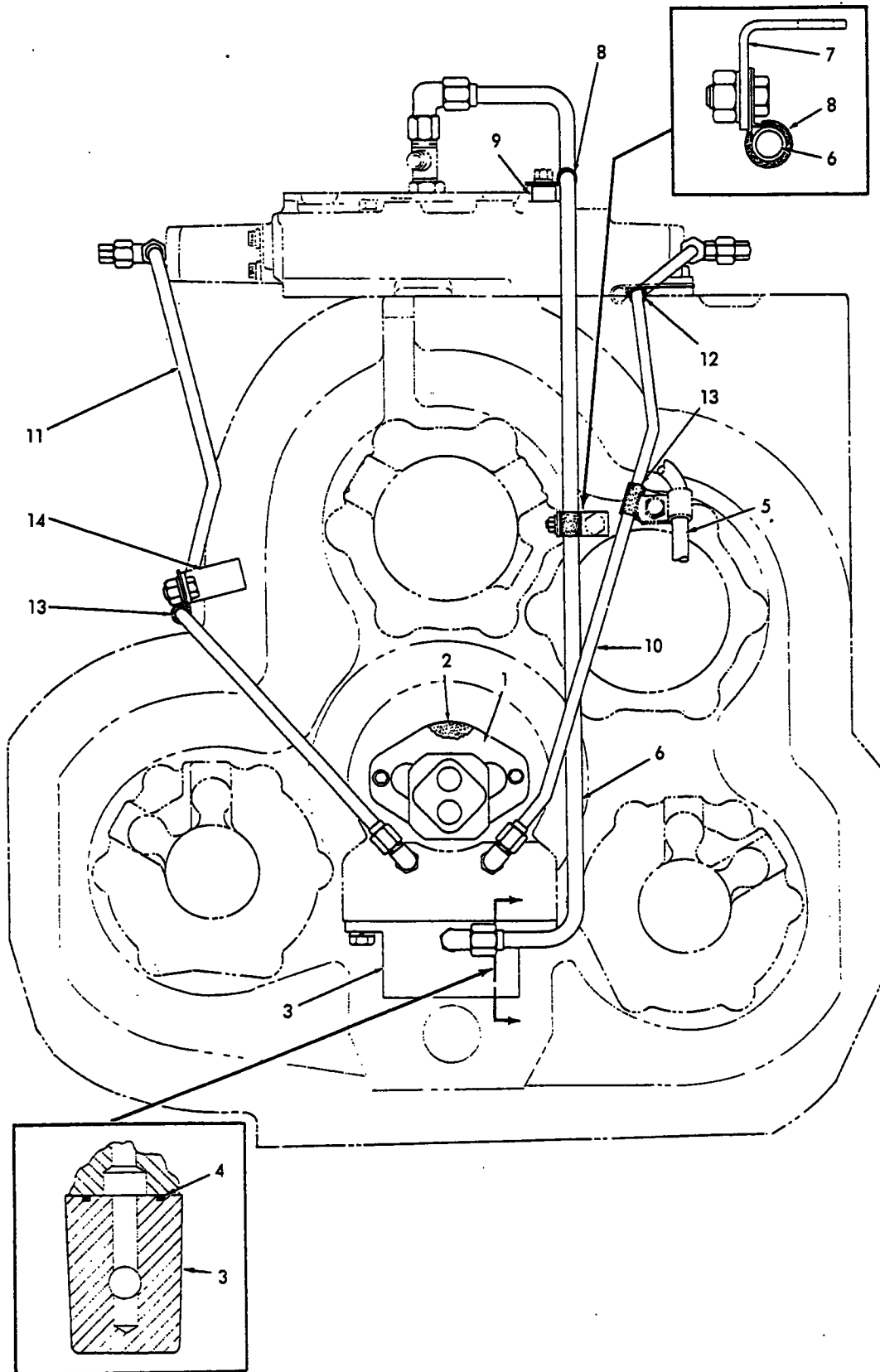
USAGE: See page 131

ITEM	PART NO.	QTY.	DESCRIPTION
1	70677439	1	COVER
	70922820	4	CAPSCREW, 12-pt., 3/8" NC x 1-1/4"
	70927652	1	CAPSCREW, 12-pt., 3/8" NC x 3-3/4"
2	70677438	1	GASKET
3	70189269	2	SPRING
4	70664655	2	PISTON
5	70669454	2	SPRING
6	-----	1	BODY (Not serviced separately)
7	70667634	1	COVER
	70927173	8	CAPSCREW, 3/8" NC x 1-1/8"

(Continued)

SHIFT INHIBITING VALVE ASSEMBLY 73107217 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	70672486	1	GASKET
9	70639939	1	FILTER
10	70662919	1	RING
11	73107905	1	VALVE
12	70664651	1	RETAINER
	70664650	2	CAPSCREW, #10-24 NC x 3/8"
13	70923831	1	O-RING
14	73107904	2	PISTON
15	70690873	2	RETAINER
16	70664664	1	PISTON
	70918547	2	PIN, spring
17	70677437	1	GASKET
18	70677440	1	COVER
	70922820	5	CAPSCREW, 12-pt., 3/8" NC x 1-1/4"
	70927652	1	CAPSCREW, 12-pt., 3/8" NC x 3-3/4"
19	70680376	1	PISTON ASSY. (Includes plug)
20	70664652	1	SPRING, inner
21	70667637	1	SPRING, outer
22	70667640	1	PISTON
23	70930840	2	PLUG, flare type, 1/4" tube, 7/16" straight thd.
	70929450	2	O-RING



SHIFT INHIBITING PUMP LINES

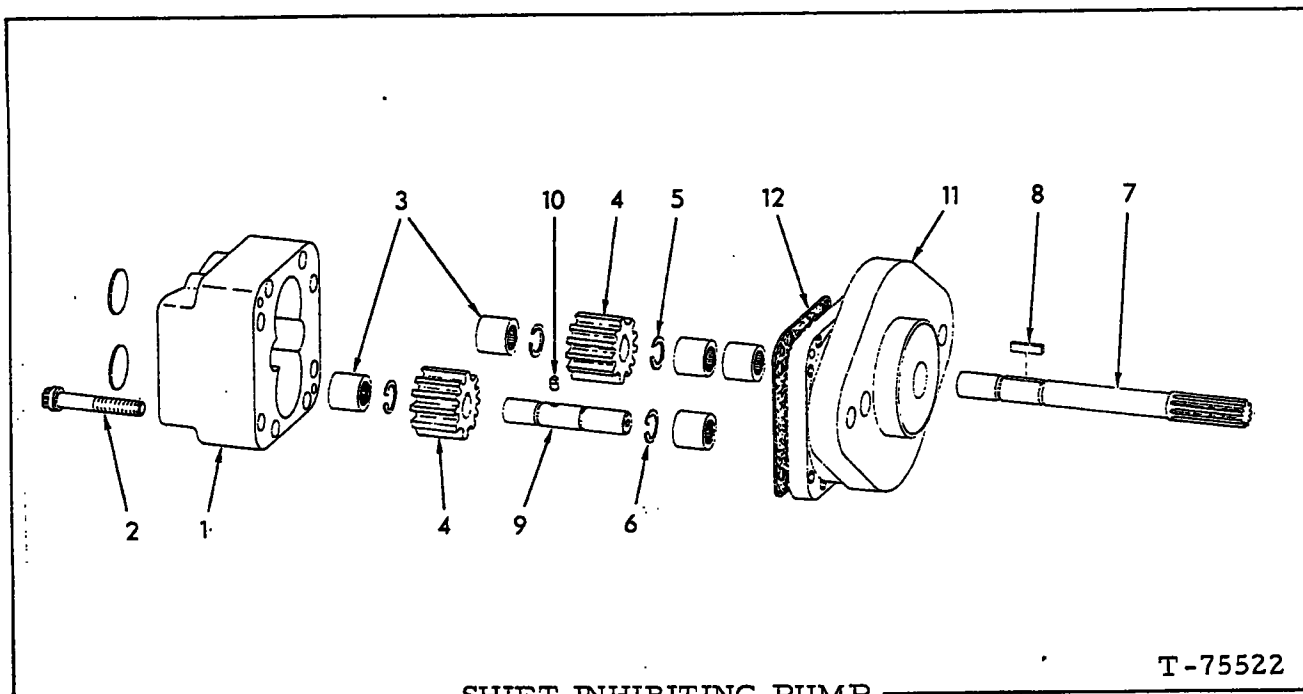
T-79566

(Revised June 1981)

SHIFT INHIBITING PUMP AND LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PUMP ASSY. (See page 136)
	70921566	2	CAPSCREW, 5/16"NC x 1"
	70910286	2	LOCKWASHER, 5/16"
2	70667563	1	□GASKET
3	-----	1	VALVE, regulator (See page 137)
	70921076	2	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	2	LOCKWASHER, 3/8"
4	70931695	2	O-RING
5	-----	-	TUBE ASSY. (See page 125)
6	73107381	1	TUBE ASSY. (Includes nuts)
	70921279	1	ELBOW, adjustable, flare type, 90°, 1/2" tube, 3/4" straight thread (Includes nut)
7	73107382	1	ANGLE
8	70925617	2	CLIP
	70922300	1	CAPSCREW, 3/8"NC x 3/4"
	70924842	1	CAPSCREW, 3/8"NC x 4-1/4"
	70910287	1	LOCKWASHER, 3/8"
	70929156	1	WASHER
	70911026	1	NUT, 3/8"NC
9	70638039	1	BLOCK
10	73107358	1	TUBE ASSY. (Includes nuts)
	70933504	1	TEE, adjustable, flare type, 3/8" tube, 9/16" male (Includes washer and nut)
	70933476	1	O-RING
	70926786	1	REDUCER, flare type, 3/8" tube to 1/4" tube
	70921467	1	CAP, flare type, 1/4" tube
	70925983	1	ELBOW, adjustable, 90°, flare type, 3/8" tube, 9/16" NF (Includes washer and nut)
	70933476	1	O-RING
11	73107357	1	TUBE ASSY. (Includes nuts)
	70933504	1	TEE, adjustable, flare type, 3/8" tube, 9/16" male (Includes washer and nut)
	70933476	1	O-RING
	70926786	1	REDUCER, flare type, 3/8" tube to 1/4" tube
	70921467	1	CAP, flare type, 1/4" tube
	70925983	1	ELBOW, adjustable, 90°, flare type, 3/8" tube, 9/16" NF (Includes washer and nut)
	70933476	1	O-RING
12	70659422	1	CLIP
	70920582	1	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	2	WASHER
13	70640675	2	CLIP
	70922300	1	CAPSCREW, 3/8"NC x 1"
	70929156	1	WASHER
	70911026	1	NUT, 3/8"NC
14	70662578	1	ANGLE (Tractors prior to unit #21388 excluding EXCEPTIONS listed on page 101)
	70633497	1	ANGLE (Tractor unit #21388 and up including EXCEPTIONS listed on page 101)

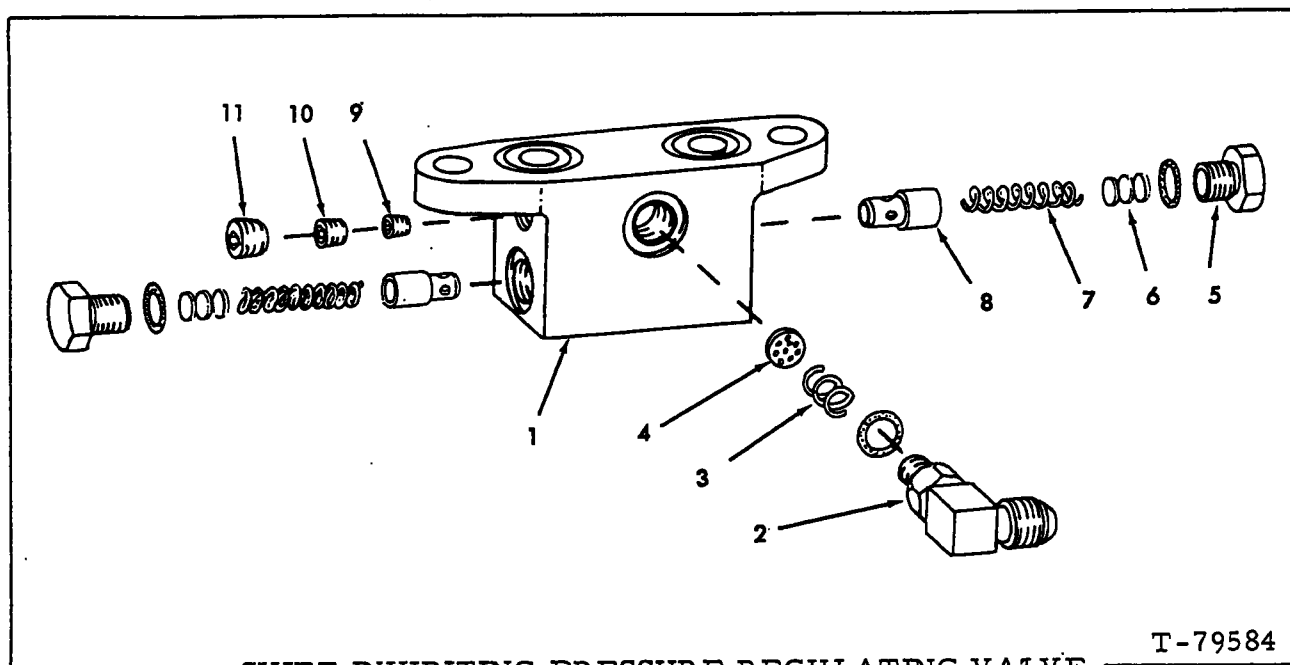
} Components of
Transmission
Assembly



SHIFT INHIBITING PUMP

USAGE: See page 135

ITEM	PART NO.	QTY.	DESCRIPTION
-	70669932	1	PUMP ASSY. (Includes items 1 thru 12)
1	-----	1	HOUSING (Not serviced separately)
	70914590	2	PLUG, expansion, 11/16" diam.
2	70923448	8	CAPSCREW, 12 point, 1/4"NC x 1-3/4"
	70904204	8	LOCKWASHER, 1/4"
3	74980021	5	BEARING
4	70670157	2	GEAR
5	73015050	2	RING
6	70099949	2	RING
7	70670159	1	SHAFT, drive
8	70668482	1	KEY (1/8" x 1/2")
9	70670158	1	SHAFT, idler
10	70244554	1	PIN
11	-----	1	STATOR (Not serviced separately)
12	70621363	1	GASKET, shimming (Use as required)

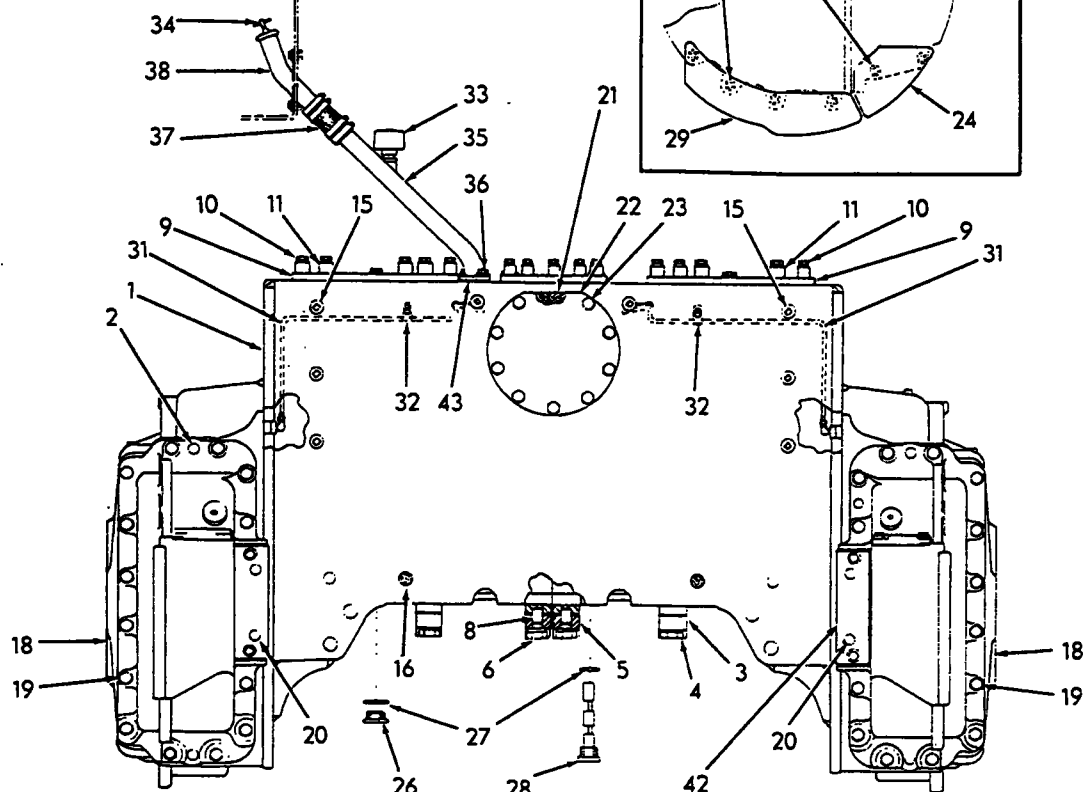
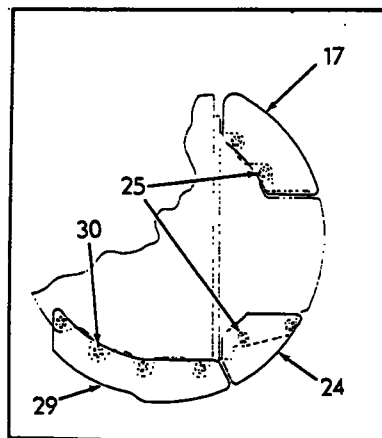
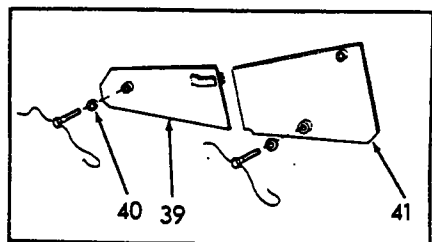
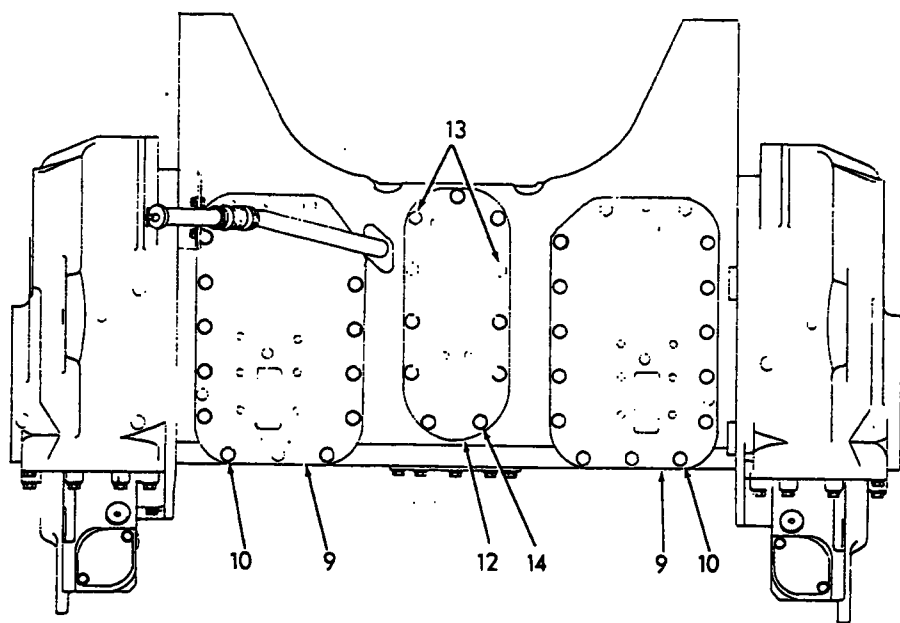


SHIFT INHIBITING PRESSURE REGULATING VALVE

T-79584

USAGE: See page 135

ITEM	PART NO.	QTY.	DESCRIPTION
-	73107218	1	VALVE ASSY. (Includes items 1 thru 11)
1	-----	1	BODY (Not serviced separately)
2	70930804	1	ELBOW (Adjustable, 90°, flare type, 1/2" tube, 9/16" straight thread (Includes O-RING)
	70921885	1	O-RING
3	70680404	1	SPRING
4	70639939	1	SCREEN
5	70677474	2	PLUG
	70929457	2	O-RING
6	70680403	-	SHIM (Use as required)
7	70638887	2	SPRING
8	73107926	2	PISTON
9	73107857	1	PLUG, orifice (1/16"NPT)
10	73107583	1	PLUG, orifice (1/8"NPT)
11	70907859	1	PLUG, pipe (ctsk-hd., 1/4"NPT)



MAIN HOUSING

T-79565

			MAIN HOUSING	
ITEM	PART NO.	QTY.	DESCRIPTION	
1	73111687	1	HOUSING ASSY. (Tractors prior to unit #21474)(If first replacement on tractors prior to unit #21403 also order 5 PLUGS 70697814 and 5 O-RINGS 70933496)	
	73111246	1	HOUSING ASSY. (Tractors S/N 71A 21474 thru 22073)	
	73117357	1	HOUSING ASSY. (Tractor S/N 71A 22074 and up)	
	70907859	8	PLUG, pipe, ctsk-hd., 1/4"NPT	
2	70643740	8	PIN	
3	70694417	2	CAP, outer	
4	70922175	4	CAPSCREW, 1"NF x 4"	
	70694356	4	WASHER	
5	70694419	2	CAP, inner	
6	70922175	4	CAPSCREW, 1"NF x 4"	
	70694356	4	WASHER	
8	70664270	2	PIN	
9	70687486	2	PLATE	
10	70922526	24	CAPSCREW, 1/2"NC x 2-1/2" (One less on units with Ripper)(Two less used on units #21286 and up)	
	70922510	2	CAPSCREW, 1/2"NC x 2-3/4" (Tractor unit #21286 and up)	
	70928460	24	WASHER	
	70920585	2	CAPSCREW, 1/2"NC x 1-3/4"	
	70677008	2	WASHER	
11	70097413	37	BLOCK (One less used on units equipped with (Kelley Ripper)	
12	70690395	1	COVER(Prior to Tractor S/N 71A 22074)	
	73119848	1	COVER(Tractor S/N 71A 22074 and up)	
13	70920585	3	CAPSCREW, 1/2"NC x 1-3/4" (One less used on units equipped with Kelley Ripper)	
	70677008	3	WASHER	
14	70922526	9	CAPSCREW, 1/2"NC x 2-1/2" (One less used with Ripper)	
	70928460	9	WASHER	
15	70052979	8	PLUG, thread protecting (1-1/4"NF, socket-hd.)	
16	70664852	4	CORK, thread protecting (1-1/4" diam.)	
17	70687769	2	GUARD, track sprocket, upper (Special equipment)	
18	70686409	1	COVER, left	
	70686410	1	COVER, right	
	70698437	1	COVER, left	
	70698438	1	COVER, right	
	73116809	1	COVER, left	
	73116810	1	COVER, right	
	70923810	2	O-RING	
	70904260	2	PLUG, pipe, ctsk-hd., 3/8"NPT	
	70904224	2	PLUG, pipe, ctsk-hd., 3/4"NPT	
19	70927173	32	CAPSCREW, 5/8"NC x 2-3/4"	
	70927381	36	WASHER	
	70921535	4	CAPSCREW, 5/8"NC x 1-3/4"	
20	70067112	4	BLOCK	
21	70052976	2	GASKET	

Each
includes
items
3 thru 6

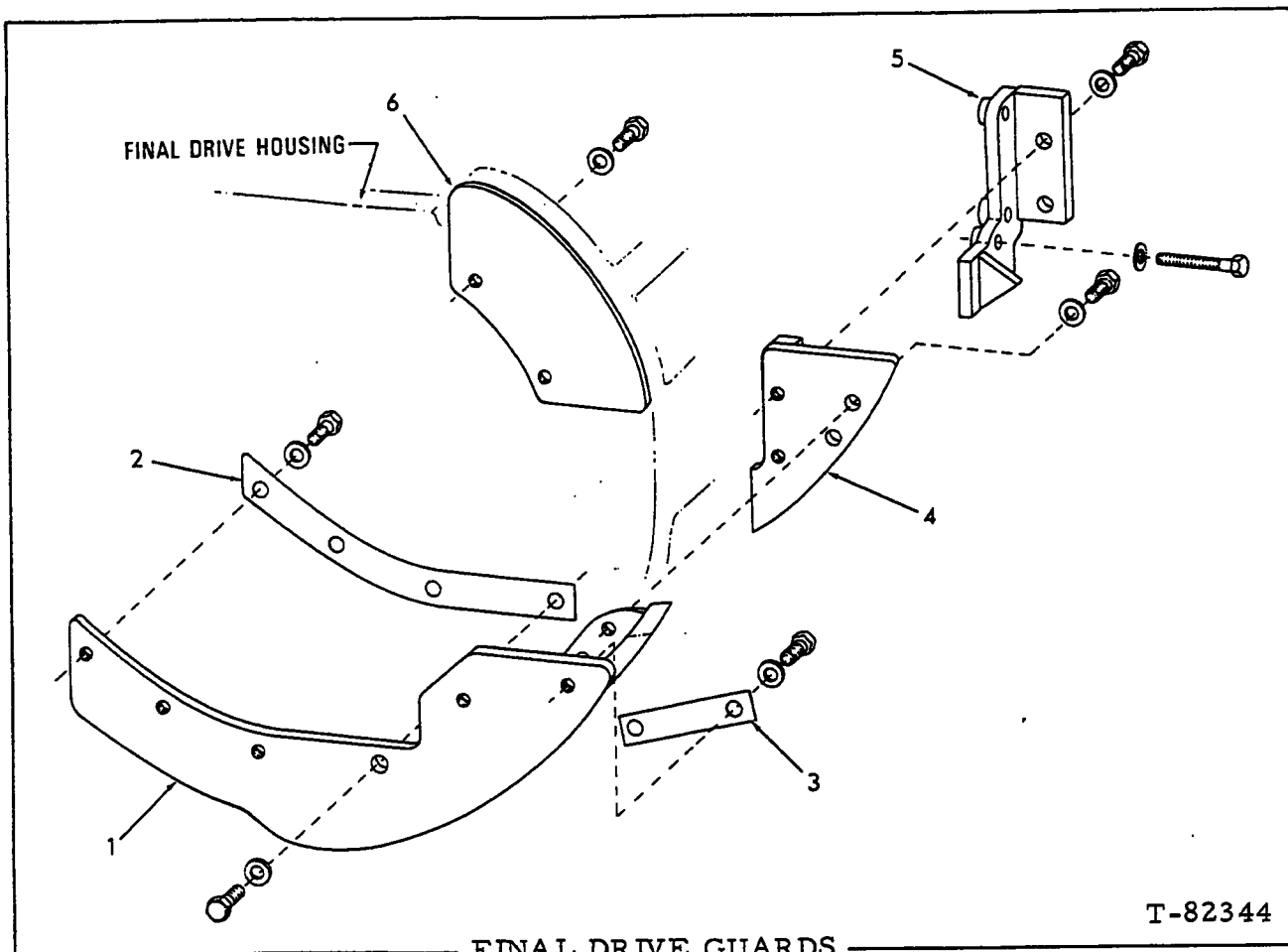
(Continued)

(Revised June 1981)

MAIN HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
22	70052977	1	COVER	
23	70927205	9	CAPSCREW, Nylok, 5/8" NC x 1-1/4"	} See NOTE
	70926196	9	WASHER	
			NOTE: Item 23 is two less used on units equipped with "Kelley" Ripper	
24	70687762	2	GUARD, center(Special equipment)(See page 140A for optional severe service guards)	
25	70922743	8	CAPSCREW, 3/4" NC x 2"	
	70927382	8	WASHER	
26	70696918	6	PLUG	} Tractors prior to unit #21043
27	70667252	7	GASKET	
28	70067543	1	PLUG (magnetic)(Tractors prior to unit #21474)	
	73116418	7	PLUG (magnetic)(Tractor unit #21043 and up)	
	70933496	7	O-RING	
29	70687753	2	GUARD, lower (Tractors prior to unit #21474)	} Special equipment. See page 140A for optional severe service guard
	73110493	1	GUARD, lower, left	
	73110494	1	GUARD, lower, right	
30	70923901	8	CAPSCREW, 3/4" NC x 2-3/4"	
	70930912	8	NUT, high, 3/4" NC	
	70922743	8	CAPSCREW, 3/4" NF x 2-3/4"	
	70927382	8	WASHER	
31	70687057	1	TUBE ASSY., left (Includes nut)	
	70687058	1	TUBE ASSY., right (Includes nut)	
	70919173	2	ELBOW, flare type, 1/4" tube, 1/8" NPT male	
32	70640677	4	CLIP	
	70927400	4	CAPSCREW, 3/8" NC x 5/8"	
	70929156	4	WASHER	
33	70679375	1	BREATHING ASSY. (Serviced only as a unit)	
	70919824	1	ELBOW, street, 90°, 3/4" NPT	
34	70691463	1	GAUGE	
35	73110317	1	TUBE	
36	70920583	2	CAPSCREW, 1/2" NC x 1-1/2"	
	70677008	2	WASHER	
37	70680715	1	HOSE	
	70925881	4	CLAMP, 1-5/16" to 2-1/4" diam.	
38	70691537	1	TUBE	
	70922763	4	CAPSCREW, 3/8" NC x 1"	
	70677006	4	WASHER	
39	70687020	1	BAFFLE	
	70927483	1	CAPSCREW, drilled-hd., 3/8" NC x 2"	
	70023633	1	WIRE, locking, 1/16" x 12"	
40	70677006	1	WASHER	
41	70667670	1	BAFFLE	
	70927483	2	CAPSCREW, drilled-hd., 3/8" NC x 2"	
	70023756	1	WIRE, locking, 1/16" x 26"	
	70677006	2	WASHER	
42	70687742	2	ANGLE	
	70920583	4	CAPSCREW, 1/2" NC x 1-1/2"	
	70677008	4	WASHER	
43	70632368	1	GASKET	
44	70069137	8	SHIM (.007")	

(Revised June 1981)

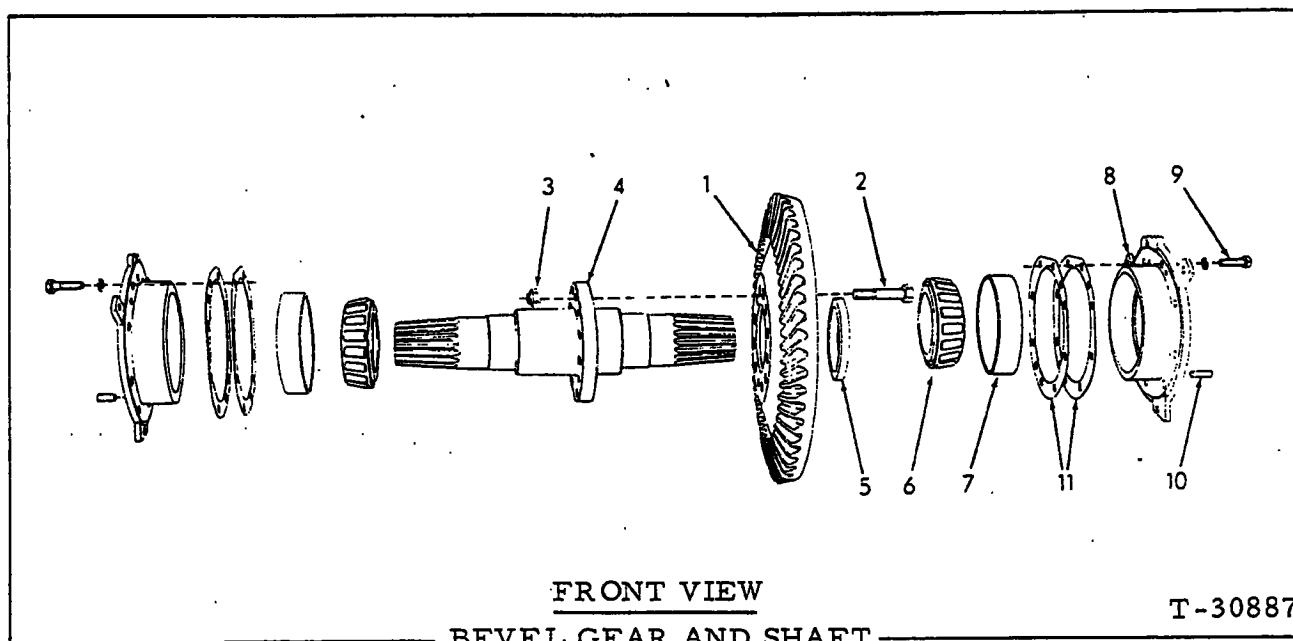


FINAL DRIVE GUARDS

USAGE: Special equipment. For use when operating in severe rock terrain.
Also see page 139 for optional guards.

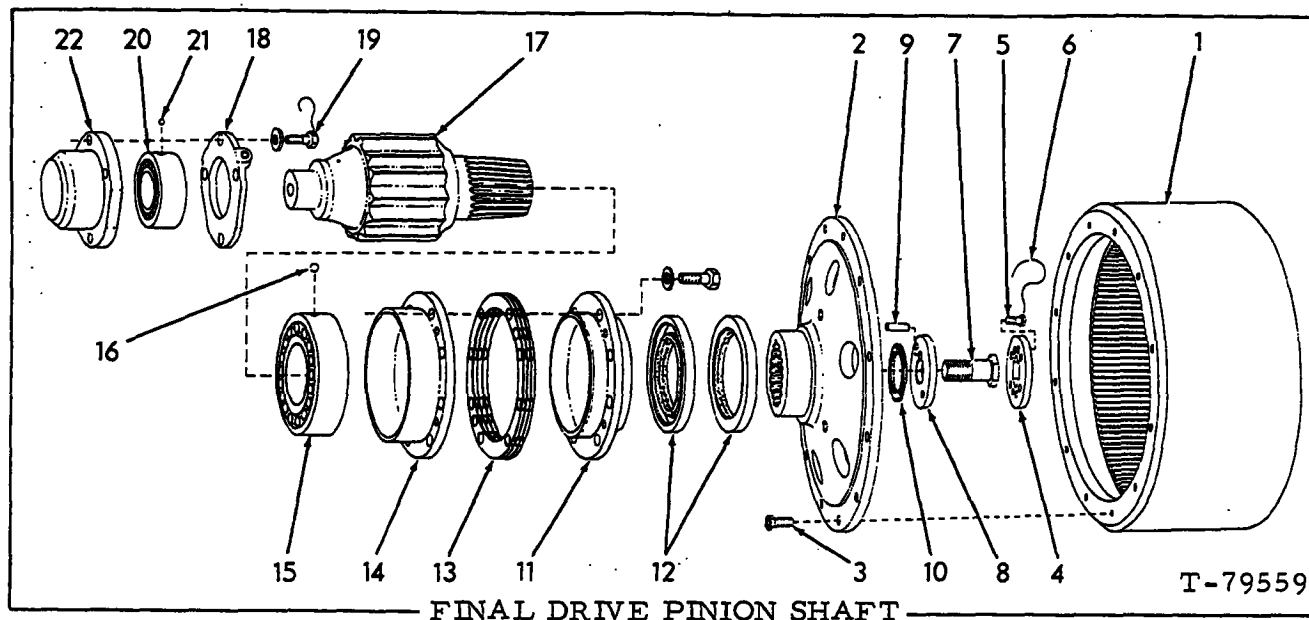
ITEM	PART NO.	QTY.	DESCRIPTION
1	73112763	1	PLATE, left hand
	73112764	1	PLATE, right hand
	70921068	12	CAPSCREW, 3/4" NC x 2-1/4"
	70929188	12	WASHER
2	73112724	8	SHIM Use as required
3	73112723	8	SHIM
4	73112805	1	PLATE, left hand
	73112806	1	PLATE, right hand
	70921068	4	CAPSCREW, 3/4" NC x 2-1/4"
	70929188	4	WASHER
5	73112817	1	PLATE, left hand
	73112818	1	PLATE, right hand
	70922475	4	CAPSCREW, 3/4" NC x 1-1/2"
	70929188	4	WASHER
	70921455	6	CAPSCREW, 5/8" NC x 4-1/2"
	70677010	6	WASHER
6	70687769	2	GUARD, track sprocket, upper
	70921068	4	CAPSCREW, 3/4" NC x 2-1/4"
	70929188	4	WASHER

(Revised February 1980)

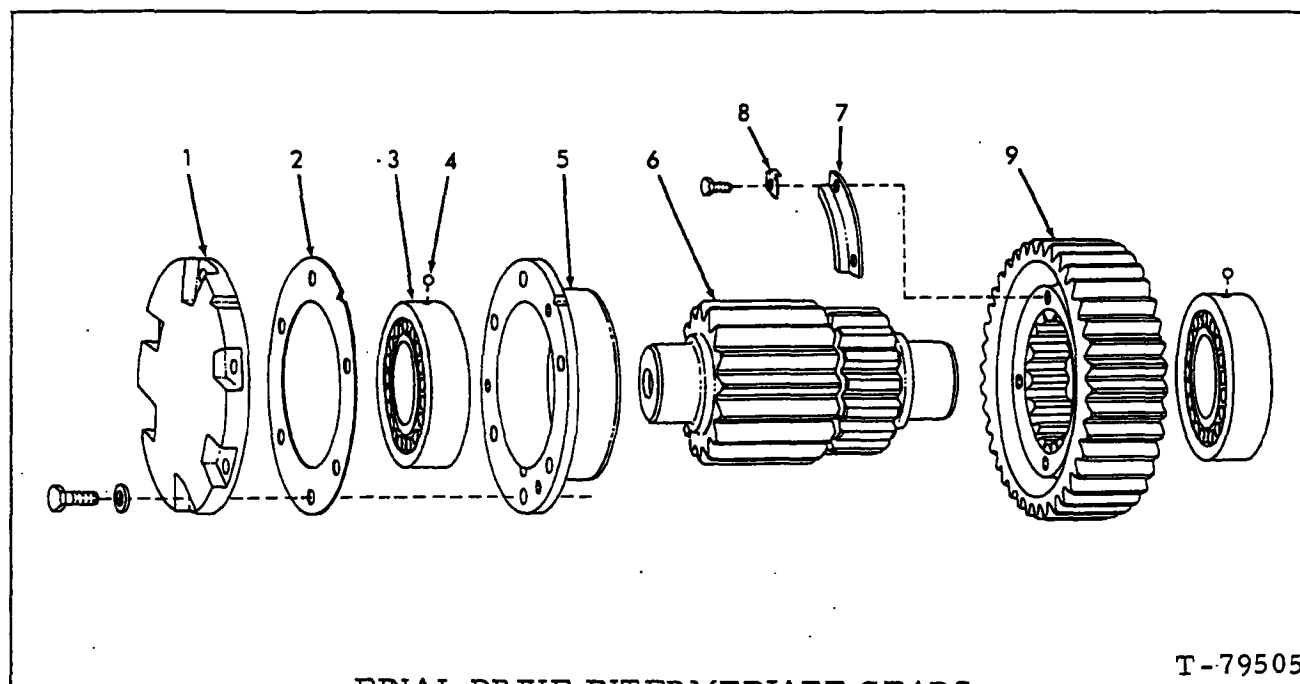


ITEM	PART NO.	QTY.	DESCRIPTION
1	70682606	1	GEAR, bevel (45 teeth)(Tractors prior to unit #21851)
	73116311	1	GEAR, bevel (45 teeth)(Tractor unit #21851 and up)
2	70696121	12	CAPSCREW
3	70645319	12	NUT, elastic stop, 3/4"NF
4	70686437	1	SHAFT
5	70682595	1	RING
6	70051989	2	CONE ASSY.
7	70051988	2	CUP
8	70682602	-	CAGE ASSY. (Includes item 10)
9	70921556	16	CAPSCREW, 1/2"NC x 2"
	70912441	16	LOCKWASHER, 1/2"
10	70682598	4	PIN
11	70067483	12	SHIM (.005" thick)
	70067484	10	SHIM (.007" thick)
	70067485	4	SHIM (.030" thick)

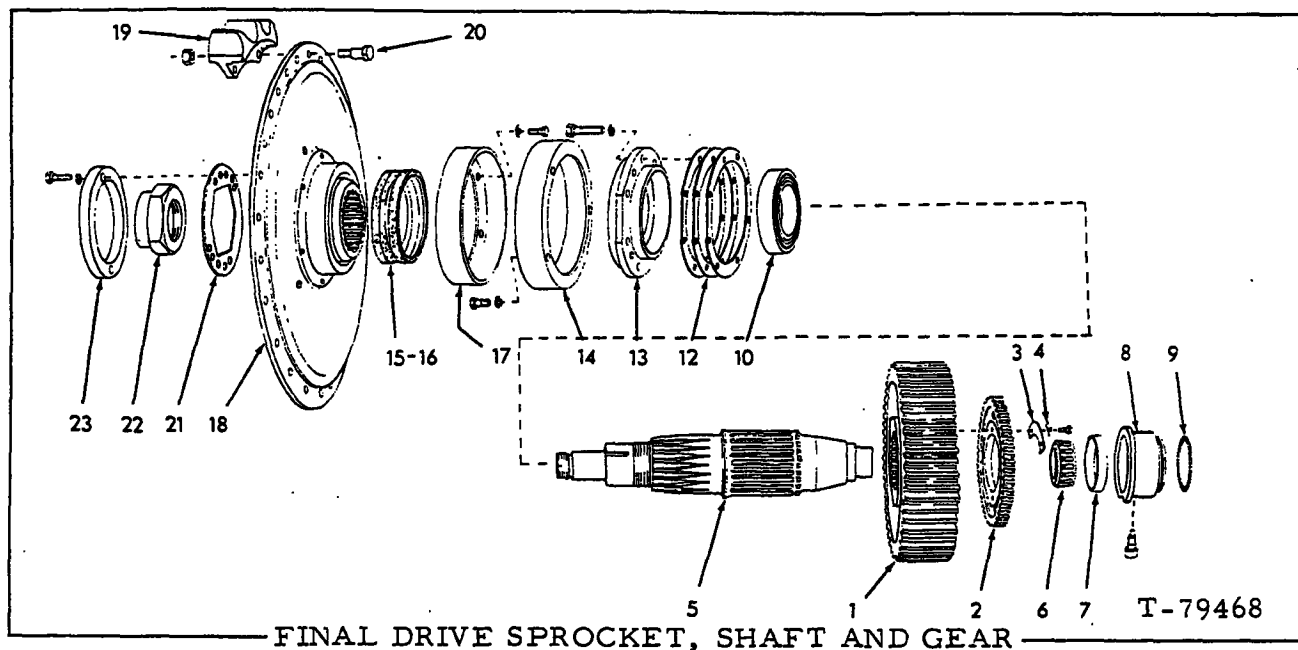
Use as required



ITEM	PART NO.	QTY.	DESCRIPTION
1	70093953	2	DRUM
2	70623344	2	HUB
3	70650811	24	BOLT, 5/8"NC x 1-1/2"
4	70681558	2	LOCK
5	70928506	4	CAPSCREW, 3/8"NC x 5/8"
6	70023633	2	WIRE, locking, 1/16" x 12"
7	70684726	2	CAPSCREW
8	70681560	2	WASHER ASSY. (Includes item 9)
9	70052066	2	PIN
10	70623346	2	SEAL (rubber)
11	70686841	2	CAGE ASSY. (Includes item 12)
	70920585	8	CAPSCREW, 1/2"NC x 1-3/4"
	70928178	8	WASHER
12	70695225	4	SEAL
13	70067484	18	SHIM (.007" thick) (Use as required)
14	70686503	2	CAGE
15	70695236	2	BEARING
16	70905358	2	BALL, steel, 1/4" diam.
17	70686352	2	PINION (14 teeth)(Tractors prior to unit #21758)
	73115074	2	PINION (14 teeth)(Tractors unit #21758 thru #21850)
	73117339	2	PINION (14 teeth)(Tractor unit #21851 and up)
18	70686615	1	ADAPTER, left side
	70686616	1	ADAPTER, right side
19	70665895	8	CAPSCREW, 3/8"NC x 1-1/4"
	70927453	8	WASHER
20	70695235	2	BEARING
21	70905357	2	BALL, steel, 3/16" diam.
22	70686679	2	CAGE



ITEM	PART NO.	QTY.	DESCRIPTION
1	70686476	2	RETAINER
	70926774	12	CAPSCREW, Nylok, 5/8"NC x 1-3/4"
	70927381	12	WASHER
2	70686896	24	SHIM, (.010" thick) (Use as required)
3	70695238	4	BEARING
4	70905360	4	BALL (steel, 3/8" diam.)
5	70686515	2	CAGE (Tractors prior to unit #22074)
	73116623	2	CAGE (Tractor unit # 22074 and up)
6	70686355	2	PINION (Tractors prior to unit #22074) 73132691
	73116636	2	PINION (Tractor unit # 22074 and up) 73123204
7	70686546	4	LOCK (Tractors prior to unit #22074)
	73116621	4	LOCK (Tractor unit # 22074 and up)
	70922763	8	CAPSCREW, 3/8"NC x 1"
8	70052444	8	LOCK
9	73117194	2	GEAR (38 teeth)(Tractors prior to unit #22074)
	73115069	2	GEAR (38 teeth)(Tractor unit # 22074 and up)



ITEM	PART NO.	QTY.	DESCRIPTION
1	73117257	2	GEAR (Tractors prior to unit #22074)
	73116633	2	GEAR (Tractor unit #22074 and up)
2	70686680	2	GEAR
3	70686943	4	LOCK
	70923470	8	CAPSCREW, 3/8"NC x 1-1/2" (plated)
4	70052444	8	LOCK
5	70686096	2	SHAFT (Tractors prior to unit # 22074)
	73116720	2	SHAFT
6	73119965	2	CUP AND CONE ASSY. (Consists of matched CUP and CONE)
8	70690823	2	CAGE
	70690821	2	SETSCREW
9	70924140	2	O-RING
10	73116012	2	BEARING (Tractors prior to unit # 22074)
	73117016	2	BEARING (Tractor unit # 22074 and up)
12	70686965	4	SHIM (.005" thick)
	70686966	4	SHIM (.007" thick)
	70686967	12	SHIM (.010" thick)
	73116627	4	SHIM (.005" thick)
	73116628	4	SHIM (.007" thick)
	73116629	12	SHIM (.010" thick)
13	70686669	2	CAGE (3" wide)(Tractor prior to unit #21474)
	73109651	2	CAGE (3-3/8" wide)(Tractor unit #21484 thru 22073)
	73116626	2	CAGE (3-1/2" wide)(Tractor unit # 22074 and up)
	70921172	16	CAPSCREW, 5/8"NC x 2-1/4"
	70930364	16	WASHER
14	70686976	2	GUARD
	70924277	6	CAPSCREW, 5/8"NC x 1"
	70927381	6	WASHER
15	70684244	2	SEAL ASSY. (Includes item 16 Ring Set 70699040) (First type)
	73115348	2	SEAL ASSY. (Includes item 16 Ring Set 73115349) (Second type)

(Continued)

FINAL DRIVE SPROCKET, SHAFT AND GEAR (Continued)

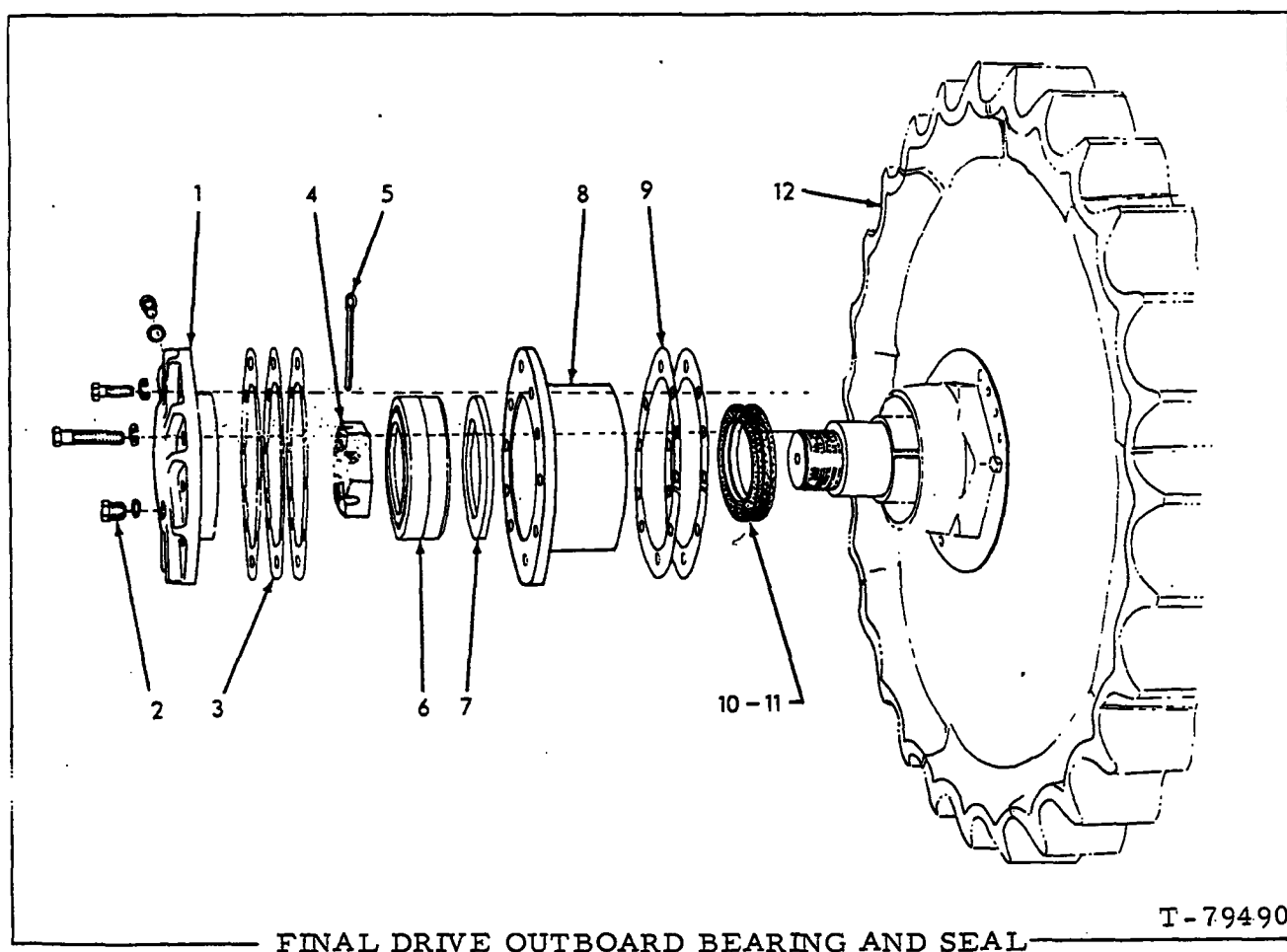
ITEM	PART NO.	QTY.	DESCRIPTION
16	70699040	2	RING SET (Includes 2 sealing washers I.D. 8.952", sufficient to service 1 Seal Assy. 70684244) (First type)
	73115349	2	RING SET (Includes 2 sealing washers I.D. 9.142", sufficient to service 1 Seal Assy. 73115348) (Second type)
17	70686782	2	GUARD
	70921175	12	CAPSCREW, 1/2"NC x 1"
	70928178	12	WASHER
18	70686356	2	HUB (15/16" diam. segment bolt flange)(Tractors prior to unit #21428 including unit #21430)
	73111174	2	HUB (1" diam. segment bolt flange)(Tractor unit #21428 and up excluding unit #21430)
19	70679509 ^{NLA}	18	SEGMENT (3/4" wide bolt flange). } Tractors prior to unit #21428 including unit #21430
	73111948 ^{NLA}	18	SEGMENT (1" wide bolt flange) (Special service) }
	73110397	18	SEGMENT (1" wide bolt flange)(Tractor unit #21428 and up excluding unit #21430)
20	70693689	54	BOLT, 7/8"NF x 2-5/8" (Standard) }
	73111949	54	BOLT, 7/8"NF x 2-7/8" (Special service) }
	70679507	54	NUT, 7/8"NF }
	73110399	54	BOLT, 1"NF x 3" }
	73111176	54	NUT, 1"NF }
21	70082315	2	LOCK
22	70686571	2	NUT
23	70630056	2	RING
	70920585	4	CAPSCREW, 1/2"NC x 1-3/4"
	70912441	4	LOCKWASHER, 1/2"

ORANGE & TRACOR.

800-322-734

Julie

Joe-



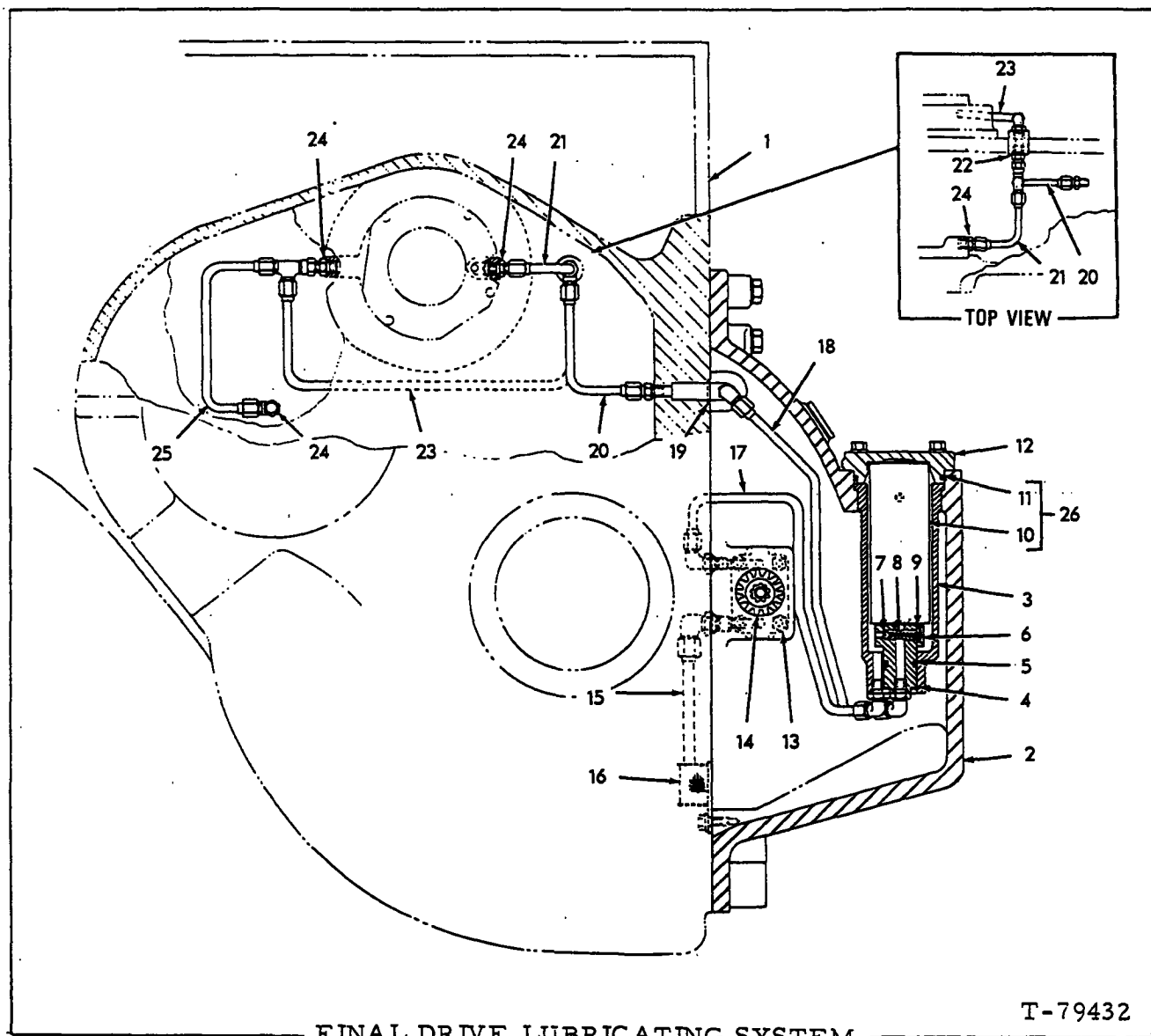
ITEM PART NO. QTY. DESCRIPTION

1	70686537	2	CAP	
	70927999	2	PLUG, 1/2" tube, hex-socket-hd., (Includes O-RING)	
	70921349	2	O-RING	
	70921174	12	CAPSCREW, 5/8"NC x 2-1/2"	
	70927381	12	WASHER	
	70920582	8	CAPSCREW, 1/2"NC x 1-1/4"	
	70928460	8	WASHER	
2	70695506	2	PLUG	
	70695505	2	GASKET	
3	70687002	4	SHIM (.005" thick)	} Use as required
	70687003	4	SHIM (.007" thick)	
	70687004	8	SHIM (.010" thick)	
4	70690869	2	NUT	
5	70904016	2	PIN, cotter, 3/8" x 4	
6	70686337	2	BEARING	
7	70686811	2	SPACER (.625" thick)	} Use as required
	70686812	2	SPACER (.594" thick)	
	70686813	2	SPACER (.656" thick)	
8	70686844	2	CAGE	

(Continued)

FINAL DRIVE OUTBOARD BEARING AND SEAL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	70686897	12	SHIM (.015" thick) (Use as required)
10	70686949	2	SEAL ASSY. (Includes item 11)
11	70699039	2	RING SET (Includes 2 sealing washers sufficient to service 1 SEAL ASSY.)
12	-----	-	SPROCKET (See page 145)



ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	FINAL DRIVE HOUSING
2	-----	1	COVER, left
	-----	1	COVER, right
3	70687049	2	HOUSING (Tractors prior to S/N 71A 22074)
	73116719	2	HOUSING (Tractor S/N 71A 22074 and up)
	70922747	2	SETSCREW, 3/8" NC x 1/2"
	70927484	2	CAPSCREW, 3/8" NC x 1/2"
4	70930893	2	RING (Tractors prior to S/N 71A 22074)
	70927776	2	RING (Tractor S/N 71A 22074 and up)
5	70933618	2	O-RING
6	70694328	2	VALVE ASSY. (Includes items 7 thru 9) (Tractors prior to S/N 71A 22074)
	73116716	2	VALVE ASSY. (Includes items 7 thru 9) (Tractor S/N 71A 22074 and up)

(Continued)

(Revised June 1981)

FINAL DRIVE LUBRICATING SYSTEM (Continued)

7	70905361	2	BALL, 7/16"
8	70695157	2	SPRING
9	70910002	2	PLUG, expansion, 3/4"
10	-----	2	☐ ELEMENT (Order item 26)
11	70925920	2	☐ O-RING
12	70676421	2	COVER
	70920582	4	CAPSCREW, 1/2" NC x 1-1/4"
	70928460	4	WASHER
13	70687014	2	PUMP (Serviced only as a unit)
	70922286	8	CAPSCREW, 5/16" NC x 1-3/4"
	70919311	8	LOCKWASHER, 5/16"
14	70686037	2	GEAR
15	70687133	2	TUBE (Includes nuts)
	70933474	2	ELBOW, adjustable, 90°, flare type, 1/2" tube, 3/4" NF male
	70933466	2	O-RING
16	70687113	2	SCREEN
	70922300	2	CAPSCREW, 3/8" NC x 3/4"
	70922465	2	WASHER
17	70687177	1	TUBE, left hand (Includes nuts)
	70687178	1	TUBE, right hand (Includes nuts)
	73116711	1	TUBE, left hand (Includes nuts)
	73116712	1	TUBE, right hand (Includes nuts)
	70925983	4	ELBOW, adjustable, 90°, flare type, 3/8" tube, 9/16" NF
	70933476	4	O-RING
18	70687179	1	TUBE, left hand (Includes nuts)
	70687180	1	TUBE, right hand (Includes nuts)
	73112381	1	TUBE, left hand (Includes nuts)
	73112382	1	TUBE, right hand (Includes nuts)
	70925983	2	ELBOW, adjustable, 90°, flare type, 3/8" tube, 9/16" NF
	70928385	2	ELBOW, swivel, 90°, flare type, 3/8" tube, 1/4" NPT, male
	70933476	2	O-RING
19	70933491	2	O-RING
20	70687175	2	TUBE (Includes nuts)
	70919062	2	CONNECTOR, flare type, 3/8" tube, 1/4" NPT male
	70921297	2	TEE, flare type, swivel nut, 3/8" tube
21	70687150	2	TUBE (Includes nuts)
22	70933470	2	CONNECTOR, flare type, 3/8" tube, 9/16" NF male end
	70933476	2	O-RING
23	70687172	2	TUBE (Includes nuts)
	70925983	2	ELBOW, adjustable, 90°, flare type, 3/8" tube 9/16" NF
	70921297	2	TEE, flare type, swivel nut, 3/8" tube
	70933476	2	O-RING

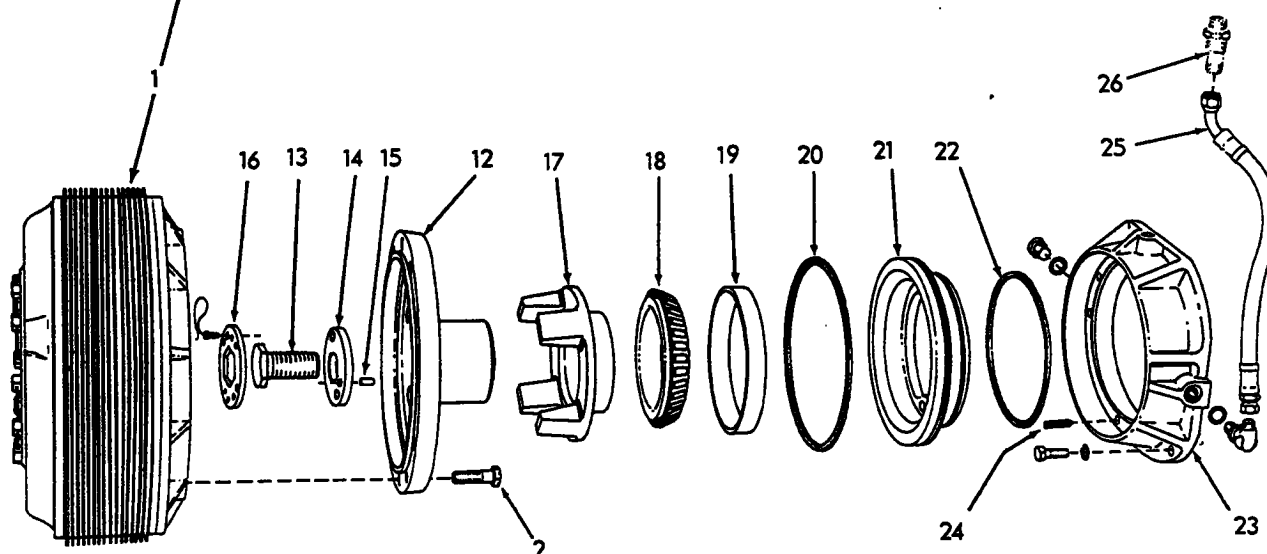
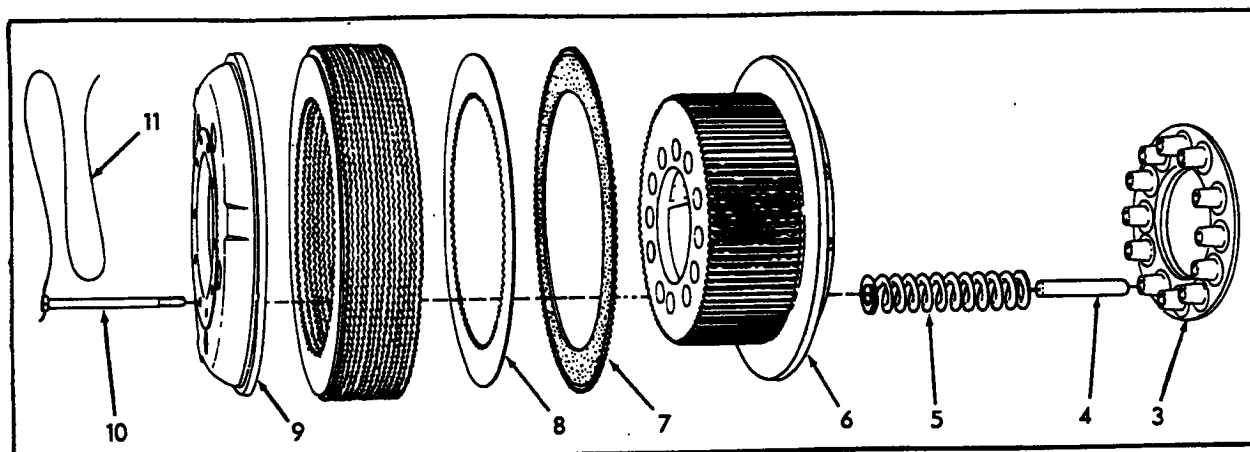
(Continued)

(Revised June 1981)

FINAL DRIVE LUBRICATING SYSTEM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
24	70687156	6	CONNECTOR
	70933476	6	O-RING
25	70687167	2	TUBE (Includes nuts)
	70921013	2	ELBOW, swivel, 90°, flare type, 3/8" tube, 9/16" str., thd.
26	70694662	2	ELEMENT KIT (Includes items 10 and 11)

☐ Components of item 26



STEERING CLUTCHES.

T-78497

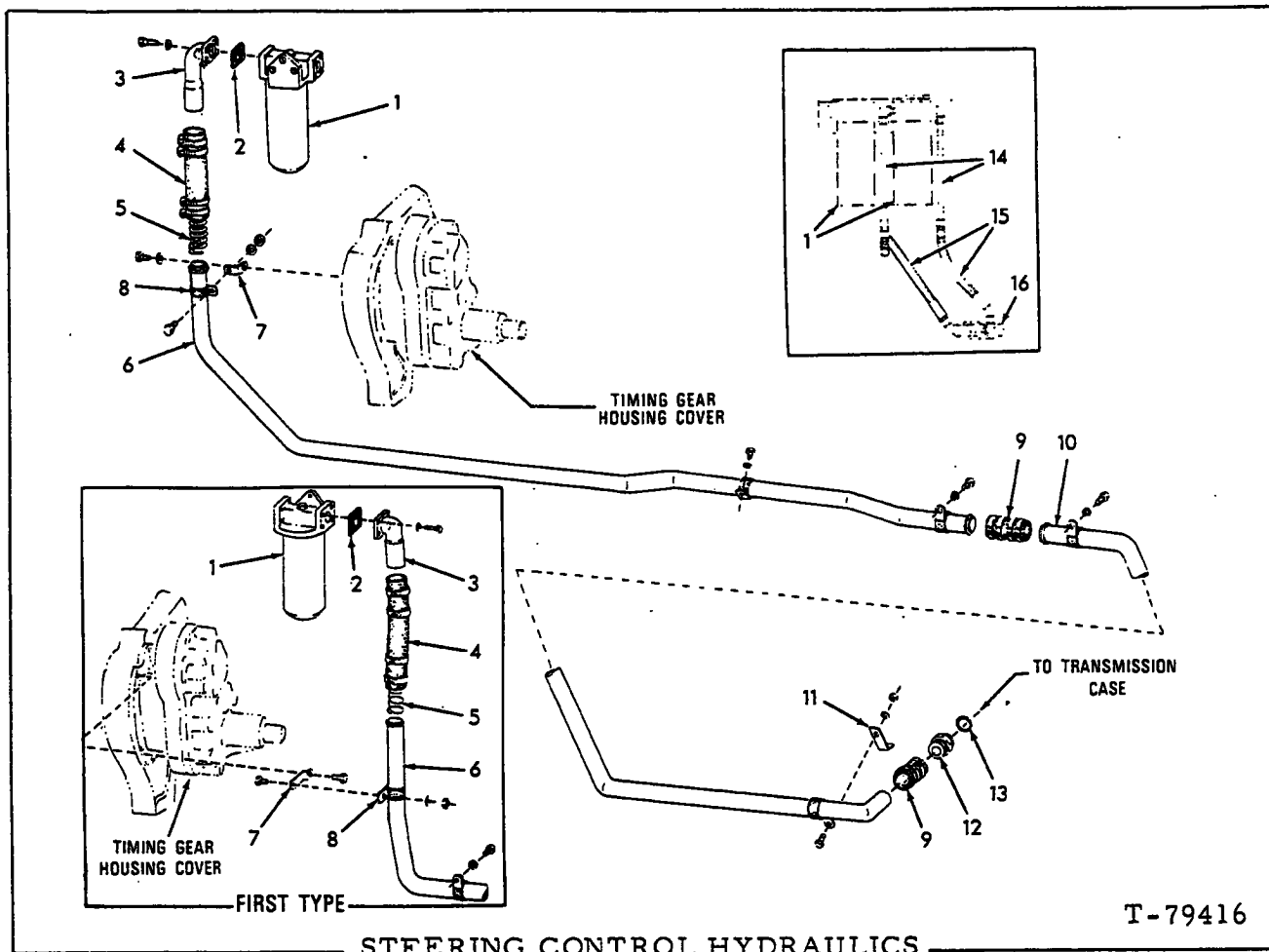
ITEM	PART NO.	QTY.	DESCRIPTION
1	70623010	2	CLUTCH ASSY. (Consists of items 3 thru 11)
2	70650812	24	BOLT, 5/8"NC x 2"
3	70051836	2	PLATE
4	70052118	20	SPACER
5	70623016	20	SPRING
6	70650691	2	HUB
7	70623017	32	DISC

(Continued)

STEERING CLUTCHES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	70623018	36	DISC (Use as required)
9	70054809	2	PLATE
10	70929079	20	CAPSCREW, drilled-hd., 1/2"NC x 6-1/2"
11	70052519	4	WIRE, locking, 1/16" x 39"
12	70686435	2	HUB
13	70684726	2	CAPSCREW
14	70681560	2	WASHER ASSY., (Includes item 15)
15	-----	2	PIN
16	70681558	2	LOCK
	70928506	4	CAPSCREW, drilled-hd., 3/8"NC x 5/8"
	70023633	2	WIRE, locking, 1/16" x 12"
17	70686436	2	SLEEVE
18	70623007	2	CONE ASSY.
19	70623008	2	CUP
20	70623003	2	RING
21	70682601	2	PISTON
22	70623004	2	RING
23	70642448	2	RING
	70927547	2	PLUG, hex-hd., 3/4" straight thread
	70933466	2	O-RING
	70920574	6	CAPSCREW, 1/2"NC x 1-3/8"
	70912441	6	LOCKWASHER, 1/2"
24	70040475	6	SPRING
25	70645074	2	HOSE, (See HOSE PARTS)
	70933474	2	ELBOW, adjustable, 90°, flare type, 1/2" tube, 3/4" straight thread (Includes washer and nut)
	70933466	2	O-RING
26	-----	2	UNION (See page 162)

(Revised June 1980)



STEERING CONTROL HYDRAULICS

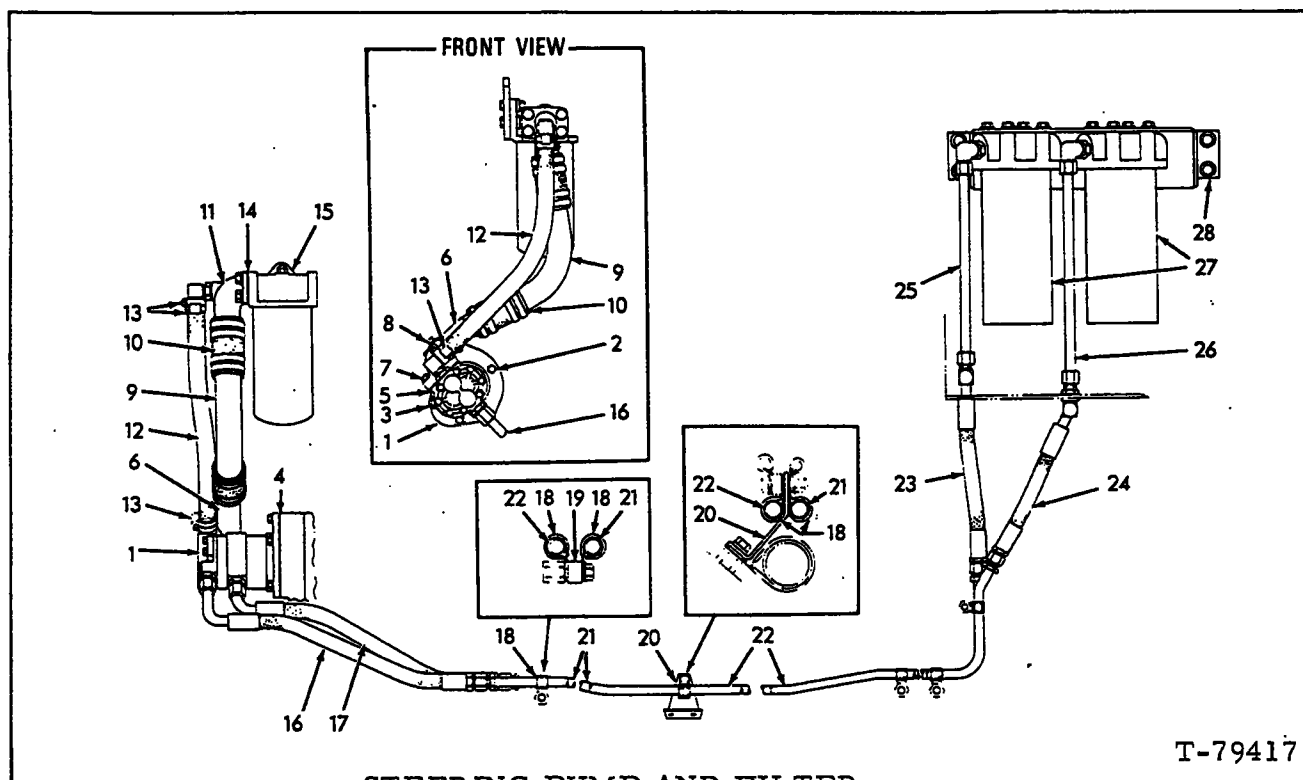
T-79416

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	-	STEERING PUMP AND FILTERS (See page 156)
2	70652011	1	GASKET
3	70667162	1	ELBOW (Tractors prior to unit #21812 excluding #21757, 21761 and 21767)
	73117197	1	ELBOW (Tractors unit #21812 and up including #21757, 21761 and 21767)
	70920582	4	CAPSCREW, 1/2"NC x 1-1/4"
	70928460	4	WASHER
4	70690863	1	HOSE (Tractors prior to unit #21812 excluding #21757, 21761, and 21767)
	73117185	1	HOSE (Tractors unit #21812 and up including #21757, 21761 and 21767)
	70921913	4	CLAMP, 1-13/16" to 2-3/4" diam.
5	70930970	1	GUARD
6	70690943	1	TUBE (Tractors prior to unit #21812 excluding #21757, 21761 and 21767)
	73117190	1	TUBE (Tractors unit #21812 and up including #21757, 21761 and 21767)

(Continued)

STEERING CONTROL HYDRAULICS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	70690947	1	STRAP (Tractors prior to unit #21812 excluding #21757, 21761 and 21767)
	73117193	1	STRAP (Tractors unit #21812 and up including #21757, 21761 and 21767)
	70927212	1	CAPSCREW, nylok, 3/8"NC x 1"
8	70927313	6	CLIP
	70922300	3	CAPSCREW, 3/8"NC x 3/4"
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70929156	4	WASHER
	70911026	2	NUT, 3/8"NC
	70677006	1	WASHER
9	70623234	2	HOSE
	70921913	8	CLAMP, 1-13/16" to 2-3/4" diam.
10	70683211	1	TUBE
11	70683491	1	ANGLE
12	70683485	1	ADAPTER
13	70933497	1	O-RING
14	70690847	2	TUBE ASSY. (Includes Nuts)
	70933463	2	ELBOW, adjustable, 90°, flare type, 3/4" tube, 1-5/16"NF male end (Includes Washer and Nut)
	70925922	2	O-RING
	70925031	2	ELBOW, bulkhead, 90°, 3/4" tube, 1-1/16" straight thread (Includes Nut)
15	70690850	1	HOSE ASSY., left
	70690849	1	HOSE ASSY., right
	70933462	2	ELBOW, adjustable, 90°, flare type, 3/4" tube 3/4"NF male end (Includes Washer and Nut)
	70933466	2	O-RING
16	-----	-	VALVE, control (See page 162)



STEERING PUMP AND FILTER

USAGE: Tractors prior to serial No. 71A21812 excluding #21757, 21761 & 21767

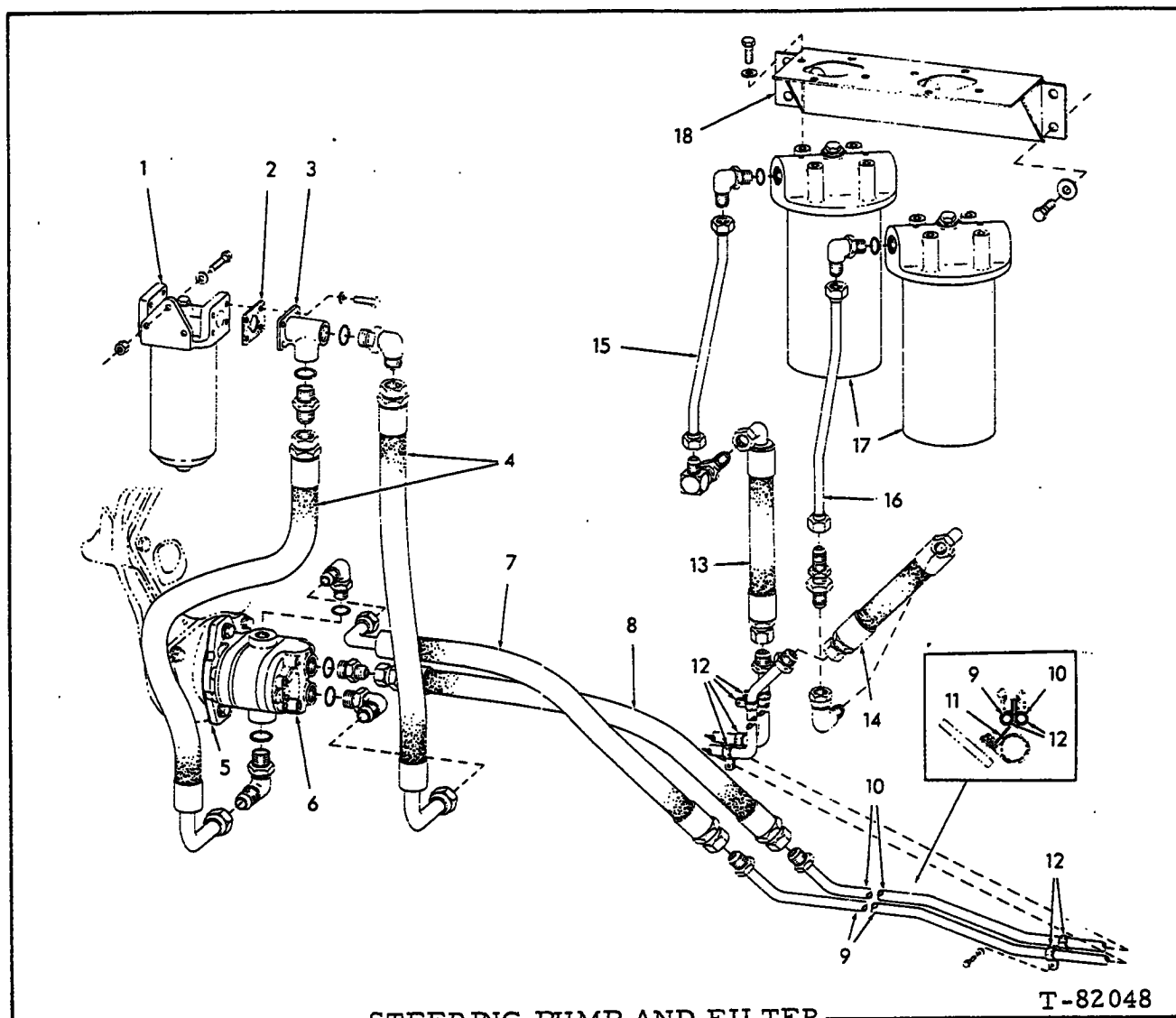
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PUMP ASSY. (See page 158)
2	70922848	3	CAPSCREW, 3/8"NC x 3-1/4"
	70910287	3	LOCKWASHER, 3/8"
3	70921569	2	CAPSCREW, 7/16"NC x 1-1/4"
	70929247	2	WASHER
4	74371742	1	GASKET
5	70655999	1	GASKET
6	70696691	1	ELBOW
7	70921076	1	CAPSCREW, 3/8"NC x 1"
8	70922848	1	CAPSCREW, 3/8"NC x 3-1/4"
	70910287	2	LOCKWASHER, 3/8"
9	70696695	1	TUBE
10	70623234	2	HOSE
	70921913	8	CLAMP, 1-13/16" to 2-3/4" diam.
11	70699856	1	ELBOW
	70920582	4	CAPSCREW, 1/2"NC x 1-1/4"
	70928460	4	WASHER
12	70699857	1	HOSE
	70928888	2	FITTING, stem, 90°, 3/4" tube, 1-1/16" straight thread (Includes nut)
13	70922660	4	CLAMP, 13/16" to 1-1/2" diam.
14	70652011	1	GASKET
15	-----	1	FILTER ASSY. (See page 159)
	70920585	3	CAPSCREW, 1/2"NC x 1-3/4"
	70677008	3	WASHER
	70911028	3	NUT, 1/2"NC

(Continued)

STEERING PUMP AND FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
16	70691025	1	HOSE (See HOSE PARTS)
	70933500	1	CONNECTOR, flare type, 3/4" tube, 1-1/16" straight male thread
	70930724	1	O-RING
17	70646915	1	HOSE (See HOSE PARTS)
	70933500	1	CONNECTOR, flare type, 3/4" tube, 1-1/16" straight male thread
	70930724	1	O-RING
18	70927310	10	CLAMP, insulated
	70923470	1	CAPSCREW, 3/8"NC x 1-1/2"
	70922300	1	CAPSCREW, 3/8"NC x 3/4"
	70929156	2	WASHER
19	70690932	1	SPACER
20	70690931	1	BRACKET
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70930370	3	WASHER
21	70690921	1	TUBE ASSY. }
22	70690922	1	TUBE ASSY. } Each includes nuts
23	70690851	1	HOSE }
24	70690852	1	HOSE } See HOSE PARTS
25	70690846	1	TUBE ASSY. (Includes nuts)
	70933463	1	ELBOW, adjustable, 90°, flare type, 3/4" tube, 1-5/16"NF male end (Includes washer and nut)
	70925922	1	O-RING
	70925031	1	ELBOW, bulkhead, 90°, 3/4" tube, 1-1/16" straight thread (Includes nut)
26	70690848	1	TUBE ASSY. (Includes nuts)
	70933463	1	ELBOW, adjustable, 90°, flare type, 3/4" tube 1-5/16"NF male end (Includes washer and nut)
	70925922	1	O-RING
	70925031	1	ELBOW, bulkhead, 90°, 3/4" tube, 1-1/16" straight thread (Includes nut)
27	-----	2	FILTER ASSY. (See page 160)
	70927204	8	CAPSCREW, 1/2"NF x 1-1/8"
	70928188	8	WASHER
28	70690958	1	BRACKET
	70920582	4	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	4	WASHER

(Revised February 1980)



STEERING PUMP AND FILTER

T-82048

USAGE: Tractors serial No. 71A21812 and up including #21757, 21761 and 21767

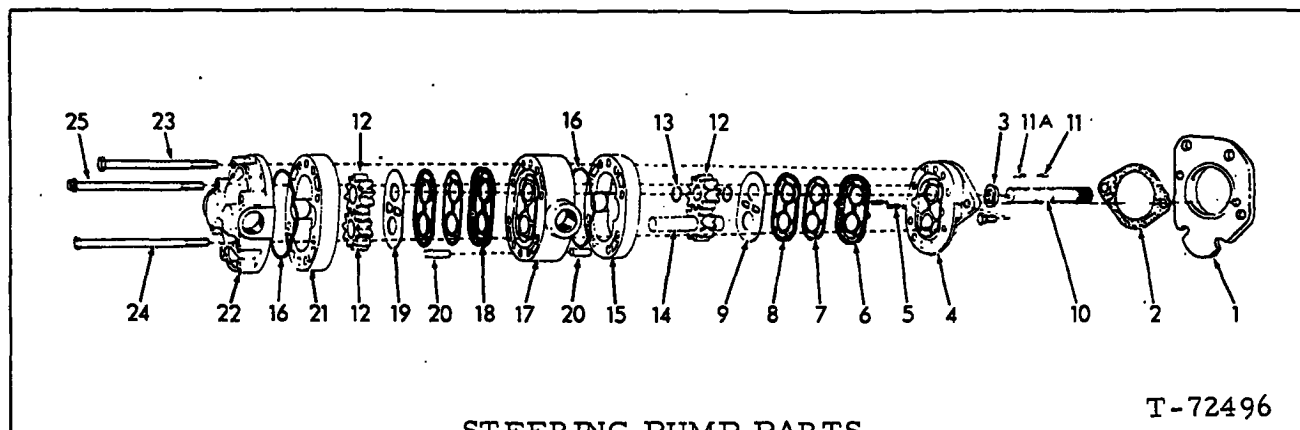
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	FILTER ASSY. (See page 159)
	70920585	3	CAPSCREW, 1/2"NC x 1-3/4"
	70677008	3	WASHER
	70911028	3	NUT, 1/2"NC
2	70652011	1	GASKET
3	73117195	1	ELBOW
	70920582	4	CAPSCREW, 1/2"NC x 1-1/4"
	70928460	4	WASHER
4	73117187	2	HOSE (See HOSE PARTS)
	70933473	2	ELBOW, adjustable, 90°, flare type, 1" tube, 1-5/16" str. thd.
	70925922	2	O-RING
	70933796	1	ELBOW, adjustable, 90°, flare type, 1" tube, 1-1/16" boss end thd.
	70930725	1	O-RING
	70925832	1	CONNECTOR, flare type, 1" tube, 1-5/16" str. thd.
	70925922	1	O-RING

(Continued)
157A

(Revised July 1980)

STEERING PUMP AND FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	70674412	1	GASKET
6	-----	1	PUMP ASSY., steering(See page 158A)
	70923016	2	CAPSCREW, 12-pt., 7/16"NC x 1-1/4"
	70930370	2	WASHER
7	73117188	1	HOSE (See HOSE PARTS)
	70933715	1	ELBOW, adjustable, 90°, flare type, 3/4" tube, 1-1/16" boss end thd.
	70930724	1	O-RING
8	73117186	1	HOSE (See HOSE PARTS)
	70933500	1	CONNECTOR, flare type, 3/4" tube, 1-1/16" str.thd.
	70930724	1	O-RING
9	73117192	1	TUBE ASSY. } Each includes nuts
10	73117191	1	TUBE ASSY. }
11	70690931	1	BRACKET
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70930370	3	WASHER
12	70927310	8	CLAMP
	70922300	1	CAPSCREW, 3/8"NC x 3/4"
	70929156	1	WASHER
13	70690851	1	HOSE } See HOSE PARTS
14	70690852	1	HOSE }
15	70690846	1	TUBE ASSY. (Includes nuts)
	70922632	1	ELBOW, adjustable, 90°, flare type, 3/4" tube, 1-5/16"NF male(Includes washer, nut and O-RING)
	70921214	1	O-RING
	70925031	1	ELBOW, bulkhead, 90°, 3/4" tube, 1-1/16" str.thd. (Includes nut)
16	70690848	1	TUBE ASSY. (Includes nuts)
	70922632	1	ELBOW, adjustable, 90°, flare type, 3/4" tube, 1-5/16"NF male(Includes washer, nut and O-RING)
	70921214	1	O-RING
	70927063	1	FITTING, bulkhead, 3/4" tube, 1-1/16" str. thd. (Includes nuts)
	70919624	1	ELBOW, 90°, flare type, swivel nut, 3/4" tube
17	-----	2	FILTER ASSY. (See page 160)
	70927204	8	CAPSCREW, 1/2"NF x 1-1/8"
	70928188	8	WASHER
18	70690958	1	BRACKET
	70920582	4	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	4	WASHER

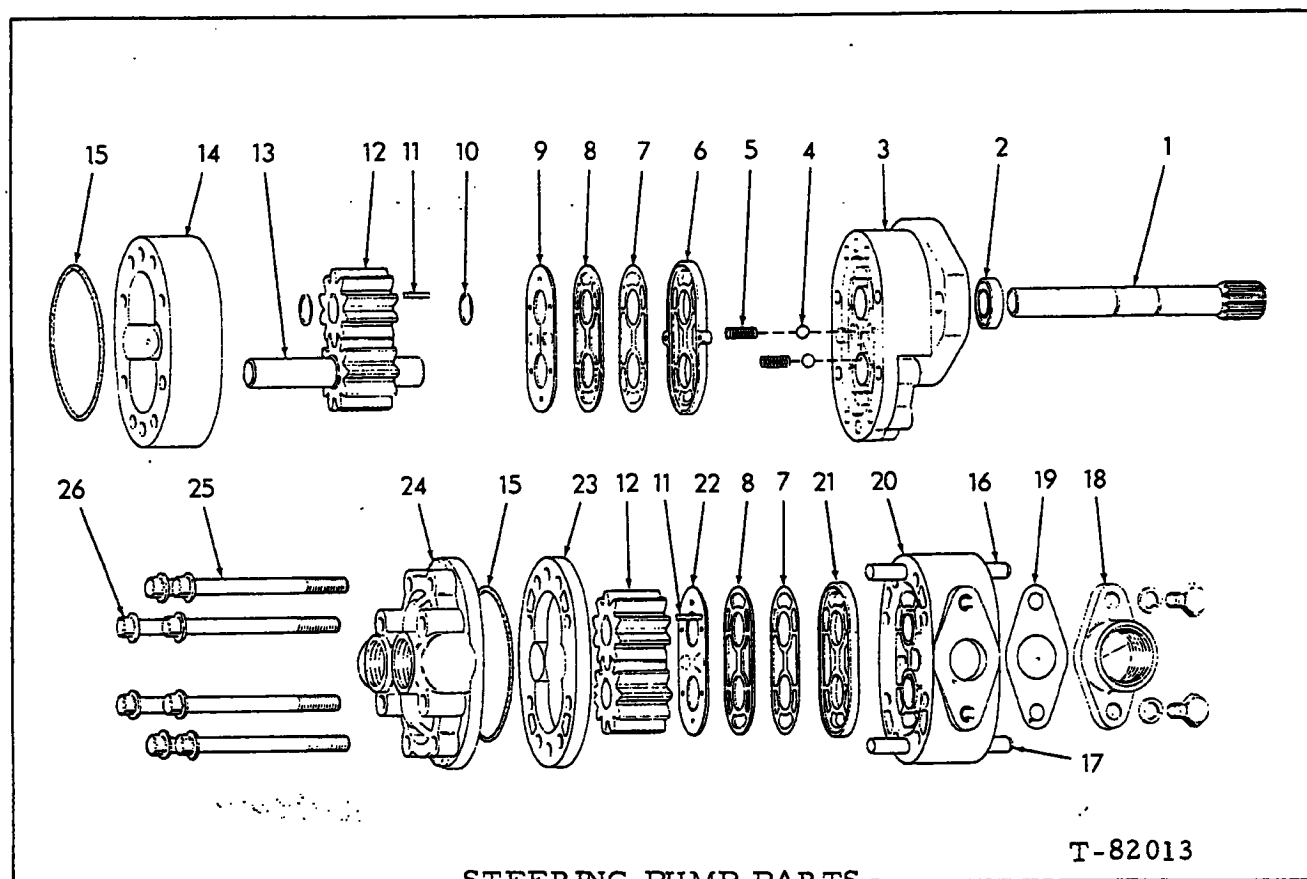


STEERING PUMP PARTS

T-72496

USAGE: Tractors prior to S/N 71A21812 excluding #21757, 21761 and 21767. See page 156.

ITEM	PART NO.	QTY.	DESCRIPTION
-	70699888	1	PUMP ASSY. (Includes items 3 thru 25)
1	70684432	1	PLATE
	70922063	2	CAPSCREW, 12 pt. 7/16"NC x 1"
	70914678	2	LOCKWASHER, 7/16"
2	70674412	1	GASKET
3	73119464	1	SEAL
4	71126490	1	PLATE ASSY. (Includes bushings)
5	70650679	2	SPRING
	70915903	2	BALL, steel, 7/32" diam.
6	71178407	1	SEAL
7	71178408	2	GASKET (thin)
8	70650675	2	GASKET (thick)
9	73108944	1	DIAPHRAGM
10	70653933	1	SHAFT
11	70673454	2	KEY (short)
11A	70691549	1	KEY (long)
12	70669351	3	GEAR
13	70653936	2	RING
14	70669352	1	GEAR ASSY., idler (Includes shaft)
15	70669345	1	BODY
16	70933855	2	O-RING
17	70669350	1	BODY (Includes bushings)
18	70690291	1	SEAL
19	73108945	1	DIAPHRAGM
20	74905870	4	PIN
21	70681695	1	BODY
22	70699889	1	PLATE
23	70930288	4	CAPSCREW, 5/16"NC x 4-1/2"
24	70928309	2	CAPSCREW, 5/16"NC x 5"
25	70924227	2	SCREW, 12 pt-hd., 5/16"NC x 5"



STEERING PUMP PARTS

USAGE: Tractors S/N 71A 21812 and up including #21757, 21761, and 21767. See page 157A.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73117198	1	PUMP ASSY., steering (Includes items 1 thru 26)
1	73122085	1	SHAFT
2	73119464	1	SEAL
3	70677550	1	PLATE ASSY. (Includes bushings)
4	70915903	2	BALL
5	70650679	2	SPRING
6	71178407	1	SEAL
7	71178408	2	GASKET
8	70650675	2	GASKET
9	73111871	1	DIAPHRAGM
10	70653936	2	RING, snap
11	73118003	2	KEY
12	73122082	3	GEAR
13	73122081	1	GEAR ASSY., idler (Includes shaft)
14	74905520	1	BODY
15	70933855	2	O-RING
16	70930513	2	DOWEL, upper
17	70930512	2	DOWEL, lower
18	74999846	1	ADAPTOR
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70910287	2	LOCKWASHER, 3/8"
19	74999844	1	GASKET
20	70669350	1	BODY ASSY., adaptor (Includes bushings)
21	70690291	1	SEAL

(Continued)

(Added July, 1980)

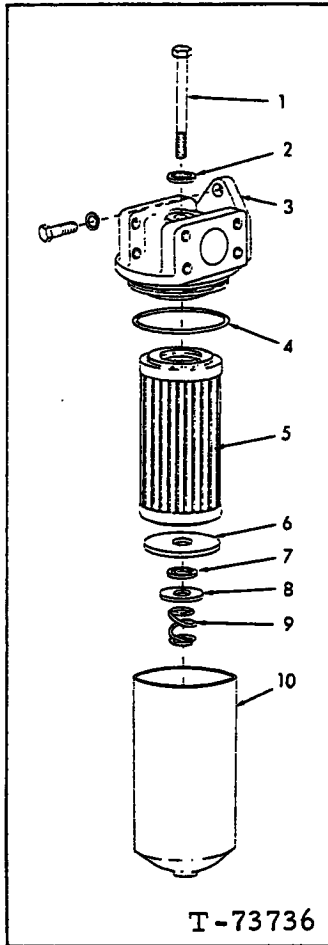
STEERING PUMP PARTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
22	73108945	1	DIAPHRAGM.
23	73122115	1	BODY
24	70678820	1	PLATE
25	70928894	4	CAPSCREW
26	70932572	4	CAPSCREW

(Added July, 1980)

STEERING FILTER (Suction Line)

USAGE: See page 156



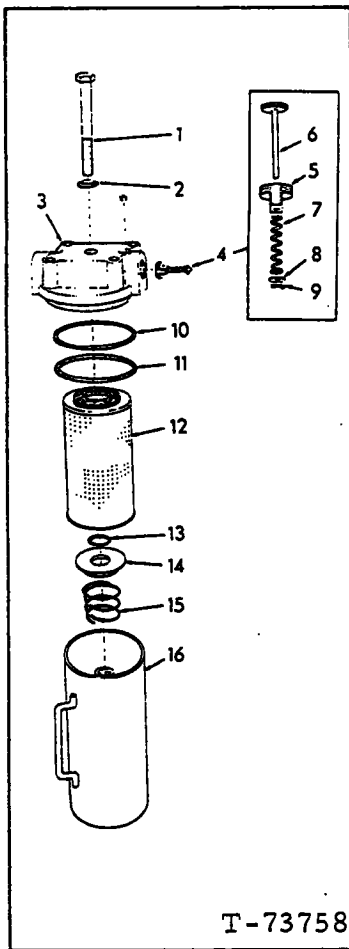
ITEM	PART NO.	QTY.	DESCRIPTION
-	70651113	1	FILTER ASSY. (Includes items 1 thru 10)
1	70918553	1	CAPSCREW, 7/16" x 4-1/2"
2	70651533	1	WASHER
3	70651529	1	HEAD
4	70923834	1	O-RING
5	70651532	1	ELEMENT
6	70656574	1	PLATE
7	70641029	1	WASHER
8	70656573	1	WASHER
9	70656572	1	SPRING
10	70651531	1	TANK

STEERING FILTERS (Pressure Line)

USAGE: See page 157

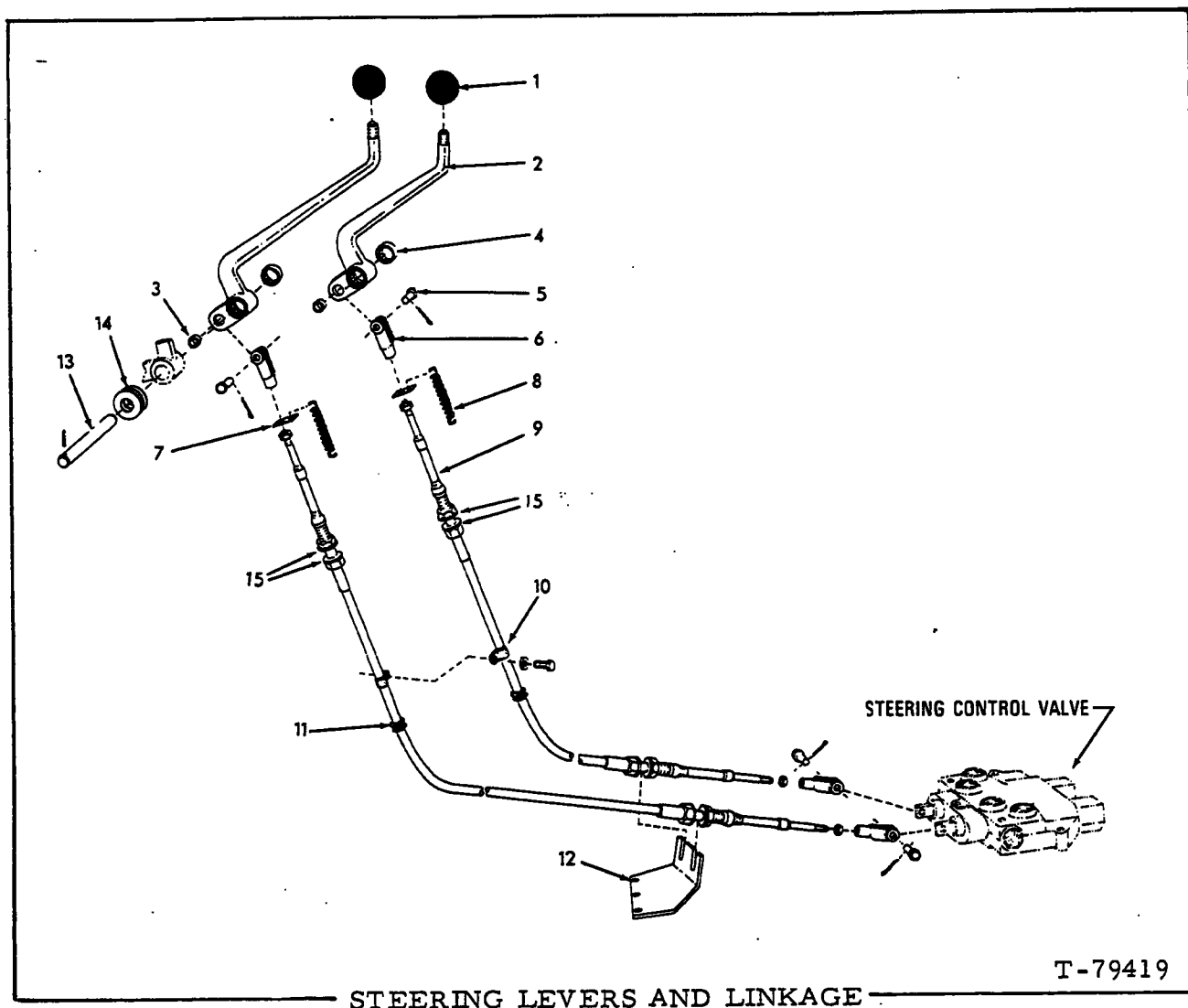
ITEM	PART NO.	QTY.	DESCRIPTION
-	73128974	2	FILTER ASSY. (Includes items 1 thru 16)

NOTE: Quantities listed below are for one (1) Filter Assy. only)

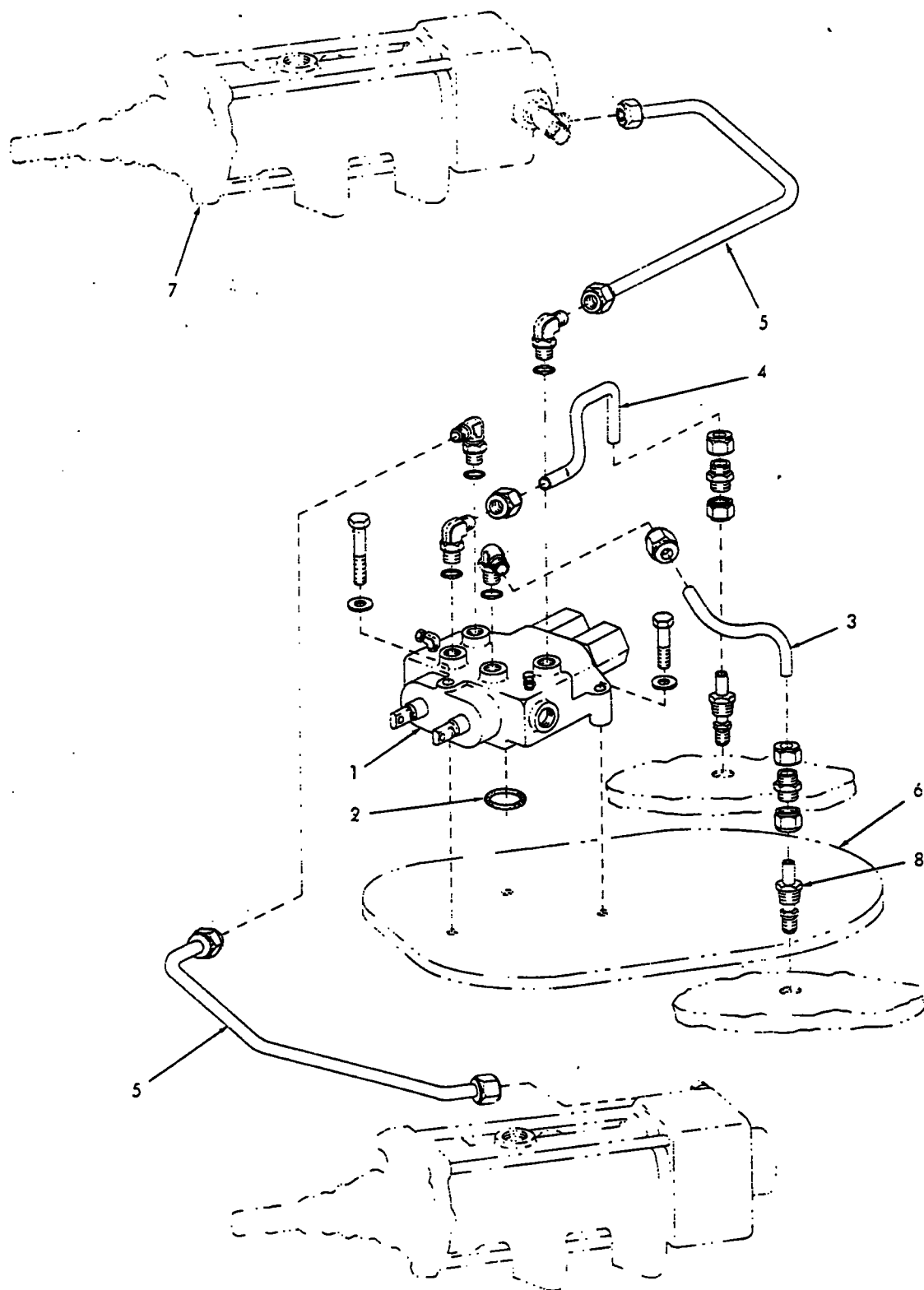


1	70923438	1	CAPSCREW, 3/4" NF x 5-1/2"
2	74254971	1	WASHER
3	70678856	1	HEAD ASSY. (Includes item 4 and plugs indented below)
	70918850	2	PLUG, pipe, hex-socket, 1/4" NPT
4	70661534	1	VALVE ASSY. (Includes items 6 thru 10)
5	-----	1	HOUSING
6	-----	1	VALVE
7	70661268	1	SPRING
8	70632060	1	WASHER
9	70900970	1	PIN, cotter, 1/16" x 1/2"
10	70646532	1	RING
11	70923836	1	O-RING
12	73128973	1	ELEMENT KIT (Includes items 2, 10 and 11)
13	70671616	1	O-RING
14	70641031	1	PLATE
15	70674798	1	SPRING
16	70650428	1	TANK

(Revised June 1981)



ITEM	PART NO.	QTY.	DESCRIPTION
1	70090020	2	KNOB
2	70680784	1	LEVER ASSY., right
	70680786	1	LEVER ASSY., left
3	70652689	2	BUSHING
4	70653319	4	BEARING
5	70627451	4	PIN
	70900801	4	PIN, cotter, 3/32" x 3/4"
6	70637541	4	YOKE
	70910980	4	NUT, jam, 5/16" NF
7	70680788	2	CLIP
8	70072438	2	SPRING
9	70690378	2	CABLE
10	70927599	2	CLAMP, insulated
	70922262	1	CAPSCREW, 3/8" NC x 7/8"
	70929156	1	WASHER
11	70930845	2	GROMMET
12	70690377	1	BRACKET
13	70653279	1	SHAFT
	70916004	1	PIN, spring, 3/16" x 2"
14	70922089	5	WASHER, shimming (Use as required)
15	70927382	8	WASHER



STEERING CONTROL VALVE AND LINES

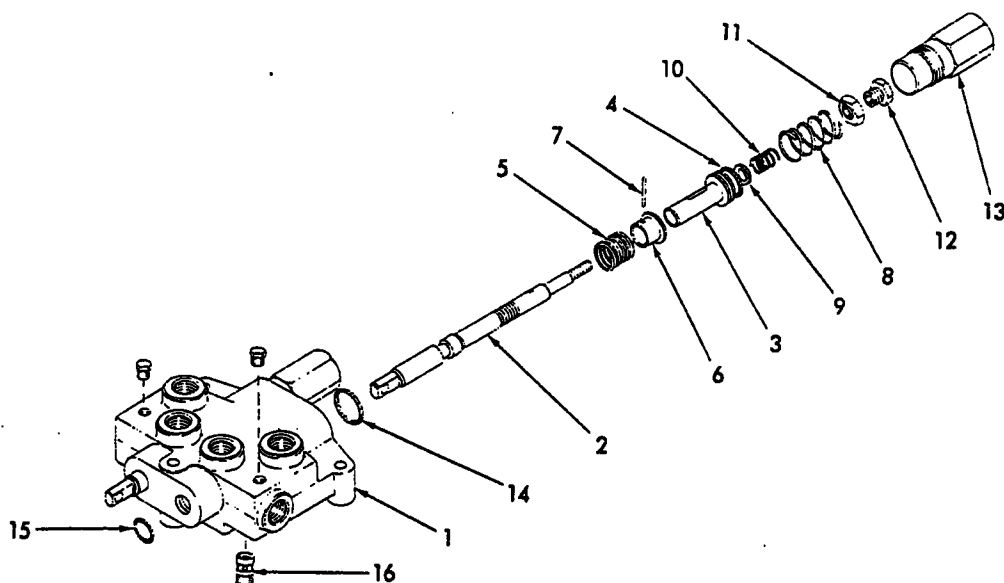
T-79418

STEERING CONTROL VALVE AND LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	VALVE ASSY., control ("Cessna" See page 164)
	70919173	1	ELBOW, flare type, 1/4" tube, 1/8"NPT male
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
	70919464	2	ELBOW, flare type, 45°, 1/4" tube, 1/8"NPT male (Tractor unit #21152 thru #21462)
	70922990	2	ELBOW, flare type, 45°, 1/4" tube, 1/4"NPT (Tractor unit #21463 and up)
	70921467	2	CAP, flare type, 1/4" tube
	70920995	2	CAPSCREW, 3/8"NC x 2"
	70927218	1	CAPSCREW, 3/8"NC x 2-3/4"
	70927453	3	WASHER
2	70933490	1	O-RING
3	70690734	1	TUBE
	70933507	1	ELBOW, 90°, 1/2" tube, 3/4" straight thread (Includes washer and nuts)
	70933466	1	O-RING
	70930852	1	UNION (Includes nuts)
4	70690735	1	TUBE
	70933507	1	ELBOW, 90°, 1/2" tube, 3/4" straight thread (Includes washer and nuts)
	70933466	1	O-RING
	70930852	1	UNION (Includes nuts)
5	70690664	1	TUBE ASSY., left
	70690704	1	TUBE ASSY., right
	70933482	2	ELBOW, adjustable, 90°, flare type, 5/8" tube, 3/4"NF male end
	70933466	2	O-RING
6	-----	-	COVER (See page 139)
7	-----	-	VALVE ASSY. page 167)
8	70690658	2	FITTING

Tractors prior to unit #21152

Each includes nuts.

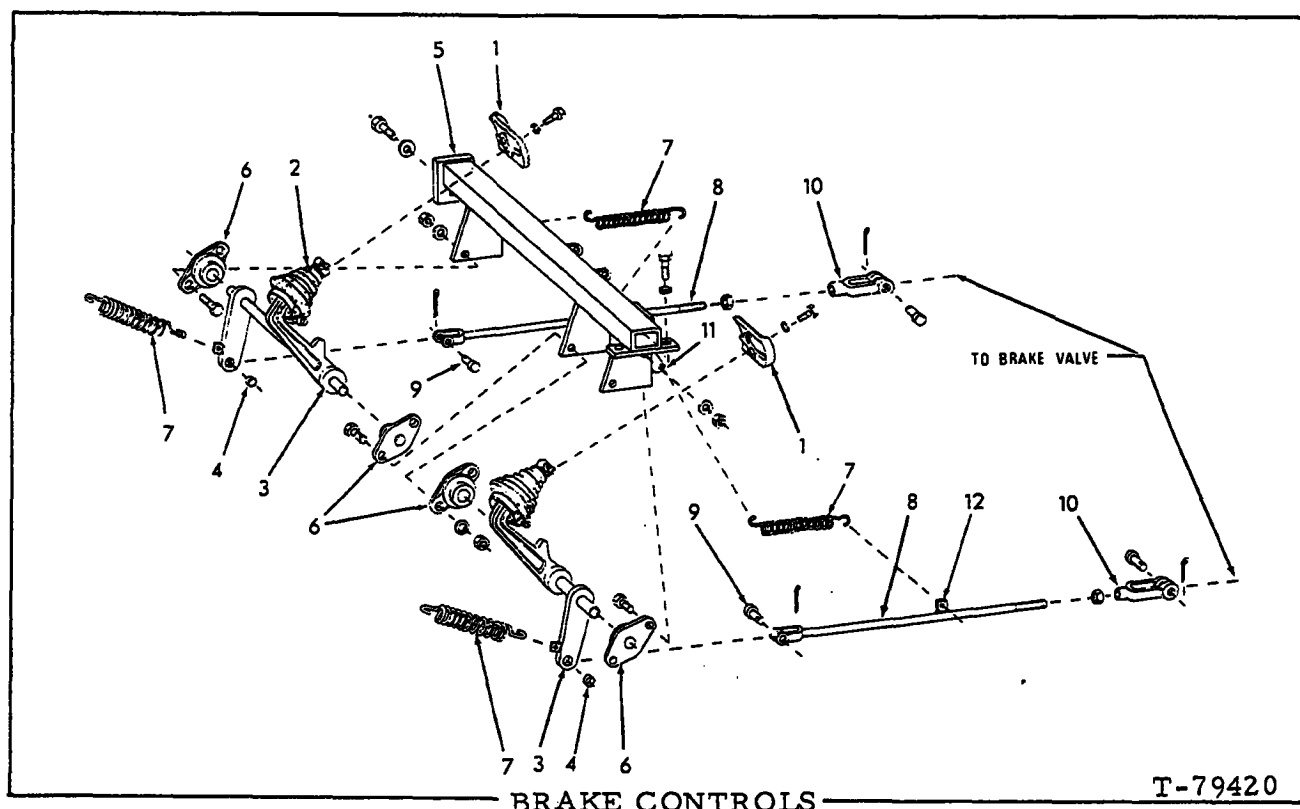


STEERING CONTROL VALVE ASSEMBLY

T-75919

USAGE: See page 162

ITEM	PART NO.	QTY.	DESCRIPTION
-	73107592	1	VALVE ASSY. (Includes items 1 thru 16)
1	-----	1	BODY (Not serviced separately)
	70919134	2	PLUG, pipe, hex-hd., 1/8"NPT
2	-----	2	PLUNGER (Not serviced separately)
3	73108259	2	SLEEVE
4	70923562	2	O-RING
5	70677643	2	SPRING
6	70677637	2	BUSHING
7	70916168	2	PIN, spring, 1/8" x 3/4"
8	73108258	2	SPRING
9	70677641	2	WASHER
10	70677642	2	SPRING
11	70677639	2	NUT
12	70677638	2	RETAINER
13	70677634	2	CAP
14	70924416	2	O-RING
15	73108260	2	O-RING
16	70695996	1	CHECK ASSY., lift (Serviced only as a unit)



ITEM	PART NO.	QTY.	DESCRIPTION
1	70690187	2	PAD
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
2	70690353	2	BOOT
	70921912	2	CLAMP, 1-1/16" to 2" diam.
	70921915	2	CLAMP, 2-13/16" to 3-3/4" diam.
3	70690310	1	LEVER ASSY., left
	70690313	1	LEVER ASSY., right
4	70052669	2	BUSHING
5	70690317	1	TUBE (Tractors prior to unit #21252)
	73109361	1	TUBE (Tractor unit #21252 thru #21482)
	73113283	1	TUBE (Tractor unit #21483 and up)
6	70920583	4	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	4	WASHER
	70680917	4	BEARING
	70922287	4	CAPSCREW, 3/8"NC x 1-3/4"
	70920996	2	CAPSCREW, 3/8"NC x 2-1/4"
	70677006	6	WASHER
	70911026	6	NUT, 3/8"NC
7	-----	2	SPRING (Tractors prior to unit #21483)(Order item 13)
	70035942	2	SPRING (Tractor unit #21482 and up)

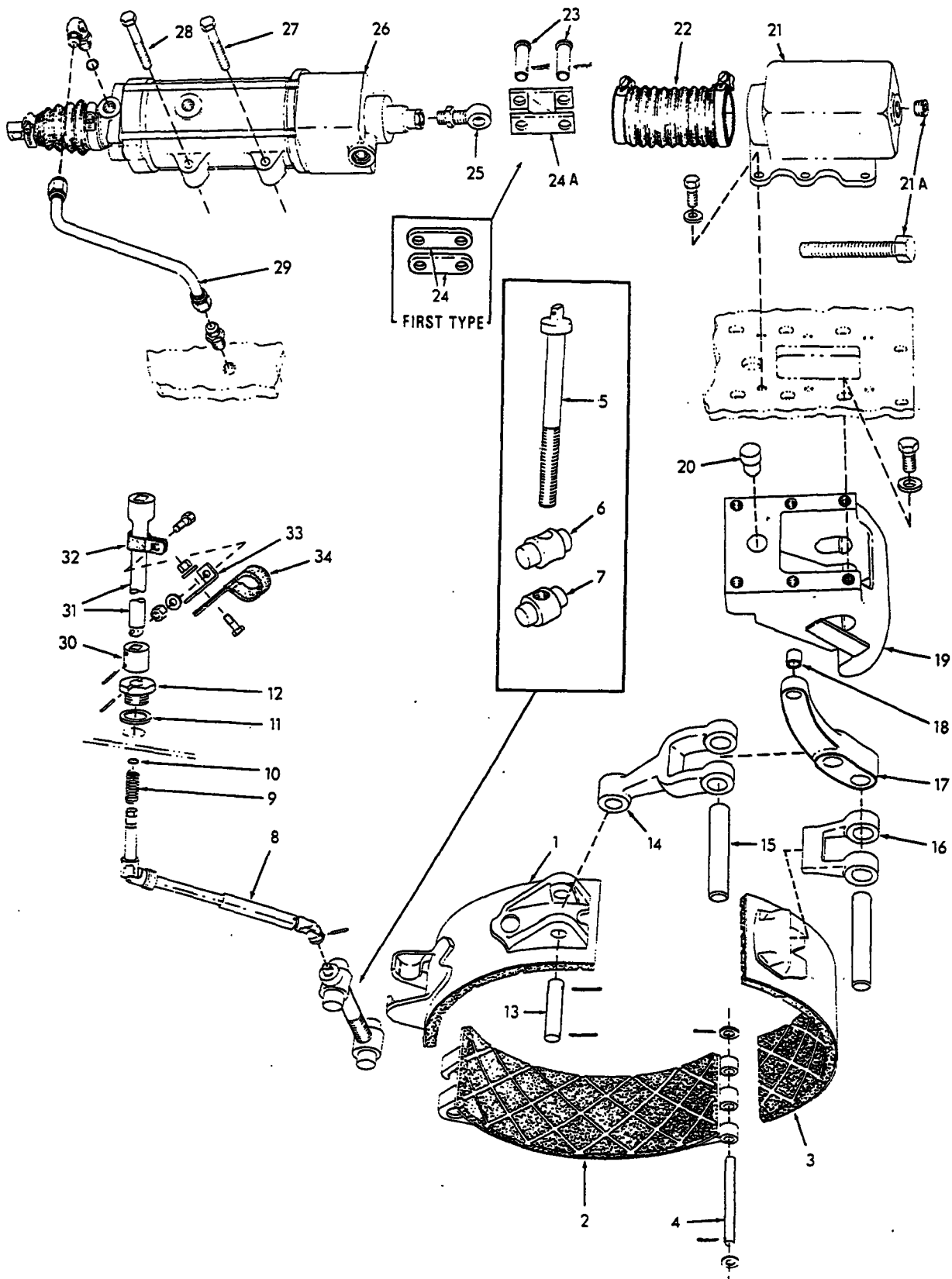
(Continued)

BRAKE CONTROLS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	70690316	2	ROD (Tractors prior to unit #21483)
	73113286	2	ROD (Tractor unit #21483 and up)
9	70052671	4	PIN
	70900806	4	PIN, cotter, 1/8" x 1"
10	70628730	2	YOKE
	70911049	2	NUT, jam, 5/8"NF
11	-----	2	STRAP
12	-----	2	CLIP
13	73113319	1	KIT, brake spring (Includes items 7, 11 and 12)

If for first replacement also order item 13

Not serviced separately order item 13



BRAKES

T-70596

BRAKES

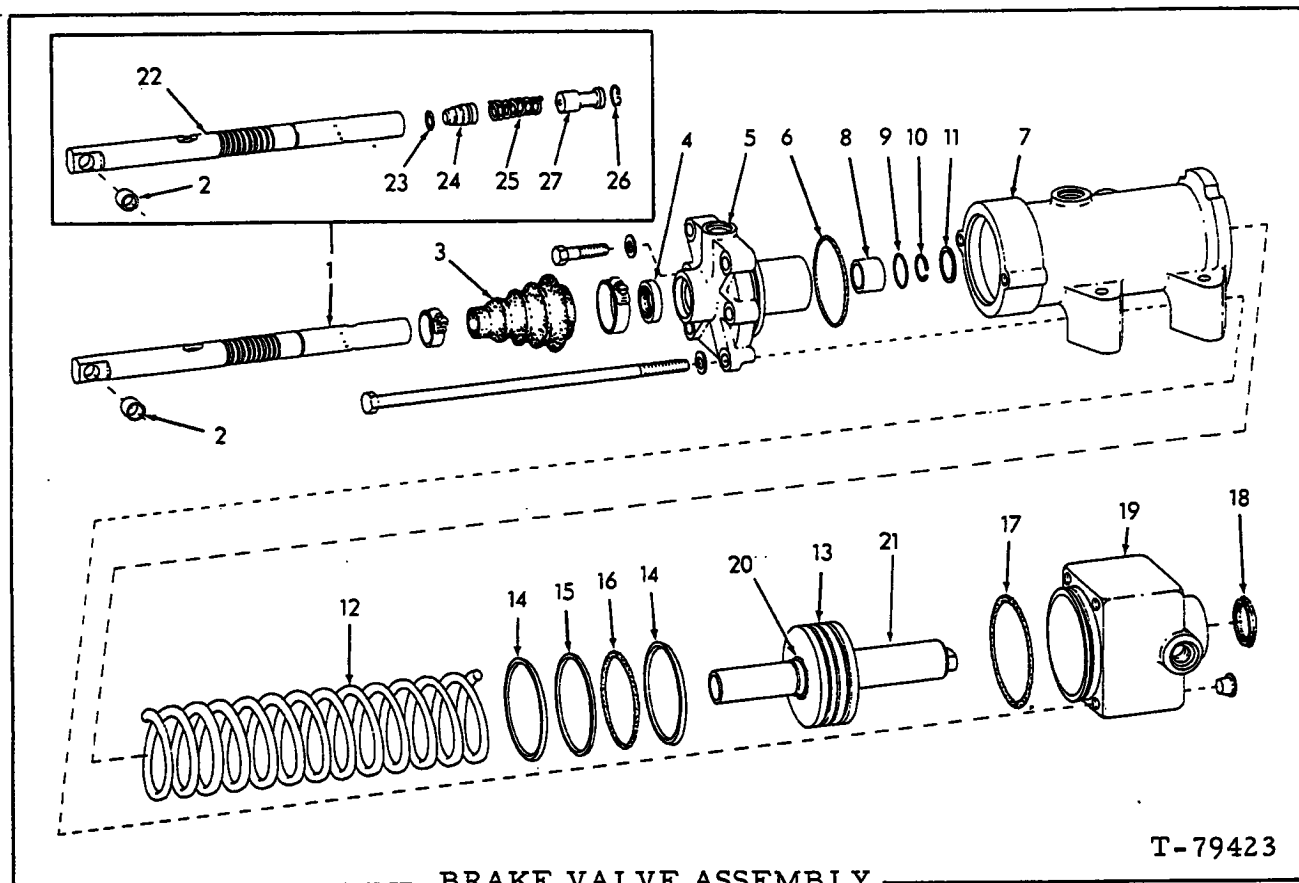
ITEM	PART NO.	QTY.	DESCRIPTION
1	73121283	2	BAND ASSY.
2	73121281	2	BAND ASSY. (Also order item 7)
3	70637997	2	BAND ASSY.
4	70623130	2	PIN
	70912900	4	WASHER
	70900806	4	PIN, cotter, 1/8" x 1"
5	73131138	2	SCREW
6	73121557	2	PIN
7	70653494	2	PIN
8	70687021	2	DRIVE ASSY. (Serviced only as a unit)
	70921330	2	PIN, spring, 7/32" x 1-1/8"
	70921452	2	PIN, spring, 7/32" x 1-1/2"
9	70672003	2	SPRING
10	70933459	2	O-RING
11	70623144	2	GASKET
12	70672002	2	SLEEVE
13	70623132	2	PIN
	70900808	4	PIN, cotter, 1/8" x 1-1/2"
14	70623133	2	YOKE
15	70623131	4	PIN
16	70623158	2	YOKE
17	70679312	2	LEVER ASSY. (Includes item 18)
18	70623164	2	BUSHING
19	70623182	2	BRACKET ASSY. (Includes item 20)
	70927529	12	CAPSCREW, 5/8"NF x 1-3/4"
	70930364	12	WASHER
20	70643740	2	PIN
21	70686754	2	COVER
	70927172	12	CAPSCREW, 1/2"NC x 1-1/8"
	70928460	12	WASHER
21A	70038454	2	PLUG (standard)
	70929032	2	CAPSCREW (1"NC x 6", full thread)(Special. Used only to release brakes. Refer to 21-C Operations and Maintenance Instruction Manual)
22	70672000	2	BOOT
	70921914	4	CLAMP, 2-5/16" to 3-1/4" diam.
23	70623139	4	PIN
	70910302	4	PIN, cotter, 5/32" x 1-1/4"
24	70687043	4	LINK (Two-piece)(Tractors prior to S/N 71A 22070)
24A	73128447	2	LINK (One-piece)(Tractor S/N 71A 22070 and up)
25	70638818	2	EYE
	70910847	2	NUT, jam, 3/4"NF
26	-----	2	VALVE ASSY. (See page 168)
27	70922510	4	CAPSCREW, 1/2"NC x 2-3/4"
28	70921539	4	CAPSCREW, 1/2"NC x 3-1/2"
29	70690731	1	TUBE ASSY., left
	73111525	1	TUBE ASSY., right (Also used on units equipped with "Kelley" Ripper)(Includes nuts and sleeves)
	70933481	2	ELBOW, adjustable, 90°, flare type, 5/8" tube, 7/8"NF (Includes washer and nut)
	70930724	2	O-RING
	70919472	2	CONNECTOR, flare type, 5/8" tube, 1/2"NPT male
			(Continued)

Each includes bonded linings. Refer to item 35

(Revised May 1982)

BRAKES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
30	70698729	1	SOCKET	Units equipped with CAB <u>Right side only</u>
	70921452	1	PIN, spring, 7/32" x 1-1/2"	
31	70698728	1	EXTENSION	
32	70926049	1	CLAMP	
33	70698727	1	ANGLE	
	70922262	1	CAPSCREW, 3/8"NC x 7/8"	
	70677006	1	WASHER	
	70911026	1	NUT, 3/8"NC	
34	70926874	1	CLAMP	
	70922262	1	CAPSCREW, 3/8"NC x 7/8"	
	70677006	1	WASHER	
	70911026	1	NUT, 3/8"NC	
35	73117505	2	LINING KIT, brake (Each includes linings and instruction sheet sufficient to service one side only)	



BRAKE VALVE ASSEMBLY

USAGE: See page 167

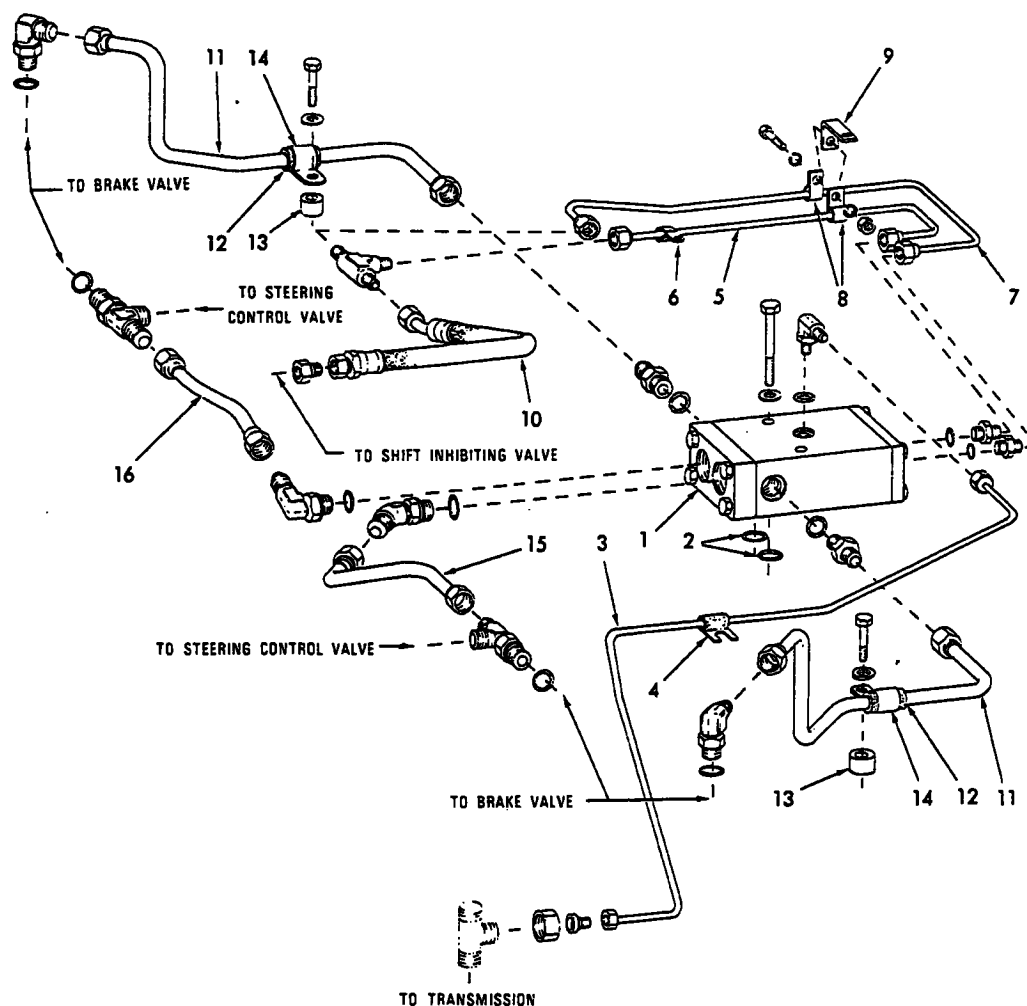
ITEM	PART NO.	QTY.	DESCRIPTION
-	73113162	1	VALVE ASSY. left
-	73113163	1	VALVE ASSY., right
-	73114793	1	VALVE ASSY., left
-	73114794	1	VALVE ASSY., right
} First type. Each includes items 1 thru 21 and item 28 } Second type. Each includes item 1 thru 28.			
NOTE: Quantities listed below are for one (1) Valve Assembly only.			
1	-----	1	ROD ASSY. (Includes item 2)(First type. Order Spool Assy. 73118865)
	73118865	1	SPOOL ASSY. (Includes items 2, 22 thru 27) (Second type)
2	70052669	1	BUSHING
3	70685872	1	BOOT
	70921912	1	CLAMP, 1-1/16" to 2" diam.
	70921914	1	CLAMP, 2-5/16" to 3-1/4" diam.
4	70690202	1	SEAL
5	70685812	1	COVER
	70924868	2	CAPSCREW, 1/2"NC x 2"
	70685875	4	CAPSCREW, 1/2"NC x 14-3/4"
	70677008	8	WASHER
6	70923818	1	O-RING
7	70685828	1	HOUSING
8	70693882	1	RING

(Continued)

BRAKE VALVE ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	70923664	1	O-RING
10	70929265	1	RING
11	70927024	1	RING
12	70694352	1	SPRING
13	70685842	1	PISTON
14	70671593	2	RING, guide
15	70659776	1	RING, seal
16	70923659	1	O-RING
17	70923822	1	O-RING
18	70671598	1	SEAL
19	70685809	1	COVER
	70917958	4	CA P(plastic)
20	70926574	1	RING
21	70685854	1	SPOOL
22	73114848	1	ROD ASSY. (Includes item. 2.)
23	73118902	1	POPPET ASSY.
24	70923379	1	O-RING
25	73115305	1	SPRING
26	70926800	1	RING, snap
27	73114740	1	PLUNGER
28	-----	1	DECAL (See page 199)

} Second type



BRAKE REGULATOR VALVE AND LINES

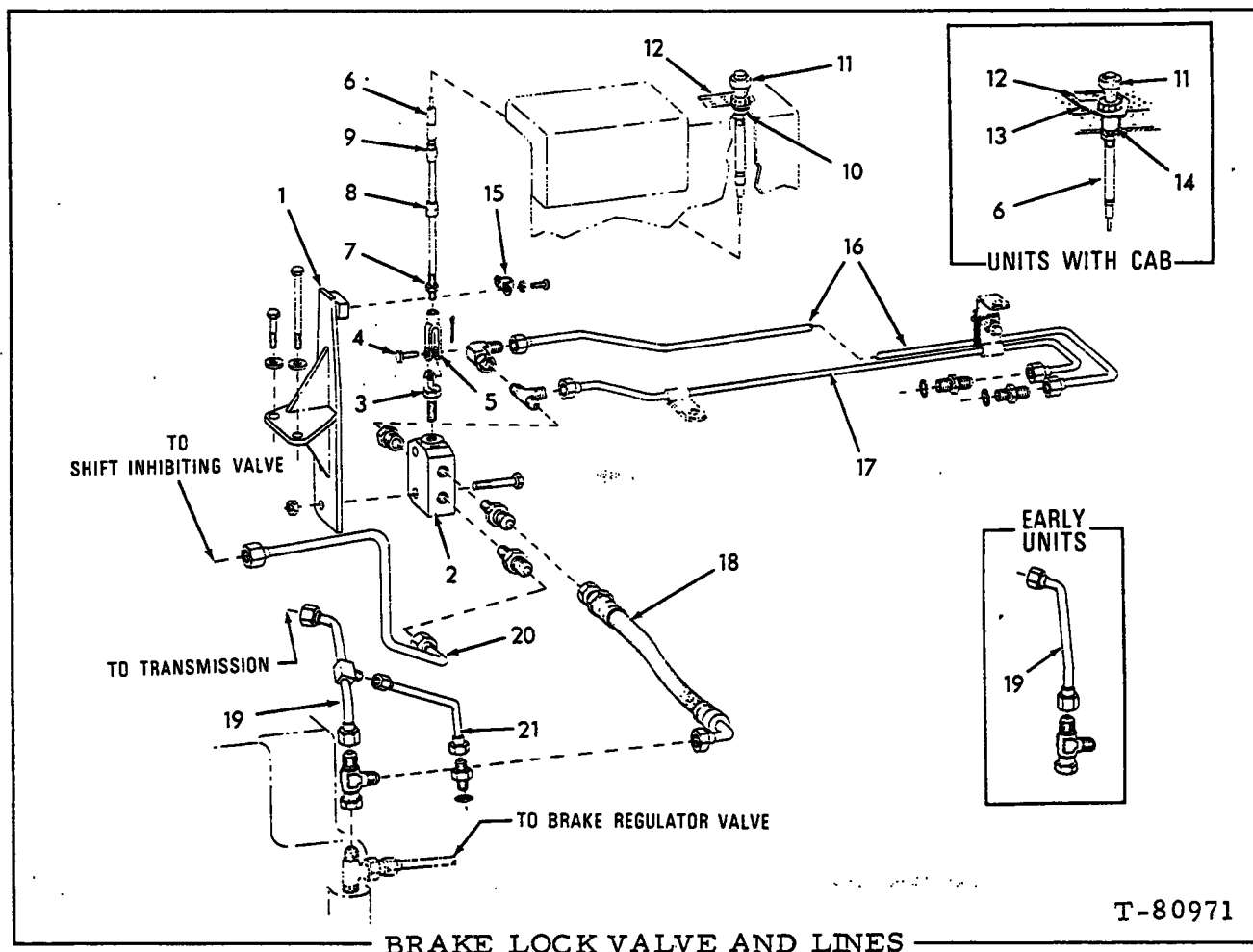
T-79422

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	VALVE ASSY. (See page 172)
	70922848	2	CAPSCREW, 3/8"NC x 3-1/4"
	70927453	2	WASHER
2	70930732	2	O-RING
3	70690730	1	TUBE ASSY. (Includes nuts and sleeves)
	70923540	1	ELBOW, adjustable, 90°, flare type, 1/4" tube, 7/16"NF male (Includes washer and nut)
	70933475	1	O-RING
	70921277	1	REDUCER, flare type, 1/2" to 1/4" tube
	70919068	1	NUT, flare type, 1/2" tube
4	70641563	1	CLIP
5	70697717	1	TUBE ASSY. (Includes nuts and sleeves) (Not used on units equipped with special Brake Lock)
	70933470	1	CONNECTOR, flare type, 3/8" tube, 9/16"NF male
	70933476	1	O-RING

(Continued)

BRAKE REGULATOR VALVE AND LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	70697788	1	CLIP
7	70697718	1	TUBE ASSY. (Includes nuts and sleeves)(Not used on units equipped with special Brake Lock)
	70933470	1	CONNECTOR, flare type, 3/8" tube, 9/16" NF male
	70933476	1	O-RING
	70919087	1	TEE, union, flare type, 3/8" tube, 9/16" straight thread
8	70929458	2	CLAMP
	70922300	1	CAPSCREW, 3/8" NC x 3/4"
	70910287	2	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8" NC
9	70657549	1	ANGLE
10	70691009	1	HOSE (See HOSEPARTS)(Not used on units equipped with special Brake Lock)
	70926768	1	REDUCER, flare type, 1/2" to 3/8" tube
11	70690685	1	TUBE ASSY., left
	70690686	1	TUBE ASSY., right
	70933479	2	CONNECTOR, flare type, 5/8" tube, 7/8" NF male
	70933481	2	ELBOW, adjustable, 90°, flare type, 5/8" tube, 7/8" NF (Includes washer and nut)
	70930724	4	O-RING
12	70097611	2	BOOT
13	70605923	2	BOSS
14	70929627	2	CLAMP
	70921565	2	CAPSCREW, 3/8" NC x 1-1/2"
	70677006	2	WASHER
15	70690736	1	TUBE ASSY. (Includes nuts and sleeves)
	70933477	1	ELBOW, adjustable, 45°, flare type, 5/8" tube, 7/8" NF male (Includes washer and nut)
	70933478	1	TEE, adjustable, flare type, 5/8" tube, 7/8" NF male (Includes washer and nut)
	70930724	2	O-RING
16	70690733	1	TUBE ASSY. (Includes nuts and sleeves)
	70933481	1	ELBOW, adjustable, 90°, flare type, 5/8" tube, 7/8" NF (Includes washer and nut)
	70933478	1	TEE, adjustable, flare type, 5/8" tube, 7/8" NF male (Includes washer and nut)
	70930724	2	O-RING



USAGE: Special equipment. Used when auxiliary equipment is operated through Power Take-Off.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73110997	1	BRACKET
	70922287	1	CAPSCREW, 3/8" NC x 1-3/4"
	70924842	1	CAPSCREW, 3/8" NC x 4-1/4"
	70677006	2	WASHER
2	70696319	1	VALVE ASSY. (Serviced only as a unit)
	70930583	2	CAPSCREW, 3/8" NC x 2-1/4"
	70900367	2	NUT, 3/8" NC
3	73111004	1	ADAPTER
4	70628738	1	PIN
	70900970	1	PIN, cotter, 1/16" x 1/2"
5	73117280	1	YOKE
6	73111005	1	CABLE ASSY. (Includes items 7 thru 11)
7	70917415	1	NUT, #10-32NF
8	70680580	1	SEAL, rod
9	70680581	1	SEAL, sleeve
10	70680582	1	NUT
	70928455	1	WASHER

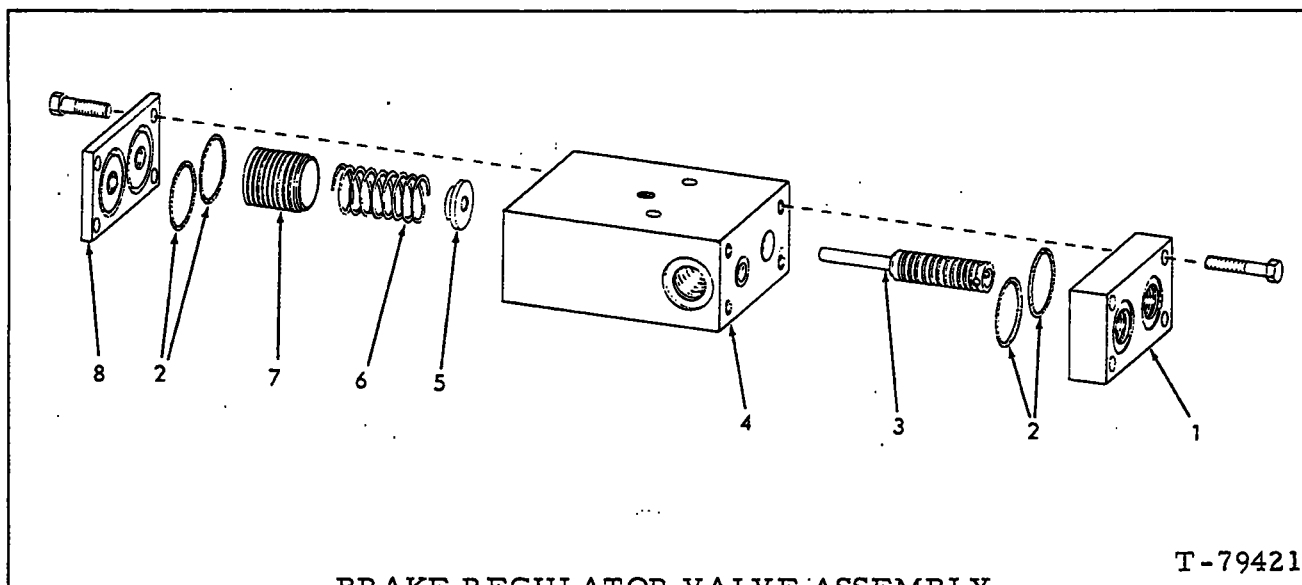
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(Revised May 1982)

BRAKE LOCK VALVE AND LINES (Continued)

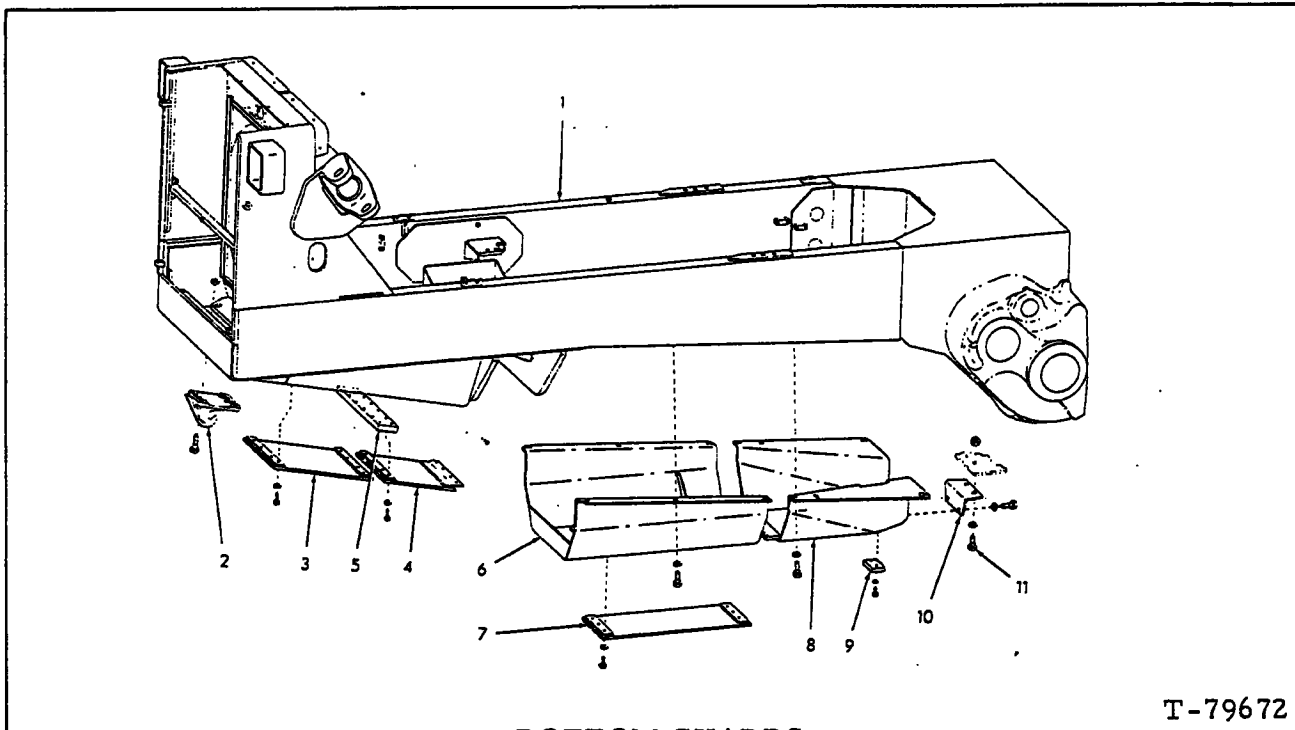
ITEM	PART NO.	QTY.	DESCRIPTION
11	70680931	1	BOOT
12	-----	1	DECAL (See page 198)
13	73111341	1	PLATE
14	70679335	1	SPACER
15	70680023	1	CLAMP
	70916080	2	SCREW, rd-hd., #10-24 NC x 1/2"
	70910284	2	LOCKWASHER, #10
16	73110998	1	TUBE
	70921013	1	ELBOW, flare type, swivel, 3/8" tube, 9/16" str.-thd (Includes nut)
17	73110991	1	TUBE
	70919483	1	TEE, flare type, 3/8" tube, 9/16" str. thd.
	70917503	1	BUSHING, pipe, reducing, 1/2" to 1/4" NPT
18	70645236	1	HOSE (See HOSE PARTS)
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2" NPT
19	73110993	1	TUBE(Tractors prior to unit #21927)
	73127645	1	TUBE(Tractor unit #21927 and up)
	70921298	1	TEE, flare type, swivel, 1/2" tube, 3/4" str. thd. (Includes nut)
20	73110992	1	TUBE
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2" NPT
21	73127646	1	TUBE(Tractors unit #21927 and up)
	70927424	1	CONNECTOR, flare type, 1/4" tube, 7/16" str.thd.
	70933745	1	O-RING

(Revised February 1980)



USAGE: See page 170

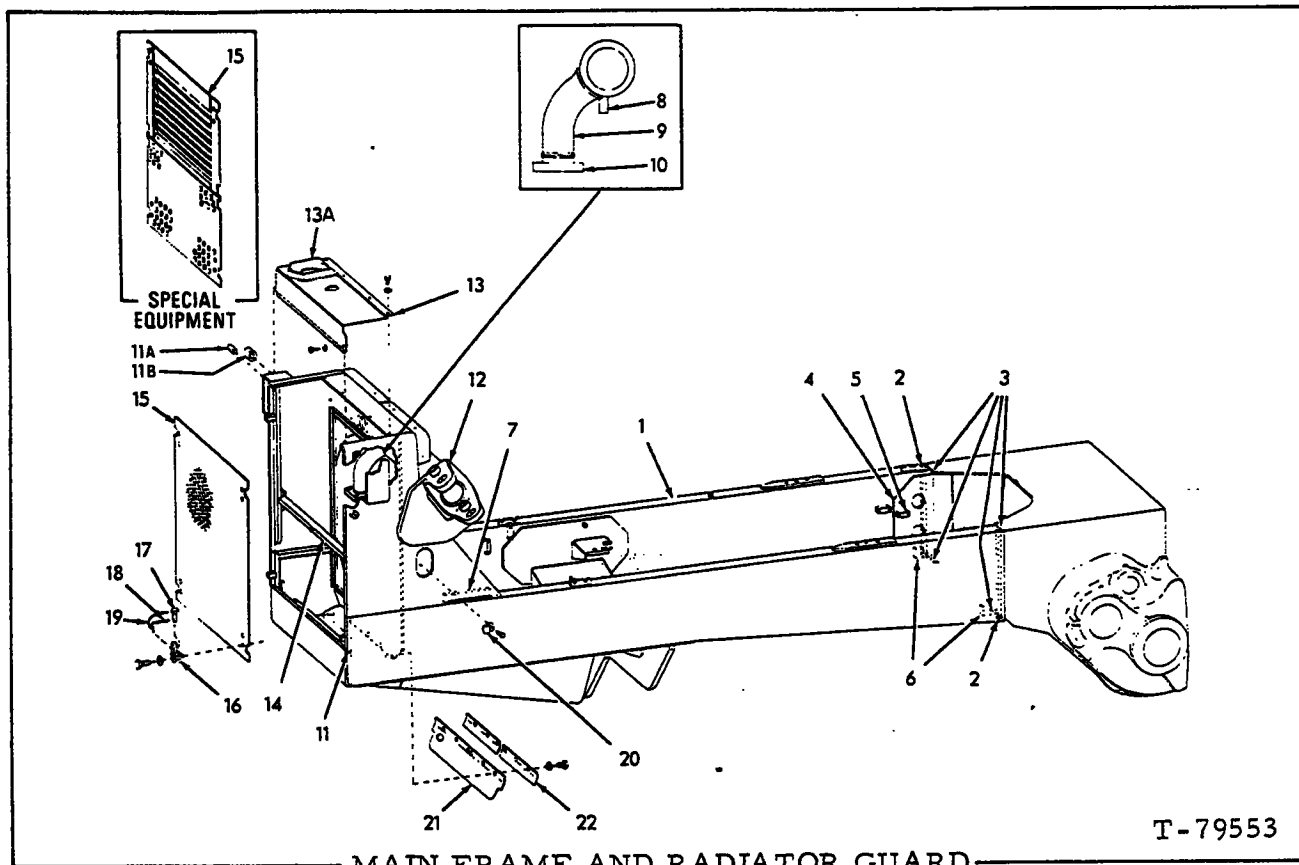
ITEM	PART NO.	QTY.	DESCRIPTION
-	70695411	1	VALVE ASSY. (Includes items 1 thru 8)
1	70695409	1	COVER
	70922287	4	CAPSCREW, 3/8"NC x 1-3/4"
2	70923576	4	O-RING
3	70695410	2	SPOOL
4	-----	1	HOUSING (Not serviced separately)
5	70697599	2	GUIDE
6	70622102	2	SPRING
7	70697532	2	VALVE
8	70695408	1	COVER
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"



T-79672

BOTTOM GUARDS

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	MAIN FRAME (See page 173A)
2	70040503	1	HOOK, front pull
	70013006	4	CAPSCREW, 7/8"NF x 3-3/4"
	70070400	4	NUT, high, 7/8"NF
3	70681504	1	PLATE
	70921403	8	CAPSCREW, 5/8"NC x 2"
	70677010	8	WASHER
4	70681507	1	PLATE
	70921403	8	CAPSCREW, 5/8"NC x 2"
	70677010	8	WASHER
5	70681503	1	PLATE
6	70687658	1	GUARD
	70925381	6	CAPSCREW, 1"NC x 2-1/2"
	70678072	6	WASHER
7	70681516	1	PLATE
	70928166	3	CAPSCREW, 5/8"NC x 1-1/2"
	70921535	5	CAPSCREW, 5/8"NC x 1-3/4"
	70928169	8	WASHER
8	70687681	1	GUARD
	70925381	6	CAPSCREW, 1"NC x 2-1/2"
	70678072	6	WASHER
9	70642633	1	COVER, oil drain
	70920582	2	CAPSCREW, 1/2"NC x 1-1/4"
	70928460	2	WASHER
10	70681526	1	ANGLE
	70921170	2	CAPSCREW, 3/4"NF x 2-1/2"
	70677012	2	WASHER
11	70923453	2	CAPSCREW, 3/4"NF x 2"
	70677012	2	WASHER
	70911045	2	NUT, 3/4"NF



ITEM PART NO. QTY. DESCRIPTION

1	70688114	1	FRAME
2	70686666	2	BAR
3	70694321	4	BLOCK
4	70686663	1	ANGLE, left
	70686664	1	ANGLE, right
5	70689854	1	BLOCK
6	70681189	2	BAR
7	70681094	2	BLOCK
8	70689172	1	BLOCK
9	70695381	1	SUPPORT
10	70689171	1	PLATE
11	70687813	2	BAR
11A	73119012	1	BLOCK
11B	73119013	1	BLOCK

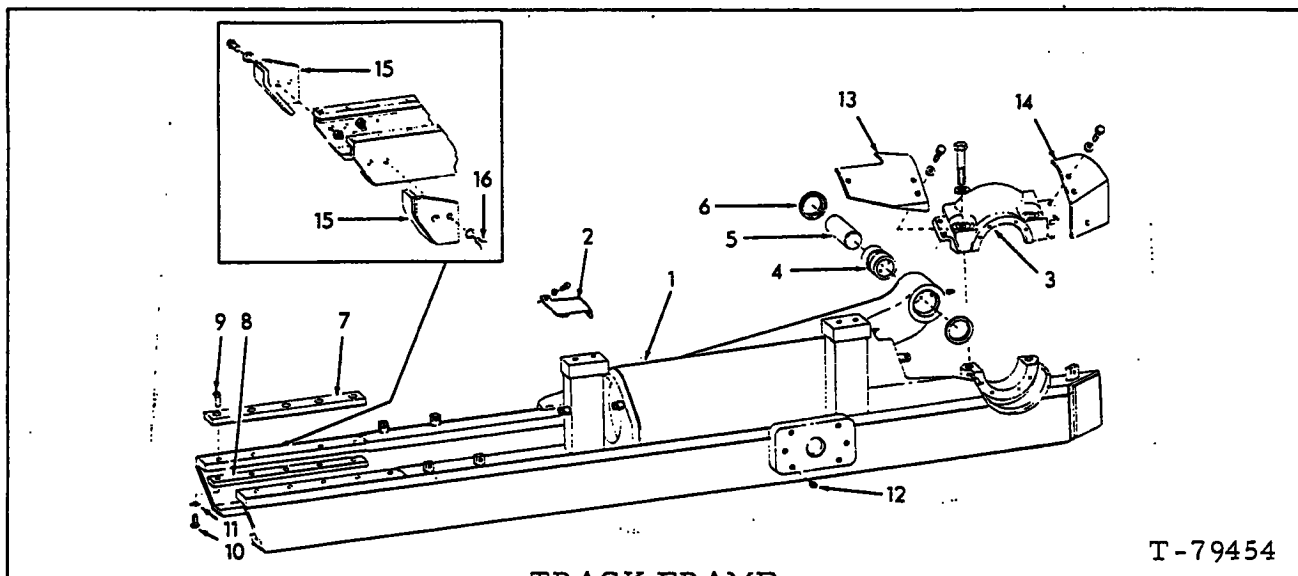
} Also order sketch print S-6510
Tractors unit #21876 and up

NOTE: All items listed above require welding to install.

12	73117321	1	GUARD, radiator (Includes bushing indented below) (If first replacement prior to unit #21207 excluding #21204 also order 4 Capscrews 70926124 and 4 Nuts 70911029)
	70084581	4	BUSHING
13	70687087	1	PLATE (Tractors prior to unit #21483)
	73111209	1	PLATE (Tractor unit #21483 and up)
	70928166	4	CAPSCREW, 5/8"NC x 1-1/4"
	70921411	2	CAPSCREW, 5/8"NC x 1-1/2"
	70677010	6	WASHER
13A	70669367	1	GUARD (Requires welding to install)

MAIN FRAME AND RADIATOR GUARD (Continued)

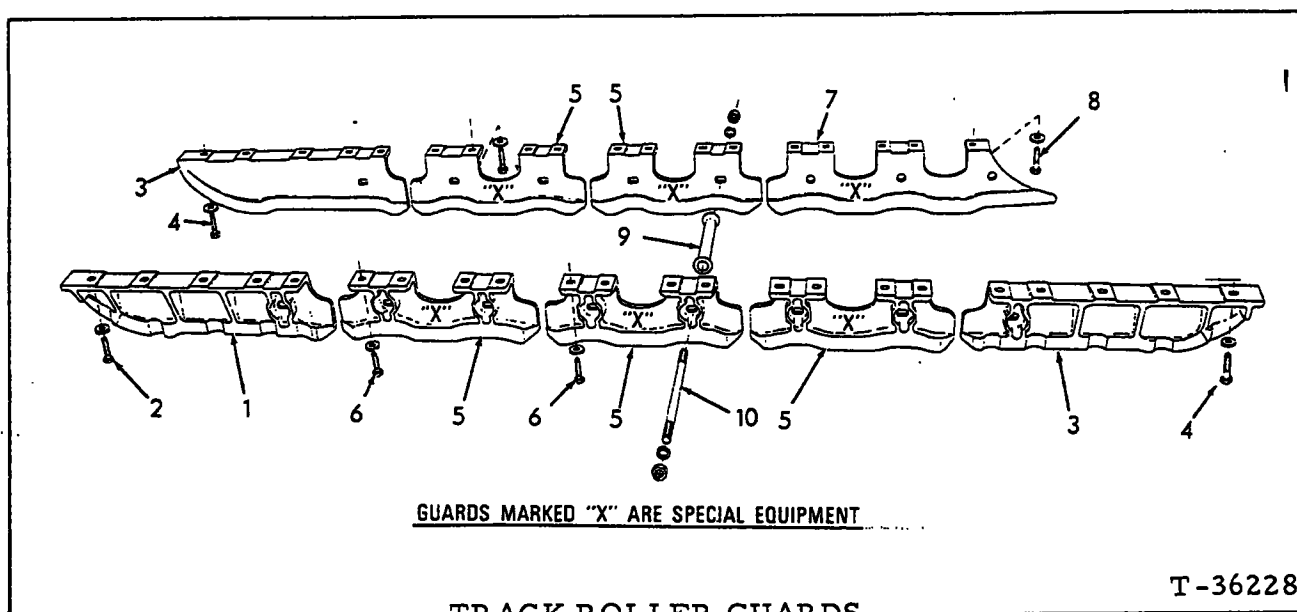
ITEM	PART NO.	QTY.	DESCRIPTION	
14	70687089	1	BAR	
	70921403	4	CAPSCREW, 5/8"NC x 2" (Tractors prior to #21207 excluding #21204)	
	70926164	4	CAPSCREW, 5/8"NC x 2-3/4" (Tractor unit #21207 and up including #21204)	
	70677010	4	WASHER	
	70911029	4	NUT, 5/8"NC (Tractor unit #21207 and up including #21204)	
15	70689619	1	PLATE (Tractors prior to unit #21207 excluding #21204)	Standard equipment
	73108746	1	PLATE (Tractor unit #21207 and up including #21204)	
	70695298	1	PLATE (Tractors prior to unit #21207 excluding #21204)(Land clearing operation)	Special equipment
	73108761	1	PLATE (Tractor unit #21207 and up including #21204)(Land cleaning operation)	
	73108272	1	PLATE (Fan blast deflection)	
16	70667159	4	BRACKET	
	70920585	8	CAPSCREW, 1/2"NC x 1-3/4"	
	70677008	8	WASHER	
17	70643124	4	PIN	
18	70920570	4	PIN	
19	70643229	4	CHAIN ASSY. (Serviced only as a unit)	
20	70672054	1	ANGLE	
	70648238	1	CAPSCREW, 1/2"NC x 3/4"	
21	70689167	1	BAFFLE	
	70927361	6	CAPSCREW, 3/8"NC x 1-1/4"	
	70677006	6	WASHER	
22	70689165	1	ANGLE, left	
	70689166	1	ANGLE, right	



— TRACK FRAME —

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70694597	1	FRAME ASSY., left	} Each includes items 2 thru 4
	70694598	1	FRAME ASSY., right	
	70914465	2	FITTING, 1/8"NPT straight (Units without counterweight)	
	70917192	2	FITTING, 1/8"NPT, 90° (Units with counterweight)	
	70662788	50	CORK (Not used when special guarding is installed)	
2	70696921	2	PLATE	
	70920574	4	CAPSCREW, 1/2"NC x 1-3/8"	
	70926192	12	WASHER	
3	70694560	2	CAP	
	70929873	4	CAPSCREW, 1-1/4"NC x 6"	
	70929276	4	WASHER	
4	70664268	2	BUSHING	
5	70664280	2	SHAFT	
6	70664281	4	SEAL	
7	70630624	4	BAR	
8	70631704	4	BAR	
9	70631690	20	DOWEL	
10	70923276	20	CAPSCREW, 3/8"NF x 1"	
11	70647080	20	WASHER	
12	70630097	12	CORK (1" diam.) (For protecting Dozer mounting holes)	
13	70693673	1	GUARD, left	} Special Equipment
	70693674	1	GUARD, right	
	70925415	2	CAPSCREW, 3/4"NC x 1-3/4"	
	70922744	1	CAPSCREW, 3/4"NC x 2-1/2"	
	70928063	3	WASHER	
14	70693677	1	GUARD, left	
	70693678	1	GUARD, right	
	70925415	2	CAPSCREW, 3/4"NC x 1-3/4"	
	70922744	1	CAPSCREW, 3/4"NC x 2-1/2"	
	70928063	3	WASHER	
15	70656795	2	GUARD, left	
	70656796	2	GUARD, right	
16	70921068	8	CAPSCREW, 3/4"NC	
	70929188	16	WASHER	
	70911030	8	NUT, 3/4"NC	

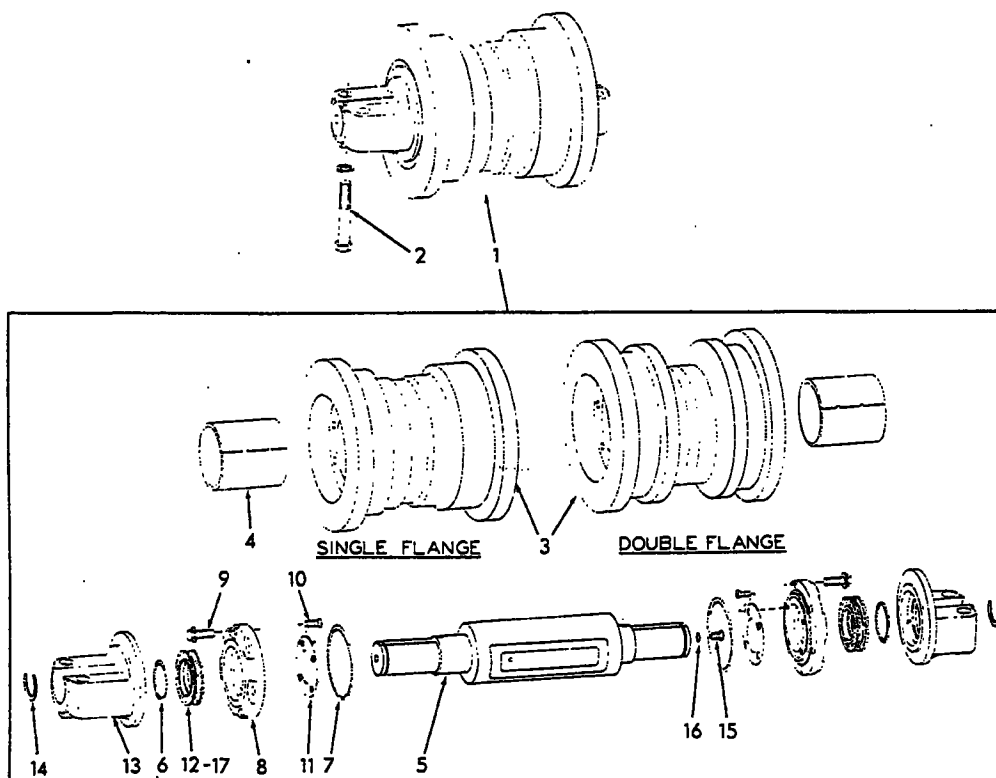
(Revised May 1982)



* Standard guarding.

** Special equipment guarding (Supplement standard guarding).

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70694563	3 -	GUARD, end section, left side
2	70923454	15 -	CAPSCREW, 7/8"NC x 2-1/4"
	70676122	15 -	WASHER
3	70694564	3 -	GUARD, end section, right side
4	70923454	15 -	CAPSCREW, 7/8"NC x 2-1/4"
	70676122	15 -	WASHER
5	70694541	- 10	GUARD
6	70923454	- 40	CAPSCREW, 7/8"NC x 2-1/4"
	70676122	- 40	WASHER
7	70694547	- 1	GUARD, rear inner section, left side
	70694548	- 1	GUARD, rear inner section, right hand
8	70923454	- 10	CAPSCREW, 7/8"NC x 2-1/4"
	70676122	- 10	WASHER
9	70632361	2 14	SPACER, guard bracing
10	70650847	2 14	ROD, guard bracing (Units with cast guards)
	70696786	2 14	ROD, guard bracing (Units with fabricated guards)
	70928452	4 28	WASHER (Units with cast guards)
	70914728	4 28	LOCKWASHER, 1" (Units with fabricated guards)
	70911047	4 28	NUT, 1"NF



T-75942

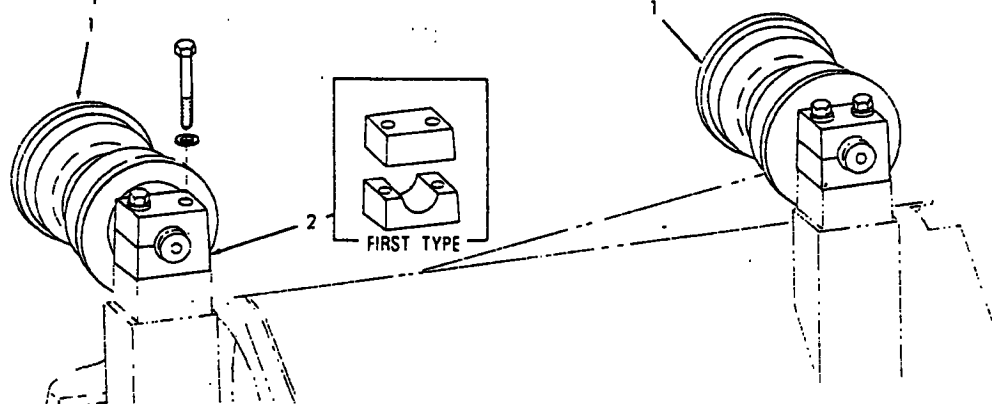
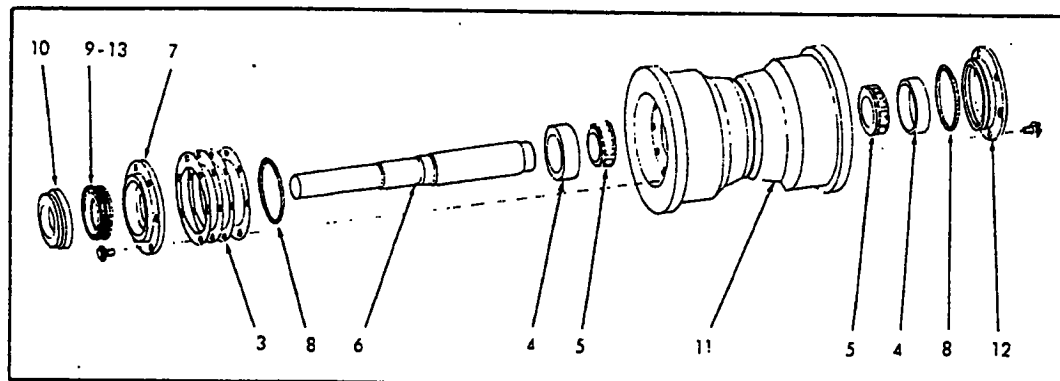
TRACK ROLLERS

ITEM	PART NO.	QTY.	DESCRIPTION
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1	70688004	6	ROLLER ASSY., single-flange	} Each includes items 3 thru 16
	70691305	8	ROLLER ASSY., double-flange	
2	70923456	56	CAPSCREW, 7/8"NC x 3-1/2"	
	70676122	56	WASHER	
3	70671143	6	ROLLER ASSY., single-flange	} Each includes item 4
	70691372	8	ROLLER ASSY., double-flange	

NOTE: Quantities listed below are for one (1) roller only

4	70671145	2	BUSHING, roller
5	70688006	1	SHAFT
6	70923581	2	O-RING, shaft
7	70923591	2	O-RING, retainer
8	70690667	2	RETAINER ASSY. (Includes items 10 and 11)
9	70670849	12	CAPSCREW, retainer attaching
10	70930307	8	SCREW, flat-hd., hex-socket, 1/4"NC x 3/8"
11	70690665	2	WASHER, thrust
12	70671177	2	SEAL ASSY. (Includes item 17)
13	70688007	2	CAP, seal retaining
14	70688012	2	RING, snap, cap retaining
15	70689291	1	PLUG, shaft (sq.-socket, 3/4"NF thread)
16	70923847	1	O-RING, plug
17	70690650	-	RING SET, seal (Includes 2 sealing washer, sufficient to service 1 SEAL ASSY.)



T-79507

TRACK CARRIER ROLLER

ITEM	PART NO.	QTY.	DESCRIPTION
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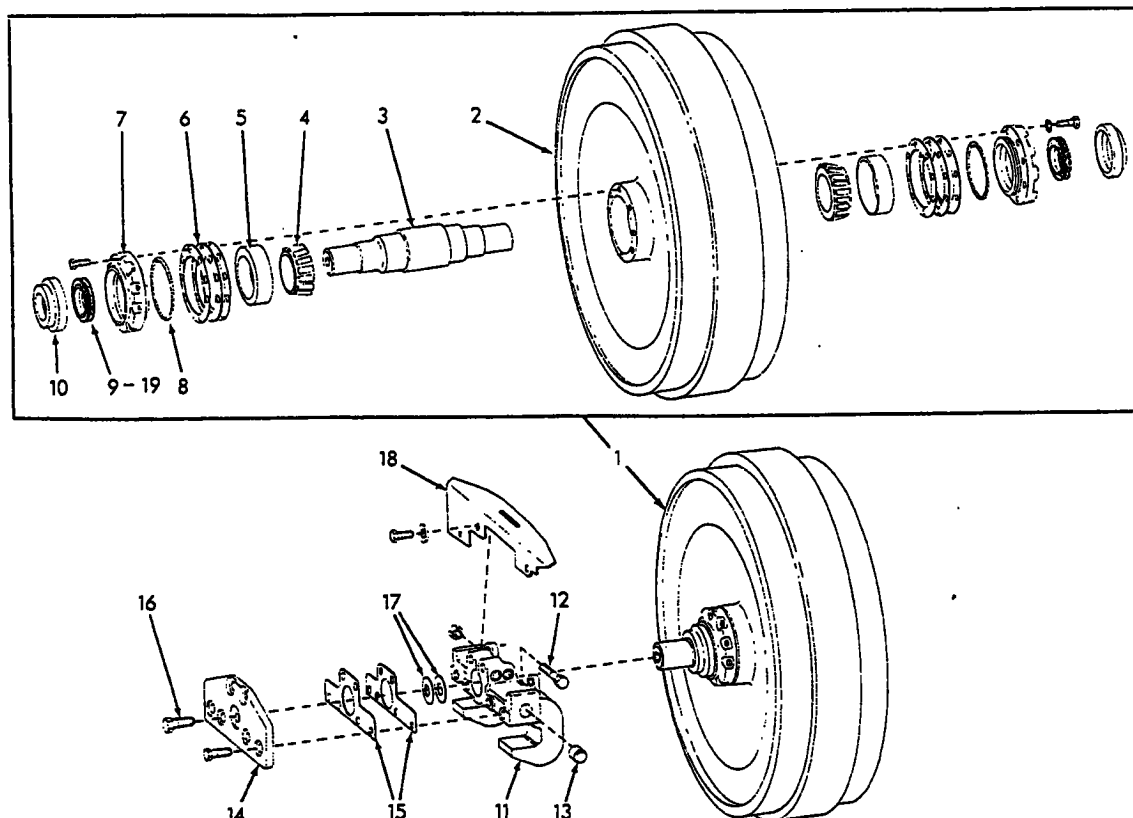
NOTE: Quantities shown are for One Roller only (4 required)

1	70682559	1	ROLLER ASSY. (Includes items 3 thru 13)
2	70682534	2	BRACKET, aluminum (Tractors prior to unit #21378)
	73107777	1	BRACKET, steel (Tractor unit #21378 and up)
	70921241	2	CAPSCREW, 1" NC x 6"
	70928452	2	WASHER
3	70677159	-	SHIM (.032" thick)
	70677164	-	SHIM (.007" thick)
	70677167	-	SHIM (.010" thick)
	70677218	-	SHIM (.003" thick)
4	70677160	2	CUP
5	70677163	2	CONE ASSY.
6	70682556	1	SHAFT
7	70682554	1	RETAINER
	70930909	6	CAPSCREW, 3/8" NC x 1-1/8" (Tractors prior to unit #21445)
	70923193	6	CAPSCREW, 3/8" NF x 1-1/4" } Tractor unit #21445 and up
	70929156	6	WASHER
8	70923818	2	O-RING
9	70670071	1	SEAL ASSY. (Includes item 13)

(Continued)

TRACK CARRIER ROLLER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	70677696	1	RETAINER
11	70682551	1	ROLLER ("NC" tapped holes)(Tractors prior to unit #21445)
	73110498	1	ROLLER ("NF" tapped holes)(Tractor unit #21445 and up)
12	70682540	1	PLATE
	70930909	6	CAPSCREW, 3/8" NC x 1-1/8" (Tractors prior to unit #21445)
	70923193	6	CAPSCREW, 3/8" NF x 1-1/4" } Tractor unit
	70929156	6	WASHER } #21445 and up
13	70690649	1	RING SET (Includes 2 sealing washers sufficient to service 1 Seal Assy.)



T-75938

TRACK IDLER

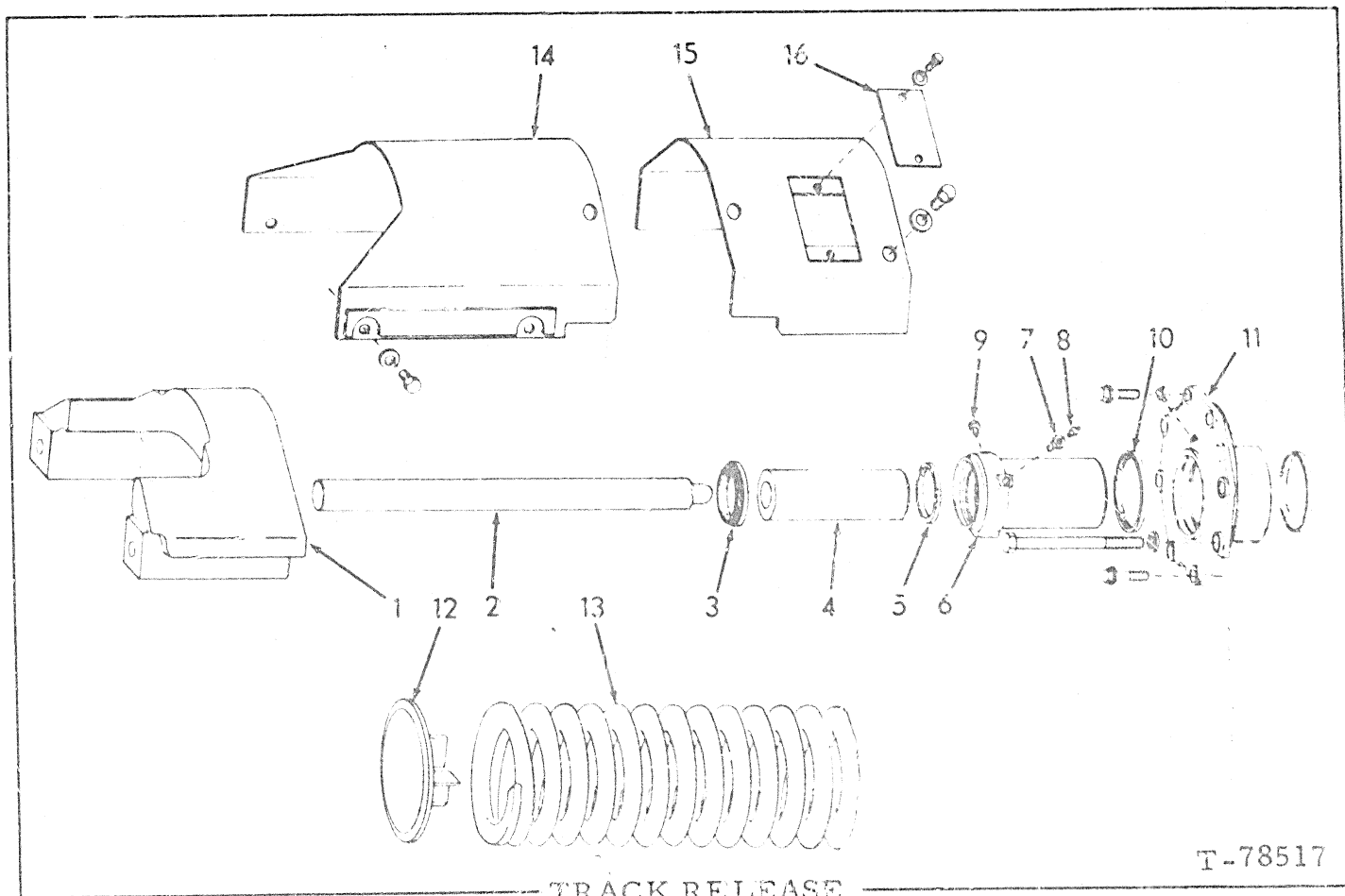
ITEM	PART NO.	QTY.	DESCRIPTION
1	70691607	2	IDLER ASSY. (Includes items 2 thru 10)
2	70691604	2	IDLER
3	70670064	2	SHAFT
4	70051989	4	CONE ASSY.
5	70051988	4	CUP
6	70671629	6	SHIM (.032" thick)
	70671628	6	SHIM (.010" thick)
	70671627	6	SHIM (.007" thick)
	70671626	8	SHIM (.003" thick)
7	70670068	4	RETAINER
	70921535	24	CAPSCREW, 5/8"NC x 1-3/4"
	70912942	24	LOCKWASHER, 5/8"
8	70923594	4	O-RING
9	70653113	4	SEAL ASSY. (Includes item 19)
10	70670066	4	RETAINER

Use as required

(Continued)

TRACK IDLER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	70682823	4	BRACKET ASSY. (Includes item 13)
12	70921241	4	CAPSCREW, 1"NC x 6"
	70923243	4	Nut, 1"NC
13	70051647	8	PIN
14	70667236	4	PLATE
	70921535	24	CAPSCREW, 5/8"NC x 1-3/4"
15	70667378	8	SHIM (.062" thick)
	70667377	8	SHIM (.031" thick)
			} Use as required
16	70926566	4	CAPSCREW (1"NF x 2")
17	70667367	4	SHIM (.03" thick)
	70667366	16	SHIM (.06" thick)
			} Use as required
18	70694113	2	GUARD, left
	70694114	2	GUARD, right
	70921535	8	CAPSCREW, 5/8"NC x 1-3/4"
	70677010	8	WASHER
19	70699061	4	RING SET (Includes 2 Sealing Washers sufficient to service 1 SEAL ASSY.)

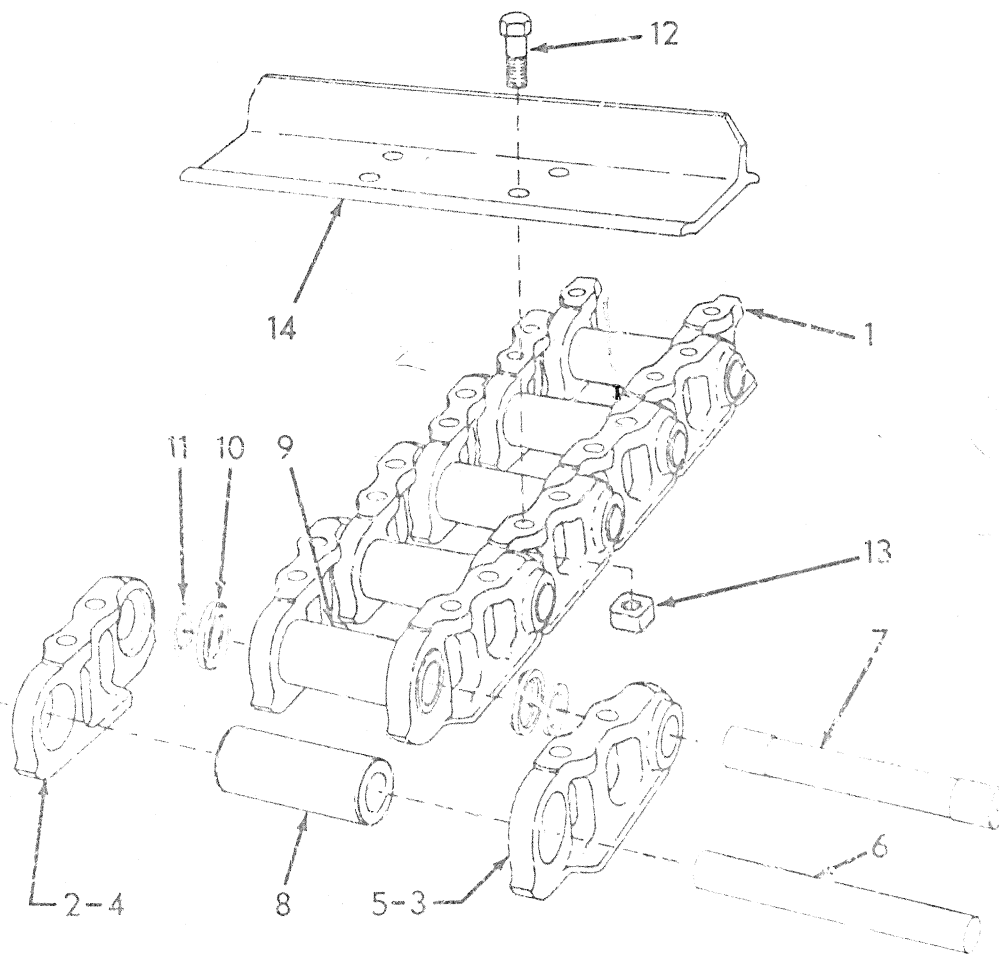


ITEM	PART NO.	QTY.	DESCRIPTION
1	70686891	2	YOKE
2	70686900	2	BAR
3	70678438	2	SEAL
4	70678436	2	PISTON
5	70686912	2	SEAL
6	70694031	2	CYLINDER
7	70676455	2	CHECK BALL ASSY., pressurizing (Includes ball)
8	70676456	2	FITTING, check ball assy.
9	70693719	2	VALVE ASSY., relief
10	70678437	4	SEAL
11	70686876	2	HOUSING
	70915276	2	FITTING, lubricating, straight, 1/8" NPT
	70694057	8	CAPSCREW, 3/4" NC x 2-1/2"
	70694098	8	CAPSCREW, 1" NC x 12"
	70928452	8	WASHER
12	70697496	2	PLATE
13	70694397	2	SPRING
14	70696976	2	GUARD, front section
	70922475	4	CAPSCREW, 3/4" NC x 1-1/2"
	70928063	4	WASHER

(Continued)

TRACK RELEASE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
15	70694569	1	GUARD, rear section, left side
	70694570	1	GUARD, rear section, right side
	70925415	4	CAPSCREW, 3/4" NC x 1-3/4"
	70928063	4	WASHER
16	70694109	2	COVER
	70920582	4	CAPSCREW, 1/2" NC x 1-1/4"
	70677008	4	WASHER



T-75136

TRACK

ITEM	PART NO.	QTY.	DESCRIPTION
-	70694319	2	TRACK ASSY. (Includes items 1 thru 14)(Standard 24" shoes. All other sizes are not available in complete assemblies with shoes)
1	70694874	2	CHAIN ASSY. (41 links)(Consists of items 2 thru 11) (Basic to all standard and special track assemblies)
2	70691619	80	LINK, left
3	70691620	80	LINK, right
4	70691621	2	LINK, master, left
5	70691622	2	LINK, master, right
6	70691056	80	PIN,
7	70691033	2	PIN, master
8	70691071	80	BUSHING
9	70691074	2	BUSHING, master
10	70691010	4	SEAL, master (Tractors prior to unit #21224)
11	70691023	4	SPACER, master (Tractors prior to unit #21224)
	73108992	4	SPACER, master (Tractor unit #21224 and up)

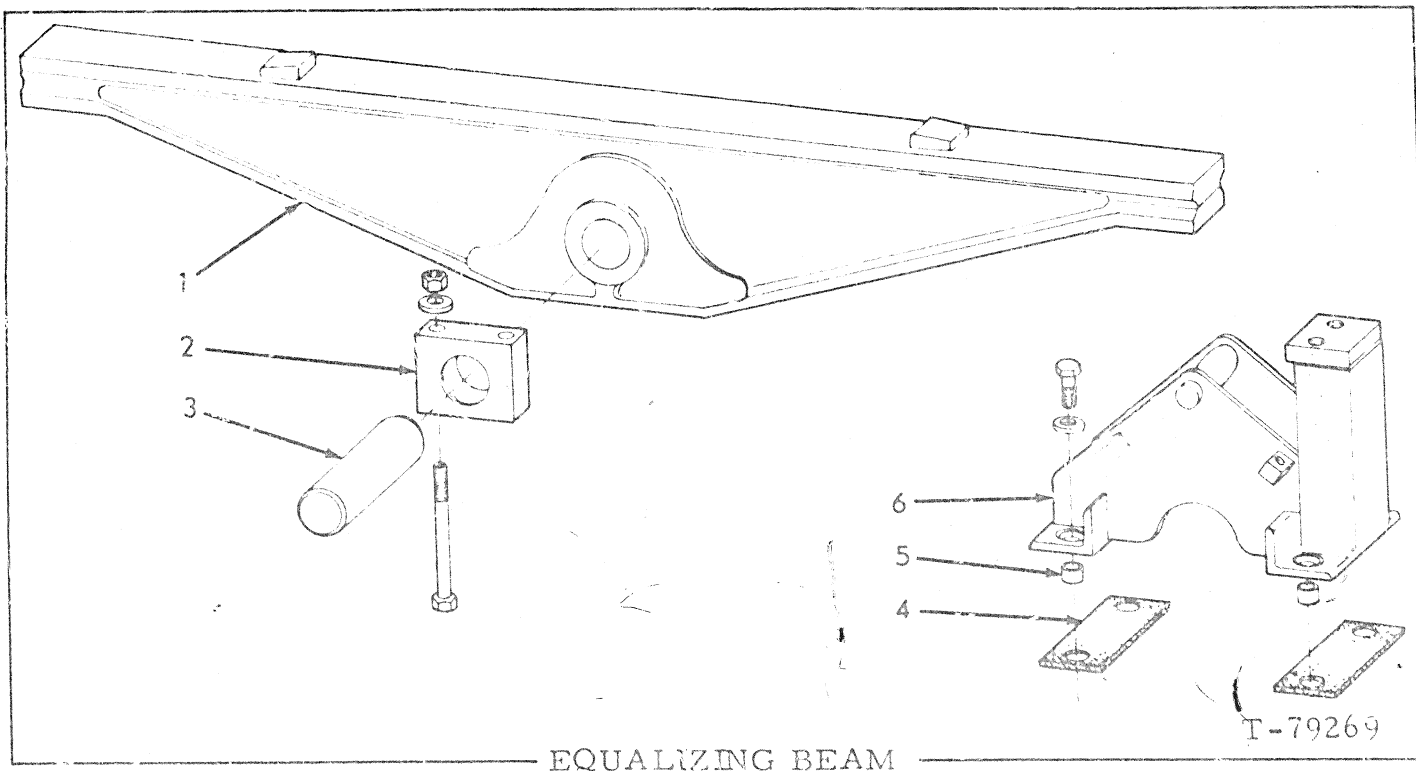
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TRACK (Continued)

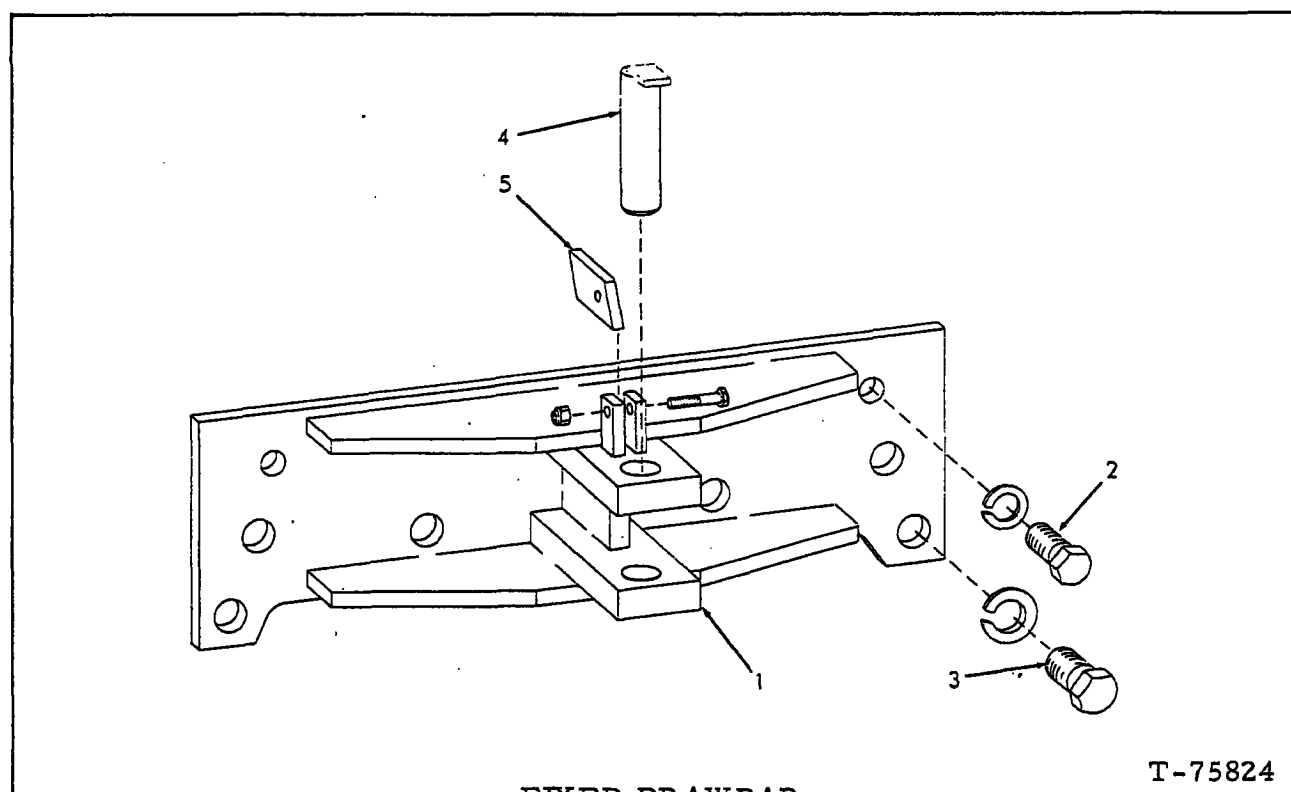
ITEM	PART NO.	QTY.	DESCRIPTION
12	70097056	328	BOLT (2-5/8" long)
	70655838	328	BOLT (2-3/4" long)
13	70663466	328	NUF

TRACK SHOES

14	70663563	82	SHOE, grouser, 22"	} Special equipment
	70671682	82	SHOE, grouser, 22" (Severe-service)	
	70663370	82	SHOE, grouser, 24"	
	70671683	82	SHOE, grouser, 24" (Severe-service)(Standard)	} Special equipment
	70663552	82	SHOE, grouser, 26"	
	70671685	82	SHOE, grouser, 26" (Severe-service)	
	73108069	82	SHOE, grouser, 28" (Special severe-service)(Not used on units equipped with severe-service C-Frame)	
15	75000528	--	UNDERCARRIAGE MEASURING KIT (Includes all tools required to determine remaining life of undercarriage components)(Not illustrated)	



ITEM	PART NO.	QTY.	DESCRIPTION
1	70687254	1	BEAM ASSY. (Includes item 3)
2	70687261	2	BLOCK (Attaches to Main Frame)
	70930865	4	CAPSCREW, 1"NC x 10-1/4"
	70678072	4	LOCKWASHER, 1"
	70912845	4	NUT, 1"NC
3	70687253	1	SHAFT
4	70694317	4	PAD
5	70694320	8	BUSHING
6	70694522	2	BRACKET
	70927015	8	CAPSCREW, 1"NC x 3"
	70928370	8	WASHER

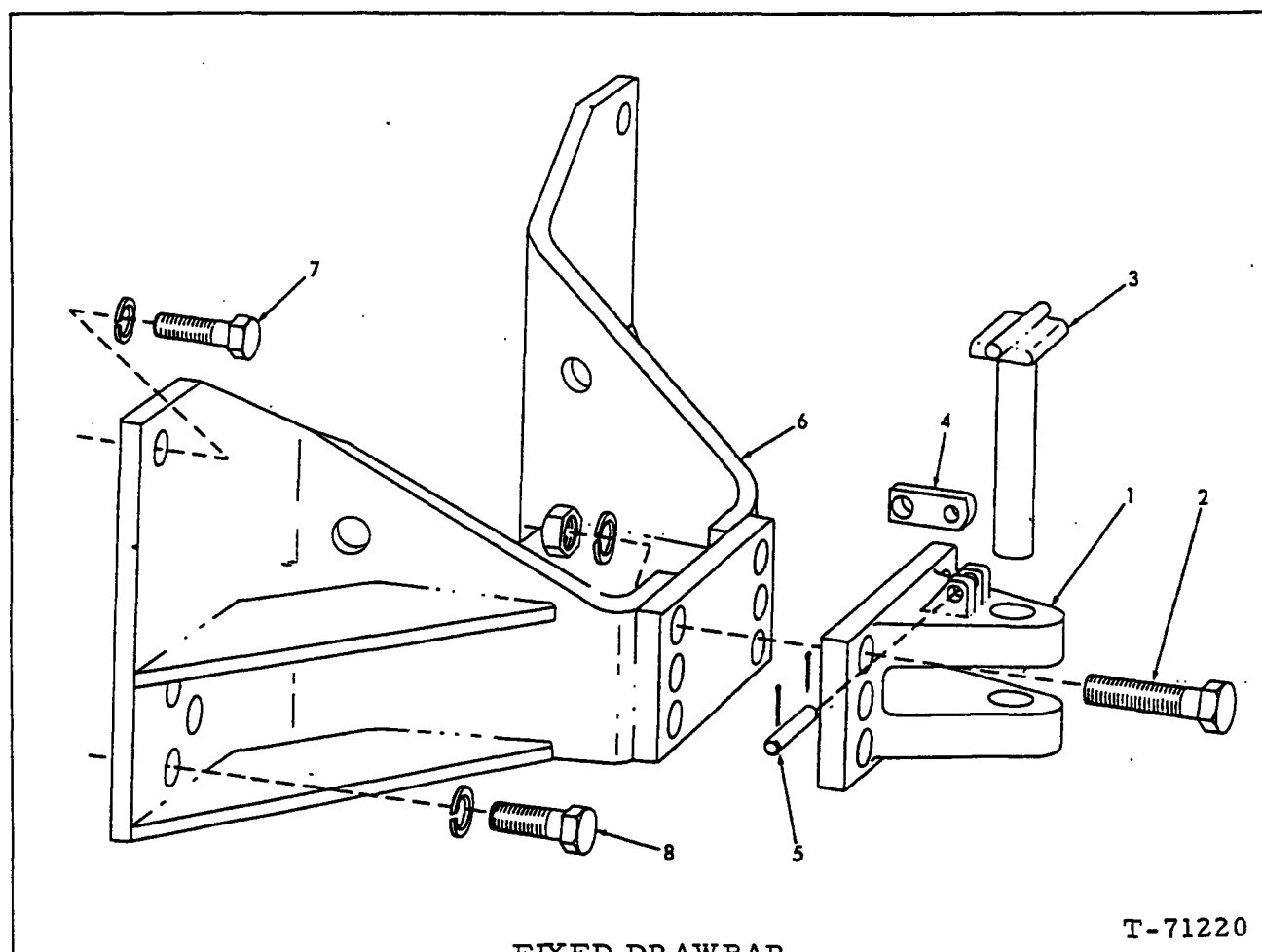


FIXED DRAWBAR

T-75824

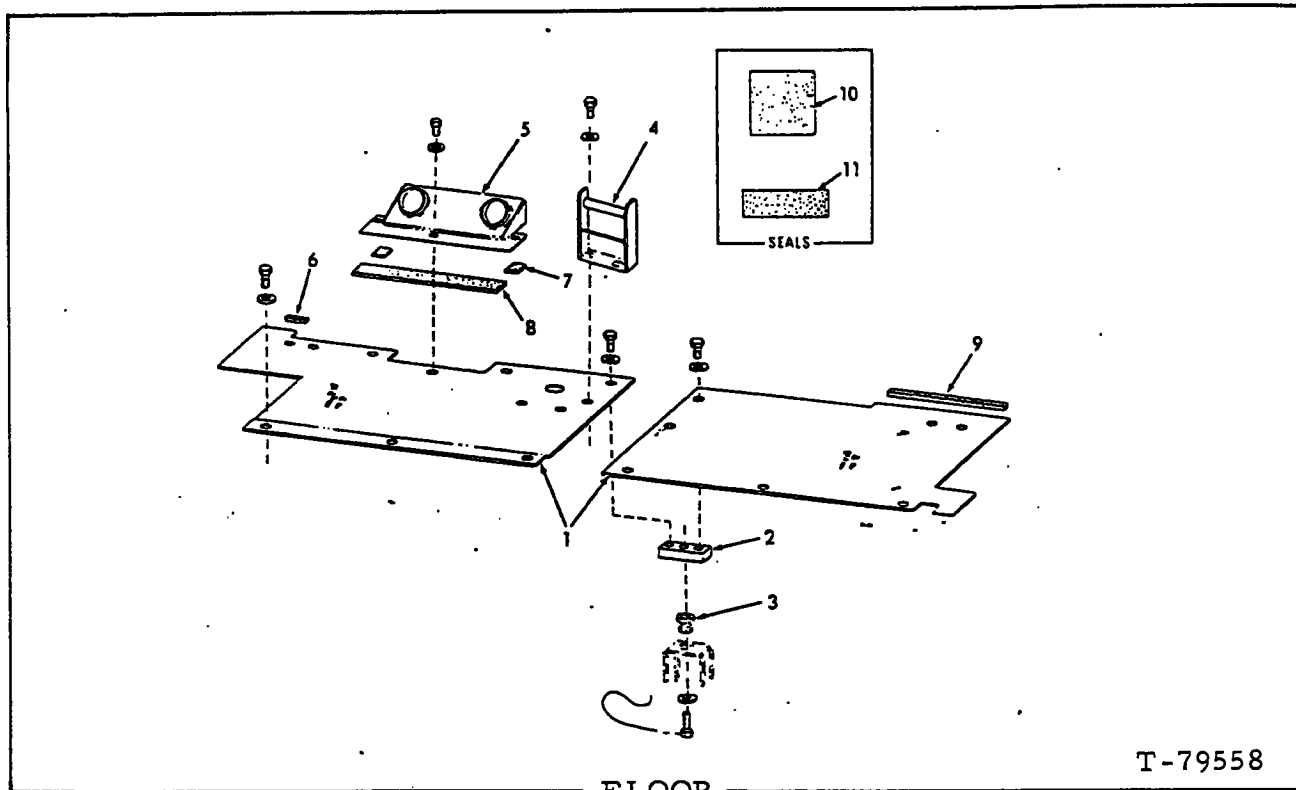
USAGE: Standard equipment. Not used on units equipped with Ripper.

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70674318	1	DRAWBAR	
2	70926856	2	CAPSCREW, 1-1/4" NF x 4"	} Not used when equipped with counterweight
	70914730	2	LOCKWASHER, 1-1/4"	
3	70926857	4	CAPSCREW, 1-1/2" NF x 4"	
	70912603	4	LOCKWASHER, 1-1/2"	
4	70674320	1	PIN	
5	70674321	1	PLATE	
	70922526	1	CAPSCREW, 1/2" NC x 2-1/2"	
	70915972	1	NUT, elastic stop, 1/2" NC	



USAGE: Special equipment. Not used on units equipped with Ripper

ITEM	PART NO.	QTY.	DESCRIPTION
1	70098837	1	BRACKET
2	70648331	6	CAPSCREW, 1-1/2"NF x 6-1/4"
	70913077	6	LOCKWASHER, 1-1/2"
	70916555	6	NUT, 1-1/2"NF
3	70633674	1	PIN
4	70629697	1	BLOCK
5	70629698	1	PIN
	70900806	2	PIN, cotter, 1/8" x 1"
6	70633675	1	BRACKET
7	70926856	4	CAPSCREW, 1-1/4"NF x 4"
	70904210	4	LOCKWASHER, 1-1/4"
8	70625383	4	CAPSCREW, 1-1/2"NF x 4"
	70913077	4	LOCKWASHER, 1-1/2"



T-79558

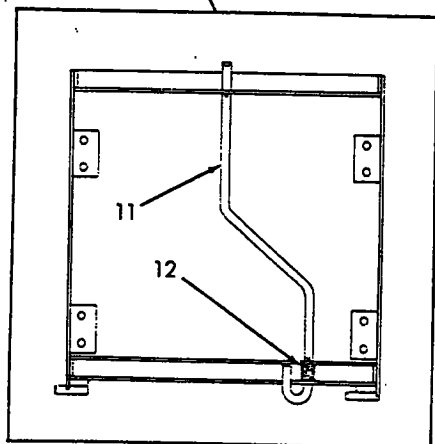
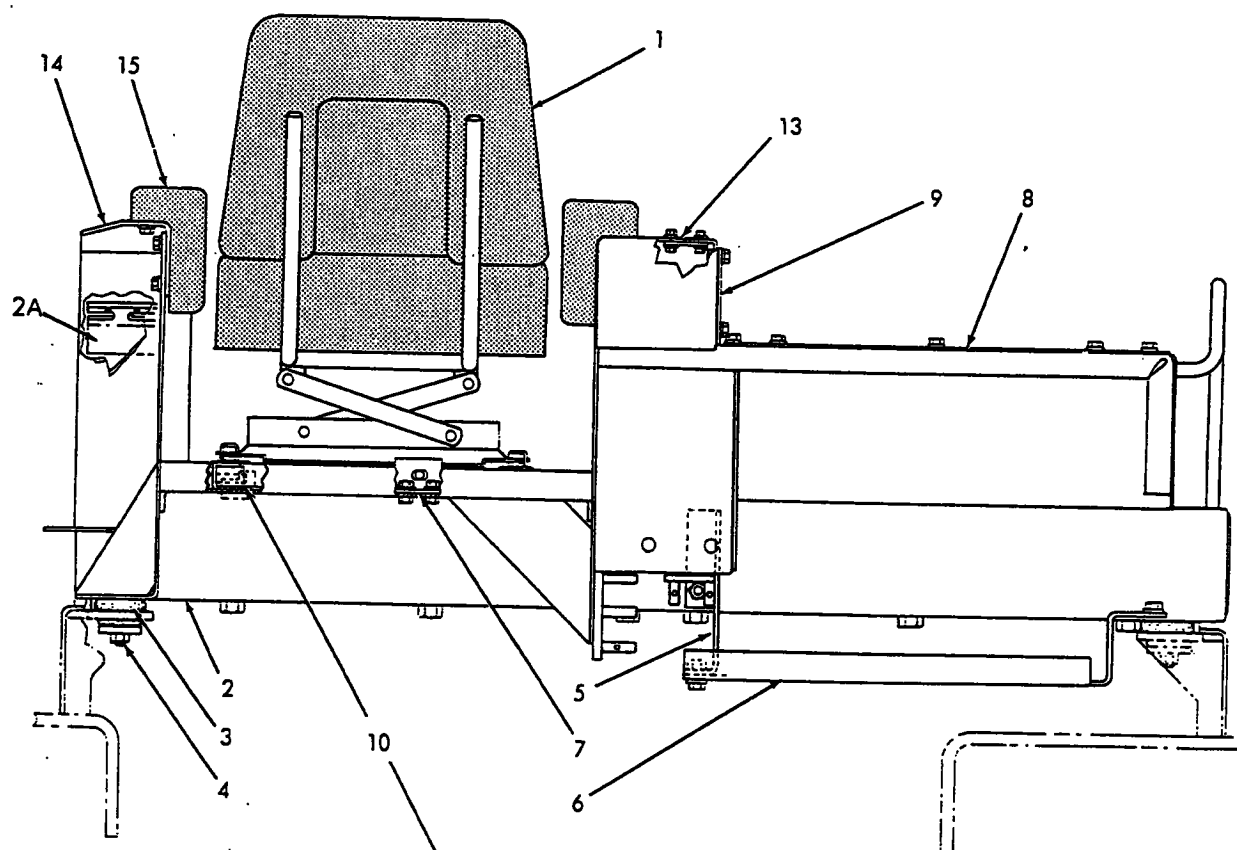
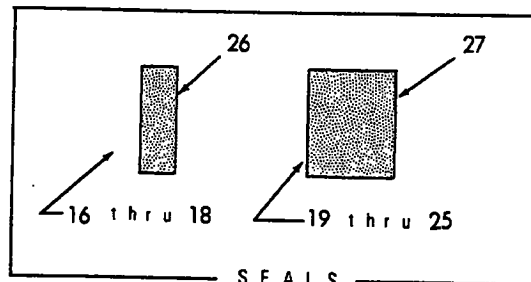
USAGE: Not used on units with CAB

ITEM PART NO. QTY. DESCRIPTION

1	70689403	1	PLATE, left
	70694401	1	PLATE, right
	70920583	6	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	6	WASHER
2	70689382	3	BLOCK
	70920582	6	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	6	WASHER
3	70689383	3	SNUBBER
	70929074	3	CAPSCREW, drilled-hd., 1/2"NC x 2"
	70092163	3	WASHER
	70037000	3	WIRE, locking, 1/16" x 16"
4	70665338	1	BRACKET
	70920582	2	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	2	WASHER
5	70689705	1	COVER (Tractors prior to unit #21527)
	73112879	1	COVER (Tractors unit #21527 and up)
	70927157	3	CAPSCREW, 3/8"NC x 1-3/8"
	70677006	3	WASHER
6	-----	1	SEAL (2.20" long)(Order item 10)
7	-----	2	SEAL (3.70" long)(Order item 11)
8	-----	1	SEAL (14.00" long) (Order item 11)
9	-----	1	SEAL (12.00" long)(Order item 10)
10	73134825	-	SEAL (25' roll)
11	73133939	-	SEAL (25' roll)

} Use as required

(Revised May 1982)



SEAT MOUNTING

T-79557

(Revised April 1980)

SEAT MOUNTING

USAGE: Tractors prior to S/N 71A21303.

* Units without CAB
** Units with CAB (Not illustrated)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	-----	1 1	SEAT ASSY. (See pages 190 and 191A)
	70921566	4 4	CAPSCREW, 5/16"NC x 1"
	70677005	4 4	WASHER
	70911025	4 4	NUT, 5/16"NC
2	70688864	1 -	SUPPORT (Includes item 2A)
2A	70680789	1 -	ANGLE
3	70689775	4 -	SNUBBER
4	70931061	4 -	CAPSCREW, drilled-end, 5/8"NC x 3-1/4" (Tractors prior to unit #21144)
	70921266	4 -	CAPSCREW, 5/8"NC x 3-1/4" (Tractor unit #21144 and up)
	70677010	4 -	WASHER
	70087463	4 -	WASHER
	70902274	4 -	NUT, slotted, 5/8"NC
	70920117	4 -	PIN, cotter, 5/32" x 1" } Tractors prior to unit #21144
	70914501	4 -	NUT, 5/8"NC (Tractor unit #21144 and up)
5	70689367	1 -	BRACKET
	70920583	2 -	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	2 -	WASHER
6	70689374	1 -	BRACKET
	70920583	4 -	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	4 -	WASHER
7	70697294	1 1	ANGLE
	70921076	2 2	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	2 2	WASHER
8	70688907	1 -	COVER
	70921076	8 -	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	8 -	WASHER
9	70689298	1 -	COVER
	70922763	6 -	CAPSCREW, 3/8"NC x 1"
	70677006	6 -	WASHER
10	70697235	1 1	FRAME ASSY. (Used with standard SEAT ASSY.) (Includes items 11 and 12)
	73118379	1 1	FRAME ASSY. (Used with optional SEAT ASSY.) (Includes items 11 and 12)
11	70696800	1 1	ROD (Used with standard SEAT ASSY.)
	73118382	1 1	ROD (Used with optional SEAT ASSY.)
	70188436	1 1	WASHER
	70924169	2 2	PIN, grooved, 1/8" x 1"
12	70650134	1 1	SPRING
13	70690621	1 1	PLATE (Not used on units equipped with Ripper)
	70927373	2 2	CAPSCREW, 5/16"NC x 7/8"
	70929292	2 2	WASHER
	70911025	2 2	NUT, 5/16"NC
14	70694385	1 -	ANGLE
	70921076	4 -	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	4 -	WASHER

(Continued)

(Revised April 1980)

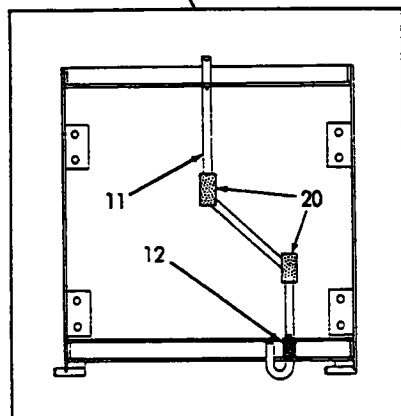
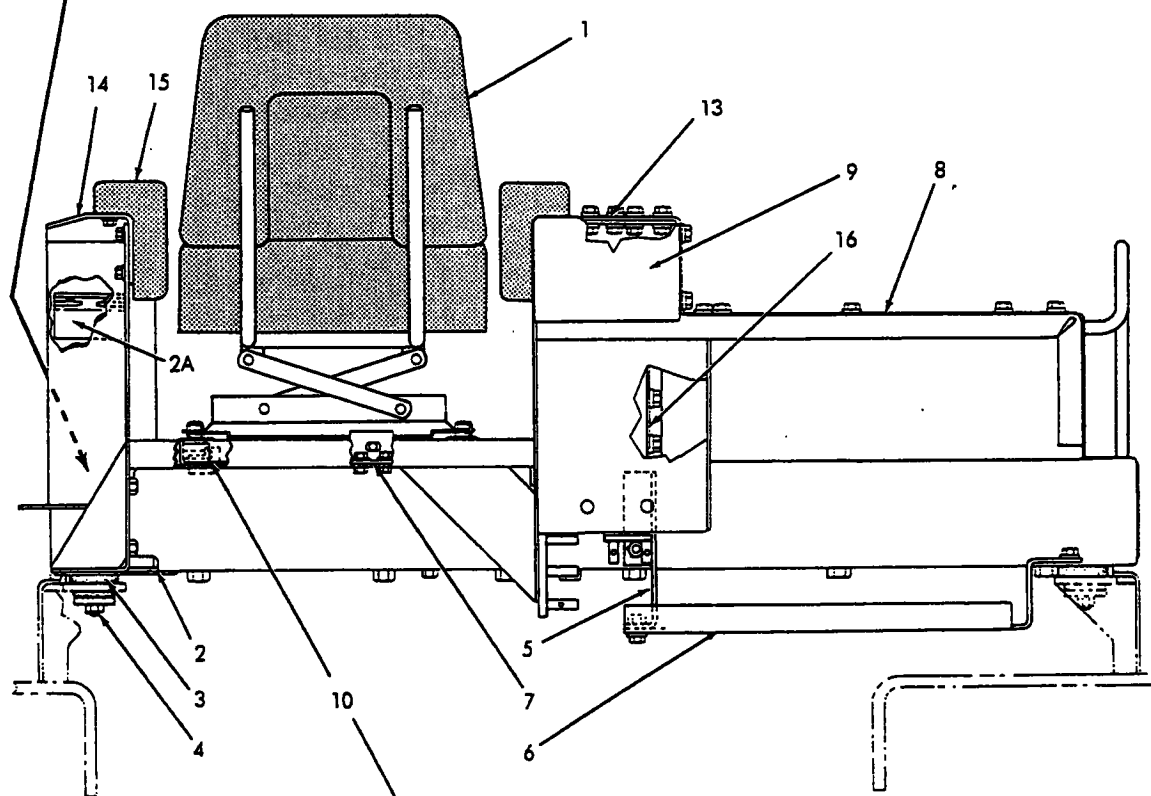
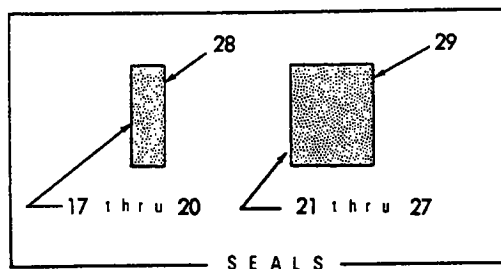
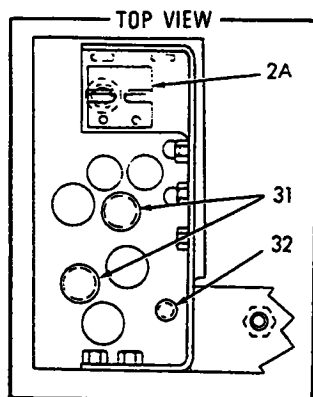
SEAT MOUNTING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
15	70632188	2 2	CUSHION
	70923276	8 8	CAPSCREW, 3/8"NF x 1"
	70677006	8 8	WASHER
16	-----	2 -	SEAL (18.00" long)
17	-----	1 -	SEAL (19.00" long)
18	-----	1 -	SEAL (15.00" long)
19	-----	1 -	SEAL (11.00" long)
20	-----	1 -	SEAL (27.25" long)
21	-----	1 -	SEAL (6.38" long)
22	-----	1 -	SEAL (34.62" long)
23	-----	1 -	SEAL (9.50" long)
24	-----	1 -	SEAL (3.00" long)
25	-----	1 -	SEAL (5.38" long)
26	70697960	1 -	SEAL (165" long)
27	73134825	1 -	SEAL (25" roll)
28	70680080	1 1	BELT, safety (Special equipment prior to January 1977; standard thereafter)(Not illustrated)

Order item 26

Order item 27

Use as required



SEAT MOUNTING

T-79557

189C

(Revised April 1980)

SEAT MOUNTING

USAGE: Tractors serial No. 71A21303 and up.

* Units without CAB

** Units with CAB (Not illustrated)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	-----	1 1	SEAT ASSY. (See pages 190, 191A and 191B)
	70931283	4 4	BOLT, 5/16"NC x 1" (Early units)
	70921566	4 4	CAPSCREW, 5/16"NC x 1" (Late units)
	70677005	4 4	WASHER
	70911025	4 4	NUT, 5/16"NC
2	70697569	1 -	SUPPORT (Tractors prior to unit #21617) Each includes
	73113158	1 -	SUPPORT (Tractors unit #21617 and up) item 2A
	70680789	1 -	ANGLE
3	70689775	4 -	SNUBBER
4	70921266	4 -	CAPSCREW, 5/8"NC x 3-1/4"
	70677010	4 -	WASHER
	70087463	4 -	WASHER
	70914501	4 -	NUT, 5/8"NC
5	70689367	1 -	BRACKET
	70920583	2 -	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	2 -	WASHER
6	70689374	1 -	BRACKET
	70920583	4 -	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	4 -	WASHER
7	70697294	1 1	ANGLE
	70921076	2 2	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	2 2	WASHER
8	73107689	1 -	COVER
	70921076	8 -	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	8 -	WASHER
9	73107691	1 -	COVER
	70921076	4 -	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	4 -	WASHER
10	70697235	1 1	FRAME ASSY. (Used with standard SEAT ASSY.)
			(Includes items 11 and 12)
	73118379	1 1	FRAME ASSY. (Used with optional SEAT ASSY.)
			(Includes items 11 and 12)
11	70696800	1 1	ROD (Used with standard SEAT ASSY.)
	73118382	1 1	ROD (Used with optional SEAT ASSY.)
	70188436	1 1	WASHER
	70924169	2 2	PIN, grooved, 1/8" x 1"
12	70650134	1 1	SPRING
13	70690621	2 2	PLATE (Not used on units equipped with Ripper)
	70927373	4 4	CAPSCREW, 5/16"NC x 7/8"
	70929292	4 4	WASHER
	70900366	4 4	NUT, 5/16"NC
14	70694385	1 -	ANGLE (Tractor prior to unit #21462)
	73110489	1 -	ANGLE (Tractor unit #21462 and up)
	70921076	4 -	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	4 -	WASHER
15	70632188	2 2	CUSHION
	70923276	8 8	CAPSCREW, 3/8"NF x 1"
	70677006	8 8	WASHER

(Continued)

(Revised April 1980)

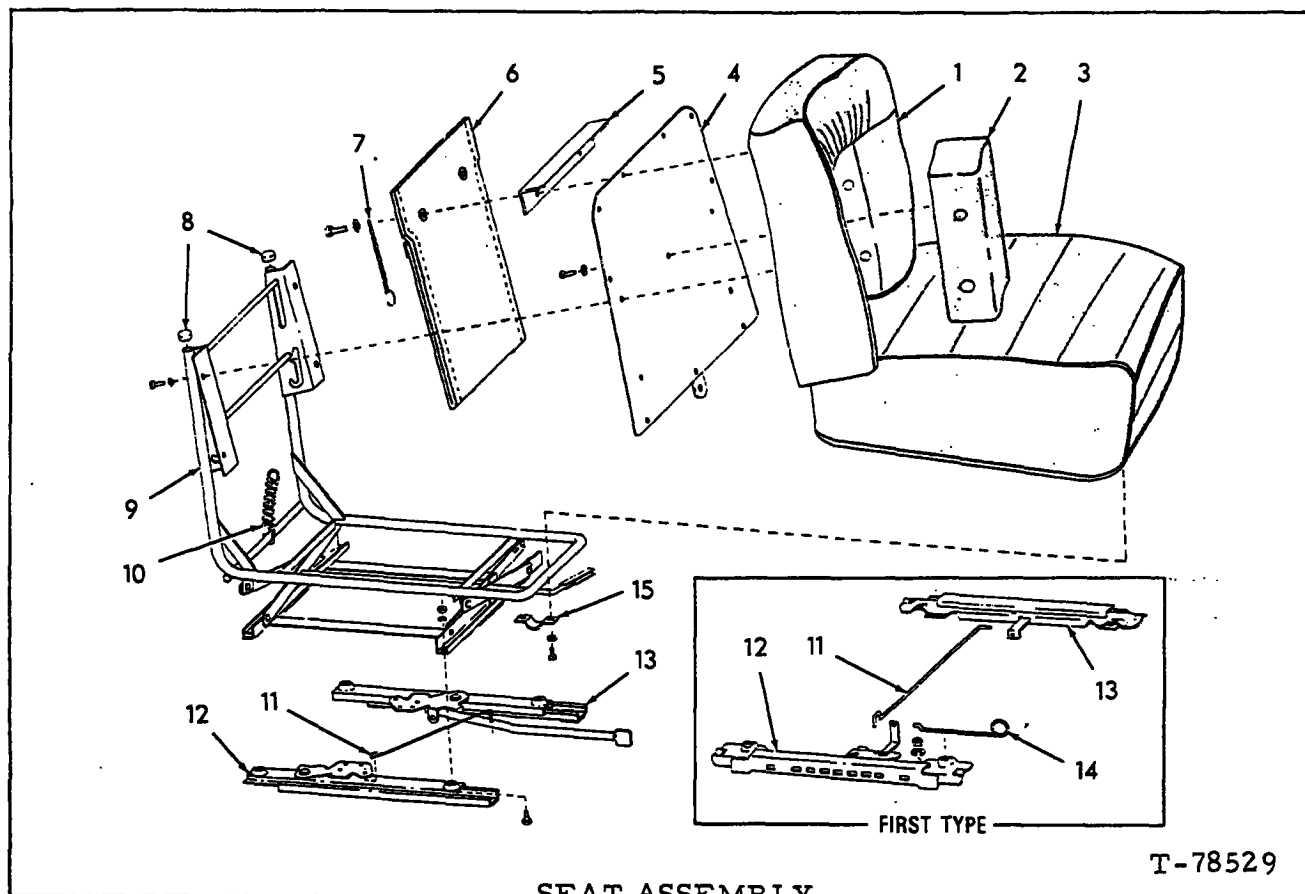
SEAT MOUNTING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
16	73107712	1 -	COVER
	70921076	4 -	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	4 -	WASHER
17	-----	2 -	SEAL (18.00" long)
18	-----	1 -	SEAL (19.00" long)
19	-----	1 -	SEAL (15.00" long)
20	-----	2 -	SEAL (2.00" long)
21	-----	1 -	SEAL (11.00" long)
22	-----	1 -	SEAL (27.25" long)
23	-----	1 -	SEAL (6.38" long)
24	-----	1 -	SEAL (34.62" long)
25	-----	1 -	SEAL (9.50" long)
26	-----	1 -	SEAL (3.00" long)
27	-----	1 -	SEAL (5.38" long)
28	70697960	1 -	SEAL (165" long)
29	73134825	1 -	SEAL (25' roll)
30	70680080	1 1	BELT, safety (Special equipment)(Not illustrated) (Used on units prior to approx. September 1979. See page 191B for later units)
31	70920294	2 -	PLUG, 1-1/2" diam.
32	70924619	1 -	PLUG, 7/8" diam.

Refer to item 28

Refer to item 29

Use as required



SEAT ASSEMBLY

USAGE: Standard. Used prior to approx. Sept. 1979; see page 191B for later design. See pages 189 and 189D for Seat Mounting. Also see page 191A for optional design.

* Tractors prior to S/N 71A21604 excluding exceptions listed below

** Tractors S/N 71A21604 and up including exceptions listed below

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
-	73108384	1 -	SEAT ASSY. (Includes items 1 thru 15)
-	73113527	- 1	SEAT ASSY. (Includes items 1 thru 13 and 15)
1	70694306	1 1	CUSHION
	70916532	6 -	SCREW, machine, rd.-hd., 1/4"NC x 3/4"
	70921615	- 6	SCREW, button-hd., hex-skt., 1/4"NC x 3/4"
	70914105	8 8	LOCKWASHER, ext.-tooth, 1/4"
2	70694303	1 1	CUSHION
	70916532	2 -	SCREW, machine, rd.-hd., 1/4"NC x 3/4"
	70921615	- 2	SCREW, button-hd., hex-skt., 1/4"NC x 3/4"
	70914105	2 2	LOCKWASHER, ext.-tooth, 1/4"
3	70694307	1 1	CUSHION
4	73108830	1 1	PLATE
	70916532	4 -	SCREW, machine, rd.-hd., 1/4"NC x 3/4"
	70921615	- 4	SCREW, button-hd., hex-skt., 1/4"NC x 3/4"
	70914105	4 4	LOCKWASHER, ext.-tooth, 1/4"

(Continued)

(Revised February 1980)

SEAT ASSEMBLY (Continued)

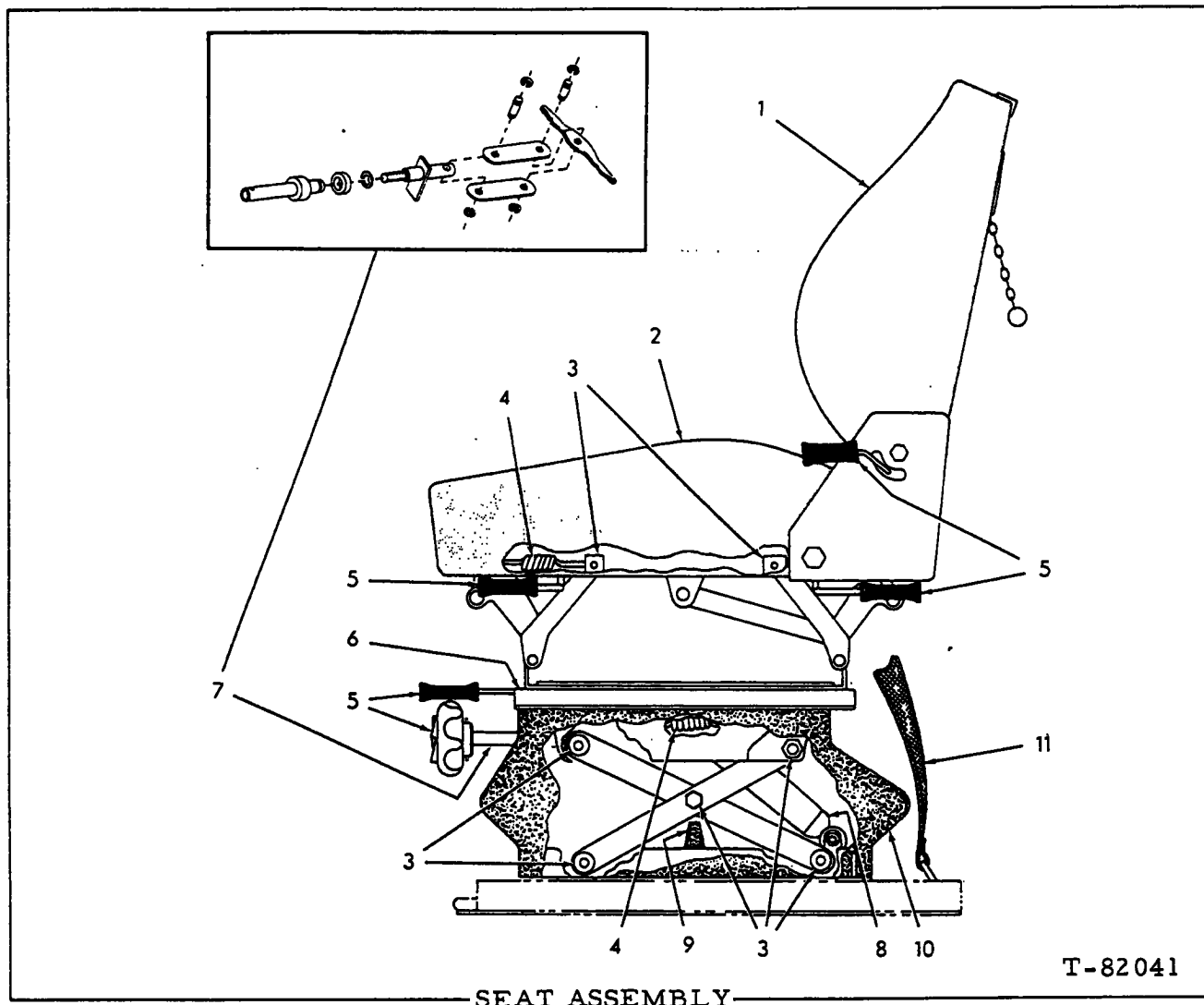
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
5	-----	1 1	ANGLE
6	-----	1 1	POUCH
	-----	2 2	CAPSCREW
7	-----	1 1	CHAIN ASSY.
8	70694784	2 2	CAP
9	70694305	1 -	FRAME ASSY. (Serviced only as a unit)
	70924433	4 -	NUT, lock, 5/16"NC
	73113740	- 1	FRAME ASSY. (Serviced only as a unit)
	70921566	- 4	CAPSCREW, 5/16"NC x 1"
	70900366	- 4	NUT, 5/16"NC
10	-----	1 1	SPRING (Not serviced separately)
11	70694781	1 -	ROD
	73113741	- 1	ROD
12	-----	1 1	SLIDE
13	-----	1 1	SLIDE
14	70694782	1 -	WIRE
15	70694783	4 4	BRACKET
	70916532	8 -	SCREW, machine, rd.-hd., 1/4"NC x 3/4"
	70921615	- 8	SCREW, button-hd., hex-skt., 1/4"NC x 3/4"
	70914105	8 8	LOCKWASHER, ext.-tooth, 1/4"
16	70695868	1 -	SLIDE KIT
	73113745	- 1	SLIDE KIT
17	73109343	1 1	POUCH KIT (Includes items 5, 6 and 7)

See item 17

Order item 16

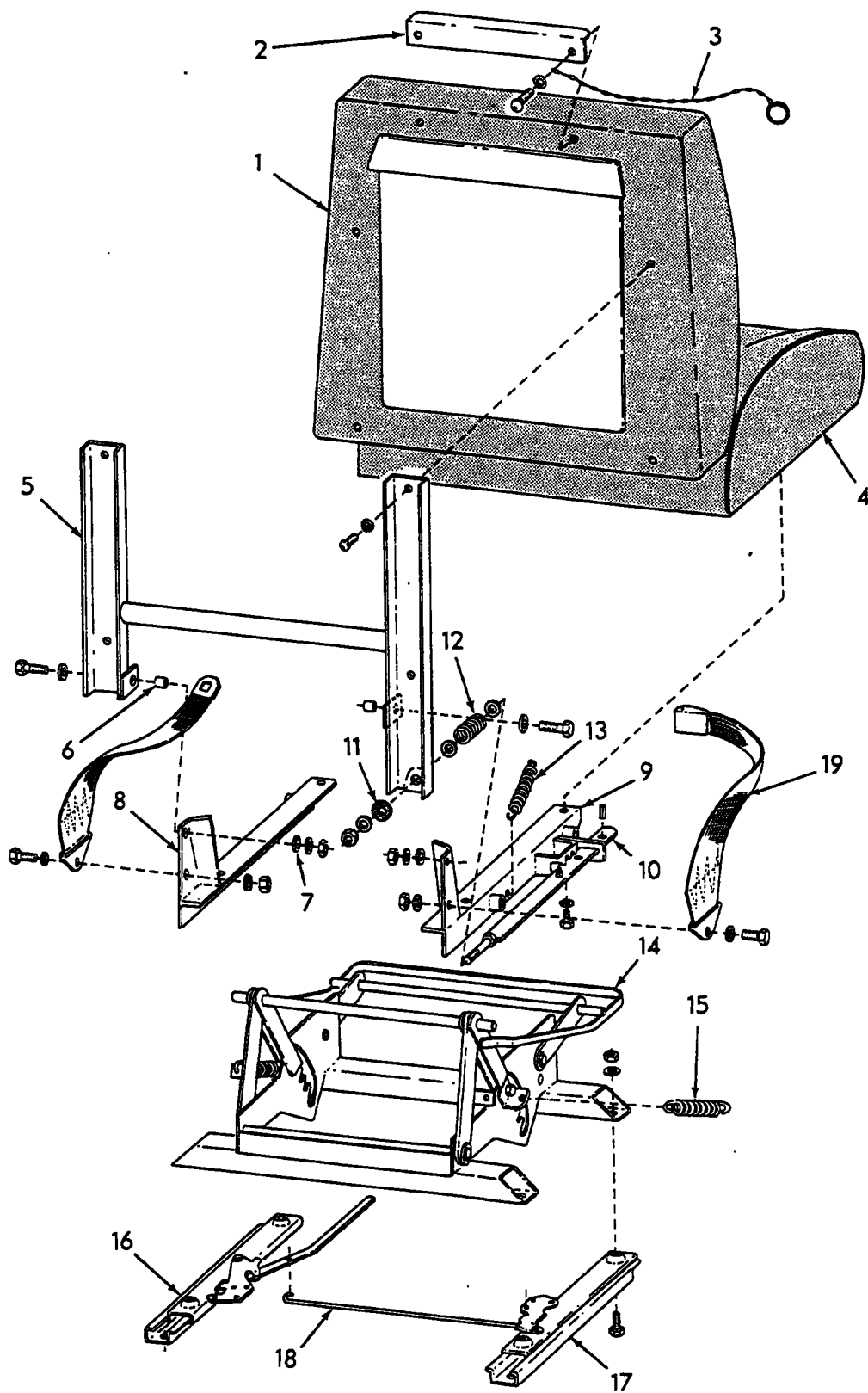
(Includes items 12 and 13)

Exceptions: 21549, 21550, 21552, 21556, 21559, 21563,
 21564, 21566, 21568, 21572, 21579 thru
 21581, 21583, 21585 thru 21588, 21590,
 21593, 21596, 21597, 21600 and 21602.



USAGE: Optional equipment. See pages 189 and 189D.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73116939	1	SEAT ASSY. (Includes items 1 thru 11)
1	73116929	1	BACK CUSHION
2	73116930	1	SEAT CUSHION
3	73116931	1	ROLLER AND BEARING SET (Includes rollers bushings and shafts)
4	73116932	1	SPRING SET (Includes all required springs)
5	73116933	1	KNOB SET (Includes 5 knobs)
6	73116934	1	ADJUSTERS
7	73116938	1	WEIGHT ADJUSTMENT ASSY. (Serviced only as a unit)
8	73116936	1	SHOCK ABSORBER (Includes attaching hardware)
9	73116937	1	BUMPER SET (Includes 2 bumpers and attaching hardware)
10	73116935	1	BOOT, dust (Includes attaching hardware)
11	73117148	1	BELT, safety (Includes attaching hardware)



SEAT ASSEMBLY
191B

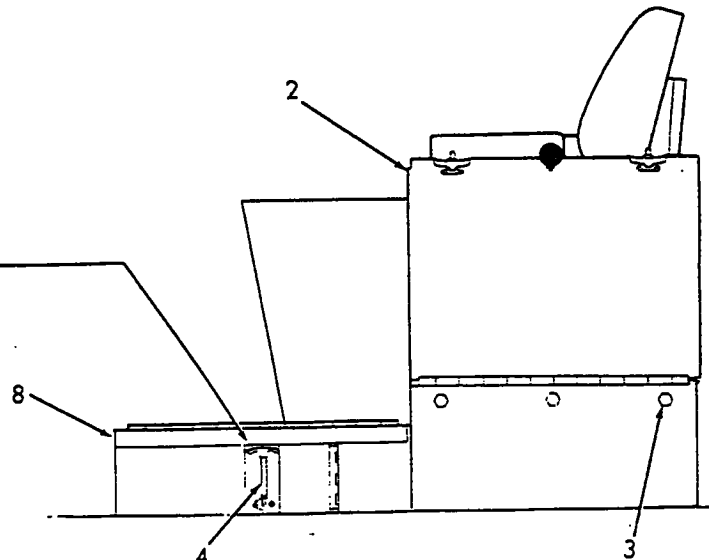
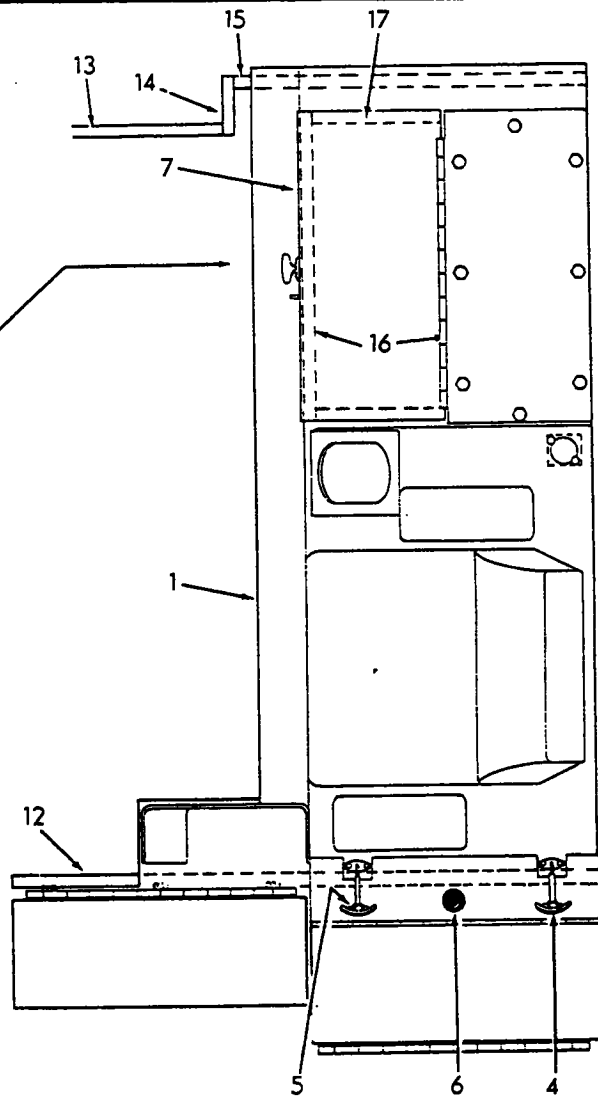
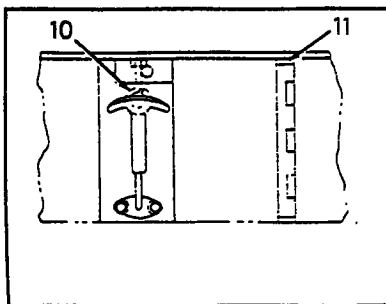
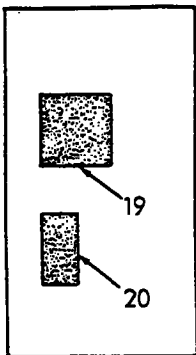
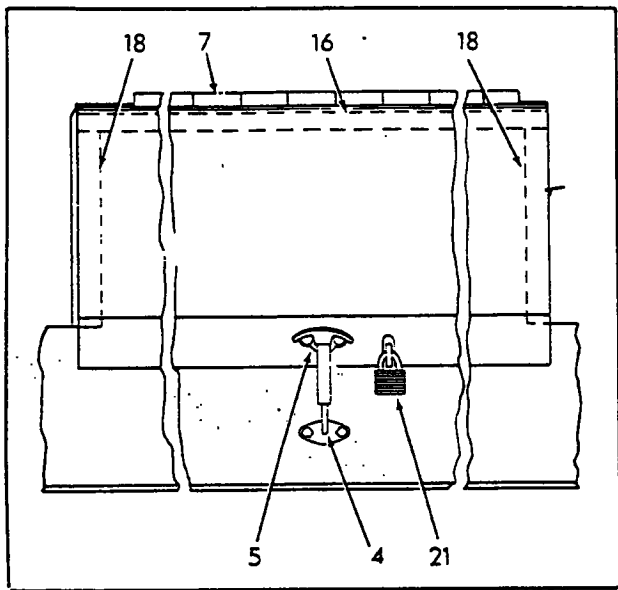
T-82491
(Added February 1980)

SEAT ASSEMBLY

USAGE: Standard, Effective approx. September 1979; see page 190 for early design. See page 189D for Seat Mounting. Also see page 191A for optional design.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73115577	1	SEAT ASSY. (Includes items 1 thru 19)
1	73118952	1	BACK CUSHION
	70927541	4	CAPSCREW, 1/4"NC x 3/4"
	70914105	4	LOCKWASHER, ext. -tooth, 1/4"
2	73118966	1	BRACKET
	70927541	2	CAPSCREW, 1/4"NC x 3/4"
	70914105	2	LOCKWASHER, ext. -tooth, 1/4"
3	73108440	1	CHAIN
4	73118951	1	SEAT CUSHION
	70927541	4	CAPSCREW, 1/4"NC x 3/4"
	70914105	4	LOCKWASHER, ext. tooth, 1/4"
5	73118965	1	FRAME
	70921076	2	CAPSCREW, 3/8"NC x 1-1/4"
	70914900	2	WASHER
	70915891	2	NUT, elastic stop, 3/8"NC
6	73118963	2	BUSHING
7	73118964	2	WASHER, nylon
8	73118955	1	FRAME, left
9	73118956	1	FRAME, right
10	73118958	1	STRAP, back tilt latch
	70919347	2	PIN, spring, 1/4" x 5/8"
11	73118961	1	BUMPER
	70914903	2	WASHER
	70915633	1	NUT
12	73118960	1	SPRING, back cushioning
13	73118959	1	SPRING, back return
14	73118953	1	BASE ASSY. (Serviced only as a unit)
	70921566	4	CAPSCREW, 5/16"NC x 1"
	70904205	4	LOCKWASHER, 5/16"
	70910323	4	NUT, 5/16"
15	73118962	2	SPRING, height adjustment
16	-----	1	SLIDE
17	-----	1	SLIDE
18	73118957	1	ROD
19	73118967	1	BELT, safety
	70927158	2	CAPSCREW, 1/2"NF x 1"
	70911414	2	WASHER
	70912441	2	LOCKWASHER, 1/2"
	70910195	2	NUT, 1/2"NF
20	73118954	1	SLIDE KIT (Includes items 16 and 17)

(Added February 1980)



BATTERY AND TOOL BOXES

T-79562

(Revised June 1980)

BATTERY AND TOOL BOXES

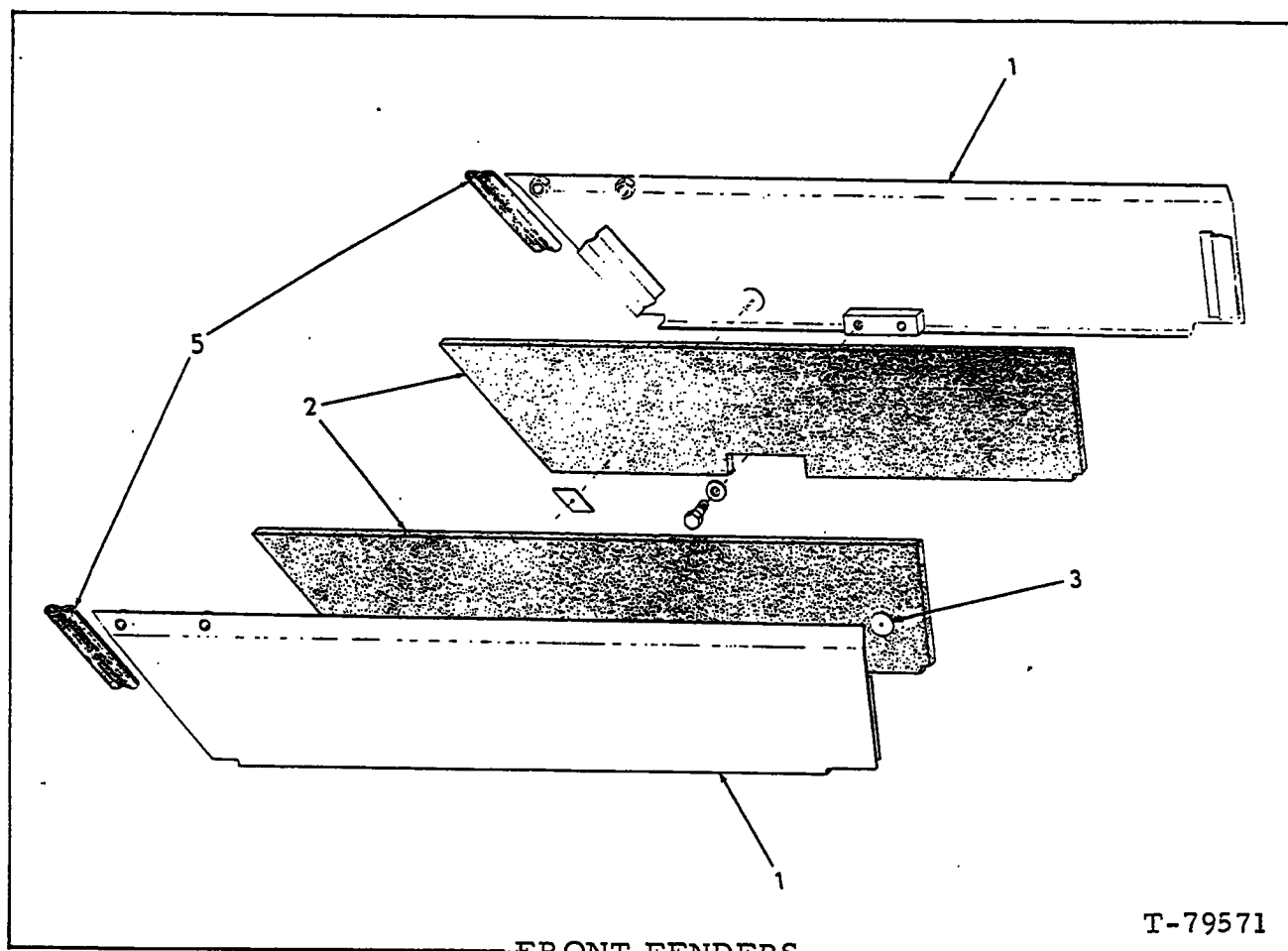
USAGE: Not used on units equipped with Cab

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	SUPPORT, seat (See page 189
2	70688775	1	COVER (Tractors prior to unit #21462)
	73112560	1	COVER (Tractor unit #21462 and up)
3	70922763	3	CAPSCREW, 3/8"NC x 1"
	70677006	3	WASHER
	70911026	3	NUT, 3/8"NC
4	70098029	4	CATCH
	70927541	8	CAPSCREW, 1/4"NC x 3/4"
	70677004	8	WASHER
	70911024	8	NUT, 1/4"NC
5	70694386	3	BRACKET
	70918147	6	SCREW, truss head, #10 NF x 1/2"
	70910243	6	WASHER
	70910251	6	NUT, #10 NF
6	70090020	1	KNOB
	70927353	1	CAPSCREW, 1/2"NF x 1-1/4"
	70911043	1	NUT, 1/2"NF
7	70688906	1	COVER (Tractors prior to unit #21303)
	70692518	1	COVER
	70921076	5	CAPSCREW, 3/8"NC x 1-1/4" } Tractor unit
	70677006	5	WASHER } #21303 and up
8	70688151	1	COVER
	70921076	3	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	3	WASHER
10	70694802	1	ROD
	70911325	1	NUT, 1/4"NC
11	-----	1	COVER (See page 195)
12	-----	1	SEAL (49.62" long)
13	-----	1	SEAL (18.69" long)
14	-----	1	SEAL (5.00" long)
15	-----	1	SEAL (29.87" long)
16	-----	2	SEAL (26.50" long)
17	-----	2	SEAL (11.25" long)
18	-----	2	SEAL (8.00" long)
19	73134825	1	SEAL (25' roll)
20	70697960	1	SEAL (165" long)
21	70928052	1	PADLOCK

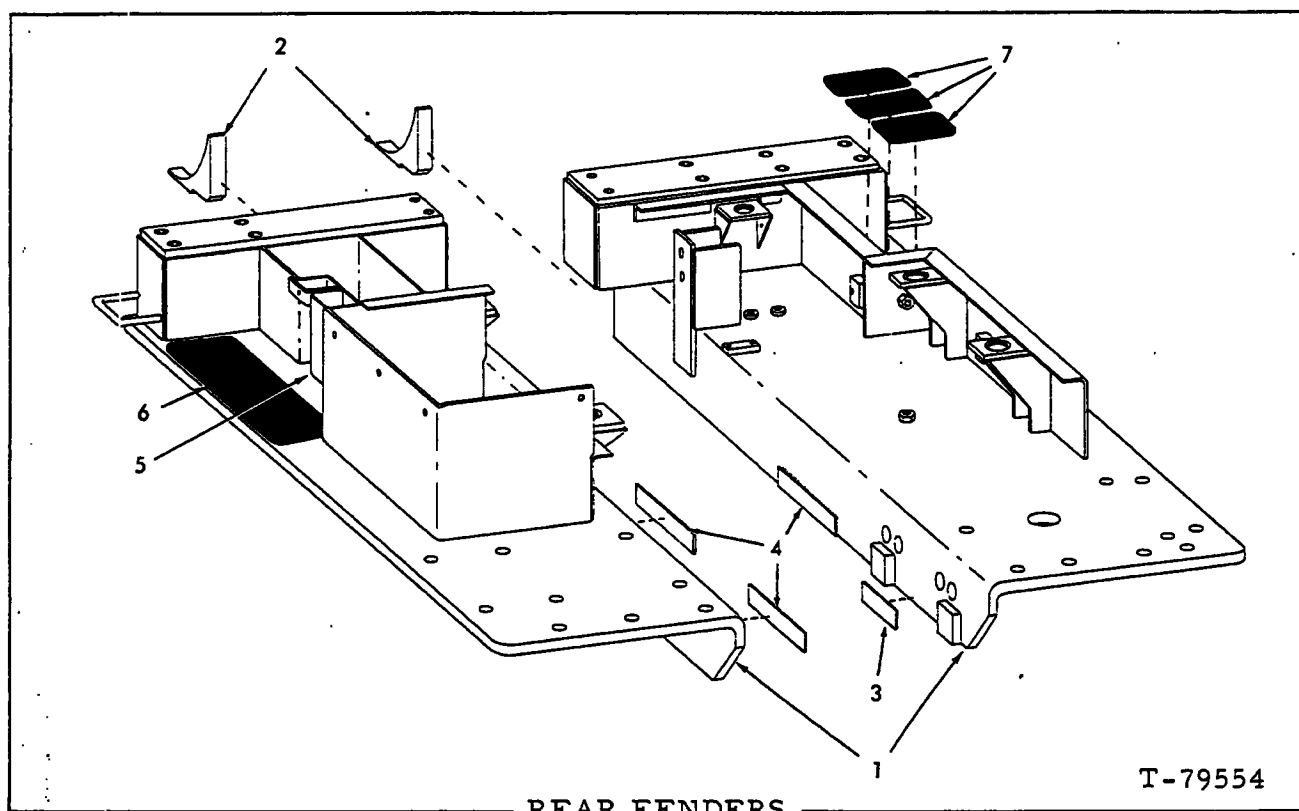
Order item 19

Order item 20

Use as required



ITEM	PART NO.	QTY.	DESCRIPTION
1	70687439	1	FENDER ASSY., left
	70687440	1	FENDER ASSY., right
	70927491	4	CAPSCREW, nylok, 1/2" NC x 1-1/4"
	70677008	4	WASHER
2	70692343	1	INSULATION, left
	70692344	1	INSULATION, right
3	70690636	10	FASTENER (adhesive backing. Includes retainer) (See item 4)
4	70694907	-	HANGER PACKAGE (Includes 100 fasteners)
5	73110197	1	SEAL (56" long. Cut to required length)(Units equipped for Sand Operations)



ITEM	PART NO.	QTY.	DESCRIPTION
------	----------	------	-------------

1	70687851	1	FENDER, left
	73113266	1	FENDER, right
2	70694099	2	GUSSET
3	73107681	1	BAR (7-1/4" long)
4	73107680	1	BAR (12" long)

NOTE: All items listed above require welding to install.

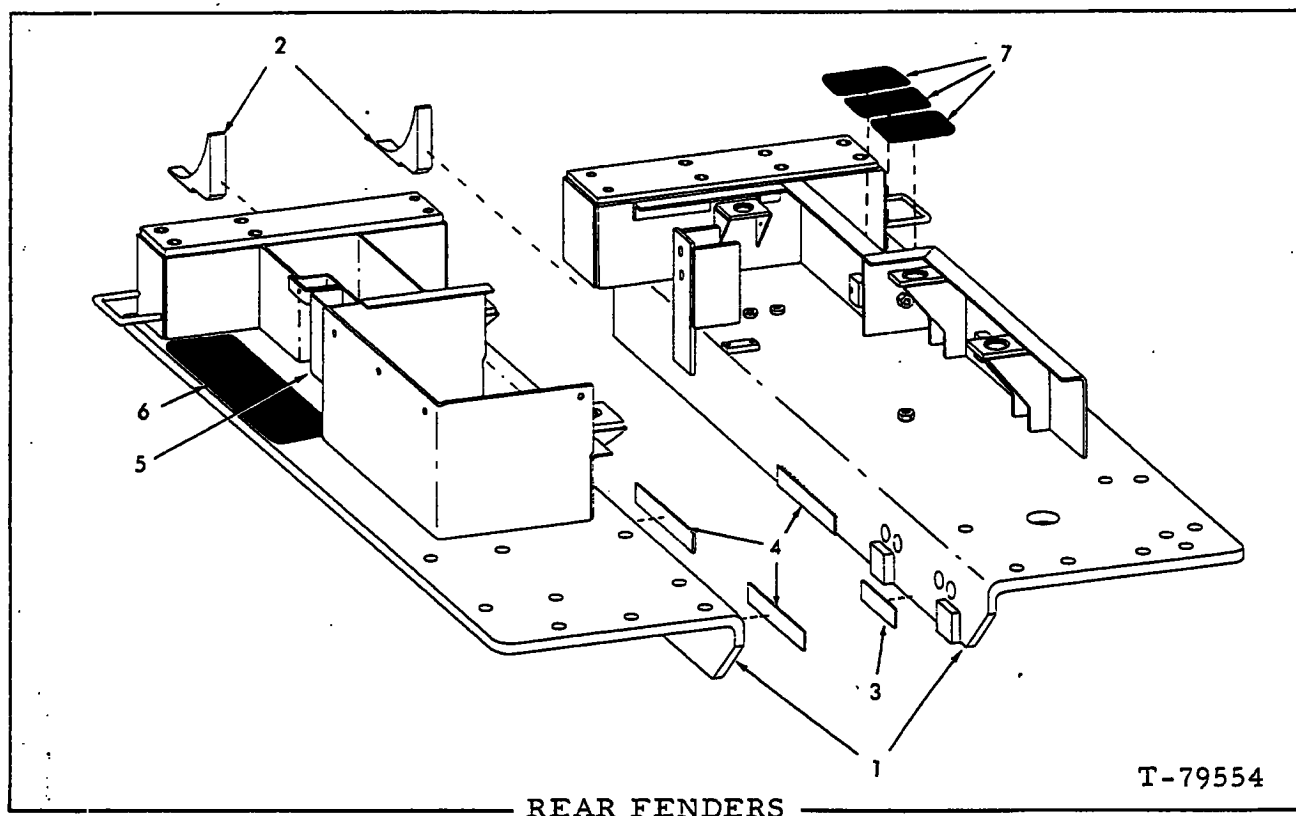
5	70697404	1	COVER
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70677006	2	WASHER
6	73115345	1	STEP TREAD, left fender
7	73116394	3	STEP TREAD, right fender

(Revised February 1980)

HOOD SIDE PLATES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
4	70692320	1 1	PLATE, left
	70692327	1 1	PLATE, right
	70921175	8 8	CAPSCREW, 1/4" NC x 1/2"
	70929379	8 8	WASHER
5	70692323	1 1	PLATE, left
	70692324	1 1	PLATE, right
	70921175	6 6	CAPSCREW, 1/2" NC x 1"
	70929379	6 6	WASHER
6	70694991	2 2	PLATE
	70927361	4 4	CAPSCREW, Nylok, 3/8" NC x 1-1/4"
	70677006	4 4	WASHER
7	70694993	1 1	ANGLE, left
	70694994	1 1	ANGLE, right
	70928873	2 2	CAPSCREW, Nylok, 1/2" NC x 1"
	70677008	2 2	WASHER
8	73113288	1 -	SPACER
9	73113287	2 -	PLATE
	70927491	2 -	CAPSCREW, Nylok, 1/2" NC x 1- 1/4"
	70930850	2 -	WASHER
10	73113171	- 1	ANGLE, left
	73113172	- 1	ANGLE, right
	70927491	- 4	CAPSCREW, Nylok, 1/2" NC x 1-1/4"
	70930850	- 4	WASHER
11	73113139	- 2	PLATE
	70921566	- 8	CAPSCREW, 5/16" NC x 1"
	70677005	- 8	WASHER
12	73113132	- 1	STRIP (left only)
	70921566	- 2	CAPSCREW, 5/16" NC x 1"
	70677005	- 2	WASHER
13	73113137	- 1	SEAL
14	-----	- 1	SEAL (9-1/2")(Refer to item 22) } Left side only
15	73113126	- 2	COVER
16	73113138	- 2	PLATE
17	73113131	- 2	BRACKET } Requires welding to install
18	73113127	- 1	ANGLE (Right side only)
	70922924	- 1	CAPSCREW, 5/16" NC x 1/2"
	70677005	- 1	WASHER
19	70659490	- 1	BLOCK, tapped (Requires welding to install)
20	-----	- 3	SEAL (6-1/2" long) } Refer to item 23
21	-----	- 1	SEAL (5-1/4"long) }
22	70697960	- -	SEAL (165" long) } Use as required
23	73134825	- -	SEAL (25' roll) }

(Revised May 1982)

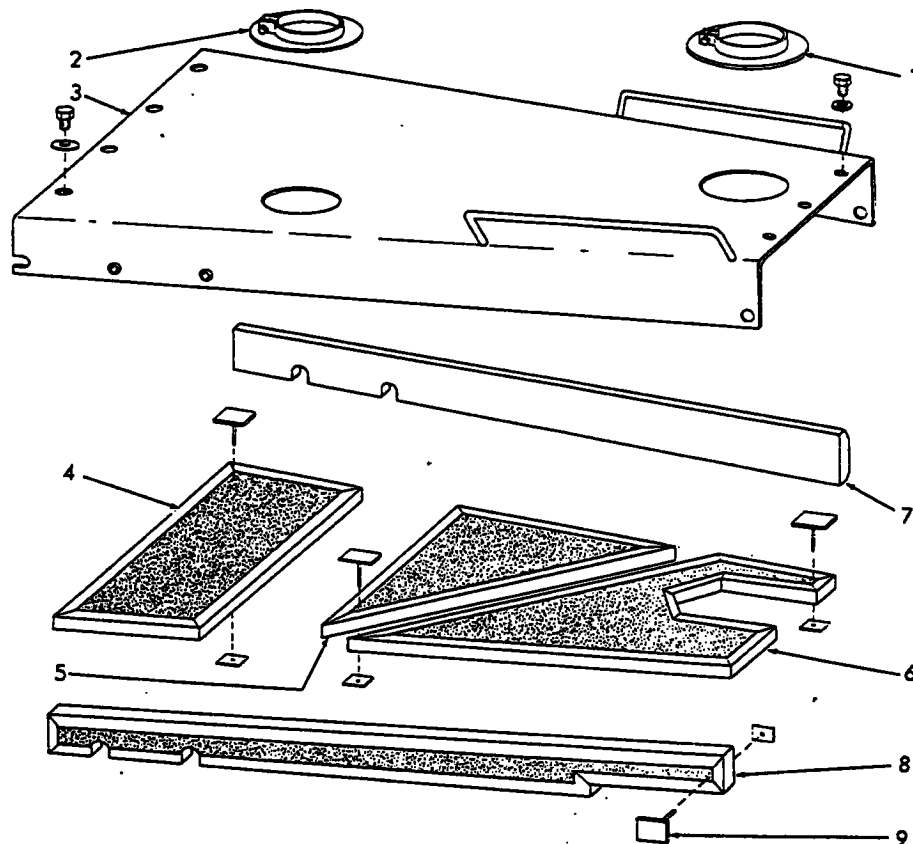


ITEM PART NO. QTY. DESCRIPTION

1	70687851	1	FENDER, left
	73113266	1	FENDER, right
2	70694099	2	GUSSET
3	73107681	1	BAR (7-1/4" long)
4	73107680	1	BAR (12" long)

NOTE: All items listed above require welding to install.

5	70697404	1	COVER
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70677006	2	WASHER
6	73115345	1	STEP TREAD, left fender
7	73116394	3	STEP TREAD, right fender



HOOD

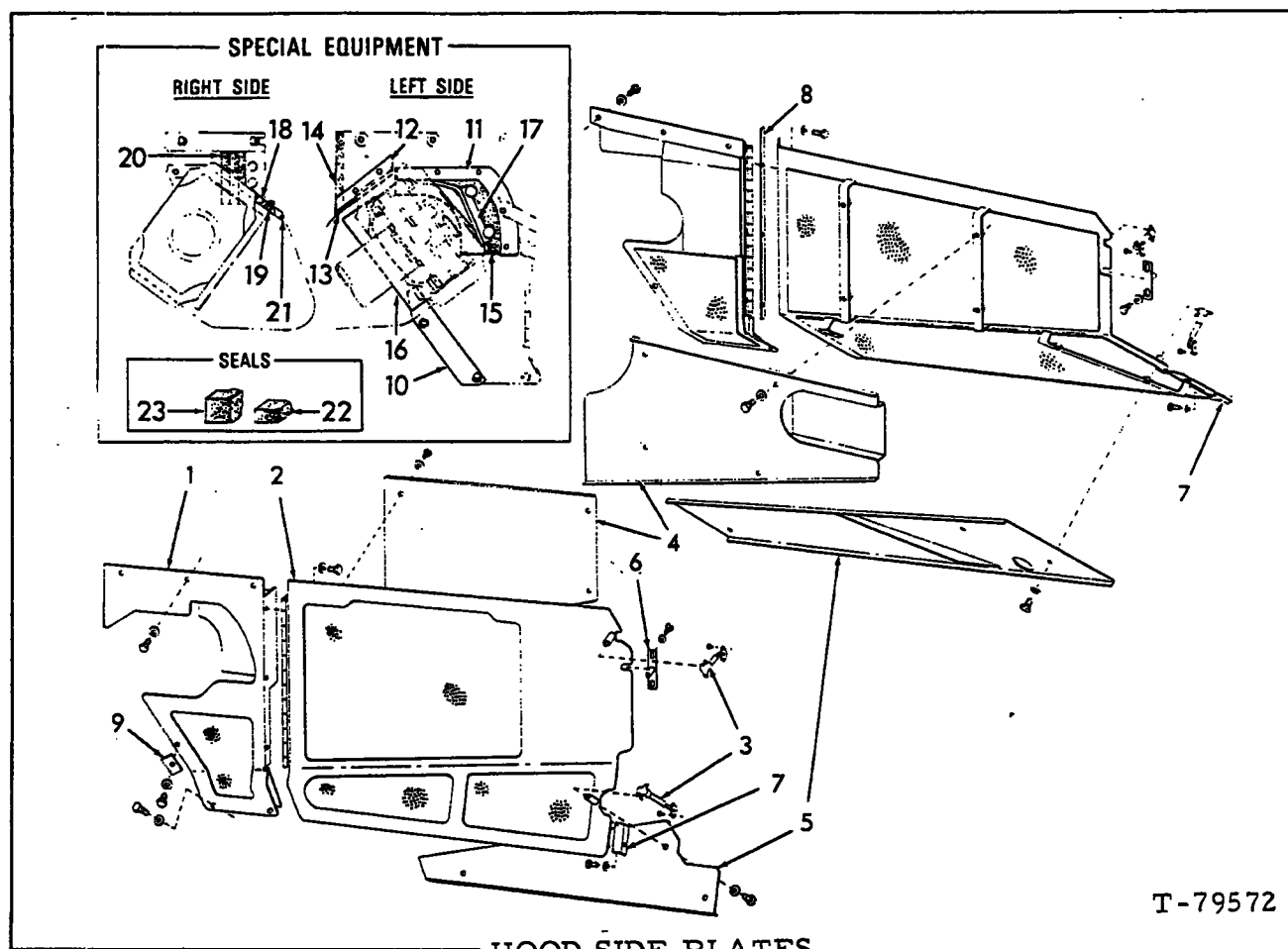
T-79493

*Standard equipment

**Special equipment. Units equipped for Sand Operations

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	1	COLLAR ASSY. (See page 64)
2	-----	1	1	COLLAR ASSY. (See page 67)
3	70695220	1	-	HOOD ASSY. (Includes items 4 thru 9)
	73113141	-	1	HOOD ASSY. (Serviced only as a unit)
	70928873	4	4	CAPSCREW, Nylok, 1/2" NC x 1"
	70929379	4	4	WASHER
	70920582	5	5	CAPSCREW, 1/2" NC x 1-1/4"
	70677008	5	5	WASHER
4	70692354	1	1	INSULATION
5	70692353	1	-	INSULATION
6	70692350	1	-	INSULATION
7	70692347	1	-	INSULATION
	73113149	-	1	INSULATION
8	70692346	1	-	INSULATION
	73113148	-	1	INSULATION
9	70690636	44	23	FASTENER (Adhesive backing. Includes retainer)(See item 10)
10	70694907	-	-	HANGER PACKAGE (Includes 100 fasteners)

NOTE: See PAINTING AND MARKING for transfers



HOOD SIDE PLATES

* Standard equipment

** Special equipment. Units equipped for Sand Operations.

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70685028	1 -	SIDE PLATE, left
	73113123	- 1	SIDE PLATE, left
	70685171	1 -	SIDE PLATE, right
	73113125	- 1	SIDE PLATE, right
	70928873	2 2	CAPSCREW, Nylok, 1/2" NC x 1"
	70929379	2 2	WASHER
	70927491	8 6	CAPSCREW, Nylok, 1/2" NC x 1-1/4"
	70930850	8 6	WASHER
2	70684966	1 -	SIDE PLATE, left
	73113154	- 1	SIDE PLATE, left
	70685301	1 -	SIDE PLATE, right
	73113161	- 1	SIDE PLATE, right
	70928873	6 6	CAPSCREW, Nylok, 1/2" NC x 1"
	70928178	6 -	WASHER
3	70098029	4 4	LATCH ASSY. (Serviced only as a unit)
	70928182	8 8	CAPSCREW, 1/4" NC x 1/2"

(Continued)

HOOD SIDE PLATES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
4	70692320	1 1	PLATE, left
	70692327	1 1	PLATE, right
	70921175	8 8	CAPSCREW, 1/4" NC x 1/2"
	70929379	8 8	WASHER
5	70692323	1 1	PLATE, left
	70692324	1 1	PLATE, right
	70921175	6 6	CAPSCREW, 1/2" NC x 1"
	70929379	6 6	WASHER
6	70694991	2 2	PLATE
	70927361	4 4	CAPSCREW, Nylok, 3/8" NC x 1-1/4"
	70677006	4 4	WASHER
7	70694993	1 1	ANGLE, left
	70694994	1 1	ANGLE, right
	70928873	2 2	CAPSCREW, Nylok, 1/2" NC x 1"
	70677008	2 2	WASHER
8	73113288	1 -	SPACER
9	73113287	2 -	PLATE
	70927491	2 -	CAPSCREW, Nylok, 1/2" NC x 1- 1/4"
	70930850	2 -	WASHER
10	73113171	- 1	ANGLE, left
	73113172	- 1	ANGLE, right
	70927491	- 4	CAPSCREW, Nylok, 1/2" NC x 1-1/4"
	70930850	- 4	WASHER
11	73113139	- 2	PLATE
	70921566	- 8	CAPSCREW, 5/16" NC x 1"
	70677005	- 8	WASHER
12	73113132	- 1	STRIP (left only)
	70921566	- 2	CAPSCREW, 5/16" NC x 1"
	70677005	- 2	WASHER
13	73113137	- 1	SEAL
14	-----	- 1	SEAL (9-1/2")(Refer to item 22) } Left side only
15	73113126	- 2	COVER
16	73113138	- 2	PLATE
17	73113131	- 2	BRACKET } Requires welding to install
18	73113127	- 1	ANGLE (Right side only)
	70922924	- 1	CAPSCREW, 5/16" NC x 1/2"
	70677005	- 1	WASHER
19	70659490	- 1	BLOCK, tapped (Requires welding to install)
20	-----	- 3	SEAL (6-1/2" long) } Refer to item 23
21	-----	- 1	SEAL (5-1/4"long) }
22	70697960	- -	SEAL (165" long) } Use as required
23	73134825	- -	SEAL (25' roll) }

(Revised May 1982)

PAINTING AND MARKING
(Not Illustrated)

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: Approximately 18-1/2 gallons of paint required for spraying
1	70698037	-	ENAMEL, yellow orange, 12 oz. aerosol spray can
2	70698038	-	ENAMEL, yellow orange, gallon can
			NOTE: All plates and decals listed below are English language printings unless otherwise indicated.
3	73114058	1	PLATE, lubrication and service guide (7-3/4" x 12")
	70698742	1	PLATE, lubrication and service guide (Spanish)(7-3/4" x 12")
	70698743	1	PLATE, lubrication and service guide (Portuguese)(7-3/4" x 12")
	70698744	1	PLATE, lubrication and service guide (French)(7-3/4" x 12")
	70698944	1	PLATE, lubrication and service guide (Italian)(7-3/4" x 12")
	70698993	1	PLATE, lubrication and service guide (German)(7-3/4" x 12")
	70034076	4	SCREW, thd-cutting, cross-recessed head, #8 x 1/2"
4	70672642	1	□DECAL, instruction, air cleaner (3" x 5")(Applied to air cleaner inlet tube)
5	73107879	1	□DECAL, instruction, engine starting (4-7/16" x 4-7/8") (Applied to cowl)
6	70664837	1	PLATE, instruction, engine and steering (1-1/2" x 4-7/8")(Attaches to top of transmission control tower)
	70034076	1	SCREW
7	74029499	1	□DECAL, instruction, engine primer (3" x 3-1/4") (Applied to Cowl)
8	70677914	2	□DECAL, instruction, fuel filter (2-1/4" x 3-3/4") (Applied to filters)
9	70695034	2	□DECAL, instruction, steering oil filter (1-3/4" x 2-1/4")(Applied to Steering Filters)
10	73109131	1	□DECAL, instruction manual location (6-5/8" x 1-1/8") (Applied to top of seat back)
11	70658630	1	□DECAL, instruction, transmission filters(1-3/4" x 2-1/4")(Applied to transmission filters)
12	73107880	1	□DECAL, important, engine oil filter (6-7/16" x 2-1/2")
	73109141	1	DECAL, important, engine oil filter (Italian)(6-1/2" x 2-1/2")
	73109142	1	DECAL, important, engine oil filter (Spanish)(6-1/2" x 2-1/2")
	73109143	1	DECAL, important, engine oil filter (German) (6-1/2" x 2-1/2")
	73109144	1	DECAL, important, engine oil filter (French) (6-1/2" x 2-1/2")
	73109145	1	DECAL, important. engine oil filter (Portuguese) (6-1/2" x 2-1/2")
			NOTE: Item 12 listed above applies to engine oil by-pass filter.
12A	73111469	1	DECAL, instruction, brake lock control (3-1/2" x 1-1/4") (Applied to right side arm rest on seat support)

Attaches
to left
side of
Trans-
mission
control
Tower

(Continued)

PAINTING AND MARKING (Continued)
(Not Illustrated)

ITEM	PART NO.	QTY.	DESCRIPTION
13	73109147	1	DECAL, important, fueling rate (4" x 1-1/2")(Applied to left side of fuel tank)
14	73108728	2	□DECAL, important, lube oil (3-7/16" x 2-1/4")(Applied to lube oil filter)
15	73107892	2	□DECAL, danger, brake valves (4-7/16" x 2-1/2") (Applied to top of brake valves)
16	73107882	2	□DECAL, danger, flammable vapors (4-9/16" x 2-1/8") (Applied to both sides of fuel tank)
17	73107884	2	□DECAL, danger, fluid pressure (5-7/16" x 1-15/16") (Applied to radiator filler cap guard)
18	73108074	1	□DECAL, horn (2" x 3")(Applied to right side of transmission control tower)
19	73108774	1	□DECAL, danger, hydraulic system service (6" x 8-7/8") (Applied to right side of hydraulic tank)
20	73108929	2	□DECAL, danger, track tension (6" x 2-5/16")(Applied to track release spring cover)
21	73107893	4	□DECAL, danger, track release spring (4-7/16" x 2-1/8")(Applied to track release spring cover and spring retaining housing)
22	73107881	2	□DECAL, warning, blades and belts(4-7/16" x 1-7/8") (Applied to sides of radiator guard)
23	73107895	1	□DECAL, warning, do not start (4-1/2" x 2-1/2")
	73109135	1	DECAL, warning, do not start (Italian)(4-1/2" x 2-1/2")
	73109136	1	DECAL, warning, do not start (Spanish)(4-1/2" x 2-1/2")
	73109137	1	DECAL, warning, do not start (German)(4-1/2" x 2-1/2")
	73109138	1	DECAL, warning, do not start (French)(4-1/2" x 2-1/2")
	73109139	1	DECAL, warning, do not start (Portuguese)(4-1/2" x 2-1/2")

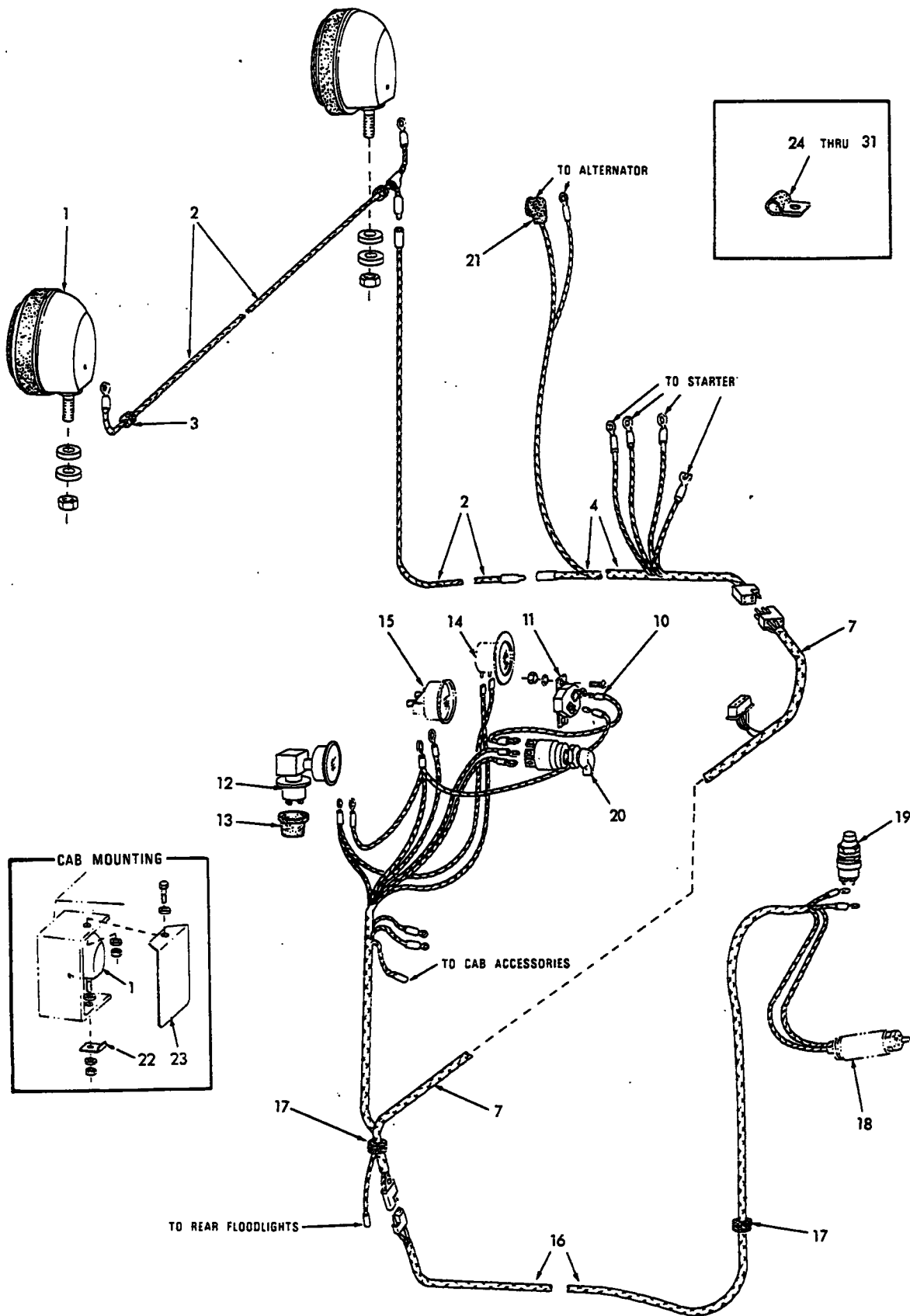
NOTE: Item 23 listed above applied to the Cowl

24	73107894	1	□DECAL, warning, element cleaning (4-7/16" x 1-15/16") (Applied to side of air cleaner)
25	73107897	4	□DECAL, warning, inoperative brakes (4-9/16" x 2-1/8") (Applied to rear of main housing)
26	73107891	1	□DECAL, warning, master switch (4-7/16" x 2-1/8") (Applied to left side of fuel tank)
27	73107883	1	□DECAL, warning, operation (5-5/16" x 9-9/16") (Applied to right side of Transmission Control Tower)
28	73107889	1	□DECAL, warning, pressure leaks (7-7/16" x 1-15/16") (Applied to left side of Control Tower)
29	73107890	4	□DECAL, warning, scissors point (6-1/2" x 2-1/4") (Applied to ripper tool bar linkage)
30	73108722	2	□DECAL, warning, starting fluid (4-7/16" x 2-1/4") (Applied to air intake pipe)
31	73107888	1	□DECAL, warning, start up, shut-down (5" x 6-11/16") (Applied to cowl)
32	73107885	2	□DECAL, warning, towing (4-7/16" x 1-15/16")(Applied to front of main frame and rear of main housing)
33	73108938	1	□DECAL, warning, cab tilt (3" x 6")(Applied to left side of cab)

(Continued)

PAINTING AND MARKING (Continued)
(Not Illustrated)

ITEM	PART NO.	QTY:	DESCRIPTION
34	-----	1	DECAL, "ROPS" (6" x 2-1/2")(Applied to top rear of ROPS frame)(Order from local Fiat-Allis dealer)
35	70695144	1	□DECAL, "Steering Oil Sump" (1-3/4" diam.)(Applied to top of Main Housing oil level gauge)
36	70695137	1	□DECAL, "Transmission Oil Sump" (1-3/4" diam.)(Applied to top of transmission oil level gauge)
37	70694424	2	□DECAL, "F-A" trademark (8" x 9") (Applied to sides of radiator guard)
38	70694425	1	□DECAL, "F-A" trademark (9-1/2" x 10-3/4")(Applied to rear of fuel tank guard on units equipped with Ripper)
39	70694436	1	□DECAL, "FIAT-ALLIS" trademark (3" x 20") (Applied to front of Radiator Guard)
40	70694437	2	□DECAL, "FIAT-ALLIS" trademark (22-1/2" x 3-1/2") (Applied to sides of hood)
41	70697242	1	□DECAL, "FIAT-ALLIS" trademark (16" x 29-1/2") (Applied to back of Fuel Tank)(Not used with Ripper)
42	70694452	2	□DECAL, "21-C" (6" x 16-5/8")(Applied to both sides of battery boxes)
43	73110432	1	KIT, decal (Includes items 4, 5, 9 thru 12, 15 thru 28, 30 thru 33, 35 thru 37, and 39 thru 42)



LIGHTS AND WIRING

T-79478

LIGHTS AND WIRING

* Units with standard 20 amp. alternator
 ** Units with standard 45 amp. alternator, or optional 150 amp. alternator. } See page 215

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	2	2	LIGHT ASSY. (See page 204)
	70677008	4	4	WASHER
	70910195	2	2	NUT, 1/2" NF
2	70683796	1	1	CABLE (Tractors prior to unit #21394)
	73108744	1	1	CABLE ASSY. (2 piece)(Tractor unit #21394 and up)
3	70696335	2	2	GROMMET
4	73121989	1	-	HARNESS, front section(If first replacement on tractors prior to unit #21849, also order 1 HARNESS 73121990)
	70697088	-	1	CABLE, alternator to starter (Prior S/N 71A21967)
	73123442	-	1	CABLE, alternator - to starter (Includes item 21) (Tractor S/N 71A21967 and up)
	70917376	1	1	NUT, #12NC
5	70695239	-	1	HARNESS, front section
6	70697087	-	1	CABLE, starter to voltmeter
7	73121990	1	-	HARNESS, rear section(If first replacement on tractors prior to unit #21849, also order 1 HARNESS 73121989)
	70696863	-	1	HARNESS, rear section
8	70696864	-	1	CABLE, starter to voltmeter, rear
9	70630738	-	1	CABLE, hour meter to pressure switch
10	70689809	1	1	CABLE
11	70161824	1	1	BREAKER, circuit
	70910968	2	2	SCREW, #10-24NC x 1"
	70910284	2	2	LOCKWASHER, #10
	70916621	2	2	NUT, #10-24NC
12	70660694	1	1	SWITCH, pressure
13	70632706	1	1	BOOT
14	-----	1	1	METER, hour
15	-----	1	1	VOLTMETER
16	70691338	1	1	HARNESS
17	70924292	2	2	GROMMET
18	-----	1	1	SWITCH, safety (See page 128)
19	70240962	1	1	SWITCH ASSY., starter (Serviced only as a unit)
20	70661345	1	1	SWITCH ASSY., light (Includes nut)
21	70667579	1	-	BOOT
22	70699872	-	2	ANGLE (Early units)
23	70699873	-	2	COVER
	70920585	-	2	CAPSCREW, 1/2" NC x 1-3/4"
	70677008	-	4	WASHER
	70911028	-	2	NUT, 1/2" NC
	70922300	-	2	CAPSCREW, 3/8" NC x 3/4"
	70677006	-	2	WASHER
24	70640676	1	1	CLIP, insulated, 5/16" I.D.
	70677006	1	1	WASHER

} Early units

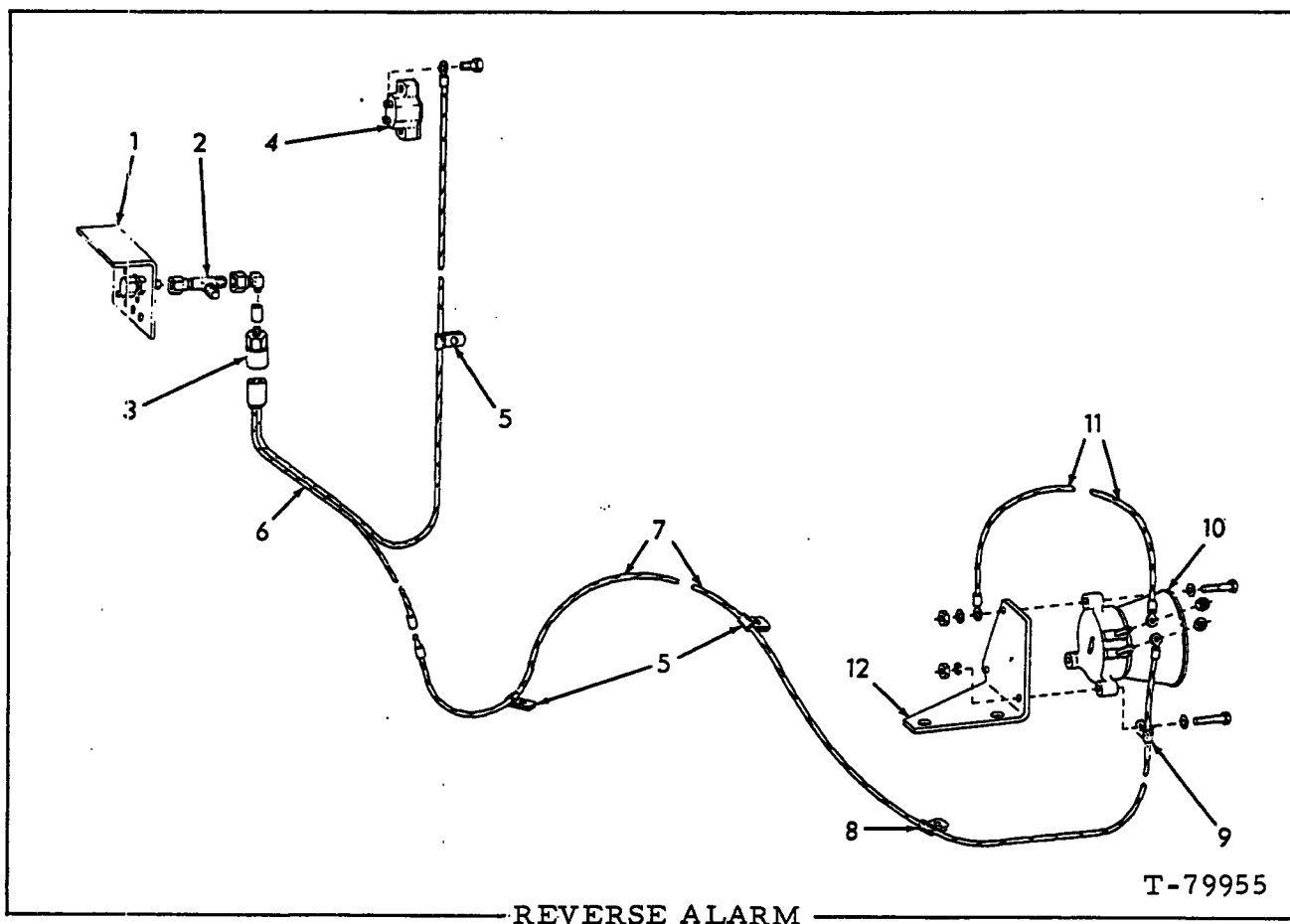
} Late units

(Continued)

(Revised April 1980)

LIGHTS AND WIRING (Continued)

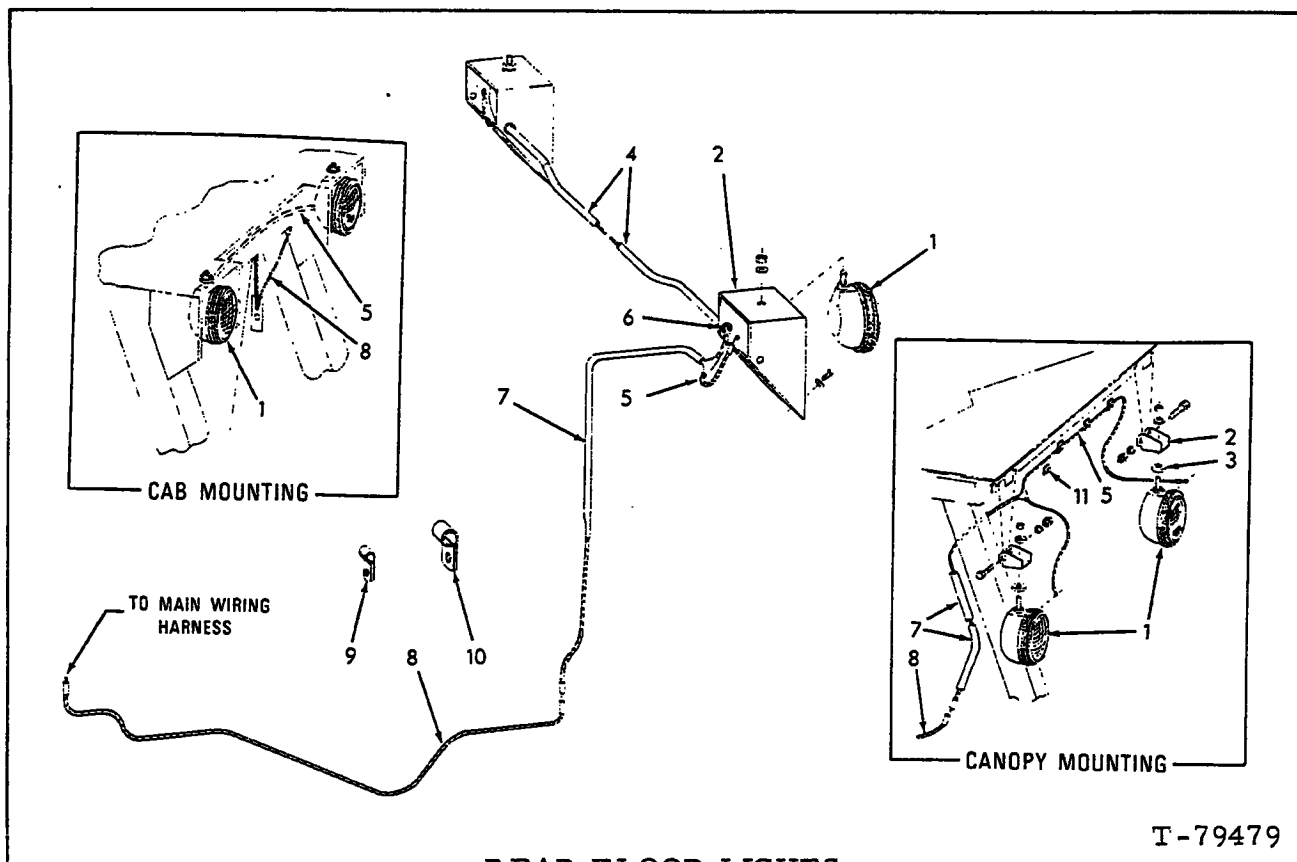
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
25	70927384	3 -	CLAMP, insulated, 3/8" I.D. x 7/8" width (2 less used on tractors prior to unit #21041)
	70926707	- 1	CLAMP, insulated, 1/2" I.D. x 1" width
	70923470	1 -	CAPSCREW, 3/8" NC x 1-1/2"
	70921175	- 1	CAPSCREW, 1/2" NC x 1"
	70921556	1 -	CAPSCREW, 1/2" NC x 2"
	70677008	- 1	WASHER
	70930370	2 -	WASHER, 11/16" O.D.
	70929154	2 -	WASHER, 3/4" O.D.
	70928844	3 -	WASHER, 1-1/2" O.D.
	70900369	1 -	NUT, 1/2" NC
26	70624508	1 1	CLIP, insulated, 3/8" I.D. hole } Tractors prior to unit #21041 with std. 20 amp alternater
	70921175	1 1	CAPSCREW, 1/2" NC x 1" }
	70677008	1 1	WASHER }
27	70927155	3 3	CLAMP, insulated, 1/2" I.D. hole (Two additional required effective with tractor S/N 71A21947)
28	70654655	- 1	CLIP
	70921175	- 1	CAPSCREW, 1/2" NC x 1" } Tractors prior to unit #21041
	70677008	- 1	WASHER }
29	70929458	3 3	CLAMP, insulated, 3/8" I.D. hole
	70922300	3 3	CAPSCREW, 3/8" NC x 3/4"
	70929156	3 3	WASHER
30	70928176	8 8	CLAMP, insulated, 1/8" I.D. hole
	70922300	5 5	CAPSCREW, 3/8" NC x 3/4"
	70929156	5 5	WASHER
31	70927599	1 -	CLAMP, insulated, 9/16" I.D. hole



REVERSE ALARM

USAGE: Special equipment on units prior to unit #21286 and standard equipment thereafter.

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PANEL, pressure test (See page 123)
2	-----	1	TEE (See page 123)
	70932613	1	ELBOW, flare type, 1/4" tube, 1/8"NPT
	70901763	1	COUPLING, 13/16", 1/8"NPT
3	73066429	1	SWITCH, pressure
4	-----	1	BREAKER, circuit (See page 201)
5	70639388	3	CLIP
6	73109722	1	HARNESS
7	73109723	1	CABLE
8	70640704	1	CLIP
9	70640707	1	CLIP
10	73122739	1	HORN
	70921382	3	CAPSCREW, 1/4"NC x 1-1/4"
	70677004	6	WASHER
	70920187	1	LOCKWASHER, 1/4"
	70917730	3	NUT, 1/4"NC
11	70671763	1	CABLE
12	73109705	1	ANGLE



* Units without CAB or CANOPY (Standard)

** Units with CANOPY (Special)

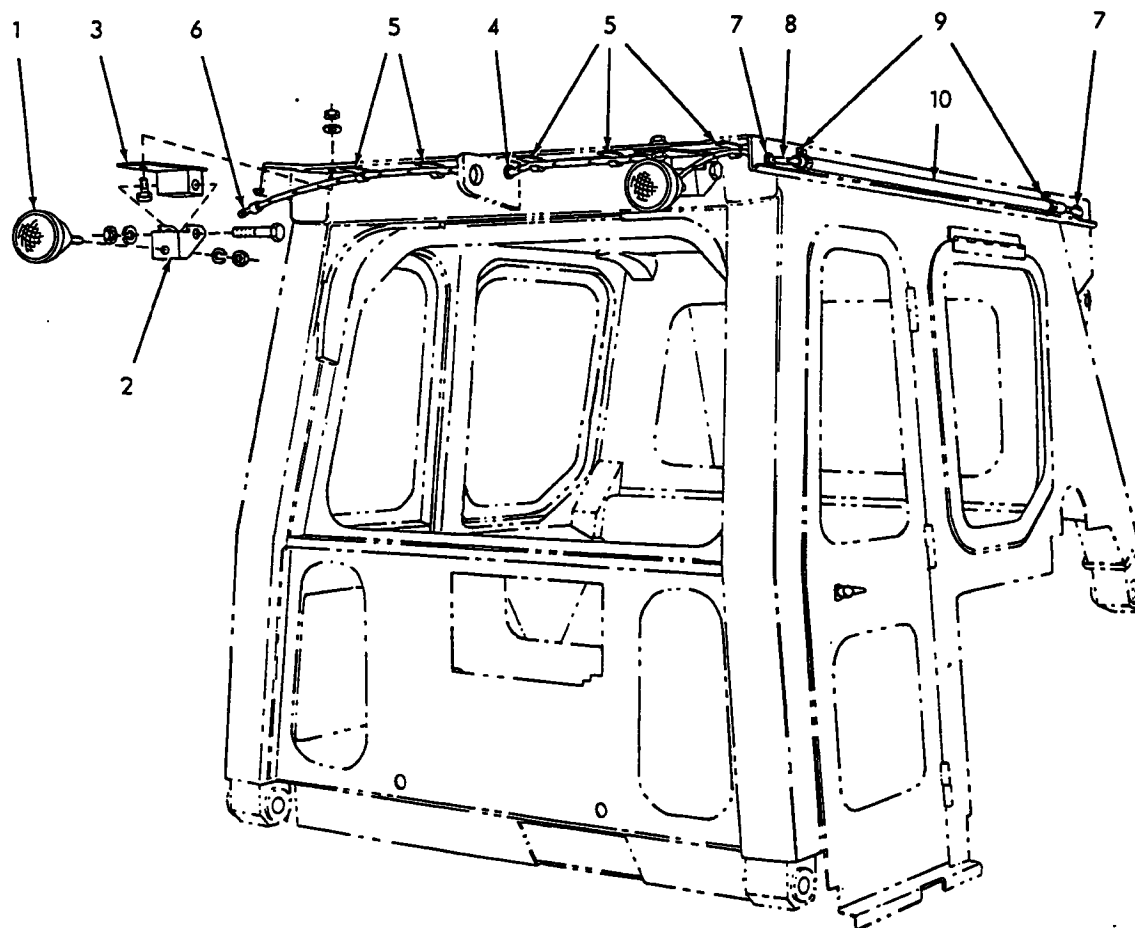
*** Units with CAB (Special)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	-----	2	2	2	LIGHT ASSY. (See page 204)
	70677008	4	2	4	WASHER
	70910195	2	2	2	NUT, 1/2"NF
2	70691319	2	-	-	BRACKET
	70922763	8	-	-	CAPSCREW, 3/8"NC x 1"
	70677006	8	-	-	WASHER
	70076140	-	2	-	BRACKET
	70928043	-	2	-	CAPSCREW, 5/8"NC x 3-1/2"
	70912942	-	2	-	LOCKWASHER, 5/8"
	70911029	-	2	-	NUT, 5/8"NC
3	70061528	-	2	-	BOSS
4	70694482	1	-	-	TUBE
5	70676647	1	-	-	CABLE (90" long)
	70692500	-	1	-	CABLE (175" long)
	73107460	-	-	1	CABLE (60" long) (Not serviced)
6	70930860	2	-	-	GROMMET
7	70696016	1	-	-	TUBE
	70696331	-	1	-	TUBE

(Continued)

REAR FLOOD LIGHTS (Continued)

ITEM	PART NO.	QUANTITY	DESCRIPTION
		* ** **	
8	70691328	1 1 -	HARNESS (66" long)
	-----	- - 1	HARNESS (See page 201)
9	70928176	4 3 -	CLAMP, insulated (1/8" I. D. x 3/4")
	70927484	1 - -	CAPSCREW, 3/8" NC x 1/2"
	70922300	3 3 -	CAPSCREW, 3/8" NC x 3/4"
	70929156	4 3 -	WASHER
10	70927155	4 2 -	CLAMP, insulated (1/2" I. D. x 3/4")
	70927484	4 - -	CAPSCREW, 3/8" NC x 1/2"
	70922300	- 1 -	CAPSCREW, 3/8" NC x 3/4"
	70929156	4 - -	WASHER
11	73059884	- 12 -	CLIP (adhesive backing)



CAB FRONT HEADLIGHTS

T- 82594

USAGE: Special equipment

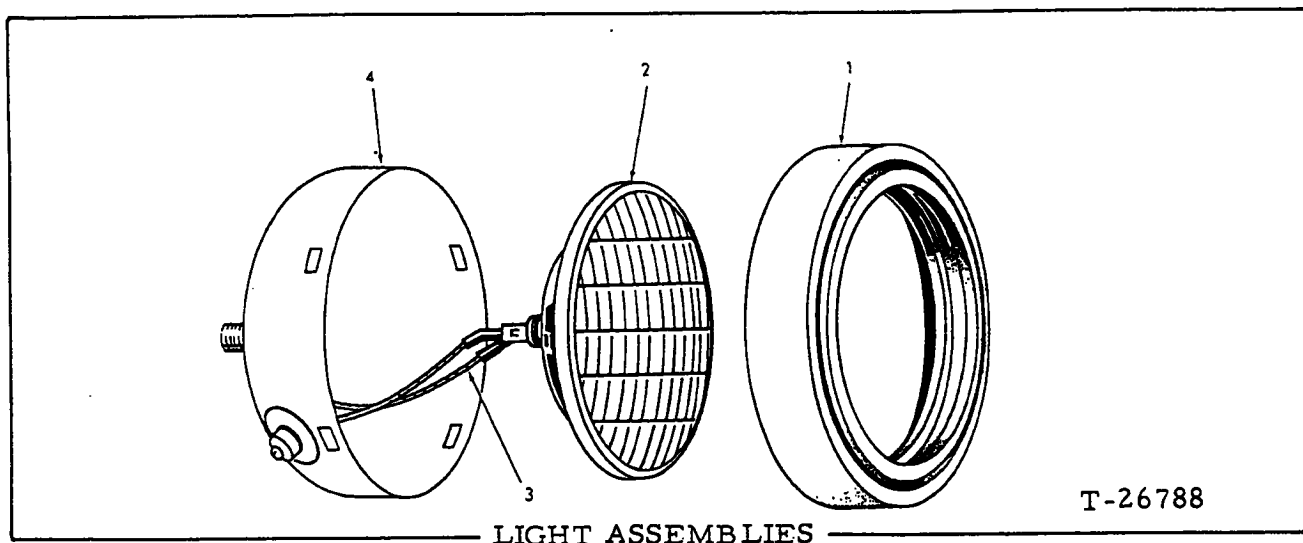
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	2	LIGHT ASSY., front head (See page 203C)
	70912441	2	LOCKWASHER, 1/2"
	70900369	2	NUT, 1/2"NC
2	70076140	2	BRACKET
	70928043	2	CAPSCREW, 5/8"NC x 3 1/2"
	70912942	2	LOCKWASHER, 5/8"
	70900370	2	NUT, 5/8"NC
3	73125581	2	BRACKET
	70920583	2	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	2	WASHER
	70900369	2	NUT, 1/2"NC
4	73125577	2	GROMMET (Requires cementing together)
5	73059884	5	CLIP (adhesive backing)
6	73107460	1	WIRE (60" long)
7	70044810	2	GROMMET
8	70695440	1	WIRE

(Continued)

(Added July 1980)

CAB FRONT HEADLIGHTS (Continued)

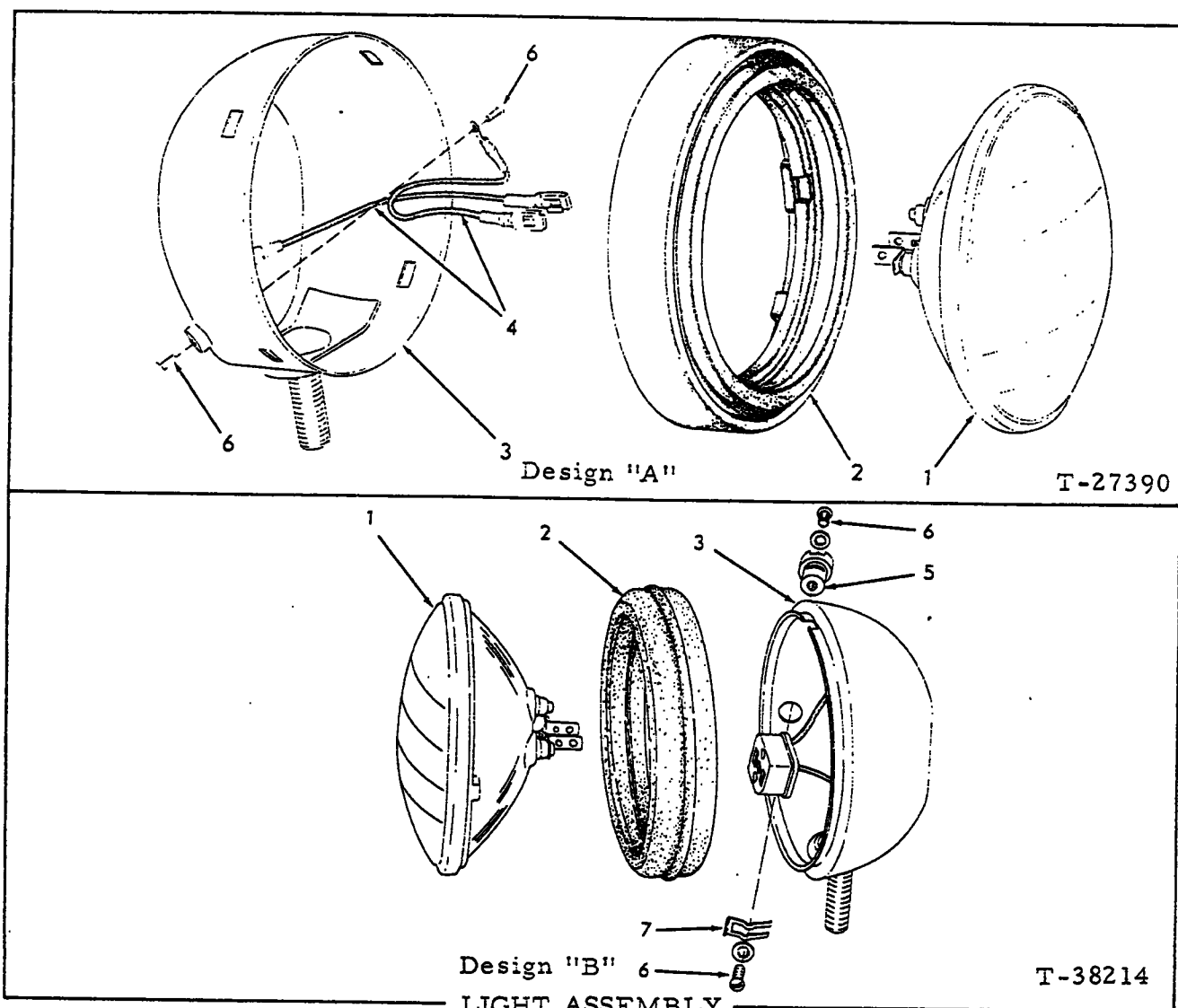
ITEM	PART NO.	QTY.	DESCRIPTION
9	70927155	2	CLAMP
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70929156	2	WASHER
	70910287	2	LOCKWASHER, 3/8"
	70900267	2	NUT, 3/8"NC
10	73125579	1	TUBE



LIGHT ASSEMBLIES

USAGE: See page 203A

ITEM	PART NO.	QTY.	DESCRIPTION
-	70184716	1	HEAD LAMP ASSY., (includes items 1 thru 4)
1	70621821	1	RING, mounting (rubber)
2	70184768	1	SEALED BEAM, headlamp
3	70184771	1	WIRE ASSY.
	70912731	1	SCREW, mach., cd. pltd., #8 NC x 5/16"
	-----	1	SHELL (Not serviced separately)



USAGE: See pages 201 and 202

* Design "A"

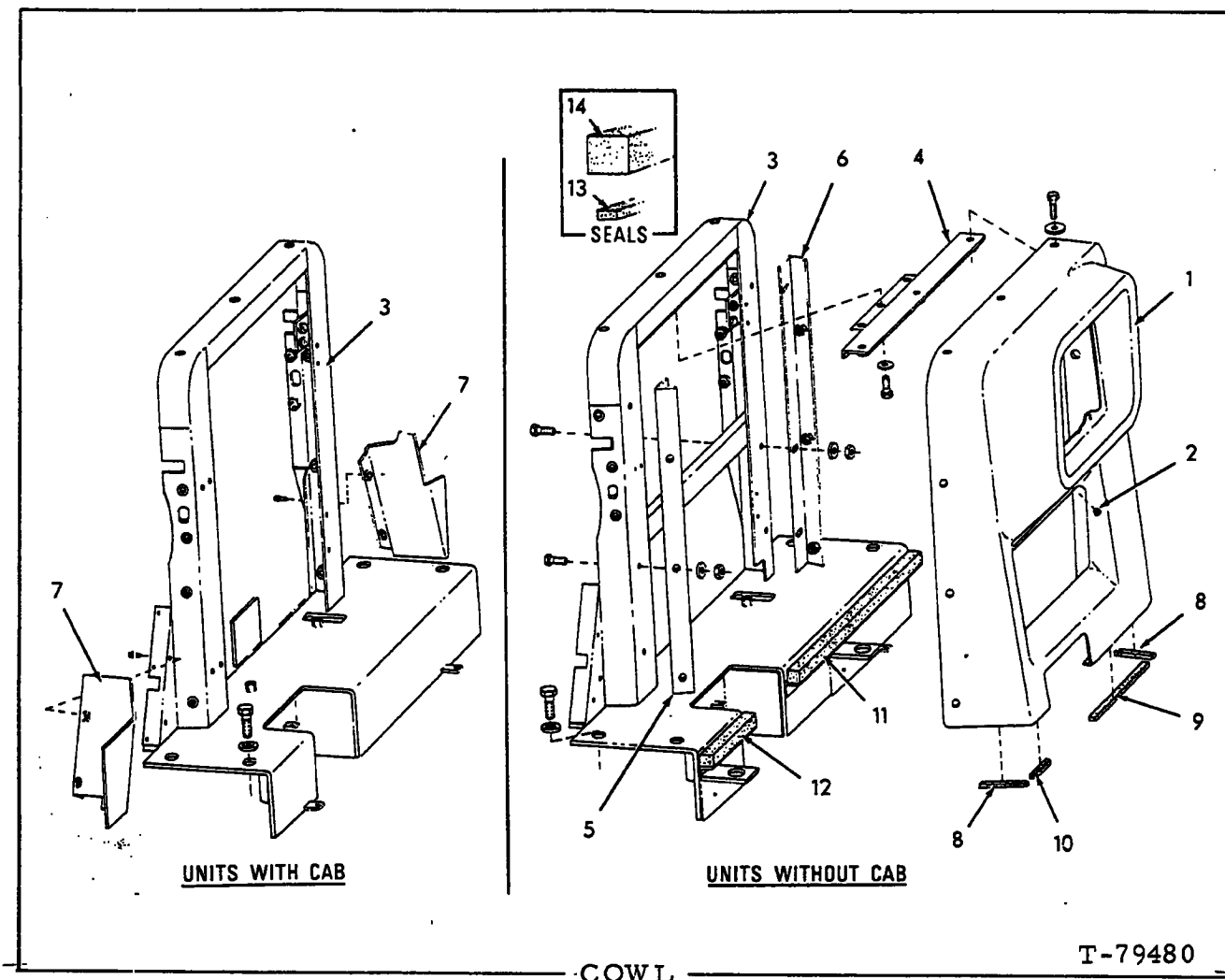
** Design "B"

ITEM PART NO. QTY. DESCRIPTION

* **

NOTE: This Light Assembly is available in two designs. Check illustration to determine which is applicable to your unit and order service parts accordingly.

-	70621429	2	2	LIGHT ASSY. (Includes items 1 thru 7)	
1	70182763	1	1	SEALED BEAM (24 volt).	
2	70621428	1	-	RETAINER	
	70638282	-	1	RETAINER	
3	-----	1	-	BODY	} Not serviced separately
	-----	-	1	BODY (Includes receptacle)	
4	70621724	2	-	CABLE	
5	70695694	-	1	INSULATOR PACKAGE	
6	70912731	2	2	SCREW, machined, rd-hd., #8NC x 5/16"	
	70912739	-	2	LOCKWASHER, #8	
7	70048922	-	1	SPRING	



* Units without CAB
 ** Units with CAB
 Δ Units without CAB
 ΔΔ Units with CAB

} Tractors prior to serial No. 71A21579 excluding 21491.
 } Tractors serial No. 71A21579 and up including 21491.

ITEM	PART NO.	QUANTITY				DESCRIPTION
		*	**	Δ	ΔΔ	
1	70689597	1	-	-	-	COWL
	73112983	-	-	1	-	COWL
	70920574	9	-	-	-	CAPSCREW, 1/2" NC x 1-3/8"
	70920582	-	-	9	-	CAPSCREW, 1/2" NC x 1-1/4"
	70092163	9	-	9	-	WASHER
	70927294	-	-	12	-	WASHER, shimming (Use as required)
2	70917676	6	-	6	-	PLUG (Not used on units equipped with VANDALISM PREVENTION PARTS)
3	70689644	1	-	-	-	SUPPORT
	70698506	-	1	-	1	SUPPORT
	73112770	-	-	1	-	SUPPORT
	70922743	4	3	4	3	CAPSCREW, 3/4" NC x 2"
	70677012	4	3	4	3	WASHER

(Continued)

(Revised May 1982)

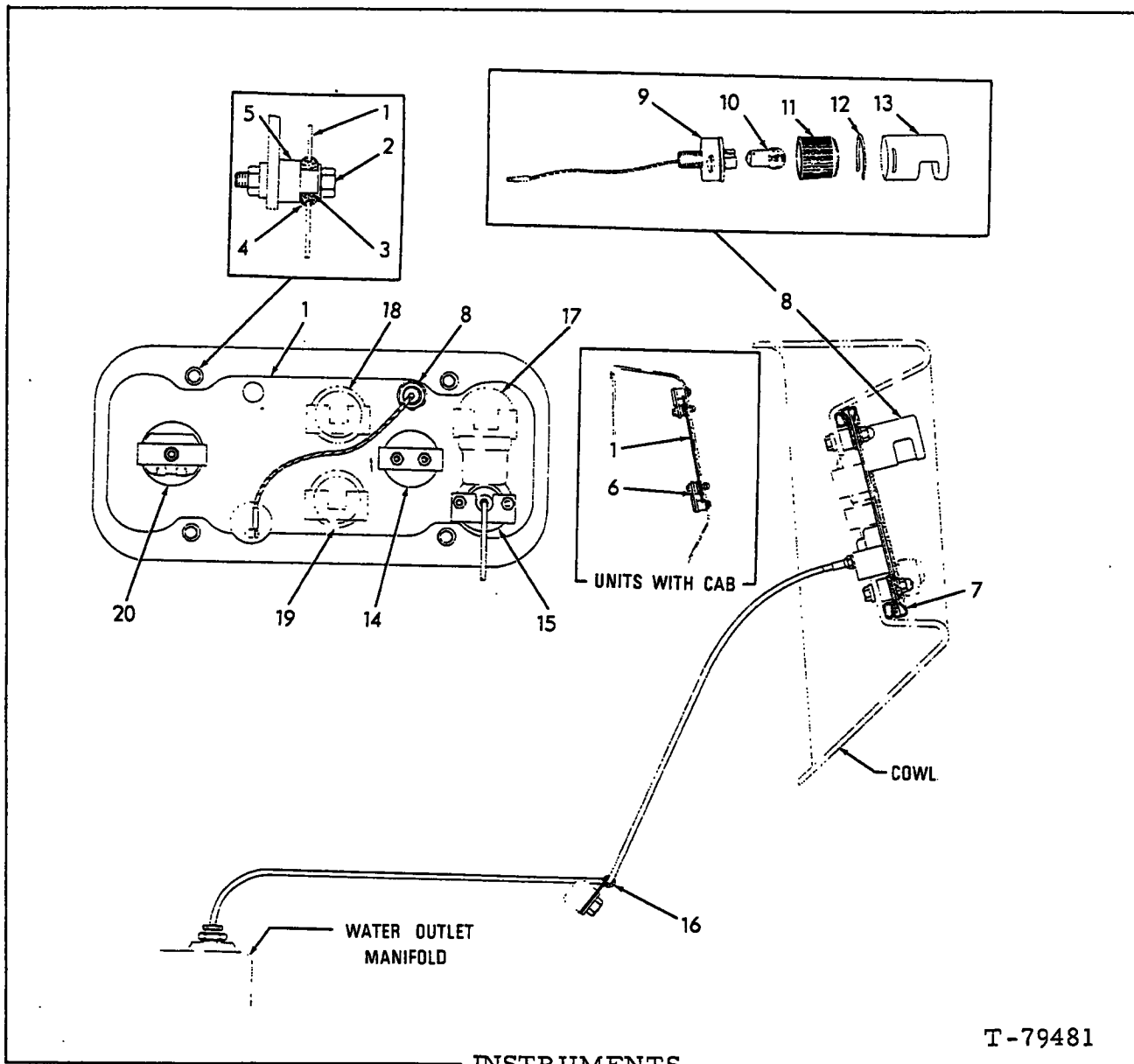
COWL (Continued)

ITEM	PART NO.	QUANTITY				DESCRIPTION
		*	**	Δ	ΔΔ	
4	73112897	-	-	1	-	ZEE
	70920582	-	-	3	-	CAPSCREW, 1/2" NC x 1-1/4"
	70677008	-	-	3	-	WASHER
5	73112899	-	-	1	-	ANGLE, left
6	73112902	-	-	1	-	ANGLE, right
	70920582	-	-	6	-	CAPSCREW, 1/2" NC x 1-1/4"
	70677008	-	-	6	-	WASHER
	70911028	-	-	6	-	NUT, 1/2" NC
7	73107475	-	1	-	1	PLATE, left
	73107476	-	1	-	1	PLATE, right
	70931646	-	4	-	4	CAPSCREW, self-locking, 1/4" NC x 1/2"
8	-----	2	-	2	-	SEAL (5-3/4" long)
9	-----	1	-	1	-	SEAL (14-1/2" long)
10	-----	1	-	1	-	SEAL (3-5/8" long)
11	-----	1	-	1	-	SEAL (29-1/8" long)
12	-----	1	-	1	-	SEAL (9-13/16" long)
13	-----	-	-	-	-	SEAL (28" long)
14	-----	-	-	-	-	SEAL (335" long)

Order item 13

Order item 14

Use as required. Cut to proper length.



T-79481

INSTRUMENTS

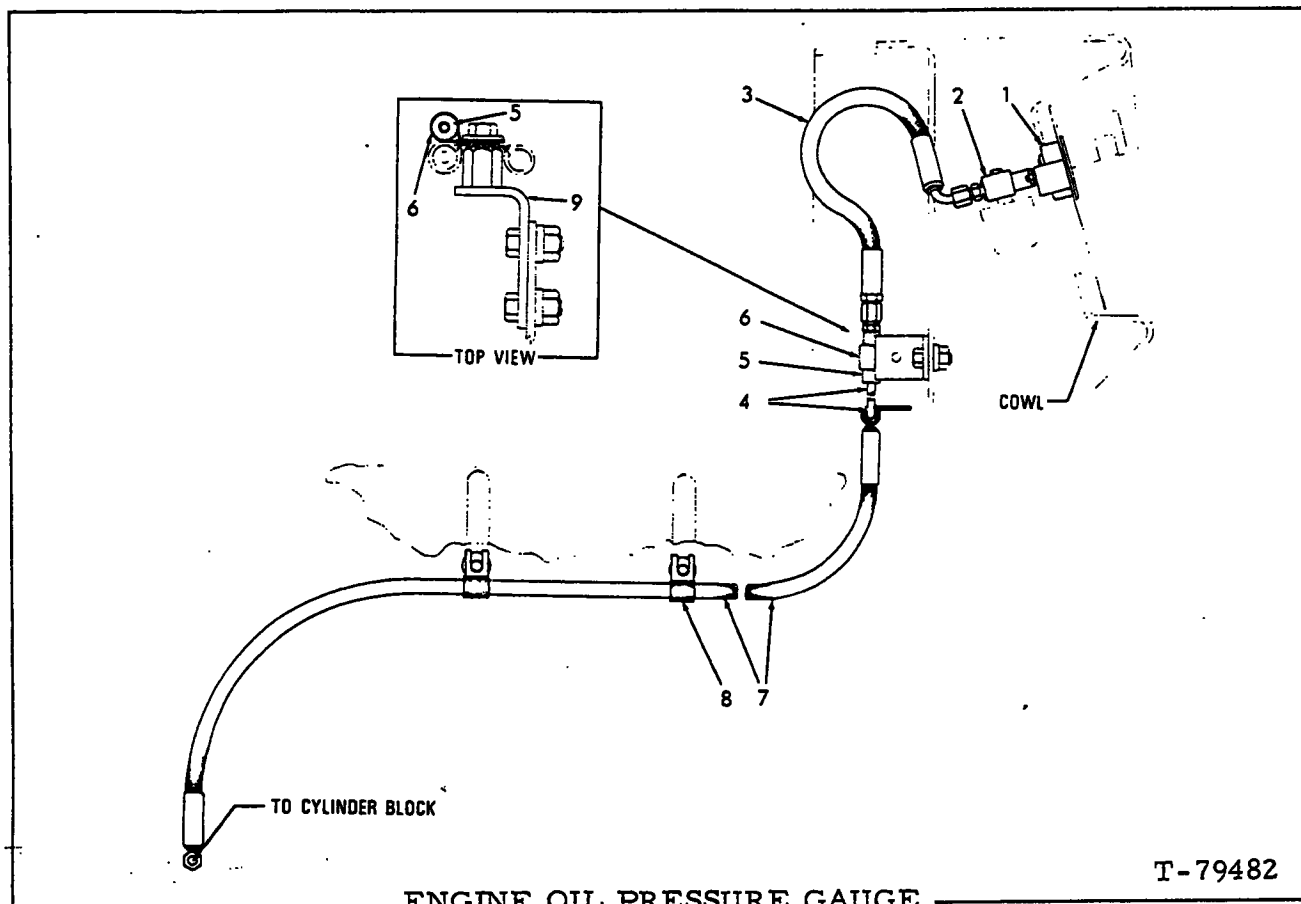
ITEM	PART NO.	QTY.	DESCRIPTION
1	70689623	1	PLATE
2	70931787	4	CAPSCREW, 1/4" NC x 1-1/2"
	70911114	4	WASHER
	70930735	4	WASHER
	70911024	4	NUT, 1/4" NC
3	70698697	4	SLEEVE
4	70913233	4	GROMMET
5	70696515	4	SPACER
6	73107479	2	PLATE (Units equipped with a cab)
	70931787	4	CAPSCREW, 1/4" NC x 1-1/4"
	70930735	4	WASHER

(Continued)

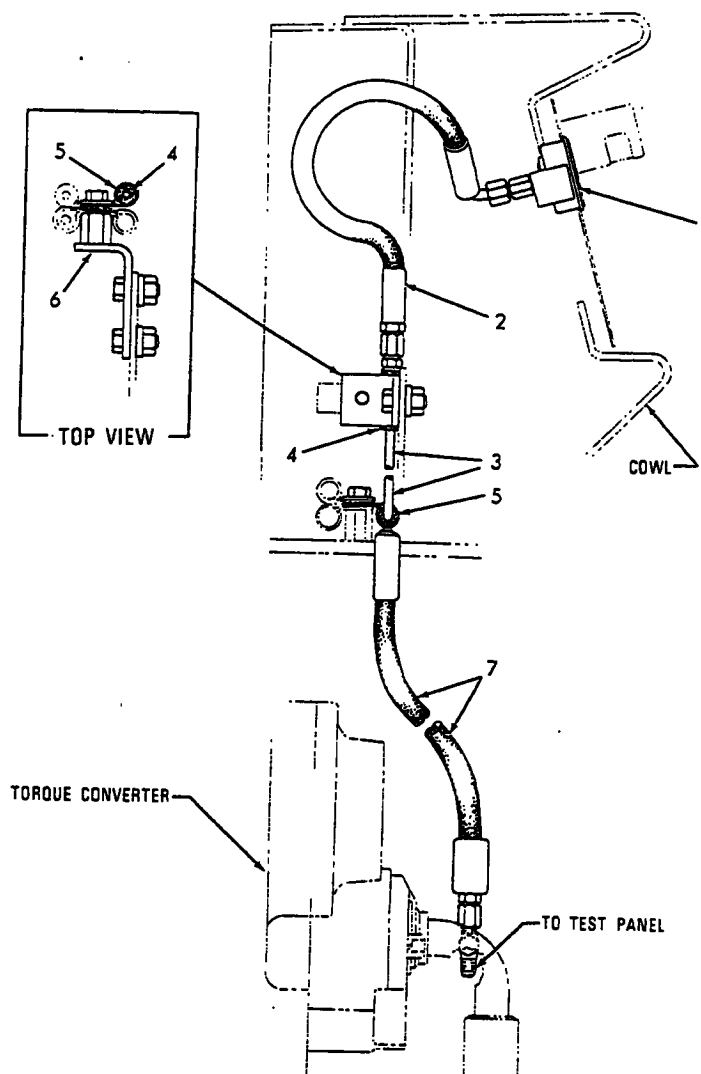
INSTRUMENTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	70691986	1	SEAL (75" long)(Cut to length)(Not used on units with CAB)
8	70693634	1	LIGHT ASSY. (Includes items 9 thru 13)
	70910334	1	LOCKWASHER, int-tooth, 5/8"
	70911049	1	NUT, jam, 5/8" NF
9	-----	1	BASE ASSY. (Not serviced separately)
10	70074452	1	BULB, 6 candle power
	73115057	1	BULB, 3 candle power
11	70095267	1	LENS, clear
	73115058	1	LENS, blue
12	70095265	1	SPRING
13	70693636	1	COVER
14	70696656	1	VOLTMETER
15	70695982	1	THERMO GAUGE
16	70639312	1	CLIP
	70922763	1	CAPSCREW, 3/8" NC x 1"
	70929156	1	WASHER
17	-----	1	GAUGE (See page 208)
18	-----	1	GAUGE (Tractors prior to unit #21286)(See page 209)
	70921193	1	PLUG (Tractors unit #21286 and up)
19	-----	1	GAUGE (See page 210)
20	70699126	1	HOUR METER (Includes mounting clamp)

NOTE: Meter carries manufacturer's warranty and in case of failure should not be returned to Fiat-Allis. Return to nearest "Stewart Warner" agency.



ITEM	PART NO.	QTY.	DESCRIPTION
1	70691745	1	GAUGE
2	70094450	1	TEE
	70917673	1	PLUG, pipe, hex-socket, 1/8"NPT
3	70694873	1	HOSE (See HOSE PARTS)
	70919171	1	CONNECTOR, flare type, 1/4"tube, 1/8"NPT male
4	70684595	1	TUBE ASSY. (Includes nuts) (Tractors prior to unit #21579 excluding #21491)
	73112900	1	TUBE ASSY. (Includes nuts) (Tractors unit #21579 and up including #21491)
5	70093972	3	BOOT
6	70047381	3	CLIP
	70922763	3	CAPSCREW, 3/8"NC x 1"
	70929156	3	WASHER
7	70697716	1	HOSE (See HOSE PARTS)
	70919140	1	CONNECTOR, flare type, 1/4"tube, 1/4"NPT male
8	70620035	2	CLIP
	70922262	2	CAPSCREW, 3/8"NC x 7/8"
	70677006	2	WASHER
9	70678236	1	ANGLE
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70677006	2	WASHER
	70911026	2	NUT, 3/8"NC

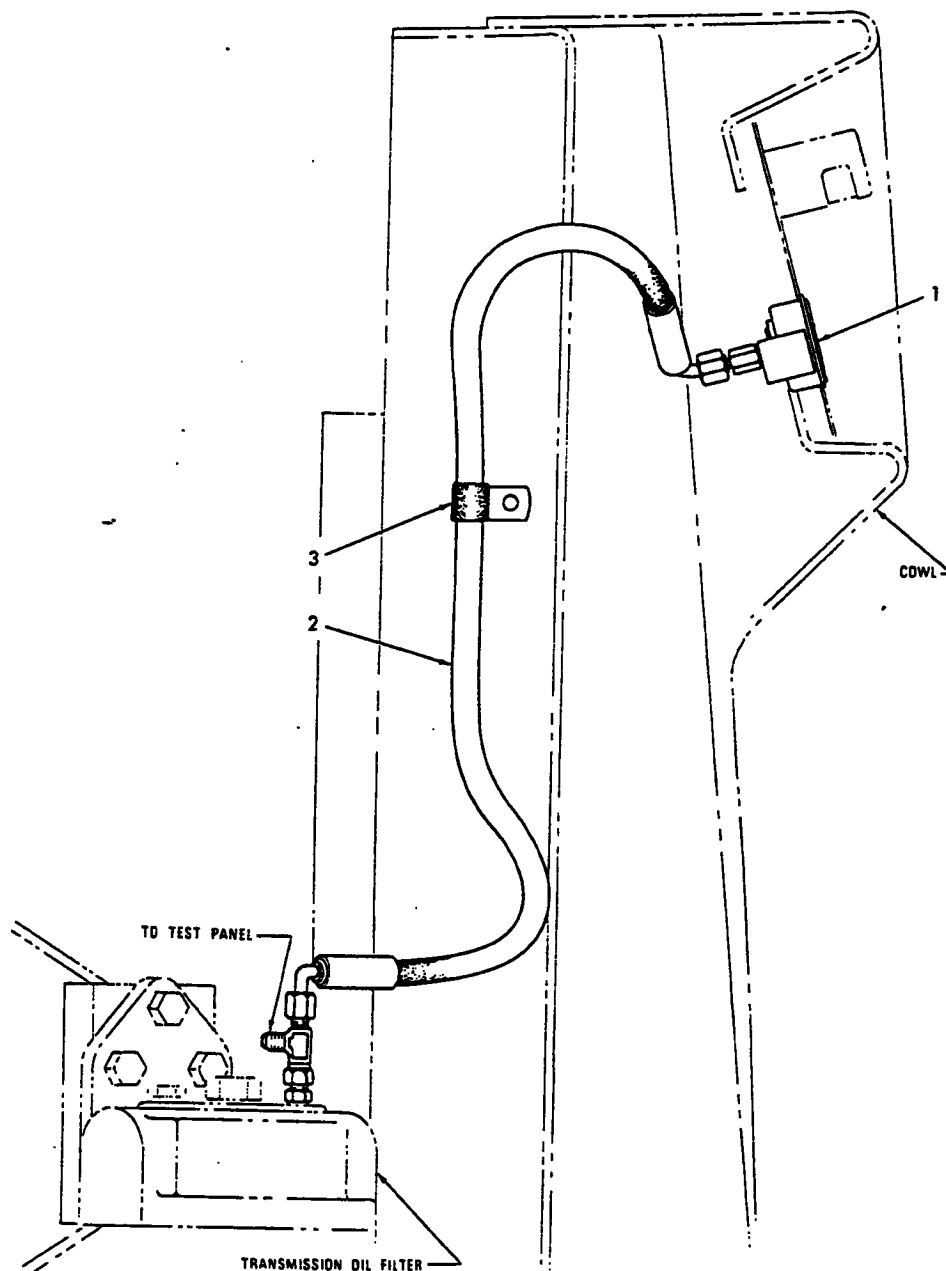


T-79483

TRANSMISSION LUBRICATING PRESSURE GAUGE

USAGE: Tractors prior to serial No. 71A21286

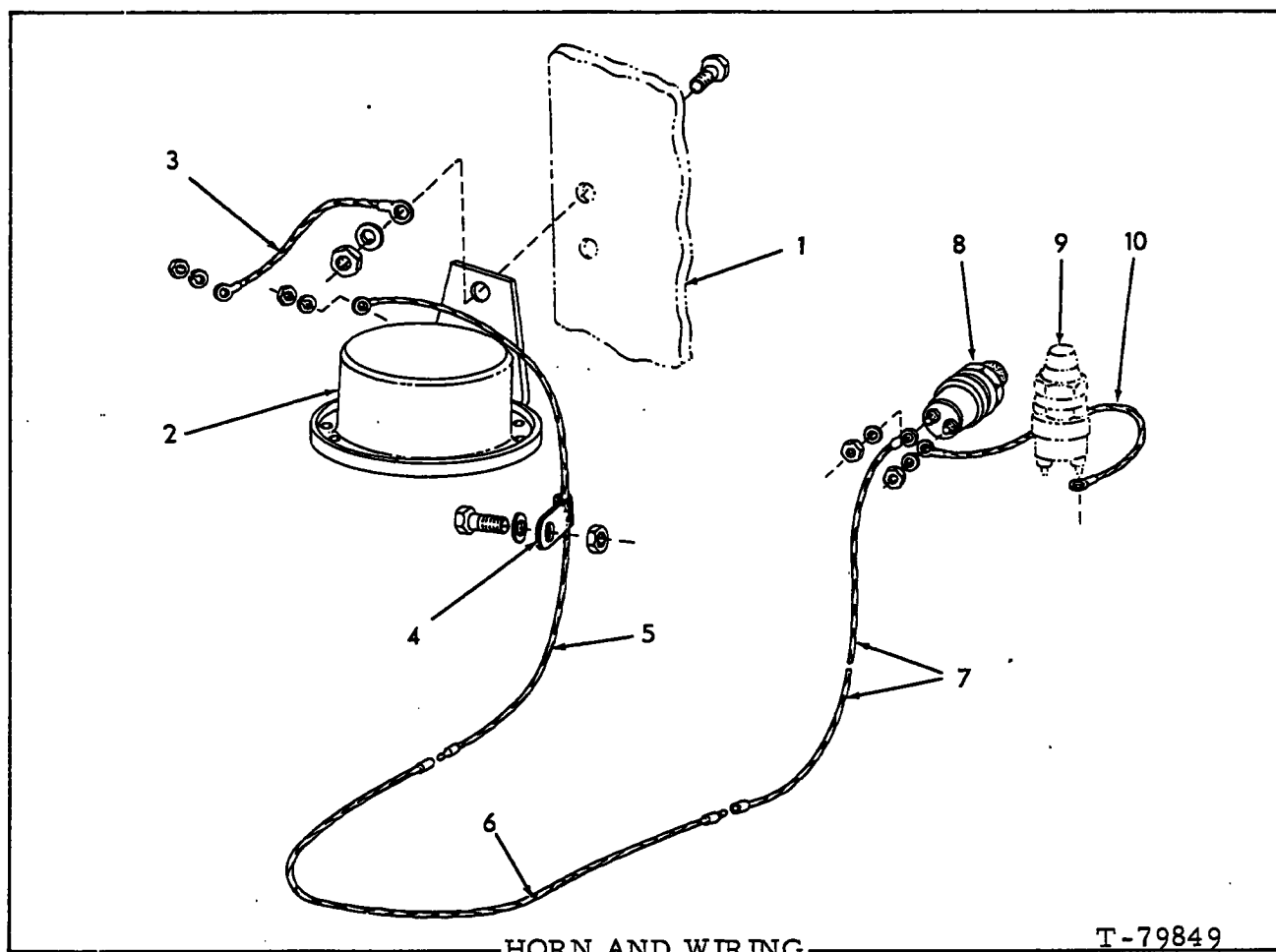
ITEM	PART NO.	QTY.	DESCRIPTION
1	70695985	1	GAUGE
2	70666557	1	HOSE (See HOSE PARTS)
	70919174	1	CONNECTOR, flare type, 1/4"tube, 1/8"NPT female
3	70684595	1	TUBE ASSY. (Includes nuts)
4	70093972	3	BOOT
5	70047381	3	CLIP
	70922763	3	CAPSCREW, 3/8"NC x 1"
	70929156	3	WASHER
6	70687236	1	ANGLE
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70677006	2	WASHER
	70911026	2	NUT, 3/8"NC
7	70658637	1	HOSE (See HOSE PARTS)
	70922521	1	TEE, swivel, flare type, 1/4" tube, 7/16" straight thread (Includes nut)



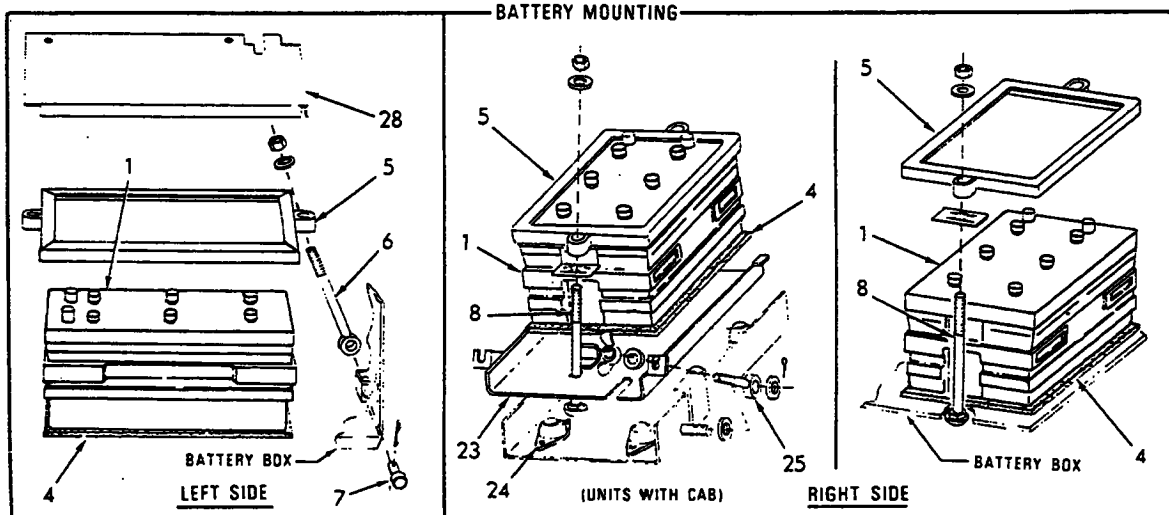
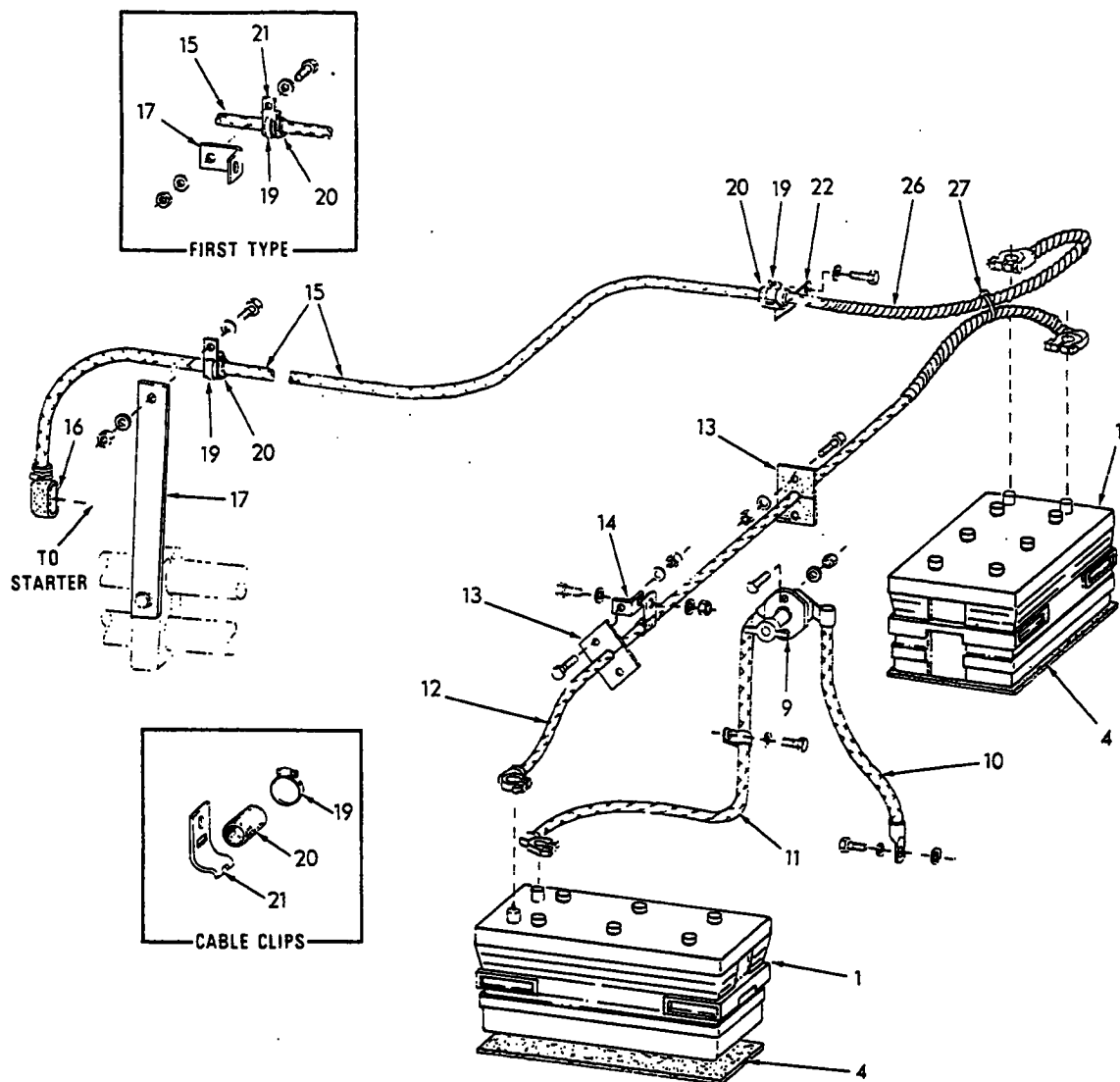
TRANSMISSION OIL PRESSURE GAUGE

T-79484

ITEM	PART NO.	QTY.	DESCRIPTION
1	70695987	1	GAUGE
2	70694872	1	HOSE (See HOSE PARTS)
	70919174	1	CONNECTOR, flare type, 1/4" tube, 1/8" NPT female
	70926975	1	TEE, swivel, flare type, 1/4" tube, 7/16" straight thread (Includes nut)
	70919140	1	CONNECTOR, flare type, 1/4" tube, 1/4" NPT male
3	70927599	1	CLIP



ITEM	PART NO.	QTY.	DESCRIPTION	
1	-----	1	COWL (See page 205)	
2	73107839	1	HORN	
	70927401	2	CAPSCREW, 1/4"NC x 1"	
	70928138	2	CAPSCREW, 1/4"NC x 5/8" (Units with CAB only)	
	70677004	2	WASHER, plain	
	70900365	2	NUT, 1/4"NC	
3	70697529	1	CABLE	
	70909055	1	LOCKWASHER, #10	
	70917415	1	NUT, #10-32 NF	
4	70928176	1	CLIP	
	70922763	1	CAPSCREW, 3/8"NC x 1"	} Units with CAB only
	70929156	1	WASHER	
	70900367	1	NUT, 3/8"NC	
5	73108455	1	CABLE	
	70909055	1	LOCKWASHER, #10	
	70917415	1	NUT, #10-32NF	
6	70671709	1	CABLE	
7	70688282	1	CABLE	
8	70253322	1	SWITCH ASSY., horn (Serviced only as a unit)	
9	-----	1	SWITCH ASSY., starter (See page 201)	
10	70095860	1	CABLE	



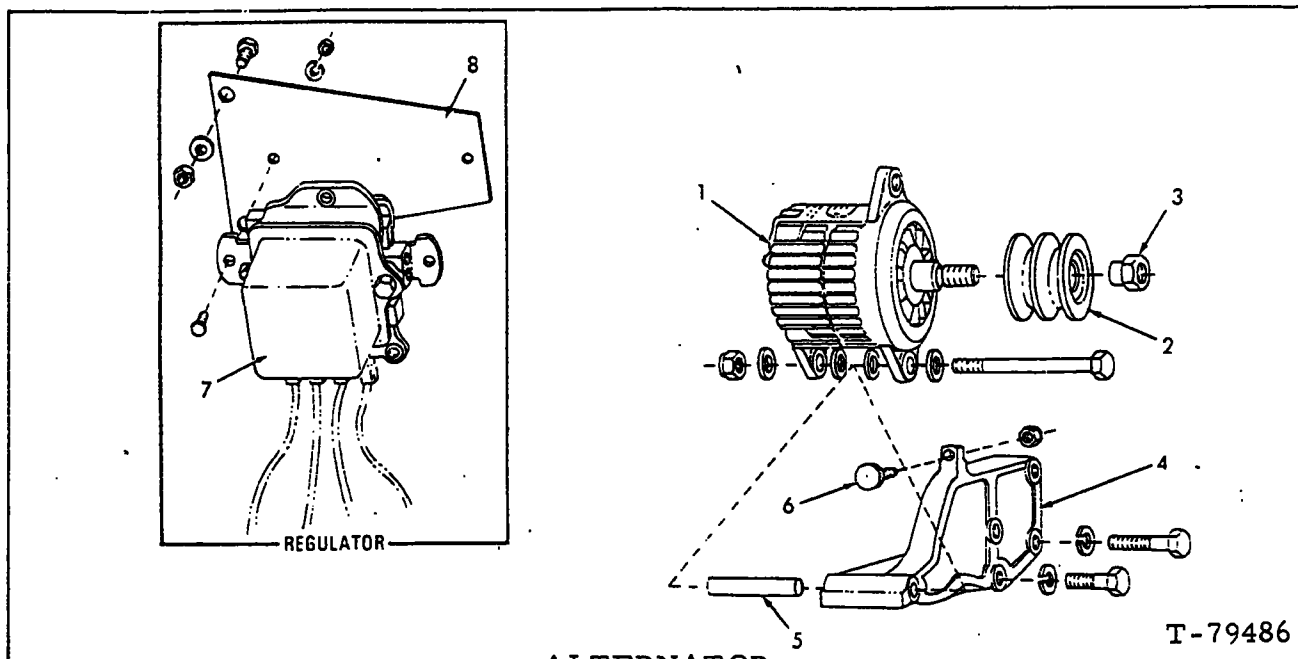
BATTERIES AND CABLES

ITEM	PART NO.	QTY.	DESCRIPTION
1	70695472	2	BATTERY, 12 volts, dry charged (Each requires 16.2 qts. electrolyte)
2	70243526	1	ELECTROLYTE (One 6-qt. container with self-contained dispensing hose)
	70243527	1	ELECTROLYTE (One 5-gal. container less dispensing hose)
3	70243528	1	HOSE (For use with 5-gal. container)(Reusable)
4	70085680	2	PAD
5	70663727	2	HOLD-DOWN
6	70605801	2	ROD
	70677008	2	WASHER
	70911043	2	NUT, 1/2" NF
7	70049993	2	PIN
	70900806	2	PIN, cotter, 1/8" x 1"
8	70930892	2	BOLT, carriage, 1/2" NC x 10"
	70677008	2	WASHER
	70911028	2	NUT, 1/2" NC
	70922476	2	NUT, speed, 1/2"
9	70096908	1	SWITCH ASSY. (Serviced only as a unit)
	70927541	2	CAPSCREW, 1/4" NC x 3/4"
	70910285	2	WASHER
	70911024	2	NUT, 1/4" NC
10	70691337	1	CABLE (13" long)
	70922300	1	CAPSCREW, 3/8" NC x 3/4"
	70929156	1	WASHER
	70906960	1	LOCKWASHER, 3/8"
11	70691331	1	CABLE (29" long)
12	70691321	1	CABLE
13	70691317	2	BAFFLE
	70921076	4	CAPSCREW, 3/8" NC x 1-1/4"
	70683421	4	WASHER
	70915891	4	NUT, elastic stop, 3/8" NC
14	70638397	1	ANGLE
15	70691326	1	CABLE (91-1/2" long)
16	70076572	1	BOOT
	70922660	1	CLAMP, 13/16" to 1-1/2" diam.
17	70654811	1	ANGLE (Tractors prior to unit #21662)
	70659828	1	STRIP (Tractor unit #21662 and up)
18	70927154	3	CLAMP, insulated (One less used on units equipped with CABS)
	70922300	2	CAPSCREW, 3/8" NC x 3/4" (One less used on units equipped with CABS)
	70922763	1	CAPSCREW, 3/8" NC x 1"
	70929156	4	WASHER (One less used on units equipped with CABS)
	70911026	1	NUT, 3/8" NC
19	70921911	5	CLAMP (11/16" to 1-1/4" diam.)(One less used on units equipped with CABS)
20	70076469	5	BOOT (One less used on units equipped with CABS)

(Continued)

BATTERIES AND CABLES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
21	70633653	4	CLIP	
	70922300	1	CAPSCREW, 3/8"NC x 3/4"	
	70922763	1	CAPSCREW, 3/8"NC x 1"	
	70929156	2	WASHER	
	70911026	1	NUT, 3/8"NC	
22	70694861	1	CLIP	} Not used on units equipped with CAB
	70922300	1	CAPSCREW, 3/8"NC x 3/4"	
	70929156	1	WASHER	
23	73107042	1	TRAY	} Components of Cab Control Tower Assy
24	73107045	6	ROLLER	
	70930594	12	CAPSCREW, self-locking, 1/4"NC x 3/4"	
25	70065935	2	BOLT, eye	} Units equipped with CAB
	70677008	2	WASHER	
	70928178	4	WASHER	
	70915018	2	NUT, wing	
	70900805	2	PIN, cotter	
26	70931458	-	COIL, plastic (Use as required)	
27	70196765	1	STRAP	
28	70698730	1	COVER	



ALTERNATOR

* Standard (20 amp.) (Prior to S/N71A21947)

** Standard (45 amp.) (S/N71A21947 and up)

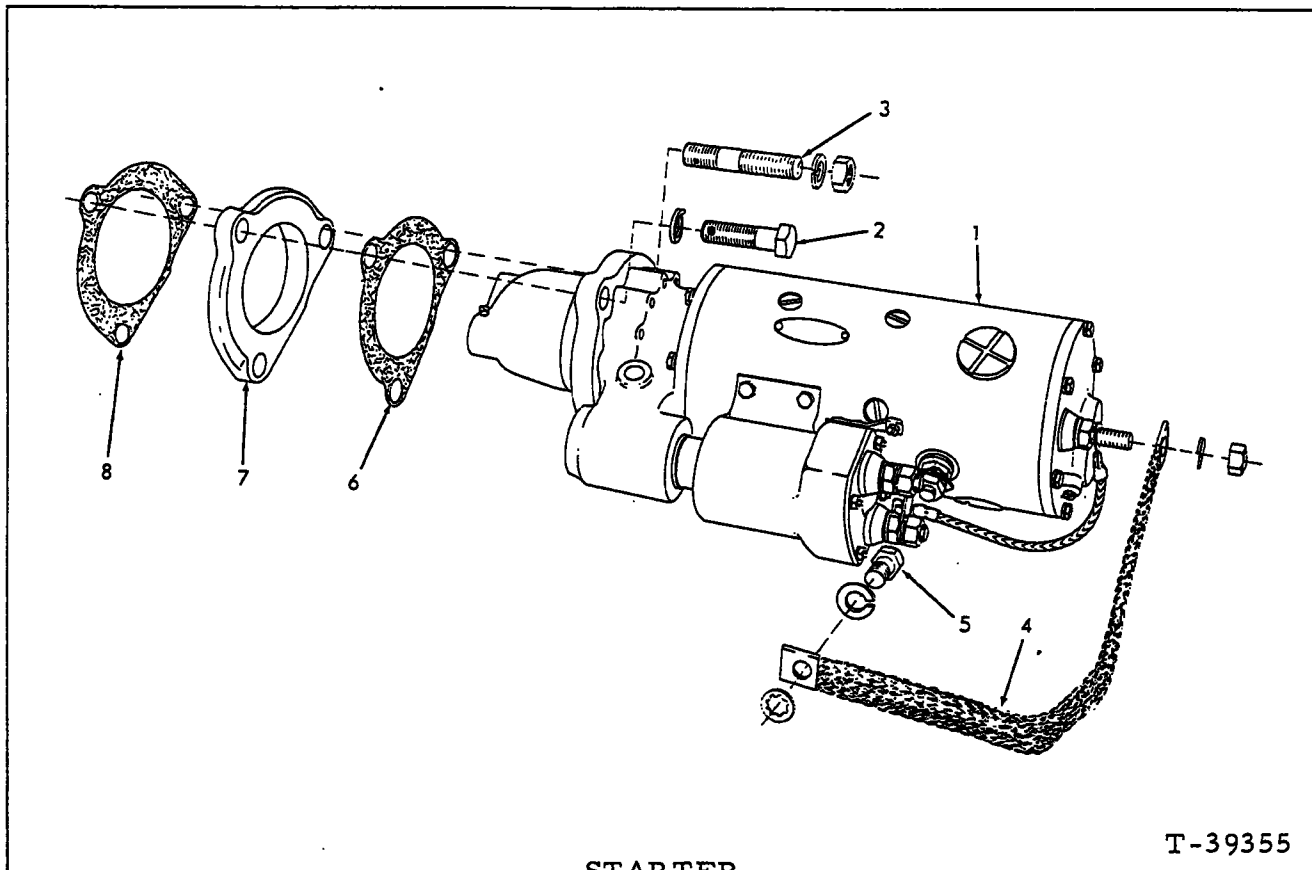
*** Optional (50 amp.)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	70660144	1	-	-	ALTERNATOR (Delco-Remy 1100062)
	73119134	-	1	-	ALTERNATOR (Delco-Remy 1117645)
	70699268	-	-	1	ALTERNATOR (Delco-Remy 1117248)
	73119995	-	-	1	ALTERNATOR (Delco-Remy 1117254)
	70925661	1	1	1	CAPSCREW, nylok, 1/2" NC x 6-1/4"
	70928844	4	4	4	WASHER
	70915972	4	4	4	NUT, elastic stop, 1/2" NC
2	70667234	1	1	1	PULLEY (See page 84 for driving belts)
3	70667188	1	1	1	NUT
4	70684418	1	1	1	BRACKET
	70924864	1	1	1	CAPSCREW, 1/2" NC x 2-1/4"
	70921598	3	3	3	CAPSCREW, 1/2" NC x 3"
	70912441	4	4	4	LOCKWASHER, 1/2"
5	70695143	1	1	1	BUSHING
6	70677885	1	1	1	BUTTON
	70911327	1	1	1	NUT, jam, 1/4" NC
7	70650944	1	-	-	REGULATOR ("Delco-Remy #1119518) (See note below)
	70928138	2	-	-	CAPSCREW, 1/4" NC x 5/8"
	70910235	2	-	-	LOCKWASHER, 1/4"
	70911024	2	-	-	NUT, 1/4" NC
8	70683152	1	-	-	PLATE
	70922763	2	-	-	CAPSCREW, 3/8" NC x 1"
	70677006	2	-	-	WASHER
	70900367	2	-	-	NUT, 3/8" NC

See NOTE below

NOTE: See Electrical Components Parts Catalog for service breakdown.

(Revised April 1980)

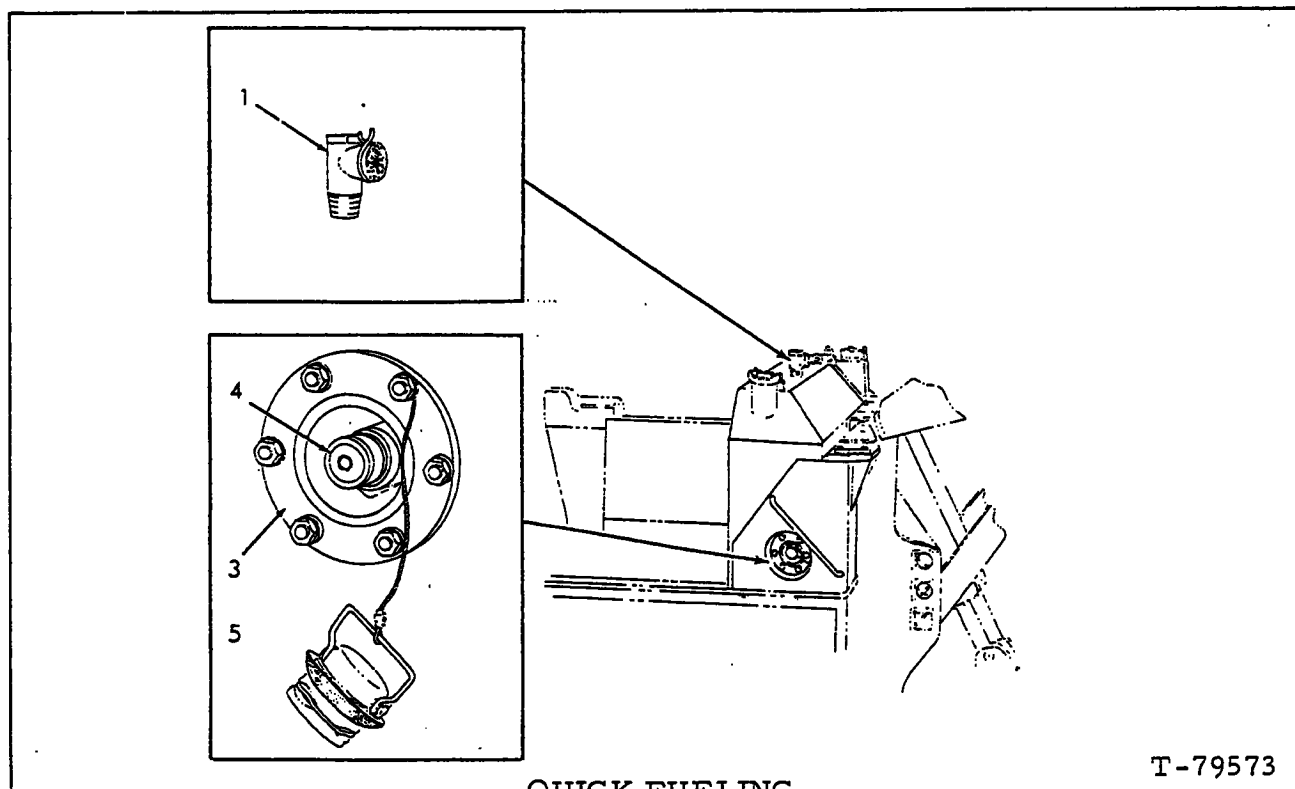


ITEM PART NO. QTY. DESCRIPTION

1	73117237	1	MOTOR ("Delco-Remy" #1113898) (Standard)
	70620350	1	MOTOR ("Delco-Remy" #1109986) (Heavy-duty)
2	70928839	2	CAPSCREW, Nylok, 5/8"NC x 2-1/4"
3	70648262	1	STUD, Nylok, 5/8"NC x 5/8"NF x 3-1/8"
	70912942	3	LOCKWASHER, 5/8"
	70911044	1	NUT, 5/8"NF

NOTE: See Electrical Components Parts Catalog
for service breakdown

4	70653648	1	CABLE
5	70921175	1	CAPSCREW, 1/2"NC x 1"
	70677008	1	WASHER
	70906961	1	LOCKWASHER, int-tooth, 1/2"
6	70631573	1	GASKET
7	70631574	1	ADAPTER
8	70631572	1	GASKET



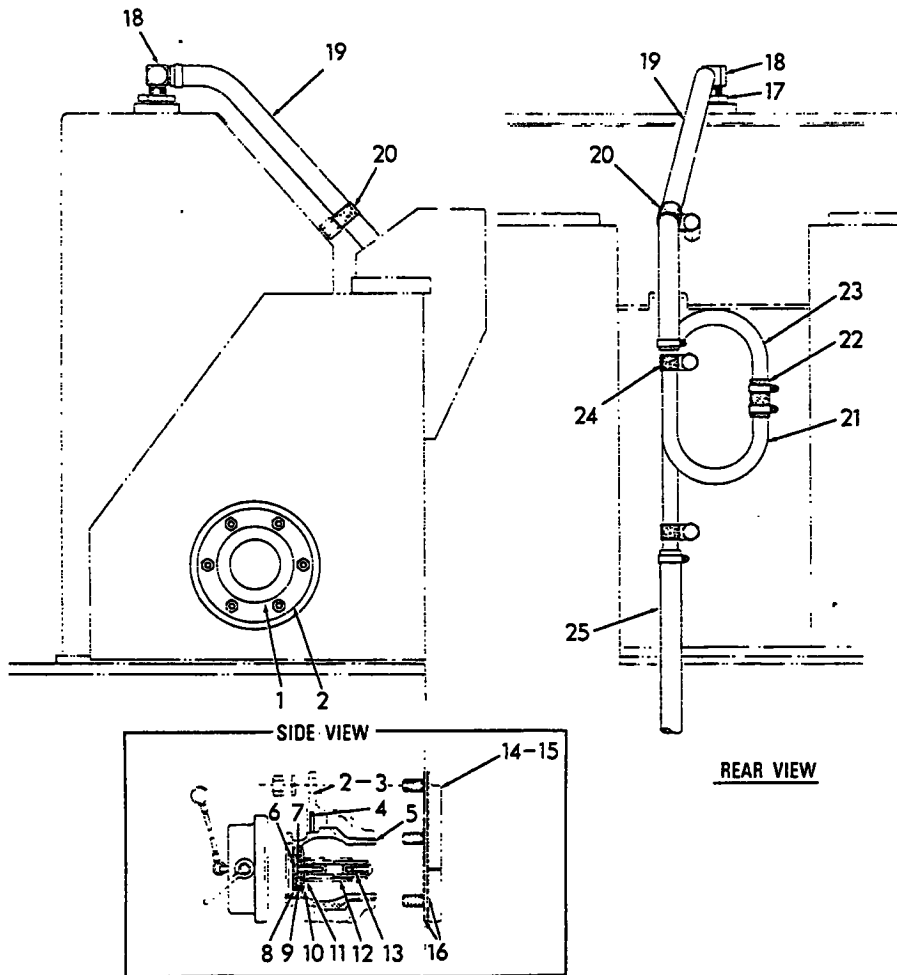
T-79573

QUICK FUELING

USAGE: Special equipment. See page 218 for optional design?

ITEM	PART NO.	QTY.	DESCRIPTION
1	70697463	1	VENT ASSY. (Serviced only as a unit)
2	70697464	1	NIPPLE AND FLANGE ASSY. (Includes CAP and items 3 thru 5)
3	70697465	1	FLANGE
4	70697466	1	NIPPLE ASSY.
5	70697467	1	CAP ASSY.
			} Each serviced only as a unit

NOTE: See PAINTING AND MARKING for transfer



QUICK FUELING

T-79574

USAGE: Special equipment. See page 217 for optional design.

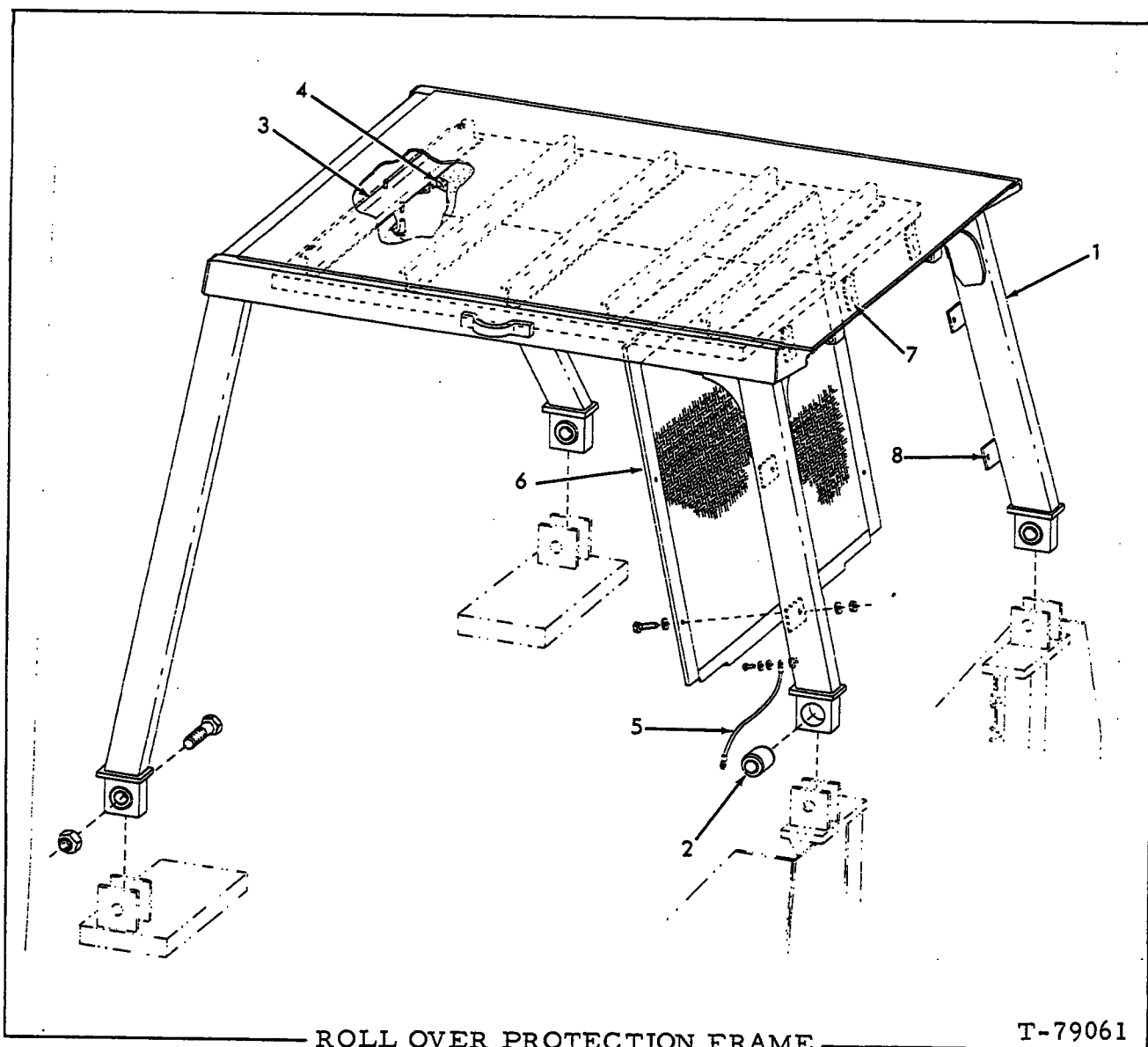
ITEM	PART NO.	QTY.	DESCRIPTION
1	73100012	1	CAP
2	73100013	1	ADAPTER ASSY. (Includes items 3 thru 13)
3	-----	1	HOUSING (Order item 2)
4	73100017	1	O-RING
5	-----	1	ADAPTER (Order item 2)
6	73100024	2	SCREW
7	73100025	1	GASKET
8	73100023	1	PLATE
9	73100026	1	SEAL
10	73100027	1	PLATE
11	73100029	2	WASHER
12	73100028	1	SPRING
13	73100030	1	STEM

(Continued)

QUICK FUELING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
14	73100014	1	FLANGE ASSY. (Includes items 15, 16 and hardware indented below)
	70919350	6	SETSCREW, 1/2"NC x 2"
	70904208	6	LOCKWASHER, 1/2"
	70910325	6	NUT, 1/2"NC
15	-----	2	FLANGE (Order item 14)
16	73100021	2	GASKET
17	70901850	1	BUSHING, pipe, 2" x 1"
18	70925058	1	ELBOW
19	70695286	1	HOSE
	70922660	2	CLAMP, 13/16" to 1-1/2" diam.
20	70927265	1	CLAMP
	70921175	1	CAPSCREW, 1/2"NC x 1"
	70677008	1	WASHER
21	70685557	1	TUBE
22	70671990	1	HOSE
	70922660	2	CLAMP, 13/16" to 1-1/2" diam.
23	70671126	1	TUBE
24	70927264	2	CLAMP
	70921175	2	CAPSCREW, 1/2"NC x 1"
	70677008	2	WASHER
25	70695287	1	HOSE
	70922660	1	CLAMP, 13/16" to 1-1/2" diam.

NOTE: See PAINTING AND MARKING for transfer



USAGE: Sepical equipment prior to January 1977; standard equipment thereafter.

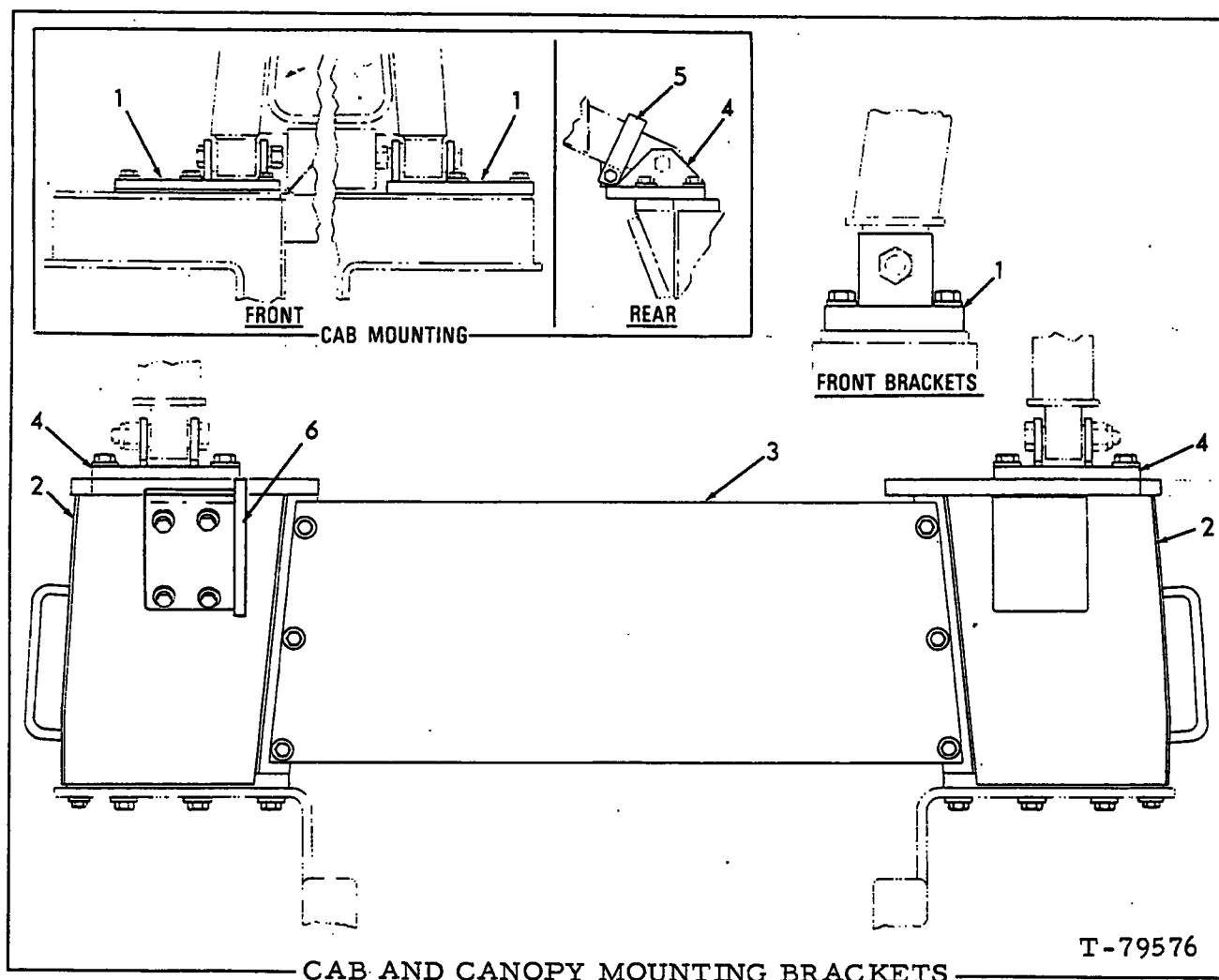
ITEM	PART NO.	QTY.	DESCRIPTION
1	70691906	1	FRAME (Includes item 2)
	70688849	4	CAPSCREW, 1-1/4"NC x 7"
	70917792	4	NUT, elastic stop, 1-1/4"NC
2	70684837	4	BUSHING
3	70698363	5	CHANNEL
	70928532	10	CAPSCREW, drilled hd., 3/8"NC x 3/4"
	70677006	10	WASHER
	70023633	10	LOCKWIRE
4	70698365	1	INSULATION, rear
	70698364	1	INSULATION, front
	73064776	25	FASTENER

(Continued)

ROLL OVER PROTECTION FRAME (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	70093176	1	CABLE
	70922300	2	CAPSCREW, 3/8"NC x 3/4"
	70906960	2	LOCKWASHER, int-tooth, 3/8"
	70677006	2	WASHER
6	70692042	1	SCREEN (Units without RIPPER)
	70692055	1	SCREEN (Unite with RIPPER)
	70921556	7	CAPSCREW, 1/2"NC x 2"
	70677008	14	WASHER
	70911028	7	NUT, 1/2"NC
7	70685768	3	BAR
8	70686446	4	BAR

} Requires welding to install



CAB AND CANOPY MOUNTING BRACKETS

USAGE: Special equipment

* Units equipped with Canopy or non-ROPS Cab.
 ** Units equipped with ROPS Cab.

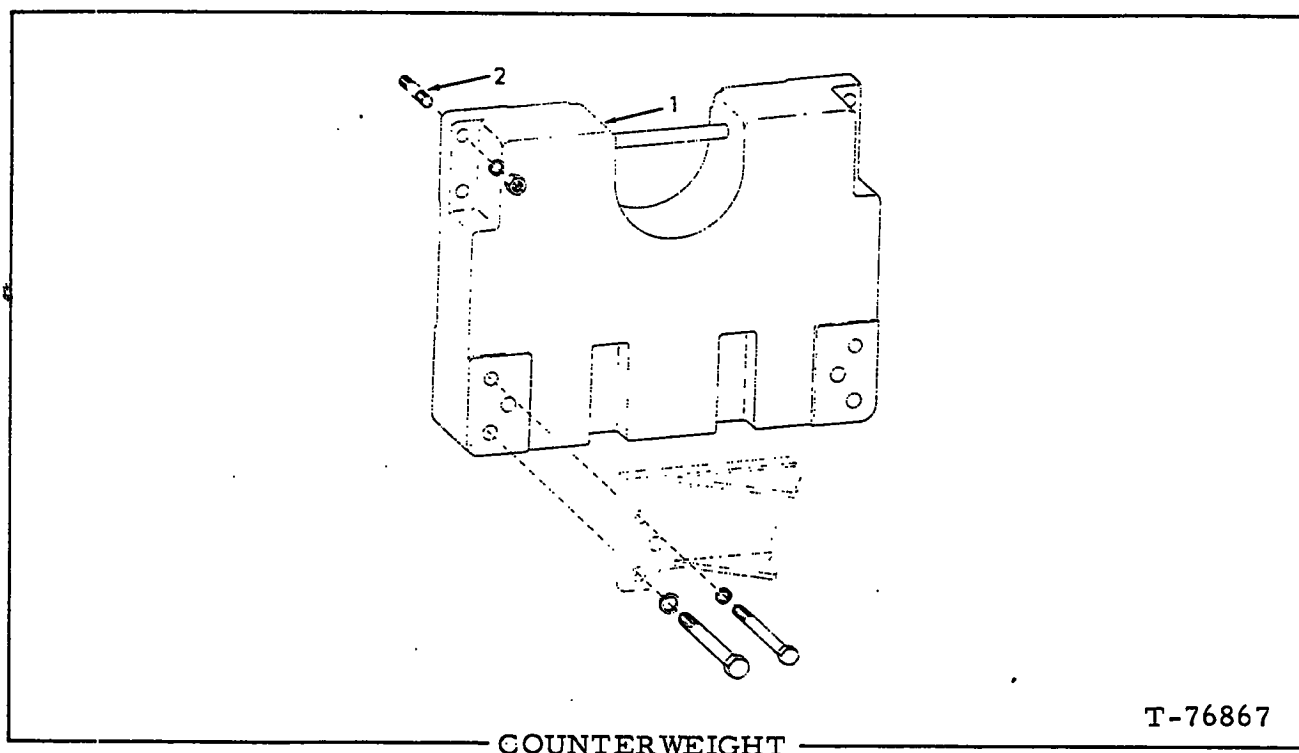
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70692028	2	-	BRACKET
	70927314	8	-	CAPSCREW, 1"NC x 3-1/2"
	70083318	8	-	WASHER
	73107365	-	1	BRACKET, left
	73107366	-	1	BRACKET, right
	70922789	-	1	CAPSCREW, 3/4"NC x 3"
	70927015	-	8	CAPSCREW, 1" NC x 3"
	70678072	-	8	WASHER
2	70697225	1	1	GUARD, left
	70697226	1	1	GUARD, right
	70922744	4	4	CAPSCREW, 3/4"NC x 2-1/2"
	70925381	6	6	CAPSCREW, 1"NC x 2-1/2"
	70677012	4	4	WASHER
	70678072	6	6	WASHER

(Continued)

CAB AND CANOPY MOUNTING BRACKETS (Continued)

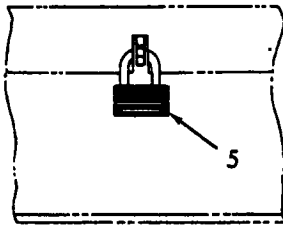
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
3	70692019	1 1	PLATE
	70925415	6 6	CAPSCREW, 3/4"NC x 1-3/4"
	70677012	6 6	WASHER
4	70697209	1 -	BRACKET, left
	70697210	1 -	BRACKET, right
	73107363	- 1	BRACKET, left
	73107364	- 1	BRACKET, right
	70927015	8 8	CAPSCREW, 1"NC x 3"
	70678072	8 8	WASHER
5	70699247	- 1	STRAP, cab hold-down
	70927879	- 1	CAPSCREW, 3/4"NC x 7-1/2"
	70911030	- 1	NUT, 3/4"NC
6	73109740	- 1	BRACKET
	70921068	- 4	CAPSCREW, 3/4"NC x 2-1/4"
	70677012	- 4	WASHER

NOTE: See PAINTING AND MARKING for transfer.

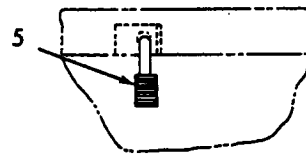


USAGE: Special equipment

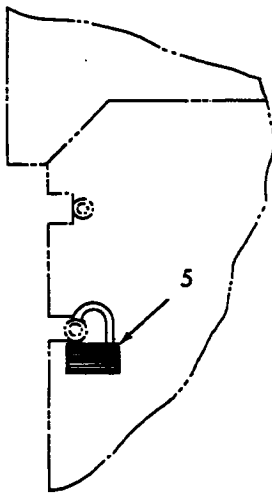
ITEM	PART NO.	QTY.	DESCRIPTION
1	70678188	1	COUNTERWEIGHT
	70927286	1	CAPSCREW, 1-1/4"NF x 14-1/2"
	70928453	1	WASHER
	70927287	4	CAPSCREW, 1/2"NC x 14-1/2"
	70931652	4	WASHER
2	70671727	4	STUD (6-3/4" long)
	70928453	4	WASHER
	70913097	4	NUT, 1-1/4"NF



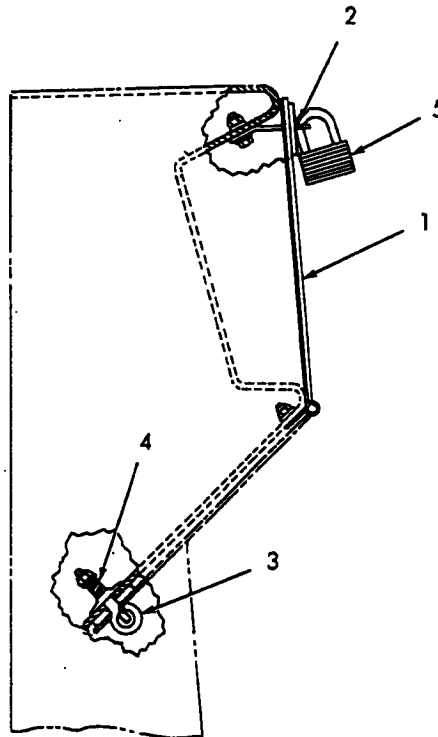
BATTERY BOX



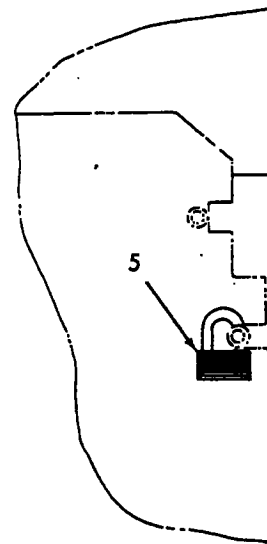
TRANSMISSION FILLER



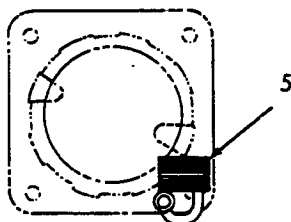
RIGHT HAND SIDE PLATE



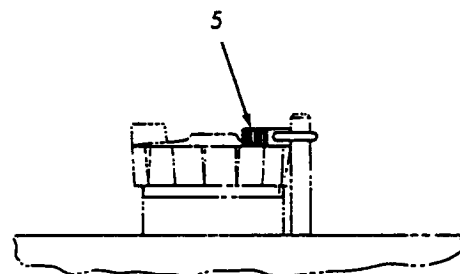
INSTRUMENT PANEL



LEFT HAND SIDE PLATE



HYDRAULIC TANK



FUEL TANK

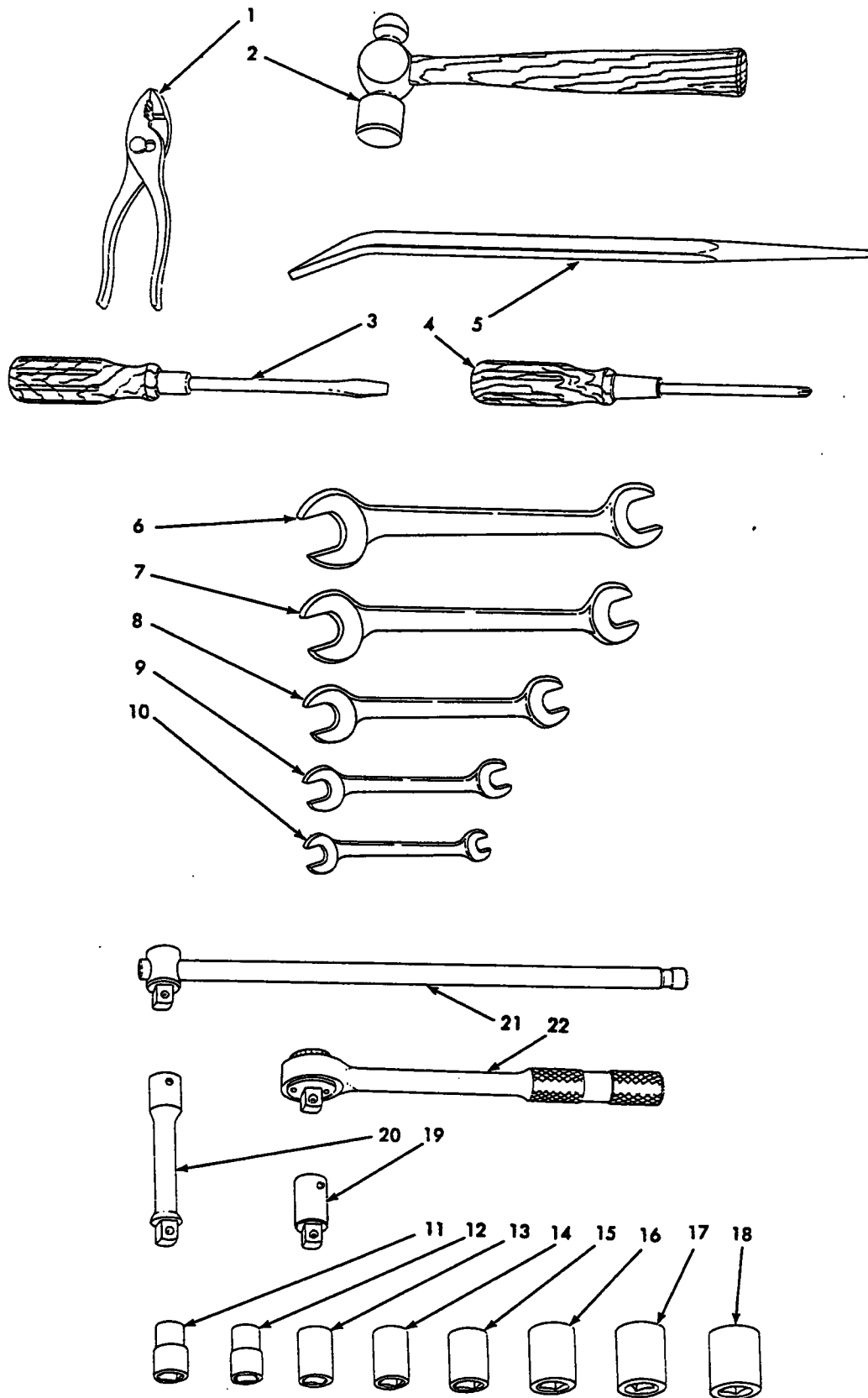
VANDALISM PREVENTION PARTS

USAGE: Special equipment

ITEM PART NO. QTY. DESCRIPTION

NOTE: Items 1 thru 4 are for units not equipped
with a CAB

1	70694966	1	COVER
	70677004	4	WASHER
	70917730	4	NUT, elastic stop, 1/4"NC
2	70694962	1	ANGLE
	70927401	1	CAPSCREW, 1/4"NC x 1"
	70677004	2	WASHER
	70917730	1	NUT, elastic stop, 1/4"NC
3	70694987	1	EYE-BOLT
	70677004	2	WASHER
	70917730	1	NUT, elastic stop, 1/4"NC
4	70035916	1	SPRING
5	70928052	10	PADLOCK (2 less used on units equipped with a CAB)



TOOLS

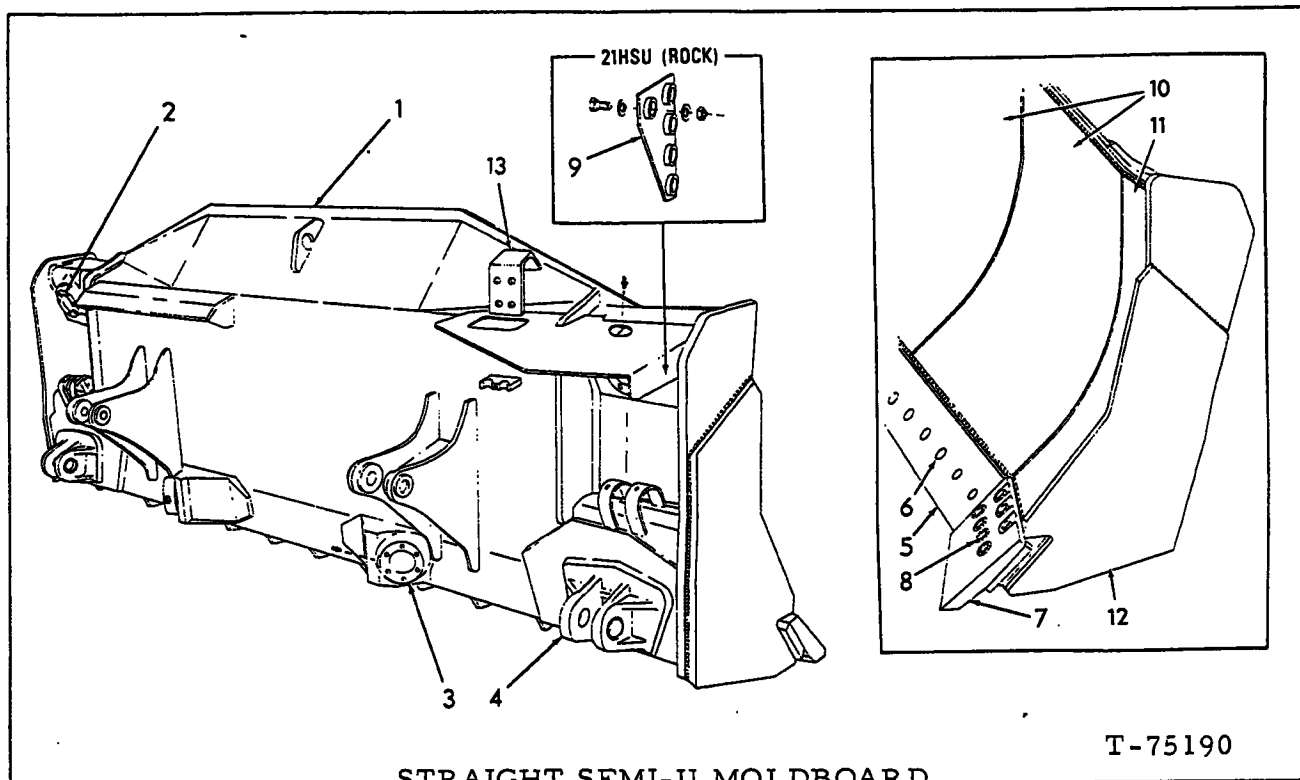
T-79183

TOOLS

USAGE: Special equipment

ITEM PART NO. QTY. DESCRIPTION

1	70012389	1	PLIERS, slip joint, 6"
2	70012387	1	HAMMER, ball peen, 1 lb.
3	70036268	1	SCREWDRIVER, 9-3/4" long
4	70914732	1	SCREWDRIVER, Phillips #2
5	70052371	1	BAR, pinch, 16" long
6	70050611	1	WRENCH, open end, double head, 15°, 15/16" and 1-1/16"
7	70050610	1	WRENCH, open end, double head, 15°, 3/4" and 7/8"
8	70050609	1	WRENCH, open end, double head, 15°, 5/8" and 3/4"
9	70050608	1	WRENCH, open end, double head, 15°, 1/2" x 9/16"
10	70050607	1	WRENCH, open end, double head, 15°, 5/16" x 3/8"
11	70914709	1	SOCKET, 1/2" square drive, 1/2" hex
12	70914710	1	SOCKET, 1/2" square drive, 9/16" hex
13	70914711	1	SOCKET, 1/2" square drive, 5/8" hex
14	70914712	1	SOCKET, 1/2" square drive, 11/16" hex
15	70914713	1	SOCKET, 1/2" square drive, 3/4" hex
16	70914714	1	SOCKET, 1/2" square drive, 7/8" hex
17	70914715	1	SOCKET, 1/2" square drive, 15/16" hex
18	70914716	1	SOCKET, 1/2" square drive, 1" hex
19	70914717	1	BAR, extension, socket, 1/2" drive, 2" long
20	70914718	1	BAR, extension, socket, 1/2" drive, 5" long
21	70050612	1	HANDLE, socket, sliding T, 1/2" square drive, 15" long
22	70914719	1	HANDLE, socket, ratchet, 1/2" square drive



USAGE: Model 21HSU, 21HSU (Rock)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73116372	1	MOLDBOARD ASSY. (21HSU)(Includes items 2 thru 8) (Tractors prior to unit #21876)
	73119010	1	MOLDBOARD ASSY. (21HSU)(Includes items 2 thru 8 and 13)(Tractors unit #21876 and up)
	73116373	1	MOLDBOARD ASSY. (21HSU)(Rock)(Includes items 2 thru 12)(Tractors prior to unit #21876)
	73119011	1	MOLDBOARD ASSY. (21HSU)(Rock)(Includes items 2 thru 13)(Tractors unit #21876 and up)
2	70667493	2	*SOCKET (First type with six 7/8"NC holes)
	73122380	2	*SOCKET (Second type with four 1"NC holes)
	70914465	2	FITTING, lubricating, 1/8"NPT
3	70667496	2	*SOCKET WELDMENT, diagonal brace (First type with six 7/8"NC holes)
	73123612	2	*SOCKET WELDMENT, diagonal brace (Second type with four 1"NC holes)
	70914465	2	FITTING, 1/8"NPT
4	70667482	2	*LUG
5	70670252	2	EDGE, cutting (5 ft.)
6	70661209	20	BOLT, plow, 1"NC x 3-1/4"
	70911032	20	NUT, 1"NC
7	70673081	1	BIT, left end
	70673082	1	BIT, right end
8	70661209	14	BOLT, plow, 1"NC x 3-1/4"
	70911032	14	NUT, 1"NC

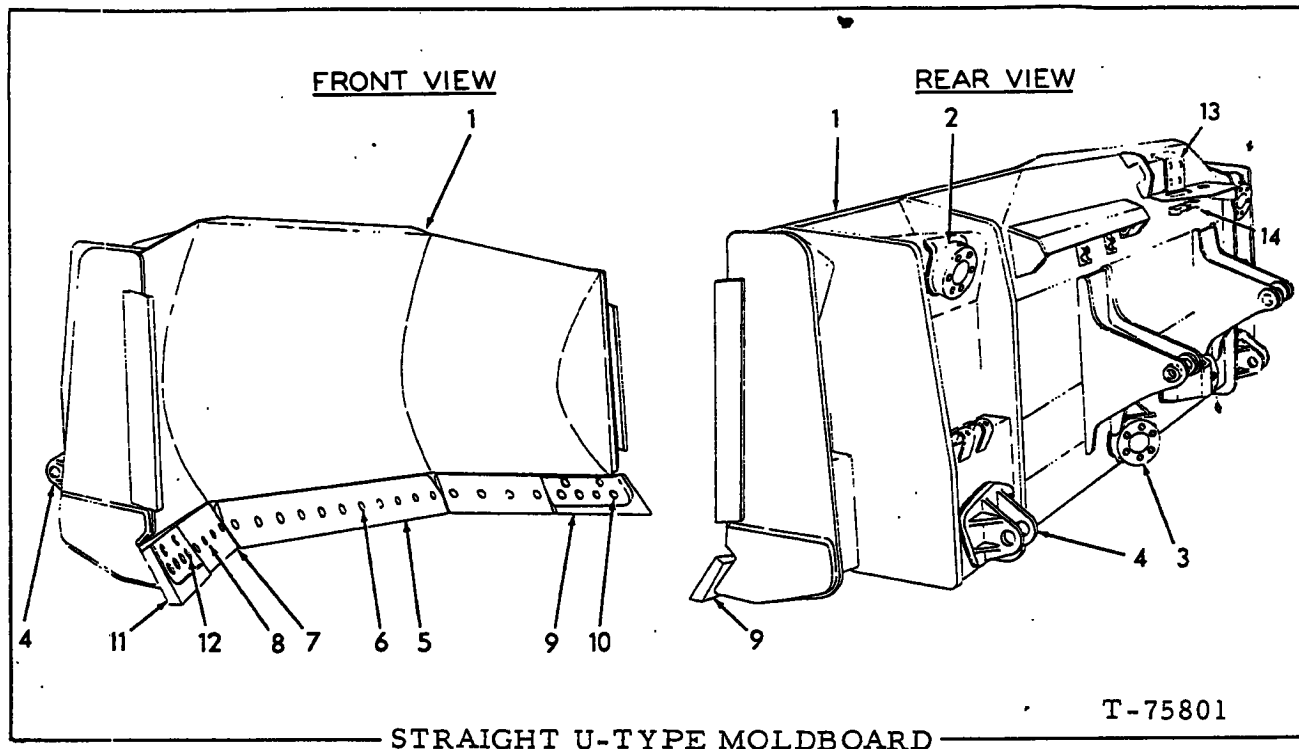
(Continued)

(Revised May 1982)

STRAIGHT SEMI-U MOLDBOARD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
9	70694602	1	PLATE	} For Model 21HSU(Rock) only
	70926785	.5	CAPSCREW, 1"NC x 2-3/4"	
	70928370	10	WASHER	
	70911032	5	NUT, 1"NC	
10	70694447	2	*PLATE	
11	70694445	1	*PLATE, left end	
	70694446	1	*PLATE, right end	
12	70694466	2	*PLATE	
13	73119007	1	*ANGLE (Tractors unit #21876 and up)	

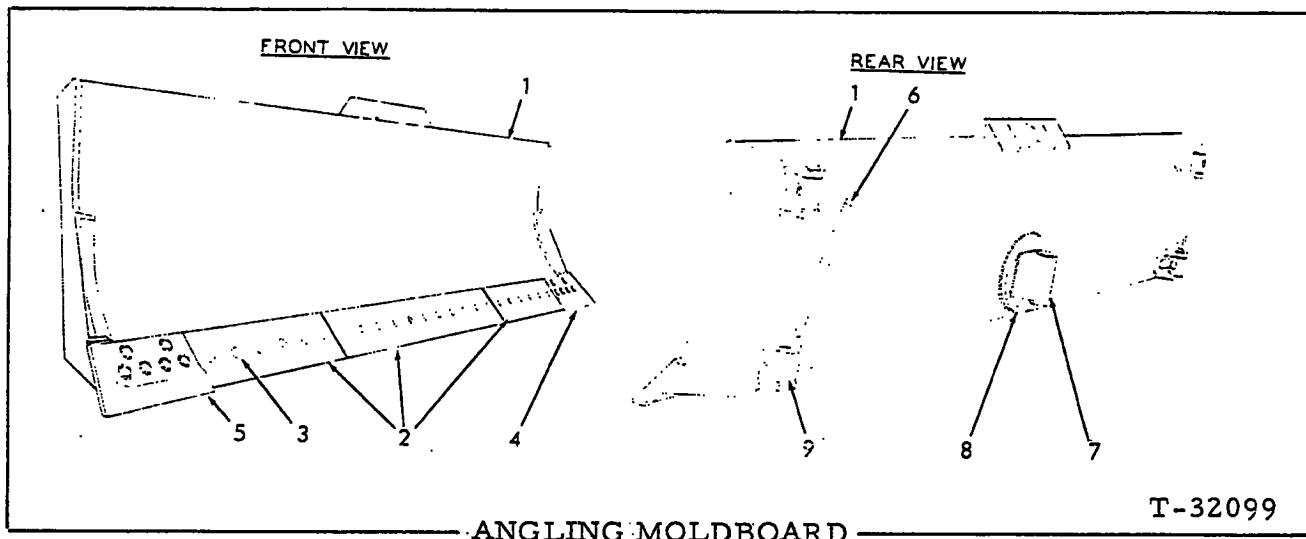
*Requires welding to install



USAGE: Model 21HU

ITEM	PART NO.	QTY.	DESCRIPTION
1	73119006	1	MOLDBOARD ASSY. (Includes items 2 thru 14)
2	70667493	2	*SOCKET (First type with six, 7/8"NC holes)
	73122380	2	*SOCKET (Second type with four, 1"NC holes)
	70914465	2	FITTING, lubricating, 1/8"NPT
3	70667496	2	*SOCKET WELDMENT (First type with six 7/8"NC holes)
	73123612	2	*SOCKET (Second type with four, 1"NC holes)
	70914465	2	FITTING, lubricating, 1/8"NPT
4	70667482	2	*LUG
5	70669676	1	EDGE, cutting, center section (77-3/4" long)
6	70661593	13	BOLT, plow, 1"NC x 3"
	70911032	13	NUT, 1"NC
7	70669675	2	EDGE, cutting, outer section (29-3/4" long)
8	70661593	10	BOLT, plow, 1"NC x 3"
	70911032	10	NUT, 1"NC
9	70691721	1	BIT
10	70661593	6	BOLT, plow, 1"NC x 3"
	70911032	6	NUT, 1"NC
11	70691722	1	BIT
12	70661593	6	BOLT, plow, 1"NC x 3"
	70911032	6	NUT, 1"NC
13	73119004	1	*ANGLE
14	70682657	1	*CLAMP

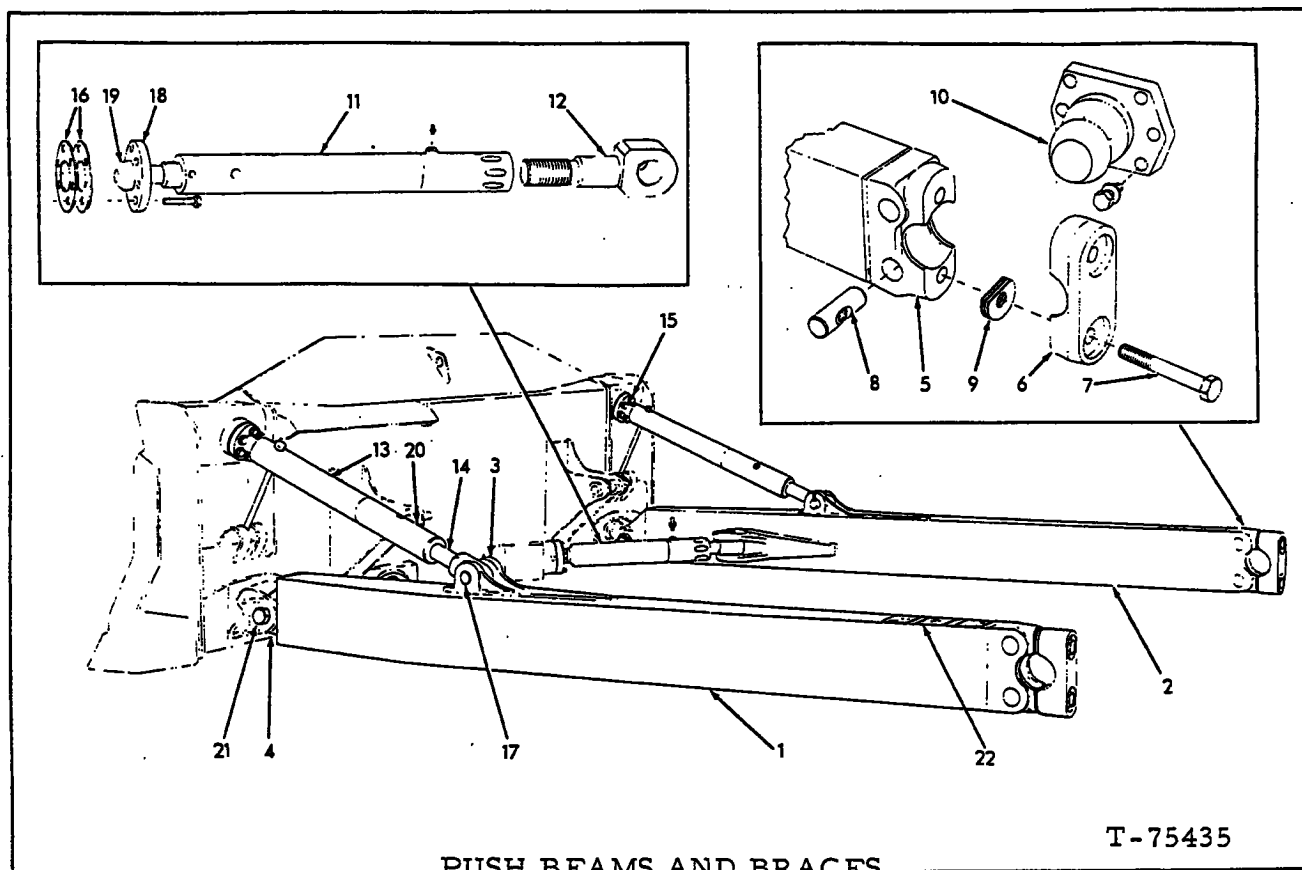
*Requires welding to install



USAGE: Model 21HA

ITEM	PART NO.	QTY.	DESCRIPTION
1	70619654	1	MOLDBOARD ASSY. (Includes items 2, thru 9)
2	70670247	2	EDGE, cutting (standard, 1" thick, 36-1/2" long)
	70675496	1	EDGE, cutting (standard, 1" thick, 65-1/4" long)
	70619404	1	EDGE, cutting, center section (heavy-duty, 1-1/4" thick, 41" long)
	70619720	2	EDGE, cutting, outer section (heavy-duty, 1-1/4" thick, 48-1/2" long)
3	70661209	23	BOLT, plow, 1" NC x 3-1/4"
	70911032	23	NUT, 1" NC
4	70691721	1	BIT, left end (Standard)
	70661209	6	BOLT, plow, 1" NC x 3-1/4"
	70911032	6	NUT, 1" NC
	70691743	1	BIT, left end (heavy-duty type for use with 1-1/4" thick cutting edges)
	70661209	6	CAPSCREW, 1" NC x 3-1/4"
	70911032	6	NUT, 1" NC
5	70691722	1	BIT, right end (Standard)
	70661209	6	BOLT, plow, 1" NC x 3-1/4"
	70911032	6	NUT, 1" NC
	70691744	1	BIT, right end (heavy-duty type for use with 1-1/4" thick cutting edges)
	70661209	6	CAPSCREW, 1" NC x 3-1/4"
	70911032	6	NUT, 1" NC
6	70609368	1	BAR
7	70676838	1	*PIVOT
8	70676839	1	*RING
9	70619648	4	*SWIVEL

*Requires welding to install



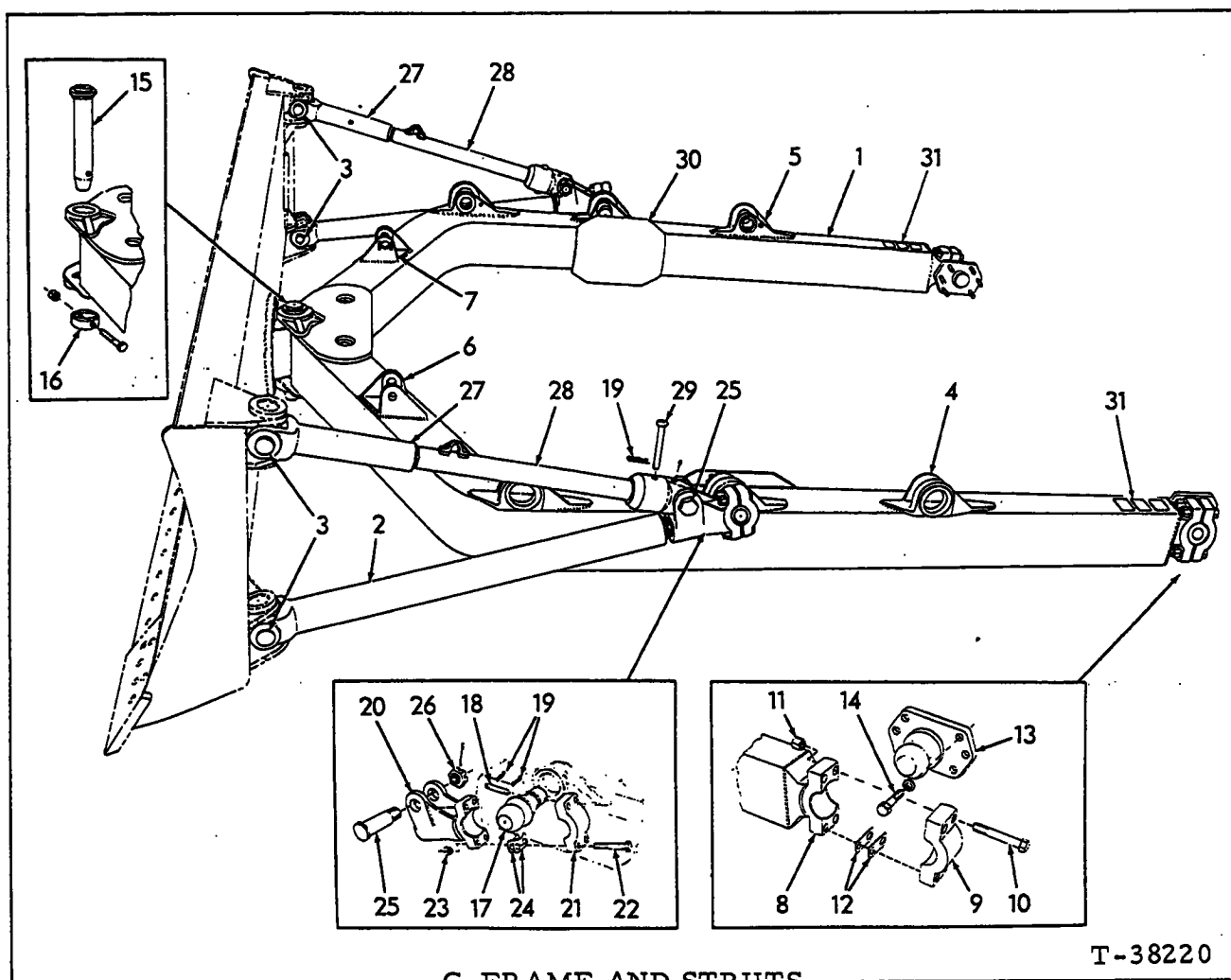
USAGE: Models 21HU, 21HSU, 21HSU (Rock)

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70696035	1	BEAM, push (21 HU, 21HSU)	} Each includes items 3 thru 5
	70696329	1	BEAM, push (21 HSU (Rock).	
2	70696036	1	BEAM, push (21 HU, 21HSU)	
	70696330	1	BEAM, push (21 HSU (Rock).	
3	70665208	4	*LUG	
4	73113451	1	*HINGE, left	
	73113452	1	*HINGE, right	
5	70665094	2	*PIVOT	
6	70665167	2	CAP	
7	70665160	4	CAPSCREW, 1-1/4"NC x 8"	
8	70665157	4	PIN	
9	70665156	40	SHIM, push beam cap (.032" thick)	} Use as required
	70689324	4	SHIM, push beam cap (.125" thick)	
10	70687732	2	TRUNNION	
	70925671	12	CAPSCREW, 7/8"NC x 2-1/2"	
	70676122	12	WASHER	
11	70696005	2	BRACE ASSY., diagonal (Includes items 18 and 19) (First type with six hole collar)	
	73123382	2	BRACE ASSY., diagonal (Includes items 18 and 19) (Second type with four hole collar)	
	70914465	2	FITTING, lubricating, 1/8"NPT	
12	70686974	2	SCREW	
	70667156	2	PIN, locking	
			(Continued)	

PUSH BEAMS AND BRACES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	70671078	2	BRACE, moldboard tilt (First type with six hole collar)(Includes items 18 thru 20 (One less used with hydraulic tilt)
	73123346	2	BRACE, moldboard tilt (Second type with four hole collar)(Include items 18 thru 20 (One less used with hydraulic tilt)
	70914465	2	FITTING, lubricating, 1/8"NPT
14	70619952	2	SCREW
15	70925806	24	CAPSCREW (7/8"NC x 3")(Use with six hole collar)
	70927314	16	CAPSCREW (1"NC x 3-1/2")((Use with four hole collar)
16	70609389	56	SHIM (Six hole)
	73122377	56	SHIM (Four hole) } Use as required
17	70609122	4	PIN
	70918245	4	PIN, spring, 1/2" x 2-1/2"
18	70651704	4	*COLLAR (Six hole)
	73122379	4	*COLLAR (Four hole)
19	70671076	2	*BALL (Use with item 11)
	70672959	2	*BALL (Use with item 13)
20	70615229	2	*NUT
21	70609120	2	BOLT
	70606702	2	NUT
	70901349	2	PIN, cotter, 3/8" x 3"
22	73116394	6	STEP TREAD

*Requires welding to install



USAGE: Model 21HA

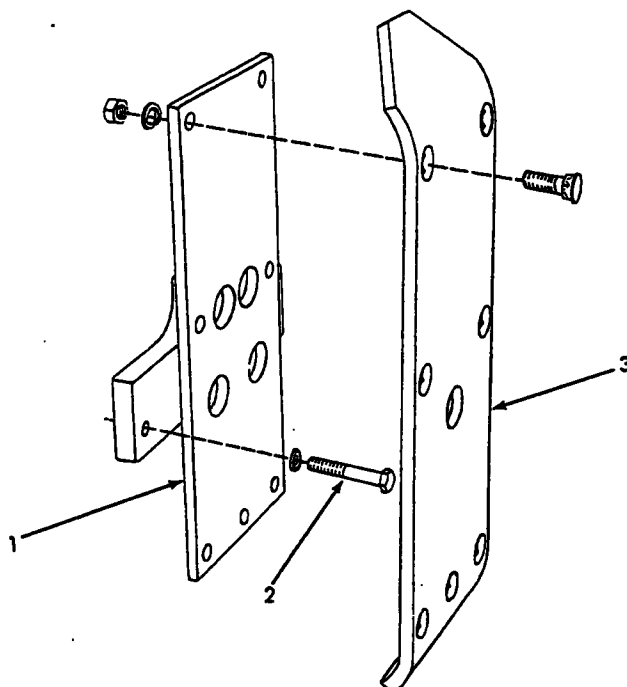
ITEM	PART NO.	QTY.	DESCRIPTION
1	70695100	1	C-FRAME (Includes items 4 thru 8) (Standard)
	70695139	1	C-FRAME (Includes items 4 thru 8) (Severe-service)
2	70619840	2	STRUT, lower
3	70609122	4	PIN, moldboard strut
	70918245	4	PIN, spring, 1/2" x 2-1/2"
4	70618083	3	*BRACKET, ball pin, left side
5	70618084	3	*BRACKET, ball pin, right side
6	70679349	1	*LUG, lifting, left side
7	70679350	1	*LUG, lifting, right side
8	70615750	2	*PIVOT, C-frame
9	70617069	2	CAP, C-frame
10	70926283	8	CAPSCREW, 1"NF x 5-3/4"
11	70600236	8	NUT, high, 1"NF
12	70615912	32	SHIM, C-frame cap (.037" thick) (Use as required)

(Continued)

C-FRAME AND STRUTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	70687732	2	TRUNNION
14	70925671	12	CAPSCREW, 7/8"NC x 2-1/2"
	70676122	12	WASHER
15	70615696	1	PIN
16	70615338	1	COLLAR
	70928059	1	CAPSCREW, 5/8"NC x 5-1/2"
	70914501	1	NUT, elastic stop, 5/8"NC
17	70615581	2	PIN
18	70615619	2	PIN
19	70617855	6	CLIP
20	70618840	2	BRACKET
21	70618173	2	CAP
22	70925954	8	CAPSCREW, 3/4"NF x 4-1/2"
23	70012767	8	NUT, high, 3/4"NF
24	70614721	40	SHIM, strut bracket cap (Use as required)
25	70609361	2	BOLT
26	70606702	2	NUT, upper strut bolt (slotted, 1-3/4"NF
	70911069	2	PIN, cotter, 5/16" x 3"
27	70619841	2	CLEVIS, upper strut (Standard. 2-1/2"NC thread)
	70619275	2	CLEVIS, upper strut (Heavy-duty. 3-1/2"NC thread)
	70914465	2	FITTING, lubricating, 1/8"NPT
28	70609355	2	STRUT, upper (Standard. 2-1/2"NC thread)
	70619274	2	STRUT, upper (Heavy-duty. 3-1/2"NC thread)
	70914465	2	FITTING, lubricating, 1/8"NPT
29	70618692	2	PIN
30	70617171	2	*PLATE (Special. Not used on units with Severe-service Frame)
31	73116394	6	STEP TREAD

*Requires welding to install

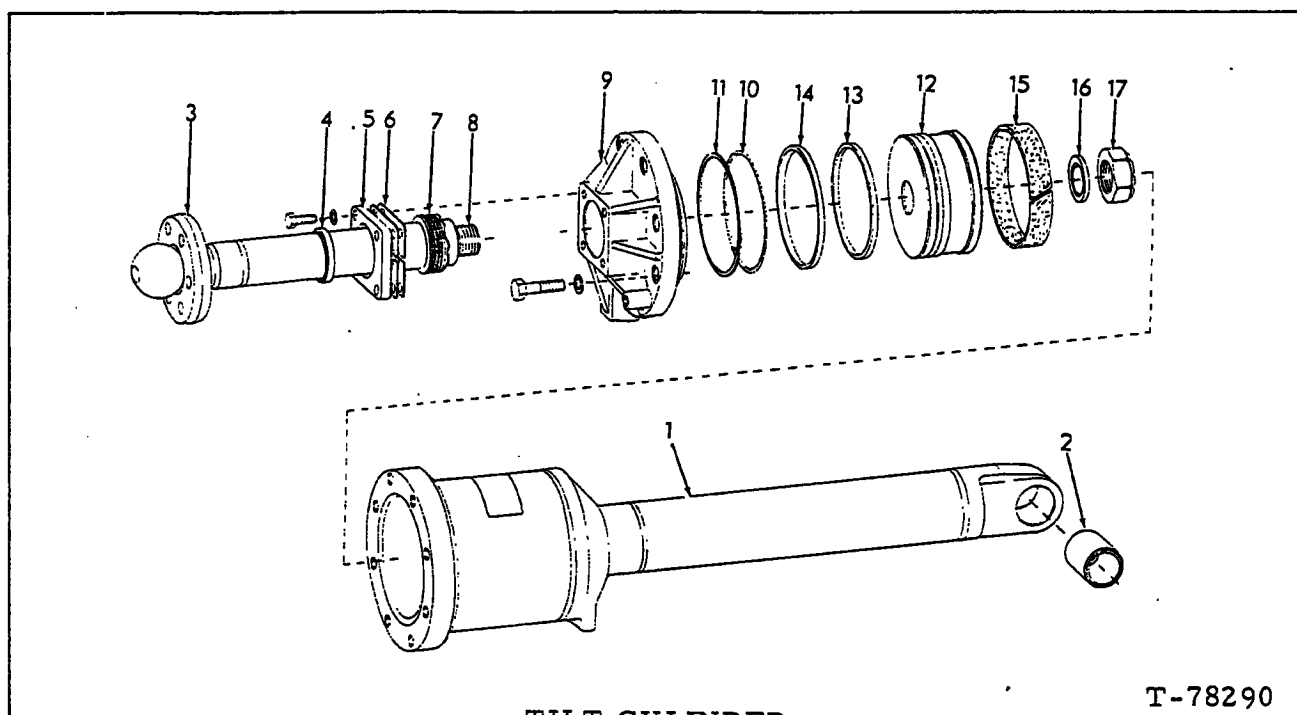


T-15164

GUIDE BRACKETS

USAGE: Special Equipment on Model 21HA only. Not used on units with Severe-service C-Frame. Requires addition of welded wear plate to C-Frame.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70609142	2	BRACKET
2	70928043	12	CAPSCREW, 5/8"NC x 3-1/2"
	70930364	12	WASHER
3	70609136	2	PLATE, wear
	70916441	14	BOLT, 3/4"NC x 2-1/4"
	70928914	14	WASHER
	70911030	14	NUT, 3/4"NC



TILT CYLINDER

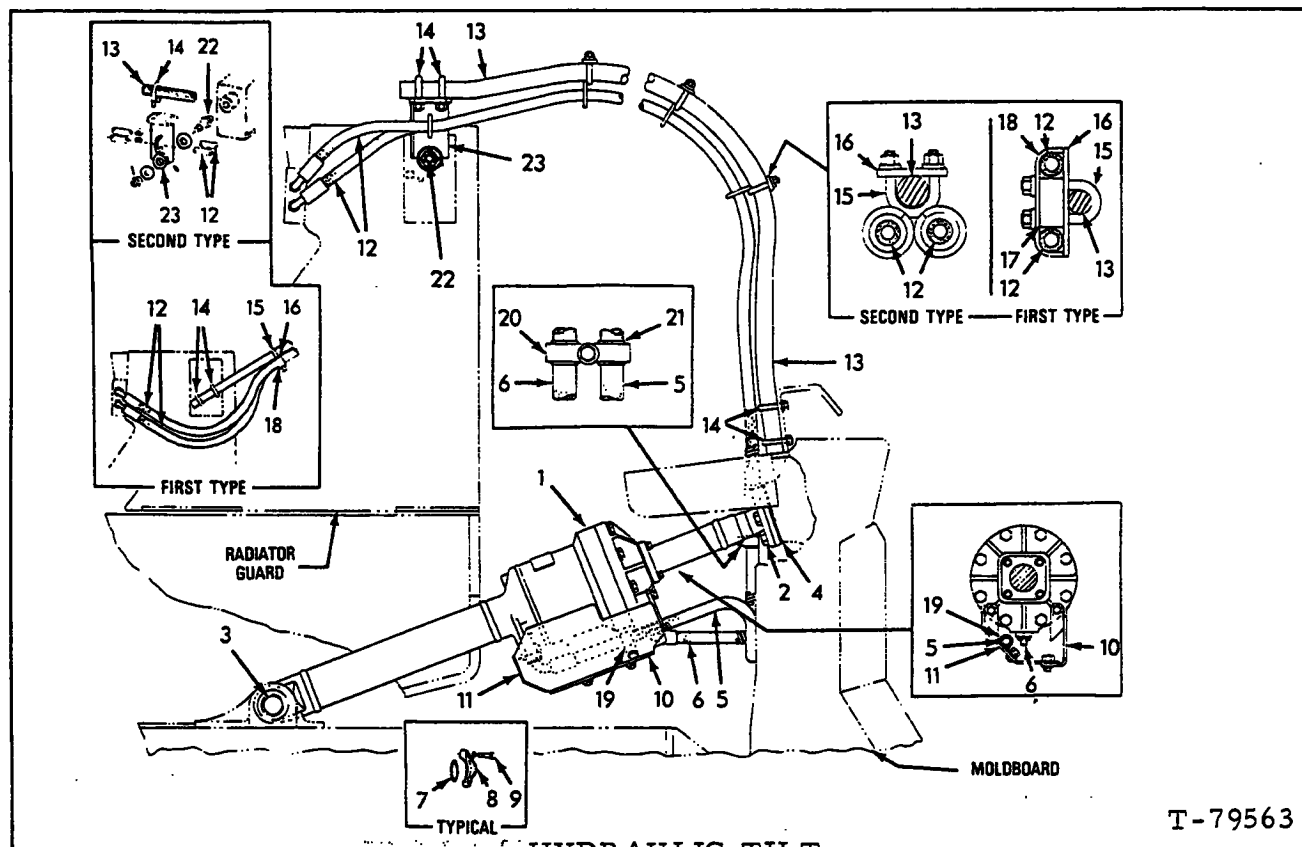
T-78290

USAGE: See page 238

ITEM	PART NO.	QTY.	DESCRIPTION
-	73061762	1	CYLINDER ASSY. (Includes items 1 thru 17)
1	73061081	1	CYLINDER ASSY. (Includes item 2)
2	73057408	1	BUSHING
3	70651704	1	COLLAR
4	73052942	1	☐ WIPER
5	73059354	1	PLATE
	70915987	4	CAPSCREW, 1/2" NC x 1-1/2"
	70912441	4	LOCKWASHER, 1/2"
6	73054488	4	☐ SHIM (.029" thick)
7	73054073	1	☐ PACKING SET
8	73055463	1	ROD
9	73062228	1	HEAD
	70921170	6	CAPSCREW, 3/4" NF x 2-1/2"
	70924815	2	CAPSCREW, 3/4" NF x 4"
	70904369	8	LOCKWASHER, 3/4"
10	70927171	1	☐ RING
11	73063372	1	☐ RING
12	73059271	1	PISTON
13	70926822	1	☐ RING, piston, inner
14	73053715	1	☐ RING, piston, outer
15	73053716	1	☐ RING
16	73054108	1	SPACER
17	73073214	1	NUT, piston rod (self-locking)
18	73056933	1	REPAIR KIT (Includes items 4, 6, 7, 10, 11, 13, 14 and 15)

☐ Components of item 18

NOTE: See PAINTING AND MARKING for Transfers



T-79563

HYDRAULIC TILT

*Tractors prior to S/N 71A21876

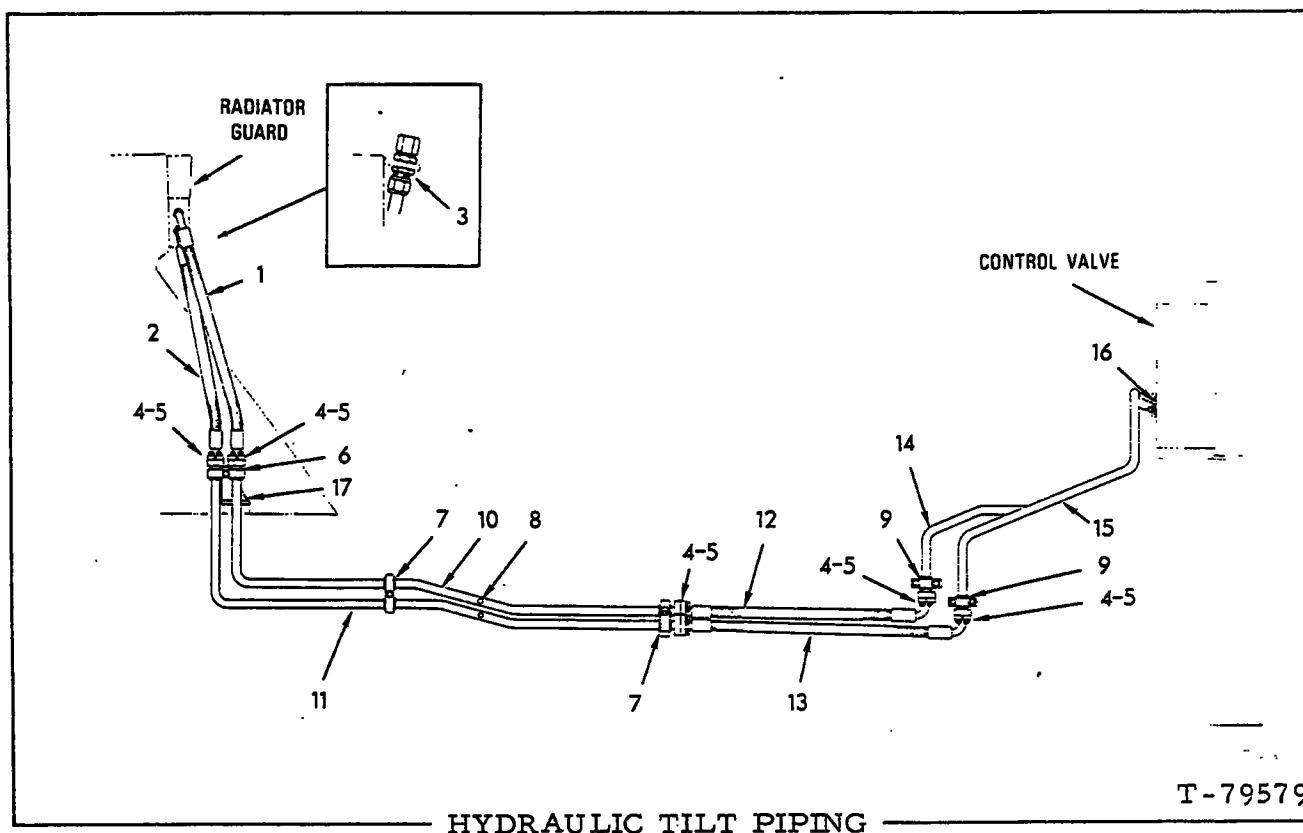
**Tractors S/N 71A21876 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	1	CYLINDER, tilt (See page 237)
2	70925806	6	6	CAPSCREW, 7/8"NC x 3"
3	70609122	1	1	PIN, tilt cylinder
	70918245	1	1	PIN, spring, 1/2" x 2-1/2"
4	70609389	8	8	SHIM (Use as required)
5	70693997	1	1	HOSE (See HOSE PARTS)
6	70693998	1	1	HOSE (See HOSE PARTS)
7	70931857	2	2	O-RING
8	70921115	4	4	FLANGE
9	70921076	8	8	CAPSCREW, 3/8"NC x 1-1/4"
	70930370	8	8	WASHER, 7/16"
10	70683549	1	1	GUARD
	70921411	1	1	CAPSCREW, 5/8"NC x 1-1/2"
	70912942	1	1	LOCKWASHER, 5/8"
	70920583	2	2	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	2	2	WASHER
11	70683563	1	1	GUARD
	70922726	2	2	CAPSCREW, 1/2"NF x 1-1/2"
	70677008	2	2	WASHER
	70921411	1	1	CAPSCREW, 5/8"NC x 1-1/2"
	70912942	1	1	LOCKWASHER, 5/8"
12	70693996	2	-	HOSE (See HOSE PARTS)
	73119001	-	2	HOSE (See HOSE PARTS)

(Continued)

HYDRAULIC TILT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
13	70683704	1 -	CABLE
	73119000	- 1	CABLE
14	70696086	4 -	U-BOLT
	70677008	8 -	WASHER
	70900369	8 -	NUT, 1/2"NC
	73119223	- 4	U-BOLT
	70927381	- 8	WASHER
	70900370	- 8	NUT, 5/8"NC
15	70696124	3 -	U-BOLT
	73119226	- 3	U-BOLT ASSY. (Serviced only as a unit)
	70677008	6 6	WASHER
	70900369	6 6	NUT, 1/2"NC
16	70696090	3 -	PLATE
	73119227	- 3	PLATE
17	73112401	3 -	BLOCK
18	73112403	3 -	CLAMP
19	70927311	1 1	CLAMP
	70920582	1 1	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	1 1	WASHER
	70900369	1 1	NUT, 1/2"NC
20	70698399	1 1	CLAMP
	70921556	1 1	CAPSCREW, 1/2" x 2"NC
	70677008	1 1	WASHER
21	70682286	4 4	CHANNEL
22	73118995	- 1	SHAFT
	70912299	- 1	WASHER
	70678072	- 1	WASHER
	70902277	- 1	NUT, slotted, 1"NC
	70922002	- 1	PIN, cotter, 3/16" x 2"
23	73119222	- 1	SWIVEL ASSY. (Includes BUSHINGS indented below)
	73119221	- 2	BUSHING
	70914465	- 1	FITTING, lubricating, straight, 1/8"NPT



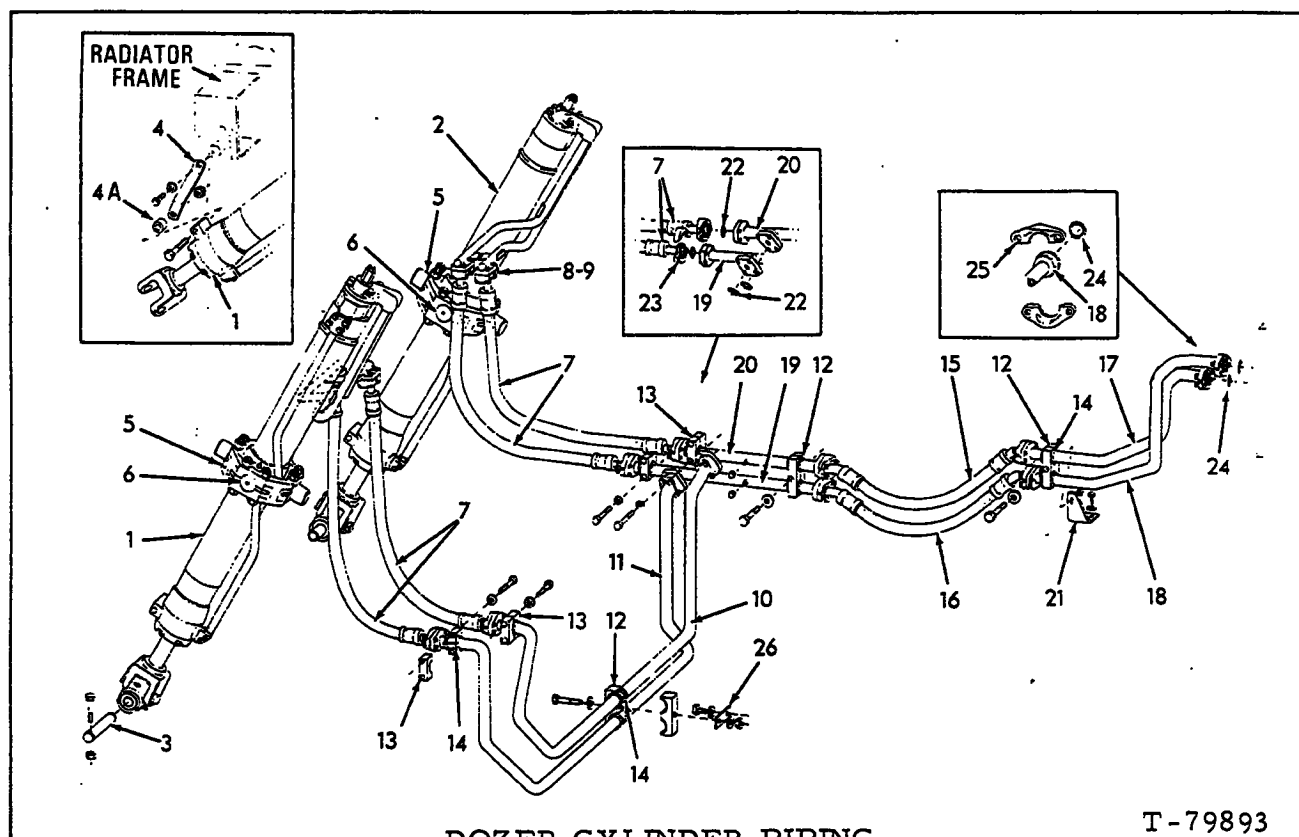
ITEM	PART NO.	QTY.	DESCRIPTION
1	70689801	1	HOSE
2	70689802	1	HOSE
3	70927063	2	FITTING, straight, 3/4" tube, 1-1/16"NPT
	70921244	2	CAP, flare type, 3/4" tube
4	70921115	12	FLANGE
	70921076	24	CAPSCREW, 3/8"NC x 1-1/4"
	70930370	24	WASHER
5	70931857	6	O-RING
6	70199904	2	BUSHING
	70196612	2	CLAMP
	70927536	1	CAPSCREW, 3/8"NC x 3-3/4"
	70677006	1	WASHER
	70918308	1	NUT, elastic stop, 3/8"NC
7	70199904	4	BUSHING
	70196612	4	CLAMP
	70927218	2	CAPSCREW, 3/8"NC x 2-3/4"
	70677006	2	WASHER
8	70921467	2	CAP, flare type, 1/4" tube
9	70199904	2	BUSHING
	70196531	4	CLAMP
	70927218	4	CAPSCREW, 3/8"NC x 2-3/4"
	70677006	4	WASHER
10	70689927	1	TUBE

(Continued)

HYDRAULIC TILT PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	70689928	1	TUBE
12	70689803	1	HOSE
13	70689804	1	HOSE
14	70689781	1	TUBE
15	70689930	1	TUBE
16	70931753	2	O-RING
17	70689916	1	ANGLE
	70921076	2	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	2	WASHER

} See HOSE PARTS



DOZER CYLINDER PIPING

T-79893

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	CYLINDER ASSY., left side
2	-----	1	CYLINDER ASSY., right side
3	70649611	2	PIN
	70923509	2	CAPSCREW, 1/2"NC x 3-3/4"
	70918309	2	NUT, elastic stop, 1/2"NC
4	70660513	2	STRAP (Tractors prior to unit #21284)
	73108116	2	STRAP (Tractor unit #21284 and up)
	70920582	2	CAPSCREW, 1/2"NC x 1-1/4"
	70921455	2	CAPSCREW, 5/8"NC x 4-1/2" (Tractors unit #21284 and up)
	70928060	2	CAPSCREW, 5/8"NC x 6" Tractors prior to unit #21284)
	70677008	2	WASHER
4A	70662189	2	SPACER (Tractors prior to unit #21284)
5	70689934	2	YOKE
	70929106	16	CAPSCREW, 7/8"NF x 5-1/2"
	70924881	16	NUT, 7/8"NF
6	70689935	8	PIN
	70921175	4	CAPSCREW, 1/2"NC x 1"
	70683381	4	WASHER
7	70689305	4	HOSE (See HOSE PARTS)
8	70931753	4	O-RING
9	70921116	8	FLANGE, hose upper connection (half only)
	70921076	16	CAPSCREW, 3/8"NC x 1-1/4"
	70930370	16	WASHER

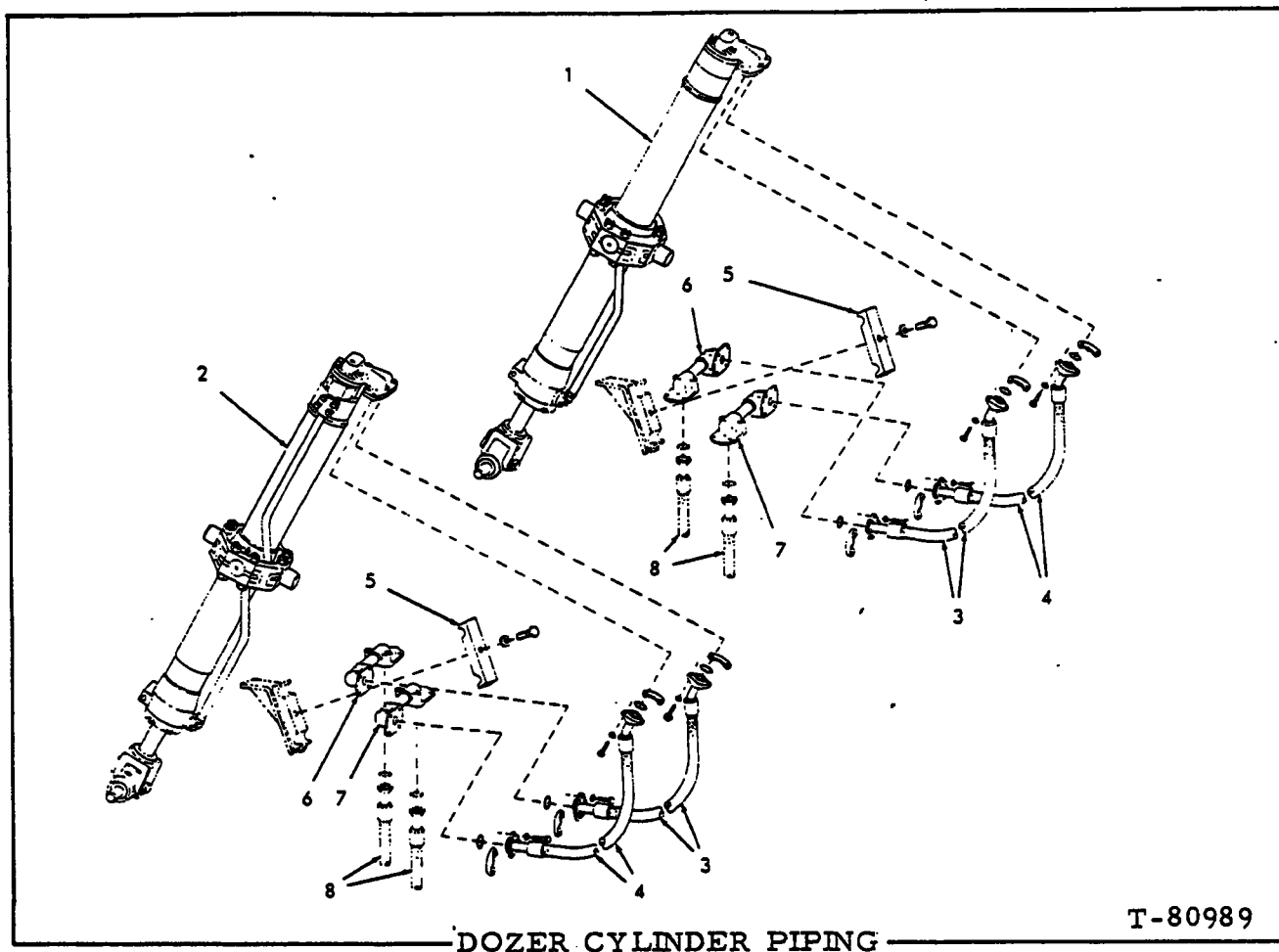
(Continued)

DOZER CYLINDER PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	70689865	1	TUBE, cross, raise line
11	70689864	1	TUBE, cross, drop line
12	70689813	6	CLAMP
	70924843	2	CAPSCREW, 3/8"NC x 3-1/2"
	70927536	1	CAPSCREW, 3/8"NC x 3-3/4"
	70677006	5	WASHER
	70911026	2	NUT, 3/8"NC
13	70196645	8	CLAMP
	70924843	8	CAPSCREW, 3/8"NC x 3-1/2"
	70677006	8	WASHER
14	70689863	10	BUSHING
15	70689766	1	HOSE, upper
16	70689807	1	HOSE, lower
17	70689866	1	TUBE
18	70689852	1	TUBE
19	70689840	1	TUBE, lower
	70921467	1	CAP, flare fitting, 1/4" tube
20	70689841	1	TUBE, upper
	70921467	1	CAP, flare fitting, 1/4" tube
21	70689916	1	ANGLE
	70921076	2	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	2	WASHER
22	70925919	10	O-RING
23	70921117	20	FLANGE, tube connecting, front end (half only)
	70921569	40	CAPSCREW, 7/16"NC x 1-1/4"
	70929154	40	WASHER
24	70931714	2	O-RING
25	70921118	4	FLANGE, tube connecting, rear end (half only)
	70920583	8	CAPSCREW, 1/2"NC x 1-1/2"
	70928460	8	WASHER
26	70646245	1	STRIP
	70922763	1	CAPSCREW, 3/8"NC x 1"
	70677006	1	WASHER

One less used on units prior to #21084

Tractors unit #21084 and up



DOZER CYLINDER PIPING

T-80989

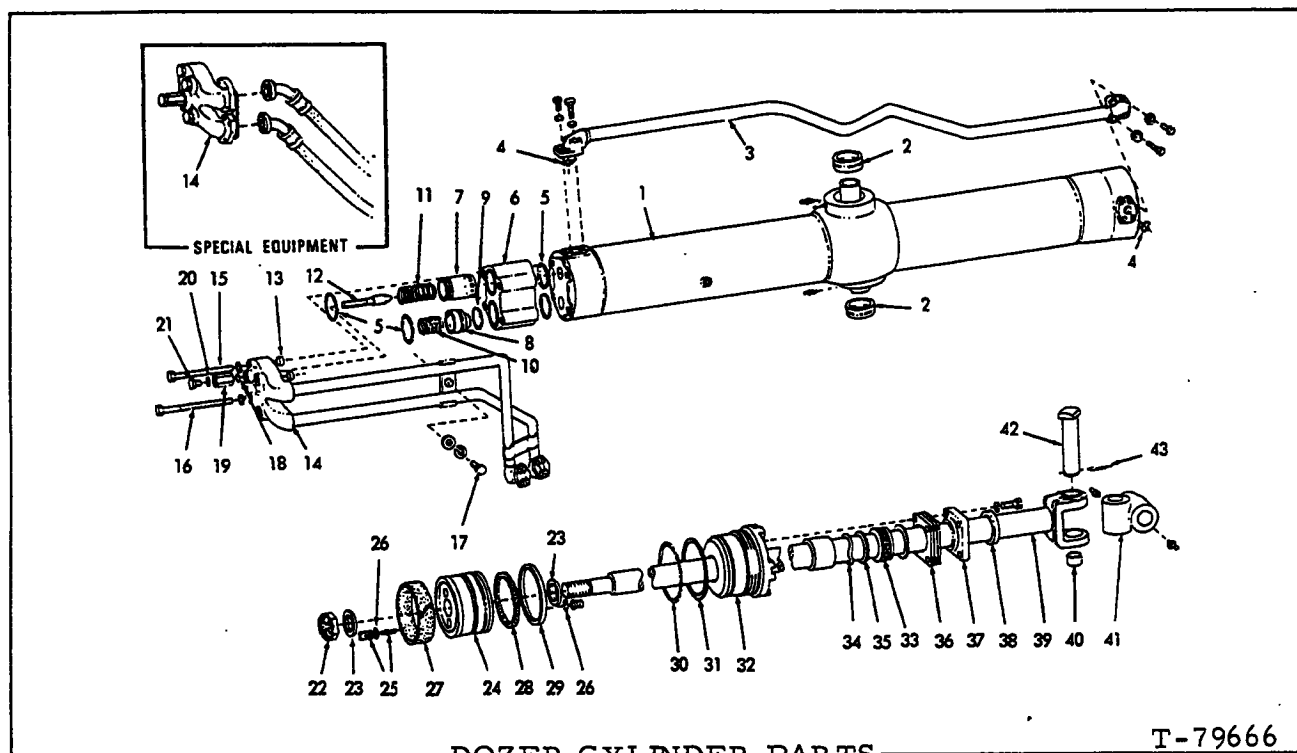
USAGE: Special equipment. Units equipped for Sand Operations.

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	CYLINDER ASSY., right
2	-----	1	CYLINDER ASSY., left
3	70669727	2	HOSE (See HOSE PARTS)
	70931753	4	O-RING
	70921116	8	FLANGE, split
	70923470	16	CAPSCREW, 3/8" NC x 1-1/2"
	70930370	16	WASHER
4	70670357	2	HOSE (See HOSE PARTS)
	70931753	4	O-RING
	70921116	8	FLANGE, split
	70923470	16	CAPSCREW, 3/8" NC x 1-1/2"
	70930370	16	WASHER
5	70670354	2	CLAMP
	70920585	2	CAPSCREW, 1/2" NC x 1-3/4"
	70928188	2	WASHER
6	73113135	1	TUBE, left
	73113136	1	TUBE, right
7	73113133	1	TUBE, left
	73113134	1	TUBE, right
8	-----	4	HOSE (See page 242)

} See page 244

} drop line

} raise line



DOZER CYLINDER PARTS

T-79666

USAGE: See pages 242 and 243A

* Left Hand Cylinder

** Right Hand Cylinder

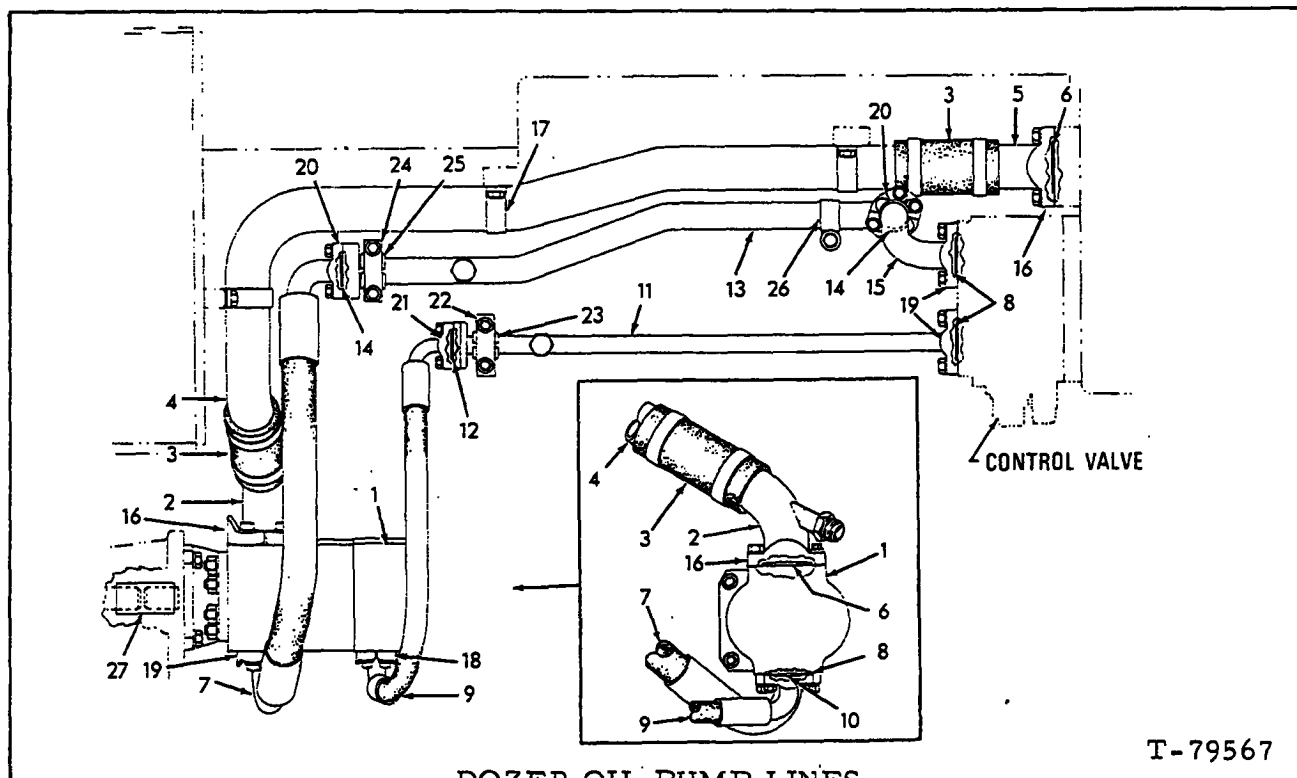
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
-	70689957	1 -	CYLINDER ASSY. } 1st type 5/8"
	70689958	- 1	CYLINDER ASSY. } adjustment screw
	73116609	1 -	CYLINDER ASSY. } 2nd type 7/8"
	73116610	- 1	CYLINDER ASSY. } adjustment screw
	73113129	1 -	CYLINDER ASSY. } 1st type 5/8"
	73113130	- 1	CYLINDER ASSY. } adjustment screw
	73116603	1 -	CYLINDER ASSY. } 2nd type 7/8"
	73116604	- 1	CYLINDER ASSY. } adjustment screw
	NOTE: Each CYLINDER ASSY. above includes items 1 thru 40.		
1	73061423	1 -	CYLINDER ASSY., left } Each includes item 2
	73061424	- 1	CYLINDER ASSY., right }
	70915274	2 2	FITTING, lubricating 45°, 1/8"NPT
2	73065986	2 2	BUSHING, cylinder pivot
3	70689657	1 -	TUBE, jumper
	70689658	- 1	TUBE, jumper
	70921076	4 4	CAPSCREW, 3/8"NC x 1-1/4"
	70920996	4 4	CAPSCREW, 3/8"NC x 2-1/4"
	70910287	8 8	LOCKWASHER, 3/8"
4	70924200	2 2	O-RING, jumper tube
5	70924274	4 4	O-RING, valve housing
6	70669002	1 1	VALVE AND HOUSING ASSY. (Includes items 7 thru 9)
7	-----	1 1	VALVE, by-pass, raise line (Not serviced separately)
8	70650560	1 1	VALVE, by-pass, drop line
9	70923578	1 1	O-RING, drop line by-pass valve
10	70635447	1 1	SPRING, drop line valve
11	70657207	1 1	SPRING, raise line valve

(Continued)

DOZER CYLINDER PARTS (Continued)			
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
12	73110369	1 1.	SCREW, orifice adjustment (5/8"NC diam.)
	73116504	1 1	SCREW, orifice adjustment (7/8"NC diam.)
13	70050227	2. 2	BUSHING, dowel
14	70690841	1 -	TUBE, connecting
	70690842	- 1	TUBE, connecting
	73116613	1 -	TUBE, connecting
	73116614	- 1	TUBE, connecting
	70697003	1 -	HEAD
	70697004	- 1	HEAD
	73116501	1 -	HEAD
	73116502	- 1	HEAD
15	70927335	2 2	CAPSCREW, 5/8"NF x 6"
16	70927336	2 2	CAPSCREW, 5/8"NF x 7"
	70912942	4 4	LOCKWASHER, 5/8"
17	70920582	1 1	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	1 1	WASHER
18	70668394	1 1	SEAL (1st type, 5/8" diam. adjustment screw)
	73116457	1 1	SEAL (2nd type, 7/8" diam. adjustment screw)
19	70668387	1 1	NUT (5/8"NC)
	73116456	1 1	NUT (7/8"NC)
	73121650	1 1	NUT (7/8"NC)
	70931753	1 1	O-RING
20	70921206	1 1	O-RING, valve access plug
21	70921204	1 1	PLUG, valve access (Includes item 20)
22	73073212	1 1	NUT, piston rod (self-locking)
23	73053977	2 2	SPACER, piston rod
24	73059680	1 1	PISTON ASSY. (Includes item 25)
25	73058925	2 2	PLUNGER-GUIDE ASSY. (Includes 1 plunger (.340" diam.) 2 guides and item 26)
26	70923843	4 4	O-RING
27	73052996	1 1	ORING, piston wear
28	70926819	1 1	ORING, piston, inner (rubber)
29	73052998	1 1	ORING, piston, outer (teflon)
30	70924925	1 1	OO-RING, cylinder head
31	73063368	1 1	ORING, back-up, head O-Ring
32	73062214	1 1	HEAD, cylinder
33	73053886	1 1	PACKING SET, piston rod (Includes item 34 and 35)
34	-----	1 1	SPRING, wave, rod packing
35	-----	1 1	WASHER, rod packing, inner
36	73054486	4 4	SHIM, packing plate (Use as required)
37	73059335	1 1	PLATE, packing adjustment
	70914847	4 4	CAPSCREW, 3/8"NC x 1-1/2"
	70904206	4 4	LOCKWASHER, 3/8"
38	73052879	1 1	WIPER, piston rod
39	73063089	1 1	ROD, piston (Includes item 40)
40	70930916	2 2	BUSHING
41	70695869	1 1	UNIVERSAL, piston rod
	70914465	1 1	FITTING, lubricating, straight, 1/8"NPT
	70915274	1 1	FITTING, lubricating, 45°, 1/8"NPT
42	70637056	1 1	PIN, piston rod
43	70637051	1 1	PIN, Spirol, 3/8" x 2"
44	73056485	1 1	REPAIR KIT (Consists of items 27 thru 31, 33, 36 and 38)

□ Components of item 44

(Revised May 1982)

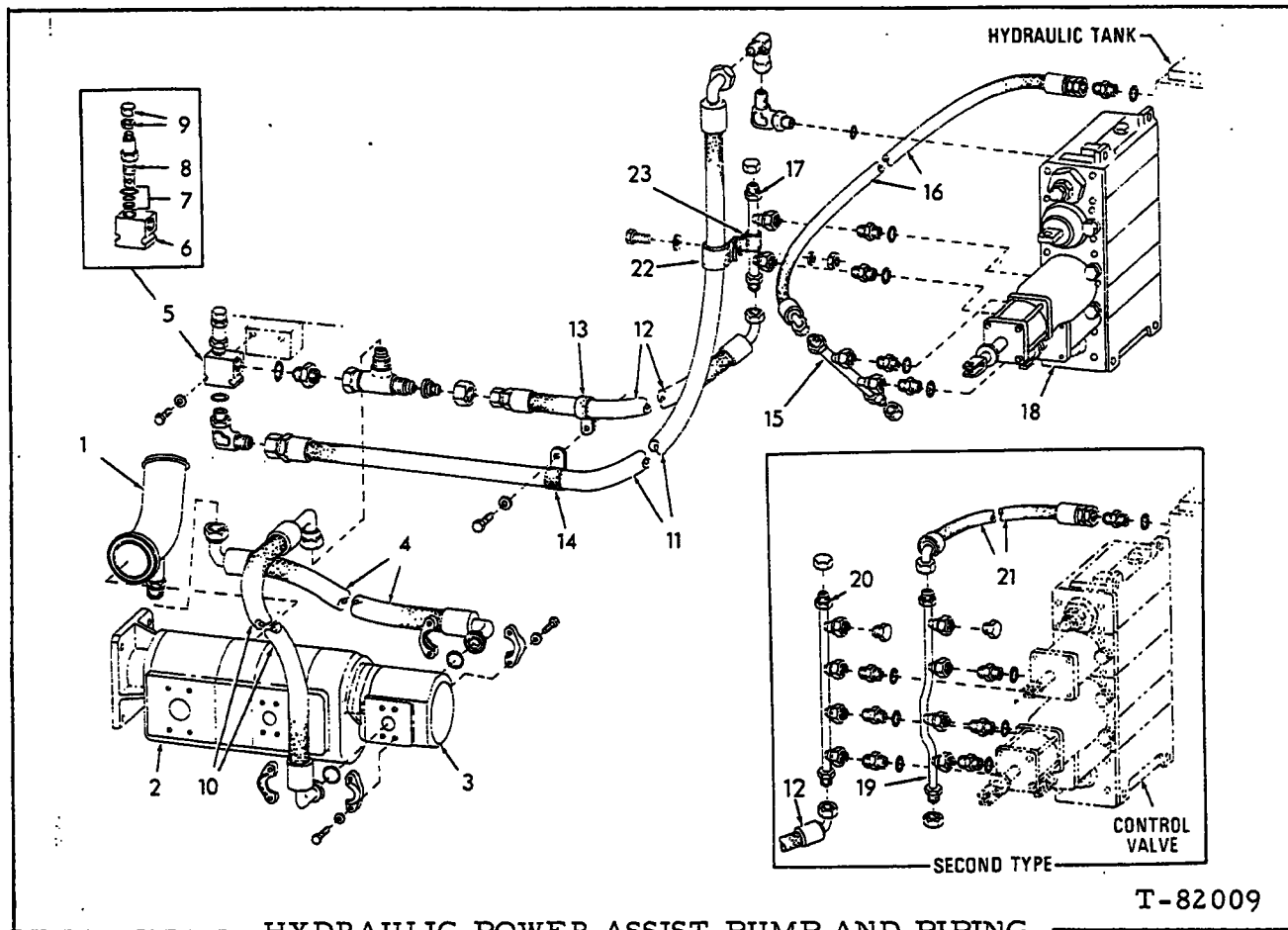


DOZER OIL PUMP LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PUMP ASSY. (See page 248 and 248A)
	70604241	4	STUD
	70912441	4	LOCKWASHER, 1/2"
	70914012	4	NUT, 1/2"NC
2	70689759	1	TUBE (Tractors prior to unit No. 21617)
	73113305	1	TUBE (Tractors unit No. 21617 and up)
3	70665278	2	HOSE
	70927141	4	CLAMP, adjustable, 2-7/8" to 3-1/16" diam.
4	70689763	1	TUBE
5	70689849	1	TUBE
6	70933465	2	O-RING
7	70689760	1	HOSE
8	70931714	3	O-RING
9	70689844	1	HOSE
10	70931753	1	O-RING
11	70698857	1	TUBE
	70921244	1	CAP, flare fitting, 3/4" tube
12	70931857	1	O-RING
13	70689842	1	TUBE
	70921244	1	CAP, flare fitting, 3/4" tube
14	70931714	2	O-RING
15	70689843	1	TUBE (Not used on units equipped with "Kelly" Ripper)
	73108947	1	TUBE (Units equipped with "Kelley" Ripper)
16	70921599	4	FLANGE
	70920583	7	CAPSCREW, 1/2"NC x 1-1/2"
	70928460	7	WASHER
	70922220	1	CAPSCREW, 12 pt. 1/2"NC x 1-1/2"

DOZER OIL PUMP LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
17	70638826	3	CLIP
	70921175	3	CAPSCREW, 1/2"NC x 1"
	70677008	3	WASHER
18	70921116	2	FLANGE
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"
	70930370	4	WASHER
19	70921118	6	FLANGE
	70920583	12	CAPSCREW, 1/2"NC x 1-1/2"
	70928460	12	WASHER
20	70921117	4	FLANGE
	70921569	8	CAPSCREW, 7/16"NC x 1-1/4"
	70929154	8	WASHER
21	70921115	2	FLANGE
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"
	70930370	4	WASHER
22	70196531	2	CLAMP
	70927218	2	CAPSCREW, 3/8"NC x 2-3/4"
	70677006	2	WASHER
23	70199904	1	BUSHING
24	70196645	2	CLAMP
	70922848	2	CAPSCREW, 3/8"NC x 3-1/4"
	70677006	2	WASHER
25	70689863	1	BUSHING
26	70925622	1	CLAMP
	70921175	1	CAPSCREW, 1/2"NC x 1"
	70677008	1	WASHER
27	70657963	1	COUPLING, splined



USAGE: Tractors S/N 71A21617 and up.

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	TUBE (See page 246)
2	-----	1	PUMP ASSY., dozer oil (See page 248A)
3	-----	1	PUMP ASSY., power assist (See page 248C)
4	73113306	1	HOSE
	70931857	1	O-RING
	70921115	2	FLANGE
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"
	70930370	4	WASHER
5	73113006	1	VALVE ASSY., relief (Includes items 6 thru 9)
	70930238	2	CAPSCREW, 1/4"NC x 2"
	70928190	2	WASHER
6	73113454	1	BODY
7	73113453	1	SEAL KIT (3 pieces)
8	73113455	1	VALVE, relief
9	73113424	1	CAP
	73113425	1	NUT, jam
10	73113290	1	HOSE (See HOSE PARTS)
	70931857	1	O-RING
	70921115	2	FLANGE
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"
	70930370	4	WASHER

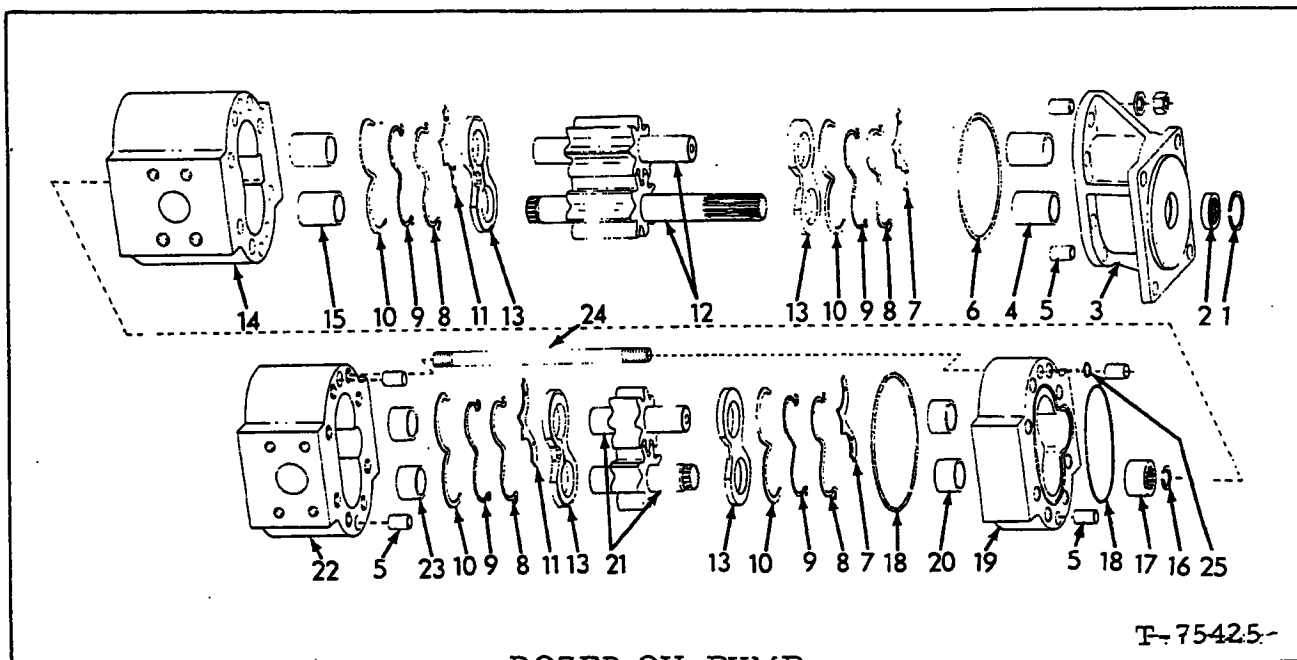
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HYDRAULIC POWER ASSIST PUMP AND PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	73113289	1	HOSE (See HOSE PARTS)
	70933463	1	ELBOW, flare type, adjustable, 3/4" tube, 1-5/16" str. thd.
	70925922	1	O-RING
	70919624	-	ELBOW, flare type, 3/4" tube, 1-1/16" str. thd. (Tractors unit #21940 and up)
	70933462	1	ELBOW, flare type, adjustable, 3/4" tube, 3/4" NF male end
	70933466	1	O-RING
12	73113307	1	HOSE (See HOSE PARTS)(Tractors prior to unit #21660)
	73115490	1	HOSE (See HOSE PARTS)(Tractors unit #21660 and up)
	70919197	1	NUT, flare type, 3/4" tube, 1-1/16" str. thd.
	70925853	1	REDUCER, tube end, flare type, 3/4" to 1/2" tube
	70921691	1	TEE, flare type, swivel, 3/4" tube, 1-1/16" str. thd.
	70933464	1	CONNECTOR, flare type, 3/4" tube, 3/4" str. thd.
	70933466	1	O-RING
13	70925620	1	CLAMP
14	70928927	1	CLAMP
	70922763	1	CAPSCREW, 3/8" NC x 1"
	70930370	1	WASHER
15	73113007	1	TUBE (Tractors prior to unit #21940)
	70923737	1	CAP, flare type, 1/2" tube
	70933471	2	CONNECTOR, flare type, 1/2" tube, 9/16" str. thd.
	70933476	2	O-RING
16	73113003	1	HOSE (See HOSE PARTS)(Tractors prior to unit #21940)
	70933498	1	CONNECTOR, flare type, 1/2" tube, 3/4" str. thd.
	70933466	1	O-RING
17	73113000	1	TUBE (Tractors prior to unit #21940)
	70923737	1	CAP, flare type, 1/2" tube
	70933471	2	CONNECTOR, flare type, 1/2" tube, 9/16" str. thd.
	70933476	2	O-RING
18	-----	1	VALVE ASSY. (See page 259A)
19	73113002	1	TUBE (Tractors unit #21940 and up)
	70925856	1	PLUG, flare type, 1/2" tube, 3/4" str. thd. (Not used with "Kelley" Ripper)
	70923737	1	CAP, flare type, 1/2" tube
	70933471	3	CONNECTOR, flare type, 1/2" tube, 9/16" str. thd. (One additional used with "Kelley" Ripper)
	70933476	3	O-RING (One additional used with "Kelley" Ripper)
20	73113001	1	TUBE (Tractors unit #21940 and up)
	70925856	1	PLUG, flare type, 1/2" tube, 3/4" str. thd. (Not used with "Kelley" Ripper)
	70923737	1	CAP, flare type, 1/2" tube
	70933471	3	CONNECTOR, flare type, 1/2" tube, 9/16" str. thd. (One additional used with "Kelley" Ripper)
	70933476	3	O-RING (One additional used with "Kelley" Ripper)
21	73113265	1	HOSE (See HOSE PARTS)(Tractors unit #21940 and up)
	70933498	1	CONNECTOR, flare type, 1/2" tube, 3/4" str. thd.
	70933466	1	O-RING
22	70928927	1	CLAMP
23	70925617	1	CLAMP
	70922300	1	CAPSCREW, 3/8" NC x 3/4"
	70930370	2	WASHER
	70910324	1	NUT, 3/8" NC

Tractors prior to unit #21617 that have been equipped with special Power Assist Kit

(Revised April 1980)



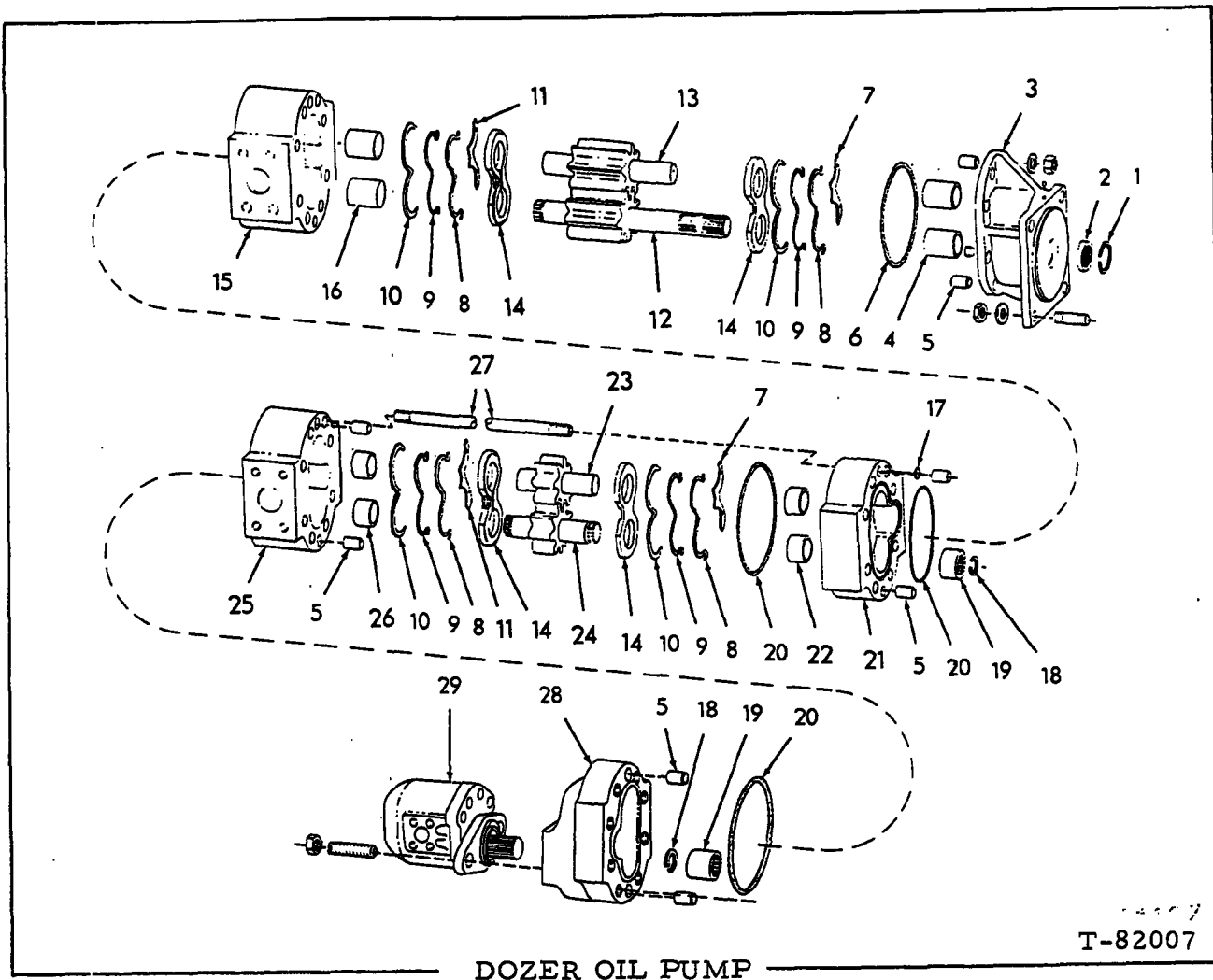
DOZER OIL PUMP

USAGE: Tractors prior to S/N 71A21617. See pages 246 and 247A.

ITEM PART NO. QTY. DESCRIPTION

NOTE: The term "front" as used herein refers to the drive end of the pump.

-	73111690	1	PUMP ASSY. (Includes items 1 thru 24)
1	70194166	1	RING
2	70194165	1	SEAL
3	73112849	1	FLANGE ASSY., mounting (Includes item 4 and 6)
4	-----	2	BUSHING (Not serviced separately)
5	70194132	6	DOWEL
6	70925743	1	O-RING
7	70665098	2	PLATE
8	70665096	4	RING (teflon)
9	70665097	4	RING (rubber)
10	70665099	4	RETAINER (nylon)
11	70665095	2	PLATE
12	70663364	1	GEAR KIT, front pump (Consists of 2 matched gears. Includes shafts)
13	70658241	4	PLATE
14	70663322	1	BODY ASSY., front pump (Includes item 15)
15	-----	2	BUSHING (Not serviced separately)
16	70927691	1	RING
17	70667594	1	COUPLING
18	70924920	2	O-RING
19	70697411	1	BODY ASSY., (Includes items 20)(If for early pumps also order 8 O-ring item 25)
20	-----	2	BUSHING (Not serviced separately)
21	70686006	1	GEAR KIT, rear pump (Consists of 2 matched gears. Includes shafts)
22	70685833	1	BODY ASSY. (Includes item 23)
23	-----	2	BUSHING (Not serviced separately)
24	70694574	8	STUD
	70665930	8	NUT, 1/2" NF
	70651109	8	WASHER
25	70921885	8	O-RING (Late pumps)



T-82007

DOZER OIL PUMP

USAGE: Tractors S/N 71A21617 and up. See pages 246 and 247A. Also on tractors prior to #21617 that have been equipped with the special Power Assist Kit.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73113428	1	PUMP ASSY., dozer (Includes items 1 thru 28)
	70604241	4	STUD
	70912441	4	LOCKWASHER, 1/2"
	70910325	4	NUT, 1/2"NC
1	-----	1	*RING, snap
2	-----	1	Δ*SEAL
3	-----	1	*FLANGE
	-----	1	*PLUG
	-----	1	*BALL
4	-----	2	BUSHING
5	-----	8	□*DOWEL
6	-----	1	Δ*O-RING
7	-----	2	□*PLATE, isolation
8	-----	4	Δ□*RING, back-up
9	-----	4	Δ□*O-RING
10	-----	4	□*RETAINER
11	-----	2	□*PLATE, isolation
12	-----	1	*GEAR, drive

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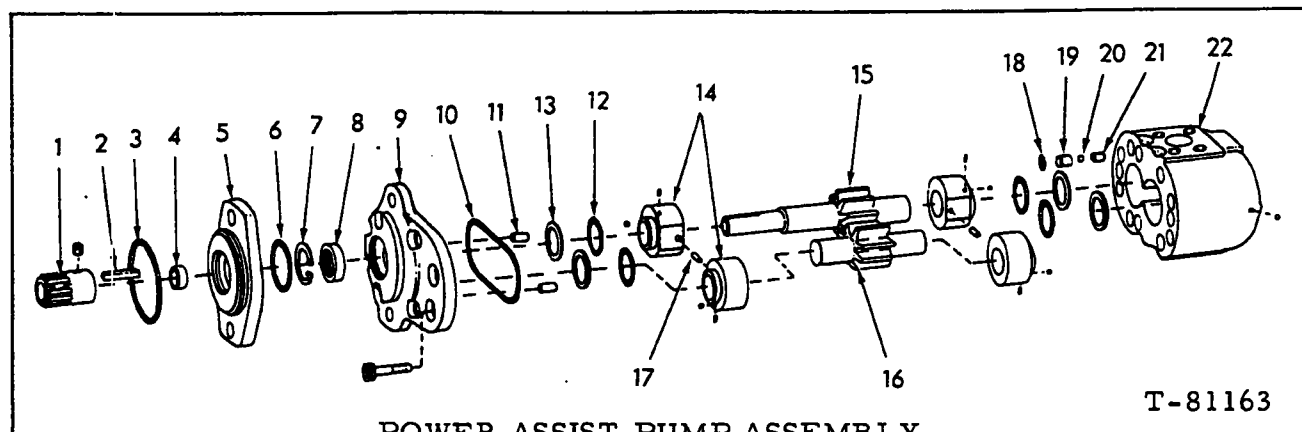
248A

DOZER OIL PUMP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	-----	1	*GEAR, idler
14	-----	4	□*PLATE, pressure
15	-----	1	*BODY
16	-----	2	BUSHING
17	-----	8	Δ□O-RING
18	70927691	2	□*RING, snap
19	70667594	2	□*COUPLING
20	-----	3	Δ□*O-RING
21	-----	1	□PLATE
22	-----	2	BUSHING
23	-----	1	□GEAR, idler
24	-----	1	□GEAR, drive
25	-----	1	□BODY
26	-----	2	BUSHING
27	73116699	8	STUD
	-----	8	□ WASHER
	-----	8	□ NUT
28	-----	1	□PLATE
29	-----	1	PUMP ASSY., power assist (See page 248C)
	73121034	2	STUD
	-----	2	□*NUT
30	73113430	1	PUMP KIT, front section (Includes items 1, 2, 3, 5 thru 15, 18, 19 and 20)
31	73113431	1	PUMP KIT, rear section (Includes items 5, 7 thru 11, 14, 17 thru 25 and 28)
32	73113432	1	SEAL KIT (Includes items 2, 6, 8, 9, 17 and 20)

*Components of item 30
□Components of item 31
ΔComponents of item 32

(Revised June 1981)



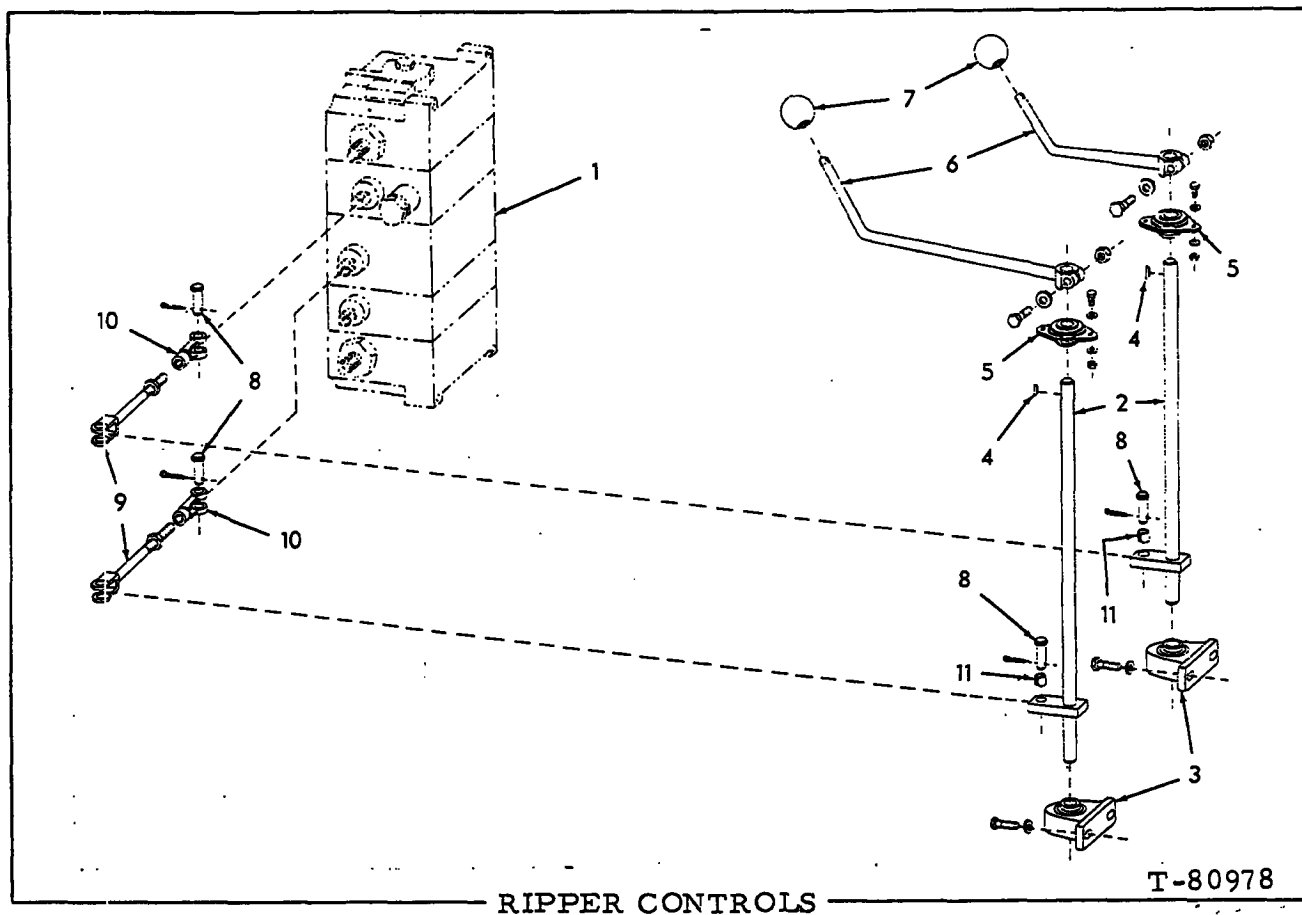
POWER ASSIST PUMP ASSEMBLY

USAGE: Tractors S/N 71A21617 and up. See page 247A. Also used on tractors prior to #21617 that have been equipped with the special Power Assist Kit.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73113429	1	PUMP ASSY., hydraulic power assist (Includes items 1 thru 22)
1	73131056	1	COUPLING, adapter
	70917569	1	SETSCREW
2	70916024	1	KEY
3	70935479	1	□ O-RING
4	73131055	1	SPACER
5	73131057	1	PLATE, adapter
6	70935478	1	□ O-RING
7	-----	1	RING, snap
8	-----	1	□ SEAL
9	-----	1	FLANGE
	-----	8	CAPSCREW, hex-skt-hd.
10	-----	1	□ O-RING
11	-----	2	DOWEL
12	-----	4	□ O-RING
13	-----	4	□ RING, back-up
14	-----	4	BUSHING ASSY.
	-----	4	BALL
	-----	4	PIN, roll
15	-----	1	GEAR ASSY., drive
16	-----	1	GEAR ASSY., idler
17	-----	2	DOWEL
18	-----	2	□ O-RING
19	-----	2	SEAT
20	-----	2	BALL
21	-----	2	RETAINER
22	-----	1	BODY
	-----	1	BALL
23	73113427	1	SEAL KIT (Includes items 3, 6, 8, 10, 12, 13 and 18)

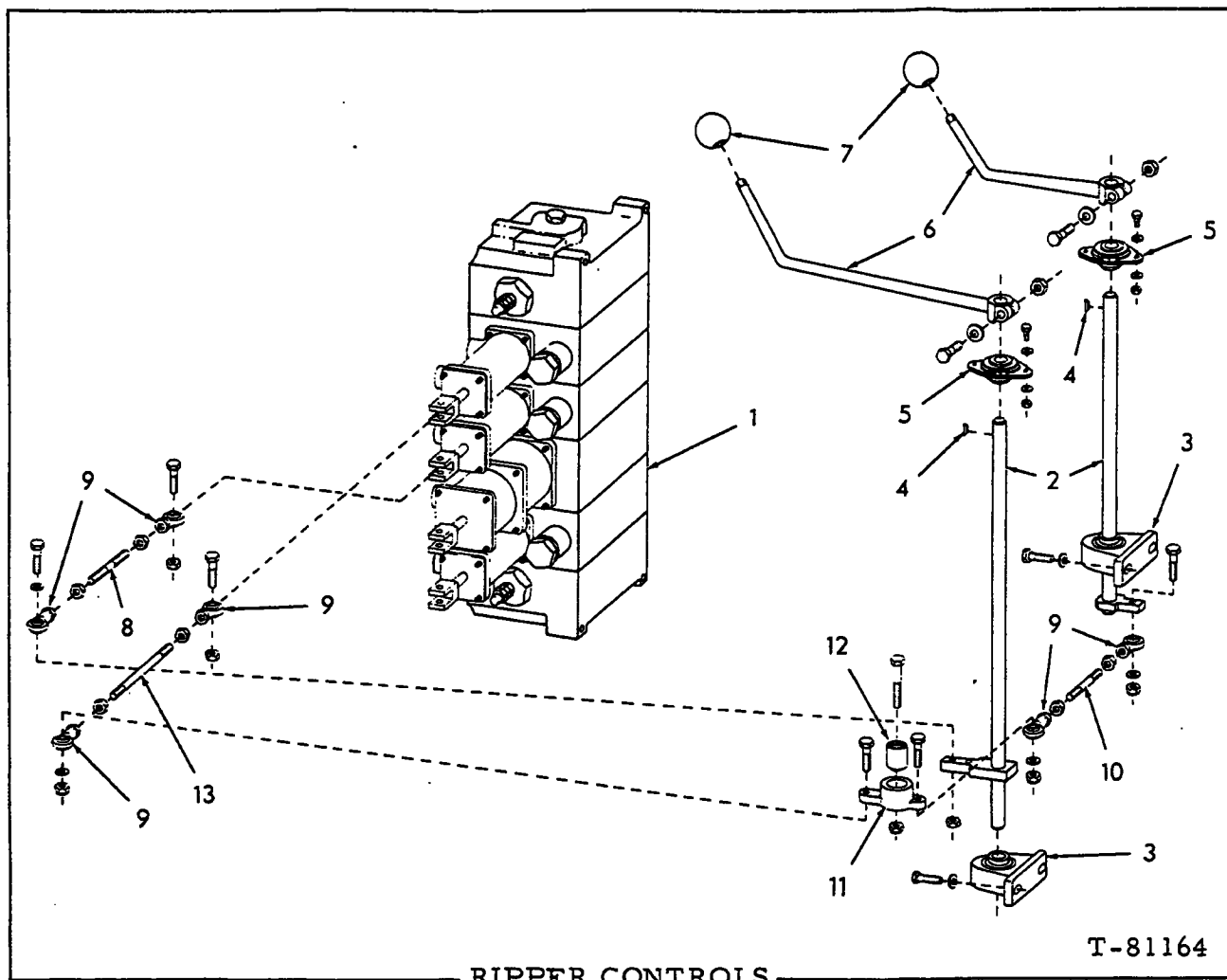
} Each includes SHAFT

□ Components of item 23



USAGE: Special equipment

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	1	VALVE ASSY. (See page 259)
2	70690613	1	-	LEVER
	73108003	-	1	LEVER } Each includes item 11
3	70690590	1	1	BEARING
	70921076	2	2	CAPSCREW, 3/8"NC x 1-1/4"
	70927453	2	2	WASHER
4	70905122	1	1	KEY
5	70666630	1	1	BEARING
6	70690174	1	-	LEVER
	70690580	-	1	LEVER
	70920995	1	1	CAPSCREW, 3/8"NC x 2"
	70927453	1	1	WASHER
	70910324	1	1	NUT, 3/8"NC
7	70090020	1	1	KNOB
8	70049993	2	2	PIN
	70900806	2	2	PIN, cotter, 1/8" x 1"
9	70690612	1	-	ROD
	73108954	-	1	ROD
	70913830	1	1	NUT, 1/2"NC
10	70068389	1	1	YOKE
11	70049988	1	1	BUSHING



USAGE: Special equipment. Tractors equipped with Power Assist Hydraulics.

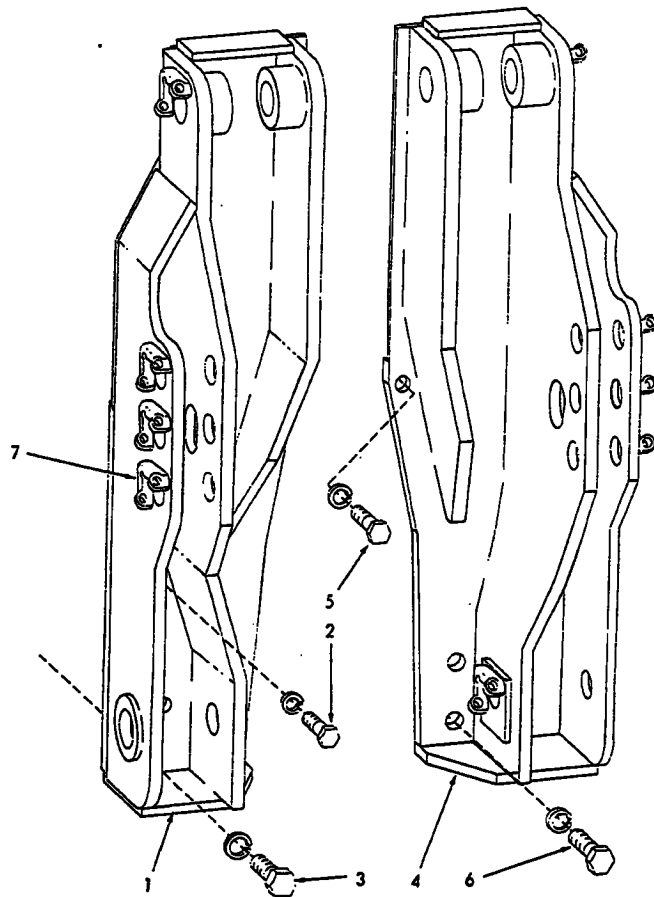
*Lift Control
 **Pitch Control

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	-----	1 1	VALVE ASSY. (See page 259A)
2	73113096	1 -	LEVER
	73113098	- 1	LEVER
3	70690590	1 1	BEARING
	70921076	2 2	CAPSCREW, 3/8"NC x 1-1/4"
	70927453	2 2	WASHER
4	70905122	1 1	KEY
5	70666630	1 1	BEARING
6	70690174	1 -	LEVER
	70690580	- 1	LEVER
	70920995	1 1	CAPSCREW, 3/8"NC x 2"
	70927453	1 1	WASHER
	70910324	1 1	NUT, 3/8"NC
7	70090020	1 1	KNOB

(Continued)

RIPPER CONTROLS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
8	70633955	1 -	ROD
	70911048	2 -	NUT, 3/8"NF
9	70617932	2 4	END, rod
	70927225	2 4	CAPSCREW, 3/8"NC x 1-5/8"
	70922465	1 3	WASHER
	70915891	2 4	NUT, 3/8"NC
10	70642130	- 1	ROD
	70911048	- 2	NUT, 3/8"NF
11	73113100	- 1	LEVER
12	70606392	- 1	BEARING
	70927174	- 1	CAPSCREW, 3/8"NC x 2-1/2"
	70915891	- 1	NUT, 3/8"NC
	70641968	- 1	ROD
	70911048	- 2	NUT, 3/8"NF



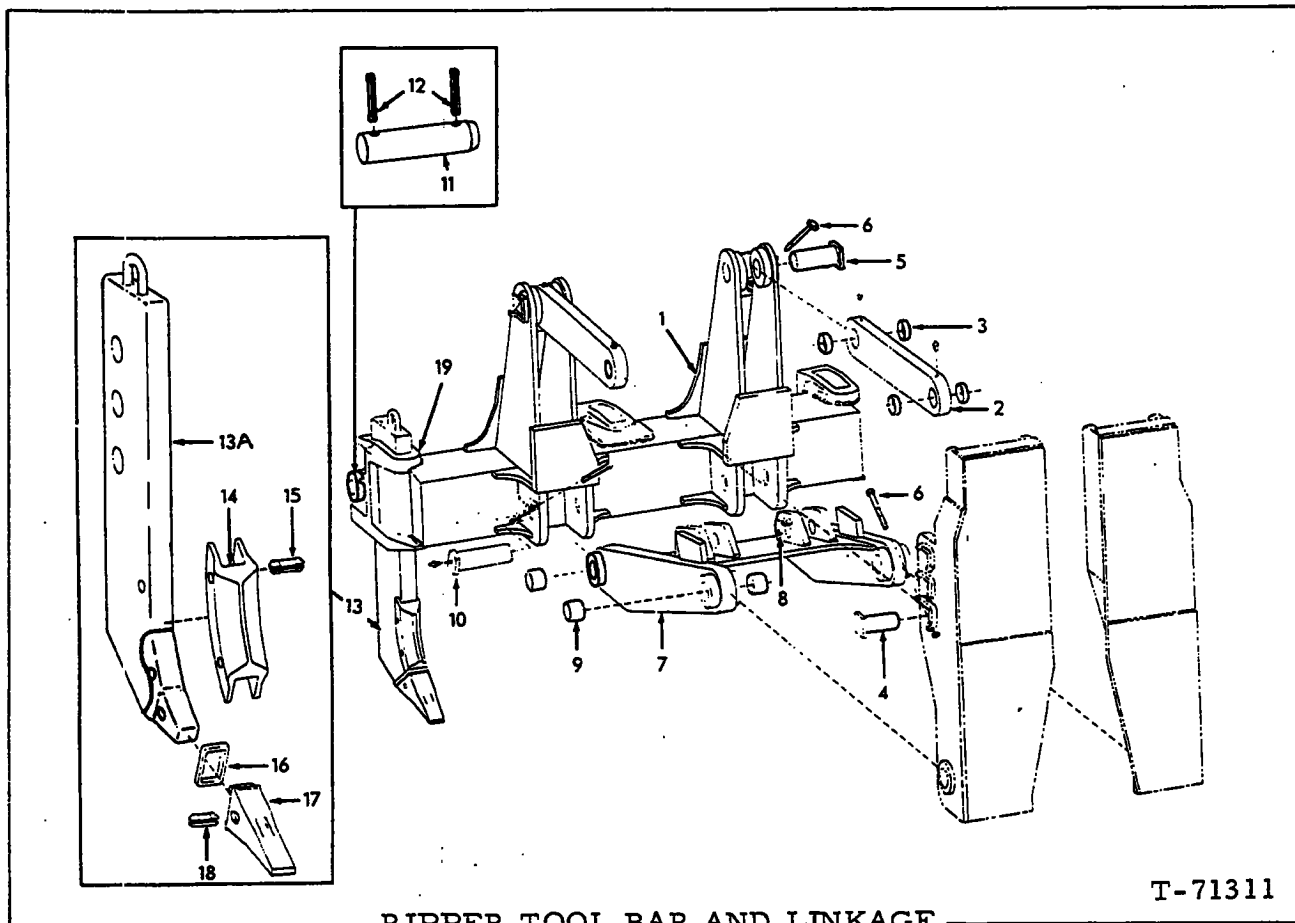
RIPPER MOUNTING FRAME

T-71215

USAGE: Special Equipment

ITEM PART NO. QTY. DESCRIPTION

1	70647621	1	FRAME, cylinder and ripper mounting, left (Includes item 7)
2	70926856	6	CAPSCREW, 1-1/4"NF x 4"
	70928453	6	WASHER
3	70926857	2	CAPSCREW, 1-1/2"NF x 4"
	70931652	2	WASHER
4	70647622	1	FRAME, cylinder and ripper mounting, right (Includes item 7)
5	70926856	6	CAPSCREW, 1-1/4"NF x 4"
	70928453	6	WASHER
6	70926857	2	CAPSCREW, 1-1/2"NF x 4"
	70931652	2	WASHER
7	70647808	10	STOP



RIPPER TOOL BAR AND LINKAGE

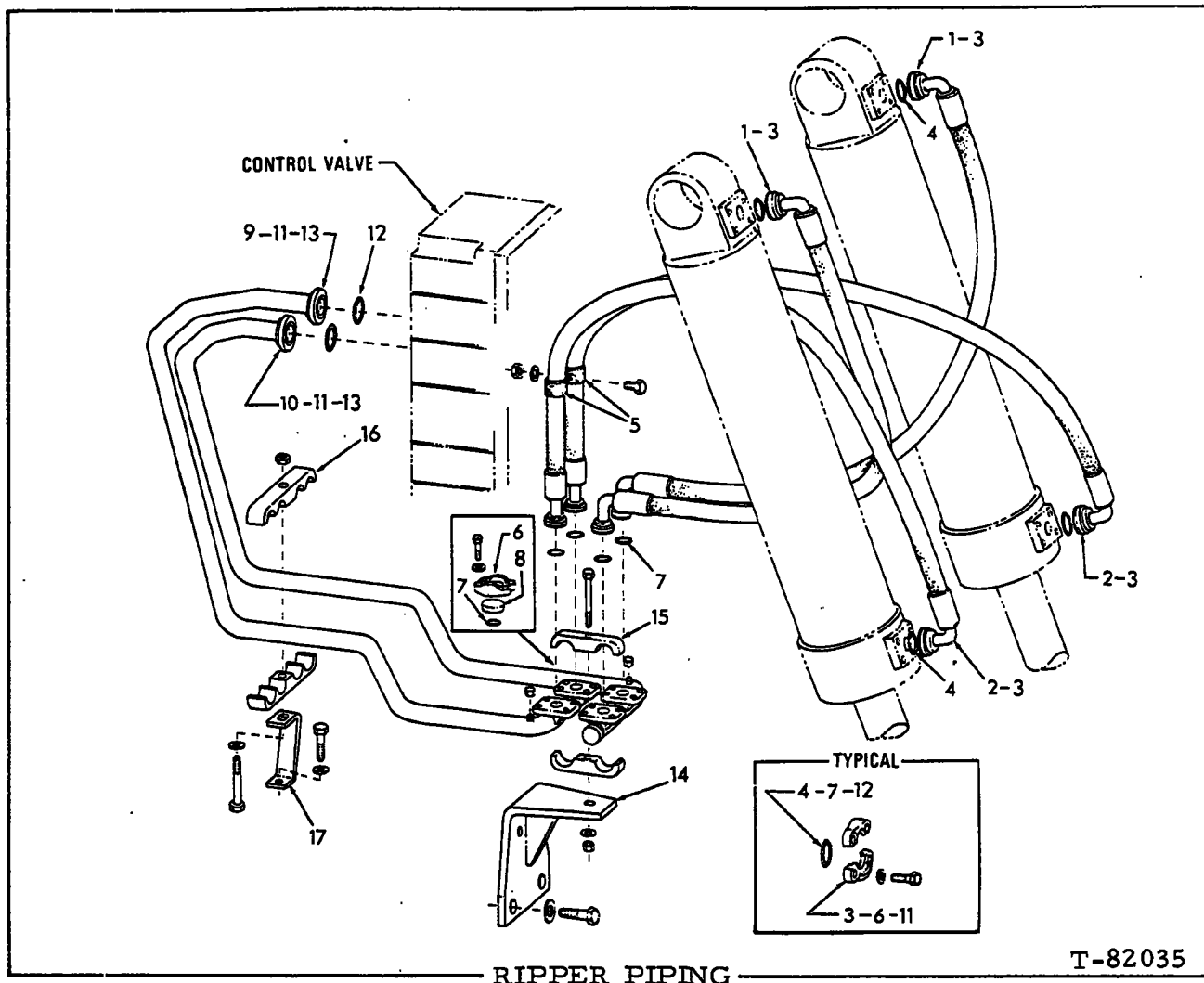
USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	70647640	1	BAR ASSY. (Includes items 8 and 19)
2	70647666	2	STRUT ASSY., upper (Includes item 3)
	70914465	4	FITTING, lubricating, straight, 1/8"NPT
3	70647665	8	BUSHING
4	70648173	2	PIN
5	70648174	2	PIN
6	70927181	8	CAPSCREW, 5/8"NC x 7"
	70914501	8	NUT, elastic stop, 5/8"NC
7	70647655	1	BEAM ASSY., lower (Includes items 8 and 9)
8	70647808	6	STOP
9	70647656	8	BUSHING
10	70648175	4	PIN
	70912497	4	FITTING, lubricating, straight, 1/4"NPT
11	70667157	3	PIN
12	70667156	6	PIN
13	70657731	3	SHANK ASSY. (Includes items 13A thru 18)
13A	73127461	3	SHANK
14	70657733	3	PLATE
15	70657736	6	PIN, flex, 1" x 4-7/8"
16	70657735	3	COLLAR

(Continued)

RIPPER TOOL BAR AND LINKAGE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
17	70657734	3	TOOTH, standard, 13-7/16" long (For general purpose, medium impact and wear resistance applications)
	73115402	3	TOOTH, optional, 12-5/8" long(For heavy duty, medium impact and wear resistance applications)
	70685542	3	TOOTH, optional, 12-5/8" long(For high impact applications)
	73109917	3	TOOTH, optional, 13-7/16" long(For extreme abrasive applications)
18	70657737	3	PIN (Flex, 7/8" x 4-1/4")
19	70647638	3	BRACKET (Requires welding to install)



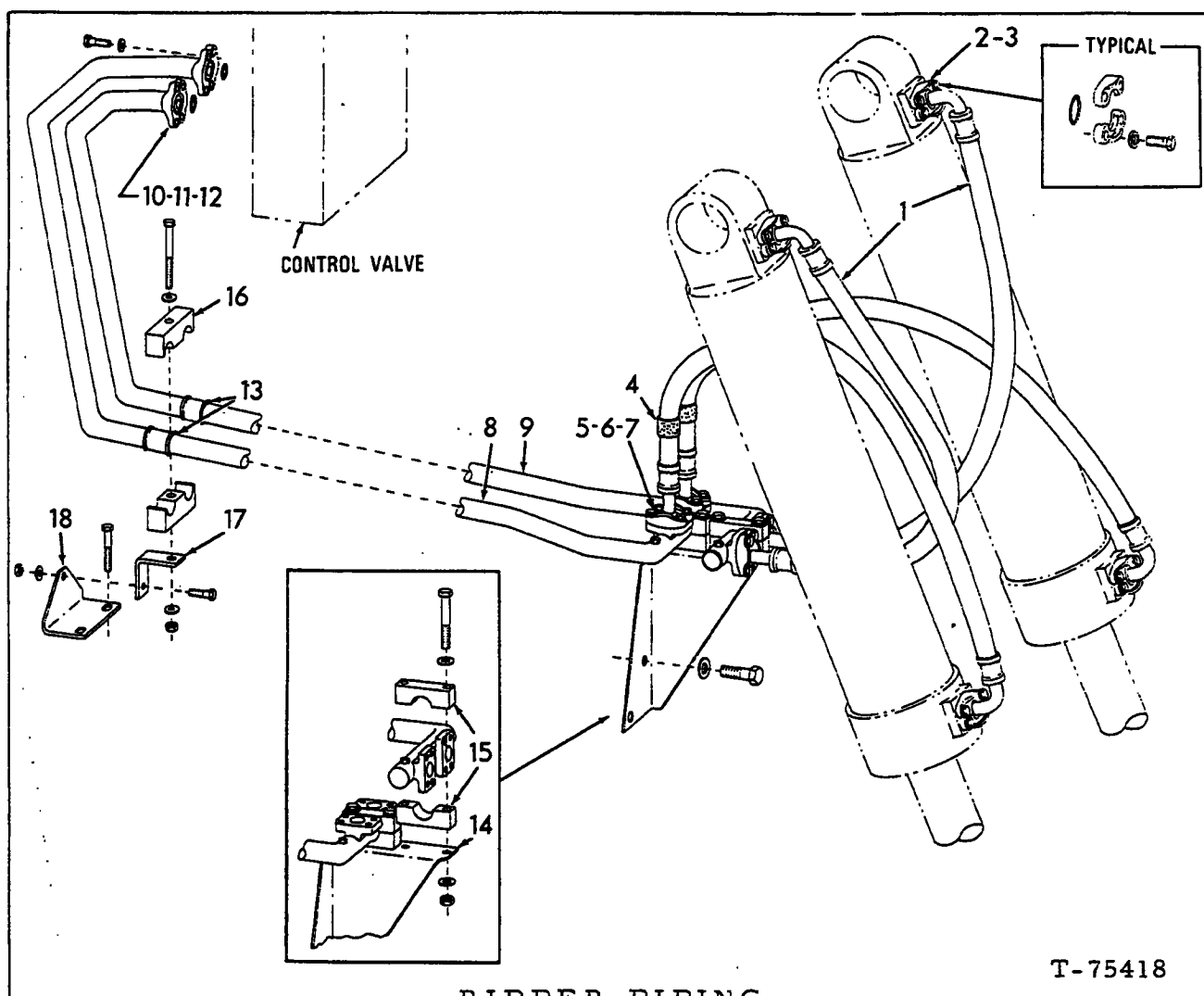
USAGE: Special Equipment. 21R ripper only. Effective approximately June 1978.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73111427	2	HOSE ASSY. (See HOSE PARTS)
2	70665638	2	HOSE ASSY. (See HOSE PARTS)
3	70921116	8	FLANGE (half only)
	70921076	16	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	16	LOCKWASHER, 3/8"
4	70931753	4	O-RING
5	70095869	2	CLIP
	70927219	1	CAPSCREW, 1/2"NC x 3/4"
	70912441	1	LOCKWASHER, 1/2"
	70911028	1	NUT, 1/2"NC
6	70921115	8	FLANGE (half only)
	70921076	16	CAPSCREW, 3/8"NC x 1-1/4"
	70930370	16	WASHER
7	70931857	4	O-RING
8	70666575	4	PLUG(Used only when cylinder lines are disconnected)
9	73108952	1	TUBE
	70921467	1	CAP, flare fitting, 1/4" tube

(Continued)

RIPPER PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	73108953	1	TUBE
	70921467	1	CAP, flare fitting, 1/4" tube
11	70921117	4	FLANGE
	70921569	8	CAPSCREW, 7/16"NC x 1-1/4"
	70929154	8	WASHER
12	70925919	2	O-RING
13	70643228	2	PLUG (Used only when ripper piping is disconnected)
14	73108987	1	BRACKET
	70924676	2	CAPSCREW, 5/8"NC x2"
	70677010	2	WASHER
15	70698397	2	CLAMP
	70924843	1	CAPSCREW, 3/8"NC x 3-1/2"
	70677006	1	WASHER
	70900367	1	NUT, 3/8"NC
16	73108850	2	CLAMP
	70926156	1	CAPSCREW, 1/2"NC x 3-1/4"
	70677008	1	WASHER
	70900369	1	NUT, 1/2"NC
17	73108958	1	BRACKET
	70921556	1	CAPSCREW, 1/2"NC x 2"
	70677008	1	WASHER



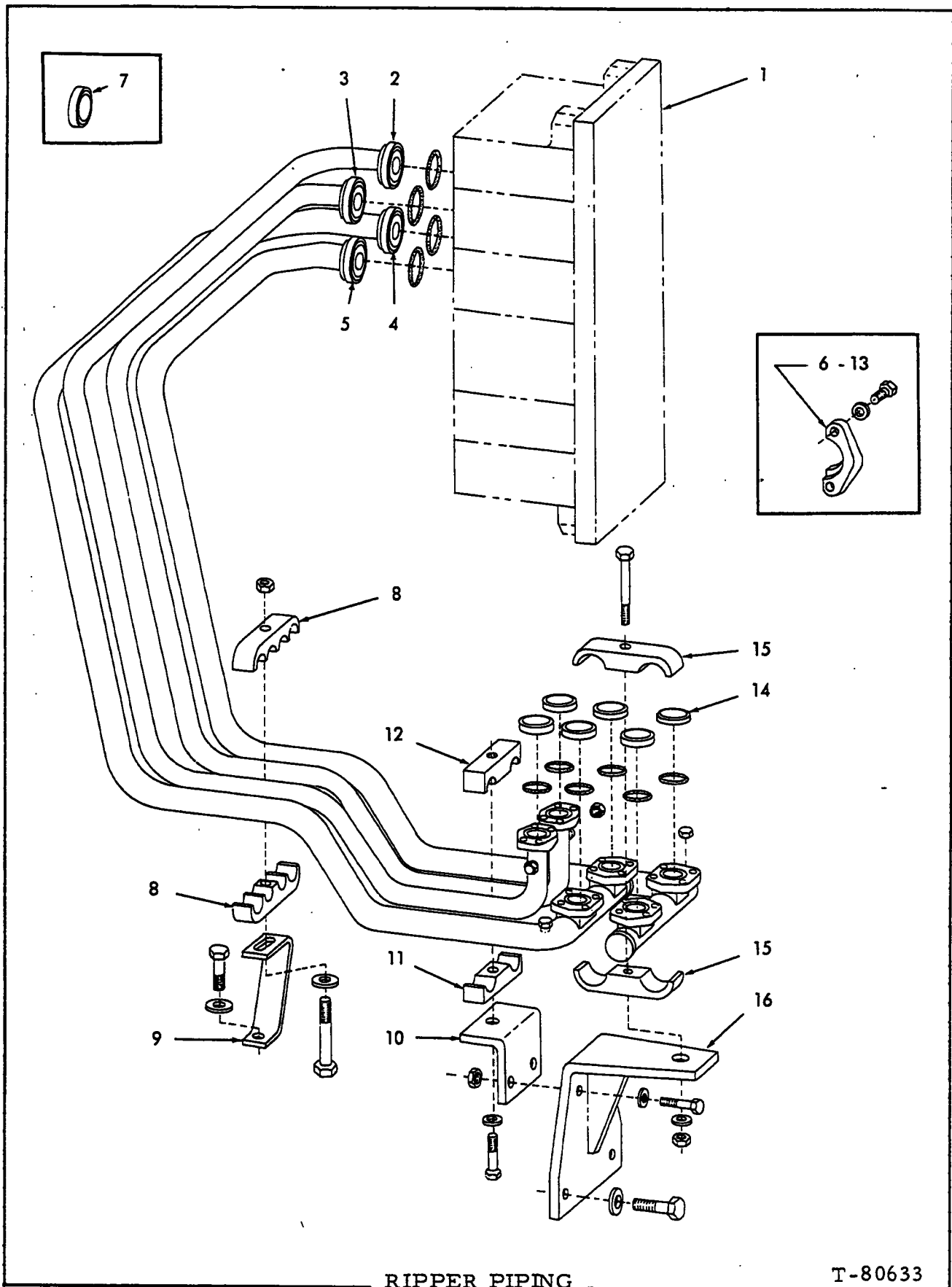
USAGE: Special equipment. 21R ripper only. Prior to approximately June 1978. See page 251B for latest type.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70665638	4	HOSE (See HOSE PARTS)
2	70921116	8	FLANGE (half only)
	70921076	16	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	16	LOCKWASHER, 3/8"
3	70931753	4	O-RING
4	70095869	2	CLIP
	70927219	1	CAPSCREW, 1/2"NC x 3/4"
	70912441	1	LOCKWASHER, 1/2"
	70911028	1	NUT, 1/2"NC
5	70921115	8	FLANGE (half only)
	70921076	16	CAPSCREW, 3/8"NC x 1-1/4"
	70930370	16	WASHER

(Continued)

RIPPER PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	70931857	4	O-RING
7	70666575	4	PLUG (Used only when cylinder lines are disconnected)
8	70690803	1	TUBE
	70921467	1	CAP, flare fitting, 1/4" tube
9	70690791	1	TUBE
	70921467	1	CAP, flare fitting, 1/4" tube
10	70921117	4	FLANGE
	70921569	8	CAPSCREW, 7/16"NC x 1-1/4"
	70929154	8	WASHER
11	70925919	2	O-RING
12	70643228	2	PLUG (Used only when ripper piping is disconnected)
13	70689863	4	BUSHING
14	70690774	1	ANGLE
	70926774	2	CAPSCREW, Nylok, 5/8"NC x 1-3/4"
	70677010	2	WASHER
15	70196645	4	CLAMP
	70922849	4	CAPSCREW, 3/8"NC x 4"
	70677006	8	WASHER
	70910324	4	NUT, 3/8"NC
16	70689813	2	CLAMP
	70922849	1	CAPSCREW, 3/8"NC x 4"
	70677006	2	WASHER
	70910324	1	NUT, 3/8"NC
17	70098369	1	ANGLE
	70920582	1	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	1	WASHER
	70910325	1	NUT, 1/2"NC
18	70690773	1	BRACKET
	70922510	2	CAPSCREW, 1/2"NC x 2-3/4"



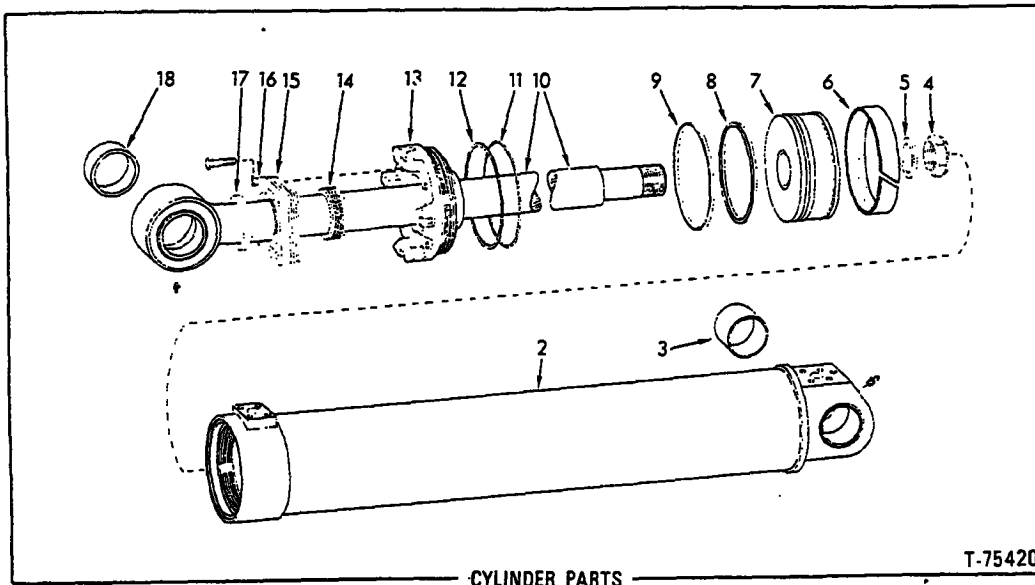
RIPPER PIPING

T-80633

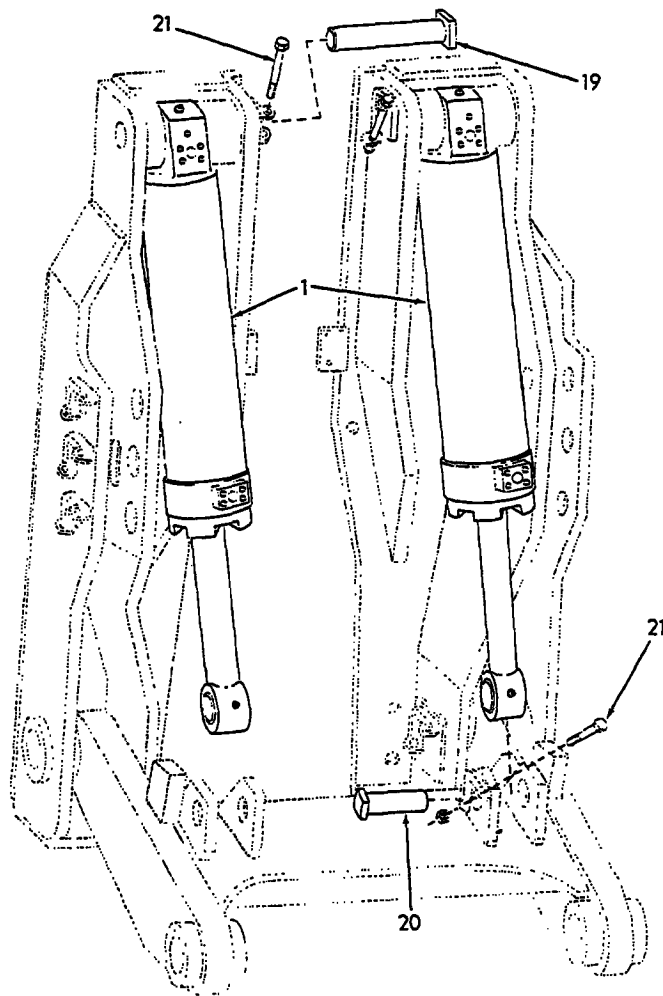
RIPPER PIPING

USAGE: "Kelley" Ripper

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	VALVE, control (See page 259)
2	73108233	1	TUBE
	70921467	1	CAP, flare type, 1/4" tube
3	73108951	1	TUBE
	70921467	1	CAP, flare type, 1/4" tube
4	73108952	1	TUBE
	70921467	1	CAP, flare type, 1/4" tube
5	73108953	1	TUBE
	70921467	1	CAP, flare type, 1/4" tube
6	70921117	8	FLANGE
	70925919	4	O-RING
	70923192	16	CAPSCREW, 7/16" NC x 1-1/2"
	70929154	16	WASHER
7	70643228	4	PLUG (Used only when piping is disconnected)
8	73108850	2	CLAMP
	70926156	1	CAPSCREW, 1/2" NC x 3-1/4"
	70677008	1	WASHER
	70900369	1	NUT, 1/2" NC
9	73108958	1	BRACKET
	70921556	1	CAPSCREW, 1/2" NC x 2"
	70677008	1	WASHER
10	73108956	1	BRACKET
	70922287	2	CAPSCREW, 3/8" NC x 1-3/4"
	70677006	2	WASHER
11	70680381	1	BLOCK
12	70680382	1	BLOCK
	70921556	1	CAPSCREW, 1/2" NC x 2"
13	70921115	12	FLANGE
	70931857	6	O-RING
	70921076	24	CAPSCREW, 3/8" NC x 1-1/4"
	70930370	24	WASHER
14	70666575	6	PLUG (Used only when ripper is disconnected)
15	70698397	2	CLAMP
	70924843	1	CAPSCREW, 3/8" NC x 3-1/2"
	70677006	1	WASHER
	70900367	1	NUT, 3/8" NC
16	73108987	1	BRACKET
	70924676	2	CAPSCREW, 5/8" NC x 2"
	70677010	2	WASHER



CYLINDER PARTS



T-75419

RIPPER CYLINDERS

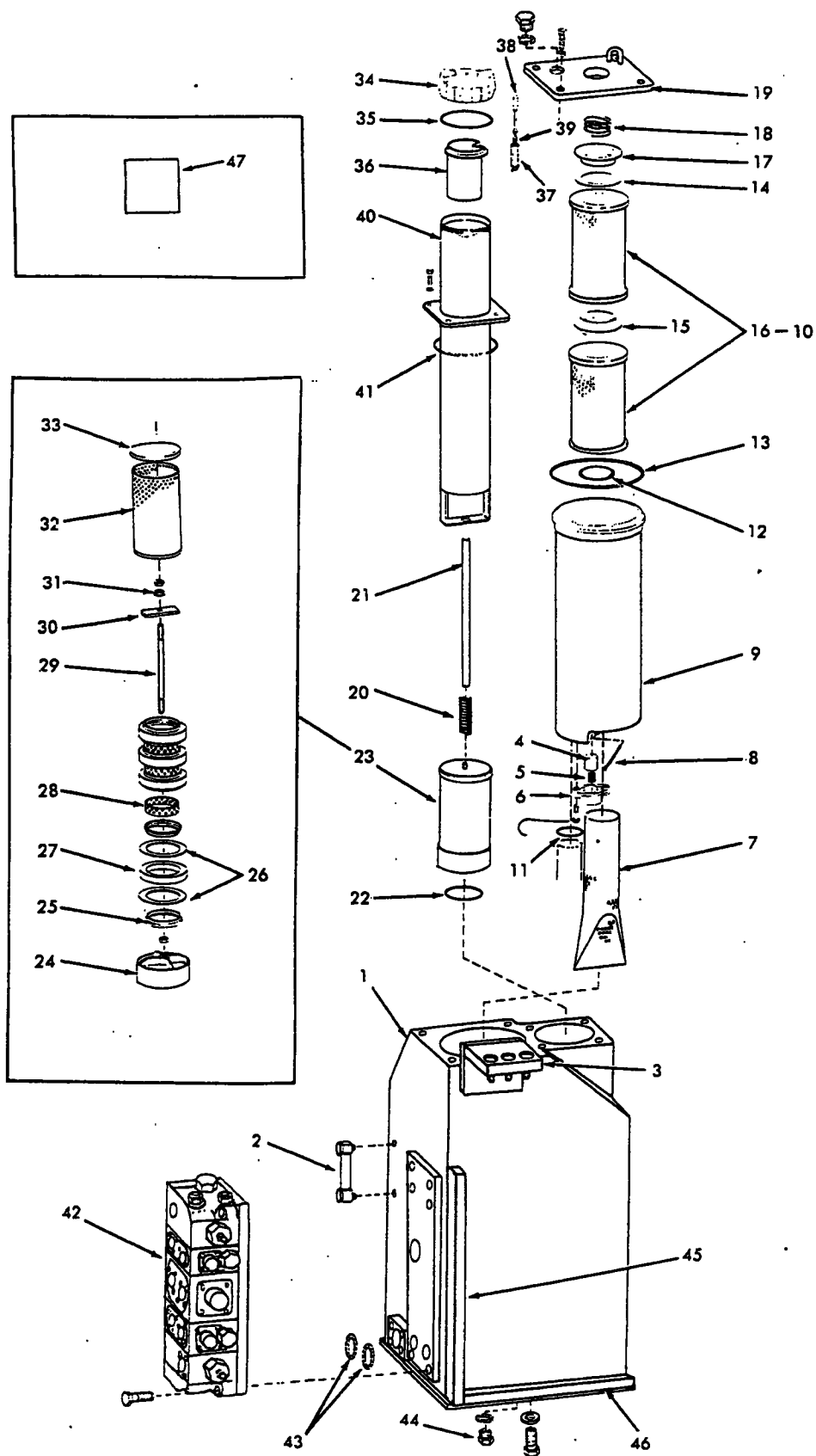
RIPPER CYLINDERS

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73058692	2	CYLINDER ASSY. (Consists of items 2 thru 18)
2	73052959	2	CYLINDER ASSY. (Includes item 3)
	70914465	4	FITTING, lubricating, 1/8"NPT
3	73008156	4	BUSHING
4	73073214	2	NUT
5	73054108	2	SPACER
6	73052992	2	□RING
7	73059240	2	PISTON
8	70926820	2	□RING (inner)
9	73052994	2	□RING (outer)
10	73064314	2	ROD ASSY. (Includes item 18)
	70914465	2	FITTING, lubricating, 1/8"NPT
11	70931185	2	□O-RING
12	73063371	2	□RING
13	73062199	2	HEAD
14	73054073	2	□PACKING SET
15	73054488	4	SHIM (Use as required)
16	73059354	1	PLATE
	70915987	8	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	8	LOCKWASHER, 1/2"
17	73052942	2	□WIPER
18	73050797	4	BUSHING
19	70681545	2	PIN
20	70648173	2	PIN
21	70927181	4	CAPSCREW 5/8"NC x 7"
	70914501	4	NUT, elastic stop, 5/8"NC
22	73056486	2	REPAIR KIT, cylinder (Includes parts for one (1) cylinder)(Not illustrated)

□Components of item 22

(Revised April 1980)



HYDRAULIC TANK

T-76016

			HYDRAULIC TANK	
ITEM	PART NO.	QTY.	DESCRIPTION	
1	70687784	1	TANK (Tractors prior to unit #21617)	
	73111279	1	TANK (Tractor unit #21617 and up)	
	70922744	3	CAPSCREW, 3/4"NC x 2-1/2"	
	70677012	3	WASHER	
2	70678984	1	GAUGE (Includes capscrews and gaskets)	
	70915746	2	NUT, 1/2"NF	
3	70698346	1	PLATE	
	70920585	6	CAPSCREW, 1/2"NC x 1-3/4"	
	70677008	6	WASHER	
4	70647151	1	VALVE	
5	70647108	1	SPRING	
6	70647122	1	CAP	
	70927597	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/2"	
	70023633	1	WIRE, locking, 1/16" x 12"	
7	70663940	1	TUBE	
8	70919271	1	PIN, cotter	
9	70662468	1	HOUSING	
	70928798	1	CAPSCREW, Nylok, 3/8"NC x 3/4"	
	70910287	1	LOCKWASHER, 3/8"	
10	70664000	1	ELEMENT KIT (Consists of 2 elements and items 11 thru 15)	
11	70923579	1	O-RING	
12	70924146	1	O-RING	
13	70923951	1	O-RING	
14	70663977	1	GASKET	
15	70666423	1	CONNECTOR	
16	-----	2	ELEMENT (Order item 10)	
17	70666422	1	CAP	
18	70641027	1	SPRING	
19	70687868	1	COVER (Tractors prior to unit #21419)	
	73109414	1	COVER	
	70921216	1	PLUG, hex-hd., 1-5/16" straight thd. (Includes O-RING)	
	70921214	1	O-RING	
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"	
	70677006	4	WASHER	
20	70629407	1	SPRING	
21	73107643	1	ROD	
22	70923581	1	O-RING (Tractors prior to unit # 21985)	
23	70670698	1	SEPARATOR ASSY. (Consists of items 24 thru 33)	
24	70670741	1	HEAD	
25	70666388	2	SPACER	
26	70666387	8	PLATE	
27	70666385	4	MAGNET	
28	70666383	3	SPACER	
29	70670699	1	TIE-ROD	
30	70666382	1	BRIDGE	
31	70666565	4	NUT	
32	70666384	1	SLEEVE	
33	70670735	1	PLATE	
34	70665726	1	CAP	
35	70923950	1	O-RING	
36	70671325	1	STRAINER	
37	70666634	1	GUIDE	
38	70665767	1	PLUNGER	

(Continued)

(Revised May 1982)

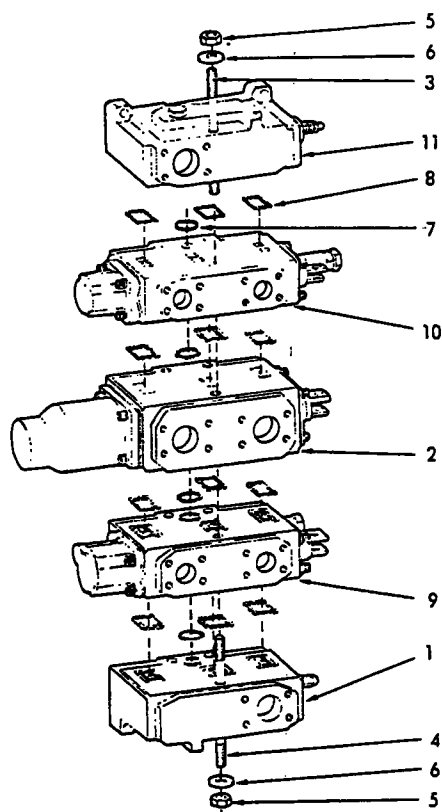
HYDRAULIC TANK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
39	70666654	1	SPRING
40	70687875	1	TUBE
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	4	WASHER
41	70923594	1	O-RING
42	-----	1	VALVE ASSY., control (See page 259)
	70924864	4	CAPSCREW, 1/2"NC x 2-1/4"
43	70933687	2	O-RING
44	70921204	1	PLUG, hex-hd., 1-1/16" straight thd. (Includes O-RING)
	70921206	1	O-RING
45	-----	1	SEAL (21.62" long)
46	-----	1	SEAL (16.25" long)
47	73134825	1	SEAL (25' roll) (Use as required)

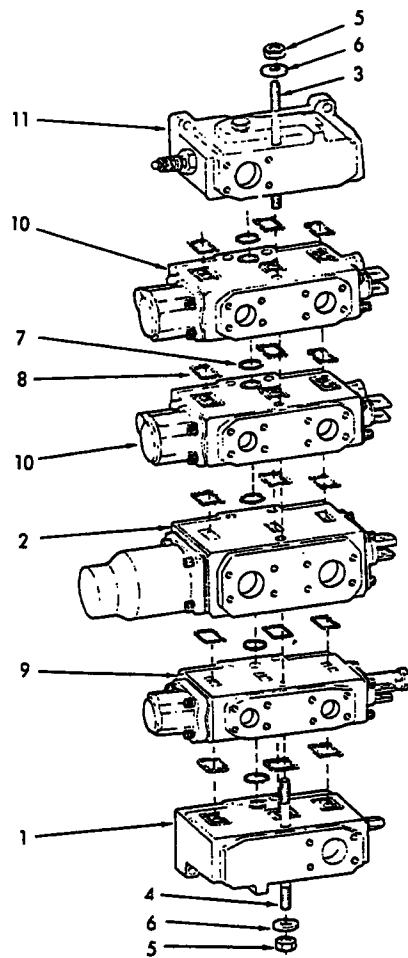
} Order item 47

NOTE: See PAINTING AND MARKING for transfer

(Revised May 1982)



70689435



70692900

T-79864

CONTROL VALVE

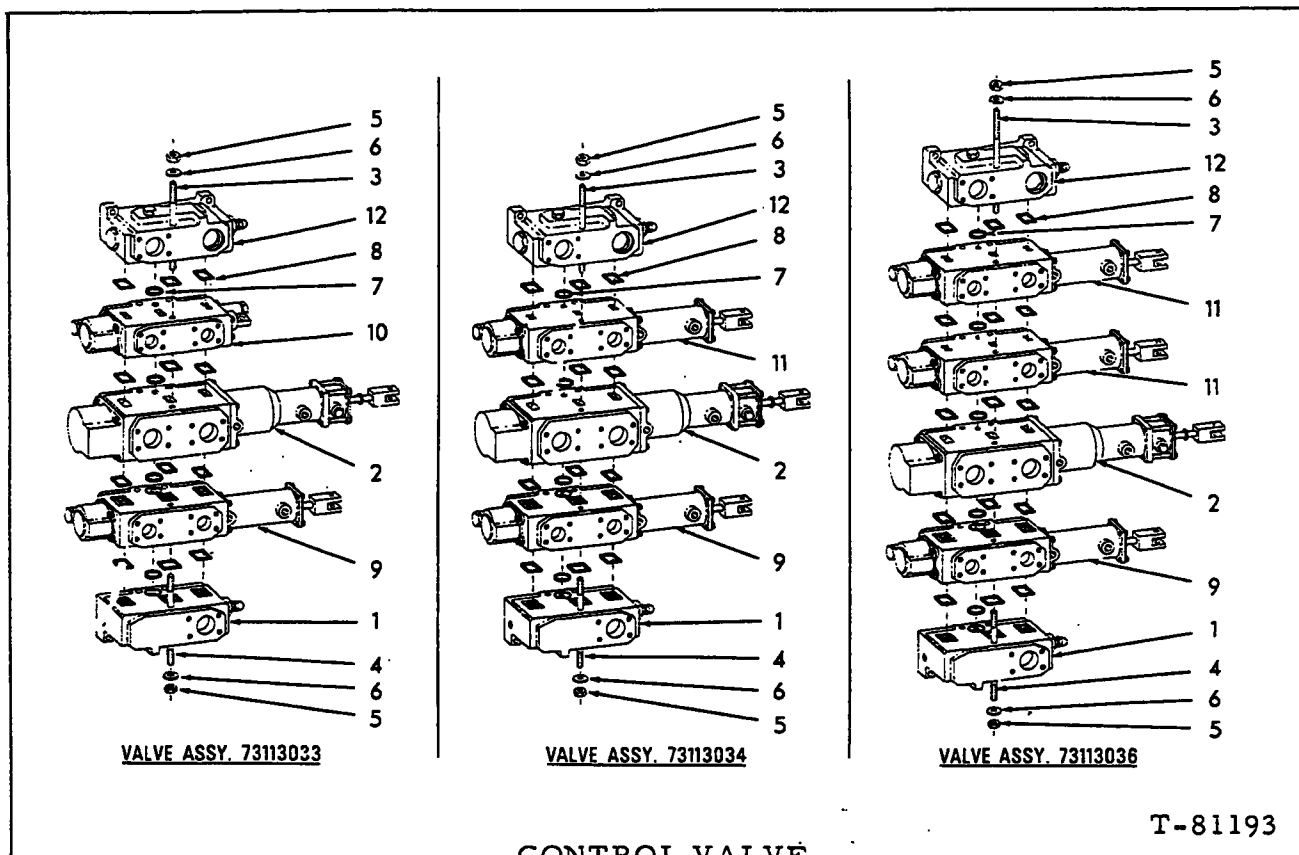
USAGE: Tractors prior to unit #71A21617. See page 258.

* Units not equipped with "Kelley" Ripper

** Units equipped with "Kelley" Ripper

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
-	70689435	1 -	VALVE ASSY. (3-spool) } Each includes
-	70692900	- 1	VALVE ASSY. (4-spool) } items 1 thru 11
1	70680513	1 1	VALVE ASSY. (See page 264)
2	73107368	1 1	VALVE ASSY. (First type) } See page 260
	73109998	1 1	VALVE ASSY. (Second type)
3	70664747	2 -	STUD (7-7/8" long)
	73110600	1 -	STUD (8-3/4" long)
	70698423	- 3	STUD
4	70664748	3 3	STUD (7-1/2" long)
5	70668231	6 6	NUT, 5/8" NC
6	70659494	6 6	WASHER
7	70659496	4 5	RING
8	70659497	12 15	RING
9	70660869	1 1	VALVE ASSY. } See page 262 and 259B
10	70698577	1 2	VALVE ASSY.
11	70698574	1 1	VALVE ASSY. (See page 264)

(Revised June 1980)



T-81193

CONTROL VALVE

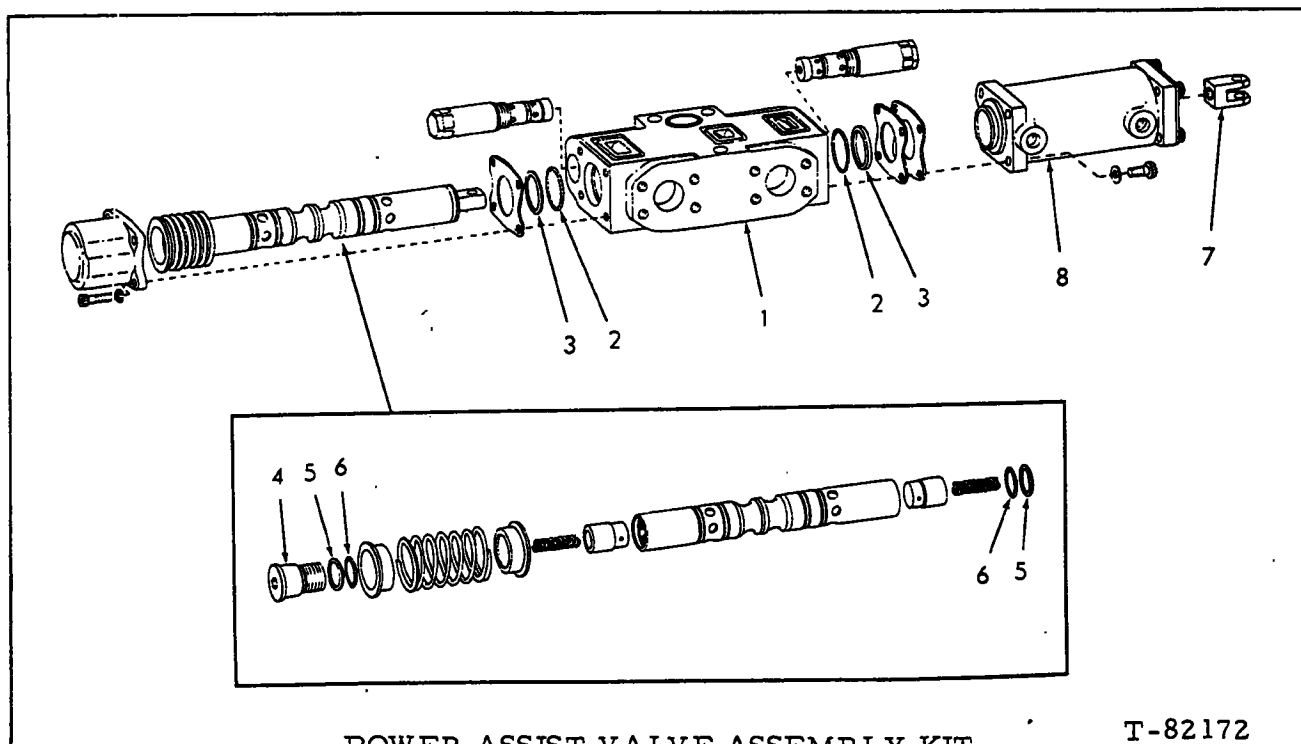
USAGE: Tractors S/N 71A21617 and up. See page 258.

*Units not equipped with Power Assisted Ripper

**Units equipped with Power Assisted Ripper

***Units equipped with Power Assisted "Kelley" Ripper

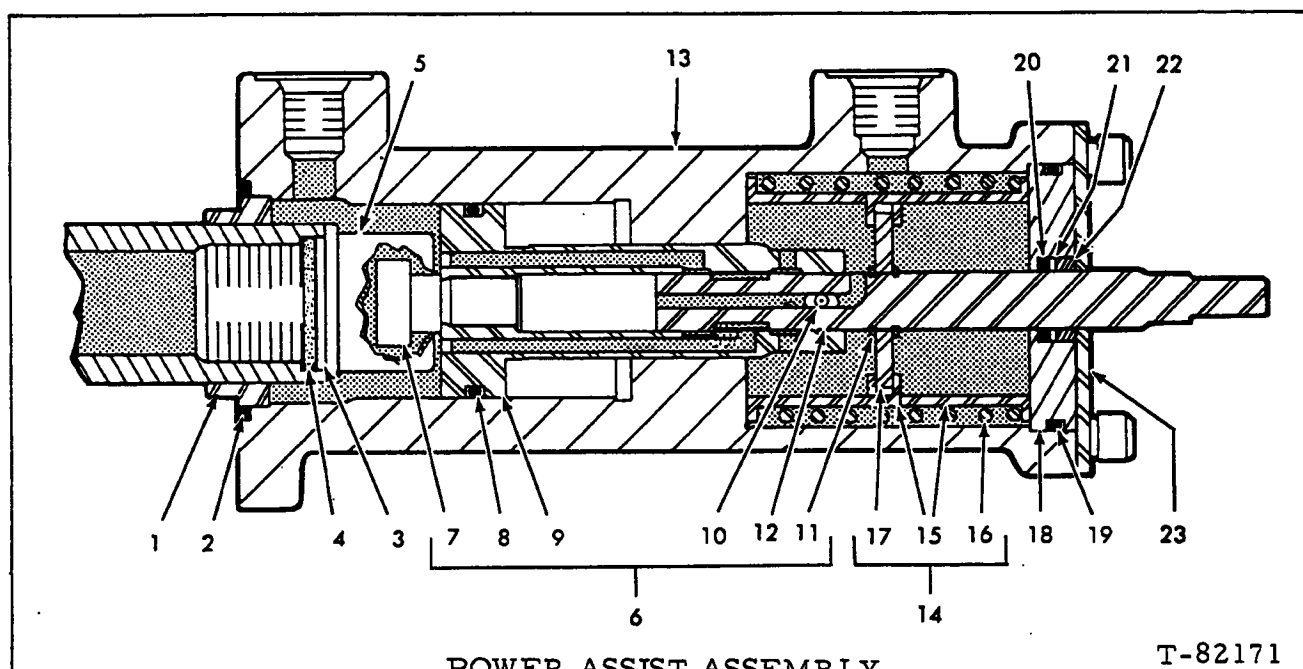
ITEM	PART NO.	QUANTITY			DESCRIPTION	
		*	**	***		
-	73113033	1	-	-	VALVE ASSY. (3 spool)	Each includes items 1 thru 12
-	73113034	-	1	-	VALVE ASSY. (3 spool)	
-	73113036	-	-	1	VALVE ASSY. (4 spool)	
1	73115957	1	1	1	VALVE ASSY., relief (See page 265A)	
2	73113037	1	1	1	VALVE ASSY., dozer (See page 261A)	
3	70664747	2	2	-	STUD (7-7/8" long)	
	73110600	1	1	-	STUD (8-3/4" long)	
	70698423	-	-	3	STUD (11" long)	
4	70664748	3	3	3	STUD (7-1/2" long)	
5	70668231	6	6	6	NUT, 5/8"NC	
6	70659494	6	6	6	WASHER	
7	70925937	4	4	5	RING	
8	70925938	12	12	15	RING	
9	73113038	1	1	1	VALVE ASSY., tilt (See page 263A)	
10	73113041	1	-	-	VALVE ASSY., (See page 262)	
11	73113039	-	1	2	VALVE ASSY., ripper control (See page 263A)	
12	73113040	1	1	1	VALVE ASSY., relief (See page 265A)	



USAGE: Tractors prior to S/N 71A21617 that have been equipped with special Power Assist Kit.

NOTE: Items listed below are parts needed to modify VALVE ASSY. 70660869 for use in Power Assist Hydraulics

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	HOUSING (See page 262)
2	70925934	2	O-RING
3	73115266	2	RING, back-up
4	73115264	1	BOLT, stripper
5	73115265	2	RING
6	70933491	2	O-RING
7	73112934	1	YOKE
8	73115272	1	POWER ASSIST (See page 259C)
	70926269	4	CAPSCREW, skt-hd., 5/16"NC x 1-1/4"



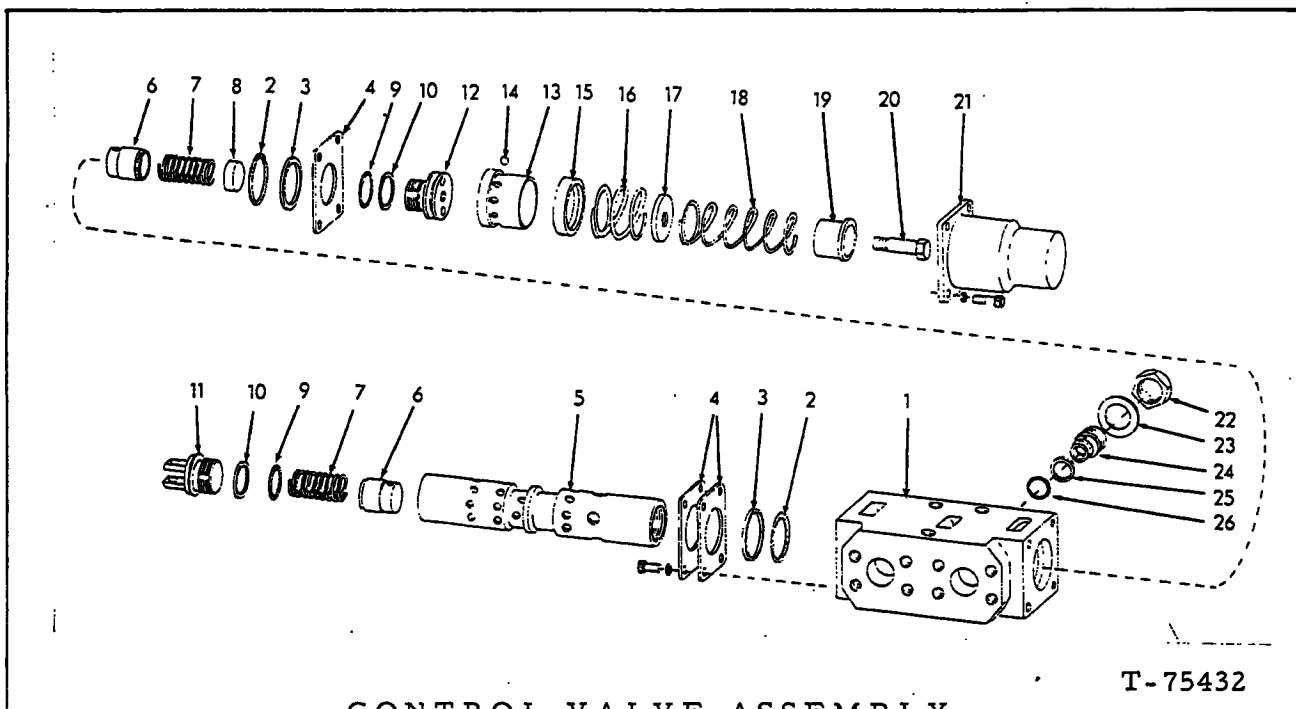
POWER ASSIST ASSEMBLY

T-82171

USAGE: Tractors prior to serial No. 71A21617 that have been equipped with the special Power Assist Kit. (See page 259B)

ITEM	PART NO.	QTY.	DESCRIPTION
-	73115272	1	VALVE ASSY., Power Assist (includes items 1 thru 23)
1	73118764	1	SLEEVE
2	-----	1	O-RING
3	-----	1	RING
4	-----	1	O-RING
5	-----	1	LUG, spool
6	73118768	1	PISTON ASSY. (Includes item 7 thru 12)
7	-----	1	LUG, piston
8	-----	1	O-RING
9	-----	1	PISTON
10	73118767	1	PIN, retaining
11	73117208	2	RING, snap
12	-----	1	SPOOL, master
13	-----	1	HOUSING
14	73118772	1	SPRING ASSY. (Includes items 15 thru 17)
15	-----	2	RETAINER
16	-----	1	SPRING
17	-----	1	WASHER
18	73118765	1	CAP
19	-----	1	O-RING
20	70923565	1	O-RING
21	-----	1	RING, back-up (steel)
22	73118763	1	SEAL, wiper
23	73118762	1	PLATE, retainer
	70925640	4	CAPSCREW, 5/16"NC x 3/4"
	70910286	4	LOCKWASHER, 5/16"
24	73118771	1	SEAL AND REPAIR KIT (Includes items 2, 8, 11 and 19 thru 22)

Components of item 24



T-75432

CONTROL VALVE ASSEMBLY

USAGE: Tractors prior to S/N 71A21617. See page 259.

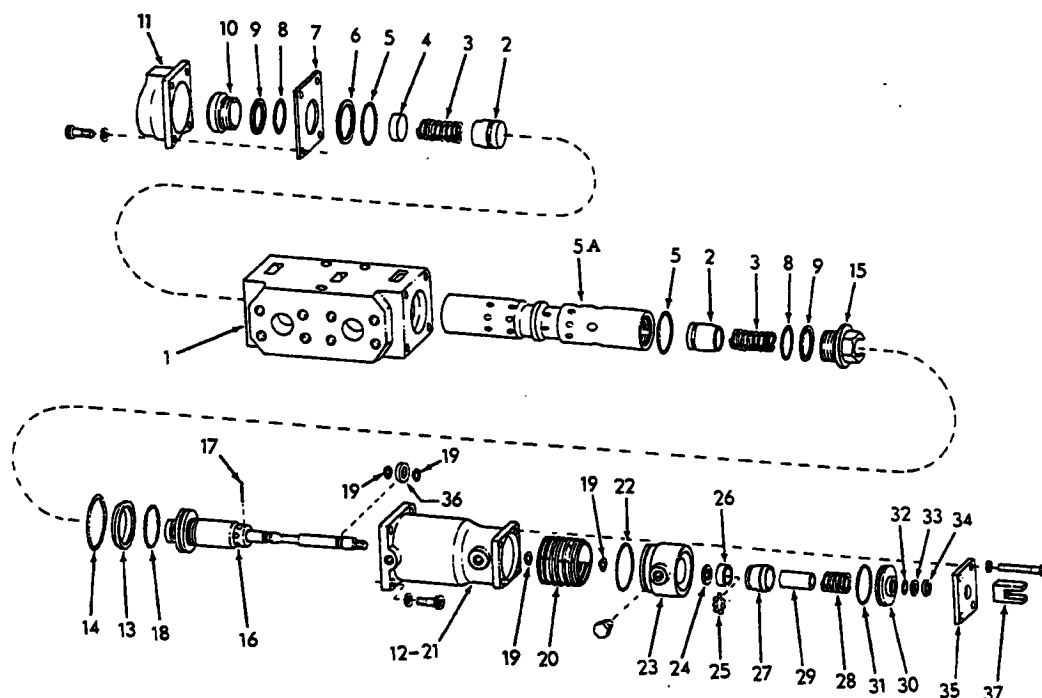
ITEM	PART NO.	QTY.	DESCRIPTION
-	73107368	1	VALVE ASSY. (First type)(Includes items 1 thru 26)
-	73109998	1	VALVE ASSY. (Second type)(Includes items 1 thru 21)
1	-----	1	HOUSING (Not serviced separately)
2	70923580	2	O-RING
3	70664577	2	RING
4	70664575	3	PLATE
	70925640	4	CAPSCREW, socket-hd., 5/16"NC x 3/4"
	70910286	4	LOCKWASHER, 5/16"
5	-----	1	PLUNGER (Not serviced separately)
6	70680246	2	VALVE
7	70680244	2	SPRING
8	70680511	1	SPACER
9	70927101	2	O-RING
10	70664587	2	RING
11	70680245	1	CLEVIS
12	70680241	1	DETENT
13	70664571	1	RETAINER
14	70924855	6	BALL, steel, 3/8" diam.
15	70664572	1	SLEEVE
16	70664582	1	SPRING
17	70664573	1	WASHER
18	70664581	1	SPRING
19	70664569	1	GUIDE
20	70664574	1	BOLT

(Continued)

CONTROL VALVE ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	70664586	1	CAP
	70926269	4	CAPSCREW, socket-hd., 5/16"NC x 1-1/4"
	70910286	4	LOCKWASHER, 5/16"
22	70664588	1	CAP
23	70664584	1	GASKET
24	73107825	1	PLUG
25	70668840	1	RING
26	70925638	1	O-RING

} First type



T-81827

DOZER CONTROL VALVE

USAGE: Tractors S/N71A21617 and up. See page 259A.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73113037	1	VALVE ASSY. (Includes items 1 thru 37)
1	-----	1	HOUSING (Not serviced separately)
2	70680246	2	VALVE
3	70680244	2	SPRING
4	70680511	1	SPACER
5	70923580	2	O-RING
5A	-----	1	PLUNGER (Not serviced separately)
6	70664577	1	RING
7	70664575	1	PLATE
8	70933912	2	O-RING
9	73122982	2	RING
10	73118781	1	BOLT
11	73118780	1	CAP
	70926269	4	CAPSCREW, socket-hd., 5/16"NC x 1-1/4"
	70910286	4	LOCKWASHER, 5/16"
12	73113043	1	VALVE ASSY., power assist (Includes items 13 thru 36)
	70926269	4	CAPSCREW, socket-hd., 5/16"NC x 1-1/4"
	70910286	4	LOCKWASHER, 5/16"
13	73118812	1	SLEEVE, pilot
14	-----	1	*O-RING
15	73118806	1	LUG
16	73118807	1	PISTON ASSY. (Includes detent bolt, piston lug and piston which are not serviced separately, also item 17)
17	73118814	1	PIN, retaining
18	-----	1	*O-RING

(Continued)

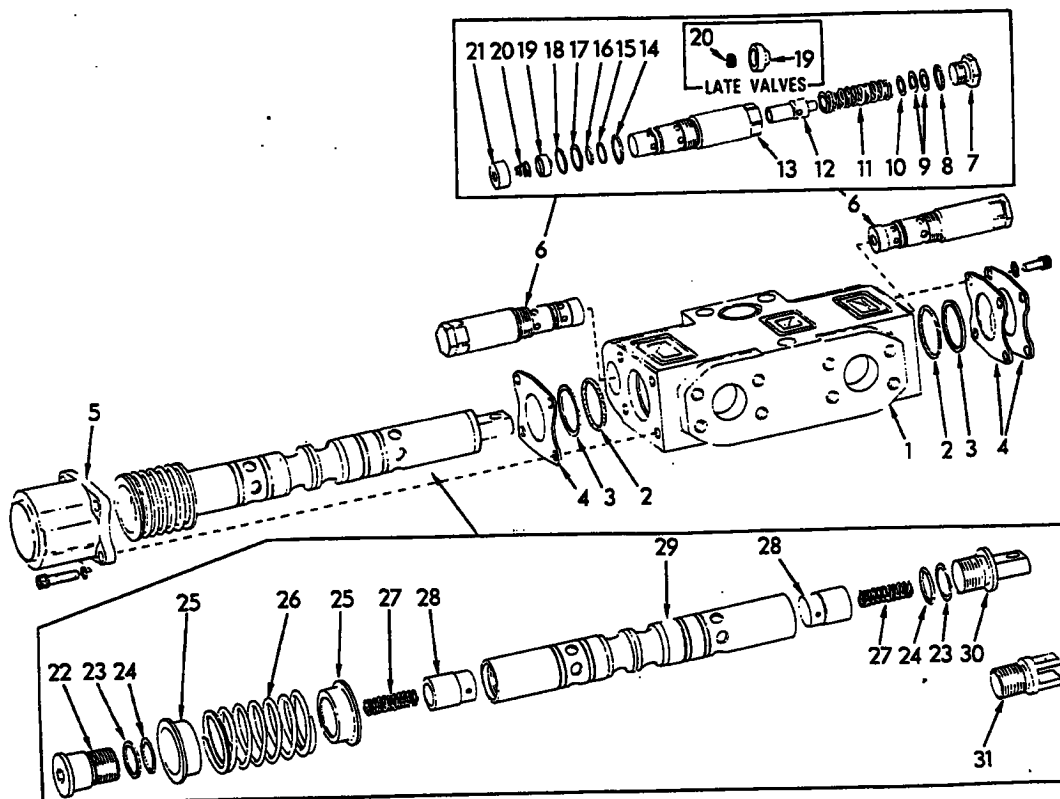
(Revised May 1982)

DOZER CONTROL VALVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
19	-----	4	*RING, snap
20	73118809	1	SPRING ASSY. (Serviced only as a unit)
21	-----	1	HOUSING (Not serviced separately)
22	-----	1	*O-RING
23	73134317	1	HOUSING, automatic kickout
	70922577	1	PLUG
24	-----	1	□ PLATE, ball retainer
25	70921874	7	□ BALL, detent
26	-----	1	□ SLEEVE, ball retainer
27	-----	1	□ PISTON, automatic kickout
28	-----	1	□ SPRING
29	-----	1	□ RING, ball retainer
30	73118810	1	CAP
31	-----	1	*O-RING
32	70923565	1	*O-RING
33	-----	1	*RING, back-up
34	73118763	1	*SEAL
35	73118811	1	PLATE, retainer
	70925610	4	CAPSCREW, 5/16"NC x 3"
	70910286	4	LOCKWASHER, 5/16"
36	73118813	1	SPACER, stroke limiting
37	73112934	1	YOKE
38	73118771	1	SEAL AND REPAIR KIT
39	73113689	1	DETENT KIT

*Components of item 38

□ Components of item 39



T-75431

CONTROL VALVES

USAGE: See pages 259 and 259A.

*70660869 VALVE ASSY. } Tractors prior to S/N71A21617
 **70698577 VALVE ASSY. }
 ***73113041 VALVE ASSY. (Tractors S/N 71A21617 and up)

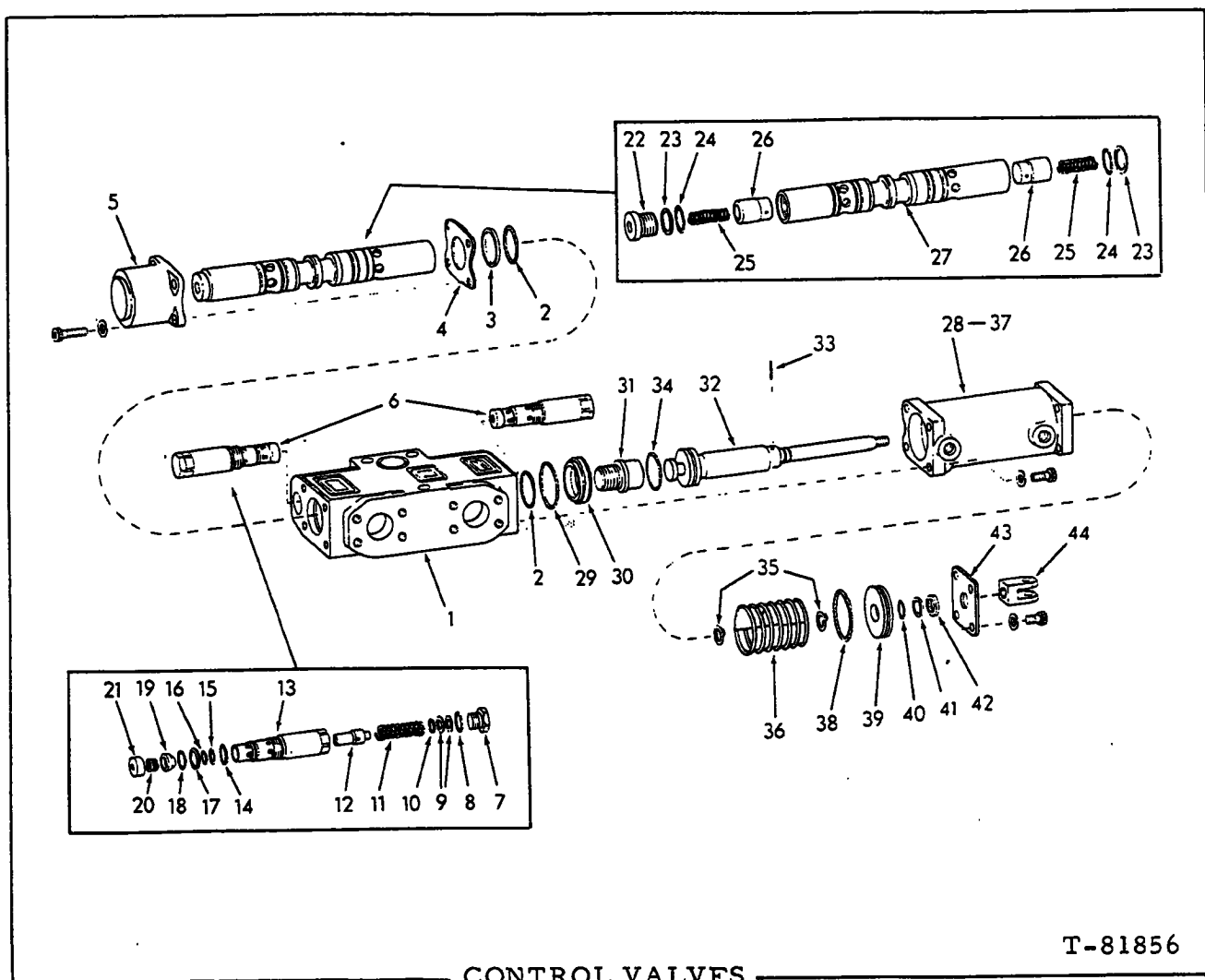
ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	-----	1	1	1	HOUSING (Not serviced separately)
2	70923813	2	-	-	O-RING
	70923576	-	2	2	O-RING
3	70664462	2	-	-	RING
	70658284	-	2	2	RING
4	70664464	3	-	-	PLATE
	70658286	-	3	3	PLATE
	70925192	4	4	4	CAPSCREW, socket-hd., 5/16"NC x 5/8"
	70904205	4	4	4	LOCKWASHER, 5/16"
5	70664456	1	-	-	CAP
	70658282	-	1	1	CAP
	70926269	4	4	4	CAPSCREW, socket-hd., 5/16"NC x 1-1/4"
	70904205	4	4	4	LOCKWASHER, 5/16"
6	70658466	2	2	-	VALVE ASSY., 2300 psi)(Valve Assy. 70698577 and 70660869)(Consists of items 7 thru 21)
	73118773	-	-	2	VALVE ASSY. (2600 psi)(Valve Assy. 73113041)(Consists of items 7 thru 21)

(Continued)

CONTROL VALVES (Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
7	70658363	2	2	2	CAP
8	70923379	2	2	-	O-RING (11/16" I.D.)
	70925929	-	-	2	O-RING (11/16" I.D.)
9	70658360	1	1	1	WASHER (1/64" thick)
	70911992	1	1	1	WASHER (1/16" thick)
10	70660792	1	1	1	SHIM (.005" thick)
11	70659555	2	2	2	SPRING
12	70658364	2	2	2	SEAT
13	-----	2	2	2	CARTRIDGE (Not serviced separately)
14	70924775	2	2	-	O-RING
	70925931	-	-	2	O-RING, outer (15/16" I.D.)
15	70660793	2	2	2	RING
16	70925081	2	2	-	O-RING, inner (9/16" I.D.)
	70925928	-	-	2	O-RING, inner (9/16" I.D.)
17	70665250	2	2	2	RING
18	70924854	2	2	-	O-RING, outer (13/16" I.D.)
	70925930	-	-	2	O-RING, outer (13/16" I.D.)
19	70658365	2	2	-	BALL ASSY. (Serviced only as a unit)
					(Early valves)
	73109599	2	2	2	POPPET (Late valves)
20	70658361	2	2	-	SPRING (conical)(Early valves)
	73109602	2	2	2	SPRING (straight)(Late valves).
21	70665174	2	2	2	CAP
22	70664458	1	-	-	BOLT
	70658279	-	1	1	BOLT
23	70664466	2	-	-	RING
	70660780	-	2	-	RING
	70925932	-	-	2	O-RING
24	70924922	2	-	-	O-RING
	70925069	-	2	-	O-RING
	73122982	-	-	2	RING
25	70664460	2	-	-	GUIDE
	70658280	-	2	2	GUIDE
26	70664461	1	-	-	SPRING
	70659506	-	1	1	SPRING
27	70665814	2	-	-	SPRING
	70659504	-	2	2	SPRING
28	70664459	2	-	-	VALVE
	70658278	-	2	2	VALVE
29	-----	1	1	1	PLUNGER (Not serviced separately)
30	70658281	-	1	1	CLEVIS
31	70665718	1	-	-	CLEVIS

(Revised May 1982)



CONTROL VALVES

USAGE: Tractors S/N 71A21617 and up. See page 259A.

*73113038 VALVE ASSEMBLY (Dozer Tilt Controls)
 **73113039 VALVE ASSEMBLY (Ripper Controls)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	-----	1	HOUSING Not serviced separately)
2	70923813	2	O-RING
	70923576	- 2	O-RING
3	70664462	1	RING
	70658284	- 1	RING
4	70664464	1	PLATE
	70658286	- 1	PLATE
5	70664456	1	CAP
	70658282	- 1	CAP
	70926269	4 4	CAPSCREW, 5/16"NC x 1-1/4"
	70910286	4 4	LOCKWASHER, 5/16"
6	73118773	2 -	VALVE ASSY. (2600 psi)(Includes items 7 thru 21)
	70665714	- 2	VALVE ASSY. (3000 psi)(Includes items 7 thru 21)

(Continued)

CONTROL VALVES (Continued)

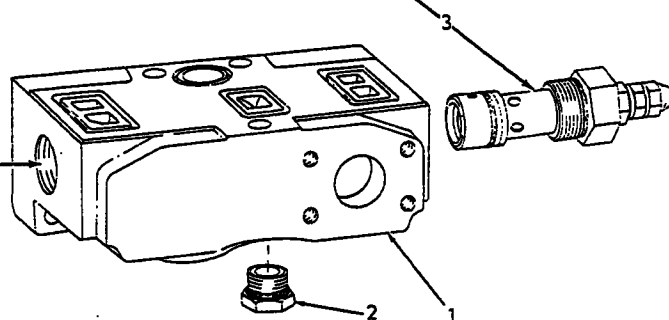
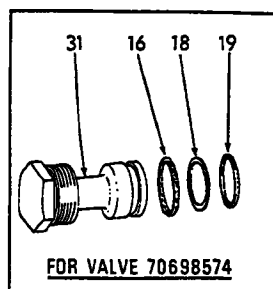
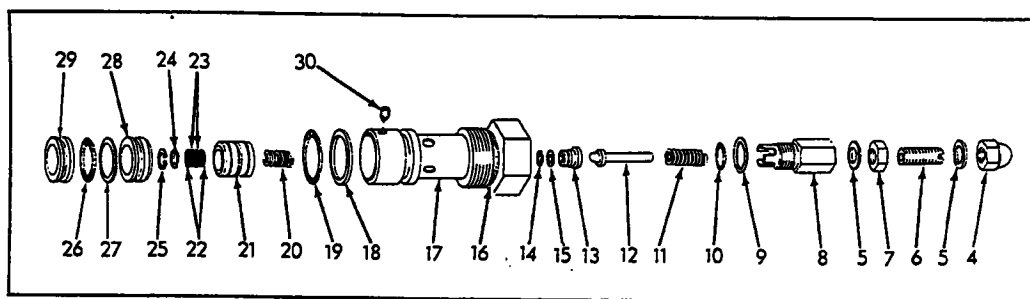
ITEM	PART NO.	QTY.	DESCRIPTION	
		* **		
7	70658363	2 2	CAP	
8	70925929	2 2	O-RING	
9	70658360	1 1	WASHER (1/64" thick)	} Use as required
	70911992	1 1	WASHER (1/16" thick)	
10	70660792	1 1	WASHER (.005" thick)	
11	70659555	2 2	SPRING	
12	70658364	2 2	SEAT	
13	-----	2 2	CARTRIDGE (Not serviced separately)	
14	70925931	2 2	O-RING, outer (1-1/8" O.D.)	
15	70660793	2 2	RING	
16	70925928	2 2	O-RING, inner (3/4" O.D.)	
17	70665250	2 2	RING	
18	70925930	2 2	O-RING, outer 1" O.D.)	
19	73109599	2 2	POPPET	
20	73109602	2 2	SPRING	
21	70665174	2 2	CAP	
22	73115264	1 -	BOLT	
	73113709	- 1	BOLT	
23	73115265	2 -	RING	
	73118779	- 2	RING	
24	70933491	2 -	O-RING	
	70925932	- 2	O-RING	
25	70665814	2 -	SPRING	
	70659504	- 2	SPRING	
26	70664459	2 -	VALVE	
	70658278	- 2	VALVE	
27	-----	1 1	PLUNGER (Not serviced separately)	
28	73115272	1 -	VALVE ASSY., power assist	} Each includes items 29 thru 43
	73113035	- 1	VALVE ASSY., power assist	
	70926269	4 4	CAPSCREW, 5/16"NC x 1-1/4"	
	70910286	4 4	LOCKWASHER, 5/16"	
29	-----	1 1	*O-RING	
30	73118764	1 -	SLEEVE, pilot	
	73118829	- 1	SLEEVE, pilot	
31	73118738	1 -	LUG	
	73118827	- 1	LUG	
32	73118768	1 -	PISTON ASSY.	} See NOTE
	73118819	- 1	PISTON ASSY.	
			NOTE: Item 32, each includes spool, piston lug and piston which are not serviced separately, also items 33 thru 35.	
33	73118767	1 -	PIN, retaining	
	73118828	- 1	PIN, retaining	
34	-----	1 1	*O-RING	
35	-----	4 4	*RING, snap	
36	73118772	1 -	SPRING ASSY.	} Serviced only as a unit
	73118826	- 1	SPRING ASSY.	
37	-----	1 1	HOUSING (Not serviced separately)	
38	-----	1 1	*O-RING	
39	73118765	1 1	CAP, back	
40	70923565	1 1	*O-RING	

(Continued)

CONTROL VALVES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
41	-----	1 1	*RING, back-up
42	73118763	1 1	*SEAL
43	73118762	1 1	PLATE, retainer
	70925640	4 4	CAPSCREW, 5/16"NC x 3/4"
	70910286	4 4	LOCKWASHER, 5/16"
44	73112934	1 1	YOKE
45	73118771	1 1	SEAL AND REPAIR KIT

*Components of item 45



T-75430

RELIEF VALVE ASSEMBLY

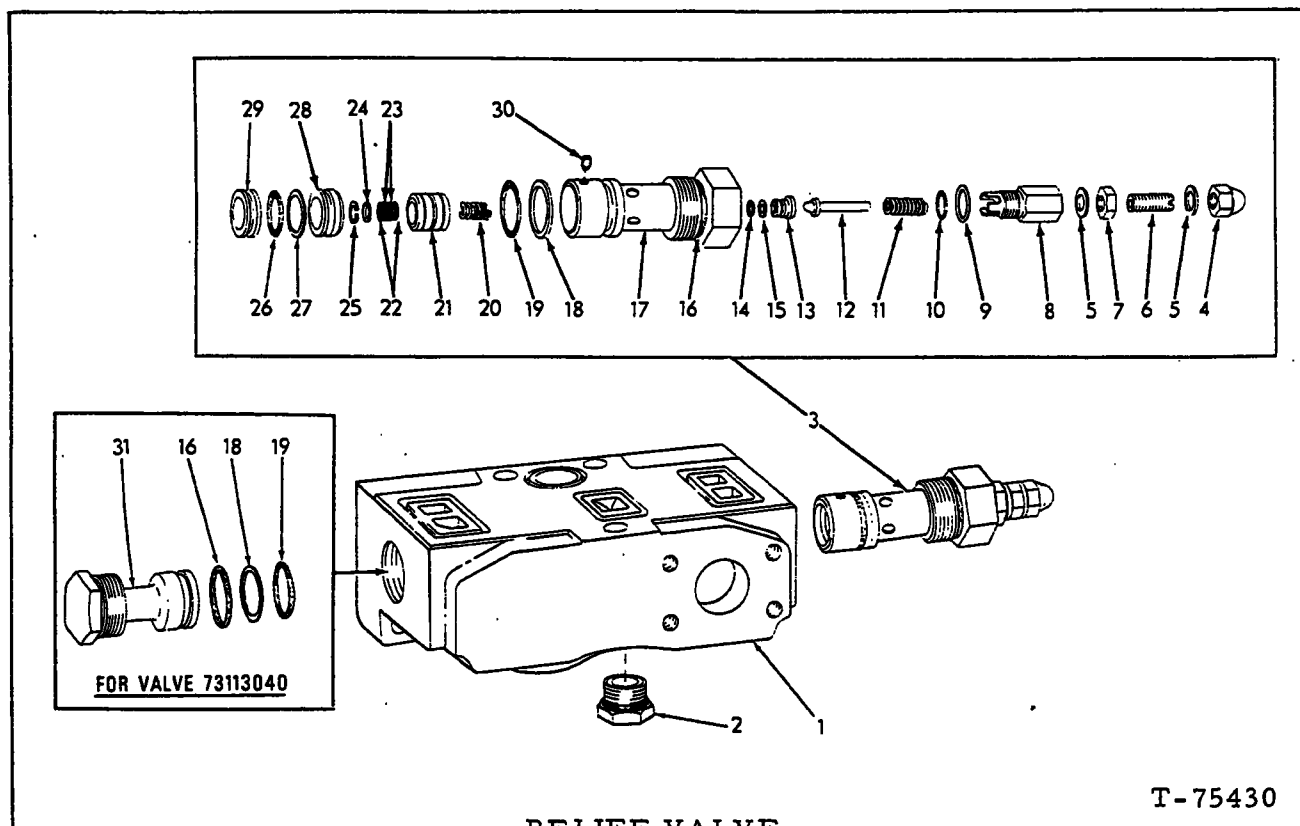
USAGE: Tractors prior to S/N 71A21617. See page 259.

ITEM	PART NO.	QTY.	DESCRIPTION
-	70680513	1	VALVE ASSY. (Includes item 1 thru 30)
-	70698574	1	VALVE ASSY. (Includes items 1 thru 31)
1	-----	1	HOUSING (Not serviced separately)
2	70921204	1	PLUG (Includes O-ring)
	70921206	1	O-RING
3	70683795	1	VALVE ASSY. (Consists of items 4 thru 30)
4	70916559	1	NUT (3/8"NF acorn)
5	70668552	2	GASKET
6	70668550	1	SCREW
7	70910329	1	NUT, jam, 3/8"NF
8	70668551	1	RETAINER
9	70668548	1	GASKET
10	70923846	1	O-RING
11	70684439	1	SPRING
12	70669188	1	POPPET
13	70684438	1	SEAT
14	70926356	1	O-RING
15	70684416	1	RING
16	70924270	1	O-RING (1 additional used on VALVE 70698574)
17	-----	1	CARTRIDGE ASSY. (Not serviced separately)

(Continued)

RELIEF VALVE ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
18	70658245	1	RING (1 additional used on VALVE 70698574)
19	70924696	1	O-RING (1 additional used on VALVE 70698574)
20	70684435	1	SPRING
21	-----	1	POPPET (Not serviced separately)
22	70684408	2	SCREEN (30 mesh)
23	70684409	2	SCREEN (100 mesh)
24	70684410	1	SPACER
25	70927685	1	SNAP RING
26	70924774	1	O-RING
27	70684411	1	RING
28	70684436	1	SEAT
29	70684437	1	RETAINER
30	70684413	2	SETSCREW
31	70658246	1	PLUG



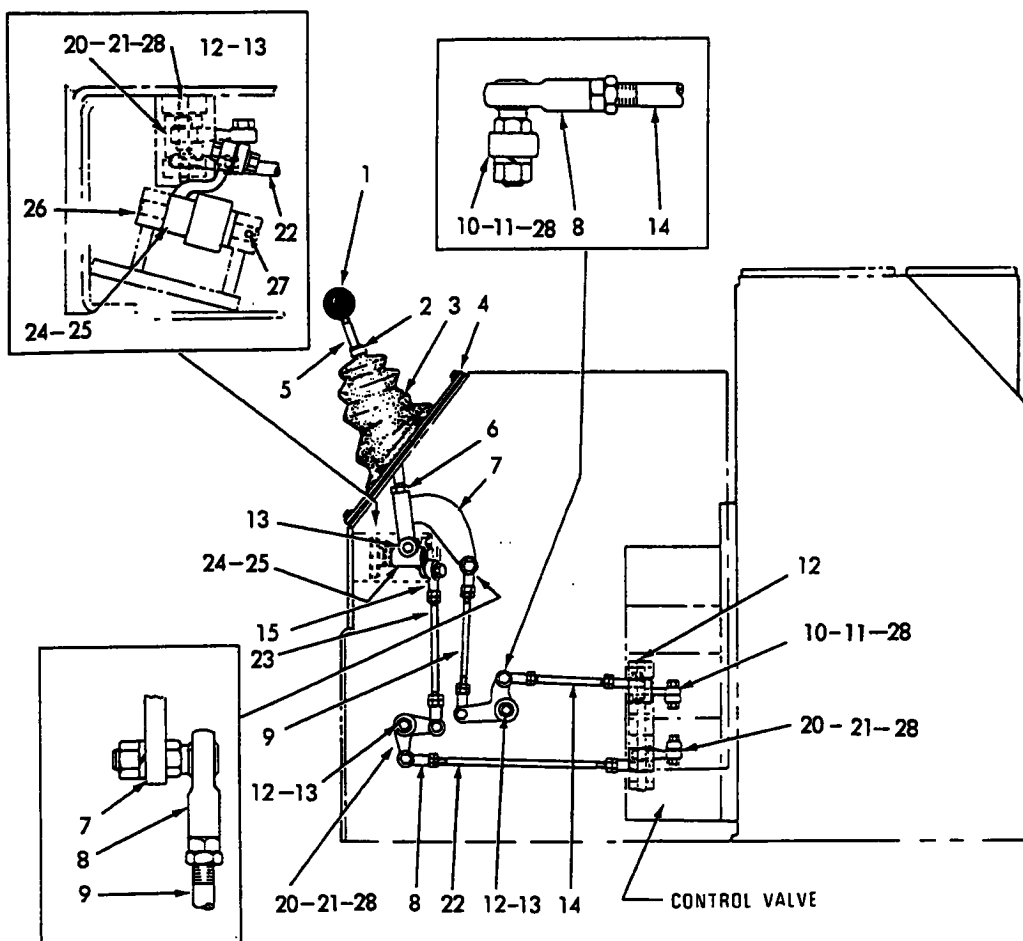
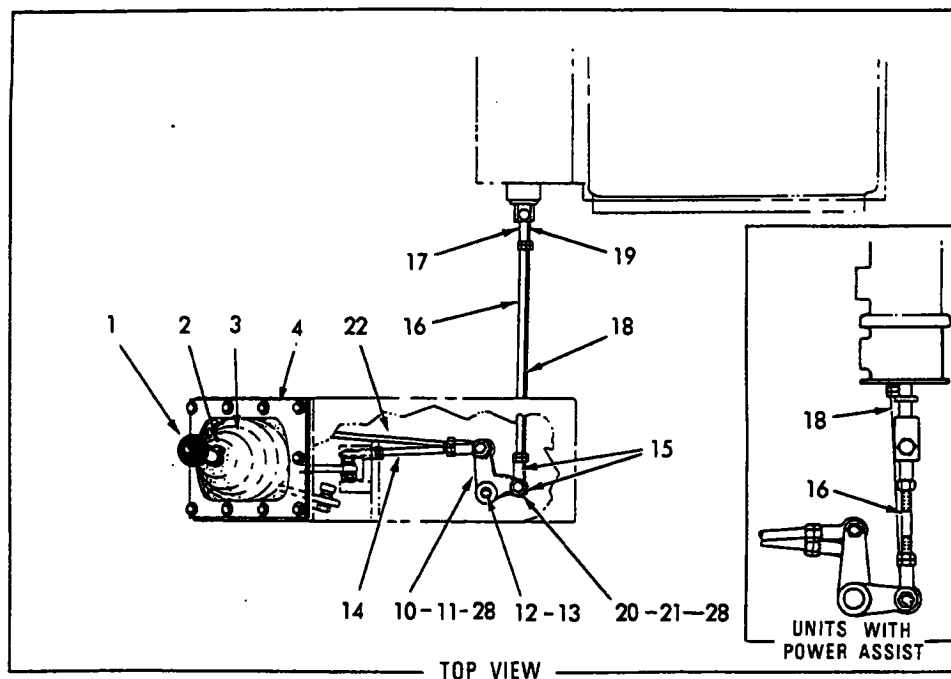
USAGE: Tractors S/N 71A21617 and up. See page 259A.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73115957	1	VALVE ASSY. (Includes items 1 thru 30)
-	73113040	1	VALVE ASSY. (Includes items 1 thru 31)
1	-----	1	HOUSING (Not serviced separately)
2	70924102	1	PLUG
	73114441	1	O-RING
3	73118452	1	VALVE ASSY. (Includes items 4 thru 30)
4	70916559	1	NUT
5	70668552	2	GASKET
6	70668550	1	SCREW
7	70910329	1	NUT, jam, 3/8"NF
8	70668551	1	RETAINER
9	70668548	1	GASKET
10	70926842	1	O-RING
11	70684439	1	SPRING
12	70669188	1	SEAT
13	70684438	1	POPPET
14	70926841	1	O-RING
15	73118732	1	RING
16	70925934	1	O-RING (1 additional used on Valve 73113040)
17	-----	1	CARTRIDGE ASSY. (Not serviced separately)
18	73118731	1	RING
19	70925933	1	O-RING
20	70684435	1	SPRING

(Continued)

RELIEF VALVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	-----	1	POPPET (Not serviced separately)
22	70684408	2	SCREEN (30 mesh)
23	73118453	2	SCREEN (325 mesh)
24	70684410	1	SPACER
25	70927685	1	SNAP RING
26	70925931	1	O-RING
27	73115265	1	RING
28	70684436	1	SEAT
29	70684437	1	RETAINER
30	70684413	2	SETSCREW
31	70658246	1	PLUG



T-79569

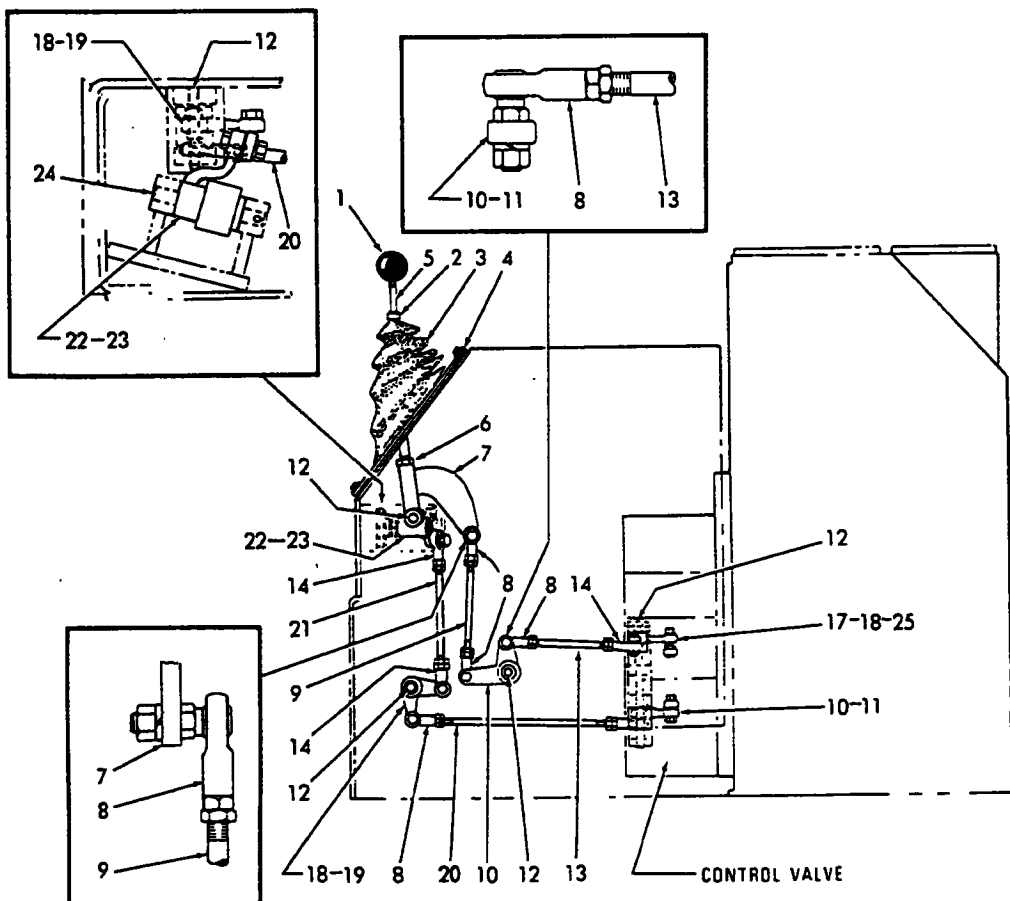
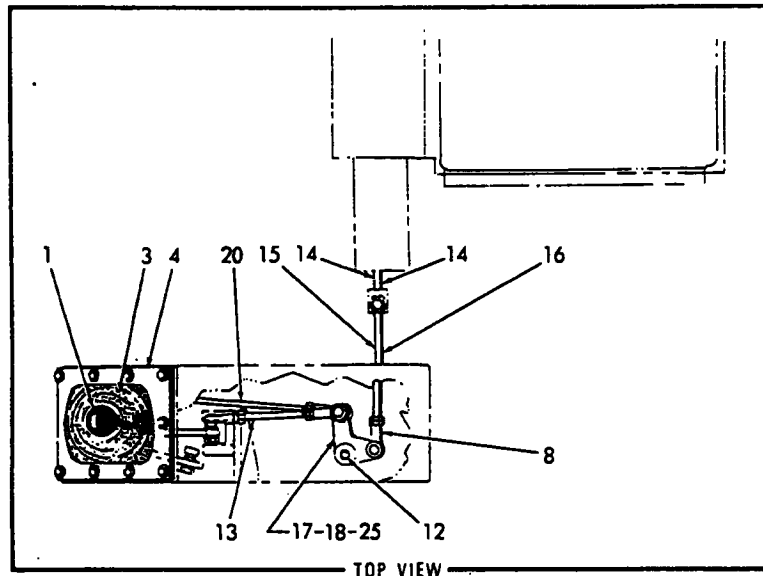
VALVE CONTROLS

USAGE: Tractors prior to S/N71A21617

* Units without hydraulic tilt

** Units with hydraulic tilt

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70090020	1 1	KNOB
2	70921910	1 1	CLAMP, worm drive, 7/16" to 3/4" diam.
3	70690172	1 1	BOOT
4	70688971	1 1	PLATE
	70933578	10 10	SCREW, hex. skt-hd., 1/4"NC x 3/4"
	70900816	10 10	WASHER
5	70690583	1 1	ROD
6	70903574	1 1	NUT, 5/8"NC
7	70690591	1 1	LEVER
8	70653570	3 4	ROD, end
	70913528	3 4	NUT, 3/8"NF
9	70617931	1 1	ROD
	70911048	1 1	NUT, 3/8"NF
10	70696304	2 2	LEVER (Includes item 11 and 28)
11	70655215	4 4	BEARING
12	70672044	3 5	SHAFT
13	70915797	3 5	PIN, 3/16" x 1-1/4"
14	70655420	1 1	ROD
	70911048	2 2	NUT, 3/8"NF
15	70617932	2 6	ROD, end
	70921565	1 6	CAPSCREW, 3/8"NC x 1-1/2"
	70922287	1 1	CAPSCREW, 3/8"NC x 1-3/4"
	70922465	2 6	WASHER
	70915891	2 6	NUT, elastic stop, 3/8"NC
16	70690625	1 1	ROD (Tractors not equipped with Power Assist Kit)
	70666823	1 1	ROD (Tractors equipped with special Power Assist Kit)
	70911048	2 2	NUT, 3/8"NF
17	70617932	1 1	ROD, end
	70927225	1 1	CAPSCREW, 3/8"NC x 1-5/8"
	70915891	1 1	NUT, elastic stop, 3/8"NC
18	70656919	- 1	ROD (Tractors not equipped with Power Assist Kit)
	70655212	- 1	ROD (Tractors equipped with special Power Assist Kit)
	70911048	- 2	NUT, 3/8"NF
19	70617932	- 1	ROD, end
	70921565	- 1	CAPSCREW, 3/8"NC x 1-1/2"
	70910287	- 1	LOCKWASHER, 3/8"
	70910324	- 1	NUT, 3/8"NC
20	70659340	- 2	LEVER (Includes item 21)
21	70655215	- 4	BEARING
22	73107846	- 1	ROD
	70911048	- 2	NUT, 3/8"NF
23	70641968	- 1	ROD
	70911048	- 2	NUT, 3/8"NF
24	70696305	1 1	LEVER (Includes item 25)
25	70655215	4 4	BEARING
26	70656614	1 1	SHAFT
27	70915797	1 1	PIN, 3/16" x 1-1/4"
28	70096921	4 8	SEAL (Tractor unit #21464 and up)



T-79569

VALVE CONTROLS

267A

(Revised February 1980)

VALVE CONTROLS

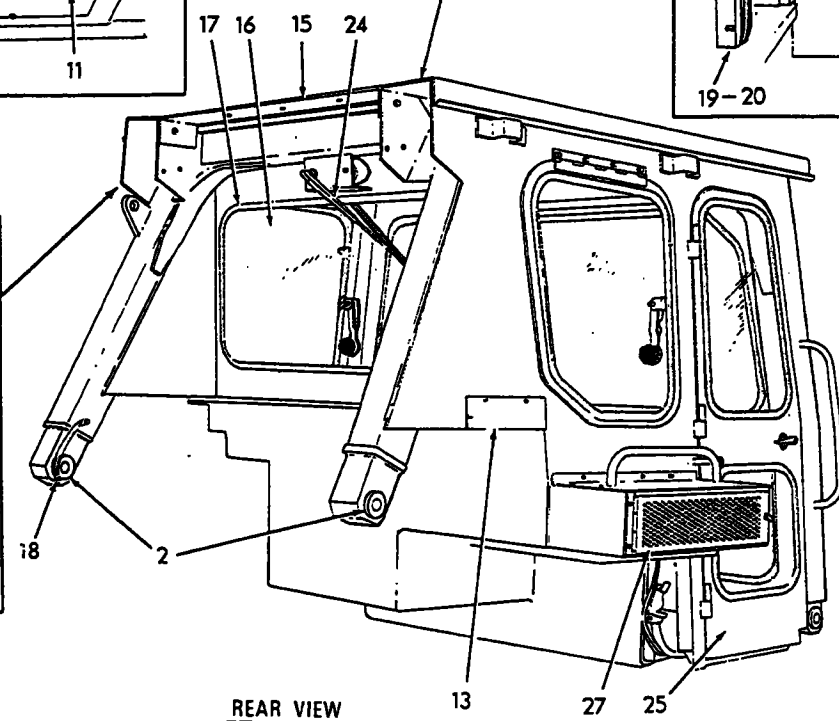
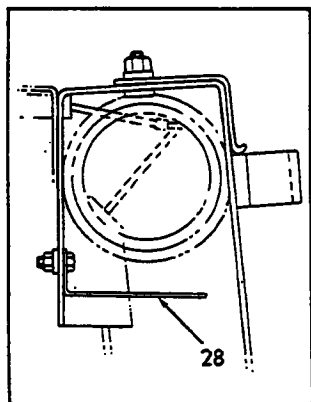
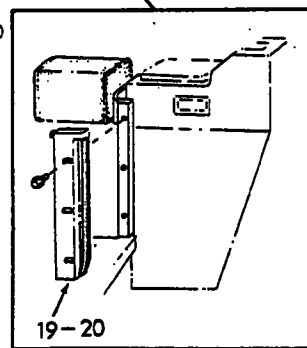
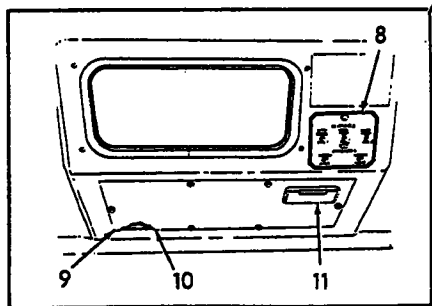
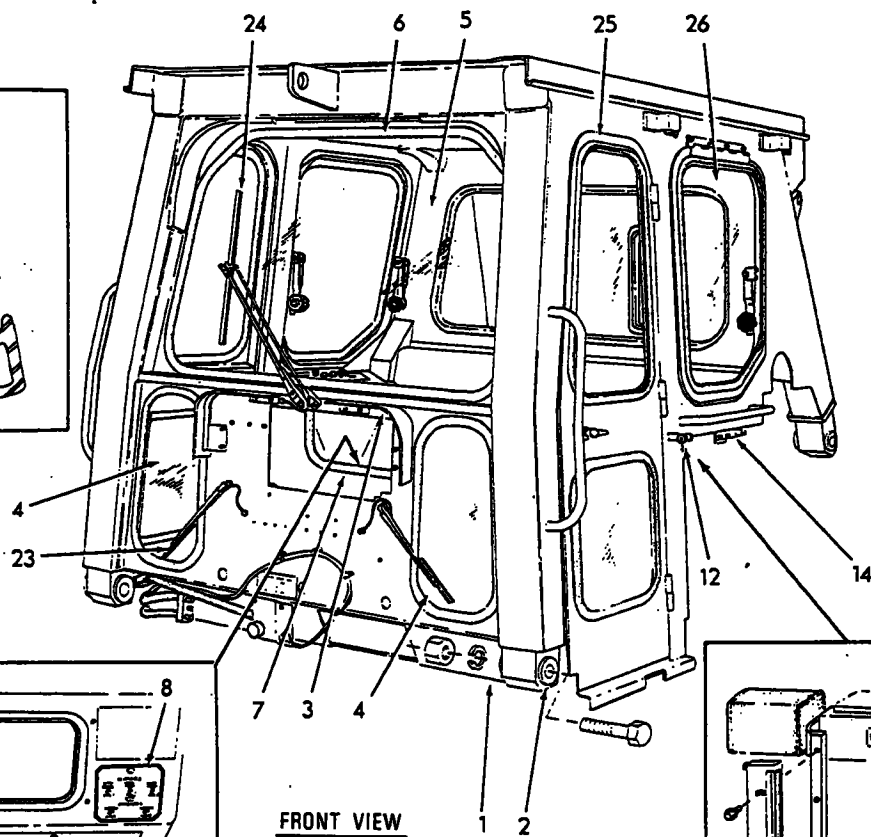
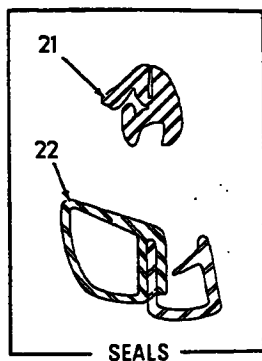
USAGE: Tractors S/N 17A21617 and up

* Units without hydraulic tilt

** Units with hydraulic tilt

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70090020	1	1	KNOB
2	70921910	1	1	CLAMP (7/16" to 25/32")(First type)
	70925755	1	1	CLAMP (1/2" to 1")(Second type)
3	70690172	1	1	BOOT (First type)
	73122609	1	1	BOOT (Second type)
4	70688971	1	1	PLATE
	70933578	10	10	SCREW, hex skt.-hd., 1/4"NC x 3/4"
	70900816	10	10	WASHER
5	73112976	1	1	ROD (5/8" diam.)(First type)
	73116423	1	1	ROD (3/4" diam.)(Second type)
6	70903574	1	1	NUT, 5/8"NC (First type)
	70901431	1	1	NUT, 3/4"NC (Second type)
7	70690591	1	1	LEVER (5/8"NC thread)(First type)
	73116417	1	1	LEVER (3/4"NC thread)(Second type)
8	70653570	4	5	END, rod
	70913528	4	5	NUT, 3/8"NF
9	70635286	1	1	ROD
	70911048	1	1	NUT, 3/8"NF
10	70659340	1	2	LEVER (Includes item 11)
11	70655215	2	4	BEARING
12	70672044	3	5	SHAFT
	70915797	3	5	PIN, spring, 3/16" x 1-1/4"
13	70655420	1	1	ROD
	70911048	2	2	NUT, 3/8"NF
14	70617932	4	7	END, rod
	70927225	4	7	CAPSCREW, 3/8"NC x 1-5/8"
	70922465	5	7	WASHER
	70915891	4	7	NUT, 3/8"NC
15	70666823	1	1	ROD
	70911048	2	2	NUT, 3/8"NF
16	70655212	-	1	ROD
	70911048	-	2	NUT, 3/8"NF
17	73114606	1	1	LEVER (Includes items 18 and 26)
18	70655215	2	4	BEARING
19	70696304	-	1	LEVER (Includes item 18)
20	73107846	-	1	ROD
	70911048	-	2	NUT, 3/8"NF
21	70626462	1	1	ROD
	70911048	2	2	NUT, 3/8"NF
22	70696305	1	1	LEVER (Includes item 23)
23	70655215	2	2	BEARING
24	70656614	1	1	SHAFT
	70915797	1	1	PIN, spring, 3/16" x 1-1/4"
25	70096921	2	2	SEAL

(Revised April 1980)



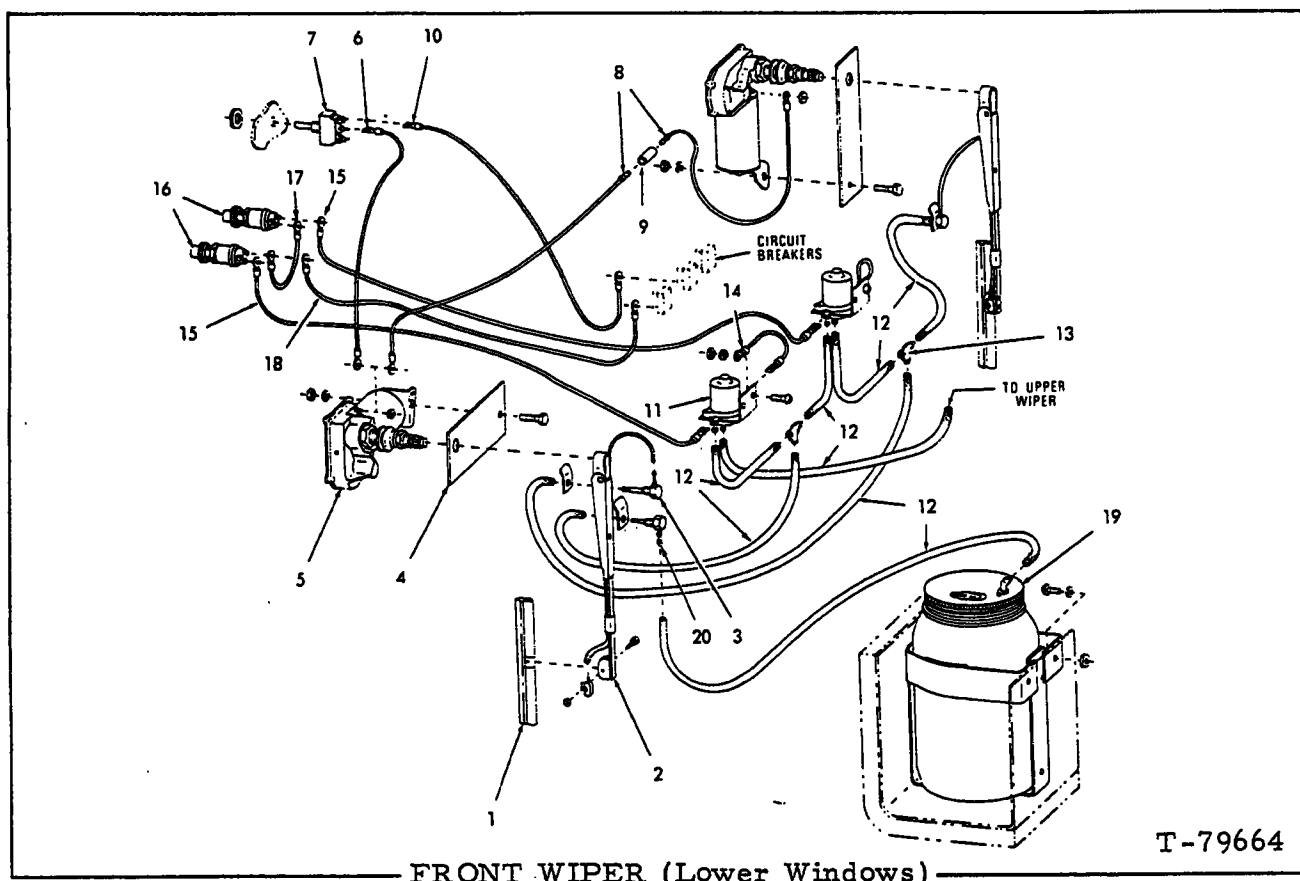
CAB (ROPS)

USAGE: Special equipment. (See page 297 for NON-ROPS Cab.)

ITEM PART NO. QTY. DESCRIPTION

-	-----	1	CAB ASSY. (Not serviced as an assembly. Service components only)
X 1	-----	1	CAB (Not serviced)
	70665160	4	CAPSCREW, 1-1/4"NC x 8"
	70914730	4	LOCKWASHER, 1-1/4"
	70913974	4	NUT, 1-1/4"NC
2	73107380	8	BUSHING
3	73107361	1	TRIM, left
	73107362	1	TRIM, right
	70931646	8	CAPSCREW, self-locking, 1/4"NC x 1/2"
4	-----	2	GLASS (Part No. 73107187) } See NOTE below
5	-----	1	GLASS (Part No. 73107186) }
6	-----	3	SEAL (Order item 21) } Requires cutting to
7	-----	1	SEAL (Order item 22) } proper length
8	73107197	1	DECAL, wiper and washer
9	73107439	1	PLATE ASSY. (Includes items 10 and 11)
	70930594	6	CAPSCREW, self-locking, 1/4"NC x 3/4"
10	73107311	1	INSULATION
11	73107438	1	TRAY, ash
	70912731	2	SCREW, machine, #8-32NC x 5/16"
	70917257	2	LOCKWASHER, external tooth, #10
	70907154	2	NUT, #8-32NC
12	73107266	2	LEVELER, door
13	-----	1	PLATE (Not serviced)
	70930594	3	CAPSCREW, self-locking, 1/4"NC x 3/4"
14	-----	1	PLATE (Not serviced)
	70930594	2	CAPSCREW, self-locking, 1/4"NC x 3/4"
15	-----	1	PLATE (Not serviced) (Units without Air Conditioning)
	70921569	5	CAPSCREW, 7/16"NC x 1-1/4"
	70914678	5	LOCKWASHER, 7/16"
	70912201	5	NUT, 7/16"NC
16	-----	1	GLASS (Part No. 73107252) (See NOTE below)
17	73107262	1	SEAL, 1-1/2" x 126"
18	73107390	1	STRAP, ground
	70919311	2	LOCKWASHER, 5/16"
	70910335	2	WASHER
	70910323	2	NUT, 5/16"NC
19	73107478	1	TRIM ASSY. (Includes item 20)
	70931646	3	CAPSCREW, self-locking, 1/4"NC x 1/2"
20	73107477	1	TRIM
21	73107156	-	SEAL, 1-1/16" x 139" } Use as required
22	73107268	-	SEAL, 7/8" x 120-1/2" }
23	-----	2	WIPER (See page 270)
24	-----	2	WIPER (See page 274)
25	-----	2	DOOR (See page 272)
26	-----	2	WINDOW (See page 275)
27	-----	1	PRESSURIZER (See page 276)
28	73111300	2	SHIELD
	70921175	4	CAPSCREW, 1/2"NC x 1" } Effective
	70912333	4	WASHER } on late Cabs
	70910325	4	NUT, 1/2"NC }

NOTE: Glass must be procured locally. Refer to
CAB GLASS DATA Catalog for pattern.



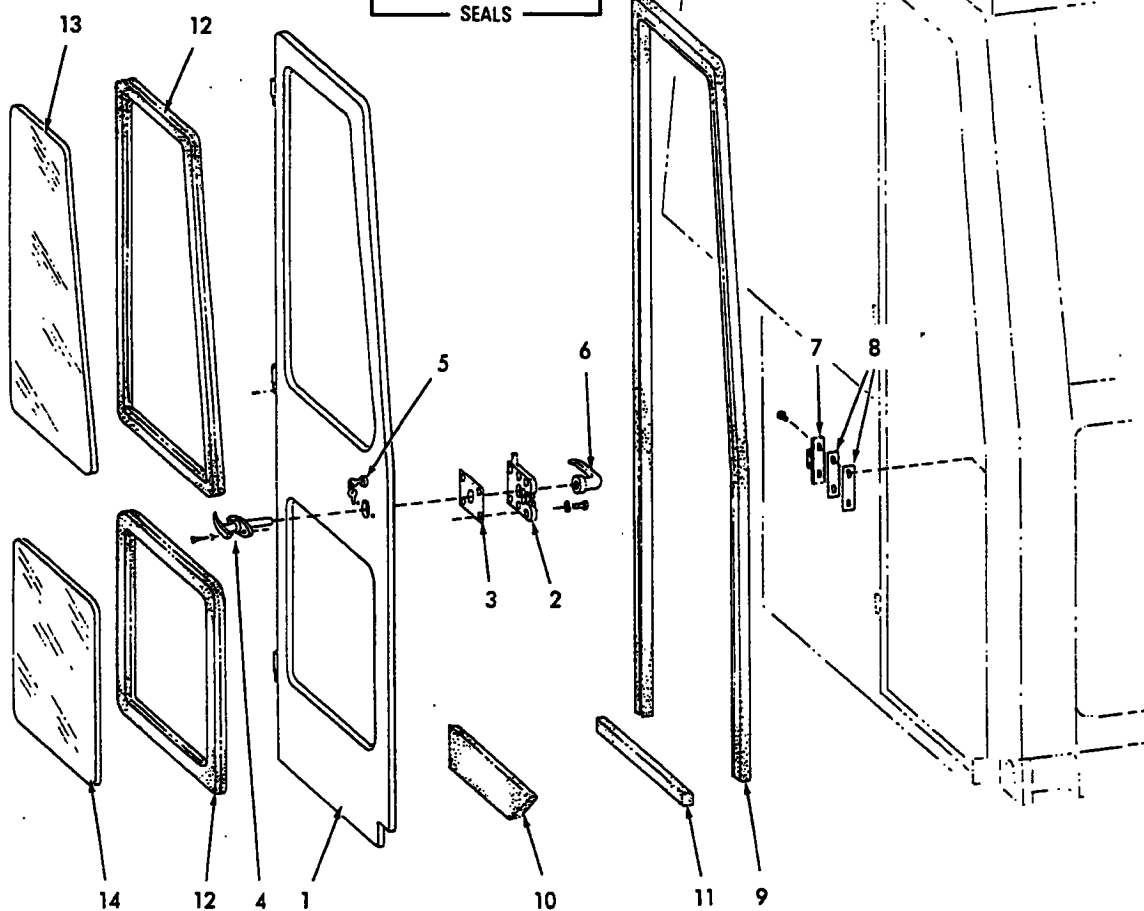
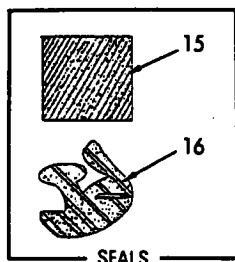
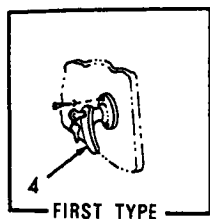
FRONT WIPER (Lower Windows)

ITEM	PART NO.	QTY.	DESCRIPTION
1	73107182	2	BLADE, wiper
2	73107181	2	ARM
3	73107159	2	CONNECTOR
4	-----	2	PLATE (Not serviced)
	70927401	2	CAPSCREW, 1/4"NC x 1"
	70910285	2	LOCKWASHER, 1/4"
	70910880	2	NUT, 1/4"NC
5	73107189	2	MOTOR, wiper, 24 volt
6	-----	1	WIRE, motor to switch (Not serviced)
7	73110396	1	SWITCH, toggle
8	-----	2	WIRE, motor connecting (Not serviced)
9	73107389	1	CONNECTOR
10	-----	1	WIRE, switch to circuit breaker
11	73107188	2	PUMP, washer
	70917388	4	SCREW, machine, rd-hd., #10NC - 24 x 3/4"
	70917257	4	LOCKWASHER, ext-tooth #10
	70901310	4	NUT, #10NC - 24
12	-----	8	HOSE (5/32" I.D. x 31" long)(Cut to proper length)
13	73107447	2	CONNECTION
14	-----	2	WIRE, ground (Not serviced)
15	-----	2	WIRE, pump to switch (Not serviced)
16	70183714	2	SWITCH
17	-----	1	WIRE, switch connecting (Not serviced)

(Continued)

FRONT WIPER (Lower Windows)(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
18	-----	1	WIRE, switch to circuit breaker (Not serviced)
19	73107495	1	WASHER ASSY. (Serviced only as a unit)
	70931698	3	SCREW, machine
	70909055	3	LOCKWASHER, #10
	70901310	3	NUT, #10NC-24
20	73110401	1	CONNECTOR



CAB DOOR

T-79614

ITEM	PART NO.	QTY.	DESCRIPTION
1	73107133	1	DOOR, left
	73107134	1	DOOR, right
	70923132	2	PIN, spring, 1/8" x 11/16"
2	73107149	1	LOCK ASSY., left
	73107150	1	LOCK ASSY., right
	73111855	1	LOCK ASSY., left
	73111856	1	LOCK ASSY., right
	70921382	8	CAPSCREW, 1/4" NC x 1-1/4"
	70910285	8	LOCKWASHER, 1/4"

(Continued)

CAB DOOR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
3	73107143	2	SHIM
4	73107147	2	HANDLE (Includes keys)(Cabs prior to S/N 28371)
	73110615	2	HANDLE (Cab S/N 28371 and up)
	-----	4	SCREW, self-tapping, slotted oval head (5/8"-10)
	70912611	4	LOCKWASHER, external tooth, #10
5	73110616	2	LOCK (Includes key and nut)(Cab S/N 28371 and up)
6	73107144	2	HANDLE
7	-----	2	LATCH (Not serviced. Order item 2)
	70927401	4	SCREW, self-locking, 1/4"NC x 1"
	70910285	4	LOCKWASHER, 1/4"
	70911114	4	WASHER
	70910880	4	NUT, 1/4"NC
8	73107378	-	SHIM (.1046" thick)
	73110655	-	SHIM (.0747" thick)
9	73107268	2	SEAL, 13/16" x 120-1/2"
10	73107145	1	PAD, left
	73107146	1	PAD, right
11	-----	2	SEAL (Order item 15)
12	-----	4	SEAL (Order item 16)
13	-----	2	GLASS (Part No. 73107148)
14	-----	2	GLASS (Part No. 73107151)
15	73107061	-	SEAL, 1" x 37"
16	73107156	-	SEAL, 1-1/16" x 139"

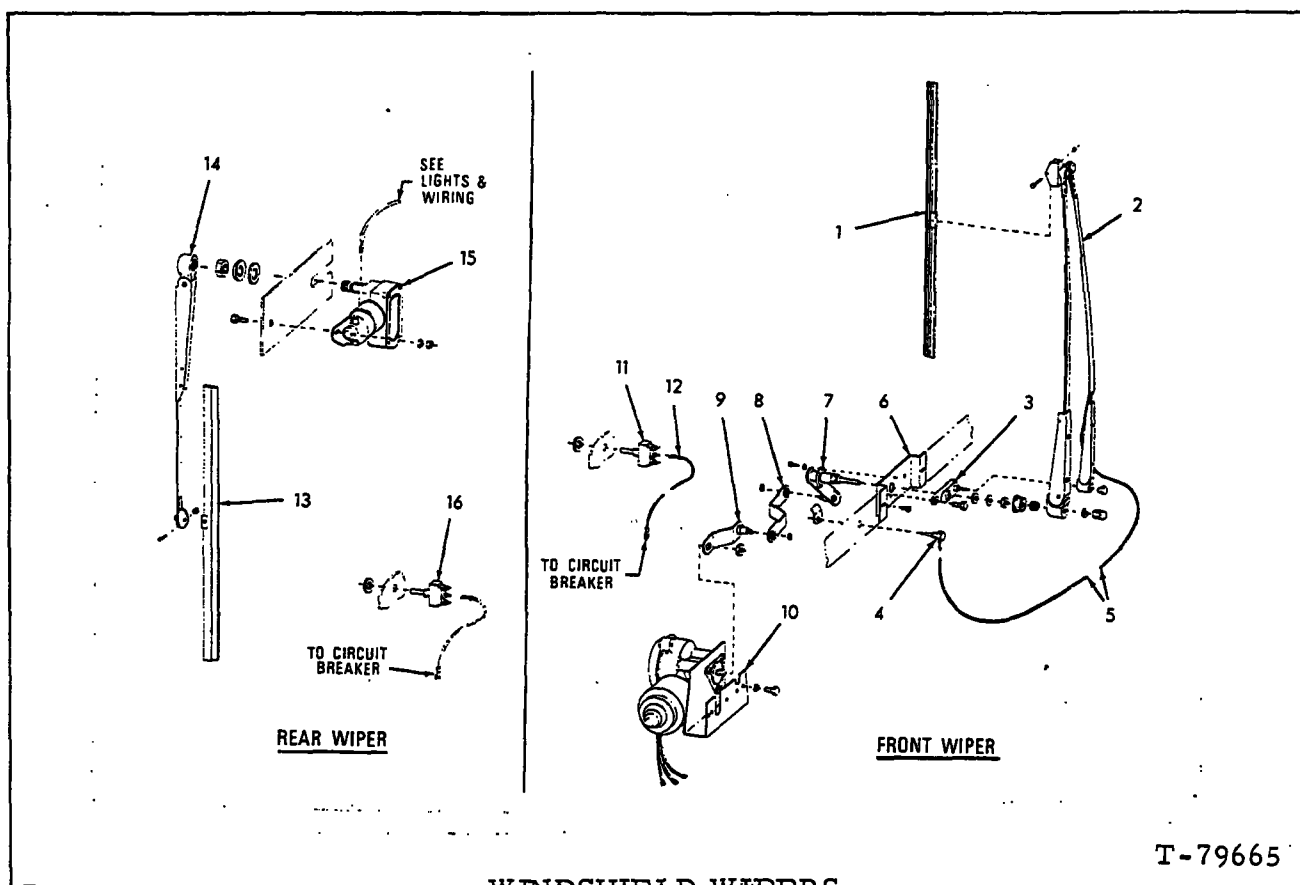
Use as required.

Requires cutting to proper length

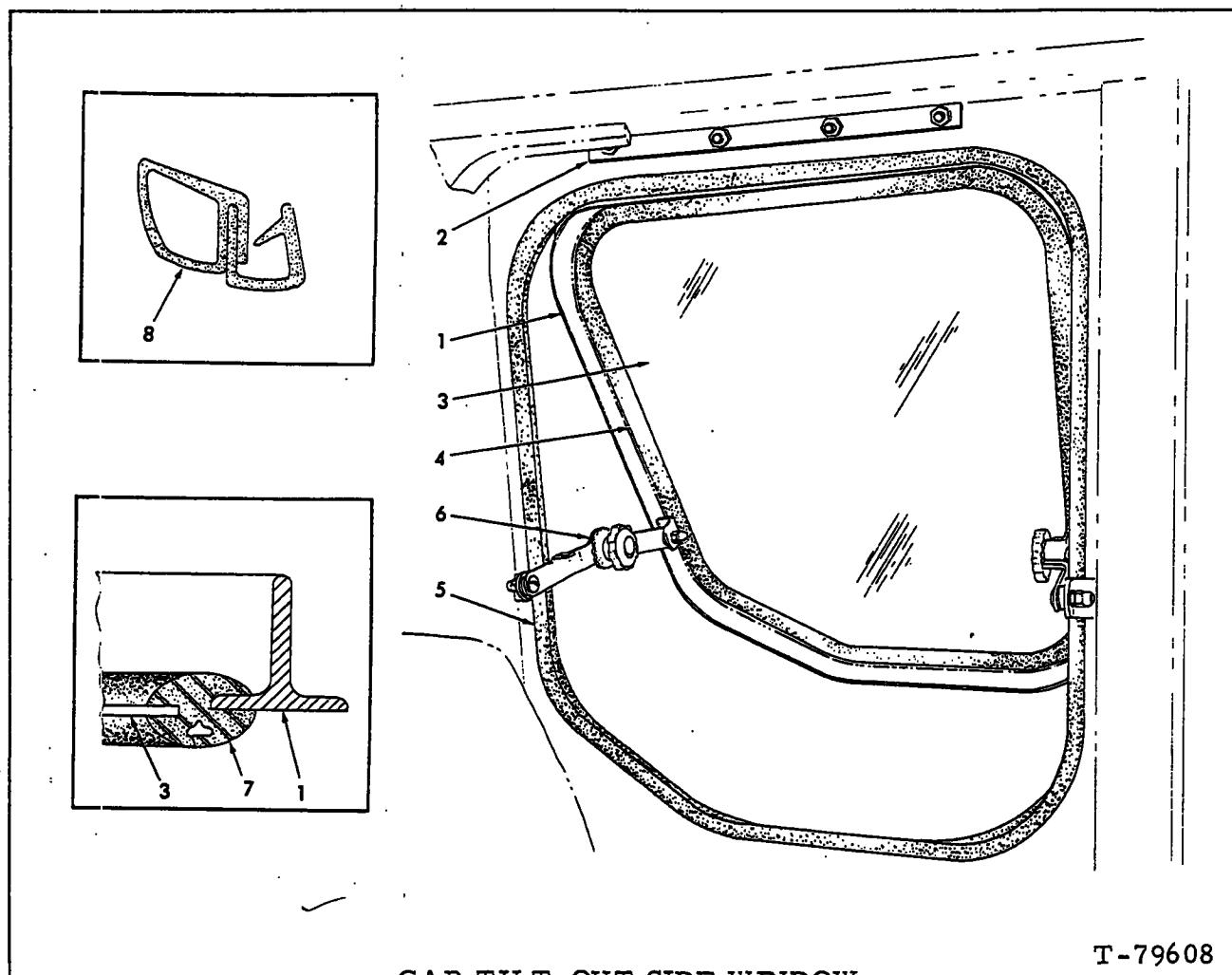
See NOTE below

Use as required

NOTE: Glass must be procured locally. Refer to CAB GLASS DATA Catalog for pattern.



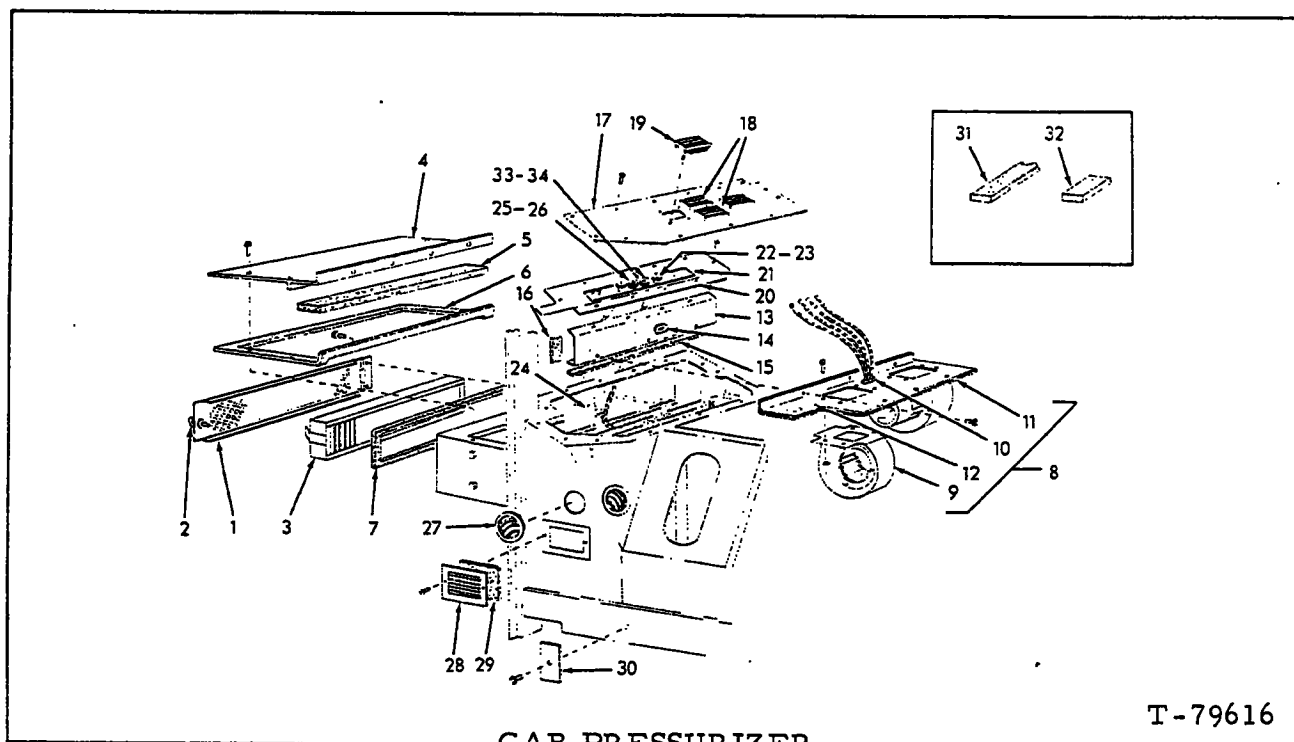
ITEM	PART NO.	QTY.	DESCRIPTION
1	73059930	1	BLADE, wiper
2	73110394	1	ARM (Refer to item 17) <i>Disc.</i>
3	73107183	1	BRACKET, pivot
	70927541	2	CAPSCREW, 1/4" NC x 3/4"
4	73110401	1	CONNECTOR
5	73107504	1	HOSE (Not serviced)
6	73107978	1	BRACKET
	70930594	2	SCREW, self-locking, 1/4" NC x 3/4"
7	73117383	1	SHAFT ASSY., pivot (Serviced only as a unit)
	70931699	2	SCREW, machine, #10-24 NC x 3/8"
	70917257	2	LOCKWASHER, external tooth, #10
8	73107283	1	ARM
9	73061046	1	ARM, crank
10	73107209	1	MOTOR, wiper, 24 volt
	70928575	3	CAPSCREW, 1/4" NF x 1/2"
	70910285	3	LOCKWASHER, 1/4"
11	73059893	1	SWITCH, toggle
12	-----	2	WIRE, switch to circuit breaker (Not serviced)
13	73107979	1	BLADE
14	73107260	1	ARM
15	70699281	1	MOTOR, wiper, 24 volt
	70927401	1	CAPSCREW, 1/4" NC x 1"
	70910285	1	LOCKWASHER, 1/4"
	70910880	1	NUT, 1/4" NC
16	73110396	1	SWITCH, toggle
17	73110821	1	KIT, repair (Includes nozzle, retainer and tubing sufficient to repair one ARM)



T-79608

ITEM	PART NO.	QTY.	DESCRIPTION
1	73107205	1	WINDOW, left
	73107206	1	WINDOW, right
	70922300	8	CAPSCREW, 3/8"x 3/4"
	70910287	8	LOCKWASHER, 3/8"
2	-----	2	PLATE (Not serviced)
3	-----	2	GLASS (Part No. 73107207) (See NOTE below)
4	-----	2	SEAL (Order item 7) } Each requires cutting
5	-----	2	SEAL (Order item 8) } to proper length
6	73107255	2	ARM, left
	73107256	2	ARM, right
	70927073	8	SCREW, machine, 3/8"NC x 1-1/4"
	70912772	12	NUT, jam, 3/8"NC
	70918471	4	NUT, acorn, 3/8"NC
7	73107156	-	SEAL, 1-1/16" x 139" } Use as required
8	73107268	-	SEAL, 13/16" x 120-1/2" }

NOTE: Glass must be procured locally. Refer to CAB GLASS DATA catalog for pattern



CAB PRESSURIZER

T-79616

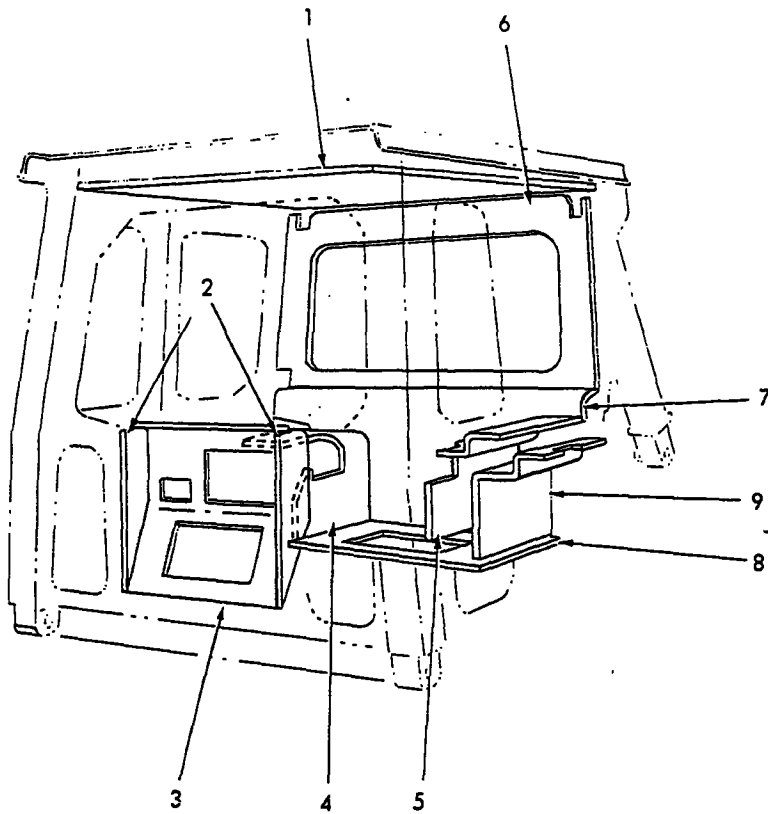
ITEM	PART NO.	QTY.	DESCRIPTION
1	73107121	1	DOOR ASSY., filter (Includes item 2)
	70930594	2	SCREW, self-locking, 1/4"NC x 3/4"
2	73107122	1	SCREW, wing
	70928228	1	WASHER
3	73107280	1	FILTER
4	73107278	1	COVER ASSY. (Includes items 5 and 6)
	70930594	8	SCREW, self-locking, 1/4"NC x 3/4"
5	73107285	1	INSULATION
6	-----	-	SEAL (Order item 31) } Requires cutting to
7	73107070	-	SEAL } proper length
8	-----	1	PRESSURIZER ASSY. (Incl. items 9 thru 12) (Not serviced)
	70931698	6	SCREW, self-locking, #10-24 NC x 3/8"
9	73119413	1	BLOWER (24 volt)
	70931646	8	SCREW, self-locking, 1/4"NC x 1/2"
	70910880	8	NUT, 1/4"NC
10	73107131	1	GROMMET
11	-----	-	SEAL (Order item 31) } Requires cutting to
12	-----	-	SEAL (Order item 32) } proper length
13	73107272	1	BULKHEAD ASSY. (Includes items 14 thru 16)
14	73107131	1	GROMMET
15	-----	-	SEAL (Order item 35) } Requires cutting to
16	-----	-	SEAL (Order item 32) } proper length
17	-----	1	PANEL ASSY. (Includes items 18 and 19) (Not serviced)
	70931700	13	SCREW, machine, #10-24NC x 5/8"
18	73107108	2	LOUVER
	73107114	8	FASTENER
19	73107213	2	LOUVER
	73107114	8	FASTENER

(Continued)

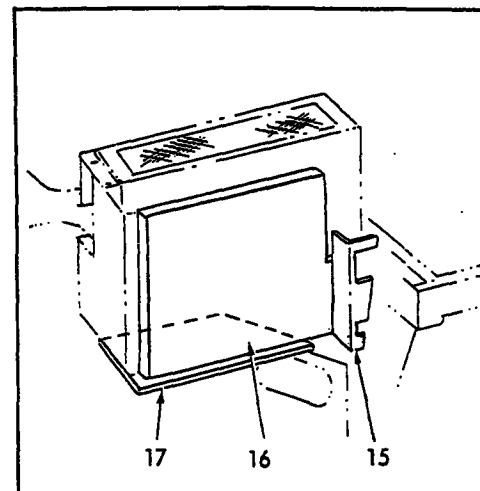
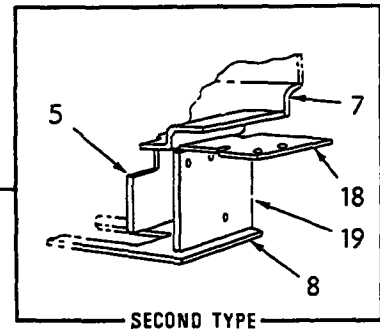
(Revised June 1981)

CAB PRESSURIZER (Continued)

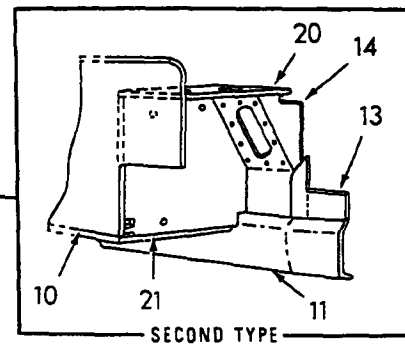
ITEM	PART NO.	QTY.	DESCRIPTION
20	73107239	1	PANEL
	70931700	6	SCREW, machine, #10-24NC x 5/8"
21	73107238	1	DECAL
22	73107240	1	CABLE ASSY. (Includes mounting hardware and item 23)
	70931697	1	SCREW, self-locking, #10-12NC x 3/8"
23	73107241	1	DECAL
24	73107303	1	CLAMP
	70931697	1	SCREW, self-locking, #10-12 NC x 3/8"
25	73107112	1	KNOB
26	73107110	1	SWITCH, blower
27	73107267	2	DEFLECTOR (Includes mounting hardware)
28	73107300	1	PLATE
	70931700	2	SCREW, machine, #10-24 NC x 5/8"
29	73107302	1	FILTER
30	-----	1	PLATE (Not serviced)
	70930594	1	CAPSCREW, self-locking, 1/4"NC x 3/4"
31	73107129	-	SEAL, 1/4" x 3/4" x 75-1/4" }
32	73107130	-	SEAL, 1/4" x 3/4" x 4-1/4" } Use as required
33	73107635	1	SWITCH } For units equipped with
34	73107623	1	KNOB } air-conditioned CAB
35	73115446	-	SEAL, 3/8" x 1" x 24" (Use as required)



FRONT VIEW



REAR VIEW



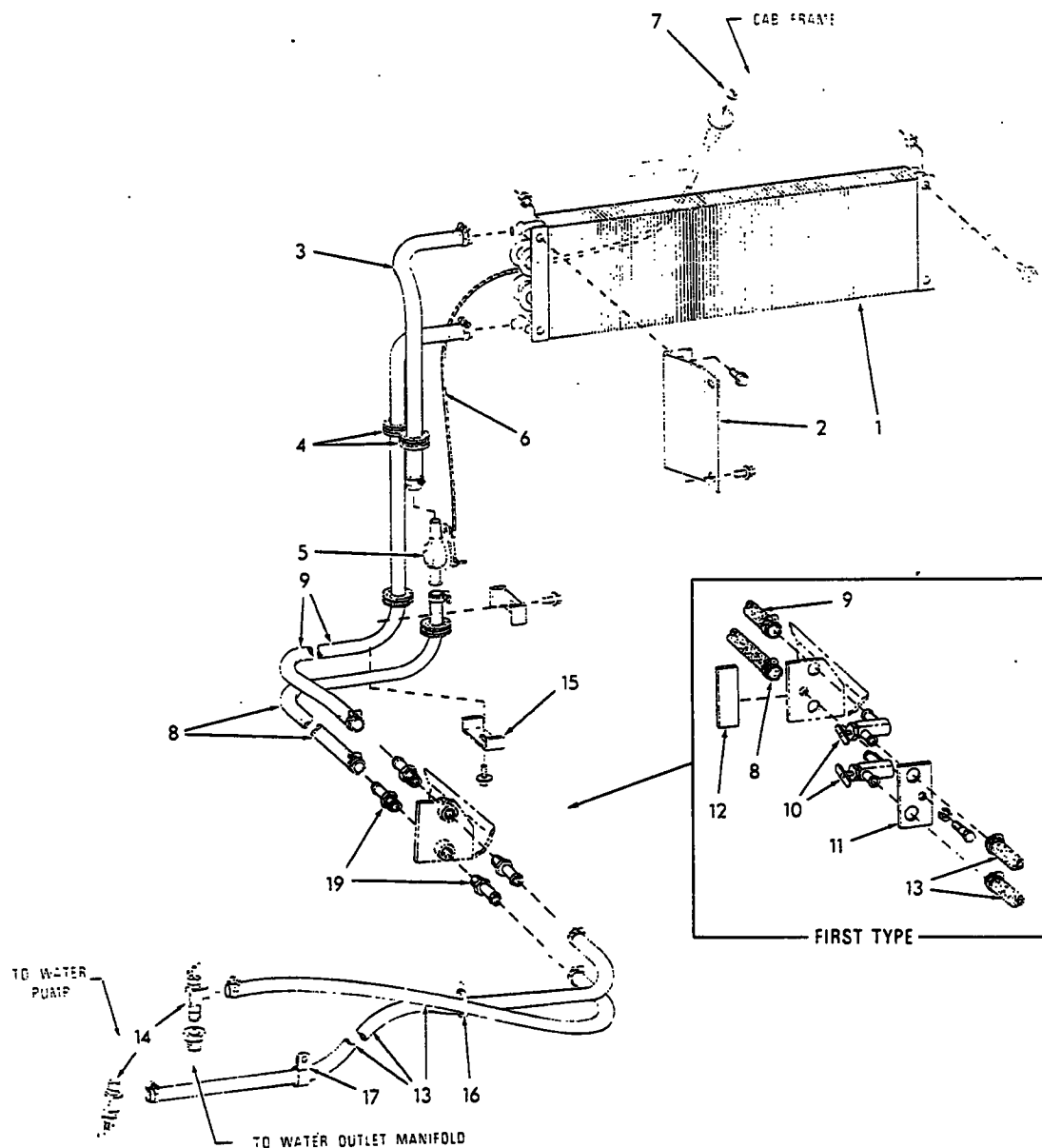
CAB INSULATION

T-79667

(Revised June 1981)

CAB INSULATION

ITEM	PART NO.	QTY.	DESCRIPTION	
1	73107071	1	INSULATION, 44-3/8" x 44-9/16"	} Applied to inside of CAB
2	73107190	2	INSULATION, 22" x 6-1/4"	
3	73107191	1	INSULATION, 23-3/4" x 26-3/8"	
4	73107270	1	INSULATION, 23-3/4" x 28-1/2"	
5	73107347	1	INSULATION, 23-1/16" x 34-1/8"	
6	73107253	1	INSULATION, 60-1/4" x 28-1/2"	
7	73107254	1	INSULATION, 57-15/16" x 28-1/4"	
8	73107348	1	INSULATION, 26" x 23-1/4"	
9	-----	1	INSULATION, (Order items 18 and 19)	} Applied to outside of CAB
10	73107312	1	INSULATION, 60-3/16" x 26"	
11	73107349	1	INSULATION, 42-7/8" x 10-3/4"	
12	-----	1	INSULATION, (Order items 20 and 21)	
13	73107351	1	INSULATION, 13-1/2" x 8-3/4"	
14	73107313	1	INSULATION, 18-5/16" x 11-1/8"	
15	73107352	1	INSULATION, 11-1/8" x 8-1/8"	
16	73107316	1	INSULATION, 23-9/16" x 18-7/16"	
17	73107350	1	INSULATION, 22" x 7"	} Second type. Service replacement for item 9
18	73127236	1	INSULATION	
19	73127238	1	INSULATION	
20	73127237	1	INSULATION	
21	73127239	1	INSULATION	} Second type. Service replacement for item 12



CAB HEATER

T-79669

ITEM	PART NO.	QTY.	DESCRIPTION
1	73107269	1	COIL
	70930594	4	SCREW, self-locking, 1/4"NC x 3/4"
	70931702	4	NUT, 1/4"NC
2	-----	1	BULKHEAD (Not serviced)
	70930594	2	SCREW, self-locking, 1/4"NC x 3/4"
3	-----	1	HOSE (17" long) (Not serviced)
	70921911	2	CLAMP, 11/16" to 1-1/4" diam.
4	73107282	4	GROMMET
5	73107263	1	VALVE, inlet

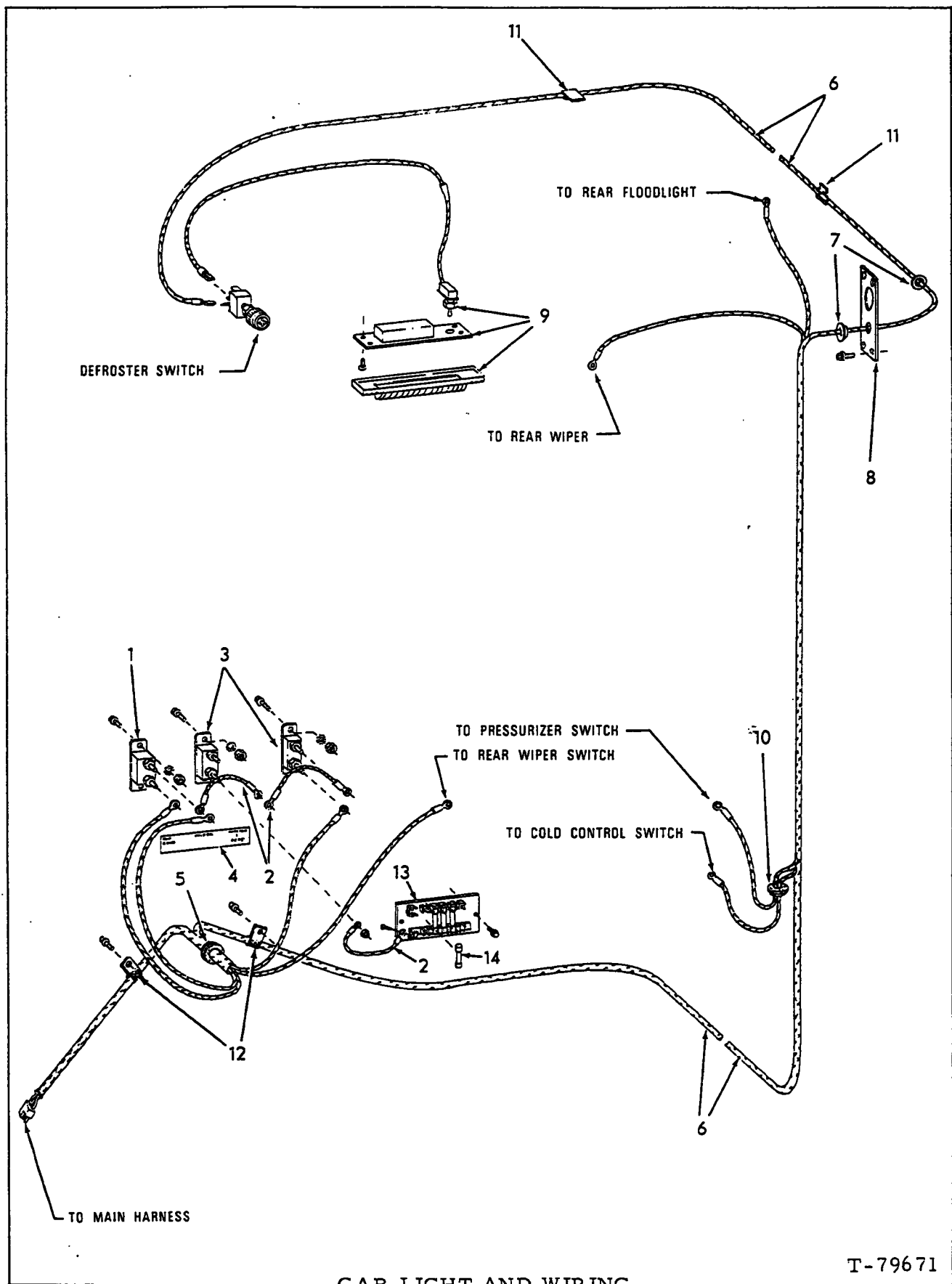
(Continued)

Revised June 1981)

CAB HEATER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	73107214	1	CABLE ASSY. (Includes mounting hardware and item 7)
7	73107215	1	DECAL
8	-----	1	HOSE (Order item 18)(Requires cutting to proper length)
	70921911	2	CLAMP, 11/16" to 1-1/4" diam.
9	-----	1	HOSE (51-1/2" long) (Not serviced)
	70921911	2	CLAMP, 11/16" to 1-1/4" diam.
10	73107449	2	VALVE, shut-off
11	-----	1	BRACKET (Not serviced)
	70921382	1	CAPSCREW, 1/4"NC x 1-1/4"
	70910285	1	LOCKWASHER, 1/4"
12	73107195	1	DECAL
13	-----	2	HOSE (Order item 18)(Requires cutting to proper length)
	70921911	4	CLAMP, 11/16" to 1-1/4" diam.
14	73107448	2	VALVE, shut-off
	70904271	1	BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT
15	-----	3	CLAMP (Not serviced)
	70930594	2	SCREW, self-locking, 1/4"NC x 3/4"
16	70196766	3	STRAP
17	70929665	1	CLAMP, insulated
18	70078547	-	HOSE, 5/8"I.D. x 83" (Use as required)
19	70925053	4	NIPPLE, hose, str. barb, 5/8" hose, 1/2"NPTF (Cabs S/N 30487 and up)

(Revised June 1981)



CAB LIGHT AND WIRING

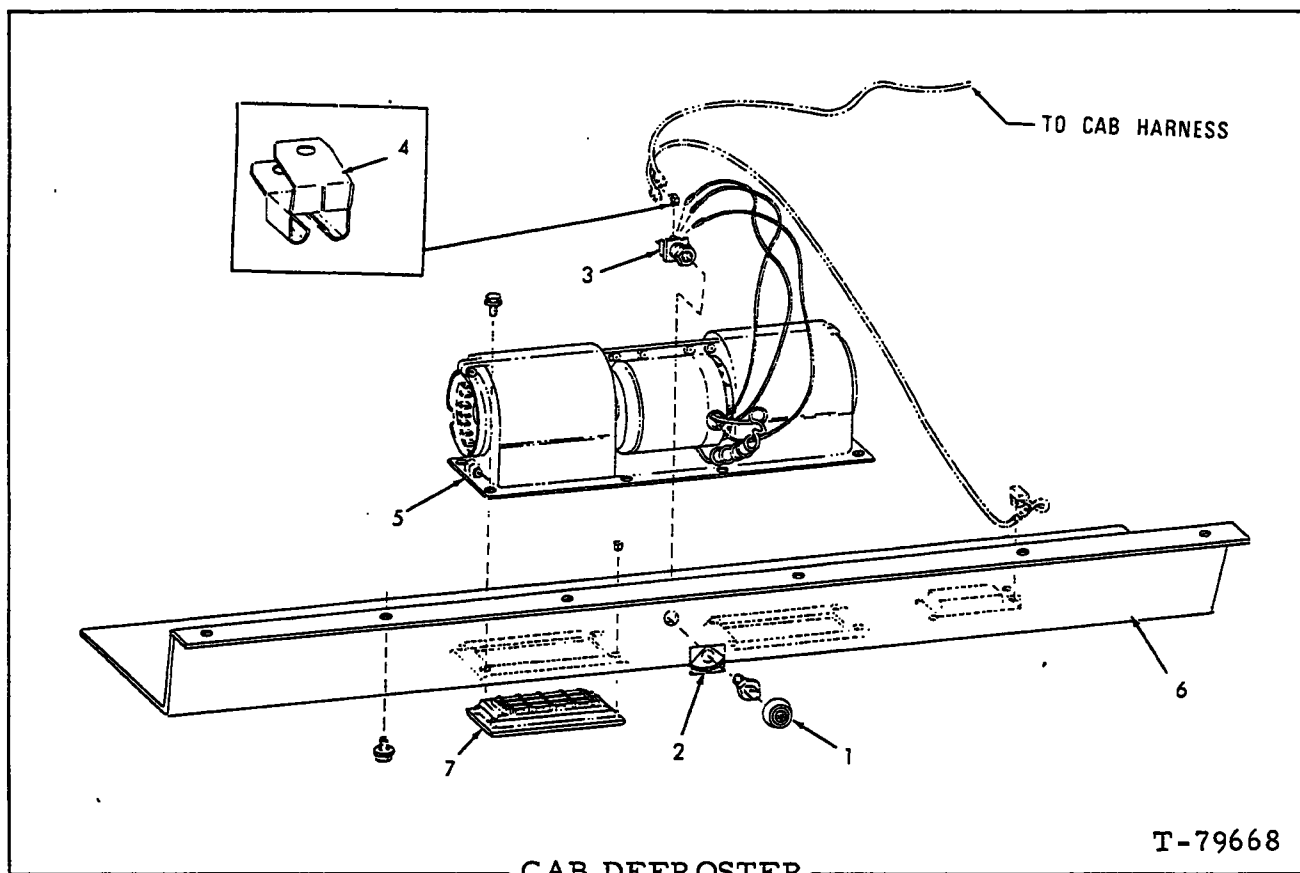
ITEM	PART NO.	QTY.	DESCRIPTION
1	73107446	1	BREAKER, circuit
	70917388	2	SCREW, machine, #10-24 NC x 3/4"
	70917257	2	LOCKWASHER, external tooth, #10
	70901310	2	NUT, #10-24 NC
2	-----	3	WIRE (Not serviced)(1 less used on CABS prior to S/N 28675)
3	73107193	2	BREAKER, circuit
	70917388	4	SCREW, machine, #10-24 NC x 3/4"
	70917257	4	LOCKWASHER, external tooth, #10
	70901310	4	NUT, #10-24 NC
4	73107196	1	DECAL, circuit breaker identification
5	70928310	1	GROMMET
6	73121873	1	HARNESS
7	73107157	2	PLUG
8	-----	1	PLATE (Not serviced)
	70930594	4	CAPSCREW, self-locking, 1/4" NC x 3/4"
9	73107109	1	LIGHT, dome
	70931701	4	SCREW, machine, thrd.-cutting, #6 x 1/2"
10	70925737	1	GROMMET
11	73107100	6	CLIP, 1/4" I.D. (adhesive backing)
12	70926921	8	CLAMP, insulated
	70930594	8	CAPSCREW, self-locking, 1/4" NC x 3/4"
13	73115671	1	BLOCK, fuse
	70917388	2	SCREW, machine, #10-24 NC x 3/4"
	70917257	2	LOCKWASHER, external tooth, #10
	70901310	2	NUT, #10-24 NC
14	73115670	4	FUSE

} CAB S/N
28765
and up

(Revised June 1981)

FLOOR (Continued)

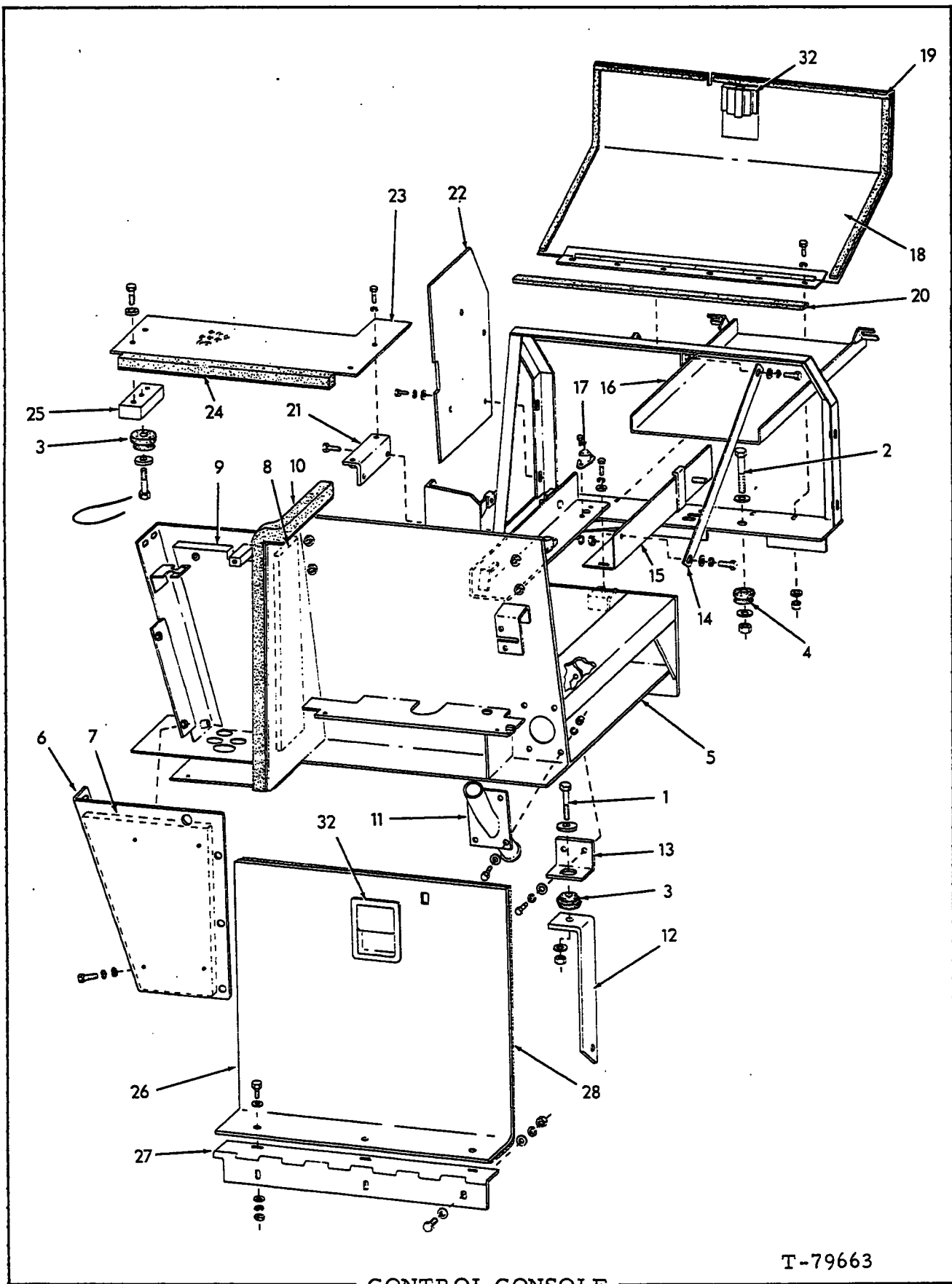
ITEM	PART NO.	QTY.	DESCRIPTION
6	-----	3	SPACER (Not serviced)(Cabs prior to S/N 28685)
7	-----	1	PLATE (Not serviced)
8	70665338	1	BRACKET
	70920995	2	CAPSCREW, 3/8"NC x 2"
	70910287	2	LOCKWASHER, 3/8"
9	-----	1	PLATE ASSY. (Includes item 10) (Not serviced)
	70921076	6	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	6	LOCKWASHER, 3/8"
	70911115	6	WASHER
10	73107257	1	INSULATION
11	-----	1	PLATE ASSY. (Includes item 12) (Not serviced)
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
	70911115	4	WASHER
12	73107409	1	INSULATION
13	-----	1	PLATE ASSY. (Includes item 14) (Not serviced)
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	4	LOCKWASHER, 3/8"
	70911115	4	WASHER
14	73107408	1	INSULATION
15	73107359	1	PLATE ASSY. (Includes item 16)
16	73107360	1	INSULATION



ITEM	PART NO.	QTY.	DESCRIPTION
1	73107112	1	KNOB
2	73107111	1	DECAL
3	73107110	1	SWITCH
4	73107113	1	CONNECTOR
5	73107107	1	BLOWER (24 volt)
	70931697	8	SCREW, self-locking, #10-12NC x 3/8"
6	-----	1	PANEL ASSY. (Not serviced separately)
	70931698	12	SCREW, self-locking, #10-24NC x 3/8"
7	73107108	2	LOUVER
	73107114	8	FASTENER

CAB TILT-BACK CYLINDER
(Not illustrated)

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	CYLINDER ASSY. (See "Special Tool Instrument and Equipment Catalog" for procurement and service)



CONTROL CONSOLE

T-79663

(Revised June 1980)

CONTROL CONSOLE

USAGE: For units equipped with Cab

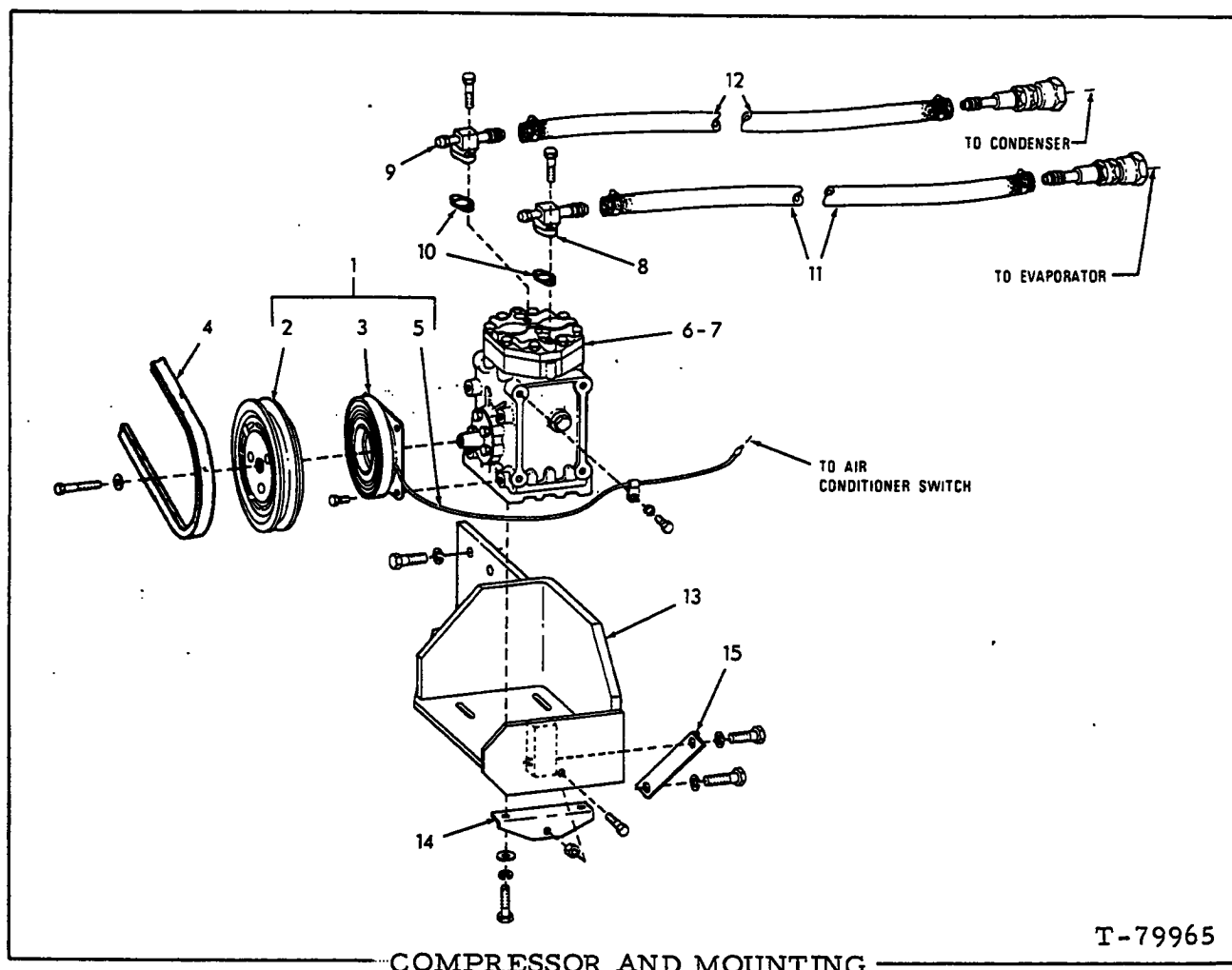
ITEM	PART NO.	QTY.	DESCRIPTION
-	70698507	1	TOWER ASSY., control (Includes items 5 thru 24)
	70924619	1	PLUG, button, 3/4" I. D.
	70920294	2	PLUG, button, 1-5/16" I. D.
	70921076	1	CAPSCREW, 3/8" NC x 1-1/4"
	70910287	1	LOCKWASHER, 3/8"
	70911115	1	WASHER
1	70922526	1	CAPSCREW, 1/2" NC x 2-1/2"
	70092163	1	WASHER
	70677008	1	WASHER
	70915972	1	NUT, elastic stop, 1/2" NC
2	70921266	4	CAPSCREW, 5/8" NC x 3-1/4"
	70087463	4	WASHER
	70677010	4	WASHER
	70914501	4	NUT, elastic stop, 5/8" NC
3	70689383	2	SNUBBER
4	70689775	4	SNUBBER
5	73107038	1	TOWER
6	73107039	1	COVER ASSY. (Includes item 7)
	70922763	5	CAPSCREW, 3/8" NC x 1"
	70910287	5	LOCKWASHER, 3/8"
	70911115	5	WASHER
7	73107081	1	INSULATION
8	73107075	1	INSULATION
9	73107076	1	INSULATION
10	-----	1	SEAL (Order item 30)(Requires cutting to proper length)
11	73111457	1	TUBE
	70922763	4	CAPSCREW, 3/8" NC x 1"
	70910287	4	LOCKWASHER, 3/8"
	70911115	4	WASHER
	70910324	4	NUT, 3/8" NC
12	-----	1	STRAP (Not serviced)
13	73107050	1	ANGLE
	70922763	2	CAPSCREW, 3/8" NC x 1"
	70910287	2	LOCKWASHER, 3/8"
	70911115	2	WASHER
14	73107040	1	STRAP
	70922763	2	CAPSCREW, 3/8" NC x 1"
	70910287	2	LOCKWASHER, 3/8"
	70911115	2	WASHER
15	73107041	1	SUPPORT
	70922763	2	CAPSCREW, 3/8" NC x 1"
	70910287	2	LOCKWASHER, 3/8"
	70911115	2	WASHER
16	-----	1	TRAY
17	-----	6	ROLLER } See page 212
18	73107043	1	COVER ASSY., right (Includes items 19 and 32)
	70930594	6	CAPSCREW, self-locking, 1/4" NC x 3/4"
	70910285	6	LOCKWASHER, 1/4"
	70911114	6	WASHER
	70910880	6	NUT, 1/4" NC

(Continued)

CONTROL CONSOLE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
19	-----	3	SEAL (Order item 29)
20	-----	1	SEAL (Order item 31)
21	-----	1	ANGLE (Not serviced)
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70910287	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8"NC
22	73107048	1	COVER
	70930594	4	CAPSCREW, self-locking, 1/4"NC x 3/4"
	70911114	4	WASHER
23	73107051	1	PLATE ASSY. (Includes item 24)
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70910287	2	LOCKWASHER, 3/8"
	70920582	2	CAPSCREW, 1/2"NC x 1-1/4" } Not components of
	70677006	2	WASHER } Control Tower Assy.
24	-----	1	SEAL (Order item 30)(Requires cutting to proper length)
25	70689382	1	BLOCK
	70929074	1	CAPSCREW, drilled-hd., 1/2"NC x 2"
	70092163	1	WASHER
	70037000	1	LOCKWIRE
26	73107393	1	COVER ASSY., left (Includes item 32)
	70922300	3	CAPSCREW, 3/8"NC x 3/4"
	70910287	3	LOCKWASHER, 3/8"
	70911115	6	WASHER
	70912772	3	NUT, 3/8"NC
27	73107490	1	HINGE
	70922300	3	CAPSCREW, 3/8"NC x 3/4"
	70910287	3	LOCKWASHER, 3/8"
	70911115	6	WASHER
	70912772	3	NUT, 3/8"NC
28	73107489	3	SEAL
29	73107060	-	SEAL, 3/8" x 25-3/4" } Use as
30	73107061	-	SEAL, 1" x 37" } required
31	73107070	-	SEAL, 1/2" x 58-3/4" }
32	70693463	2	PADDLE LOCK (Requires welding to install)

(Revised June 1980)



COMPRESSOR AND MOUNTING

USAGE: Special equipment. For units equipped with Air Conditioning.

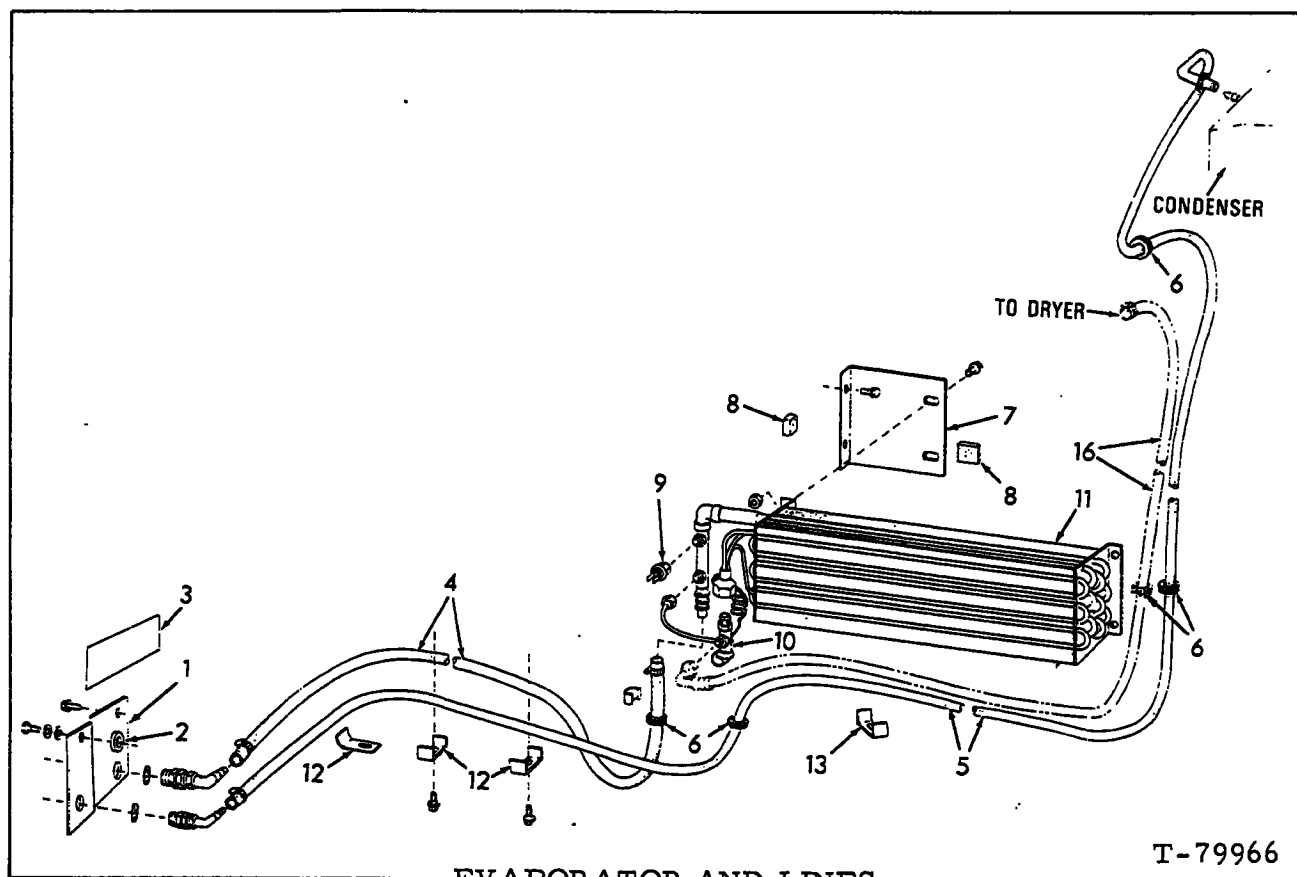
ITEM	PART NO.	QTY.	DESCRIPTION
1	73115308	1	CLUTCH ASSY. (Includes items 2, 3 and 5 and mounting hardware)
2	73115307	1	PULLEY
3	73107662	1	COIL
4	73108026	1	BELT
5	-----	1	WIRE ASSY. (Includes clip. Not serviced separately)
	70927484	1	CAPSCREW, 3/8"NC x 1/2"
	70910287	1	LOCKWASHER, 3/8"
6	73108408	1	COMPRESSOR ASSY. (Includes items 7 thru 12)
	70921565	4	CAPSCREW, 3/8"NC x 1-1/2"
	70910287	4	LOCKWASHER, 3/8"
	70911115	2	WASHER
7	73108413	1	COMPRESSOR ASSY. (Includes items 8, 9 and 10) (Vender No.488-20038, Model 209 Heavy Duty. See NOTE below)

(Continued)

COMPRESSOR AND MOUNTING (Continued)			
ITEM	PART NO.	QTY.	DESCRIPTION
8	73108405	1	FITTING
9	73107659	1	FITTING
10	73107627	2	GASKET
11	-----	1	HOSE (Refer to item 17)
	73108410	1	FITTING, disconnect
	73107640	2	CLAMP
12	-----	1	HOSE (Refer to item 16)
	73108409	1	FITTING, disconnect
	73107640	2	CLAMP
13	73108030	1	BRACKET (Tractors prior to unit #21814)
	73121609	1	BRACKET (Tractors unit #21814 and up)
	70920582	3	CAPSCREW, 1/2"NC x 1-1/4"
	70912441	3	LOCKWASHER, 1/2"
14	73108027	1	ANGLE
	70929883	1	CAPSCREW, 3/8"NC x 2"
	70912772	1	NUT, 3/8"NC
15	73108031	1	ANGLE (Tractors prior to unit #21814)
	73121608	1	STRAP (Tractors unit #21814 and up)
	70920582	1	CAPSCREW, 1/2"NC x 1-1/4"
	70920583	1	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	2	LOCKWASHER, 1/2"
16	70932509	-	HOSE, 13/32" I.D. x 25 ft.
17	70932510	-	HOSE, 1/2" I.D. x 25 ft.

} Use as required and
cut to proper length

NOTE: Service of Compressor Assy. component parts must be obtained from nearest Automotive Air Conditioning Service Agency or York Automotive Division, Borg-Warner Corp. P. O. Box 442, 625 Southside Drive, Decatur, Ill. 62525



USAGE: Special equipment. For units equipped with Air Conditioning

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PLATE (Not serviced. Fabricate locally)
	70931646	1	SCREW, self-locking, 1/4" NC x 1/2"
	70927401	1	CAPSCREW, 1/4" NC x 1"
	70910285	1	LOCKWASHER, 1/4"
	70911114	1	WASHER
2	-----	1	SPACER (Not serviced. Fabricated locally)
3	73108402	1	DECAL
4	-----	1	HOSE (Refer to item 14)
	73108404	1	FITTING, disconnect
	70918464	1	LOCKWASHER, internal tooth, 1-1/2"
	73107640	2	CLAMP
5	-----	1	HOSE (Refer to item 15)
	73108403	1	FITTING, disconnect
	70912302	1	LOCKWASHER, internal tooth, 1"
	73107640	2	CLAMP
6	73107282	4	GROMMET
7	-----	1	BRACKET
	70931646	2	SCREW, self-locking, 1/4" NC x 1/2"
8	70682557	2	SEAL
9	73107631	1	CONTROL
10	73107633	1	VALVE, expansion

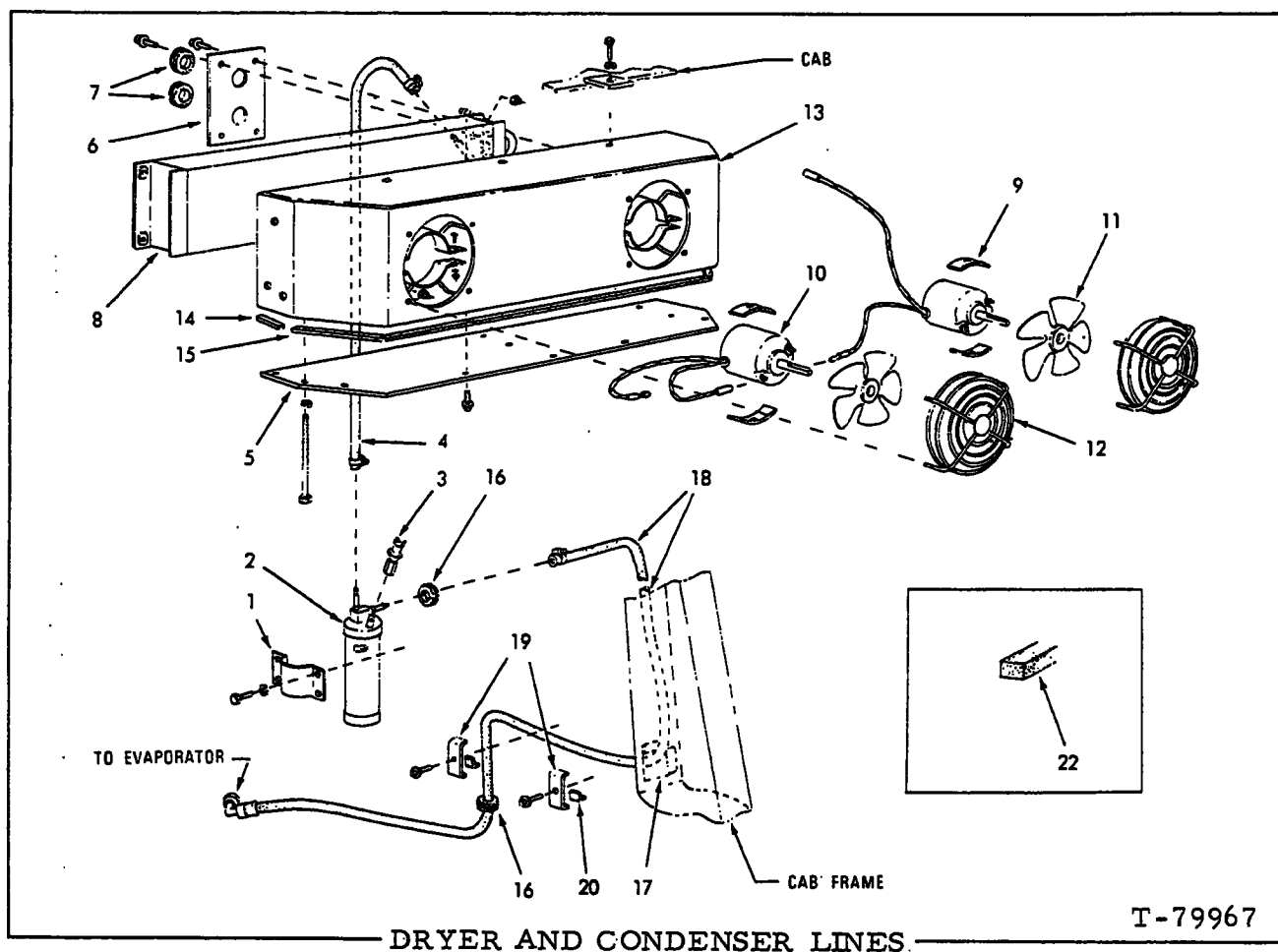
(Continued)

(Revised June 1981)

EVAPORATOR AND LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	73107636	1	COIL
	70931646	4	SCREW, self-locking, 1/4"NC x 1/2"
	70931702	4	NUT, 1/4"NC
12	73108467	3	CLAMP
13	73107301	1	CLAMP
	70931646	2	SCREW, self-locking, 1/4"NC x 1/2"
14	70932510	-	HOSE, 1/2" I.D. x 25'
15	70932509	-	HOSE, 13/32" I.D. x 25'
X 16	-----	1	HOSE (See page 296)

} Use as required and
cut to proper length



USAGE: Special equipment. For units equipped with Air Conditioning

ITEM	PART NO.	QTY.	DESCRIPTION
1	73107628	1	BRACKET
	70927401	4	CAPSCREW, 1/4"NC x 1"
	70910285	4	LOCKWASHER, 1/4"
2	73107637	1	DRYER ASSY. (Includes item 3)
3	73107652	1	CONTROL
4	-----	1	HOSE (Refer to item 21)
	73107640	2	CLAMP
5	-----	1	COVER (Not serviced. Fabricate locally)
	70930594	5	SCREW, self-locking, 1/4"NC x 3/4"
	70931844	6	CAPSCREW, 5/16"NC x 7"
	70910286	6	LOCKWASHER, 5/16"
6	-----	1	BRACKET (Not serviced. Fabricate locally)
	70931646	4	SCREW, self locking, 1/4"NC x 1/2"
	70931702	4	NUT, 1/4"NC
7	73107666	2	GROMMET
8	73107660	1	CONDENSER
	70931646	4	SCREW, self-locking, 1/4"NC x 1/2"
	70931702	4	NUT, 1/4"NC

(Continued)

DRYER AND CONDENSER LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	73107667	4	PAD
	70931698	8	SCREW, self-locking, #10-24NC x 3/8"
	70917257	8	LOCKWASHER, #10
	70901310	8	NUT, #10-24NC
10	73107663	2	MOTOR KIT (Includes MOTOR and 4 terminals)
11	73107665	2	BLADE
12	-----	2	GUARD (First type. Order 73114683 Guard Assy.)
	70917479	16	NUT, #6-32NC
	73114683	2	GUARD (Second type. Service replacement)(Includes 8 Nuts #8-32NC)
13	73107651	1	HOUSING
	70921569	9	CAPSCREW, 7/16"NC x 1-1/4"
	70914678	9	LOCKWASHER, 7/16"
14	-----	2	SEAL (Refer to item 22)
15	73108447	1	SEAL, 1/4" x 39-3/4"
16	73107282	2	GROMMET
17	73108406	1	WINDLACE
18	73107642	1	HOSE
	73107640	1	CLAMP
19	73108400	2	CLAMP ASSY. (Includes item 20)
20	70682557	2	SEAL, 1" x 1-1/4"
21	70932508	-	HOSE, 5/16" I.D. x 25' (Use as required and cut to proper length)
22	73107060	-	SEAL, 3/8" x 25-3/4"

CAB (NON-ROPS)
(Not illustrated)

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	73118708	1	CAB ASSY. (vendor part no. 2386)(Includes HEATER, WIPERS, DEFROSTER FAN, DOME LIGHT, SOUND INSULATION and FLOOR MAT)(Service must be obtained from Industrial Cab Company Route 22, Western Ave. Essex, MA 01929)

NUMERICAL INDEX 0073126645

PART NO.	PAGE	PART NO	PAGE	PART NO	PAGE	PART NO.	PAGE	PART NO	PAGE
60400049.....2		70061528.....202		70095265.....207		70609122.....234		70623344.....142	
70012387.....227		70063222.....56		70095267.....207		70609122.....238		70623346.....142	
70012389.....227		70063890.....39		70095860.....211		70609136.....236		70623765.....56	
70012767.....235		70063891.....39		70095869.....251B		70609142.....236		70623804.....103	
70013006.....173		70064961.....128		70095869.....252		70609355.....235		70624508.....201A	
70023633.....10		70065935.....214		70096815.....39		70609361.....235		70624508.....45	
70023633.....106		70067112.....139		70096816.....39		70609368.....230		70624584.....127	
70023633.....140		70067483.....141		70096908.....213		70609389.....233		70624584.....54	
70023633.....142		70067484.....141		70096921.....267		70609389.....238		70624584.....55	
70023633.....153		70067484.....142		70096921.....267B		70609749.....128		70624584.....56	
70023633.....220		70067485.....141		70097056.....183		70614721.....235		70624585.....55	
70023633.....257		70067543.....140		70097413.....139		70615229.....233		70624585.....56	
70023633.....82		70067720.....84		70097413.....37		70615338.....235		70624585.....57A	
70023633.....9A		70067766.....89		70097611.....171		70615581.....235		70624688.....106	
70023633.....97		70067884.....82		70098029.....193		70615619.....235		70624688.....107	
70023633.....98		70067962.....83		70098029.....197		70615696.....235		70624695.....103	
70023756.....140		70068389.....249		70098369.....253		70615750.....234		70624783.....107	
70034076.....198		70070400.....173		70098837.....186		70615912.....234		70624783.....108	
70035250.....102		70072438.....161		70099469.....47		70617069.....234		70624783.....109	
70035689.....106		70072438.....56		70099949.....136		70617171.....235		70625383.....186	
70035689.....9A		70074452.....207		70158613.....10		70617855.....235		70626462.....267B	
70035916.....225		70075420.....98		70161824.....201		70617931.....267		70627346.....9	
70035942.....165		70076148.....202		70162763.....204		70617932.....127		70627451.....161	
70036268.....227		70076469.....213		70183714.....270		70617932.....249B		70628730.....165A	
70037000.....187		70076572.....213		70186451.....91		70617932.....267		70628736.....128	
70037000.....290		70078547.....281		70186531.....93		70617932.....267B		70628736.....55	
70038454.....167		70078810.....127		70186648.....110		70618083.....234		70628736.....56	
70040475.....153		70078810.....54		70186648.....112		70618084.....234		70628737.....55	
70040503.....173		70078908.....127		70188168.....95		70618173.....235		70628738.....171A	
70042911.....127		70078908.....54		70188309.....93		70618692.....235		70628738.....55	
70042951.....109		70080758.....39		70188436.....189		70618840.....235		70628738.....57A	
70047381.....208		70080809.....10		70188436.....189D		70619274.....235		70628784.....108	
70047381.....209		70082315.....145		70188476.....89		70619275.....235		70628784.....109	
70048922.....204		70082443.....39		70189269.....132		70619404.....230		70628794.....98	
70049988.....249		70082444.....39		70194132.....248		70619648.....230		70629138.....104	
70049993.....213		70082449.....39		70194165.....248		70619654.....230		70629346.....109	
70049993.....249		70082487.....39		70194166.....248		70619720.....230		70629349.....106	
70049993.....56		70082488.....39		70196531.....240		70619840.....234		70629350.....106	
70050227.....245		70082489.....39		70196531.....247		70619841.....235		70629355.....104	
70050507.....227		70082490.....39		70196606.....171A		70619952.....233		70629358.....104	
70050608.....227		70083318.....222		70196606.....57A		70620035.....208		70629407.....257	
70050609.....227		70084581.....173A		70196612.....240		70620063.....125A		70629697.....186	
70050610.....227		70084897.....40		70196645.....243		70620072.....29		70629698.....186	
70050611.....227		70084899.....40		70196645.....247		70620350.....216		70629709.....127	
70050612.....227		70085680.....213		70196645.....253		70621363.....136		70629755.....69	
70051647.....179		70087463.....189		70196765.....214		70621428.....204		70630056.....145	
70051836.....152		70087463.....189D		70196766.....281		70621429.....204		70630097.....174	
70051988.....141		70087463.....289		70197576.....65		70621724.....204		70630540.....39	
70051988.....178		70087463.....82		70199904.....240		70622102.....172		70630624.....174	
70051989.....141		70087463.....82A		70199904.....247		70623003.....153		70630738.....201	
70051989.....178		70087855.....57		70229210.....40		70623004.....153		70631476.....127	
70052066.....142		70090020.....161		70239726.....57		70623007.....153		70631476.....55	
70052066.....153		70090020.....193		70240962.....201		70623008.....153		70631572.....216	
70052118.....152		70090020.....249		70243526.....213		70623010.....152		70631573.....216	
70052371.....227		70090020.....249A		70243527.....213		70623016.....152		70631574.....216	
70052444.....143		70090020.....267		70243528.....213		70623017.....152		70631690.....174	
70052444.....144		70090020.....267B		70244554.....136		70623018.....153		70631704.....174	
70052519.....153		70090020.....54		70253308.....68		70623130.....167		70631769.....65	
70052669.....165		70092163.....187		70253322.....211		70623131.....167		70632036.....127	
70052669.....168		70092163.....205		70290743.....86		70623132.....167		70632060.....121	
70052671.....165A		70092163.....289		70600236.....234		70623133.....167		70632060.....160	
70052976.....139		70092163.....290		70604241.....246		70623139.....167		70632188.....189A	
70052977.....140		70092727.....44		70604241.....248A		70623144.....167		70632188.....189D	
70052979.....139		70092727.....45		70605801.....213		70623153.....167		70632361.....175	
70054073.....89		70093176.....221		70605923.....171		70623158.....167		70632368.....140	
70054809.....153		70093953.....142		70606392.....249B		70623164.....167		70632706.....201	
70055914.....87		70093972.....208		70606702.....233		70623182.....167		70632710.....55	
70056362.....89		70093972.....209		70606702.....235		70623195.....85		70632716.....55	
70058614.....103		70093972.....86		70609120.....233		70623234.....155		70632747.....55	
70058974.....89		70094450.....208		70609122.....233		70623234.....156		70632752.....55	

NUMERICAL INDEX 0073126645

PART NO	PAGE	PART NO	PAGE	PART NO	PAGE	PART NO	PAGE	PART NO	PAGE
70632766.....55		70643740.....139		70652011.....157A		70656746.....103		70657982.....89	
70633123.....55		70643740.....167		70652241.....85		70656756.....103		70657982.....9	
70633497.....135		70644266.....96		70652350.....55		70656766.....103		70657983.....9	
70633519.....47		70644337.....104		70652389.....119		70656774.....89		70657983.....94	
70633653.....214		70645074.....153		70652389.....9		70656790.....104		70657985.....93	
70633674.....186		70645074.....6		70652689.....161		70656795.....174		70657986.....89	
70633675.....186		70645236.....171B		70652995.....127		70656796.....174		70657987.....94	
70633955.....249B		70645236.....6		70652996.....127		70656849.....131		70657988.....93	
70635132.....128		70645319.....141		70653000.....127		70656849.....6		70657989.....89	
70635132.....45		70646245.....243		70653030.....127		70656919.....267		70657990.....94	
70635286.....267B		70646353.....44		70653031.....127		70656980.....114		70657991.....89	
70635447.....244		70646353.....6		70653113.....178		70656981.....111		70657992.....94	
70637051.....245		70646532.....121		70653279.....161		70657207.....244		70657993.....93	
70637056.....245		70646532.....160		70653319.....127		70657299.....106		70657994.....93	
70637541.....161		70646915.....157		70653319.....161		70657302.....104		70657998.....93	
70637993.....167		70646915.....6		70653319.....56		70657303.....108		70657999.....93	
70637997.....167		70646931.....65		70653570.....127		70657303.....109		70658001.....94	
70638002.....167		70647080.....174		70653570.....267		70657305.....106		70658002.....94	
70638039.....135		70647108.....257		70653570.....267B		70657305.....108		70658004.....95	
70638282.....204		70647122.....257		70653570.....54		70657305.....109		70658005.....95	
70638397.....213		70647151.....257		70653648.....216		70657312.....105		70658008.....9	
70638767.....91		70647621.....250		70653740.....104		70657313.....104		70658008.....94	
70638818.....167		70647622.....250		70653798.....103		70657314.....105		70658009.....9	
70638826.....247		70647638.....251A		70653798.....9		70657315.....104		70658009.....95	
70638887.....137		70647640.....251		70653819.....105		70657316.....104		70658010.....9	
70639312.....207		70647655.....251		70653873.....119		70657317.....104		70658010.....95	
70639388.....201B		70647656.....251		70653933.....158		70657318.....104		70658011.....95	
70639388.....68		70647665.....251		70653936.....158		70657319.....106		70658017.....95	
70639501.....108		70647666.....251		70654002.....101		70657319.....107		70658019.....95	
70639501.....109		70647808.....250		70654061.....101		70657321.....109		70658023.....91	
70639534.....89		70647808.....251		70654098.....81		70657322.....106		70658025.....96	
70639547.....111		70647996.....106		70654104.....102		70657323.....107		70658026.....9	
70639547.....112		70647996.....107		70654104.....9		70657324.....104		70658026.....93	
70639547.....115		70647996.....108		70654105.....102		70657328.....106		70658114.....9	
70639759.....108		70647996.....109		70654277.....101		70657329.....106		70658114.....93	
70639759.....109		70648173.....251		70654304.....131		70657549.....171		70658115.....93	
70639939.....133		70648173.....255		70654565.....82A		70657581.....107		70658116.....93	
70639939.....137		70648174.....251		70654655.....201A		70657582.....107		70658241.....248	
70639939.....91		70648175.....251		70654655.....57		70657582.....9		70658245.....265	
70639939.....95		70648238.....173B		70654811.....213		70657731.....251		70658246.....265	
70640636.....9		70648262.....216		70654840.....47		70657733.....251		70658246.....265B	
70640636.....97		70648331.....186		70655212.....267		70657734.....251A		70658278.....263	
70640637.....127		70648619.....104		70655212.....267B		70657735.....251		70658278.....263B	
70640675.....135		70648619.....9		70655215.....267		70657736.....251		70658279.....263	
70640676.....201		70649611.....242		70655215.....267B		70657737.....251A		70658280.....263	
70640677.....140		70650134.....189		70655420.....267		70657941.....93		70658281.....263	
70640704.....201B		70650134.....189B		70655420.....267B		70657942.....93		70658282.....262	
70640707.....201B		70650275.....167		70655452.....10		70657943.....93		70658282.....263A	
70640780.....160		70650276.....167		70655619.....89		70657944.....93		70658284.....262	
70641027.....257		70650428.....160		70655619.....9		70657945.....93		70658284.....263A	
70641029.....159		70650509.....47		70655746.....127		70657947.....93		70658286.....262	
70641031.....121		70650560.....244		70655838.....183		70657948.....93		70658286.....263A	
70641031.....160		70650675.....158		70655999.....156		70657949.....93		70658360.....263	
70641504.....125A		70650679.....158		70656227.....47		70657950.....93		70658360.....263B	
70641563.....170		70650691.....152		70656572.....159		70657951.....93		70658361.....263	
70641968.....249B		70650712.....127		70656573.....159		70657952.....93		70658363.....263	
70641968.....267		70650811.....142		70656574.....159		70657953.....93		70658363.....263B	
70642130.....249B		70650812.....152		70656593.....104		70657954.....93		70658364.....263	
70642147.....111		70650847.....175		70656594.....104		70657955.....93		70658364.....263B	
70642147.....112		70650944.....215		70656596.....109		70657956.....93		70658365.....263	
70642147.....114		70651109.....248		70656597.....104		70657958.....89		70658466.....262	
70642413.....13		70651113.....159		70656598.....104		70657963.....247		70658509.....65	
70642448.....153		70651529.....159		70656599.....108		70657967.....91		70658514.....87	
70642533.....125A		70651531.....159		70656601.....106		70657970.....91		70658630.....198	
70642633.....173		70651532.....159		70656602.....106		70657976.....94		70658633.....65	
70643124.....173B		70651533.....159		70656612.....107		70657977.....89		70658633.....69	
70643228.....251C		70651704.....233		70656614.....267		70657978.....89		70658637.....209	
70643228.....253		70651704.....237		70656614.....267B		70657980.....9		70658637.....6	
70643228.....253B		70652011.....154		70656681.....103		70657980.....94		70658640.....125	
70643229.....173B		70652011.....156		70656704.....91		70657981.....89		70658931.....9	

NUMERICAL INDEX 0073126645

PART NO	PAGE	PART NO	PAGE	PART NO	PAGE	PART NO	PAGE	PART NO	PAGE
70658931.....91		70663563.....183		70665250.....263		70667367.....179		70670158.....136	
70659129.....95		70663600.....127		70665250.....2638		70667377.....179		70670159.....136	
70659135.....95		70663727.....213		70665278.....246		70667378.....179		70670247.....230	
70659175.....86		70663940.....257		70665338.....187		70667482.....228		70670252.....228	
70659340.....267		70663977.....257		70665338.....285		70667482.....229		70670354.....243A	
70659340.....2678		70664000.....257		70665338.....2518		70667493.....228		70670357.....243A	
70659365.....123		70664074.....127		70665638.....252		70667493.....229		70670357.....6	
70659422.....135		70664099.....127		70665638.....6		70667496.....228		70670386.....91	
70659490.....197A		70664125.....127		70665687.....101		70667563.....135		70670397.....107	
70659494.....259		70664232.....45		70665688.....101		70667563.....9		70670411.....89	
70659494.....259A		70664237.....54		70665714.....263A		70667579.....201		70670451.....10	
70659496.....259		70664268.....174		70665718.....263		70667594.....248		70670630.....94	
70659497.....259		70664270.....139		70665726.....257		70667634.....132		70670631.....91	
70659504.....263		70664280.....174		70665761.....94		70667637.....133		70670634.....97	
70659504.....2638		70664281.....174		70665767.....257		70667640.....133		70670666.....119	
70659506.....263		70664456.....262		70665771.....93		70667670.....140		70670668.....119	
70659555.....263		70664456.....263A		70665814.....263		70667683.....66		70670672.....120	
70659555.....2638		70664458.....263		70665814.....2638		70667684.....66		70670673.....120	
70659615.....96		70664459.....263		70665851.....91		70668231.....259		70670673.....9	
70659776.....169		70664459.....2638		70665852.....91		70668231.....259A		70670674.....120	
70659828.....213		70664460.....263		70665895.....142		70668252.....47		70670675.....120	
70660144.....215		70664461.....263		70665930.....248		70668262.....47		70670698.....257	
70660513.....242		70664462.....262		70666036.....91		70668263.....47		70670699.....257	
70660557.....82		70664462.....263A		70666039.....9		70668281.....93		70670706.....101	
70660694.....201		70664464.....262		70666039.....91		70668373.....2		70670708.....97	
70660780.....263		70664464.....263A		70666042.....89		70668375.....2		70670735.....257	
70660792.....263		70664466.....263		70666071.....89		70668387.....245		70670741.....257	
70660792.....2638		70664569.....260		70666074.....94		70668394.....245		70670849.....176	
70660793.....263		70664571.....260		70666081.....96		70668482.....136		70671075.....81	
70660793.....2638		70664572.....260		70666082.....96		70668548.....264		70671076.....233	
70660869.....259		70664573.....260		70666382.....257		70668548.....265A		70671078.....233	
70661209.....228		70664574.....260		70666383.....257		70668550.....264		70671126.....219	
70661209.....230		70664575.....260		70666384.....257		70668550.....265A		70671143.....176	
70661237.....95		70664575.....261A		70666385.....257		70668551.....264		70671145.....176	
70661268.....121		70664577.....260		70666387.....257		70668551.....265A		70671177.....176	
70661268.....160		70664577.....261A		70666388.....257		70668552.....264		70671325.....257	
70661345.....201		70664581.....260		70666422.....257		70668552.....265A		70671433.....66	
70661534.....121		70664582.....260		70666423.....257		70668804.....47		70671451.....127	
70661534.....160		70664584.....261		70666557.....209		70668805.....47		70671497.....121	
70661583.....91		70664586.....261		70666557.....6		70668806.....47		70671593.....169	
70661593.....229		70664587.....260		70666565.....257		70668837.....91		70671598.....169	
70662189.....242		70664588.....261		70666575.....2518		70668840.....261		70671616.....121	
70662315.....131		70664650.....129		70666575.....253		70669002.....244		70671616.....160	
70662367.....131		70664650.....133		70666575.....2538		70669020.....93		70671617.....121	
70662368.....131		70664651.....129		70666630.....249		70669021.....93		70671617.....160	
70662411.....104		70664651.....133		70666630.....249A		70669053.....68		70671626.....178	
70662427.....57		70664652.....133		70666634.....257		70669188.....264		70671627.....178	
70662468.....257		70664655.....132		70666654.....258		70669188.....265A		70671628.....178	
70662549.....101		70664664.....133		70666790.....87		70669299.....10		70671629.....178	
70662578.....135		70664747.....259		70666791.....87		70669345.....158		70671682.....183	
70662633.....9		70664747.....259A		70666795.....55		70669350.....158		70671683.....183	
70662633.....97		70664748.....259		70666823.....267		70669351.....158		70671685.....183	
70662786.....174		70664748.....259A		70666823.....2678		70669352.....158		70671709.....211	
70662916.....91		70664837.....198		70667055.....91		70669359.....68		70671727.....223	
70662917.....91		70664852.....139		70667123.....65		70669367.....173A		70671763.....2018	
70662918.....91		70664867.....47		70667156.....232		70669423.....96		70671809.....66	
70662919.....133		70665094.....232		70667156.....251		70669434.....121		70671838.....66	
70662919.....91		70665095.....248		70667157.....251		70669454.....132		70671839.....66	
70662920.....91		70665096.....248		70667159.....1738		70669526.....68		70671990.....219	
70663322.....248		70665097.....248		70667162.....154		70669548.....85		70672000.....167	
70663343.....101		70665098.....248		70667188.....215		70669675.....229		70672002.....167	
70663364.....248		70665099.....248		70667192.....98		70669676.....229		70672003.....167	
70663370.....183		70665156.....232		70667234.....215		70669727.....243A		70672044.....267	
70663442.....107		70665157.....232		70667236.....179		70669727.....6		70672044.....2678	
70663466.....183		70665160.....232		70667252.....102		70669932.....136		70672054.....173E	
70663468.....98		70665160.....269		70667252.....140		70670064.....178		70672486.....133	
70663472.....125		70665167.....232		70667252.....29		70670066.....178		70672487.....110	
70663482.....107		70665174.....263		70667252.....7		70670068.....178		70672487.....113	
70663482.....9		70665174.....2638		70667252.....9		70670071.....177		70672487.....115	
70663552.....183		70665208.....232		70667366.....179		70670157.....136		70672642.....198	

NUMERICAL INDEX 0073126645

PART NO	PAGE	PART NO	PAGE	PART NO	PAGE	PART NO	PAGE	PART NO	PAGE
70672959.....233		70677006.....215		70677008.....83		70680246.....261A		70682595.....141	
70673037.....10		70677006.....220		70677008.....97		70680376.....133		70682598.....141	
70673071.....123		70677006.....221		70677010.....140A		70680381.....253B		70682601.....153	
70673081.....228		70677006.....240		70677010.....173		70680382.....253B		70682602.....141	
70673082.....228		70677006.....241		70677010.....173A		70680403.....137		70682606.....141	
70673083.....123		70677006.....243		70677010.....173B		70680404.....137		70682649.....98	
70673085.....123		70677006.....247		70677010.....179		70680511.....260		70682657.....229	
70673454.....158		70677006.....251C		70677010.....189		70680511.....261A		70682797.....2	
70673598.....85		70677006.....253		70677010.....189D		70680513.....259		70682823.....179	
70673599.....85		70677006.....253B		70677010.....251C		70680513.....264		70683152.....215	
70674318.....185		70677006.....257		70677010.....253		70680580.....171A		70683211.....155	
70674320.....185		70677006.....258		70677010.....253B		70680581.....171A		70683381.....242	
70674321.....185		70677006.....290		70677010.....289		70680582.....171A		70683421.....213	
70674412.....157B		70677006.....37		70677012.....10		70680622.....83		70683485.....155	
70674412.....158		70677006.....49		70677012.....173		70680714.....84		70683491.....155	
70674755.....55		70677006.....55		70677012.....205		70680715.....117		70683549.....238	
70674774.....55		70677006.....61		70677012.....222		70680715.....140		70683563.....238	
70674798.....121		70677006.....65		70677012.....222A		70680746.....6		70683591.....118	
70674798.....160		70677006.....68		70677012.....257		70680746.....82		70683591.....6	
70675282.....91		70677006.....69		70677012.....47		70680747.....82		70683592.....118	
70675487.....81		70677006.....82A		70677159.....177		70680767.....82		70683592.....6	
70675488.....81		70677006.....85		70677160.....177		70680769.....82		70683678.....67	
70675496.....230		70677006.....86		70677163.....177		70680784.....161		70683704.....239	
70676091.....94		70677006.....87		70677164.....177		70680786.....161		70683739.....67	
70676092.....91		70677007.....67		70677167.....177		70680788.....161		70683795.....264	
70676122.....175		70677008.....117		70677218.....177		70680865.....57		70683796.....201	
70676122.....176		70677008.....118		70677289.....121		70680894.....55		70683818.....47	
70676122.....232		70677008.....127		70677437.....133		70680899.....96		70684244.....144	
70676122.....235		70677008.....128		70677438.....132		70680912.....128		70684399.....85	
70676130.....91		70677008.....135		70677439.....132		70680917.....165		70684408.....265	
70676421.....149		70677008.....139		70677440.....133		70680931.....171B		70684408.....265B	
70676455.....180		70677008.....140		70677474.....137		70681049.....98		70684409.....265	
70676456.....180		70677008.....156		70677634.....164		70681050.....98		70684410.....265	
70676586.....65		70677008.....157		70677637.....164		70681070.....114		70684410.....265B	
70676647.....202		70677008.....157A		70677638.....164		70681070.....93		70684411.....265	
70676660.....121		70677008.....157B		70677639.....164		70681094.....173A		70684413.....265	
70676838.....230		70677008.....165		70677641.....164		70681103.....104		70684413.....265B	
70676839.....230		70677008.....168		70677642.....164		70681105.....65		70684416.....264	
70677004.....193		70677008.....173B		70677643.....164		70681150.....65		70684418.....215	
70677004.....201B		70677008.....181		70677696.....177A		70681152.....65		70684432.....158	
70677004.....211		70677008.....187		70677885.....215		70681189.....173A		70684435.....265	
70677004.....225		70677008.....189		70677914.....198		70681223.....96		70684435.....265A	
70677004.....57		70677008.....189D		70678072.....173		70681503.....173		70684436.....265	
70677005.....116		70677008.....194		70678072.....184		70681504.....173		70684436.....265B	
70677005.....189		70677008.....196		70678072.....222		70681507.....173		70684437.....265	
70677005.....189D		70677008.....197A		70678072.....222A		70681516.....173		70684437.....265B	
70677005.....197A		70677008.....201		70678072.....239		70681526.....173		70684438.....264	
70677006.....116		70677008.....201A		70678188.....223		70681545.....255		70684438.....265A	
70677006.....123		70677008.....202		70678236.....208		70681558.....142		70684439.....264	
70677006.....127		70677008.....205A		70678436.....180		70681558.....153		70684439.....265A	
70677006.....128		70677008.....213		70678437.....180		70681559.....153		70684564.....84	
70677006.....140		70677008.....214		70678438.....180		70681560.....142		70684595.....208	
70677006.....154		70677008.....216		70678856.....160		70681649.....2		70684595.....209	
70677006.....165		70677008.....219		70678984.....257		70681695.....158		70684695.....67	
70677006.....167A		70677008.....221		70679312.....167		70681718.....2		70684726.....142	
70677006.....171		70677008.....238		70679335.....171B		70682188.....85		70684726.....153	
70677006.....171A		70677008.....239		70679349.....234		70682194.....143		70684748.....91	
70677006.....173B		70677008.....242		70679350.....234		70682224.....10		70684749.....91	
70677006.....187		70677008.....245		70679375.....117		70682286.....239		70684837.....220	
70677006.....189		70677008.....247		70679375.....140		70682371.....95		70684966.....197	
70677006.....189A		70677008.....251C		70679507.....145		70682534.....177		70684988.....68	
70677006.....189D		70677008.....253		70679509.....145		70682540.....177A		70685028.....197	
70677006.....189E		70677008.....253B		70680023.....171B		70682549.....10		70685171.....197	
70677006.....193		70677008.....257		70680080.....189A		70682551.....177A		70685301.....197	
70677006.....195		70677008.....289		70680080.....189E		70682554.....177		70685542.....251A	
70677006.....197A		70677008.....36		70680241.....260		70682555.....10		70685557.....219	
70677006.....201		70677008.....47		70680244.....260		70682556.....177		70685768.....221	
70677006.....202		70677008.....55		70680244.....261A		70682557.....294		70685809.....169	
70677006.....208		70677008.....56		70680245.....260		70682557.....297		70685812.....168	
70677006.....209		70677008.....67		70680246.....260		70682559.....177		70685828.....168	

NUMERICAL INDEX 0073126645

PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE
70685833.....248		70687172.....149		70689324.....232		70689935.....242		70690736.....171	
70685842.....169		70687175.....149		70689341.....83		70689957.....244		70690773.....253	
70685854.....169		70687177.....149		70689344.....83		70689958.....244		70690774.....253	
70685868.....169		70687178.....149		70689345.....83		70690172.....267		70690791.....253	
70685872.....168		70687179.....149		70689367.....189		70690172.....267B		70690803.....253	
70685875.....168		70687180.....149		70689367.....189D		70690174.....249		70690821.....144	
70686006.....248		70687222.....55		70689368.....93		70690174.....249A		70690823.....144	
70686037.....149		70687236.....209		70689371.....96		70690187.....165		70690825.....144	
70686096.....144		70687253.....184		70689374.....189		70690202.....168		70690829.....44	
70686337.....146		70687254.....184		70689374.....189D		70690214.....86		70690830.....44	
70686352.....142		70687261.....184		70689378.....91		70690221.....125		70690841.....245	
70686355.....143		70687292.....80		70689380.....91		70690291.....158		70690842.....245	
70686356.....145		70687486.....139		70689381.....91		70690310.....165		70690845.....160	
70686409.....139		70687658.....173		70689382.....187		70690313.....165		70690846.....157	
70686410.....139		70687659.....95		70689382.....290		70690316.....165A		70690846.....157B	
70686435.....153		70687681.....173		70689383.....187		70690317.....165		70690847.....155	
70686436.....153		70687732.....232		70689383.....289		70690353.....165		70690848.....157	
70686437.....141		70687732.....235		70689403.....187		70690377.....161		70690848.....157B	
70686446.....221		70687742.....140		70689435.....259		70690378.....161		70690849.....155	
70686476.....143		70687753.....140		70689446.....47		70690395.....139		70690849.....6	
70686503.....142		70687762.....140		70689476.....67		70690400.....125		70690850.....155	
70686515.....143		70687769.....139		70689504.....82		70690415.....125A		70690850.....6	
70686537.....146		70687769.....140A		70689597.....205		70690482.....127		70690851.....157	
70686546.....143		70687784.....257		70689599.....84		70690498.....127		70690851.....157B	
70686571.....145		70687813.....173A		70689619.....173B		70690499.....128		70690851.....6	
70686615.....142		70687851.....195		70689623.....206		70690552.....54		70690852.....157	
70686616.....142		70687868.....257		70689644.....205		70690555.....55		70690852.....157B	
70686663.....173A		70687875.....258		70689657.....244		70690556.....55		70690852.....6	
70686664.....173A		70688004.....176		70689658.....244		70690557.....56		70690853.....156	
70686666.....173A		70688006.....176		70689705.....187		70690559.....55		70690869.....146	
70686669.....144		70688007.....176		70689759.....246		70690560.....55		70690873.....133	
70686679.....142		70688012.....176		70689760.....246		70690580.....249		70690878.....44	
70686680.....144		70688114.....173A		70689763.....246		70690580.....249A		70690915.....44	
70686754.....167		70688151.....193		70689766.....243		70690583.....267		70690915.....6	
70686782.....145		70688282.....211		70689775.....189		70690590.....249		70690921.....157	
70686811.....146		70688737.....110		70689775.....189D		70690590.....249A		70690922.....157	
70686812.....146		70688737.....113		70689775.....289		70690591.....267		70690923.....45	
70686813.....146		70688737.....115		70689781.....241		70690591.....267B		70690924.....44	
70686841.....142		70688775.....193		70689801.....240		70690594.....56		70690924.....6A	
70686844.....146		70688799.....110		70689801.....6		70690612.....249		70690930.....45	
70686876.....180		70688799.....111		70689802.....240		70690613.....249		70690931.....157	
70686891.....180		70688799.....112		70689802.....6		70690621.....189		70690931.....157B	
70686896.....143		70688799.....114		70689803.....241		70690621.....189D		70690932.....157	
70686897.....147		70688801.....110		70689803.....6		70690625.....267		70690932.....37	
70686900.....180		70688801.....112		70689804.....241		70690636.....194		70690932.....55	
70686912.....180		70688801.....115		70689804.....6		70690636.....196		70690943.....154	
70686943.....144		70688802.....111		70689807.....243		70690638.....56		70690947.....154	
70686949.....147		70688802.....112		70689809.....201		70690643.....56		70690958.....157	
70686965.....144		70688802.....114		70689813.....243		70690644.....56		70690958.....157B	
70686966.....144		70688804.....111		70689813.....253		70690649.....177A		70690990.....36	
70686967.....144		70688804.....113		70689840.....243		70690650.....176		70690995.....36	
70686974.....232		70688804.....115		70689841.....243		70690658.....163		70690995.....6A	
70686976.....144		70688844.....2		70689842.....246		70690664.....163		70690998.....37	
70687002.....146		70688849.....220		70689843.....246		70690665.....176		70690998.....6A	
70687003.....146		70688864.....189		70689844.....246		70690667.....176		70691007.....37	
70687004.....146		70688906.....193		70689849.....246		70690678.....57		70691007.....6A	
70687014.....149		70688907.....189		70689852.....243		70690679.....57		70691009.....171	
70687020.....140		70688971.....267		70689854.....173A		70690680.....56		70691009.....6A	
70687021.....167		70688971.....267B		70689863.....243		70690681.....55		70691010.....182	
70687043.....167		70689165.....173B		70689863.....247		70690682.....56		70691023.....182	
70687049.....148		70689166.....173B		70689863.....253		70690685.....171		70691024.....37	
70687057.....140		70689167.....173B		70689864.....243		70690686.....171		70691025.....157	
70687058.....140		70689169.....86		70689865.....243		70690701.....54		70691025.....6A	
70687087.....173A		70689171.....173A		70689866.....243		70690704.....163		70691033.....182	
70687089.....173B		70689172.....173A		70689866.....241		70690730.....170		70691056.....182	
70687113.....149		70689229.....82		70689916.....243		70690731.....167		70691071.....182	
70687133.....149		70689291.....176		70689927.....240		70690732.....167		70691074.....182	
70687150.....149		70689298.....189		70689928.....241		70690733.....171		70691305.....176	
70687156.....150		70689305.....242		70689930.....241		70690734.....163		70691317.....213	
70687167.....150		70689305.....6		70689934.....242		70690735.....163		70691319.....202	

NUMERICAL INDEX 0073126645

PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE
70691321.....213		70693677.....174		70694782.....191		70695756.....115		70697258.....127	
70691326.....213		70693678.....174		70694783.....191		70695779.....83A		70697294.....189	
70691328.....203		70693689.....145		70694784.....191		70695807.....47		70697294.....189D	
70691331.....213		70693719.....180		70694802.....193		70695868.....191		70697326.....55	
70691337.....213		70693882.....168		70694861.....214		70695869.....245		70697400.....116	
70691338.....201		70693996.....238		70694872.....210		70695982.....207		70697404.....195	
70691372.....176		70693996.....6A		70694872.....6A		70695985.....209		70697411.....248	
70691449.....117		70693997.....238		70694873.....208		70695987.....210		70697463.....217	
70691449.....9		70693997.....6A		70694873.....6A		70695996.....164		70697464.....217	
70691450.....117		70693998.....238		70694874.....182		70696005.....232		70697465.....217	
70691462.....116		70693998.....6A		70694883.....128		70696014.....45		70697466.....217	
70691463.....140		70694000.....65		70694907.....194		70696014.....6A		70697467.....217	
70691483.....116		70694031.....180		70694907.....196		70696016.....202		70697496.....180	
70691485.....117		70694057.....180		70694947.....187		70696035.....232		70697529.....211	
70691537.....140		70694098.....180		70694947.....189A		70696036.....232		70697532.....172	
70691541.....140		70694099.....195		70694947.....189E		70696086.....239		70697569.....189D	
70691549.....158		70694109.....181		70694947.....193		70696090.....239		70697588.....67	
70691551.....117		70694113.....179		70694947.....197A		70696121.....141		70697589.....65	
70691572.....117		70694114.....179		70694947.....258		70696124.....239		70697599.....172	
70691572.....6A		70694303.....190		70694948.....187		70696128.....83A		70697716.....208	
70691578.....102		70694305.....191		70694962.....225		70696200.....83		70697716.....6A	
70691604.....178		70694306.....190		70694966.....225		70696304.....267		70697717.....170	
70691607.....178		70694307.....190		70694987.....225		70696304.....267B		70697718.....171	
70691619.....182		70694317.....184		70694991.....197A		70696305.....267		70697788.....171	
70691620.....182		70694319.....182		70694992.....83		70696305.....267B		70697791.....6A	
70691621.....182		70694320.....184		70694993.....197A		70696319.....171A		70697791.....87	
70691622.....182		70694321.....173A		70694994.....197A		70696325.....83A		70697802.....108	
70691721.....229		70694328.....149		70695034.....198		70696329.....232		70697812.....29	
70691721.....230		70694331.....81		70695061.....2		70696330.....232		70697814.....140	
70691722.....229		70694352.....169		70695062.....2		70696331.....202		70697960.....189A	
70691722.....230		70694356.....139		70695100.....234		70696335.....201		70697960.....189E	
70691743.....230		70694385.....189		70695134.....69		70696450.....2		70697960.....193	
70691744.....230		70694385.....189D		70695137.....199A		70696451.....2		70697960.....197A	
70691745.....208		70694386.....193		70695139.....234		70696452.....2		70698037.....198	
70691775.....66		70694397.....180		70695143.....215		70696453.....2		70698038.....198	
70691906.....220		70694401.....187		70695144.....199A		70696454.....2		70698293.....2	
70691986.....207		70694417.....139		70695157.....149		70696455.....2		70698346.....257	
70692019.....222A		70694419.....139		70695205.....194		70696456.....2		70698363.....220	
70692028.....222		70694424.....199A		70695216.....194		70696474.....2		70698364.....220	
70692042.....221		70694425.....199A		70695220.....196		70696475.....2		70698365.....220	
70692055.....221		70694436.....199A		70695225.....142		70696476.....2		70698397.....251C	
70692320.....197A		70694437.....199A		70695235.....142		70696477.....2		70698397.....253B	
70692323.....197A		70694445.....228		70695236.....142		70696478.....2		70698399.....239	
70692324.....197A		70694446.....228		70695238.....143		70696515.....206		70698423.....259	
70692327.....197A		70694447.....228		70695239.....201		70696656.....207		70698423.....259A	
70692340.....65		70694452.....199A		70695256.....97		70696657.....2		70698437.....139	
70692343.....194		70694466.....228		70695286.....219		70696691.....156		70698438.....139	
70692344.....194		70694482.....202		70695287.....219		70696695.....156		70698502.....2	
70692346.....196		70694522.....184		70695298.....173B		70696698.....9		70698506.....205	
70692347.....196		70694541.....175		70695381.....173A		70696699.....9		70698507.....289	
70692350.....196		70694547.....175		70695408.....172		70696786.....175		70698554.....2	
70692353.....196		70694548.....175		70695409.....172		70696800.....189		70698555.....2	
70692354.....196		70694560.....174		70695410.....172		70696800.....189D		70698574.....259	
70692429.....110		70694563.....175		70695411.....172		70696850.....93		70698574.....264	
70692429.....112		70694564.....175		70695472.....213		70696863.....201		70698576.....2	
70692500.....202		70694569.....181		70695505.....146		70696864.....201		70698577.....259	
70692511.....81		70694570.....181		70695506.....146		70696918.....140		70698697.....206	
70692512.....81		70694574.....248		70695518.....94		70696921.....174		70698727.....167A	
70692518.....193		70694597.....174		70695625.....110		70696976.....180		70698728.....167A	
70692900.....259		70694598.....174		70695625.....112		70697003.....245		70698729.....167A	
70692925.....123		70694602.....228		70695625.....114		70697004.....245		70698730.....214	
70692925.....6A		70694638.....82A		70695649.....204		70697087.....201		70698742.....198	
70693463.....290		70694662.....150		70695751.....111		70697088.....201		70698743.....198	
70693569.....111		70694701.....81		70695751.....112		70697209.....222A		70698744.....198	
70693569.....113		70694702.....81		70695751.....114		70697210.....222A		70698857.....246	
70693569.....115		70694703.....81		70695755.....110		70697225.....222		70698859.....87	
70693634.....207		70694704.....81		70695755.....113		70697226.....222		70698909.....91	
70693636.....207		70694705.....81		70695755.....115		70697235.....189		70698910.....91	
70693673.....174		70694711.....68		70695756.....110		70697235.....189D		70698911.....91	
70693674.....174		70694781.....191		70695756.....113		70697242.....199A		70698912.....91	

NUMERICAL INDEX 0073126645

PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE
70698913.....91		70900806.....10		70904206.....49		70910285.....127		70910325.....219	
70698944.....198		70900806.....165A		70904206.....51		70910285.....213		70910325.....248A	
70698975.....2		70900806.....167		70904206.....61		70910285.....270		70910325.....25	
70698993.....198		70900806.....186		70904206.....70		70910285.....272		70910325.....253	
70699039.....147		70900806.....213		70904206.....71		70910285.....273		70910325.....269	
70699040.....145		70900806.....249		70904206.....73		70910285.....274		70910325.....47	
70699049.....111		70900806.....55		70904206.....75		70910285.....281		70910325.....78	
70699049.....112		70900808.....10		70904207.....71		70910285.....289		70910329.....264	
70699049.....114		70900808.....167		70904207.....73		70910285.....294		70910329.....265A	
70699061.....179		70900808.....56		70904208.....11		70910285.....296		70910334.....207	
70699103.....2		70900808.....66		70904208.....219		70910285.....68		70910335.....269	
70699126.....207		70900808.....82A		70904208.....255		70910286.....135		70910335.....68	
70699203.....111		70900816.....267		70904208.....35		70910286.....259C		70910510.....56	
70699204.....112		70900816.....267B		70904208.....47		70910286.....260		70910510.....85	
70699205.....113		70900942.....54		70904208.....49		70910286.....261		70910511.....82	
70699206.....114		70900970.....121		70904208.....72		70910286.....261A		70910847.....13	
70699207.....115		70900970.....160		70904208.....73		70910286.....261B		70910847.....167	
70699247.....222A		70900970.....55		70904210.....186		70910286.....263A		70910876.....123	
70699259.....120A		70900970.....57A		70904224.....139		70910286.....263B		70910880.....270	
70699268.....215		70901171.....51		70904260.....139		70910286.....263C		70910880.....273	
70699281.....274		70901171.....52B		70904271.....281		70910286.....296		70910880.....274	
70699320.....2		70901310.....270		70904271.....79		70910286.....36		70910880.....276	
70699853.....2		70901310.....271		70904369.....237		70910286.....54		70910880.....289	
70699856.....156		70901310.....283		70905122.....249		70910286.....55		70910880.....43	
70699857.....156		70901310.....297		70905122.....249A		70910286.....81		70910880.....43A	
70699862.....123		70901310.....51		70905123.....54		70910286.....94		70910880.....51	
70699862.....6A		70901310.....52B		70905127.....14		70910287.....11A		70910880.....52	
70699863.....123		70901349.....233		70905129.....14		70910287.....11B		70910880.....52B	
70699863.....6A		70901490.....45		70905357.....142		70910287.....119		70910968.....201	
70699864.....123		70901652.....108		70905358.....142		70910287.....127		70910980.....161	
70699864.....6A		70901652.....121		70905360.....104		70910287.....131		70911024.....127	
70699865.....123		70901653.....108		70905360.....143		70910287.....135		70911024.....193	
70699865.....6A		70901667.....58		70905361.....149		70910287.....156		70911024.....206	
70699866.....123		70901669.....47		70905845.....49		70910287.....165		70911024.....213	
70699866.....6A		70901678.....45		70905850.....27		70910287.....171		70911024.....215	
70699867.....123		70901722.....44		70906960.....213		70910287.....244		70911024.....39	
70699867.....6A		70901723.....44		70906960.....221		70910287.....251B		70911024.....68	
70699868.....123		70901725.....117		70906961.....216		70910287.....252		70911025.....116	
70699868.....6A		70901763.....201B		70906985.....65		70910287.....257		70911025.....189	
70699869.....123		70901839.....73		70907154.....269		70910287.....267		70911025.....189D	
70699869.....6A		70901850.....219		70907859.....114		70910287.....275		70911025.....45	
70699870.....123		70902274.....189		70907859.....137		70910287.....284		70911025.....54	
70699870.....6A		70902274.....82A		70907859.....139		70910287.....285		70911025.....81	
70699871.....123		70902277.....239		70907863.....32		70910287.....289		70911026.....125A	
70699872.....201		70903574.....267		70907863.....33		70910287.....29		70911026.....127	
70699873.....201		70903574.....267B		70907863.....33A		70910287.....290		70911026.....135	
70699888.....158		70903626.....63		70908944.....49A		70910287.....292		70911026.....154	
70699889.....158		70903628.....93		70909055.....211		70910287.....43		70911026.....165	
70900365.....211		70904016.....146		70909055.....271		70910287.....49		70911026.....167A	
70900366.....189D		70904203.....51		70910002.....149		70910287.....49A		70911026.....171	
70900366.....191		70904203.....52B		70910123.....27		70910287.....528		70911026.....193	
70900367.....13A		70904204.....136		70910123.....75		70910287.....54		70911026.....208	
70900367.....171A		70904204.....20		70910141.....28		70910287.....71		70911026.....209	
70900367.....211		70904204.....25		70910175.....75		70910287.....75		70911026.....213	
70900367.....215		70904204.....28		70910195.....201		70910287.....97		70911026.....214	
70900367.....251C		70904204.....43		70910195.....202		70910302.....167		70911026.....243	
70900367.....253B		70904204.....43A		70910231.....83		70910323.....269		70911026.....37	
70900367.....57		70904204.....49		70910235.....215		70910323.....55		70911026.....45	
70900369.....201		70904204.....51		70910243.....193		70910323.....94		70911026.....65	
70900369.....239		70904204.....52		70910244.....105		70910324.....247B		70911026.....87	
70900369.....251C		70904204.....52B		70910244.....45		70910324.....249		70911027.....67	
70900369.....253B		70904205.....20		70910244.....55		70910324.....249A		70911028.....117	
70900369.....57		70904205.....25		70910244.....73		70910324.....253		70911028.....118	
70900370.....239		70904205.....262		70910244.....85		70910324.....267		70911028.....156	
70900370.....82		70904205.....56		70910251.....193		70910324.....289		70911028.....157A	
70900703.....27		70904205.....57A		70910267.....55		70910324.....290		70911028.....201	
70900801.....127		70904206.....11		70910267.....56		70910324.....49A		70911028.....205A	
70900801.....161		70904206.....19		70910284.....171B		70910324.....61		70911028.....213	
70900801.....56		70904206.....245		70910284.....201		70910324.....70		70911028.....221	
70900805.....214		70904206.....27		70910284.....81		70910324.....73		70911028.....251B	

NUMERICAL INDEX 0073126645

PART NO	PAGE	PART NO	PAGE	PART NO	PAGE	PART NO	PAGE	PART NO	PAGE
70911028.....252		70912069.....11A		70913112.....49		70914847.....73		70916311.....49	
70911028.....45		70912069.....27		70913112.....498		70915018.....214		70916311.....72	
70911028.....55		70912069.....73		70913233.....206		70915274.....244		70916311.....78	
70911028.....83		70912069.....75		70913280.....10		70915274.....245		70916313.....73	
70911029.....1738		70912085.....117		70913528.....267		70915276.....180		70916313.....78	
70911029.....202		70912201.....269		70913528.....2678		70915343.....49		70916316.....13	
70911030.....174		70912201.....41		70913544.....19		70915406.....25		70916317.....13	
70911030.....222A		70912201.....78		70913544.....49		70915406.....39		70916317.....35	
70911030.....236		70912226.....43		70913544.....61		70915408.....11		70916317.....59	
70911032.....228		70912226.....43A		70913679.....127		70915408.....11A		70916317.....72	
70911032.....229		70912298.....41		70913683.....75		70915408.....51		70916320.....72	
70911032.....230		70912298.....78		70913798.....83		70915408.....528		70916320.....73	
70911034.....127		70912299.....239		70913830.....128		70915408.....61		70916321.....11	
70911034.....55		70912302.....294		70913830.....249		70915513.....94		70916321.....118	
70911034.....56		70912333.....269		70913830.....84		70915514.....43		70916322.....73	
70911041.....127		70912333.....35		70913974.....269		70915692.....83		70916323.....35	
70911041.....54		70912333.....72		70914012.....246		70915746.....257		70916324.....35	
70911041.....65		70912415.....71		70914105.....190		70915797.....267		70916441.....236	
70911041.....69		70912441.....102		70914105.....191		70915797.....2678		70916532.....190	
70911043.....128		70912441.....103		70914376.....36		70915807.....25		70916532.....191	
70911043.....193		70912441.....105		70914378.....44		70915813.....20		70916543.....30	
70911043.....213		70912441.....106		70914465.....174		70915891.....213		70916543.....31	
70911043.....84		70912441.....107		70914465.....228		70915891.....2498		70916555.....186	
70911044.....216		70912441.....108		70914465.....229		70915891.....267		70916559.....264	
70911044.....27		70912441.....109		70914465.....232		70915891.....2678		70916559.....265A	
70911045.....173		70912441.....11A		70914465.....233		70915891.....86		70916591.....55	
70911047.....175		70912441.....118		70914465.....235		70915903.....158		70916621.....201	
70911048.....127		70912441.....119		70914465.....239		70915904.....95		70916871.....31	
70911048.....128		70912441.....141		70914465.....245		70915969.....24		70917013.....28	
70911048.....2498		70912441.....145		70914465.....251		70915969.....72		70917014.....27	
70911048.....267		70912441.....153		70914465.....255		70915969.....73		70917023.....27	
70911048.....2678		70912441.....215		70914465.....94		70915972.....185		70917192.....174	
70911048.....54		70912441.....237		70914498.....41		70915972.....215		70917257.....269	
70911048.....55		70912441.....24		70914501.....189		70915972.....289		70917257.....270	
70911048.....56		70912441.....246		70914501.....189D		70915987.....237		70917257.....274	
70911049.....165A		70912441.....248A		70914501.....235		70915987.....255		70917257.....283	
70911049.....207		70912441.....25		70914501.....251		70915987.....35		70917257.....297	
70911049.....39		70912441.....251B		70914501.....255		70915987.....49A		70917356.....63	
70911069.....235		70912441.....252		70914501.....289		70915987.....59		70917356.....76	
70911114.....20		70912441.....293		70914590.....136		70915987.....72		70917376.....201	
70911114.....206		70912441.....41		70914659.....51		70915987.....73		70917378.....68	
70911114.....273		70912441.....42		70914659.....52A		70915990.....118		70917384.....68	
70911114.....289		70912441.....43		70914678.....101		70916001.....30		70917388.....270	
70911114.....290		70912441.....43A		70914678.....119		70916004.....161		70917388.....283	
70911114.....294		70912441.....49A		70914678.....13		70916009.....10		70917388.....57	
70911114.....49		70912441.....55		70914678.....158		70916009.....73		70917409.....27	
70911114.....57A		70912441.....58		70914678.....269		70916024.....55		70917415.....171A	
70911115.....284		70912441.....59		70914678.....297		70916080.....1718		70917415.....211	
70911115.....285		70912441.....78		70914678.....30		70916168.....164		70917425.....59	
70911115.....289		70912497.....251		70914678.....41		70916191.....41		70917448.....13	
70911115.....290		70912589.....68		70914678.....78		70916191.....73		70917479.....297	
70911115.....292		70912603.....185		70914678.....82		70916191.....78		70917503.....1718	
70911115.....49A		70912611.....273		70914678.....87		70916253.....13		70917673.....208	
70911115.....51		70912731.....204		70914709.....227		70916254.....41		70917673.....27	
70911115.....57		70912731.....269		70914710.....227		70916269.....61		70917673.....58	
70911115.....61		70912739.....204		70914711.....227		70916271.....71		70917673.....89	
70911115.....73		70912772.....275		70914712.....227		70916271.....91		70917673.....95	
70911201.....91		70912772.....290		70914713.....227		70916272.....19		70917676.....205	
70911325.....193		70912772.....293		70914714.....227		70916272.....73		70917730.....2018	
70911327.....215		70912808.....98		70914715.....227		70916274.....71		70917730.....225	
70911414.....78		70912845.....184		70914716.....227		70916276.....49A		70917733.....104	
70911421.....45		70912900.....167		70914717.....227		70916277.....56		70917792.....220	
70911841.....68		70912942.....100		70914718.....227		70916277.....57A		70917807.....41	
70911982.....57		70912942.....178		70914719.....227		70916284.....20		70917807.....43	
70911992.....263		70912942.....202		70914728.....175		70916311.....11		70917807.....43A	
70911992.....2638		70912942.....216		70914730.....185		70916311.....11A		70917807.....49	
70911992.....31		70912942.....238		70914730.....269		70916311.....24		70917807.....498	
70912007.....29		70912942.....245		70914732.....227		70916311.....25		70917807.....61	
70912007.....42		70913077.....186		70914847.....245		70916311.....42		70917809.....51	
70912007.....43A		70913097.....223		70914847.....49A		70916311.....43A		70917809.....52A	

NUMERICAL INDEX 0073126645

PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE
70917809.....52B		70919087.....171		70919282.....6A		70920582.....135		70920852.....6A	
70917809.....73		70919127.....117		70919294.....73		70920582.....146		70920857.....6A	
70917810.....41		70919127.....87		70919303.....51		70920582.....149		70920858.....6	
70917810.....43		70919128.....171B		70919303.....52A		70920582.....154		70920858.....6A	
70917810.....43A		70919128.....37		70919311.....149		70920582.....156		70920862.....6	
70917810.....49		70919134.....12		70919311.....269		70920582.....157		70920862.....6A	
70917810.....49B		70919134.....164		70919342.....29		70920582.....157A		70920864.....6	
70917810.....61		70919135.....101		70919347.....15		70920582.....157B		70920864.....6A	
70917841.....28		70919135.....44		70919350.....219		70920582.....173		70920865.....6	
70917947.....91		70919136.....44		70919350.....47		70920582.....181		70920865.....6A	
70917958.....169		70919137.....117		70919464.....163		70920582.....187		70920867.....6	
70917970.....12		70919140.....123		70919472.....167		70920582.....196		70920867.....6A	
70917970.....70		70919140.....208		70919481.....73		70920582.....205		70920868.....6A	
70918147.....193		70919140.....210		70919483.....171B		70920582.....205A		70920869.....6A	
70918182.....76		70919143.....6		70919597.....85		70920582.....239		70920874.....6	
70918237.....52B		70919143.....6A		70919624.....157B		70920582.....242		70920874.....6A	
70918245.....233		70919155.....6		70919777.....13		70920582.....245		70920877.....6A	
70918245.....234		70919155.....6A		70919797.....51		70920582.....253		70920879.....6A	
70918245.....238		70919156.....6		70919797.....52B		70920582.....290		70920880.....6	
70918308.....240		70919156.....6A		70919800.....52		70920582.....293		70920880.....6A	
70918308.....65		70919159.....6A		70919801.....49A		70920582.....45		70920882.....6	
70918309.....242		70919171.....163		70919824.....140		70920582.....57		70920933.....6A	
70918309.....83		70919171.....208		70919840.....118		70920582.....65		70920944.....6A	
70918374.....71		70919173.....140		70919840.....12		70920582.....67		70920952.....6	
70918395.....71		70919173.....163		70919840.....58		70920582.....93		70920952.....6A	
70918445.....171A		70919174.....209		70919840.....73		70920583.....103		70920957.....6	
70918445.....57A		70919174.....210		70919850.....12		70920583.....106		70920972.....6A	
70918464.....294		70919175.....6A		70919887.....12		70920583.....107		70920973.....6	
70918471.....275		70919194.....6		70920117.....189		70920583.....108		70920975.....6	
70918547.....114		70919194.....6A		70920132.....20		70920583.....109		70920975.....6A	
70918547.....133		70919195.....37		70920144.....6A		70920583.....118		70920978.....6A	
70918553.....159		70919196.....6		70920187.....201B		70920583.....140		70920995.....163	
70918683.....72		70919196.....6A		70920221.....6A		70920583.....165		70920995.....249	
70918697.....35		70919197.....247B		70920222.....6A		70920583.....187		70920995.....249A	
70918740.....71		70919205.....36		70920242.....51		70920583.....189		70920995.....284	
70918794.....51		70919206.....125		70920242.....52B		70920583.....189D		70920995.....285	
70918794.....52		70919206.....37		70920279.....49		70920583.....238		70920996.....165	
70918850.....160		70919206.....82		70920279.....49B		70920583.....243		70920996.....244	
70918851.....12		70919207.....6A		70920280.....41		70920583.....246		70921013.....150	
70918887.....11		70919217.....6A		70920280.....43		70920583.....247		70921013.....171B	
70918887.....11A		70919218.....6		70920280.....43A		70920583.....293		70921033.....6	
70918887.....25		70919224.....11		70920280.....49		70920583.....36		70921033.....6A	
70918887.....71		70919224.....11B		70920280.....49B		70920585.....102		70921034.....6	
70918888.....35		70919224.....43		70920294.....189E		70920585.....139		70921034.....6A	
70918888.....71		70919224.....70		70920294.....289		70920585.....142		70921042.....6	
70918888.....75		70919224.....71		70920301.....6		70920585.....145		70921042.....6A	
70918951.....35		70919224.....75		70920301.....6A		70920585.....156		70921068.....174	
70919005.....61		70919225.....73		70920302.....6		70920585.....157A		70921068.....222A	
70919015.....118		70919225.....75		70920302.....6A		70920585.....173B		70921068.....47	
70919015.....49		70919226.....70		70920303.....6		70920585.....201		70921076.....101	
70919062.....101		70919227.....118		70920303.....6A		70920585.....243A		70921076.....118	
70919062.....149		70919229.....11		70920329.....57		70920585.....257		70921076.....116	
70919063.....125		70919229.....13		70920333.....73		70920585.....55		70921076.....117	
70919063.....125A		70919230.....43		70920333.....76		70920594.....32		70921076.....123	
70919063.....37		70919230.....58		70920344.....6		70920594.....33		70921076.....128	
70919063.....44		70919231.....72		70920344.....6A		70920594.....33A		70921076.....135	
70919063.....82		70919242.....110		70920416.....12		70920660.....55		70921076.....156	
70919063.....170		70919242.....112		70920416.....70		70920660.....95		70921076.....165	
70919074.....6A		70919242.....114		70920525.....71		70920722.....79		70921076.....172	
70919075.....6		70919253.....6A		70920525.....72		70920790.....49		70921076.....189	
70919075.....6A		70919254.....6		70920570.....173B		70920794.....6A		70921076.....189D	
70919075.....6		70919254.....6A		70920574.....119		70920795.....6		70921076.....189E	
70919075.....6A		70919271.....257		70920574.....153		70920838.....6A		70921076.....193	
70919079.....6A		70919272.....37		70920574.....174		70920847.....6		70921076.....213	
70919080.....6		70919277.....6		70920574.....20		70920847.....6A		70921076.....238	
70919080.....6A		70919277.....6A		70920574.....205		70920849.....6		70921076.....240	
70919081.....6		70919278.....6		70920574.....97		70920849.....6A		70921076.....241	
70919081.....6A		70919281.....6		70920582.....118		70920850.....6		70921076.....242	
70919082.....6		70919281.....6A		70920582.....119		70920850.....6A		70921076.....243	
70919082.....6A		70919282.....6		70920582.....127		70920852.....6		70921076.....244	

NUMERICAL INDEX 0073126645

PART NO	PAGE	PART NO	PAGE	PART NO	PAGE	PART NO	PAGE	PART NO	PAGE
70921076.....247		70921216.....129		70921558.....119		70921913.....156		70922510.....105	
70921076.....247A		70921216.....257		70921564.....6A		70921913.....85		70922510.....139	
70921076.....249		70921235.....9		70921565.....117		70921914.....167		70922510.....167	
70921076.....249A		70921235.....96		70921565.....127		70921914.....168		70922510.....253	
70921076.....251B		70921241.....177		70921565.....171		70921914.....82		70922510.....82A	
70921076.....252		70921241.....179		70921565.....267		70921914.....82A		70922510.....83	
70921076.....253B		70921244.....240		70921565.....292		70921914.....85		70922521.....209	
70921076.....257		70921244.....246		70921565.....45		70921915.....165		70922526.....105	
70921076.....258		70921266.....189		70921565.....55		70921992.....117		70922526.....139	
70921076.....285		70921266.....189D		70921566.....116		70922002.....239		70922526.....185	
70921076.....289		70921266.....289		70921566.....135		70922051.....24		70922526.....289	
70921076.....29		70921277.....170		70921566.....189		70922063.....158		70922577.....2618	
70921076.....49		70921279.....135		70921566.....189D		70922064.....29		70922577.....42	
70921076.....49A		70921297.....149		70921566.....191		70922089.....161		70922577.....43A	
70921076.....56		70921298.....171B		70921566.....197A		70922175.....139		70922632.....157B	
70921076.....65		70921330.....167		70921566.....93		70922198.....22		70922660.....156	
70921076.....85		70921349.....108		70921566.....95		70922198.....71		70922660.....213	
70921076.....89		70921349.....146		70921569.....101		70922199.....72		70922660.....219	
70921076.....93		70921349.....29		70921569.....119		70922211.....75		70922660.....85	
70921115.....238		70921349.....36		70921569.....156		70922220.....246		70922707.....81	
70921115.....240		70921364.....37		70921569.....243		70922220.....29		70922726.....104	
70921115.....247		70921372.....49B		70921569.....247		70922220.....30		70922726.....238	
70921115.....247A		70921378.....528		70921569.....251C		70922262.....161		70922735.....83	
70921115.....251B		70921382.....201B		70921569.....253		70922262.....167A		70922743.....140	
70921115.....252		70921382.....272		70921569.....269		70922262.....208		70922743.....140A	
70921115.....253B		70921382.....281		70921569.....297		70922262.....47		70922743.....174	
70921115.....29		70921402.....9A		70921569.....30		70922262.....82A		70922743.....205	
70921116.....242		70921403.....173		70921569.....87		70922286.....149		70922744.....222	
70921116.....243A		70921403.....173B		70921573.....108		70922286.....54		70922744.....257	
70921116.....247		70921405.....19		70921573.....9A		70922287.....118		70922747.....148	
70921116.....251B		70921409.....36		70921598.....215		70922287.....165		70922763.....11A	
70921116.....252		70921409.....9A		70921599.....246		70922287.....171A		70922763.....123	
70921117.....101		70921411.....173A		70921615.....190		70922287.....172		70922763.....127	
70921117.....119		70921411.....238		70921615.....191		70922287.....253B		70922763.....140	
70921117.....243		70921452.....167		70921691.....247B		70922287.....267		70922763.....143	
70921117.....247		70921452.....167A		70921730.....117		70922287.....45		70922763.....154	
70921117.....251C		70921455.....140A		70921839.....16		70922287.....65		70922763.....157	
70921117.....253		70921455.....242		70921841.....49		70922290.....73		70922763.....157B	
70921117.....253B		70921466.....37		70921852.....44		70922300.....125A		70922763.....189	
70921117.....87		70921467.....123		70921865.....22		70922300.....127		70922763.....193	
70921118.....119		70921467.....135		70921865.....41		70922300.....13A		70922763.....195	
70921118.....243		70921467.....163		70921865.....61		70922300.....135		70922763.....202	
70921118.....247		70921467.....240		70921866.....6		70922300.....149		70922763.....207	
70921170.....173		70921467.....243		70921874.....2618		70922300.....154		70922763.....208	
70921170.....237		70921467.....251B		70921883.....94		70922300.....157		70922763.....209	
70921172.....144		70921467.....251C		70921885.....129		70922300.....157B		70922763.....211	
70921174.....146		70921467.....253		70921885.....137		70922300.....171		70922763.....213	
70921175.....117		70921467.....253B		70921885.....248		70922300.....201		70922763.....214	
70921175.....145		70921467.....87		70921885.....41		70922300.....201A		70922763.....215	
70921175.....197A		70921467.....93		70921885.....42		70922300.....203		70922763.....243	
70921175.....201		70921467.....94		70921885.....43		70922300.....213		70922763.....247B	
70921175.....201A		70921472.....44		70921885.....43A		70922300.....214		70922763.....289	
70921175.....216		70921513.....6		70921885.....9		70922300.....221		70922763.....29	
70921175.....219		70921513.....6A		70921885.....93		70922300.....247B		70922763.....290	
70921175.....242		70921520.....27		70921885.....94		70922300.....275		70922763.....45	
70921175.....247		70921535.....139		70921910.....127		70922300.....290		70922763.....55	
70921175.....269		70921535.....173		70921910.....267		70922300.....45		70922763.....68	
70921175.....45		70921535.....178		70921910.....267B		70922300.....57		70922763.....86	
70921175.....56		70921535.....179		70921910.....54		70922457.....9A		70922763.....93	
70921181.....47		70921539.....167		70921911.....213		70922465.....149		70922765.....6A	
70921193.....207		70921539.....83		70921911.....280		70922465.....249B		70922789.....222	
70921204.....245		70921556.....141		70921911.....281		70922465.....267		70922789.....47	
70921204.....258		70921556.....20		70921911.....61		70922465.....267B		70922820.....132	
70921204.....264		70921556.....201		70921911.....79		70922471.....65		70922820.....133	
70921206.....245		70921556.....221		70921912.....165		70922475.....140A		70922834.....6A	
70921206.....258		70921556.....239		70921912.....168		70922475.....180		70922843.....81	
70921206.....264		70921556.....251C		70921912.....61		70922476.....213		70922848.....127	
70921214.....129		70921556.....253B		70921912.....85		70922505.....6		70922848.....156	
70921214.....157B		70921556.....56		70921913.....154		70922507.....125		70922848.....170	
70921214.....257		70921556.....85		70921913.....155		70922508.....55		70922848.....247	

NUMERICAL INDEX 0073126645

PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE
70922849.....253		70923594.....178		70924636.....29		70925806.....238		70926697.....129	
70922884.....20		70923594.....258		70924676.....251C		70925832.....157A		70926699.....47	
70922894.....6		70923645.....51		70924676.....2538		70925853.....2478		70926707.....123	
70922894.....6A		70923645.....52A		70924694.....118		70925856.....2478		70926707.....201	
70922924.....197A		70923645.....7		70924696.....265		70925881.....117		70926707.....37	
70922925.....56		70923651.....7		70924774.....265		70925881.....140		70926768.....171	
70922925.....57A		70923651.....72		70924775.....263		70925889.....105		70926774.....100	
70922990.....163		70923659.....169		70924783.....94		70925919.....101		70926774.....143	
70923016.....1578		70923663.....29		70924815.....237		70925919.....119		70926774.....253	
70923132.....272		70923664.....169		70924828.....9		70925919.....243		70926785.....228	
70923163.....94		70923664.....9		70924842.....135		70925919.....251C		70926786.....135	
70923185.....6		70923737.....2478		70924842.....171A		70925919.....253		70926800.....169	
70923185.....6A		70923738.....24		70924843.....131		70925919.....2538		70926819.....245	
70923192.....2538		70923810.....139		70924843.....243		70925919.....87		70926820.....255	
70923192.....67		70923810.....20		70924843.....251C		70925920.....118		70926822.....237	
70923193.....177		70923810.....7		70924843.....2538		70925920.....149		70926841.....265A	
70923193.....177A		70923813.....262		70924843.....87		70925922.....118		70926842.....265A	
70923193.....30		70923813.....263A		70924843.....94		70925922.....155		70926856.....185	
70923193.....31		70923813.....7		70924854.....263		70925922.....157		70926856.....186	
70923243.....179		70923818.....168		70924855.....260		70925922.....157A		70926856.....250	
70923253.....6		70923818.....177		70924863.....75		70925922.....2478		70926857.....185	
70923254.....6		70923819.....103		70924864.....119		70925928.....263		70926857.....250	
70923259.....6		70923819.....9		70924864.....215		70925928.....2638		70926874.....167A	
70923276.....174		70923821.....103		70924864.....258		70925929.....263		70926917.....498	
70923276.....189A		70923821.....9		70924868.....168		70925929.....2638		70926921.....283	
70923276.....189D		70923822.....169		70924881.....242		70925930.....263		70926975.....123	
70923276.....93		70923823.....103		70924920.....248		70925930.....2638		70926975.....210	
70923325.....76		70923823.....9		70924922.....263		70925931.....263		70927015.....184	
70923379.....169		70923826.....9		70924925.....245		70925931.....2638		70927015.....222	
70923379.....263		70923826.....94		70925031.....155		70925931.....2658		70927015.....222A	
70923379.....7		70923828.....9		70925031.....157		70925932.....263		70927024.....169	
70923438.....121		70923831.....129		70925031.....1578		70925932.....2638		70927044.....30	
70923438.....160		70923831.....133		70925058.....219		70925933.....265A		70927063.....1578	
70923448.....136		70923834.....159		70925069.....263		70925934.....2598		70927063.....240	
70923453.....173		70923834.....9		70925081.....263		70925934.....265A		70927073.....275	
70923454.....175		70923843.....245		70925094.....79		70925937.....259A		70927101.....260	
70923455.....176		70923846.....264		70925192.....262		70925938.....259A		70927102.....45	
70923470.....144		70923847.....176		70925238.....79		70925954.....235		70927104.....45	
70923470.....157		70923901.....140		70925240.....6		70925966.....91		70927139.....49	
70923470.....201		70923905.....9A		70925241.....104		70925983.....131		70927139.....498	
70923470.....243A		70923934.....7		70925241.....9		70925983.....135		70927141.....246	
70923485.....6		70923935.....7		70925280.....119		70925983.....149		70927154.....213	
70923506.....6A		70923935.....75		70925381.....173		70925983.....94		70927155.....201A	
70923509.....242		70923936.....7		70925381.....222		70926011.....66		70927155.....203	
70923540.....170		70923947.....9		70925415.....174		70926049.....167A		70927155.....45	
70923561.....9		70923950.....257		70925415.....181		70926156.....251C		70927157.....187	
70923561.....94		70923950.....7		70925415.....222A		70926156.....2538		70927157.....85	
70923562.....164		70923951.....257		70925442.....123		70926164.....139		70927171.....237	
70923565.....259C		70924044.....123		70925442.....37		70926164.....1738		70927172.....167	
70923565.....2618		70924102.....265A		70925604.....94		70926180.....101		70927173.....119	
70923565.....2638		70924140.....144		70925610.....2618		70926189.....127		70927173.....132	
70923574.....27		70924142.....49A		70925612.....7		70926192.....174		70927173.....93	
70923575.....29		70924142.....7		70925612.....72		70926193.....10		70927173.....97	
70923575.....7		70924146.....257		70925617.....135		70926196.....140		70927174.....2498	
70923576.....172		70924169.....189		70925617.....2478		70926244.....6		70927174.....87	
70923576.....262		70924169.....189D		70925620.....2478		70926246.....6		70927181.....251	
70923576.....263A		70924177.....6A		70925622.....247		70926269.....2598		70927181.....255	
70923578.....244		70924200.....243A		70925625.....86		70926269.....261		70927204.....157	
70923578.....9		70924200.....244		70925638.....261		70926269.....261A		70927204.....1578	
70923579.....257		70924227.....158		70925640.....259C		70926269.....262		70927205.....140	
70923580.....260		70924228.....31		70925640.....260		70926269.....263A		70927212.....154	
70923580.....261A		70924270.....264		70925640.....263C		70926269.....2638		70927218.....163	
70923581.....176		70924274.....244		70925652.....104		70926283.....234		70927218.....240	
70923581.....257		70924277.....144		70925652.....9		70926292.....93		70927218.....247	
70923585.....89		70924292.....201		70925661.....215		70926339.....85		70927218.....37	
70923585.....9		70924408.....6		70925671.....232		70926356.....264		70927219.....2518	
70923587.....9		70924416.....164		70925671.....235		70926566.....179		70927219.....252	
70923590.....11A		70924433.....191		70925737.....283		70926574.....169		70927224.....65	
70923590.....7		70924619.....189E		70925743.....248		70926672.....19		70927225.....127	
70923591.....176		70924619.....289		70925806.....233		70926673.....57		70927225.....2498	

NUMERICAL INDEX 0073126645

PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE
70927225.....267		70927547.....102		70928452.....177		70929156.....208		70930444.....6A	
70927225.....267B		70927547.....153		70928452.....180		70929156.....209		70930445.....6	
70927249.....97		70927555.....95		70928453.....223		70929156.....211		70930445.....6A	
70927264.....219		70927573.....85		70928453.....250		70929156.....213		70930446.....6	
70927265.....219		70927574.....106		70928455.....171A		70929156.....214		70930583.....171A	
70927286.....223		70927574.....98		70928460.....106		70929156.....45		70930594.....214	
70927287.....223		70927583.....31		70928460.....139		70929156.....86		70930594.....269	
70927310.....157		70927583.....87		70928460.....146		70929156.....94		70930594.....274	
70927310.....157B		70927597.....257		70928460.....149		70929188.....140A		70930594.....276	
70927311.....118		70927599.....161		70928460.....154		70929188.....174		70930594.....277	
70927311.....239		70927599.....201A		70928460.....156		70929247.....156		70930594.....280	
70927312.....117		70927599.....210		70928460.....157A		70929256.....13A		70930594.....281	
70927312.....118		70927599.....86		70928460.....167		70929265.....169		70930594.....283	
70927313.....154		70927612.....36		70928460.....173		70929276.....174		70930594.....289	
70927314.....222		70927612.....45		70928460.....243		70929292.....189		70930594.....290	
70927322.....49		70927652.....132		70928460.....246		70929292.....189D		70930594.....296	
70927335.....245		70927652.....133		70928460.....247		70929292.....94		70930609.....61	
70927336.....245		70927685.....265		70928460.....37		70929379.....196		70930645.....6A	
70927339.....65		70927685.....265B		70928460.....45		70929379.....197		70930724.....101	
70927339.....69		70927691.....248		70928460.....55		70929379.....197A		70930724.....157	
70927353.....193		70927708.....83		70928460.....57		70929417.....58		70930724.....157B	
70927361.....173B		70927771.....62		70928460.....9A		70929420.....65		70930724.....167	
70927361.....197A		70927801.....75		70928506.....142		70929450.....133		70930724.....171	
70927373.....189		70927801.....76		70928506.....153		70929457.....137		70930725.....157A	
70927373.....189D		70927803.....76		70928532.....220		70929458.....13A		70930732.....170	
70927373.....94		70927879.....222A		70928575.....274		70929458.....171		70930735.....206	
70927381.....139		70927999.....146		70928798.....257		70929458.....201A		70930796.....118	
70927381.....143		70928043.....202		70928835.....6		70929458.....45		70930796.....49A	
70927381.....144		70928043.....236		70928839.....216		70929627.....171		70930797.....6A	
70927381.....146		70928052.....193		70928844.....201		70929662.....56		70930804.....137	
70927381.....239		70928052.....225		70928844.....215		70929662.....57A		70930804.....45	
70927382.....140		70928059.....235		70928867.....79		70929665.....281		70930805.....27	
70927382.....161		70928060.....242		70928873.....196		70929792.....95		70930805.....28	
70927382.....75		70928063.....174		70928873.....197		70929808.....69		70930840.....133	
70927384.....201		70928063.....180		70928873.....197A		70929873.....174		70930845.....161	
70927400.....140		70928063.....181		70928873.....55		70929879.....6		70930850.....197	
70927401.....211		70928138.....127		70928882.....82		70929881.....106		70930850.....197A	
70927401.....225		70928138.....211		70928888.....156		70929881.....107		70930850.....82	
70927401.....270		70928138.....215		70928905.....7		70929881.....108		70930850.....82A	
70927401.....273		70928166.....173		70928914.....236		70929881.....109		70930852.....163	
70927401.....274		70928166.....173A		70928927.....247B		70929881.....9		70930860.....202	
70927401.....294		70928169.....173		70929032.....167		70929881.....9A		70930865.....184	
70927401.....296		70928176.....201A		70929060.....56		70929883.....293		70930892.....213	
70927401.....57		70928176.....203		70929074.....187		70930207.....91		70930893.....148	
70927424.....101		70928176.....211		70929074.....290		70930238.....247A		70930894.....100	
70927446.....94		70928178.....142		70929074.....82		70930288.....158		70930909.....177	
70927453.....142		70928178.....145		70929074.....97		70930307.....176		70930909.....177A	
70927453.....163		70928178.....197		70929075.....97		70930349.....41		70930912.....140	
70927453.....170		70928178.....214		70929079.....153		70930358.....11A		70930916.....245	
70927453.....249		70928178.....65		70929086.....10		70930364.....144		70930970.....154	
70927453.....249A		70928182.....197		70929106.....242		70930364.....167		70931061.....189	
70927455.....44		70928188.....127		70929154.....201		70930364.....236		70931124.....6A	
70927473.....91		70928188.....157		70929154.....243		70930370.....157		70931158.....6	
70927475.....94		70928188.....157B		70929154.....247		70930370.....157B		70931158.....6A	
70927483.....140		70928188.....243A		70929154.....251C		70930370.....201		70931159.....6	
70927484.....148		70928188.....83		70929154.....253		70930370.....238		70931185.....255	
70927484.....203		70928188.....84		70929154.....253B		70930370.....240		70931195.....51	
70927484.....292		70928190.....247A		70929154.....87		70930370.....242		70931239.....72	
70927485.....82		70928211.....32		70929156.....125A		70930370.....243A		70931244.....41	
70927491.....194		70928211.....33		70929156.....135		70930370.....247		70931283.....189D	
70927491.....197		70928211.....33A		70929156.....140		70930370.....247A		70931313.....87	
70927491.....197A		70928212.....30		70929156.....154		70930370.....247B		70931458.....214	
70927529.....167		70928214.....37		70929156.....157		70930370.....251B		70931463.....89	
70927536.....131		70928228.....276		70929156.....157B		70930370.....252		70931646.....205A	
70927536.....240		70928309.....158		70929156.....161		70930370.....253B		70931646.....269	
70927536.....243		70928310.....283		70929156.....177		70930370.....29		70931646.....276	
70927541.....193		70928370.....184		70929156.....177A		70930370.....47		70931646.....294	
70927541.....213		70928370.....228		70929156.....201A		70930370.....65		70931646.....295	
70927541.....274		70928385.....149		70929156.....203		70930443.....6A		70931646.....296	
70927541.....68		70928452.....175		70929156.....207		70930444.....6		70931652.....223	

NUMERICAL INDEX 0073126645

PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE
70931652.....250		70933470.....171		73035074.....96		73062214.....245		73107134.....272	
70931695.....135		70933471.....125		73035090.....94		73062228.....237		73107143.....273	
70931695.....9		70933471.....125A		73037597.....111		73063089.....245		73107144.....273	
70931697.....277		70933471.....247B		73037597.....112		73063368.....245		73107145.....273	
70931697.....286		70933471.....45		73037597.....114		73063371.....255		73107146.....273	
70931698.....271		70933473.....118		73037598.....111		73063372.....237		73107147.....273	
70931698.....276		70933473.....157A		73037598.....112		73064314.....255		73107149.....272	
70931698.....286		70933474.....125		73037598.....114		73064776.....220		73107150.....272	
70931698.....297		70933474.....131		73037656.....111		73065986.....244		73107156.....269	
70931699.....274		70933474.....149		73037656.....112		73066429.....2018		73107156.....273	
70931700.....276		70933474.....153		73037656.....114		73073212.....245		73107156.....275	
70931700.....277		70933475.....101		73037674.....110		73073214.....237		73107157.....283	
70931701.....283		70933475.....170		73037674.....113		73073214.....255		73107159.....270	
70931702.....280		70933476.....101		73037674.....115		73100012.....218		73107181.....270	
70931702.....295		70933476.....125		73037676.....9		73100013.....218		73107182.....270	
70931702.....296		70933476.....125A		73037684.....9		73100014.....219		73107183.....274	
70931714.....119		70933476.....131		73037730.....96		73100014.....47		73107188.....270	
70931714.....243		70933476.....135		73037744.....129		73100017.....218		73107189.....270	
70931714.....246		70933476.....149		73041475.....96		73100021.....219		73107190.....279	
70931724.....96		70933476.....150		73042943.....66		73100021.....47		73107191.....279	
70931725.....96		70933476.....170		73043771.....89		73100023.....218		73107193.....283	
70931753.....241		70933476.....171		73043929.....89		73100024.....218		73107195.....281	
70931753.....242		70933476.....247B		73050797.....255		73100025.....218		73107196.....283	
70931753.....246		70933477.....171		73052086.....68		73100026.....218		73107197.....269	
70931753.....2518		70933478.....171		73052879.....245		73100027.....218		73107205.....275	
70931753.....252		70933479.....101		73052942.....237		73100028.....218		73107206.....275	
70931787.....206		70933479.....171		73052942.....255		73100029.....218		73107209.....274	
70931844.....296		70933481.....167		73052959.....255		73100030.....218		73107213.....276	
70931857.....238		70933481.....171		73052992.....255		73100082.....68		73107214.....281	
70931857.....240		70933482.....163		73052994.....255		73107038.....289		73107215.....281	
70931857.....246		70933490.....163		73052996.....245		73107039.....289		73107217.....131	
70931857.....247A		70933491.....149		73052998.....245		73107040.....289		73107218.....137	
70931857.....2518		70933491.....259B		73053715.....237		73107041.....289		73107238.....277	
70931857.....253		70933491.....263B		73053716.....237		73107042.....214		73107239.....277	
70931857.....253B		70933492.....100		73053886.....245		73107043.....289		73107240.....277	
70931858.....119		70933493.....100		73053977.....245		73107045.....214		73107241.....277	
70931922.....45		70933494.....87		73054073.....237		73107048.....290		73107253.....279	
70932508.....297		70933496.....140		73054073.....255		73107050.....289		73107254.....279	
70932509.....293		70933497.....117		73054108.....237		73107051.....290		73107255.....275	
70932509.....295		70933497.....155		73054108.....255		73107059.....2		73107256.....275	
70932510.....293		70933498.....247B		73054486.....245		73107060.....290		73107257.....285	
70932510.....295		70933499.....117		73054488.....237		73107060.....297		73107260.....274	
70932613.....2018		70933500.....157		73054488.....255		73107061.....273		73107262.....269	
70932799.....13		70933500.....157B		73055463.....237		73107061.....290		73107263.....280	
70932860.....41		70933501.....131		73055485.....245		73107070.....276		73107266.....269	
70932932.....83A		70933502.....125		73055485.....9A		73107070.....290		73107267.....277	
70933330.....10		70933503.....101		73055486.....255		73107071.....279		73107268.....269	
70933359.....167		70933504.....135		73055486.....9A		73107073.....110		73107268.....273	
70933462.....155		70933505.....131		73056933.....237		73107075.....289		73107268.....275	
70933462.....247B		70933506.....101		73056933.....9A		73107076.....289		73107269.....280	
70933463.....155		70933506.....131		73057408.....237		73107081.....289		73107270.....279	
70933463.....157		70933507.....163		73057506.....128		73107100.....283		73107272.....276	
70933463.....247B		70933578.....267		73058692.....255		73107107.....286		73107278.....276	
70933464.....247B		70933578.....267B		73058925.....245		73107108.....276		73107280.....276	
70933465.....246		70933618.....149		73059240.....255		73107108.....286		73107282.....280	
70933466.....101		70933687.....258		73059271.....237		73107109.....283		73107282.....294	
70933466.....102		70933715.....157B		73059335.....245		73107110.....277		73107282.....297	
70933466.....125		70933796.....157A		73059354.....237		73107110.....286		73107283.....274	
70933466.....125A		70933855.....158		73059354.....255		73107111.....286		73107285.....276	
70933466.....131		70933912.....261A		73059680.....245		73107112.....277		73107300.....277	
70933466.....149		71126490.....158		73059884.....203		73107112.....286		73107301.....295	
70933466.....153		71178407.....158		73059893.....274		73107113.....286		73107302.....277	
70933466.....155		71178408.....158		73059930.....274		73107114.....276		73107303.....277	
70933466.....163		73007389.....93		73061046.....274		73107114.....286		73107311.....269	
70933466.....247B		73007474.....76		73061081.....237		73107121.....276		73107312.....279	
70933469.....125		73007501.....89		73061193.....128		73107122.....276		73107313.....279	
70933469.....125A		73008156.....255		73061423.....244		73107129.....277		73107314.....279	
70933470.....101		73015050.....136		73061424.....244		73107130.....277		73107315.....279	
70933470.....149		73034905.....95		73061762.....237		73107131.....276		73107316.....279	
70933470.....170		73035073.....94		73062199.....255		73107133.....272		73107317.....284	

NUMERICAL INDEX 0073126645

PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE
73107347.....279		73107661.....297		73108402.....294		73109602.....2638		73111291.....82A	
73107348.....279		73107662.....292		73108403.....294		73109640.....117		73111300.....269	
73107349.....279		73107663.....297		73108404.....294		73109651.....144		73111341.....1718	
73107350.....279		73107665.....297		73108405.....293		73109672.....67		73111372.....82A	
73107351.....279		73107666.....296		73108406.....297		73109705.....2018		73111427.....2518	
73107352.....279		73107667.....297		73108408.....292		73109722.....2018		73111427.....6A	
73107357.....135		73107680.....195		73108409.....293		73109723.....2018		73111457.....289	
73107358.....135		73107681.....195		73108410.....293		73109735.....2		73111469.....198	
73107359.....285		73107685.....9		73108413.....292		73109740.....222A		73111525.....167	
73107360.....285		73107689.....189D		73108442.....97		73109807.....119		73111527.....127	
73107361.....269		73107691.....189D		73108447.....297		73109808.....119		73111631.....80	
73107362.....269		73107692.....112		73108455.....211		73109917.....251A		73111632.....81	
73107363.....222A		73107693.....114		73108467.....295		73109998.....259		73111633.....81	
73107364.....222A		73107712.....189E		73108564.....108		73109998.....260		73111687.....139	
73107365.....222		73107726.....119		73108564.....109		73110068.....2		73111690.....248	
73107366.....222		73107750.....110		73108564.....9A		73110103.....57		73111750.....97	
73107368.....259		73107757.....94		73108722.....199		73110149.....82A		73111761.....97	
73107368.....260		73107758.....96		73108728.....199		73110150.....80		73111855.....272	
73107378.....273		73107759.....96		73108744.....201		73110151.....81		73111856.....272	
73107379.....284		73107777.....177		73108746.....1738		73110161.....91		73111899.....29	
73107380.....269		73107822.....112		73108761.....1738		73110162.....89		73111899.....6A	
73107381.....135		73107822.....114		73108774.....199		73110163.....94		73111948.....145	
73107382.....135		73107825.....261		73108830.....190		73110164.....89		73111949.....145	
73107389.....270		73107839.....211		73108850.....251C		73110165.....94		73112401.....239	
73107390.....269		73107846.....267		73108850.....2538		73110197.....194		73112403.....239	
73107391.....284		73107846.....2678		73108929.....199		73110246.....81		73112560.....193	
73107393.....290		73107857.....137		73108938.....199		73110247.....81		73112607.....85	
73107408.....285		73107879.....198		73108944.....158		73110248.....81		73112617.....107	
73107409.....285		73107880.....198		73108945.....158		73110249.....81		73112617.....108	
73107438.....269		73107881.....199		73108947.....246		73110317.....140		73112617.....109	
73107439.....269		73107882.....199		73108951.....2538		73110369.....245		73112617.....9A	
73107445.....85		73107883.....199		73108952.....2518		73110376.....37		73112618.....106	
73107446.....283		73107884.....199		73108952.....2538		73110376.....6A		73112618.....107	
73107447.....270		73107885.....199		73108953.....251C		73110394.....274		73112618.....9A	
73107448.....281		73107888.....199		73108953.....2538		73110396.....270		73112619.....106	
73107449.....281		73107889.....199		73108954.....249		73110396.....274		73112619.....107	
73107450.....283		73107890.....199		73108956.....2538		73110397.....145		73112619.....9A	
73107460.....202		73107891.....199		73108958.....251C		73110399.....145		73112620.....106	
73107475.....205A		73107892.....199		73108958.....2538		73110401.....271		73112620.....107	
73107476.....205A		73107893.....199		73108987.....251C		73110401.....274		73112620.....108	
73107477.....269		73107894.....199		73108987.....2538		73110432.....199A		73112620.....109	
73107479.....206		73107895.....199		73108992.....182		73110489.....189D		73112620.....9A	
73107489.....290		73107897.....199		73109010.....125		73110493.....140		73112621.....108	
73107490.....290		73107904.....133		73109031.....45		73110494.....140		73112621.....109	
73107495.....271		73107905.....133		73109031.....6A		73110498.....177A		73112621.....9A	
73107504.....274		73107926.....137		73109067.....120A		73110600.....259		73112622.....108	
73107528.....101		73107978.....274		73109068.....120A		73110600.....259A		73112622.....109	
73107558.....273		73107979.....274		73109069.....120A		73110609.....37		73112622.....9A	
73107581.....69		73107980.....56		73109091.....110		73110615.....273		73112623.....9A	
73107583.....137		73108003.....249		73109091.....112		73110616.....273		73112624.....106	
73107592.....164		73108026.....292		73109091.....115		73110655.....273		73112624.....9A	
73107623.....277		73108027.....293		73109131.....198		73110660.....83		73112625.....106	
73107627.....293		73108030.....293		73109135.....199		73110678.....85		73112625.....9A	
73107628.....296		73108031.....293		73109136.....199		73110705.....104		73112626.....107	
73107631.....294		73108049.....183		73109137.....199		73110821.....274		73112626.....9A	
73107633.....294		73108074.....199		73109138.....199		73110833.....44		73112627.....103	
73107635.....277		73108116.....242		73109139.....199		73110836.....100		73112630.....106	
73107636.....295		73108120.....44		73109141.....198		73110979.....91		73112630.....108	
73107637.....296		73108121.....44		73109142.....198		73110991.....1718		73112630.....109	
73107640.....293		73108128.....292		73109143.....198		73110992.....1718		73112630.....9A	
73107640.....294		73108233.....2538		73109144.....198		73110993.....1718		73112703.....84	
73107640.....296		73108258.....164		73109145.....198		73110997.....171A		73112723.....140A	
73107640.....297		73108259.....164		73109147.....199		73110998.....1718		73112724.....140A	
73107642.....297		73108260.....164		73109343.....191		73111004.....171A		73112744.....85	
73107643.....257		73108263.....54		73109361.....165		73111005.....171A		73112763.....140A	
73107645.....292		73108272.....1738		73109377.....55		73111174.....145		73112764.....140A	
73107651.....297		73108384.....190		73109414.....257		73111176.....145		73112770.....205	
73107652.....296		73108385.....129		73109599.....263		73111209.....173A		73112805.....140A	
73107659.....293		73108386.....129		73109599.....2638		73111246.....139		73112806.....140A	
73107660.....296		73108400.....297		73109602.....263		73111279.....257		73112812.....81	

NUMERICAL INDEX 0073126645

PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE
73112817.....140A		73113283.....165		73115643.....284		73117379.....6A		73119010.....228	
73112818.....140A		73113286.....165A		73115656.....67		73117380.....55		73119011.....228	
73112849.....248		73113287.....197A		73115670.....283		73117381.....57		73119012.....173A	
73112879.....187		73113288.....197A		73115671.....283		73117382.....86		73119013.....173A	
73112897.....205A		73113289.....247B		73115957.....259A		73117383.....274		73119221.....239	
73112899.....205A		73113289.....6A		73115957.....265A		73117505.....167A		73119222.....239	
73112900.....208		73113290.....247A		73116012.....144		73117534.....143		73119223.....239	
73112902.....205A		73113290.....6A		73116296.....104		73117780.....107		73119226.....239	
73112934.....259B		73113305.....246		73116311.....141		73117781.....109		73119227.....239	
73112934.....261B		73113306.....247A		73116320.....110		73117782.....108		73119394.....106	
73112934.....263C		73113307.....247B		73116320.....113		73118257.....102		73119394.....107	
73112976.....267B		73113307.....6A		73116320.....115		73118261.....57A		73119395.....108	
73112983.....205		73113319.....165A		73116372.....228		73118287.....103		73119413.....276	
73113000.....247B		73113424.....247A		73116373.....228		73118379.....189		73119464.....158	
73113001.....247B		73113425.....247A		73116394.....233		73118379.....189D		73121554.....116	
73113002.....247B		73113427.....248C		73116394.....235		73118382.....189		73121589.....37	
73113003.....247B		73113428.....248A		73116456.....245		73118382.....189D		73121589.....6A	
73113003.....6A		73113429.....248C		73116457.....245		73118452.....265A		73121590.....37	
73113006.....247A		73113430.....248B		73116481.....56		73118453.....265B		73121608.....293	
73113007.....247B		73113431.....248B		73116501.....245		73118708.....297		73121609.....293	
73113033.....259A		73113432.....248B		73116502.....245		73118731.....265A		73121989.....201	
73113034.....259A		73113451.....232		73116504.....245		73118732.....265A		73121990.....201	
73113035.....263B		73113452.....232		73116603.....244		73118738.....263B		73122543.....110	
73113036.....259A		73113453.....247A		73116604.....244		73118762.....259C		73122543.....113	
73113037.....259A		73113454.....247A		73116609.....244		73118762.....263C		73122543.....115	
73113037.....261A		73113455.....247A		73116610.....244		73118763.....259C		73122544.....110	
73113038.....259A		73113527.....190		73116613.....245		73118763.....261B		73122544.....113	
73113038.....263A		73113689.....261B		73116614.....245		73118763.....263C		73122544.....115	
73113039.....259A		73113709.....263B		73116699.....248B		73118764.....259C		73122553.....83	
73113039.....263A		73113740.....191		73116929.....191A		73118764.....263B		73122739.....201B	
73113040.....259A		73113741.....191		73116930.....191A		73118765.....259C		74003510.....52B	
73113040.....265A		73113745.....191		73116931.....191A		73118765.....263B		74006998.....41	
73113041.....259A		73113804.....69		73116932.....191A		73118767.....259C		74020724.....52B	
73113043.....261A		73113916.....100		73116933.....191A		73118767.....263B		74020725.....52B	
73113096.....249A		73114058.....198		73116934.....191A		73118768.....259C		74023052.....11A	
73113098.....249A		73114227.....110		73116935.....191A		73118768.....263B		74023721.....41	
73113100.....249B		73114227.....113		73116936.....191A		73118771.....259C		74024141.....13	
73113110.....82A		73114227.....115		73116937.....191A		73118771.....261B		74024482.....68	
73113123.....197		73114441.....265A		73116938.....191A		73118771.....263C		74025101.....13	
73113125.....197		73114483.....83		73116939.....191A		73118772.....259C		74025781.....7	
73113126.....197A		73114606.....267B		73117148.....191A		73118772.....263B		74026614.....32	
73113127.....197A		73114740.....169		73117185.....154		73118773.....262		74026614.....33	
73113129.....244		73114791.....91		73117186.....157B		73118773.....263A		74028077.....32	
73113130.....244		73114793.....168		73117186.....6A		73118779.....261A		74029499.....19B	
73113131.....197A		73114794.....168		73117187.....157A		73118779.....263		74029746.....7	
73113132.....197A		73114823.....101		73117187.....6A		73118779.....263B		74036340.....11	
73113133.....243A		73114848.....169		73117188.....157B		73118780.....261A		74049009.....63	
73113134.....243A		73115057.....207		73117188.....6A		73118781.....261A		74053336.....62	
73113135.....243A		73115058.....207		73117190.....154		73118806.....261A		74053409.....35	
73113136.....243A		73115065.....39		73117191.....157B		73118807.....261A		74053410.....35	
73113137.....197A		73115069.....143		73117192.....157B		73118809.....261B		74055187.....62	
73113138.....197A		73115074.....142		73117193.....154		73118810.....261B		74055193.....62	
73113139.....197A		73115075.....144		73117195.....157A		73118811.....261B		74055194.....62	
73113141.....196		73115264.....259B		73117197.....154		73118812.....261A		74055195.....62	
73113148.....196		73115264.....263B		73117198.....157B		73118813.....261B		74055196.....62	
73113149.....196		73115265.....259B		73117208.....259C		73118814.....261A		74055201.....62	
73113154.....197		73115265.....263B		73117230.....10		73118819.....263B		74055203.....63	
73113158.....189D		73115265.....265B		73117237.....216		73118826.....263B		74055206.....63	
73113159.....87		73115266.....259B		73117257.....144		73118827.....263B		74055971.....35	
73113161.....197		73115272.....259B		73117280.....57A		73118828.....263B		74055981.....63	
73113162.....168		73115272.....259C		73117281.....56		73118829.....263B		74056026.....63	
73113163.....168		73115272.....263B		73117282.....57A		73118865.....168		74056494.....62	
73113171.....197A		73115305.....169		73117283.....56		73118902.....169		74059018.....63	
73113172.....197A		73115348.....144		73117321.....173A		73118995.....239		74059262.....39	
73113248.....81		73115349.....145		73117339.....142		73119000.....239		74059264.....39	
73113256.....80		73115354.....101		73117359.....69		73119001.....238		74059265.....39	
73113261.....81		73115402.....251A		73117360.....69		73119001.....6A		74059266.....39	
73113265.....247B		73115490.....247B		73117378.....44		73119004.....229		74059343.....39	
73113265.....6A		73115490.....6A		73117378.....6A		73119006.....229		74059744.....62	
73113266.....195		73115535.....47		73117379.....45		73119007.....228		74059747.....63	

NUMERICAL INDEX 0073126645

PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE
74059748.....62		74254971.....160		74339021.....35		74377120.....8		74388185.....72	
74059810.....40		74255017.....52		74339532.....7		74377267.....51		74388428.....25	
74059811.....40		74255020.....52		74339535.....61		74377267.....52A		74388465.....73	
74059812.....40		74255060.....49A		74348691.....28		74377278.....27		74388809.....35	
74059813.....39		74255110.....75		74354492.....13		74377561.....25		74388810.....35	
74059814.....39		74255179.....51		74354537.....71		74378031.....53		74388848.....35	
74060154.....52		74255179.....52A		74354568.....30		74378031.....7		74389036.....71	
74060643.....49		74255186.....13		74355843.....49		74378033.....53		74389052.....14	
74060645.....49		74255286.....78		74357289.....11A		74378112.....71		74389058.....13	
74060646.....49		74255286.....79		74359310.....30		74378112.....8		74389291.....8	
74060691.....39		74255287.....79		74359656.....35		74379070.....8		74389292.....13	
74060755.....40		74255338.....76		74359776.....43		74379198.....13		74389294.....19	
74060984.....62		74255351.....22		74359776.....43A		74379268.....35		74389397.....19	
74061040.....49		74255361.....22		74361551.....7		74379269.....35		74389593.....27	
74061041.....49		74255363.....12		74361740.....7		74379572.....51		74389599.....27	
74061042.....49		74255490.....19		74361740.....75		74379572.....52A		74389635.....72	
74061210.....62		74255491.....12		74361829.....28		74379723.....61		74389635.....8	
74061212.....62		74255491.....19		74361829.....43		74380652.....53		74389676.....73	
74061213.....62		74255511.....7		74362338.....12		74385317.....8		74389676.....8	
74061214.....62		74255513.....7		74364166.....27		74385320.....8		74389678.....73	
74061217.....62		74255577.....19		74364404.....27		74385485.....13		74389678.....8	
74061218.....62		74255612.....79		74365627.....27		74386137.....7		74389685.....19	
74061528.....13		74255631.....35		74367090.....27		74386137.....71		74389782.....8	
74061528.....9A		74255631.....7		74367090.....7		74386223.....8		74389943.....13	
74061637.....49		74255631.....73		74368204.....13		74386262.....13		74389961.....19	
74061659.....62		74255665.....49		74368205.....13		74386359.....15		74389961.....7	
74061785.....39		74255665.....7		74368206.....13		74386360.....15		74390006.....53	
74061786.....40		74255772.....79		74369002.....13		74386405.....25		74390093.....51	
74061788.....39		74255781.....7		74369746.....27		74386406.....25		74390093.....52A	
74061789.....40		74255781.....73		74371027.....11		74386413.....19		74390094.....51	
74061825.....15		74255839.....75		74371027.....11A		74386453.....15		74390094.....52A	
74061826.....15		74255895.....58		74371027.....8		74386454.....15		74390095.....51	
74061827.....15		74255898.....20		74371118.....27		74386455.....15		74390095.....52A	
74061828.....15		74255898.....7		74371160.....72		74386456.....15		74390117.....25	
74061967.....17		74255904.....20		74371160.....8		74386457.....15		74390254.....24	
74061967.....17A		74255904.....7		74371289.....8		74386458.....15		74390270.....24	
74062035.....17		74255912.....21		74371345.....8		74386495.....72		74390294.....25	
74062035.....17A		74255912.....7		74371444.....11		74386495.....8		74390295.....25	
74062035.....9A		74255914.....58		74371444.....11A		74386601.....51		74390296.....25	
74062039.....15		74255943.....17		74371445.....11		74386601.....52A		74390297.....25	
74062040.....15		74255943.....17A		74371445.....11B		74386602.....51		74390432.....20	
74062041.....15		74255956.....51		74371742.....156		74386602.....52A		74390432.....8	
74062042.....15		74255956.....52A		74371742.....8		74386617.....51		74390547.....19	
74062043.....15		74255956.....52B		74372421.....76		74386617.....52B		74390548.....19	
74062107.....53		74255956.....7		74372864.....10		74386628.....19		74390583.....73	
74062108.....17A		74255956.....73		74373613.....35		74386651.....20		74390589.....73	
74062109.....17A		74255977.....61		74373716.....20		74386653.....19		74390590.....73	
74062110.....17A		74255995.....58		74375682.....76		74386711.....27		74390592.....73	
74062111.....17A		74256022.....76		74375691.....76		74386776.....24		74390593.....39	
74062112.....17A		74303038.....24		74376277.....24		74386790.....19		74390594.....73	
74062298.....9A		74303694.....21		74376398.....75		74386826.....27		74390595.....73	
74062468.....118		74310257.....13		74376398.....8		74386856.....8		74390655.....75	
74113897.....7		74310257.....61		74376497.....19		74386879.....27		74390766.....13	
74115287.....51		74310257.....7		74376520.....7		74386901.....19		74390767.....13	
74115287.....52A		74310257.....82		74376520.....71		74386924.....76		74390773.....61	
74119937.....11		74317554.....71		74376538.....24		74387007.....61		74390837.....11	
74119937.....13		74320597.....30		74376590.....27		74387050.....76		74390837.....11A	
74119937.....7		74320608.....27		74376591.....27		74387051.....76		74390992.....75	
74251601.....27		74335647.....61		74376596.....27		74387227.....71		74390995.....75	
74253190.....25		74335649.....61		74376598.....27		74387385.....51		74391003.....75	
74253286.....49		74335669.....28		74376603.....27		74387385.....52A		74391019.....27	
74253555.....40		74336491.....10		74376603.....8		74387453.....73		74391022.....16	
74254663.....110		74336558.....61		74376604.....27		74387525.....8		74391022.....16A	
74254663.....113		74336646.....25		74376609.....11		74387605.....76		74391131.....58	
74254663.....115		74336897.....20		74376609.....8		74387609.....76		74391154.....75	
74254742.....27		74336897.....7		74376627.....28		74387697.....58		74391240.....53	
74254873.....19		74337019.....52		74376749.....13		74387697.....59		74391306.....19	
74254873.....41		74337022.....52		74376749.....35		74387697.....7		74391307.....12	
74254873.....7		74337022.....52B		74376749.....8		74387726.....19		74391307.....19	
74254971.....121		74337023.....52		74377120.....13		74388148.....52		74391351.....75	

NUMERICAL INDEX 0073126645

PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE	PART NO.	PAGE
74391403.....27		74393373.....13		74394959.....70		74395906.....14		74507358.....51	
74391407.....27		74393397.....12		74394976.....51		74395907.....14		74507358.....528	
74391408.....27		74393399.....24		74394990.....61		74395908.....14		74507359.....52	
74391411.....27		74393426.....13		74395002.....72		74395909.....14		74507359.....528	
74391412.....27		74393427.....78		74395011.....59		74395910.....14		74507360.....528	
74391419.....27		74393435.....16		74395012.....59		74395911.....14		74507414.....528	
74391441.....27		74393436.....16		74395024.....30		74395912.....14		74507415.....51	
74391475.....27		74393443.....19		74395034.....43		74395913.....14		74507415.....52	
74391554.....27		74393504.....79		74395035.....41		74395914.....14		74507415.....528	
74391593.....75		74393505.....79		74395045.....13		74395915.....14		74507416.....528	
74391666.....21		74393548.....59		74395046.....13		74395916.....14		74511243.....53	
74391707.....58		74393560.....11		74395049.....20		74395917.....14		74513810.....75	
74391707.....7		74393592.....58		74395053.....30		74395918.....14		74516821.....24	
74391845.....24		74393599.....30		74395060.....31		74395919.....14		74516821.....25	
74391849.....24		74393600.....31		74395061.....31		74395935.....52		74517266.....53	
74391869.....24		74393601.....31		74395062.....31		74395936.....52		74630114.....17A	
74391870.....24		74393708.....72		74395085.....25		74395963.....21		74630804.....85	
74391885.....28		74393778.....58		74395087.....32		74395968.....21		74660358.....13	
74391933.....75		74393853.....13		74395087.....33		74395976.....498		74660423.....8	
74391934.....75		74393854.....13		74395087.....33A		74395997.....118		74660492.....11	
74391938.....75		74393989.....19		74395089.....32		74395998.....118		74660492.....8	
74391949.....75		74393989.....7		74395092.....32		74395999.....11A		74660677.....76	
74391950.....75		74394009.....49		74395099.....12		74396000.....118		74662263.....72	
74391955.....75		74394014.....73		74395101.....12		74396000.....8		74665306.....13	
74391996.....61		74394036.....20		74395103.....12		74396002.....14		74752002.....75	
74392024.....17		74394172.....17		74395108.....12		74396005.....49A		74905870.....158	
74392051.....19		74394177.....51		74395109.....13		74396006.....7		74980021.....136	
74392052.....19		74394178.....43A		74395185.....14		74396006.....8		75000528.....183	
74392053.....19		74394188.....73		74395193.....61		74396020.....51		79017821.....114	
74392054.....19		74394212.....17		74395227.....528		74396020.....52A		79017823.....110	
74392057.....53		74394221.....17		74395229.....498		74396037.....33		79017823.....113	
74392068.....19		74394222.....17		74395235.....29		74396037.....33A		79017823.....115	
74392121.....53		74394223.....17		74395238.....78		74396039.....33		79019030.....111	
74392183.....24		74394224.....17		74395419.....41		74396039.....33A		79019030.....112	
74392384.....51		74394301.....49		74395425.....7		74396041.....33			
74392385.....51		74394302.....49		74395425.....70		74396042.....33A			
74392386.....51		74394306.....49		74395433.....20		74396043.....33A			
74392387.....51		74394318.....49		74395447.....73		74396044.....33A			
74392388.....51		74394335.....42		74395453.....118		74396046.....7			
74392389.....51		74394335.....43A		74395454.....118		74396048.....17A			
74392402.....49		74394366.....62		74395456.....14		74396049.....17A			
74392439.....49		74394405.....41		74395460.....49A		74396050.....17A			
74392788.....51		74394407.....41		74395463.....33A		74396051.....17A			
74392788.....528		74394445.....19		74395487.....19		74396052.....17A			
74392789.....51		74394588.....10		74395487.....7		74396053.....51			
74392789.....528		74394615.....71		74395510.....11A		74396053.....52A			
74393077.....42		74394627.....71		74395537.....41		74396054.....53			
74393077.....43A		74394662.....24		74395541.....52A		74396059.....53			
74393090.....43		74394666.....24		74395542.....52A		74396063.....43A			
74393090.....43A		74394667.....33A		74395543.....52A		74396083.....528			
74393280.....57A		74394672.....11A		74395545.....52A		74396085.....17			
74393281.....56		74394673.....118		74395546.....52A		74396085.....17A			
74393325.....76		74394673.....8		74395549.....43A		74396091.....12			
74393341.....31		74394674.....49A		74395554.....16		74396115.....71			
74393346.....32		74394675.....11A		743955610.....35		74396118.....118			
74393346.....33		74394678.....8		743955640.....61		74396168.....118			
74393346.....33A		74394747.....16A		743955690.....528		74396173.....14			
74393349.....32		74394747.....17		74395709.....7		74396283.....49A			
74393349.....33		74394747.....17A		74395709.....71		74396316.....528			
74393349.....33A		74394751.....78		74395713.....7		74396317.....528			
74393351.....32		74394755.....43		74395767.....16		74396318.....35			
74393351.....33		74394756.....43		74395767.....16A		74396349.....76			
74393354.....32		74394764.....22		74395770.....20		74396367.....17			
74393354.....33		74394767.....29		74395803.....29		74396367.....17A			
74393355.....32		74394922.....72		74395852.....11		74396371.....76			
74393355.....33		74394928.....19		74395855.....52		74396372.....76			
74393359.....30		74394949.....73		74395855.....528		74396448.....16A			
74393359.....8		74394952.....13		74395878.....528		74396479.....52A			
74393362.....30		74394953.....73		74395889.....35		74398456.....16A			
74393364.....30		74394957.....31		74395905.....14		74500230.....13			