

GEHL

Form No.

913364

Revision B
March
2014

RT250

Compact Track Loader

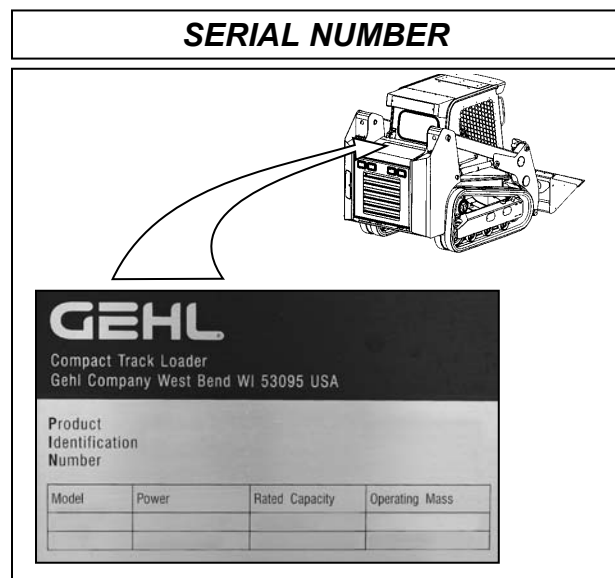


Parts Manual

When ordering service parts, specify the correct part number, full description, quantity required, the machine model number, and serial number. For your safety, and continued proper operation, use only genuine Gehl service parts.

“Right” and “Left” are determined from a position sitting on the seat inside the cab and facing forward.

Gehl Company reserves the right to make changes or improvements in the design or construction of any part of the machine without incurring the obligation to install such changes on previously delivered machines.



Serial number breaks are indicated as follows:

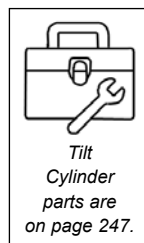
- (SN 999 and before) - indicates serial numbers up to and including 999.
- (SN 1000 - 2000) - indicates serial numbers from 1000 to 2000.
- (SN 999 and up) - indicates serial numbers including 999 and after.

NOTE: When ordering parts, be sure to identify the last five digits of the machine's serial number.

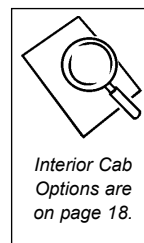
HYDRAULIC AND ELECTRICAL SCHEMATICS

Hydraulic and electrical schematics can be found in the Operator's and Service Manuals for this machine; please refer to the information at the right for the correct manual.

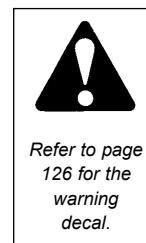
The following icons shown on various pages provide important information or identify where additional information can be found.



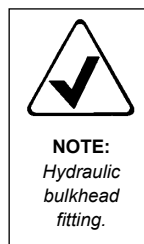
Identifies where additional pages for component parts, seals, and kits can be found.



Identifies where additional information can be found.



Alerts and directs user to investigate more information.



Identifies missing, hidden parts, or adds informational comments.



Represents a port designation on hydraulic components (e.g., valves, cylinders, etc.)

SOME ABBREVIATIONS LISTED IN THIS MANUAL

ASSY	Assembly
AR	As Required
CFPD	Contact Factory Parts Department
EU	European Union (standards)
HYD	Hydraulic
IN	Inch(es)
INC/INCL	Included or includes
LN	Lock Nut
MM/mm	Millimeter
NA	Not Applicable or Not Available
NPT	National Pipe Thread
NSS	Not Sold Separately
ORB	O-Ring Boss
REF	Reference
SN	Serial Number
W/	With
W/O	Without

RELATED MANUALS

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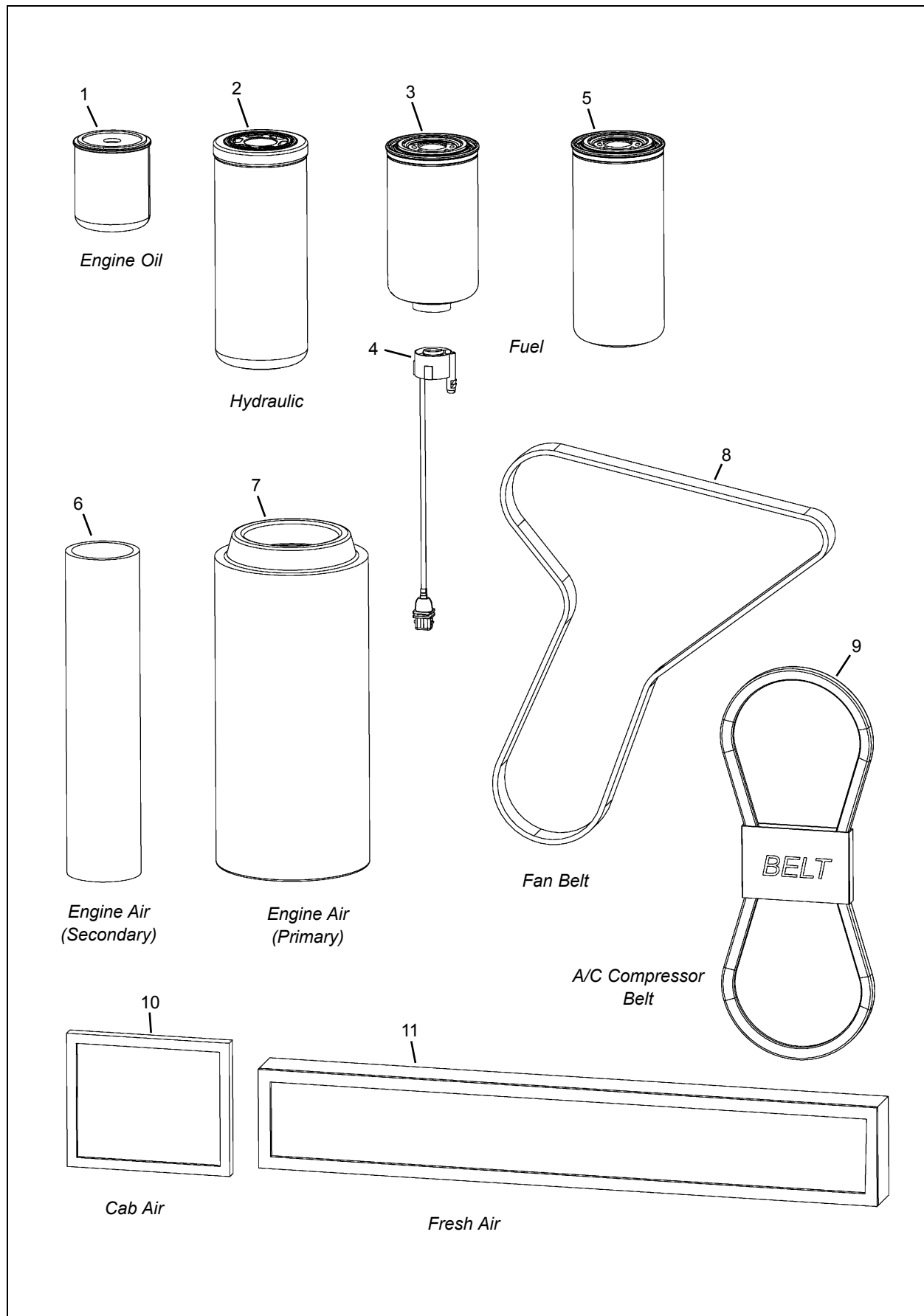
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RT250 - MAINTENANCE

FILTERS / BELTS / ANALYSIS KITS

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RT250 - MAINTENANCE FILTERS / BELTS / ANALYSIS KITS

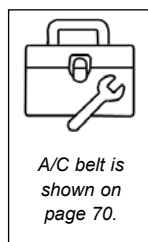
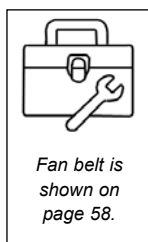
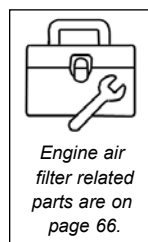
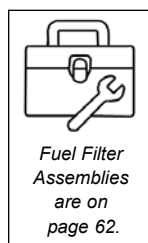
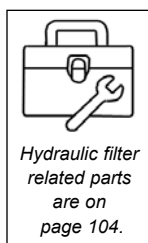
Item No.	Part No.	Description	Qty.
01	132023	FILTER, ENGINE OIL	1
02	074830	FILTER, HYDRAULIC	1
03		FILTER, FUEL/WATER SEPARATOR	1
	50303847	<i>Note a</i>	
	50302445	<i>Note b</i>	
04	50220612	SENSOR, WATER	1
	50220613	SEALING RING (<i>not shown — goes between sensor and water separator</i>)	
05	50302441	FILTER, FUEL (<i>secondary</i>)	1
06	184195	FILTER, ENGINE AIR (<i>secondary</i>)	1

Item No.	Part No.	Description	Qty.
07	184146	FILTER, ENGINE AIR (<i>primary</i>)	1
08	50220511	BELT/ALTERNATOR-FAN	1
09	50301193	V-BELT A x 41 * (<i>A/C Compressor</i>)	1
10	242832	FILTER, RECIRCULATION AIR *	2
11	195660	FILTER, FRESH AIR *	1

a Engine SN 11538281 and up

b Engine SN 11538280 and before

** Used when equipped with air conditioning or heater.*



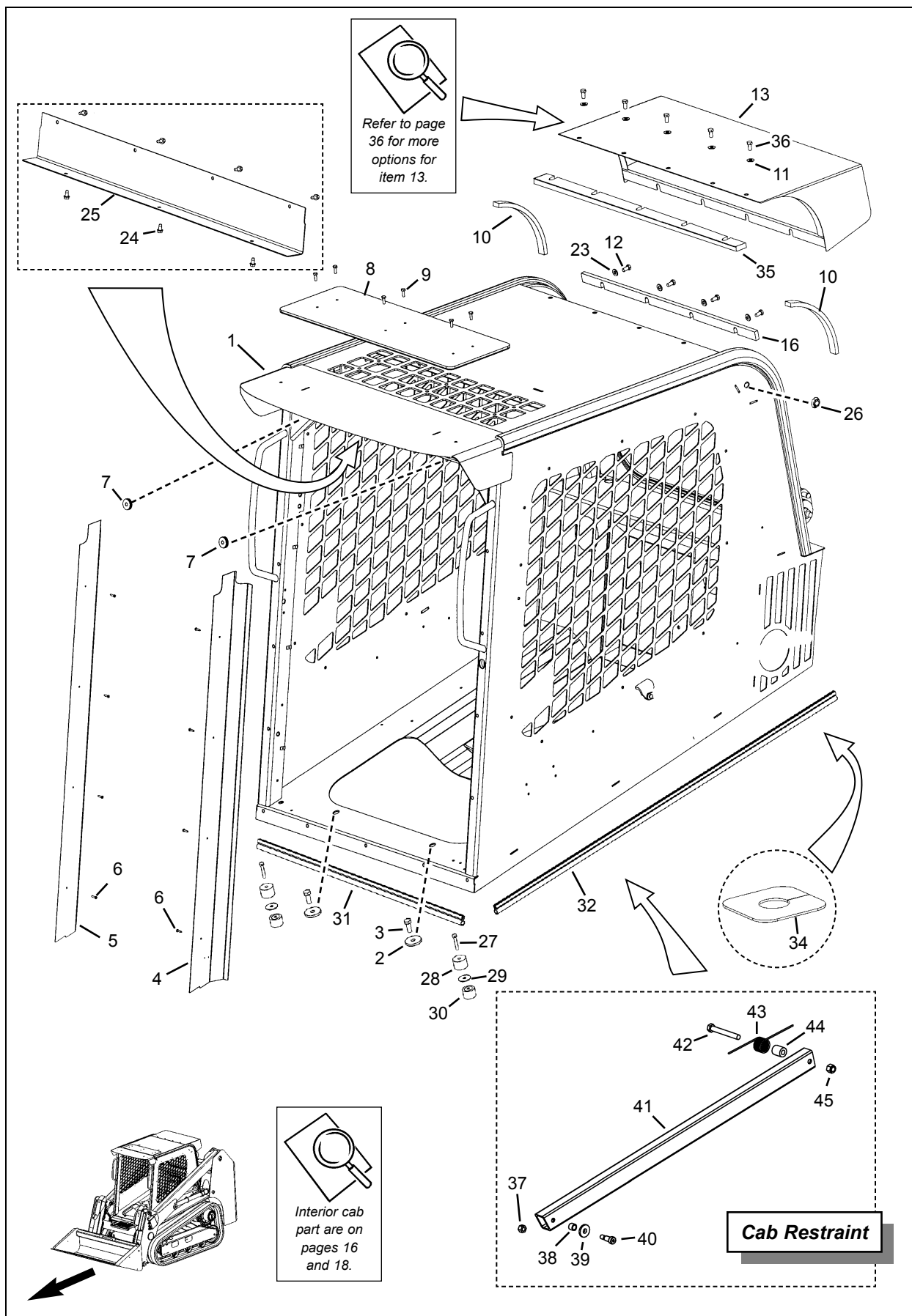
Analysis Kits*

	Qty.
272806.....	HYDRAULIC OIL ANALYSIS KITS (10)
272809.....	ENGINE OIL ANALYSIS KITS (10)
272811.....	BASIC FUEL ANALYSIS KIT (1)
272812.....	COOLANT ANALYSIS KITS (10)
272813.....	FIELD TEST COOLANT STRIP KIT (1)
272814.....	OIL VACUUM PUMP (1)
272815.....	COOLANT VACUUM PUMP (1)
272816.....	1/4" PLASTIC TUBING (100-FOOT ROLL)

** For the analysis of fluids and lubricants used in this machine. Contact your dealer for more information.*

RT250 - CAB STANDARD CAB

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RT250 - CAB

STANDARD CAB

Item No.	Part No.	Description	Qty.
01	50302312	ROPS WELDMENT	1
02	057557	FW 17/32 ZY	2
03	650495	CS 1/2" x 1-1/4" C5ZY	2
04		COVER, POST (Left) (see below)	1
	50300218	(Standard - no door)	
	50300210	(Swing-Out Door - w/ heater)-(Option)*	
	50300215	(Swing-Out Door - no heater)-(Option) *	
05		COVER, POST (Right) (see below)	1
	50300219	(Standard - no door)	
	50300212	(Swing-Out Door - w/ heater)-(Option)*	
	50300216	(Swing-Out Door - no heater)-(Option) *	
06	651783	SCREW, TPH TF CR #8-32x3/4 CZY	8
07	242633	GROMMET, 0.375"x0.188GW 1.0	2
08	270848	WINDOW, TOP	1
09	650835	CS 1/4" x 1" C5ZY	6
	137462	WASHER, 1/4" SEALING	6
10	271627	SEAL, FOAM SIDE	2
11	135270	WASHER, SEALING 3/8"	5
12	650488	CS 3/8" x 3/4" C5ZY	4
13	50301826	WELDMENT, REAR BILL **	1
14	654004	FW 5/16" AWZY	2
23	654049	FW 3/8 ANZY	4
24	651783	SCREW/TPHTF CR *8-32x3/4	7
	650606	FW #8 AZ (not shown)	7
25	50300057	COVER, DOOR HEADER	1

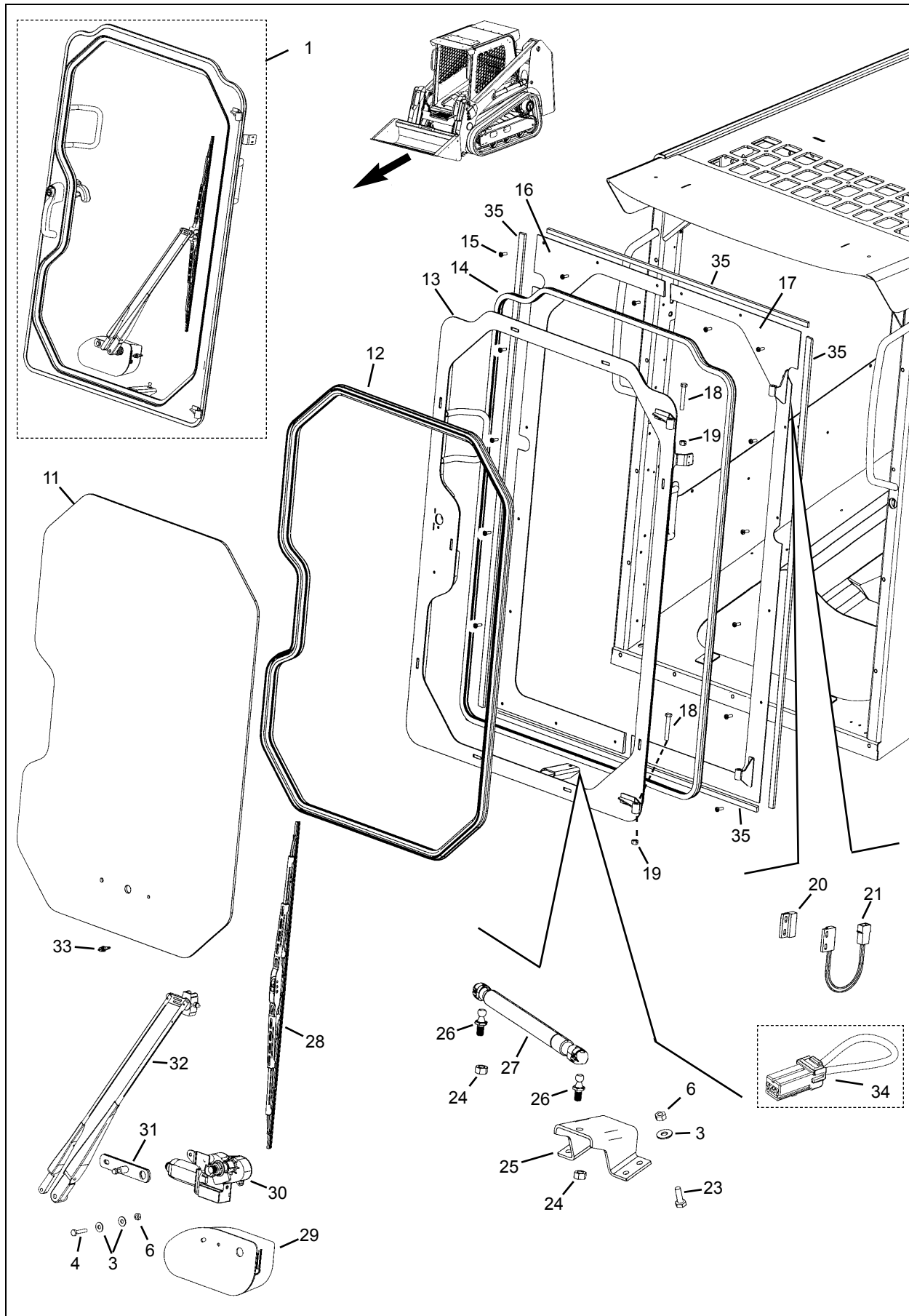
Item No.	Part No.	Description	Qty.
26	192182	PLUG, RUBBER	2
27	650568	CS 5/16" x 2" C5ZY	2
28	50301141	SPACER	2
29	50301434	SPACER	AR
30	275016	ISOLATOR, 1" x 1-1/2" RUBBER	2
31	50301581	SEAL, BULB 0.63" x 37.5"	1
32	50301580	SEAL, BULB 0.63" x 56.25"	2
34	50301118	GROMMET, CAB ELECTRICAL	1
35	50301824	SEAL, FOAM	1
36	650490	CS 3/8" x 1" C5ZY	5
37	210-31017	LN FL CTR 5/16 CFZY	1
38	50302309	BUSHING, BRONZE	1
39	50302473	WASHER, BEVELED	1
40	030-31941	SCREW, SHOULDERED 3/8 "x5/8"	1
41	50302182	CAB RESTRAINT, WELDMENT	1
42	650818	CS 3/8" x 3" C5ZY	1
43	50301852	SPRING, TORSION	1
44	50302181	SPACER	1
45	067847	HLN INST 3/8" CZY	1

* When machine is equipped with optional swing-out door.

** Refer to page 36 for additional rear bill weldments.

Units equipped with heaters or air conditioning (HVAC) use a different rear bill weldment.

CAB DOOR - SWING-OUT - (OPTION)



RT250 - CAB

CAB DOOR - SWING-OUT - (OPTION)

Item No.	Part No.	Description	Qty.
01		SWING-OUT DOOR ASSEMBLY (Includes latch, 24, 26, and 28-33)	1
	50303412	(Late-style latch - (Standard) (shown)	
	50303495	(Late-style latch - High-impact/Option)	
	50302053	(Early-style latch - (Standard)	
	50301965	(Early-style latch - High-impact/Option)	
11		WINDOW, DOOR	1
	50300224	Standard Glass (shown)	
	274576	Polycarbonate (option - not shown) *	
12	273332	SEAL, WINDOW **	1
13		DOOR FRAME, SWING-OUT	1
	50303413	(Late-style latch - (Standard) (shown)	
	50303496	(Late-style latch - High-impact/Option)	
	50300073	(Early-style latch - (Standard)	
	274577	(Early-style latch - High-impact/Option)	
14	50300242	SEAL, DOORWAY	1
15	651308	PHMS SLT 1/4" x 3/4" ZB	20
16	50300255	PLATE, DOOR	1
17	50300257	WELDMENT, DOOR FRAME	1
18	650492	CS 3/8" x 2-1/2" C5ZY (early-style)	2
	656188	CS M10-1.5x70 C8.8 ZY (late-style)	2
19	071703	LN 3/8" CBZY (early-style)	2
	651448	LN INS M10-1.5 C8 ZY (late-style)	2
20	193157	MAGNET, SWITCH ACTUATOR	1
	651212	PHMS CR #540x1/2" (not shown)	2
	651328	HLN INST #5-40 CZY (not shown)	2

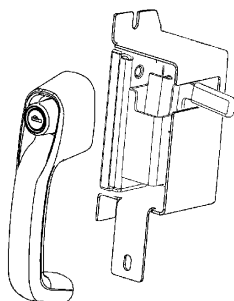
Item No.	Part No.	Description	Qty.
21	276026	SWITCH, PROXIMITY	1
	651212	PHMS CR #540x1/2" (not shown)	2
	651328	HLN INST #5-40 CZY (not shown)	2
23	650448	CS 1/4" x 3/4" C5ZY	4
24	071701	LN 5/16" CBZY	AR
25	274369	BRACKET, BALL STUD	1
26	L69488	STUD, BALL	AR
27	50303201	GAS CYLINDER	1
28	274424	WIPER BLADE, 26"	1
29	273408	COVER, WIPER MOTOR	1
30	273406	WIPER MOTOR, 65°	1
31	50300014	MOUNT, WIPER ARM	1
32	273407	WIPER ARM, 22" PANTOGRAPH	1
33	L500099	BULKHEAD, WASHER HOSE	1
34	50301002	HARNES, DOOR SWITCH JUMP (Used when door is removed.)	1
35	50300248	SEAL, FOAM TAPE 0.375" x 195.0" (Used to seal the door frame—items #16 and 17—to the cab.)	1

* The optional high-impact window fastens to the door frame (item #13) with (14) 650426 1/4"x1-1/4" bolts, 654002 1/4" flat washers, and 070634 1/4" flange lock nuts—not shown.

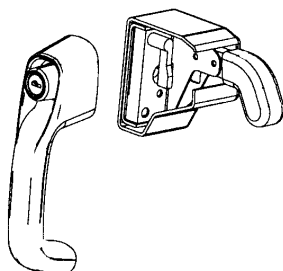
** Used only with standard glass; not used with high-impact window option.



IMPORTANT: When ordering the complete swing-out door assembly (item #1) or the door frame (item #13) be sure to refer to the illustration below to determine which part number to order based on the door latch that is installed on the current door.

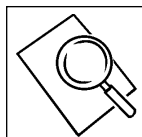


Late-Style
Door Latch

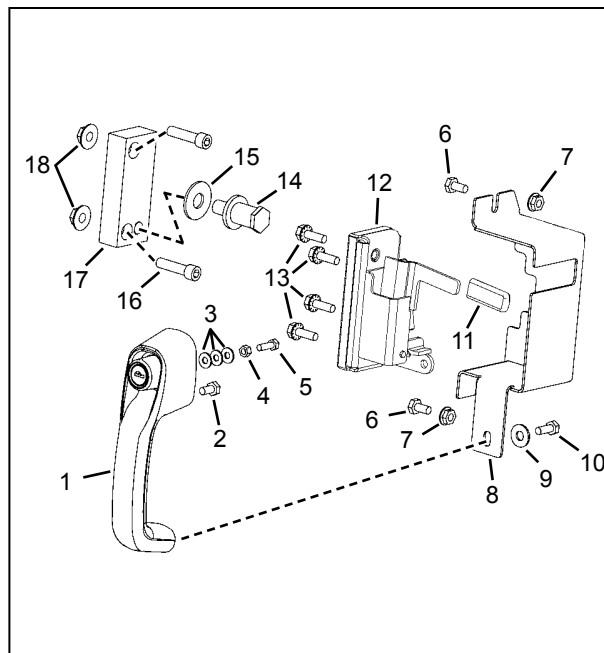


Early-Style
Door Latch

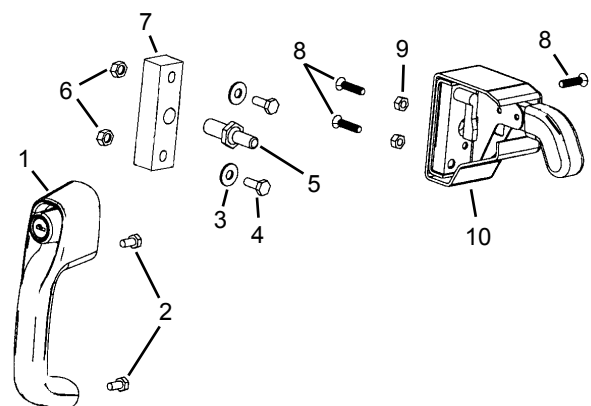
Refer to the next page for a parts listing of the door latches shown above.



Door latches
shown on
page 10.

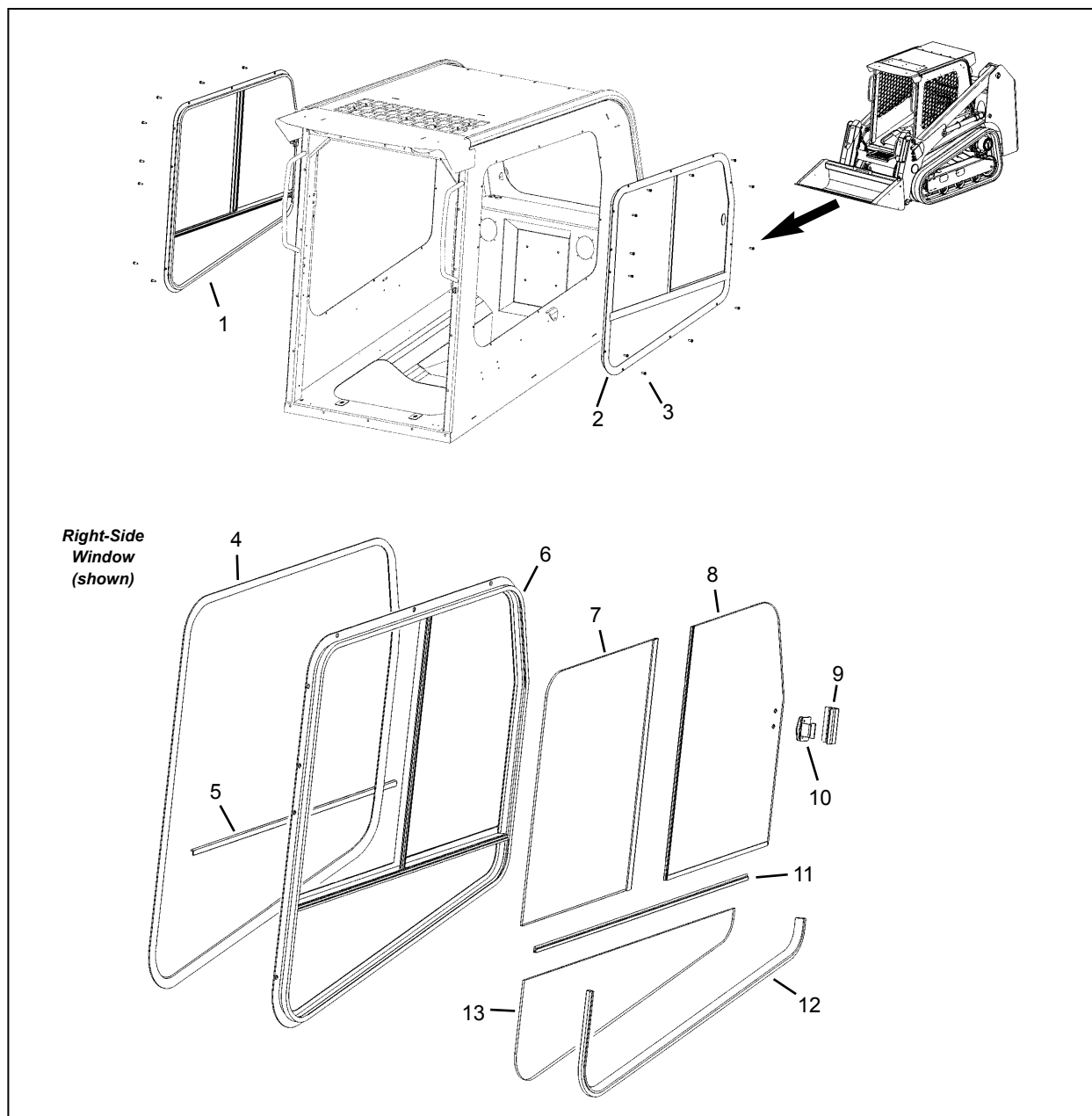
RT250 - CAB**CAB DOOR - LATCHES (OPTIONAL SWING-OUT DOOR)****LATE-STYLE DOOR LATCH**

Item No.	Part No.	Description	Qty.
01	273340	HANDLE, PUSH BUTTON	1
	50280186	KEY, 8001 (14603) <i>(not shown)</i>	1
02	656092	CS M6-1x12 C8.8 ZY DIN931	1
03	650584	FW #10 AZY	AR
04	656100	HN M5-0.8 C8 ZY	1
05	651521	CS M5-0.8 x 16 C8.8 ZY	1
06	650542	CS 1/4" x 1/2" C5ZY	2
07	210-32184	HN FL CLOC 1/4" CZY	2
08	50303454	COVER	1
09	654002	FW 1/4 AWZY	1
10	656149	CS M16-1x16 C8.8 ZY	1
11	50303465	LATCH HANDLE GRIP	1
12	50303453	LATCH	1
13	072916	CS FL LOCK 1/4" x 3/4" C5ZY	4
14	420-36187	STRIKER	1
15	654046	FW 7/16" AWZY	AR
16	650896	SHCS HS 5/16" x 1-1/4" C	2
17	50303416	MOUNT, STRIKER	1
18	210-31017	HN LF CLOC 5/16" CZY	2

**EARLY-STYLE DOOR LATCH**

Item No.	Part No.	Description	Qty.
01	273340	HANDLE, PUSH BUTTON	1
	50280186	KEY, 8001 (14603) <i>(not shown)</i>	1
02	656092	CS M6-1x12 C8.8 ZY DIN931 <i>(included with item # 1)</i>	2
03	654002	FW 1/4" AWZY	AR
04	650426	CS 1/4" x 1-1/4" C5ZY	2
05	187724	STRIKER, CAM LATCH	1
06	070634	LN LG FL SERR 1/4" CZ	AR
07	274594	MOUNT, STRIKER	1
08	651800	FHSCS M6-1x30 C8.8 ZY DIN7991	3
09	651457	LN INS M6-1 C8 ZY DIN6924	2
10	182076	LATCH, CAM	1

RT250 - CAB SIDE WINDOWS (OPTION)



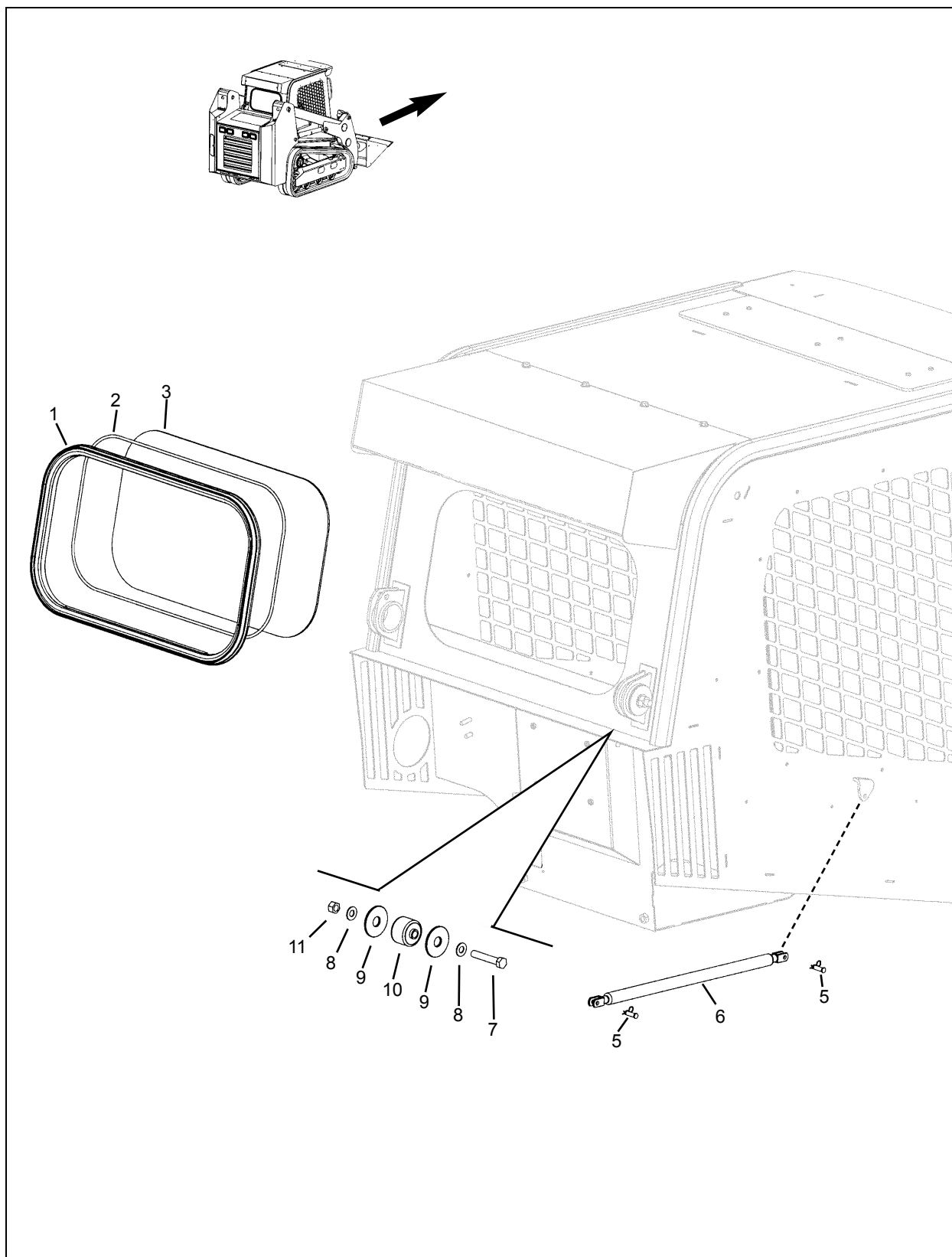
Item No.	Part No.	Description	Qty.
01	271379	WINDOW, ASSEMBLY (<i>right</i>) *	1
02	271380	WINDOW, ASSEMBLY (<i>left</i>) *	1
03	651308	PHMS CR 1/4" x 3/4" ZB	24
04	50280124	SEAL, WINDOW (<i>one per side</i>)	2
05	50280144	SEAL, RAIN SHED (<i>one per side</i>)	2
06	50280141	FRAME, WINDOW (RH)	1
	50280140	FRAME, WINDOW (LH) **	1
07	50280148	WINDOW, STATIONARY (RH)	1
	50280147	WINDOW, STATIONARY (LH) **	1
08	50280146	WINDOW, SLIDER (RH)	1
	50280145	WINDOW, SLIDER (LH) **	1

Item No.	Part No.	Description	Qty.
09	242779	STRIKER (<i>one per side</i>)	2
10	242780	LATCH ASSEMBLY (<i>one per side</i>)	2
11	50280150	RAIL, PVC SLIDER (<i>one per side</i>)	2
12	50280143	SEAL, RETAINER (<i>one per side</i>)	2
13	50280149	WINDOW, LOWER (<i>one per side</i>)	2

* Window assembly includes one each of items 4-13.

** Not shown in illustration.

CAB TILT AND REAR WINDOW



RT250 - CAB

CAB TILT AND REAR WINDOW

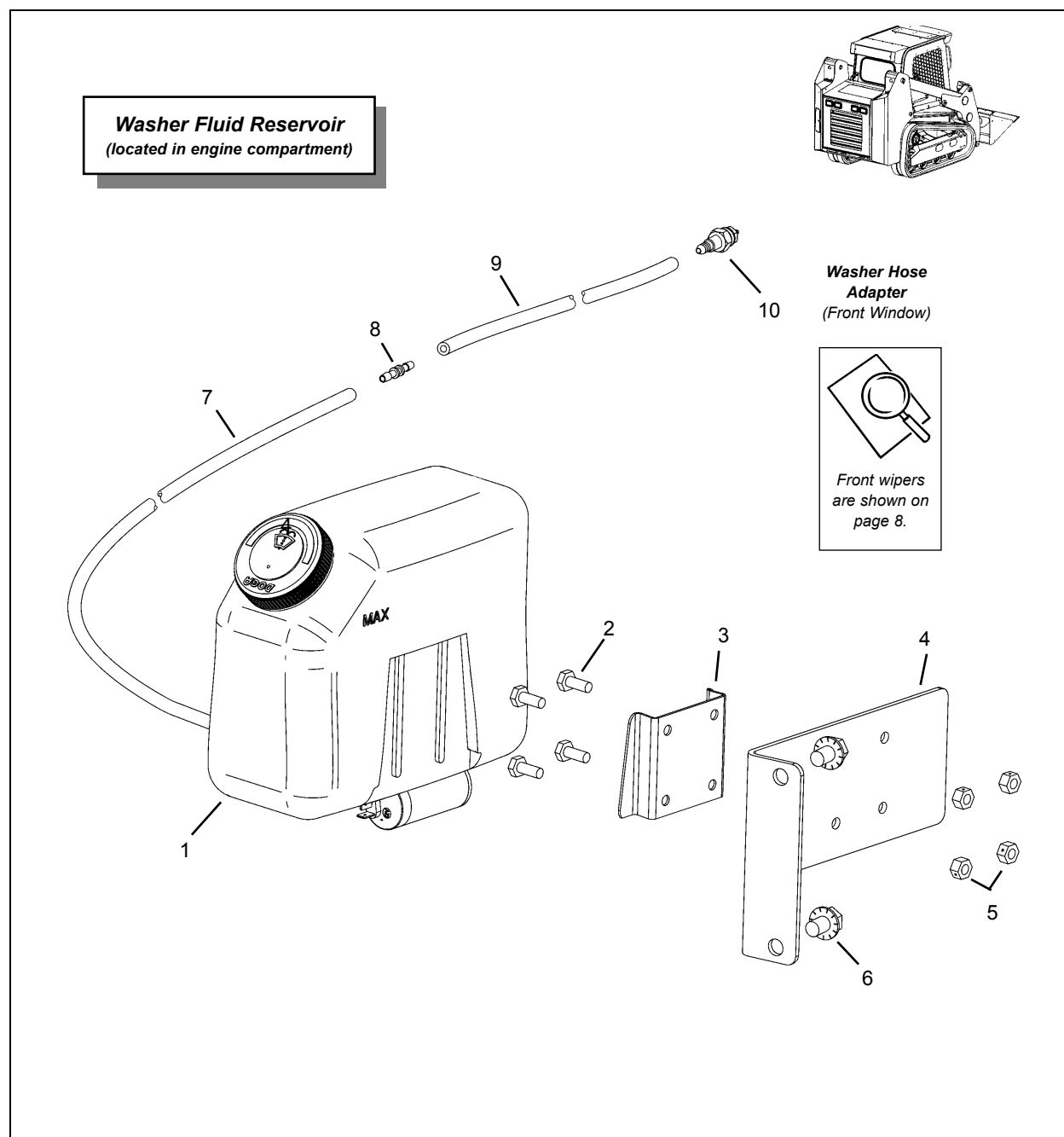
Item No.	Part No.	Description	Qty.
01	240645	WEATHERSTRIP, WINDOW	1
02	241544	RIPCORDER, WEATHERSTRIP	1
	132166	TAG, RIP CORD (<i>not shown</i>)	1
	132294	RING, RIP CORD TAG (<i>not shown</i>)	1
03	243270	WINDOW, REAR (<i>standard</i>)	1
04	N/A		0
05	005073	CLEVIS PIN 3/8" x 1-1/4"	4
	071858	COTTER/HAIRPIN 1/8x1-15/16	4
06	50303213	GAS CYLINDER, CAB TILT (<i>std.</i>)	2
	50303211	GAS CYLINDER, CAB TILT (<i>option</i>) *	2

Item No.	Part No.	Description	Qty.
07	650631	CS 5/8" x 4" C5ZY	2
08	651150	FW 5/8" AWZY	4
09	274203	WASHER, PLASTIC 1"	4
10	241357	ISOLATOR	2
11	071709	LN CTR 5/8" CBZY	2

* Stronger gas cylinder - used when machine is equipped with optional cab door.

RT250 - CAB WINDOW WASHER (OPTION)

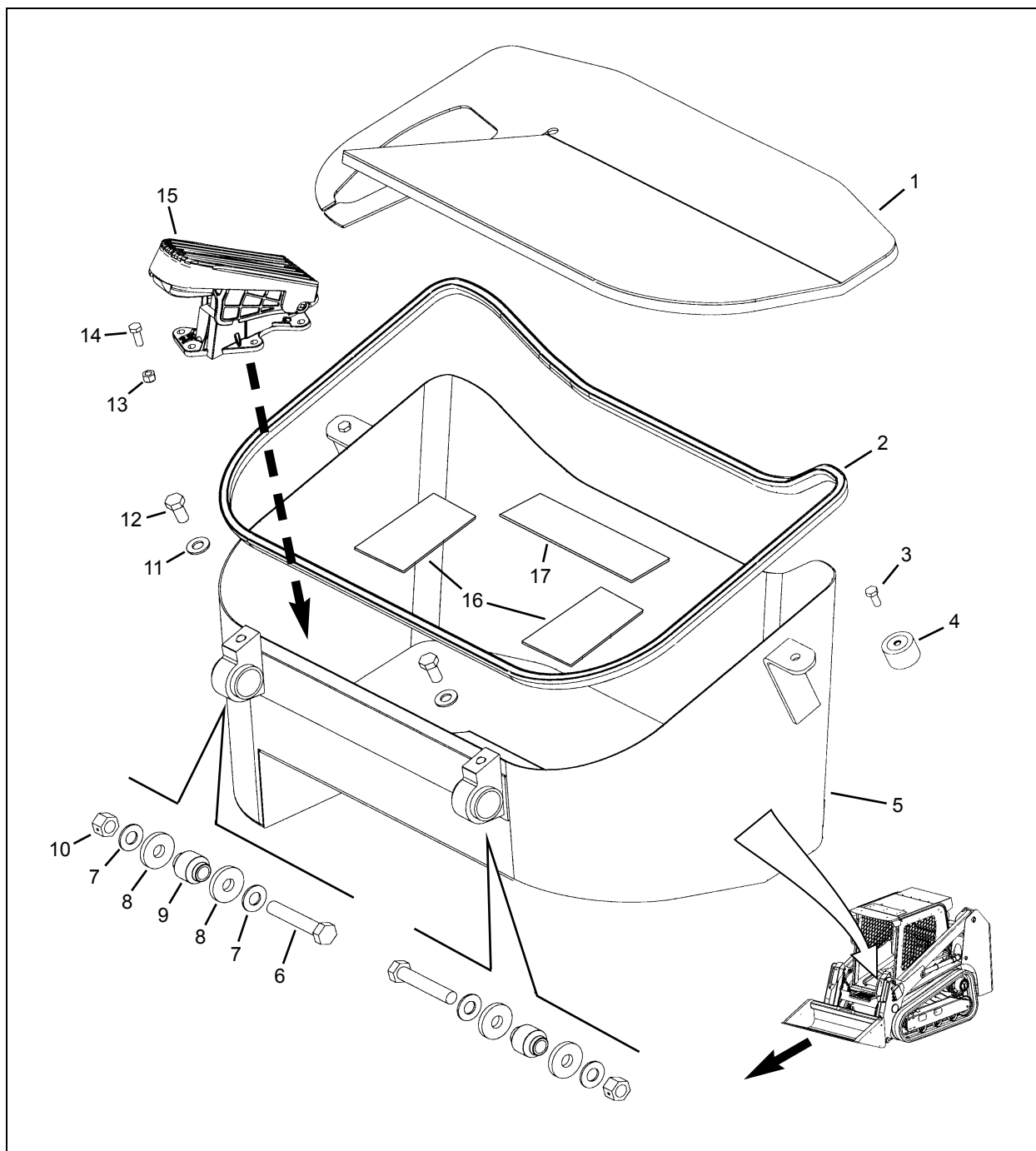
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Item No.	Part No.	Description	Qty.
01	50300988	WASHER BOTTLE W/PUMP (single pump—front window only)	1
02	650663	CS 1/4" x 5/8" C5ZY	4
03	271838	BRACKET, WASHER BOTTLE	1
04	50302864	BRACKET, WASHER BOTTLE	1
05	071700	LN 1/4 CBZY	4

Item No.	Part No.	Description	Qty.
06	310-32616	CS FL LOCK 3/8" x 1/2" C2ZY	2
07	50300767	HOSE, WASHER 0.156 x 60"	1
08	104121	TUBING CONNECTOR 5/32	1
09	275640	HOSE, WASHER 0.156 x 96"	1
10	L500099	ADAP., BULKHEAD WASH HOSE	1

RT250 - CAB FOOT POD / ACCELERATOR PEDAL

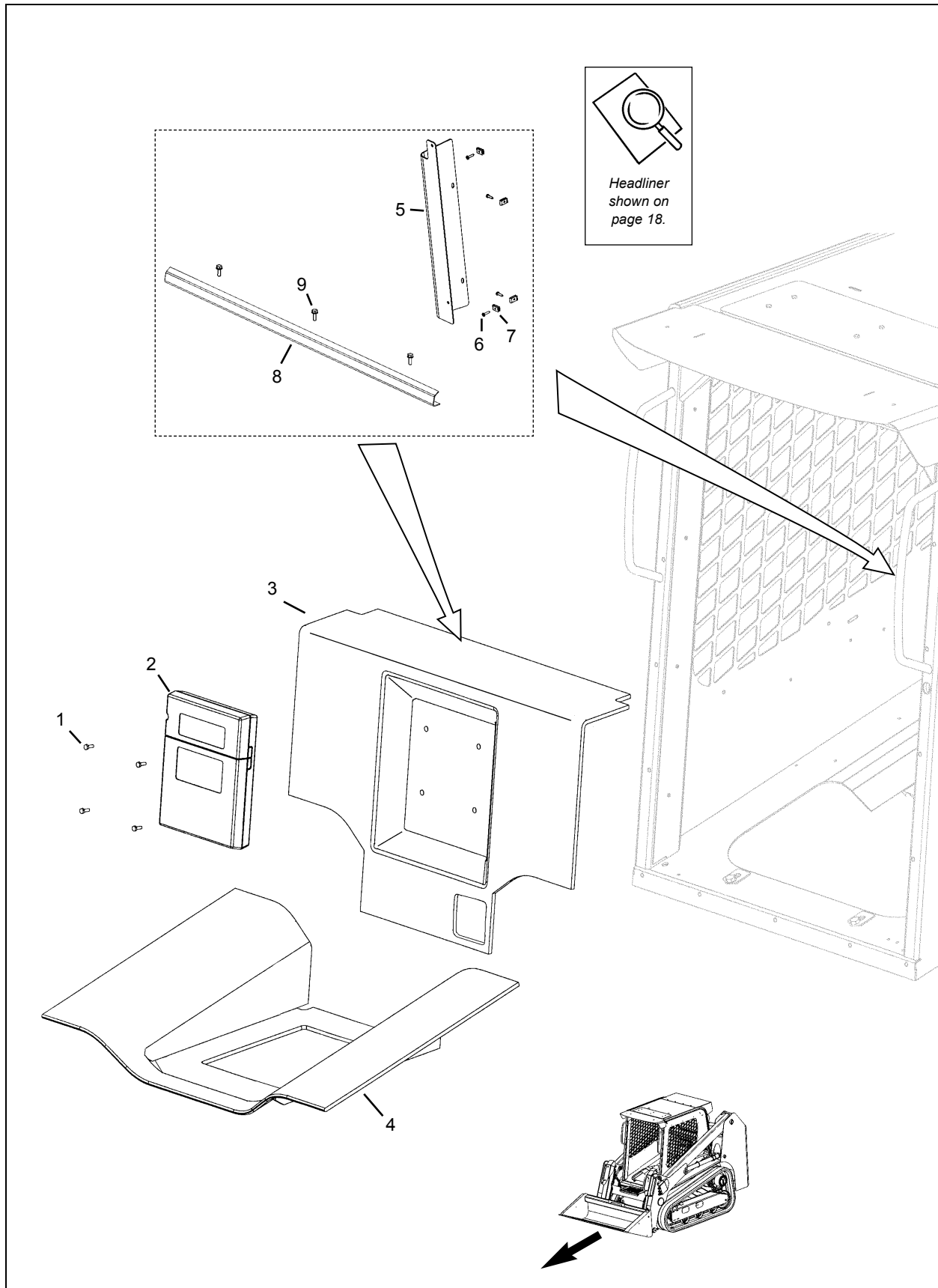


Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	275386	FLOOR MAT *	1	11	651148	FW 1/2" ANZY	2
02	275328	BULBSEAL	1	12	650494	CS 1/2" x 1" C5ZY	2
03	650486	CS 5/16 x 3/4 C5ZY	2	13	064260	HLN INST 5/16 CZY	6
04	275016	ISOLATOR, 1" x 1.5"	2	14	650809	CS 5/16 x 7/8 C5ZY	5
05	50300047	POD, FOOT	1	15	271425	THROTTLE, FOOT	1
06	650695	CS 5/8" x 3-1/2" C5ZY	2	16	50300465	NON-SLIP TAPE 4x9 IN.	2
07	651150	FW 5/8" ANZY	4	17	50300467	NON-SLIP TAPE 4x18 IN.	1
08	271637	FW 41/64 PLASTIC	4				
09	271632	ISOLATOR	2				
10	071709	LN CTR 5/8 CBZY	2				

* Up to three floor mats can be stacked to adjust the floor height for the operator.

RT250 - CAB INTERIOR COVERS

<https://truckmanualshub.com/>



RT250 - CAB

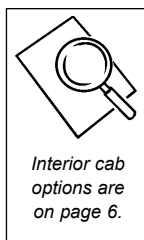
INTERIOR COVERS

Item No.	Part No.	Description	Qty.
01	650448	CS 1/4" x 3/4" C5ZY	4
02	L62459	HOLDER, MANUAL (<i>plastic</i>)	1
03	270915	FOAM, REAR WALL	1
04	272594	LINER, SEAT DECK	1
05	275241	COVER, HARNESS	1

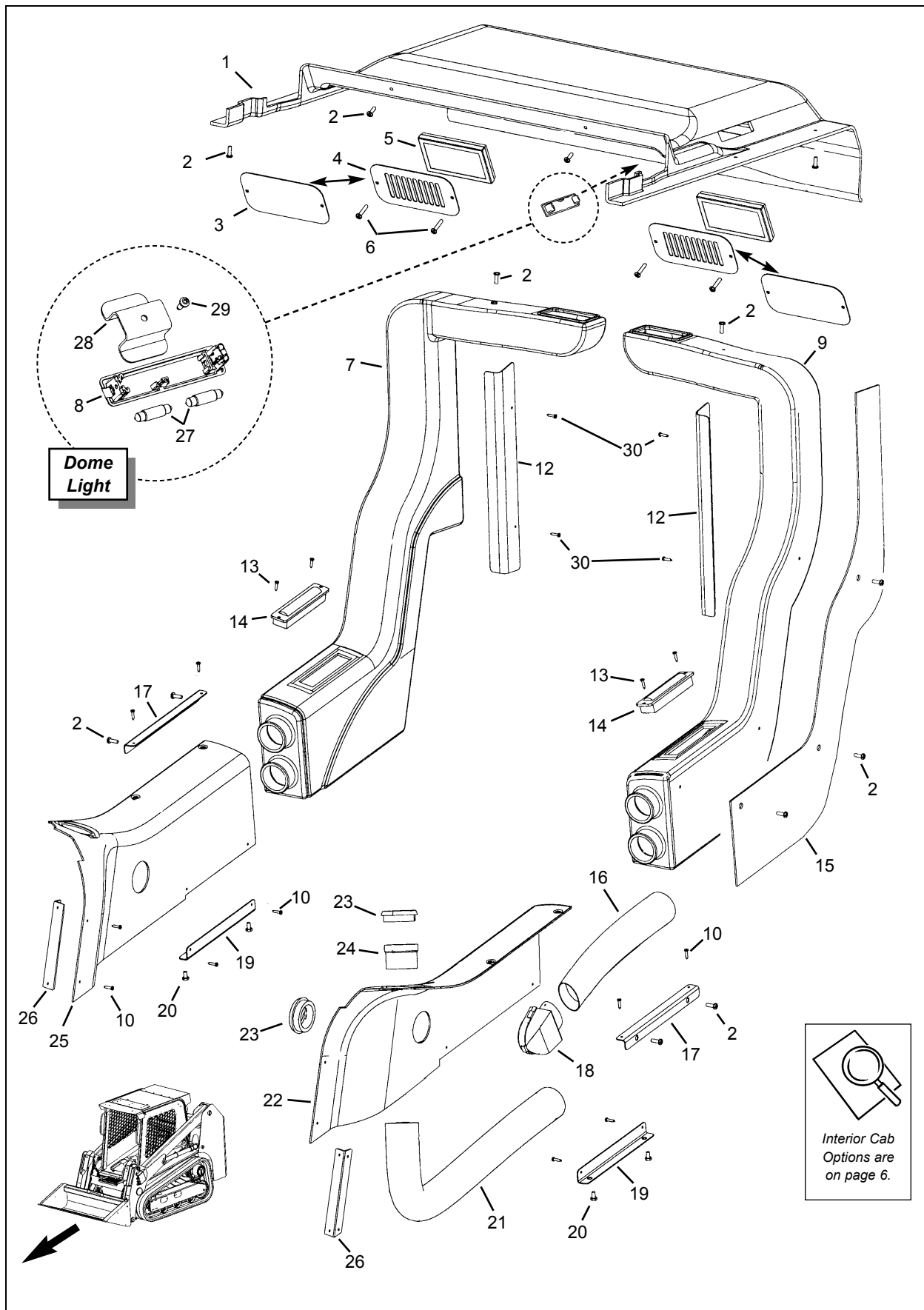
Item No.	Part No.	Description	Qty.
06	651783	SCREW/TPH TF CR #832x3/4 CZY	4
07	272579	NUT, TINNERMAN #8-15	4
08	50303823	PLATE, REAR STORAGE	1
09	072916	CS FL LOCK 1/4"X3/4" C5ZY	3



NOTE: Refer to page 6 for parts related to interior trim and covers when the machine is equipped with an optional front door. Refer to the next page for additional interior covers and trim.



HEADLINER - HEAT-A/C DUCTS — (OPTION)



HEADLINER - HEAT-A/C DUCTS — (OPTION)

Item No.	Part No.	Description	Qty.
01		HEADLINER	1
	275087	(No heater or A/C) - (standard)	
	275236	(Equipped with heat-A/C) - (option)	
02	651308	PHMS CR 1/4" x 3/4" ZB	AR
03	275353	PLATE, COVER (without heat-A/C) *	2
04	274868	PLATE, FILTER (with heat-A/C) **	2
05	242832	FILTER, RECIRCULATION AIR	2
06	651813	PHMS CR 1/4 x 1-1/4 CZB	4
07	275249	DUCT, REAR (right)	1
08	271756	DOME LIGHT***	1
09	272099	DUCT, REAR (left)	1
10	651783	SCREW/TPH TF CR#8-32x3/4 CZY	AR
	272579	#8 TINNEMAN	AR
12		COVER (hoses and harness)	
	270842	(when equipped with A/C-Heater)	2
	275241	(when not equipped with A/C-Heater)	1
13	L70487	SCREW, #10-16 x 3/4"	4
14	137503	LOUVER, ROLL NOZZLE	2
15	275291	INSULATION, DUCT (left-shown)	1
	270246	INSULATION, DUCT (right-not shown)	1
16	271899	HOSE, FLEX. DUCTING 17.5 IN.	2
	087850	CLAMP, HOSE #40 (not shown)	4
17	271670	BRACKET, FRONT COVER (upper)	2
18	271450	HOSE ADAPTER, 90° 2.50 IN.	2

Item No.	Part No.	Description	Qty.
19	271671	BRACKET, FRONT COVER (lower)	2
20	650448	CS 1/4 x 3/4 C5ZY	4
21	271898	HOSE, FLEX. DUCTING 31.5 IN.	2
	087850	CLAMP, HOSE #40 (not shown)	4
22	274731	COVER, HVAC (left)	1
		(Swing-Out Door - Option)	
23	271394	LOUVER 2.50 IN.	4
24	271395	LOUVER, HOSE ADAPTER	2
25	274842	COVER, HVAC (right)	1
		(Swing-Out Door - Option)	
26	274734	BRACKET, SIDE COVER MOUNT	2
	650448	CS 1/4 x 3/4 C5ZY (not shown)	4
	071401	HLN 1/4 CZY (not shown)	4
	651783	SCREW #8-32 x 3/4 (not shown)	4
27	275882	BULB, 12V - 10 W	2
28	50300088	BRACE, DOME LIGHT	1
29	651646	P TORX HTF #10-32x1/2 FBZ Type F	1
30	651312	RHMS SLT #10-24X1/2" CZY	4

* Used when the machine is not equipped with a heater or air conditioning option.

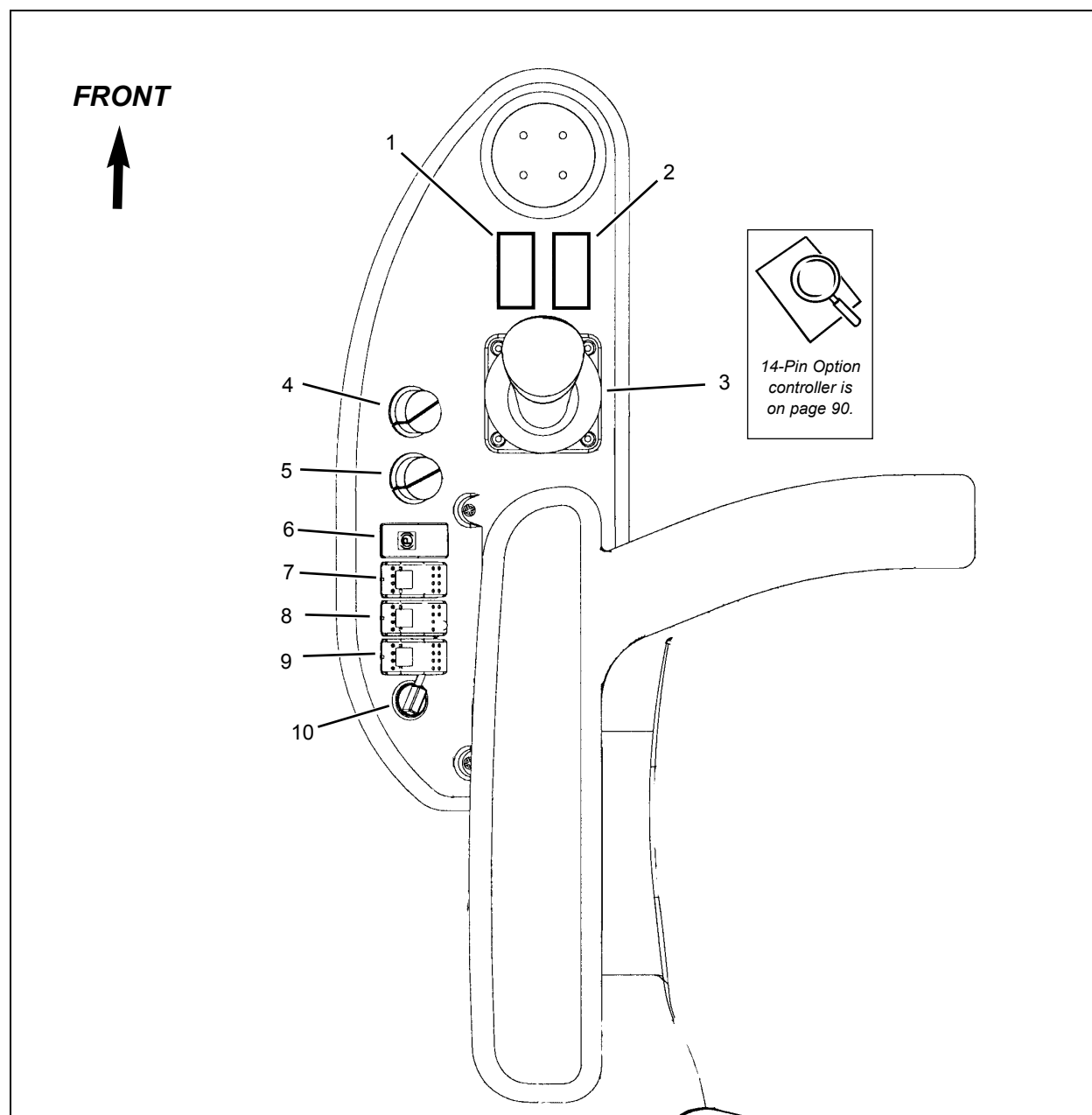
** Used when the machine is equipped with a heater or air conditioning option.

*** Does not include bulbs; order item #27.



NOTE: With the exception of items #3 and #12—275241, all parts shown are only used when the machine is equipped with the heater or air conditioning option.

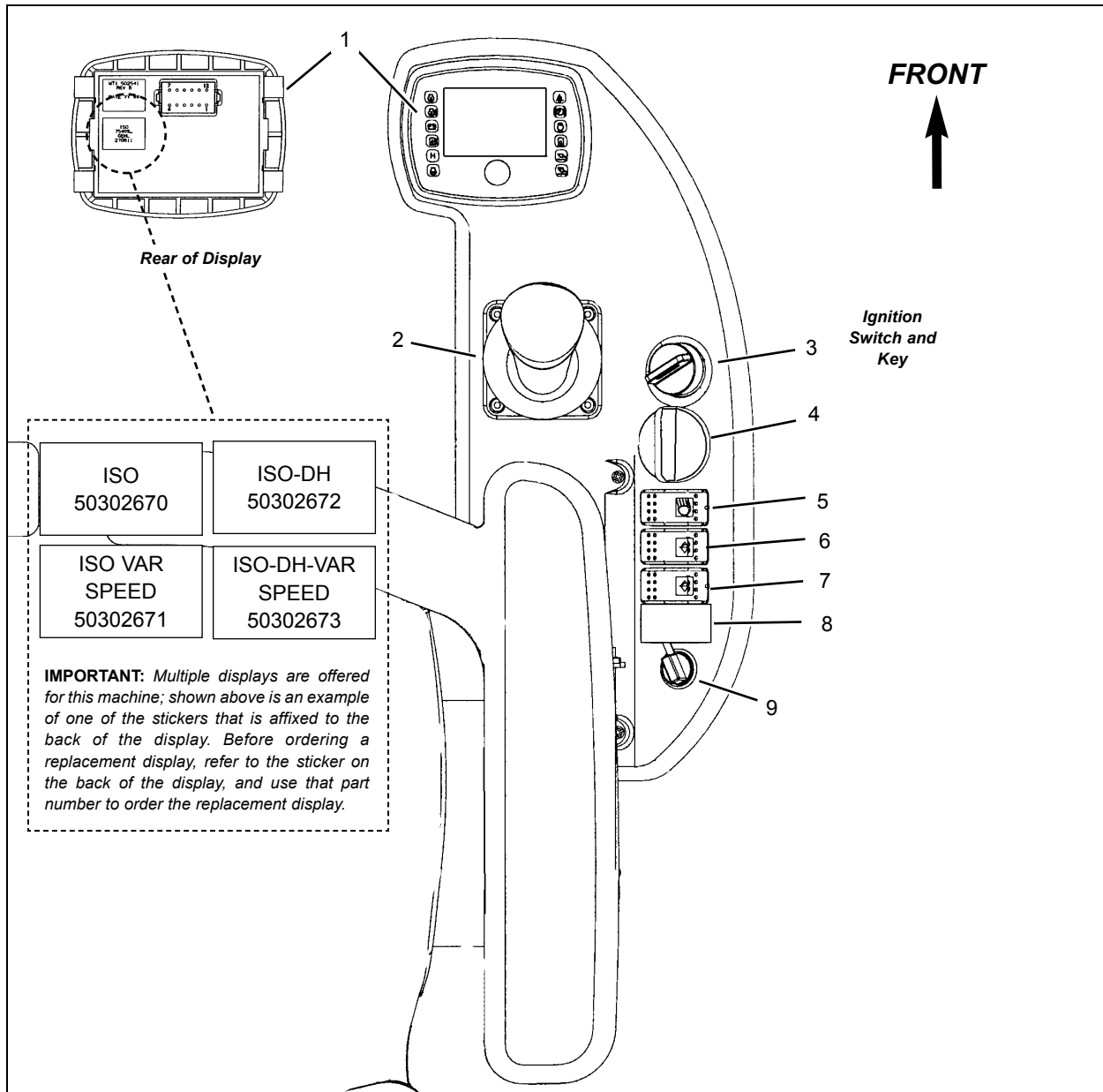
CONSOLE CONTROLS - LEFT SIDE



Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	242636	PANEL PLUG	1	09	50300585	SWITCH, PWR ALL-TACH (option)	1
02	242636	PANEL PLUG	1	10	137602	12 VOLT AUXILIARY POWER	1
03		CONTROLLER (left)	1		137603	COVER, RUBBER	1
	275519	Standard Controller	1	* Option — these switches are used when the machine is equipped with a heater or the A/C option. If the machine is not equipped with a heater or A/C, use plastic plug PN 271678 in place of the heater switch and the A/C controller.			
	50301592	14-Pin Option Controller	1				
	50300314	KIT, SWITCH (not shown)	1				
04	136305	SWITCH, HEATER (fan speed) *	1	 NOTE: The illustration and parts list identifies both standard and optional features for the machine—your machine might not have some of the items shown on this page.			
	273968	KNOB	1				
	50300066	NUT, HEATER SWITCH	2				
05	189033	A/C CNTRL MODULE (temperature) *	1				
	273968	KNOB	1				
06	271542	SWITCH, PARK BRAKE	1				
07	271702	SWITCH, SELF LEVEL (option)	1				
08	271743	SWITCH, HIGH FLOW (option)	1				

RT250 - CAB

CONSOLE CONTROLS - RIGHT SIDE



Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	See *	DISPLAY, IN-CAB - CAN *	1	07	L71076	SWITCH, WIPER/WASHER - REAR	1
	50300318	RUBBER BOOT, BUTTON	1	08	242636	PANEL PLUG	1
02		CONTROLLER (right)	1	09	137602	12 VOLT AUXILIARY POWER	1
	651424	SCREW M6-1x20 C8.8 (not shown)	4		137603	COVER, RUBBER	1
	275459	One-button joystick - (standard float)					
	50300314	KIT, SWITCH (not shown)	1				
	275460	Two-button joystick - (Hydraglide™ float)					
	50300314	KIT, SWITCH (not shown)	1				
03	272578	SWITCH, IGNITION (includes key)	1				
	50280186	KEY, 8001 (14603) (shown in switch)	1				
	50280187	KEY COVER, RUBBER	1				
04	272531	THROTTLE CONTROL	1				
	651820	SCREW FCHM CR 10-32x3/4	2				
05	271523	SWITCH, WORK LIGHTS	1				
06	L71076	SWITCH, WIPER/WASHER - FRONT	1				

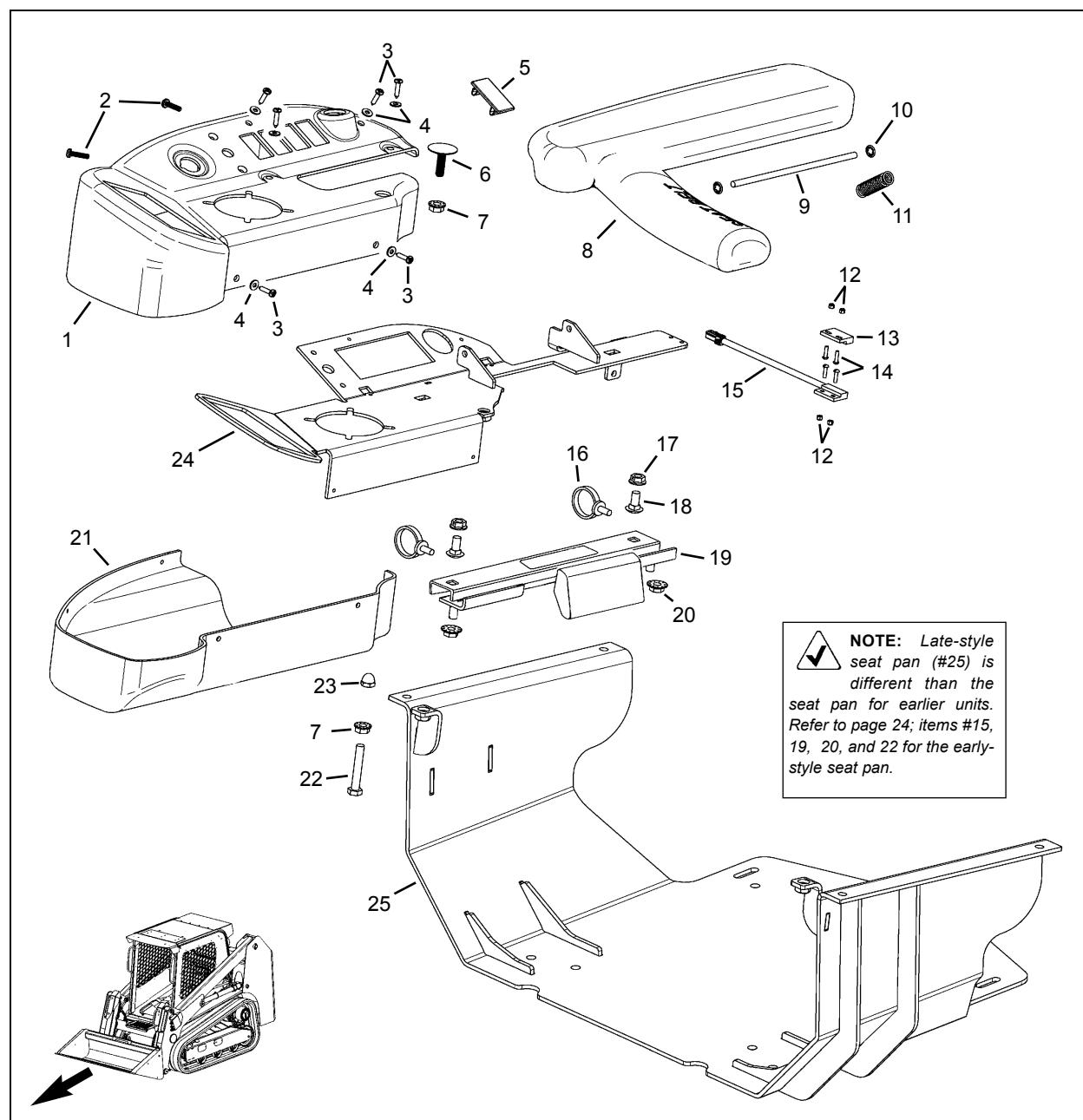


*** IMPORTANT:** Before ordering, refer to the sticker on the back of the display—this is the part number for the display; be sure to order the correct display for this machine.

NOTE: The illustration and parts list identifies both standard and optional features for the machine—not all machines will have the items shown on this page.

CONSOLE - RIGHT SIDE

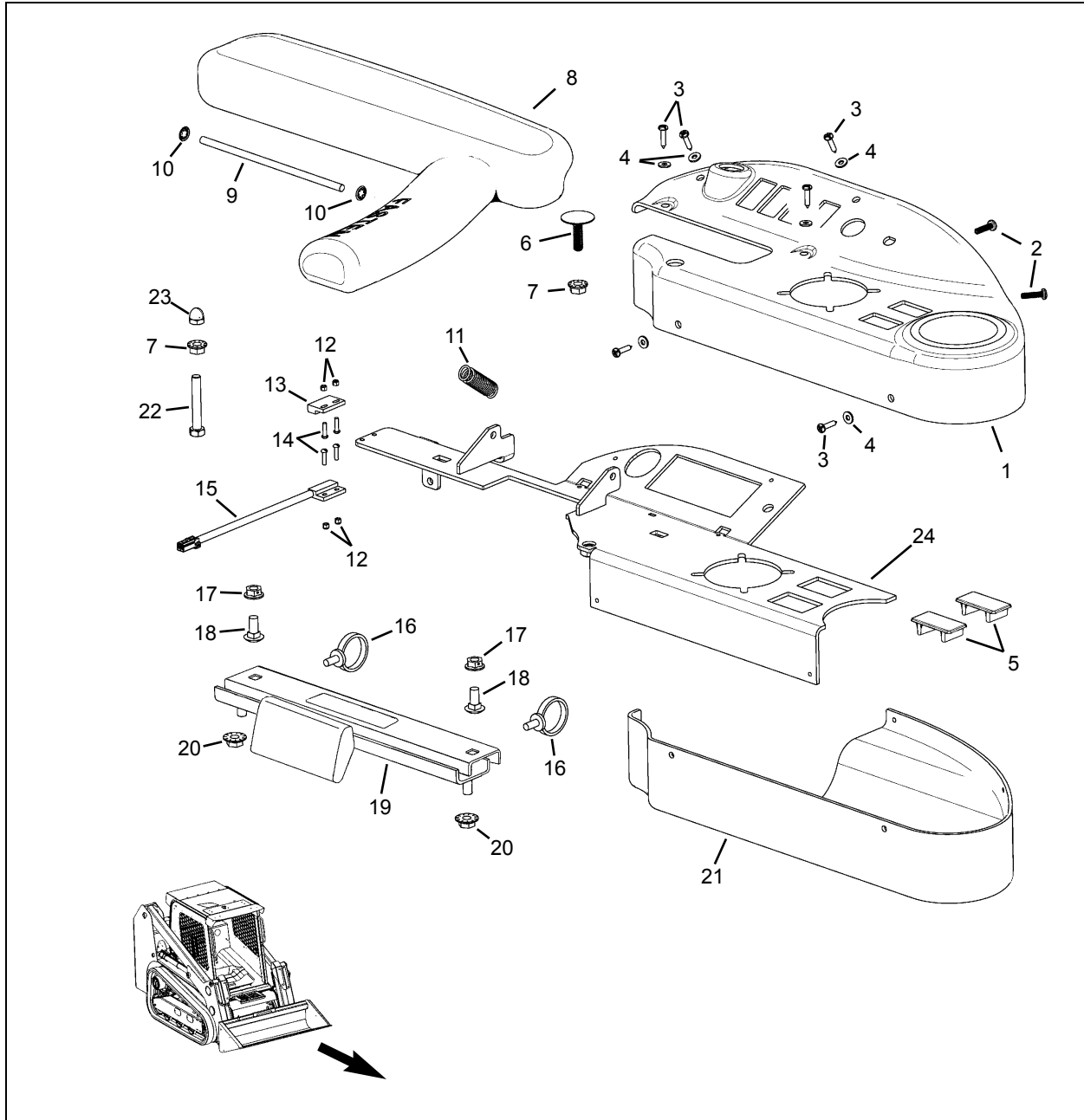
(Late Style - See note below)



Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	50303480	COVER, JOYSTICK (RH)	1	14	651212	RMS SLT #5-40 x 1/2 " CZY	4
02	273071	SCREW, TPH TF CR #1014 x 3/4"	2	15	276026	SWITCH, PROXIMITY	1
03	651783	SCREW/TPH TF CR#8-32x3/4 CZY	6	16	273369	CABLE TIE	2
04	650606	FW #8	6	17	210-31017	HN FL CLOC 5/16 CZY	2
05	242636	PANEL PLUG	AR	18	650687	CB 5/16" x 3/4" C5ZY	2
06	50303472	STOP, ARM BAR	1	19	271859	SLIDE, ARM REST	1
07	210-19470	HN FL SLOC 5/16 CZY	2	20	070648	LN LG FL SERR 5/16" CZ	2
08	273214	ARM REST (right) *	1	21	50300093	COVER	1
09	272542	BAR, ARM REST	1	22	L51035	HTB 5/16" x 2" C5ZY	1
10	272543	KEEPER, 0.5" SHAFT	2	23	50303432	SLIDER CAP	1
11	275982	SPRING, 0.50 x 2.00 EXT.	1	24	50303460	WELDMENT, JOYSTICK MOUNT	1
12	651328	HLN INST #5-40 CZY	4	25	50303251	WELDMENT, SEAT PAN	1
13	193157	MAGNET, SWITCH ACTUATOR	1				

* Refer to page 27; item #25 for increased operator room.

RT250 - CAB
CONSOLE - LEFT SIDE
(Late Style - See Note on Facing Page)



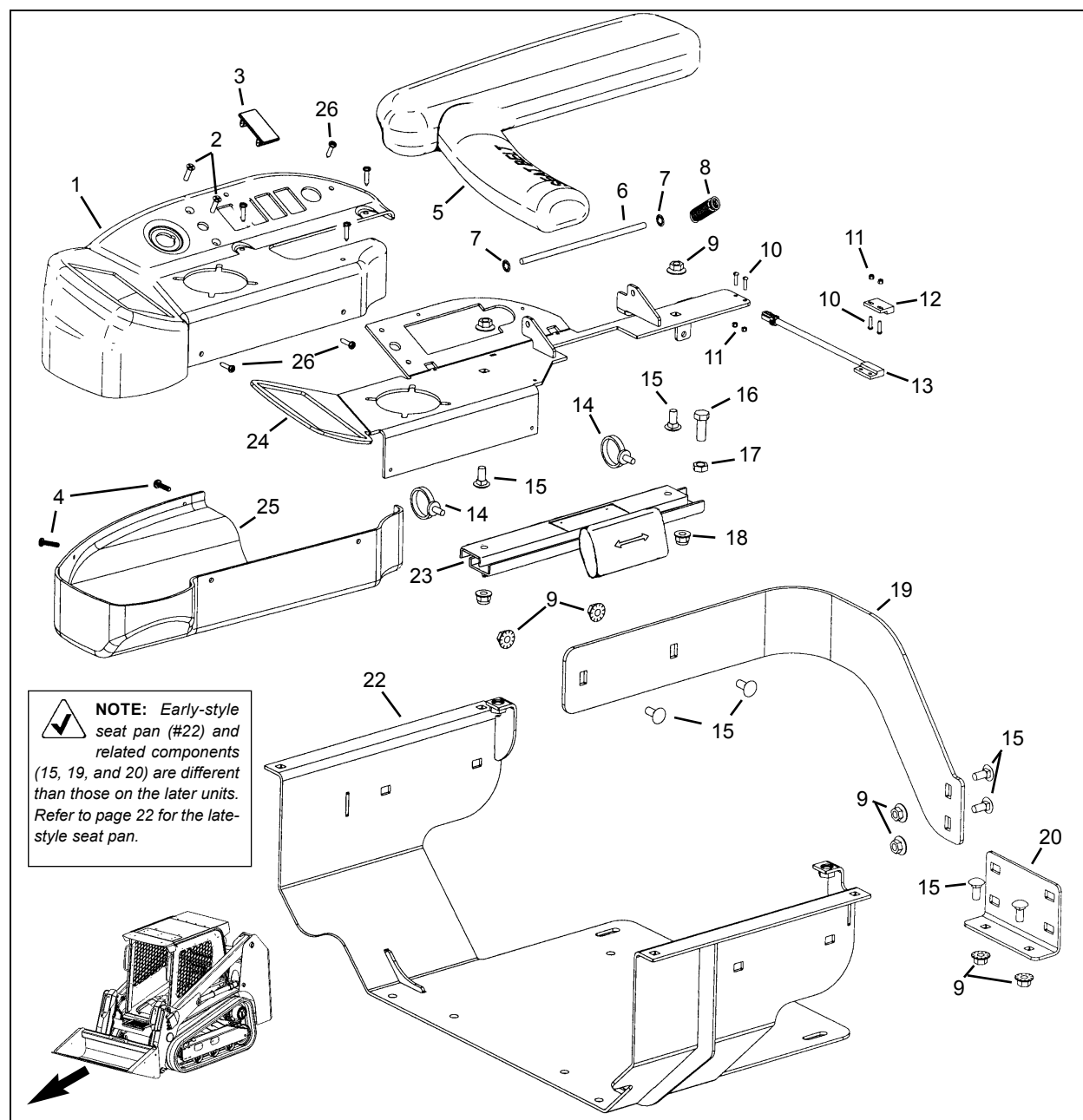
Item No.	Part No.	Description	Qty.
01	50303477	COVER, JOYSTICK (LH)	1
02	273071	SCREW, TPH TF CR #1014 x 3/4"	2
03	651783	SCREW/TPH TF CR#8-32x3/4 CZY	6
04	650606	FW #8	6
05	242636	PANEL PLUG	AR
06	50303472	STOP, ARM BAR	1
07	210-19470	HN FL SLOC 5/16 CZY	2
08	273545	ARM REST (left) *	1
09	272542	BAR, ARM REST	1
10	272543	KEEPER, 0.5" SHAFT	2
11	275982	SPRING, 0.50 x 2.00 EXT.	1
12	651328	HLN INST #5-40 CZY	4
13	193157	MAGNET, SWITCH ACTUATOR	1

Item No.	Part No.	Description	Qty.
14	651212	RMS SLT #5-40 x 1/2 " CZY	4
15	276026	SWITCH, PROXIMITY	1
16	273369	CABLE TIE	2
17	210-31017	HN FL CLOC 5/16 CZY	2
18	650687	CB 5/16" x 3/4" C5ZY	2
19	271858	SLIDE, ARM REST	1
20	070648	LN LG FL SERR 5/16" CZ	2
21	275979	COVER	1
22	L51035	HTB 5/16" x 2" C5ZY	1
23	50303432	SLIDER CAP	1
24	50303458	WELDMENT, JOYSTICK MOUNT	1

* Refer to page 27; item #25 for increased operator room.

CONSOLE - RIGHT SIDE

(Early Style - See note below)



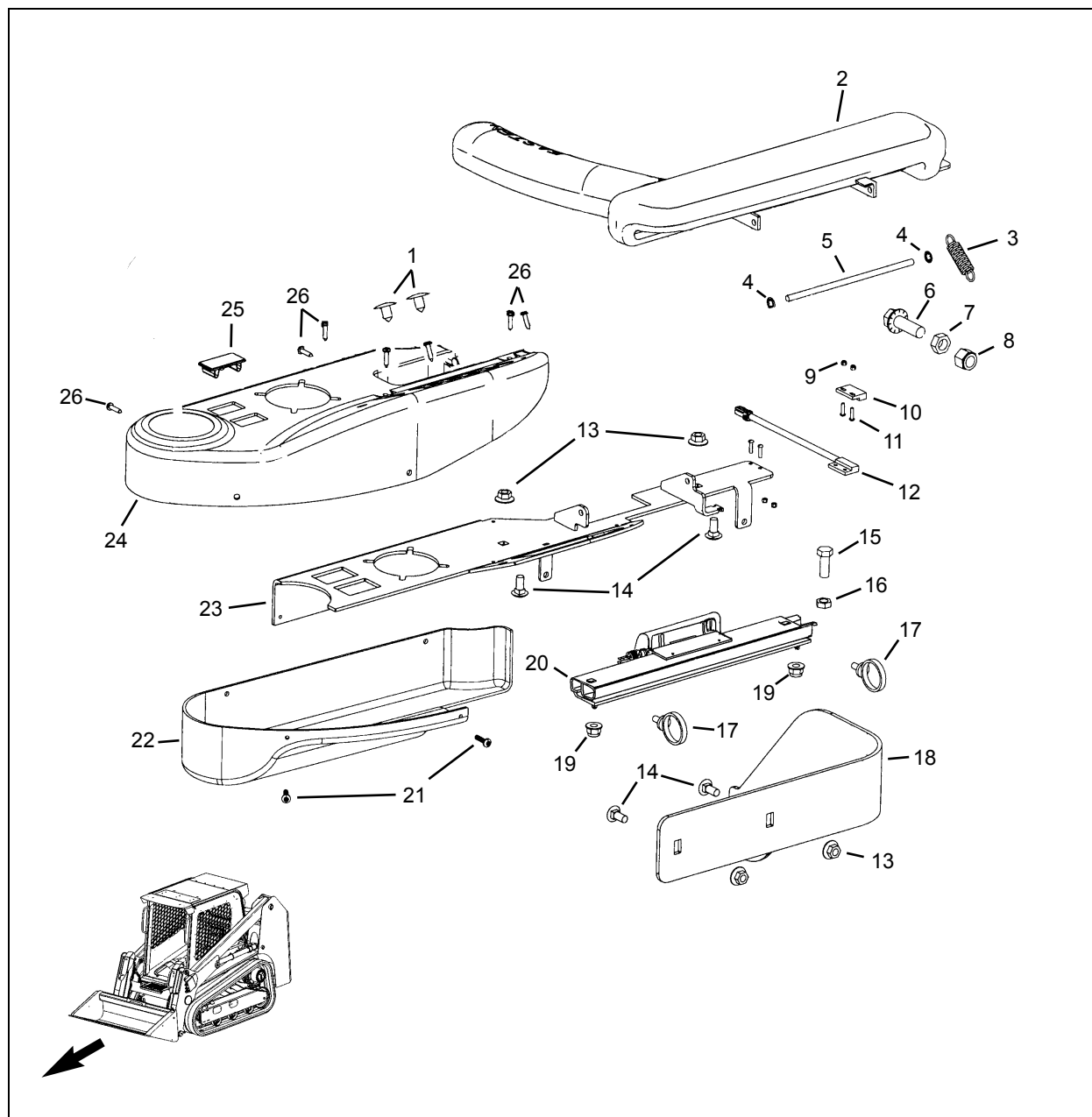
Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	274335	COVER, JOYSTICK	1	14	273369	CABLE TIE	2
02	651820	SCREW FCHM CR#10-32 x 3/4" (secures electronic hand throttle)	2	15	650687	CB 5/16" x 3/4" C5ZY	AR
03	242636	PANEL PLUG	AR	16	650490	CS 3/8" x 1" C5ZY	1
04	273071	SCREW, TPH TF CR #1014 x 3/4"	AR	17	653038	HJN 3/8 C2ZY	1
05	273214	ARM REST (right) *	1	18	070648	LN LG FL SERR 5/16" CZ	2
06	272542	BAR, ARM REST	1	19	275512	BRACKET	1
07	272543	KEEPER, 0.5" SHAFT	2	20	275980	BRACKET	1
08	275982	SPRING, 0.50 x 2.00 EXT.	1	22	275472	WELDMENT, CONTROL MOUNT	1
09	070648	LN LG FL SERR 5/16" CZ	AR	23	271859	SLIDE, ARM REST	1
10	651212	RMS SLT #5-40 x 1/2 " CZY	4	24	274940	WELDMENT, RH JOYSTICK MOUNT	1
11	651328	HLN INST #5-40 CZY	4	25	50300093	COVER	1
12	193157	MAGNET, SWITCH ACTUATOR	1	26	651783	SCREW/TPH TF CR#8-32x3/4 CZY	5
13	276026	SWITCH, PROXIMITY	1				

* Refer to page 27; item #25 for increased operator room.

RT250 - CAB

CONSOLE - LEFT SIDE

(Early Style - See Note on Facing Page)



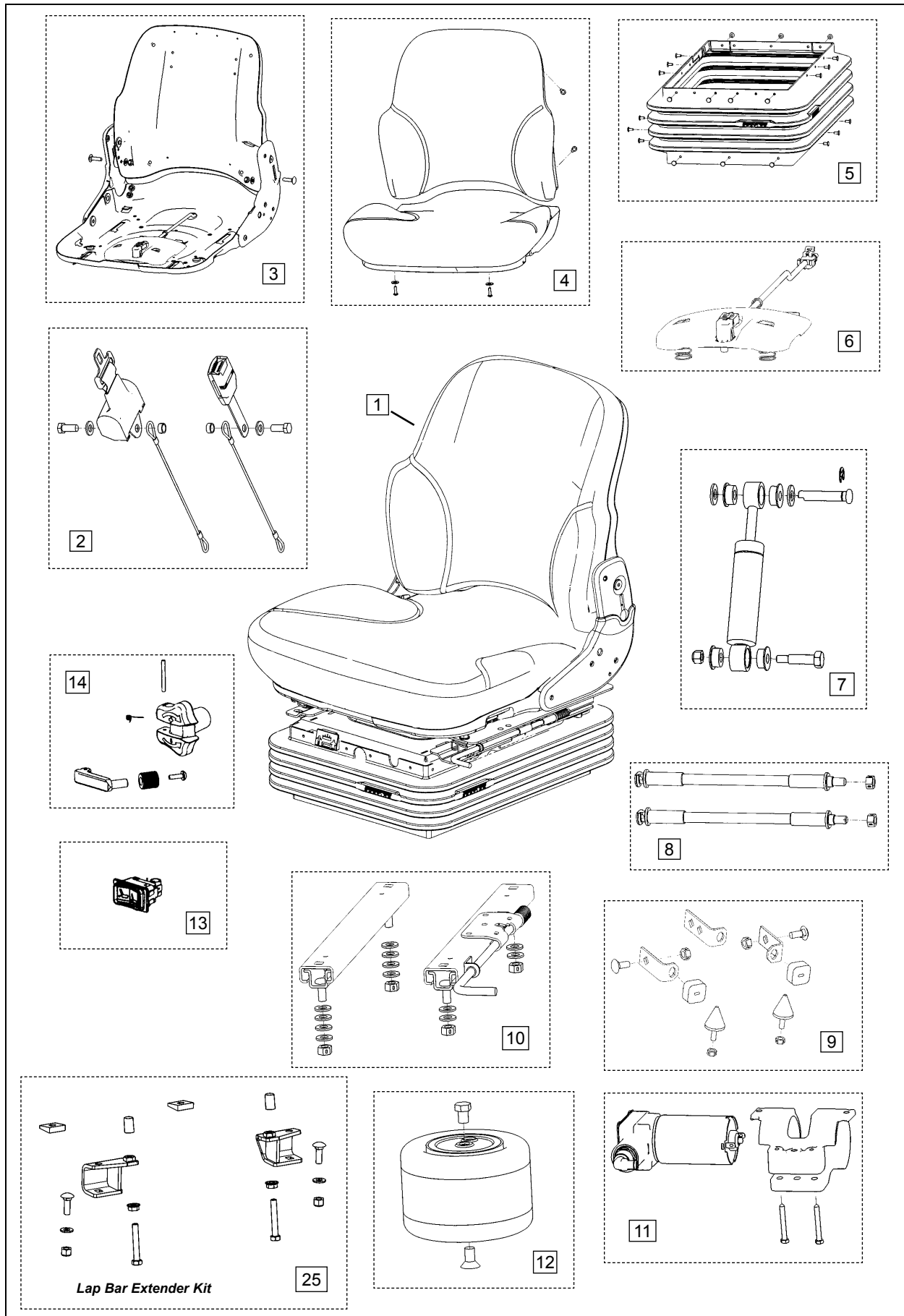
Item No.	Part No.	Description	Qty.
01	271678	PLUG	AR
02	273545	ARM REST (left) *	1
03	275982	SPRING, 0.50 x 2.00 EXT.	1
04	272543	KEEPER, 0.5" SHAFT	2
05	272542	BAR, ARM REST	1
06	081378	CS FL LOCK 1/2" x 1-1/2" C5ZY	2
07	653044	HJN 1/2 C2ZY	2
08	068034	HLN INST 1/2" CZY	2
09	651328	HLN INST #5-40 CZY	4
10	193157	MAGNET, SWITCH ACTUATOR	1
11	651212	RMS SLT #5-40 x 1/2 " CZY	4
12	276026	SWITCH, PROXIMITY	1
13	070648	LN LG FL SERR 5/16" CZ	4
14	650687	CB 5/16" x 3/4" C5ZY	4
15	650490	CS 3/8" x 1" C5ZY	1

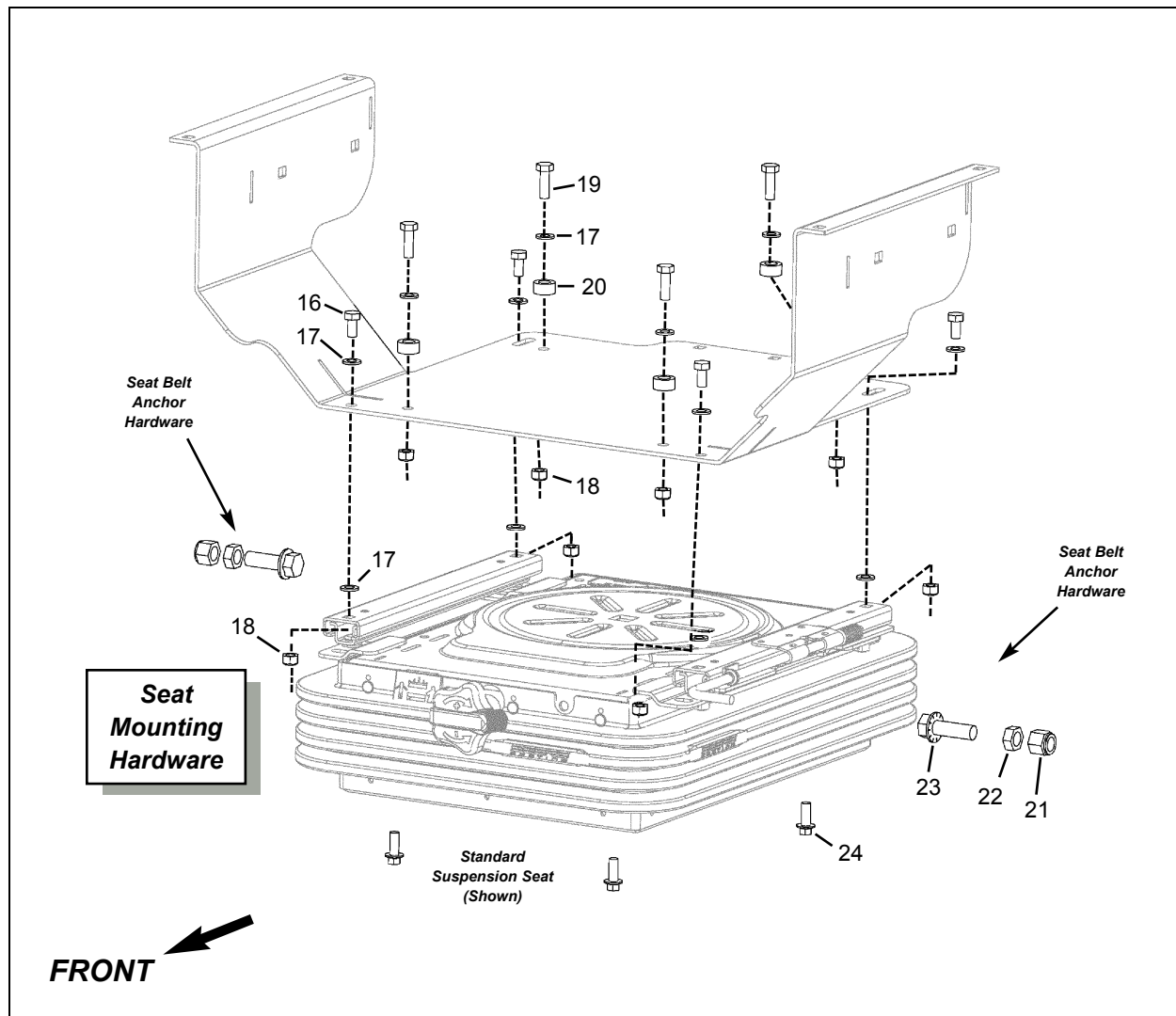
Item No.	Part No.	Description	Qty.
16	653038	HJN 3/8" C2ZY	1
17	263369	CABLE TIE	2
18	275480	BRACKET	1
19	070648	LN LG FL SERR 5/16" CZ	2
20	271858	SLIDE, ARM REST	1
21	273071	SCREW, TPH TF CR #10-14 x 3/4"	AR
22	275979	COVER	1
23	275003	WELDMENT, LH JOYSTICK MOUNT	1
24	273037	COVER, JOYSTICK	1
25	242636	PANEL PLUG	AR
26	651783	SCREW/TPH TF CR#8-32x3/4 CZY	5

* Refer to page 27; item #25 for increased operator room.

RT250 - CAB SEAT

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Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01		SEAT, SUSPENSION (<i>complete</i>)	1	14	50280458	KIT, KNOB SEAT HEIGHT ***	1
	275469	MECHANICAL (<i>standard</i>)		16	656093	CS M8-1.25x16 C8.8 ZY DIN931	4
	275515	AIR (<i>option</i>)		17	656111	FW M8 ZY DIN125	12
02	50280201	KIT, SEAT BELT 2" (<i>standard</i>)	1	18	651710	LN M8-1.25 C8 ZY DIN6925	8
	420-36087	KIT, SEAT BELT 3" (<i>option</i>)	1	19	656105	CSM8-1.25x25 C8.8 ZY DIN931	4
		(<i>See item #25 to increase the room for the operator.</i>)		20	50300483	SPACER	4
03	50280202	KIT, SEAT TOP (<i>includes item #6</i>)	1	21	068034	HLN INST 1/2 CZY	2
04	50280205	KIT, SEAT CUSHIONS *	1	22	653044	HJN 1/2 C2ZY	2
05		KIT, BOOT	1	23	081378	CSFL LOCK 1/2x1-1/2 C5ZY	2
	50280212	(<i>mechanical suspension seat</i>)		24	651689	CS FL M8-1.25x20 C8.8 ZY DIN1662	4
	50280210	(<i>air suspension seat</i>)		25	50303434	KIT, LAP BAR EXTENSION	1
06	50280204	KIT, SEAT SWITCH (<i>w/ harness</i>)	1			(<i>Provides additional room between seat and lap bar for operator.</i>)	
07	50280209	KIT, SHOCK (<i>uses only one shock</i>)	1				
08	50280211	KIT, BEARING SHAFT	1				
09	50280206	KIT, BUMPERS	1				
10		KIT, SLIDES	1				
	50280203	(<i>mechanical suspension seat</i>)					
	50280213	(<i>air suspension seat</i>)					
11	50280207	KIT, COMPRESSOR **	1				
12	50280208	KIT, AIR SPRING **	1				
13	50280457	SWITCH/VALVE **	1				

*Individual seat cushions are not sold separately; kit includes both seat cushions.

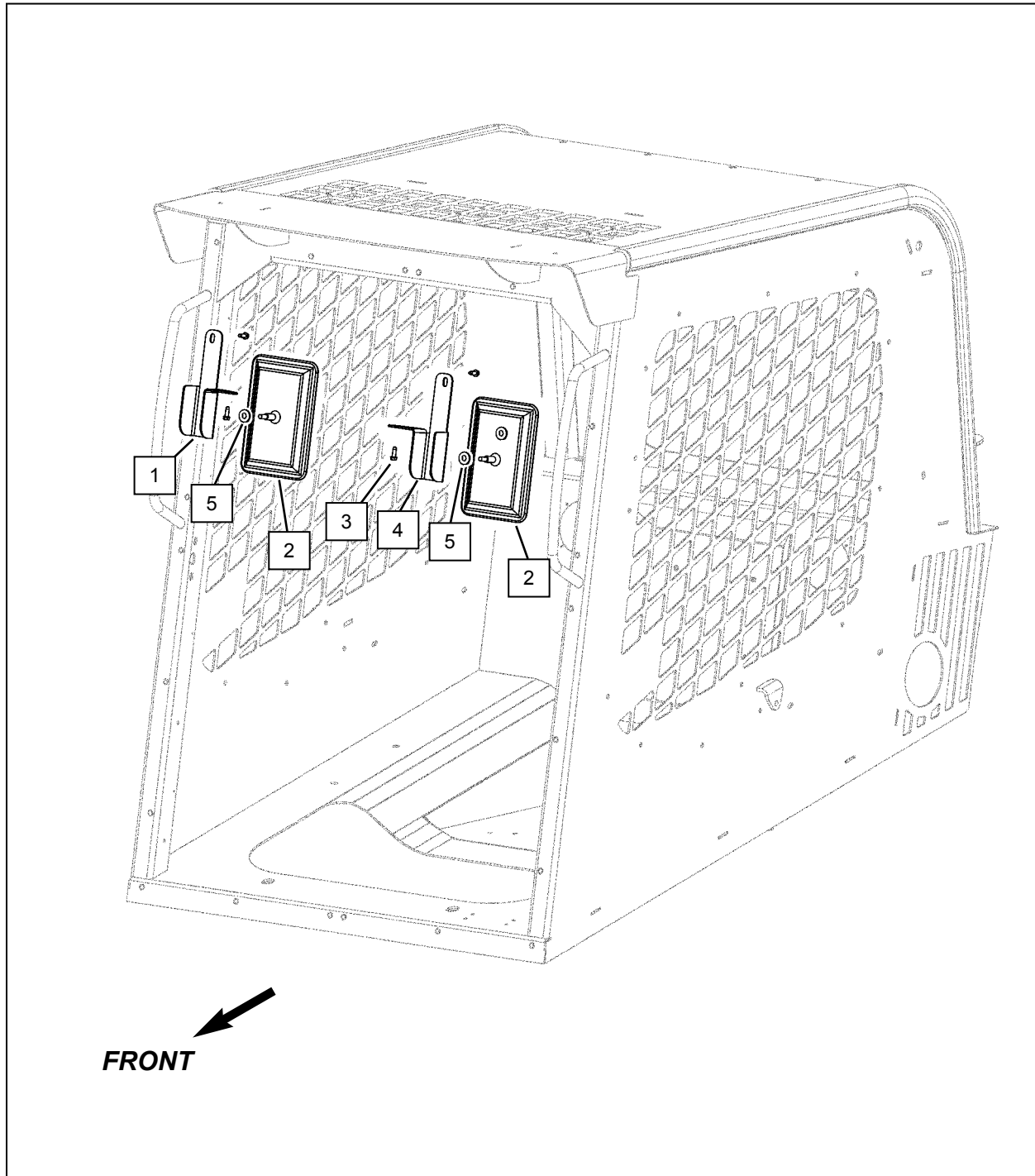
** Air suspension seat only.

*** Mechanical suspension seat only.

RT250 - CAB

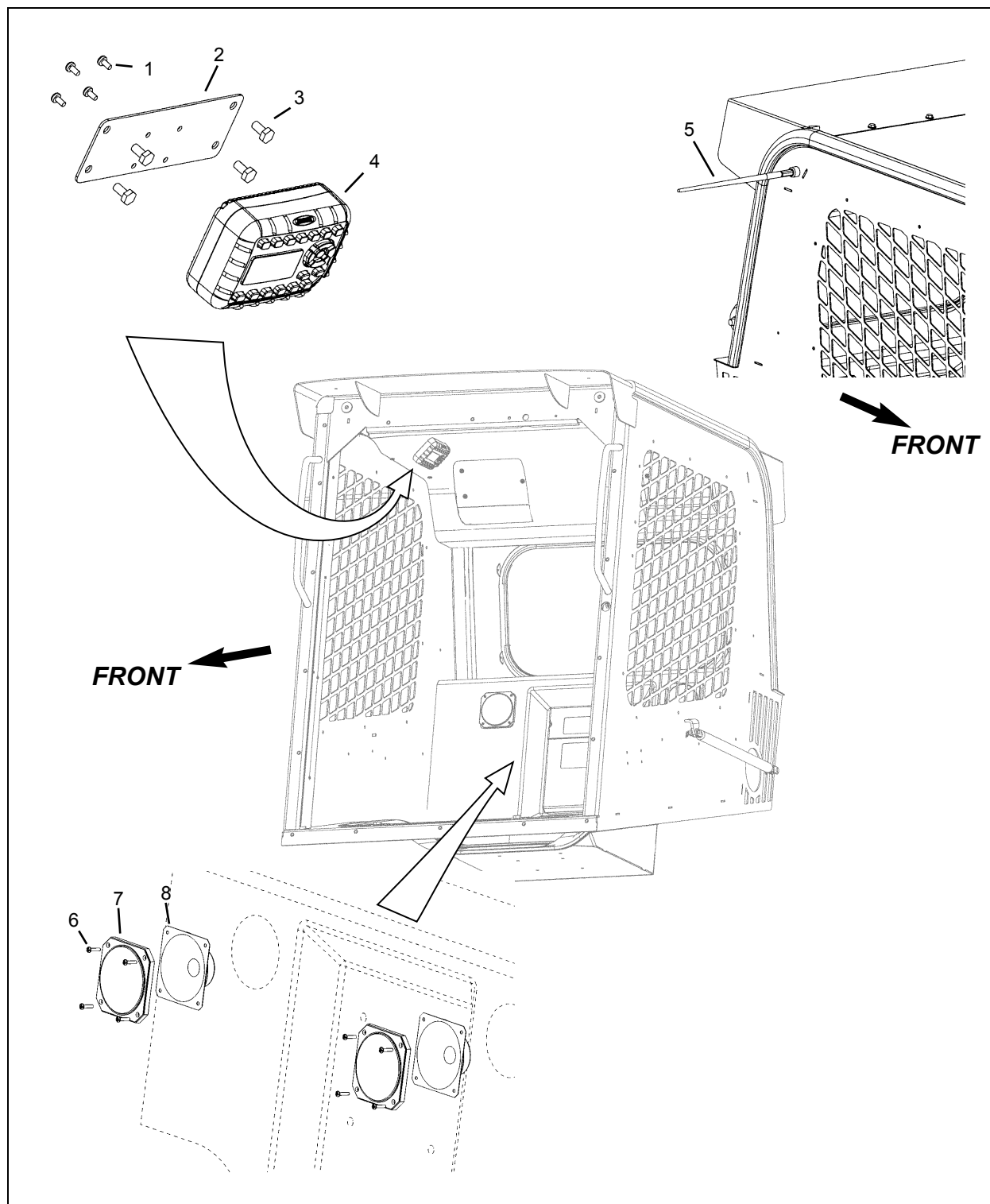
MIRROR - (OPTION)

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Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	50301078	BRACKET, MIRROR (right)	1	03	651602	SCREW/THWH1/4x3/4 CZY	4
02	50303489	MIRROR, CONVEX	2	04	50301158	BRACKET, MIRROR (left)	1
				05	650810	FW 5/16 ANZY	2

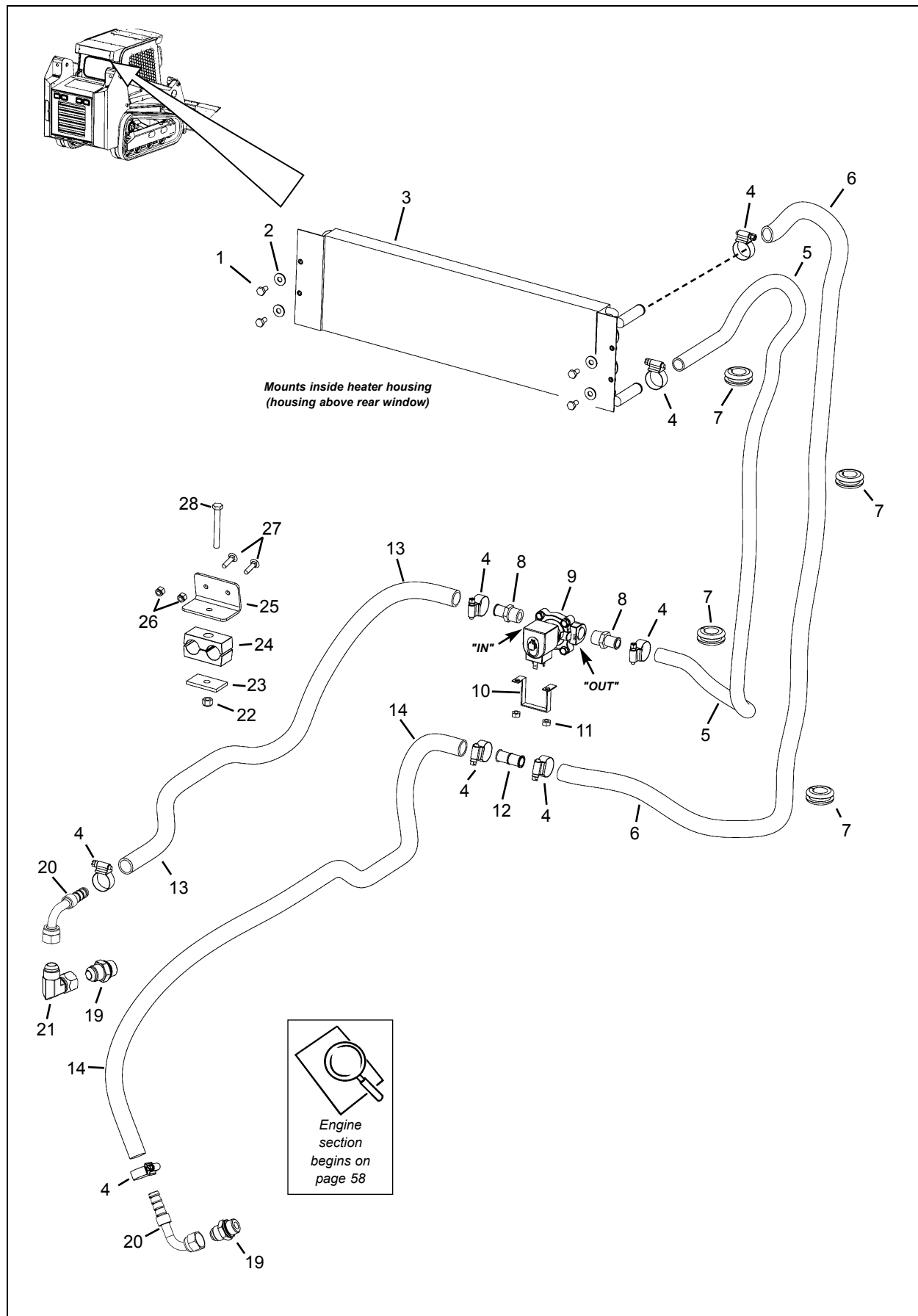
RT250 - CAB RADIO - (OPTION)



Item No.	Part No.	Description	Qty.
01	651784	PHMS CR M4-0.70 x 8 C4.8 ZY	4
02	271371	PLATE, RADIO	1
03	650542	CS 1/4" x 1/2" C5ZY	4
04	192454	RADIO, AM/FM/WB	1

Item No.	Part No.	Description	Qty.
05	184507	ANTENNA, RADIO	1
06	651778	PHMS CR #8-32 x 3/4" CBO	8
07	272029	SPEAKER GRILLE	2
08	184505	SPEAKER, RADIO - 4"	2

HEATER HOSE CIRCUIT — (OPTION)



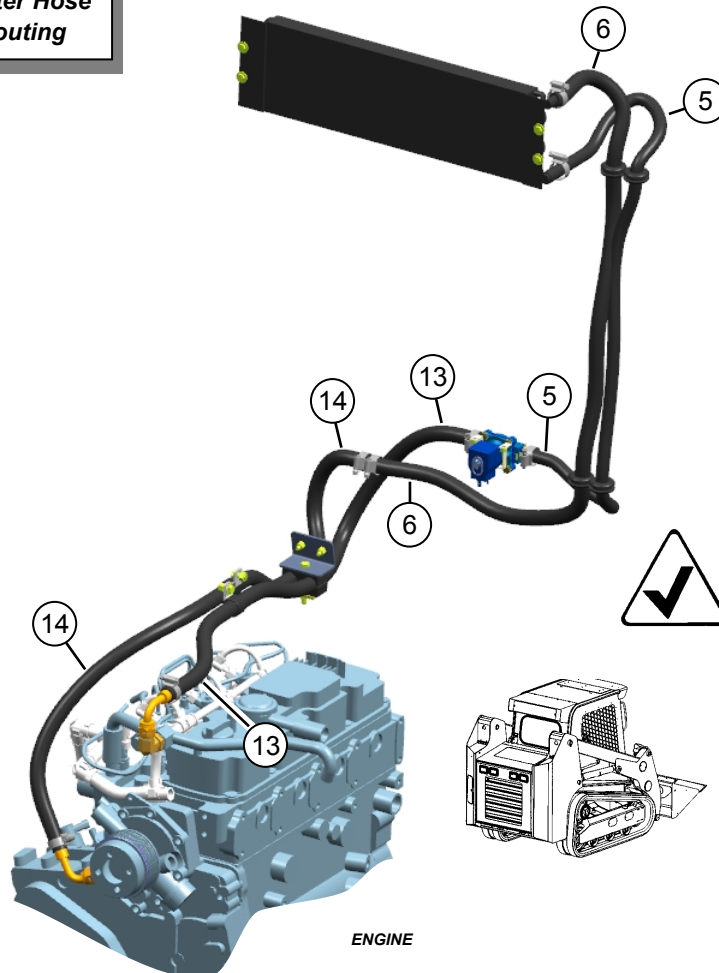
RT250 - CAB

HEATER HOSE CIRCUIT — (OPTION)

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	650542	CS 1/4 x 1/2 C5ZY	4	14	50302490	HEATER HOSE 5/8" x 47"	1
02	654002	FW 1/4 AWZY	4	19	50303155	ST MJ10-MM22 SP	2
03	271864	HEATER CORE	1	20	50302496	90 HB10-FJS10	2
04	095955	CLAMP, HOSE #10	8	21	065415	90 MJ10-FJS10	1
05	271269	HEATER HOSE 5/8" X 42"	1	22	064260	HLN INST 5/16 CZY	1
	272546	GUARD, WIRE SPRING (not shown)	1	23	079098	PLATE, TOP TWIN SIZE 2	1
06	50300588	HEATER HOSE 5/8" x 54"	1	24	271283	CLAMP, HOSE 23MM TWIN	1
	272546	GUARD, WIRE SPRING (not shown)	1	25	50302198	BRACKET, HEATER HOSE	1
07	067180	GROMMET, 0.88 IDX1.25 SPLIT	4	26	071401	HLN INST 1/4 CZY	2
08	186193	ST 1/2 MPT x 5/8 HOSE	2	27	651086	CB 1/4" x 1" C5ZY	1
09	186703	HEATER-A/C SOLENOID VALVE	1	28	650733	CS 5/16" x 2-1/2" C5ZY	1
10	186716	VALVE BRACKET	1				
11	653005	HN 1/4 C2ZY	2				
12	50300586	ST HB10-HB10	1				
13	50302483	HEATER HOSE 5/8" x 43"	1				

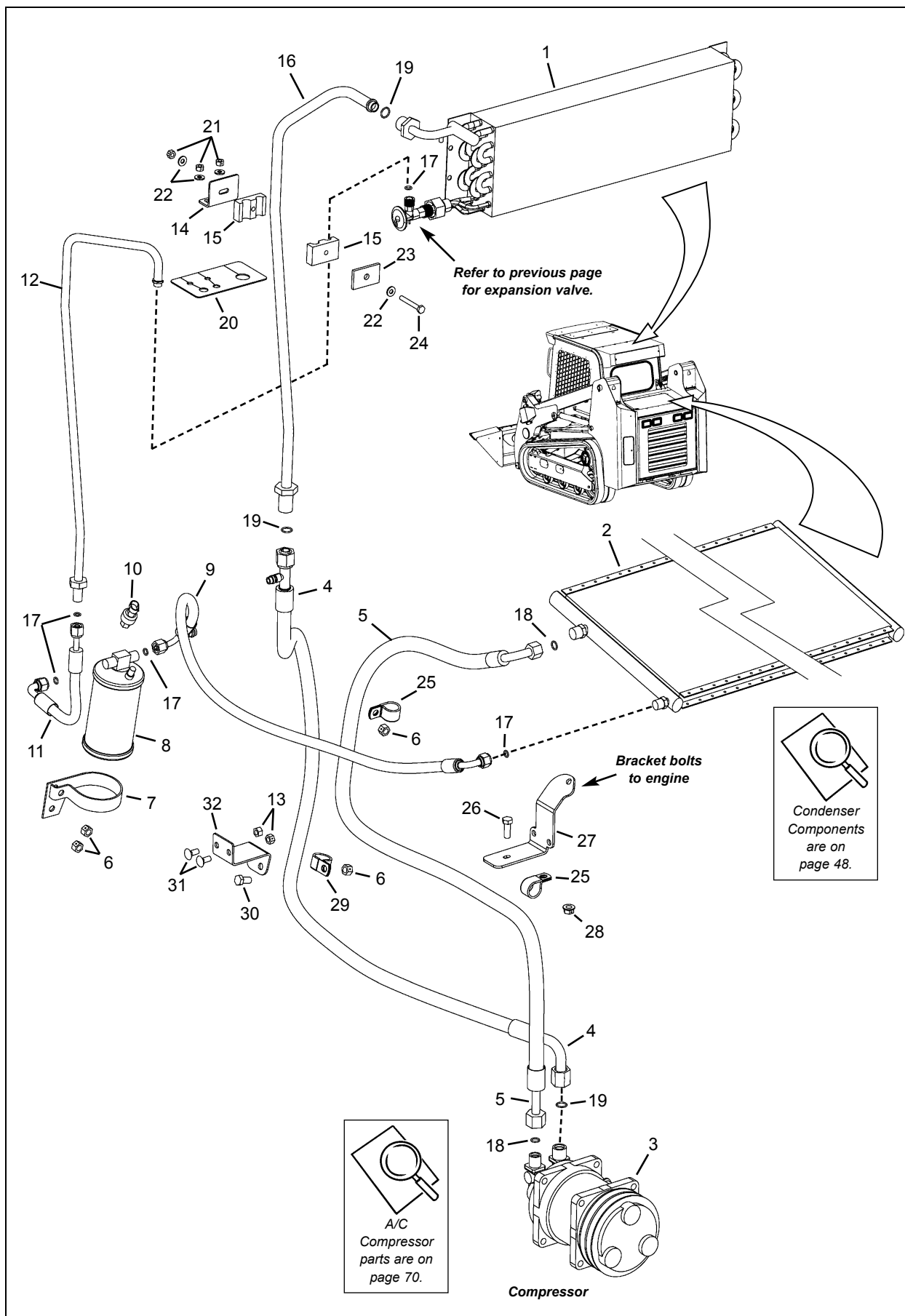
* The wire spring guard for the heater hose is used over the top of the heater hose where it enters the heater core/evaporator housing.

Heater Hose Routing



NOTE: The reference numbers shown are repeated from the facing page.

AIR CONDITIONING CIRCUIT — (OPTION)

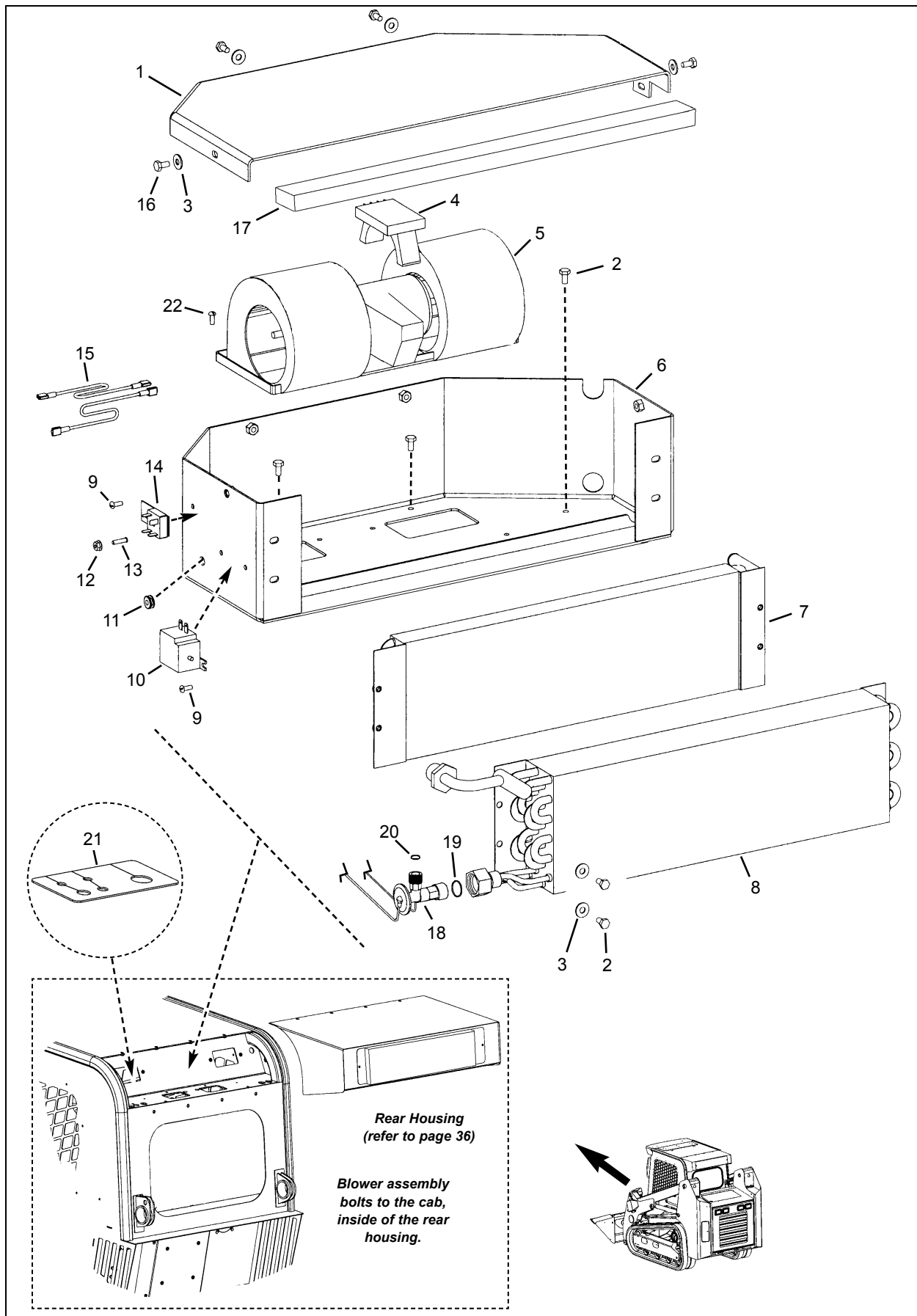


RT250 - CAB

AIR CONDITIONING CIRCUIT — (OPTION)

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	271868	EVAPORATOR	1	17	138777	O-RING, AC #6 FITTING	AR
02	L500595	CONDENSER	1	18	138778	O-RING, AC #8 FITTING	AR
03	241310	COMPRESSOR, A/C	1	19	138779	O-RING, AC #10 FITTING	AR
04	50302102	HOSE, A/C #10 x 62"	1	20	50300901	SEAL, CAB	1
05	50302103	HOSE, A/C #8 x 60"	1	21	071700	LN 1/4" CBZY	3
06	071703	LN CTR 3/8 CBZY	2	22	650863	FW 1/4" ANZY	4
07	138651	CLAMP, RECEIVER DRIER	1	23	079098	PLATE, TOP SIZE 2 - TWIN	1
08	138649	RECEIVER DRIER, A/C	1	24	650706	CS 1/4" x 2" C5ZY	1
09	50301474	HOSE, A/C #6 x 49"	1	25	L570005	CLAMP, HOSE 0.88 x 0.41	2
10	138714	SWITCH, BINARY A/C	1	26	650490	CS 3/8" x 1" C5ZY	1
11	272053	HOSE, A/C #6	1	27	50301877	BRACKET, DIPSTICK	1
12	275226	TUBE, A/C #6	1	28	210-19533	HN FL CLOC 3/8 CZY	1
13	071701	LN 5/16 CBZY	2	29	L45666	CLAMP, HOSE 1.0 x 0.41	1
14	275228	BRACKET, CLAMP MOUNT	1	30	650488	CS 3/8 " x 3/4" C5ZY	1
15	243033	CLAMP, TUBE 0.62"/0.50" TWIN	2	31	650687	CB 5/16" x 3.4" C5ZY	2
16	275225	TUBE, A/C #10	1	32	50301792	BRACKET, CLAMP	1

HEATER / AIR CONDITIONING BLOWER — (OPTION)



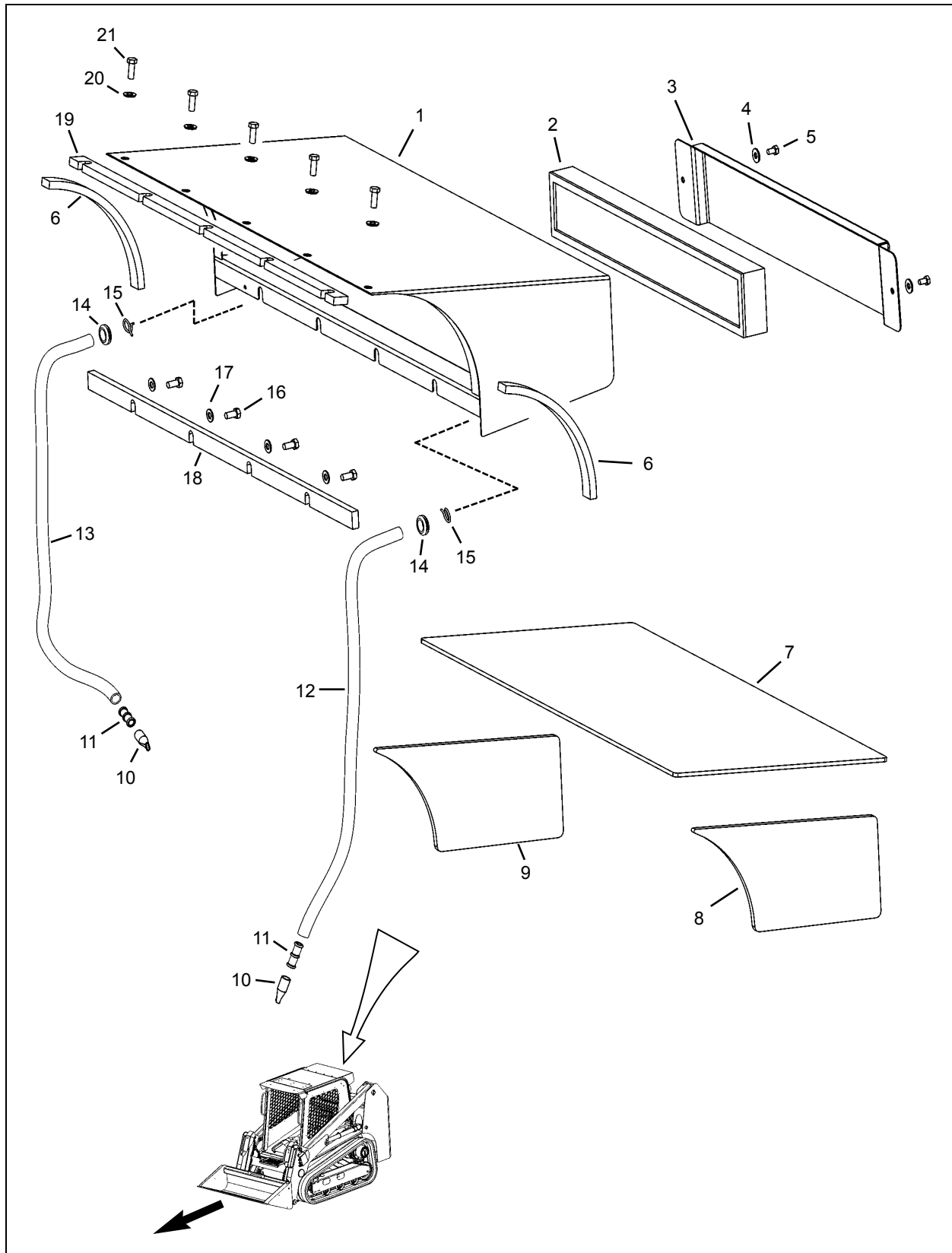
HEATER / AIR CONDITIONING BLOWER — (OPTION)

Item				Item			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
01	275597	COVER	1	13	137793	STUD, CLINCHING #10-24 **	1
02	650542	CS 1/4 x 1/2 C5ZY	AR	14	186936	RECTIFIER PACK, W/LEADS	1
03	654002	FW 1/4 AWZY	AR			(includes items 12-15)	
04	194981	BLOWER SPEED CONTROLLER	1	15	NSS	WIRE LEADS, SET **	1
05	186151	BLOWER ASSEMBLY	1	16	650663	CS 1/4 x 5/8 C5ZY	4
06	274886	WELDMENT, BLOWER BOX	1	17	275609	SEAL, FOAM	1
07	271864	HEATER CORE	1	18	L500403	EXPANSION VALVE	1
08	271868	EVAPORATOR *	1	19	L500664	O-RING, #8	1
09	650548	RHMS SLT #1024 x 1/2 CZY	2	20	138777	O-RING, AC #6 FITTING	AR
10	138623	SWITCH, PRESET COLD CONTROL *1		21	50300901	GASKET, RUBBER (A/C-Heater)	1
11	420-36134	GROMMET, 0.38ID 0.125GW 0.62GD	1	22	651195	SHCS HS #10-24 x 1/2" C	4
12	137797	HN SERR FLANGE #10-24 **	1		651203	LN #10-24 CBZY (not shown)	4

* Used on machines equipped with air conditioning.

** Included with item #14.

REAR CAB - HVAC COVER



RT250 - CAB

REAR CAB - HVAC COVER

Item No.	Part No.	Description	Qty.
01		WELDMENT, REAR BILL *	1
	50303655	<i>Refer to the illustration below</i>	
	50301820	<i>Refer to the illustration below</i>	
02	195660	FILTER, FRESH AIR	1
03	275598	COVER, FRESH AIR FILTER	1
04	654004	FW 5/16" AWZY	2
05	650484	CS 5/16" x 1/2" C5ZY	2
06	271627	SEAL, FOAM SIDE	2
07	275601	PAD, HOUSING TOP	1
08	275599	PAD, HOUSING LH	1
09	275600	PAD, HOUSING RH	1
10	187030	DRIP CAP **	2
11	244815	HOSE, MENDER 1/2" HOSE **	2
12	50303658	HOSE/HVAC DRAIN 0.5 X 30 IN. **	1
13	50303658	HOSE/HVAC DRAIN 0.5 X 30 IN. **	1
14	50303692	GROMMET, .75ID .125GW 1.0GD **	2

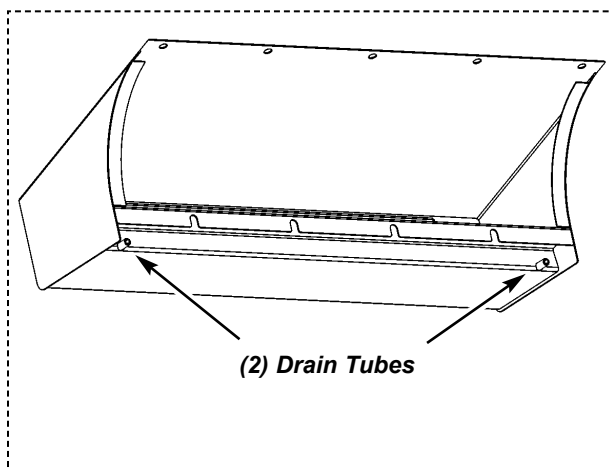
Item No.	Part No.	Description	Qty.
15	245235	CLAMP/HOSE WIRE .75 OD **	2
16	650488	CS 3/8" x 3/4" C5ZY	4
17	65049	FW 3/8" ANZY	4
18	274788	SEAL, FOAM	1
19	50301824	SEAL, FOAM TOP	1
20	135270	WASHER, SEALING 3/8"	5
21	650490	CS 3/8" x 1" C5ZY	5

*

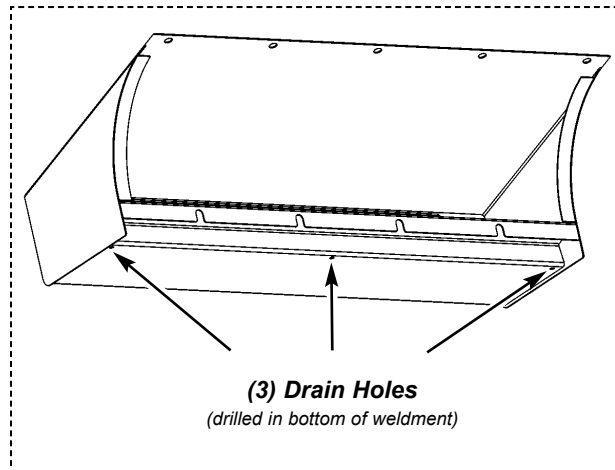


IMPORTANT: When ordering a replacement rear bill weldment be sure to determine which one to order. Earlier units use weldment PN 50301820, which has three drain holes drilled into the bottom plate. Later units use weldment PN 50303655, which has two drain tubes that use items 10-14, and item 18.

** Not used with earlier rear bill weldment 50301820.



50303655

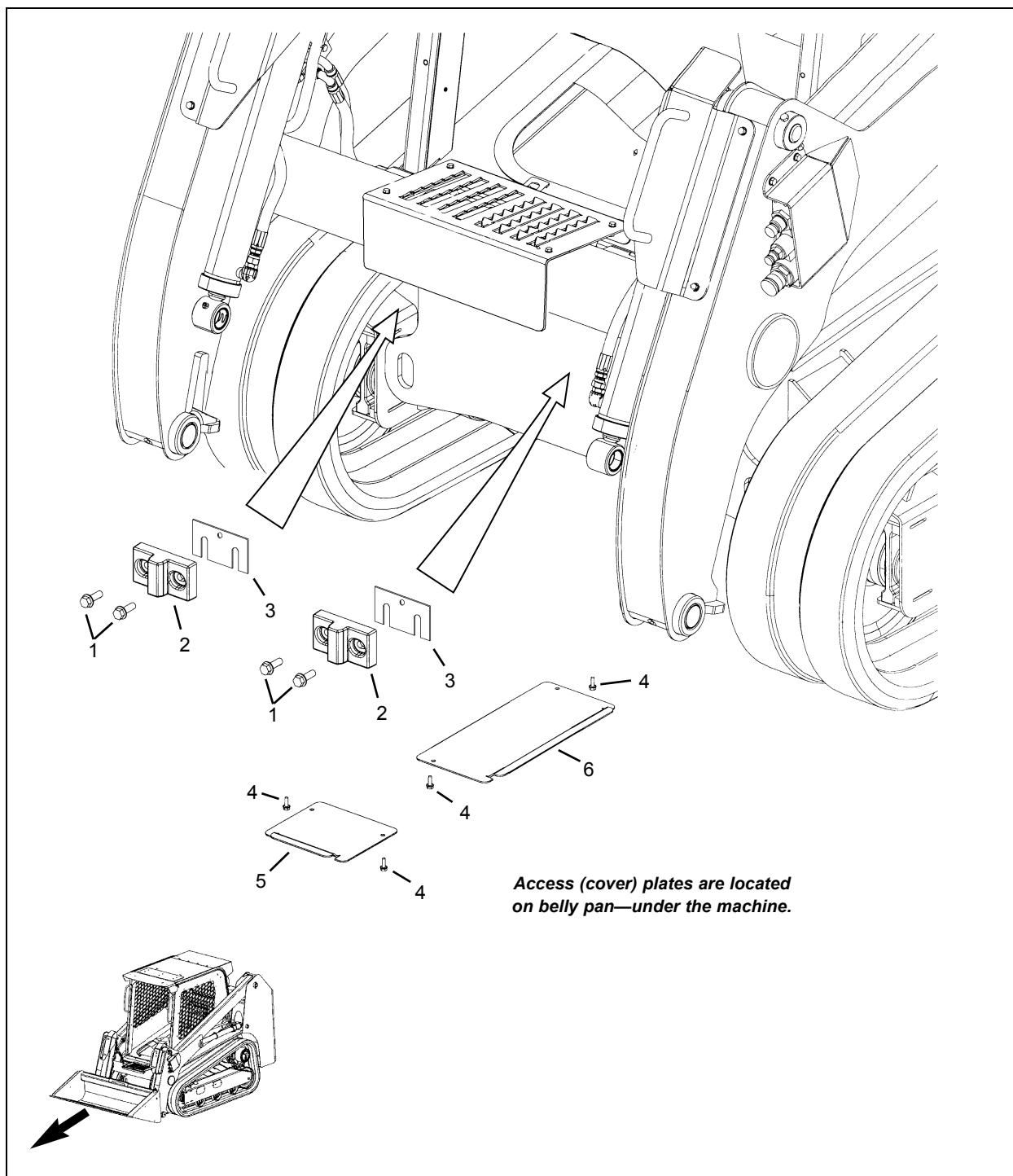


50301820

RT250 - CHASSIS

FRAME - FRONT / UNDER

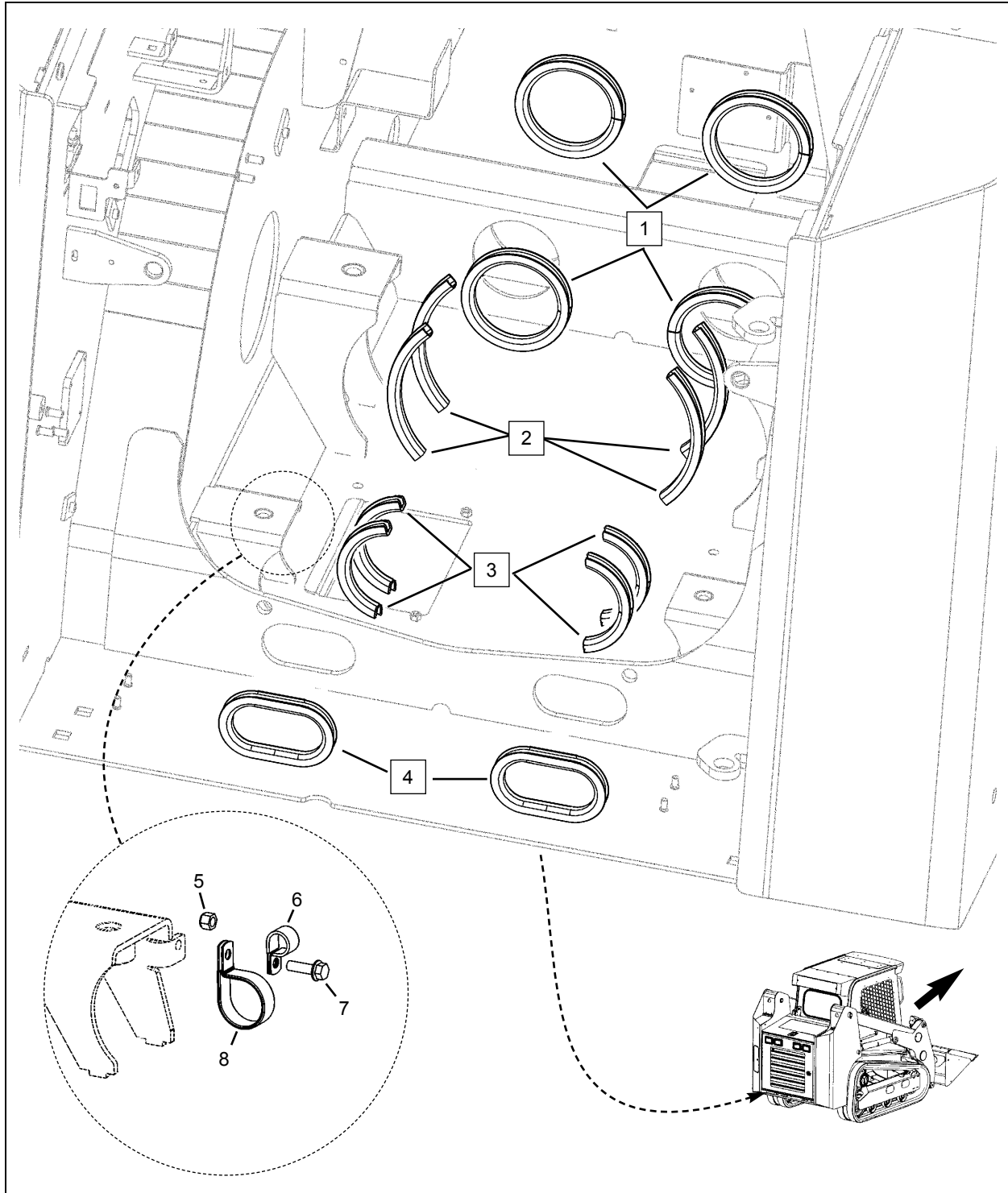
<https://truckmanualshub.com/>



Item No.	Part No.	Description	Qty.
01	50300569	CS FL LOCK 1/2" x 2" C80CG SP	4
02	273567	BLOCK, LIFT CYLINDER STOP	2
03	50300666	SHIM	AR

Item No.	Part No.	Description	Qty.
04	072916	CS FL LOCK 1/4" x 3/4" C5ZY	4
05	271222	PLATE, COVER	1
06	50302358	PLATE, COVER	1

RT250 - CHASSIS CENTER FRAME

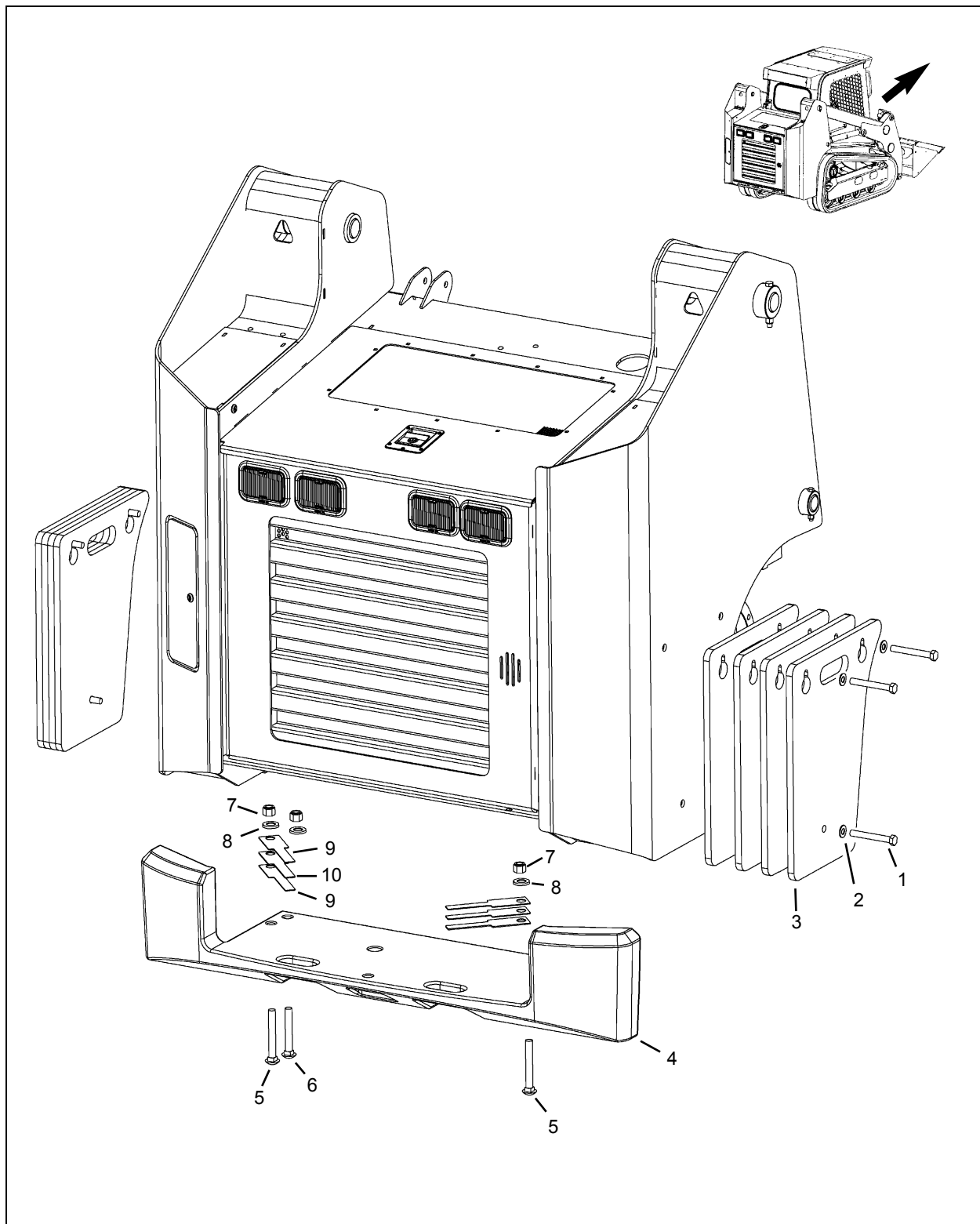


Item No.	Part No.	Description	Qty.
01	50300234	EDGE TRIM, 0.25-0.50 x 14.4 IN.	4
02	50300235	EDGE TRIM, 0.25-0.50 x 7.75 IN.	2
03	50300380	TRIM EDGE, 0.25-0.50 x 6 IN.	AR
04	50301366	EDGE TRIM, 0.25-.050 x 12.75	2

Item No.	Part No.	Description	Qty.
05	067847	HLN INST 3.8 CZY	1
06	075505	CLAMP, HOSE 0.81 x 0.41IN.	1
07	081377	CS FL LOCK 3/8x1-1/4 C5ZY	1
08	089001	CLAMP, HOSE 1.88 x 0.41 IN.	1

RT250 - CHASSIS COUNTER WEIGHTS

<https://truckmanualshub.com/>



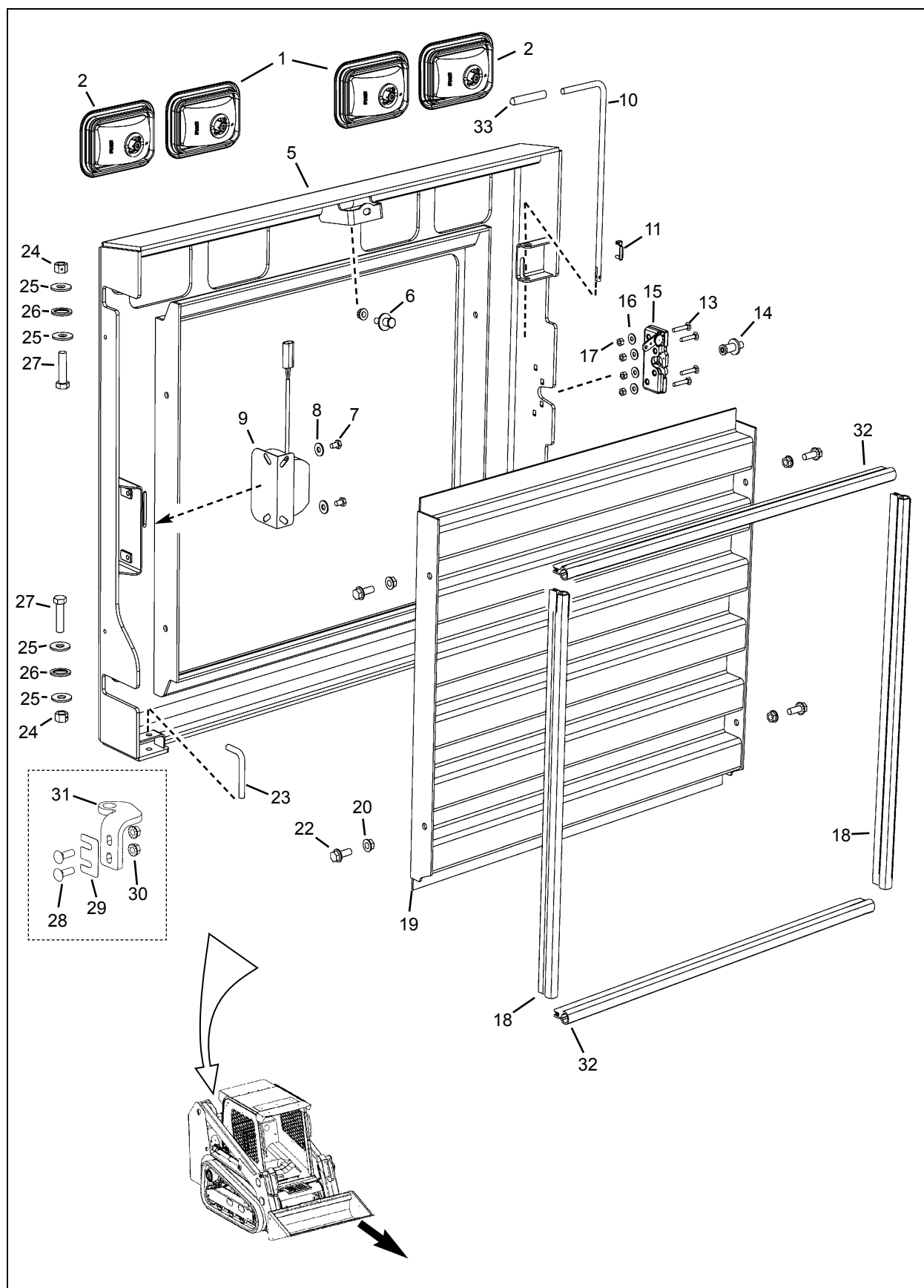
RT250 - CHASSIS COUNTER WEIGHTS

Item				Item			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
01	271601	CS 5/8 x 4 C8ORG SP	6	06	651763	CB 3/4" x 5" C5ZY	1
02	651150	FW 5/8" ANZY	6	07	079209	HLN INST 3/4" CZY	3
03	50300813	PLATE (<i>optional weight</i>) *	8	08	651564	FW 3/4" HT ZY	3
04	50300815	COUNTER WEIGHT (<i>cast</i>)	1	09	50300687	SHIM (0.0747")	4
05	651808	CB SN 3/4" x 5-1/2" C5ZY	2	10	50300686	SHIM (0.1046")	2

*  **IMPORTANT:** *If installing optional plates, be sure to install four plates on each side—do not install more than four plates or less than four plates. Failure to follow this recommendation may result in structural failure to the chassis, or damage to the hydraulic tank and other components.*

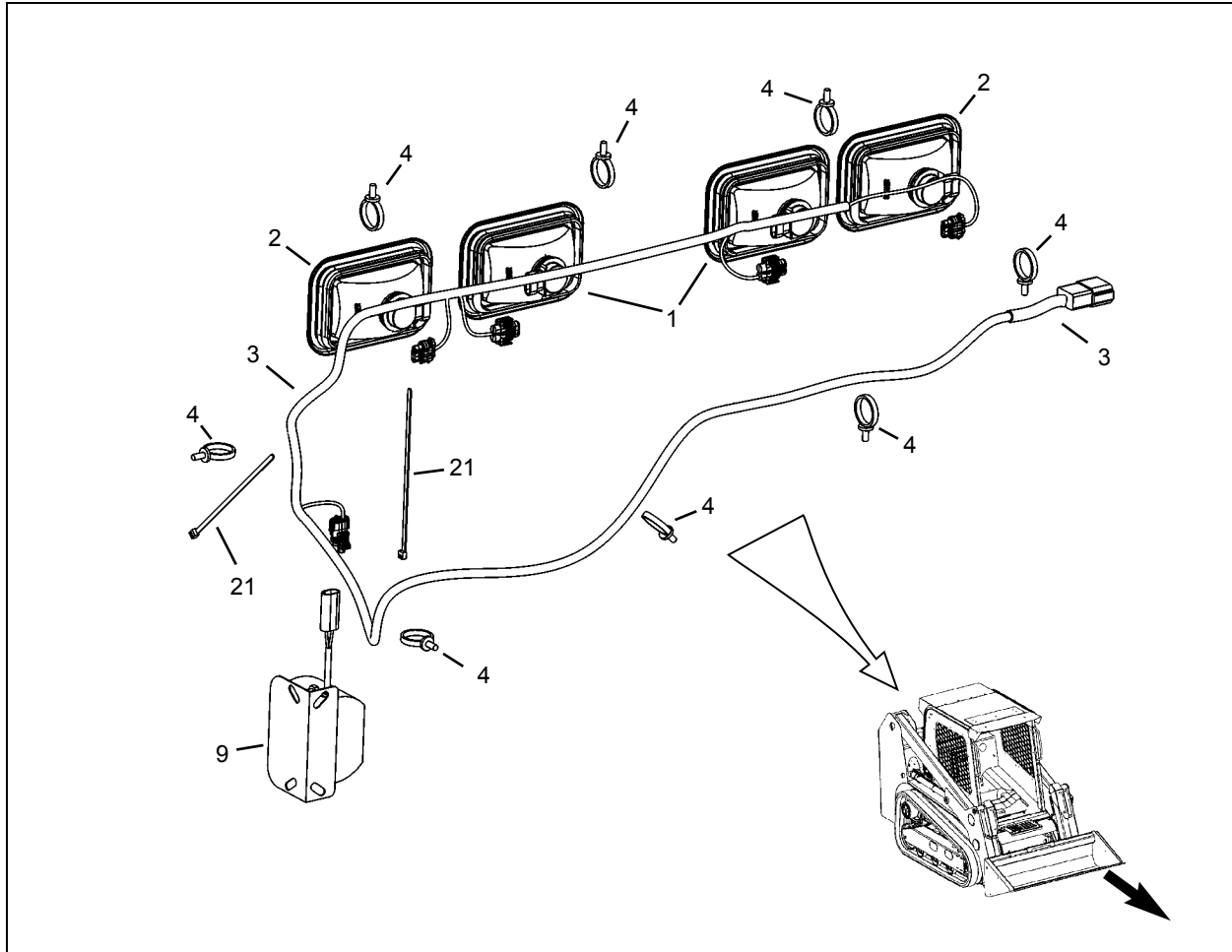
RT250 - CHASSIS REAR DOOR

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RT250 - CHASSIS

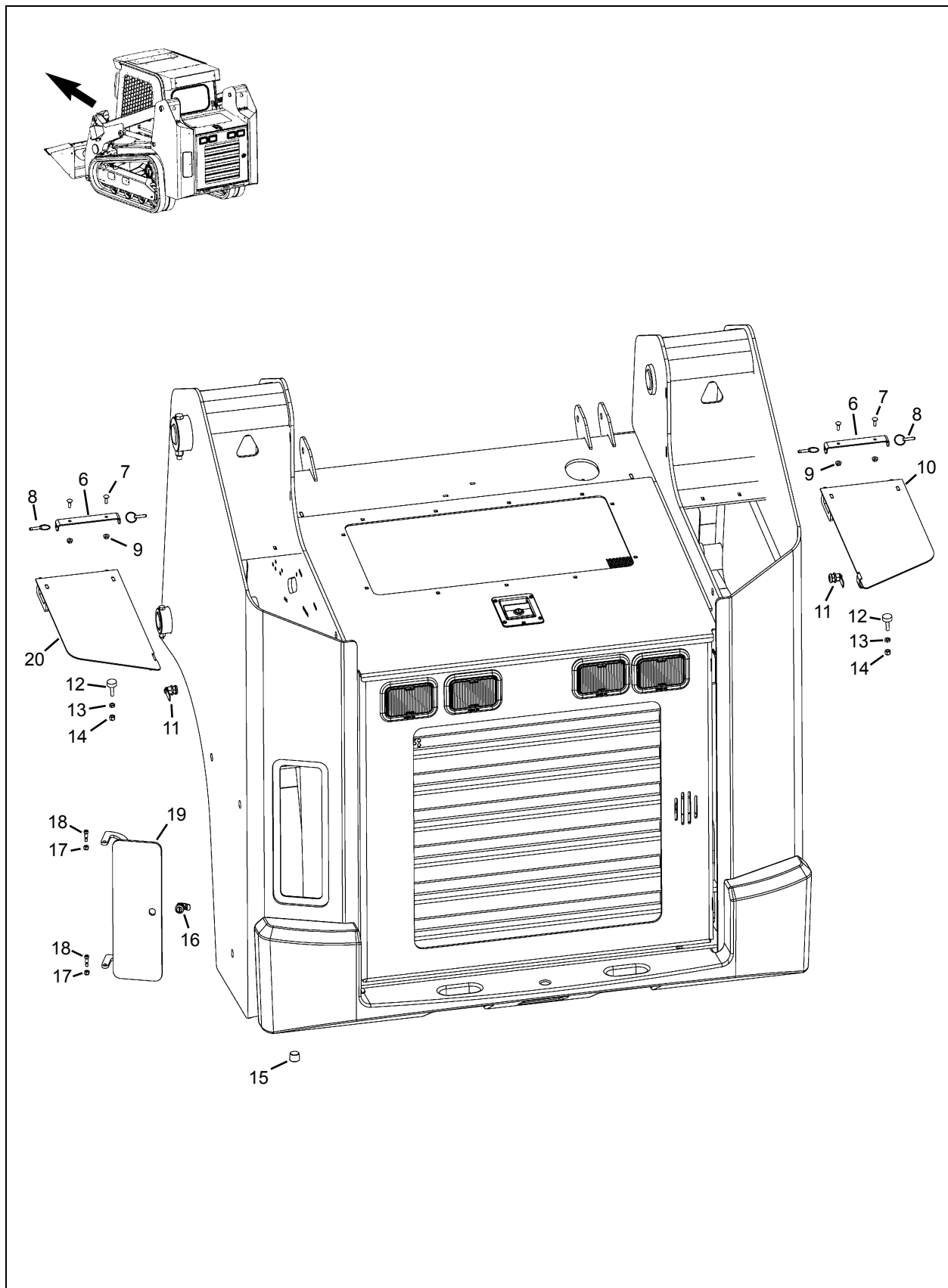
REAR DOOR



Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	271718	LIGHTS, WORK (clear lens)	2	19	50301461	GRILLE, REAR DOOR	1
	122488	BULB, 12V-38WATT (GE862) (Work light includes bezel and bulb)	AR	20	210-19533	HN FL CLOC 3/8"	4
02	271541	LIGHTS, TAIL (red lens)	2	21	055648	TIE / CABLE 0.19" x 7.5" BLACK	2
		BULB, 12V-27WATT (GE3157) (Tail light includes bezel and bulb)	AR	22	076589	CS FL LOCK 3/8" x 1" C5ZY	4
03	50301240	WIRE HARNESS, REAR DOOR	1	23	273217	ROD, DOOR STOP	1
04	273369	TIE / TREE MOUNT	8		273228	3/8" RETAINING RING (not shown)	1
05	50300983	DOOR WELDMENT, REAR	1	24	071706	LN 1/2" CBZY	2
06	104416	STRIKER	1	25	654009	FW 1/2" C5ZY	4
07	650484	CS 5/16" x 1/2" C5ZY	2	26	274717	FW 1-1/8" PLASTIC	2
08	654004	FW 5/16"	2	27	650585	HN 1/2" C2ZY	2
09	135727	BACK-UP ALARM	1	28	650834	CB 1/2" x 1-1/2" CBC	2
10	272750	HANDLE, REAR DOOR	1	29	275174	SHIM, 0.1345"	AR
11	272972	CLIP	1		275175	SHIM, 0.1046"	AR
13	137959	CB 1/4" x 1-1/4" CBC	4		275176	SHIM, 0.0598"	AR
14	272822	STRIKER	1		275177	SHIM, 0.0359"	AR
15	271024	LATCH, REAR DOOR	1	30	081374	HN FL SLOC 1/2" CZY	2
16	654002	FW 1/4" AWZY	4	31	275135	BRACKET, REAR DOOR (hinge)	1
17	071700	LN 1/4" CBZY	4	32	50302464	BULBSEAL, 1/4" x 28.0"	2
18	50301468	BULBSEAL, 1/4" x 25.5"	2	33	50303838	SLEEVE, PLASTIC (protects handle)	1

RT250 - CHASSIS REAR ACCESS DOORS

<https://truckmanualshub.com/>

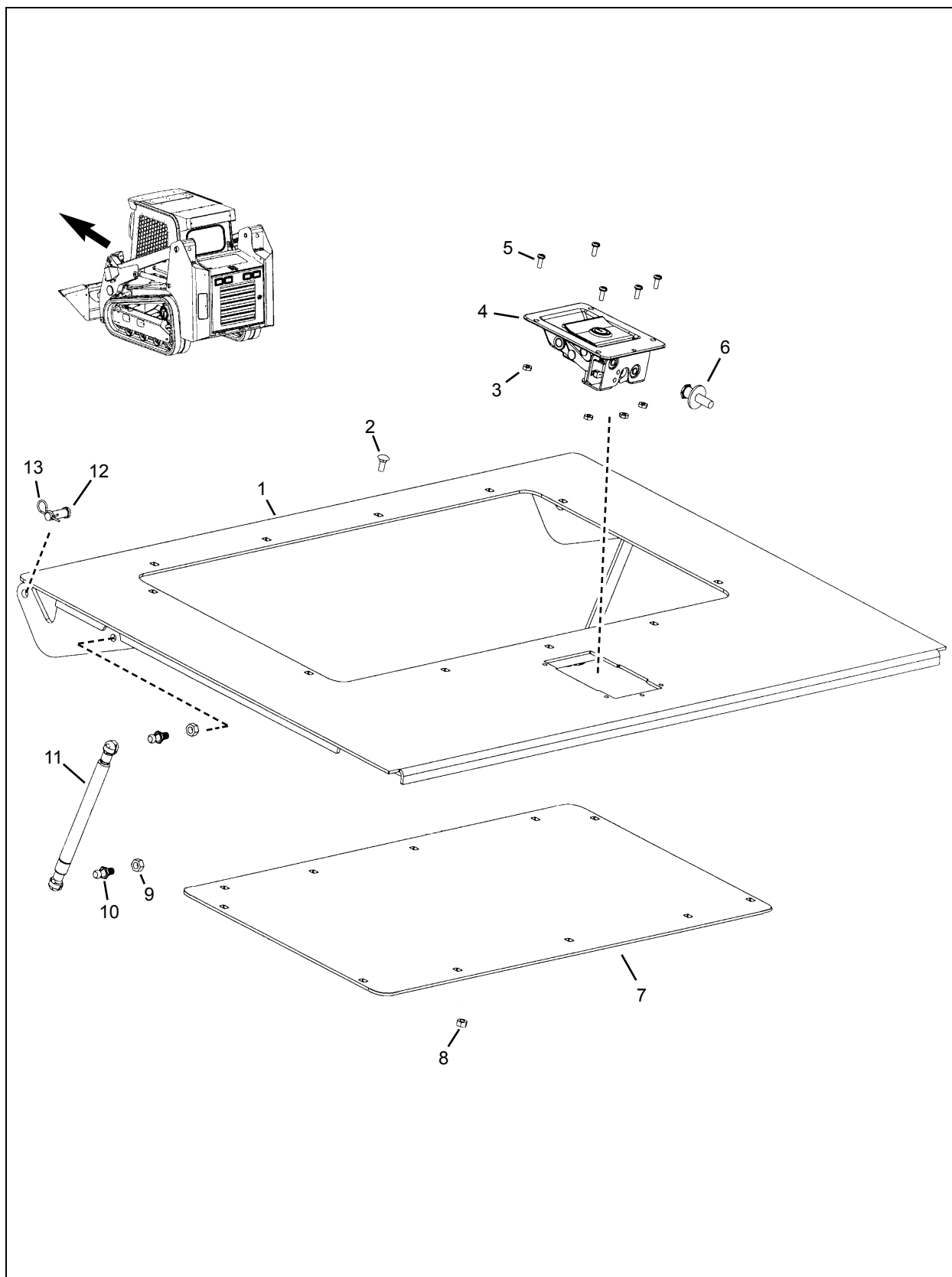


RT250 - CHASSIS REAR ACCESS DOORS

Item				Item			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
06	50300863	HINGE	2	16	271869	CAM LOCK	1
07	650758	CB 1/4" x 3/4" C5ZY	4	17	071401	HLN INST 1/4" CZY	4
08	274655	PIN, 1/4"	4	18	50300223	SCREW, SHOULDERED 5/16" x 1/2"	2
09	210-32184	HN FL CLOC 1/4" CZY	4	19	271503	WELDMENT, TOOL BOX DOOR	1
10	50300881	DOOR, RIGHT	1	20	50300862	DOOR, LEFT	1
11	273576	LOCK CAM	2	-- ITEMS NOT SHOWN --			
12	131913	BUMPER	2	- -	192182	PLUG, RUBBER	1
13	653034	HJN 5/16 C2ZY	2	<i>(Located inside left tool box under the battery on the front wall of the tool box.)</i>			
14	064260	HLN INST 5/16 CZY	2				
15	184670	PLUG, SQ MP12	1				

* For replacement key, order P/N 50280186.

REAR HOOD - (NO AIR CONDITIONING)



RT250 - CHASSIS

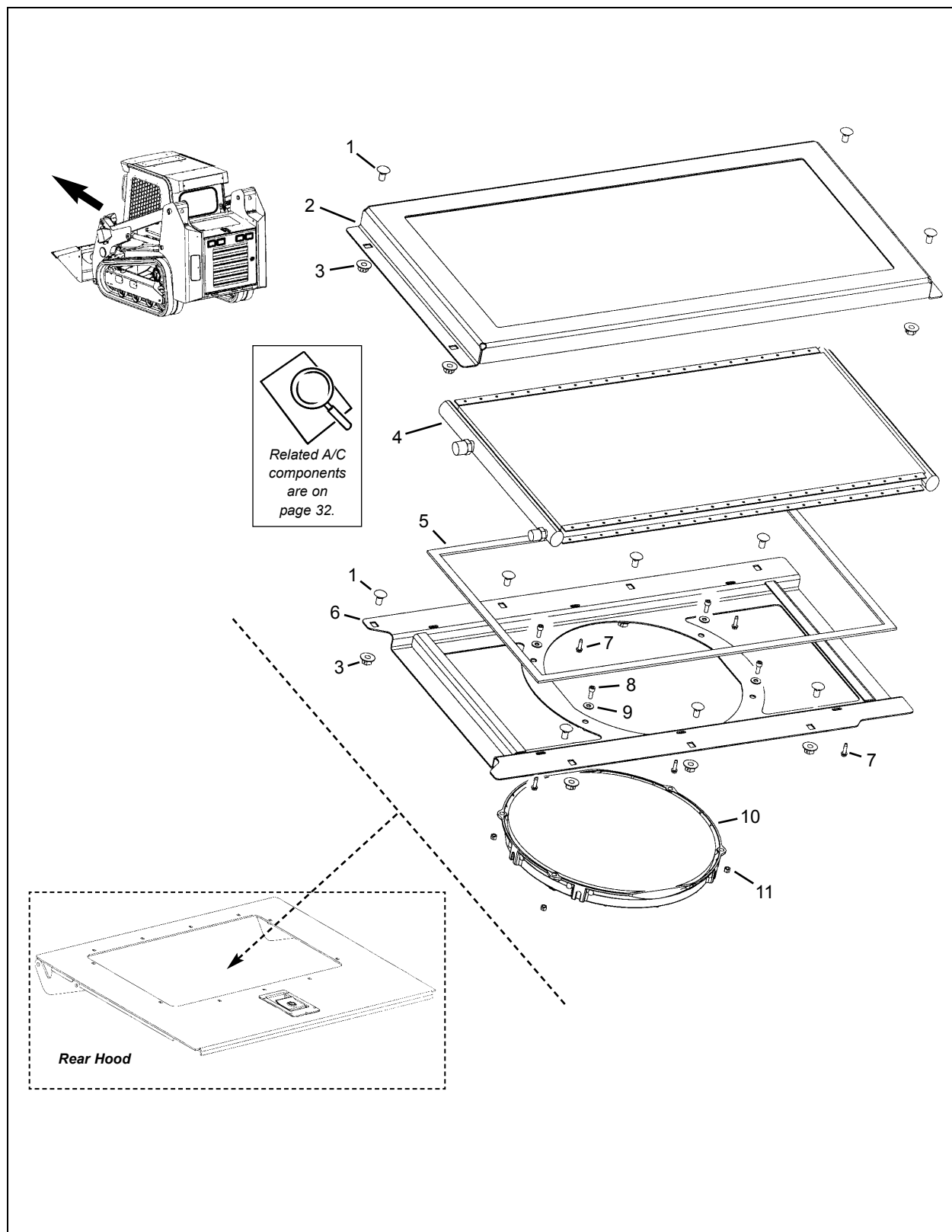
REAR HOOD - (NO AIR CONDITIONING)

Item			
No.	Part No.	Description	Qty.
01	50301072	HOOD, REAR	1
02	650969	CB SN 5/16 x 5/8 C5ZY	11
03	651203	LN #10-24 CBZY	5
04	271025	LATCH, HOOD (<i>includes one key</i>)	1
	50280186	KEY, 8001 (14603) (<i>not shown</i>)	1
05	651343	PHMS SLT #10-24 x 1/2" CBC	5
06	104416	STRIKER	1
07	272796	SCREEN *	1

Item			
No.	Part No.	Description	Qty.
08	210-31017	LN FL CTR 5/16 CFZY	11
09	071701	LN 5/16 CBZY	4
10	L69488	STUD, BALL	4
11	50300393	GAS CYLINDER	2
12	005073	CLEVIS PIN 3/8 x 1-1/4	2
13	071858	COTTER, HAIRPIN 1/8 x 1-15/16	2

* Not used if the machine is equipped with air conditioning, as shown on the next page.

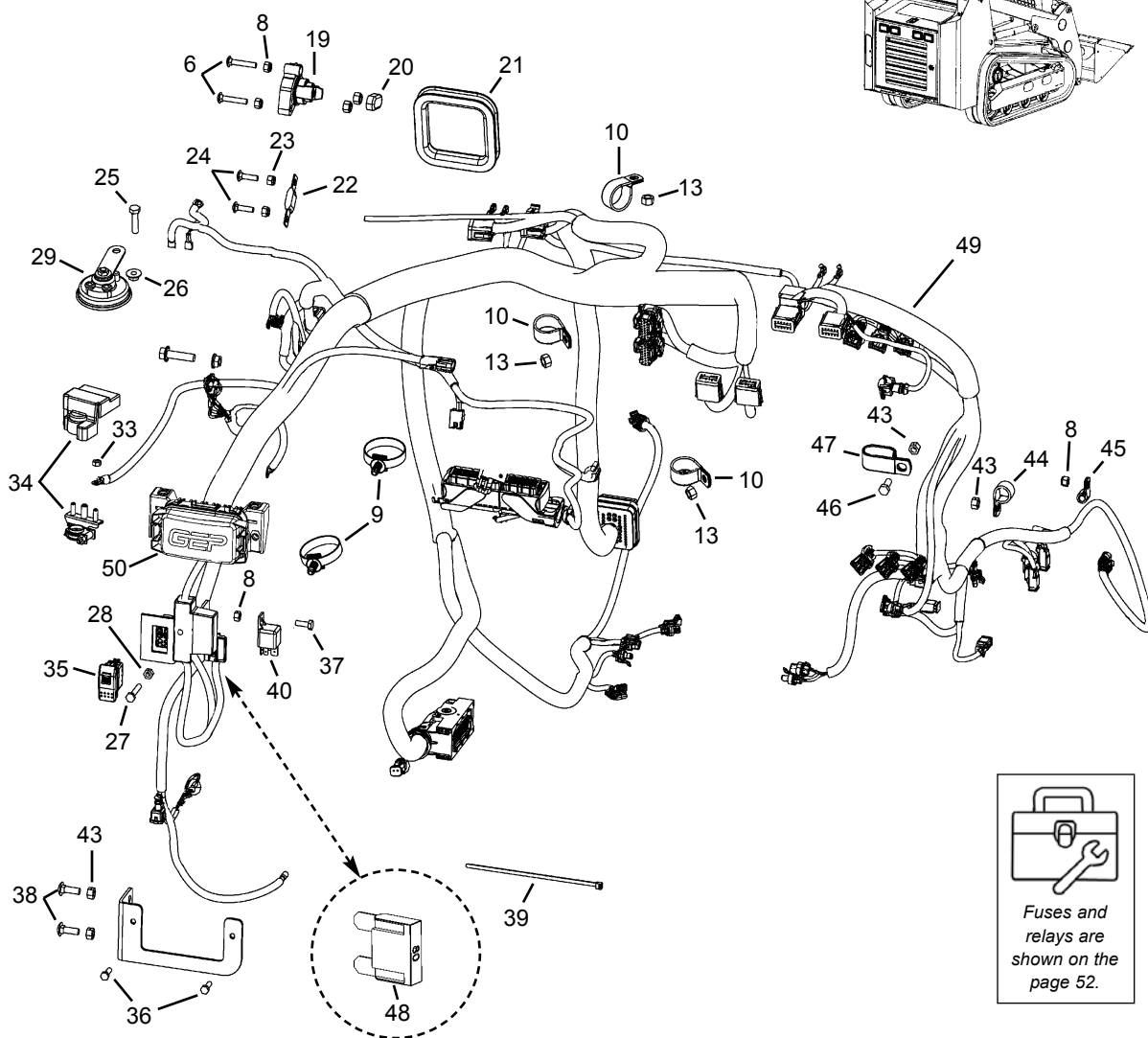
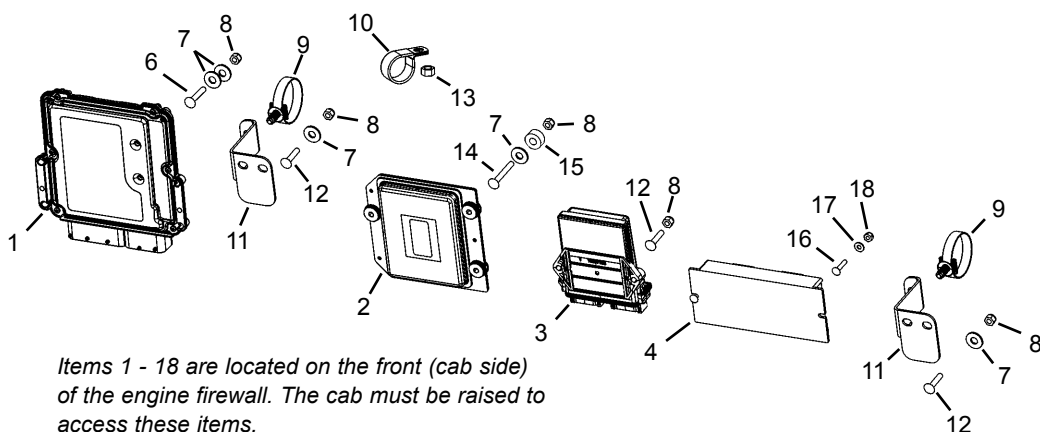
REAR HOOD - AIR CONDITIONING CONDENSER ASSEMBLY



REAR HOOD - AIR CONDITIONING CONDENSER ASSEMBLY

Item			Item		
No.	Part No.	Description	No.	Part No.	Description
		Qty.			Qty.
01	650437	CB SN 5/16 x 5/8 C5ZY	11		
02	50301472	WELDMENT, CONDENSER COVER	1		
03	210-31017	LN FL CTR 5/16 CFZY	11		
04	L500595	CONDENSER COIL	1		
05	272443	TAPE, FOAM SEALING	1		
06	50301465	WELDMENT, CONDENSER MOUNT	1		
07	310-32610	SCREW THWH TC USL #8-32 x 5/8	8		
08	651195	SHCS HS #10-24 x 1/2 C	4		
09	650580	FW 3/16 AZY	4		
10	L500594	FAN, CONDENSER	1		
11	651203	LN #10-24 CBZY	4		

CHASSIS WIRE HARNESS / COMPONENTS



RT250 - ELECTRICAL

CHASSIS WIRE HARNESS / COMPONENTS

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	50220456	ECU (<i>Electronic Control Unit</i>) *	1	25	650545	CS 5/16" x 1-1/4" C5ZY	1
02	50303584	CONTROLLER, MAESTRO II	1	26	210-31017	HN LF CLOC 5/16 CZY	1
03	273746	CONTROLLER, MAESTRO I	1	27	650588	CS 1/4" x 1-1/2" C5ZY	1
04	50303821	MODULE, CONTROL INTERLOCK	1	28	071700	LN 1/4" CBZY	1
06	137959	CB 1/4" x 1-1/2" CBC **	AR	29	183814	HORN, WARNING	1
07	654004	FW 5/16" AWZY **	AR	33	656047	HN M6-1.00 C8 ZY DIN934	1
08	071401	HLN INST 1/4" CZY **	AR	34	243319	CLAMP & COVER, BATT. POS.	1
09	50300530	TIE/CABLE 0.50x9.10	AR	35	273773	SWITCH, TRACK TENSION	1
10	095619	CLAMP, HOSE 1.25 x 0.41	AR	36	651424	CS M6-1 x 20 C8.8	2
11	50301225	BRACKET, HARNESS	2	37	650448	CS 1/4" x 3/4" C5ZY	AR
12	651094	CB 1/4" x 1-1/4" C5ZY	AR	38	650573	CB 5/16" x 1" CBZY	2
13	653010	HN 3/8" C2ZY	AR	39	055648	TIE/CABLE 0.19 x 7.50 IN. BLACK	AR
14	652140	CB 1/4" x 2" C5ZY	3	40	242146	RELAY, ISO SPST/SEALED (R1 - Main Power)	1
15	122805	SPACER/BUSHING	3	41	650835	CS 1/4" x 1" C5ZY	AR
16	50657006	CB #10-24 x 1 C2ZY	AR	42	50302492	BRACKET, FUSE BOX	1
17	650584	FW #10 AZY	AR	43	071701	LN 5/16" CBZY	AR
18	084175	HLN INST #10-24 CZY	AR	46	650486	CS 5/16" x 3/4" C5ZY	1
19	193856	SOLENOID (R12 - Glow Plugs)	1	47	132940	CLAMP, HOSE 0.81 x 0.47 IN.	1
20	195740	COVER, ELECTRICAL	1	48	242381	FUSE, MAXI 80 AMP (MAXI 1 - Main Machine Power)	1
21	275535	TRIM/EDGE 0.25-0.50 x 12.75 IN.	1	49	50300979	WIRE HARNESS, CHASSIS (Includes fuse box and the fuses and relays contained in the fuse box.)	1
22	50301357	FUSE, 100 amp / AMG (MEGA 1 - Glow Plugs)	1	50	50288219	FUSE BOX COVER (only) (included with item 49)	1
	191192	FUSE HOLDER (not shown)	1				
23	064260	HLN INST 5/16 CZY	2				
24	651086	CB 1/4" x 1" C5ZY	AR				

*

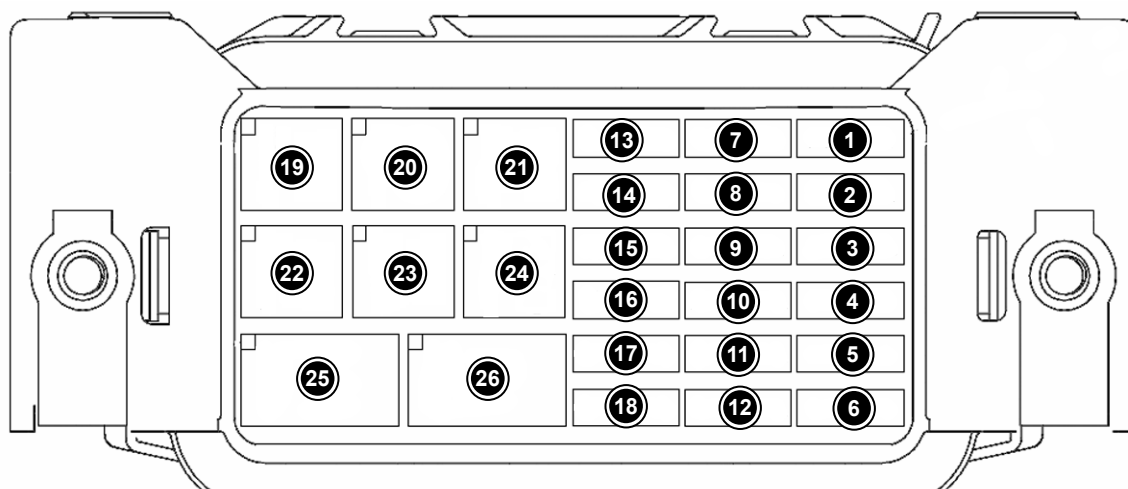


NOTE: The ECU (Item 1) is a special order item that requires programming. Please provide the engine model and serial number when placing the order for the ECU. Be aware: the programming requirements may result in a delay in obtaining this part.

**

NOTE: These items are subject to change; vibration isolating hardware may be substituted in later production machines.

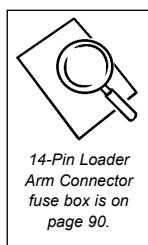
MAIN FUSE BOX / FUSES / RELAYS



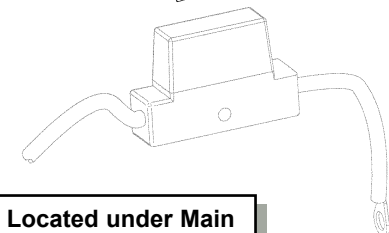
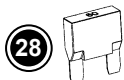
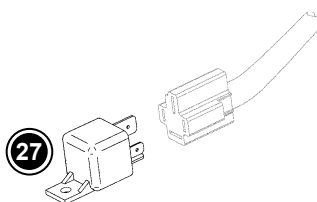
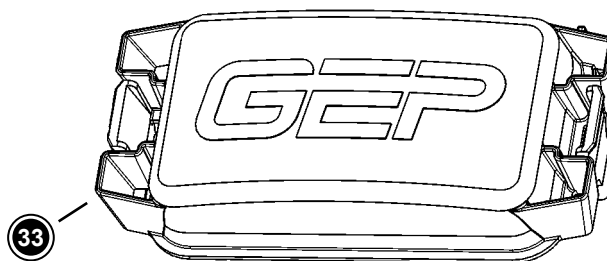
**Main Fuse Box located
at rear of machine.**
(Lift rear hood to access)



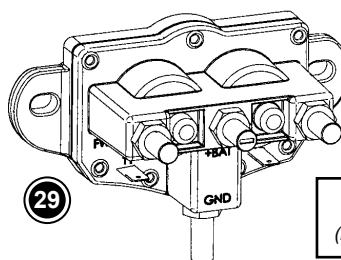
NOTE: The fuse box is not sold separately; it is included with the chassis wire harness—refer to previous page.



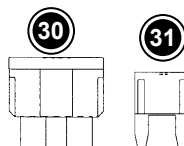
14-Pin Loader
Arm Connector
fuse box is on
page 90.



**Located under Main
Fuse Box**



Power-A-Tach™ Relay
(located on engine-side of firewall)



In-line Fuses

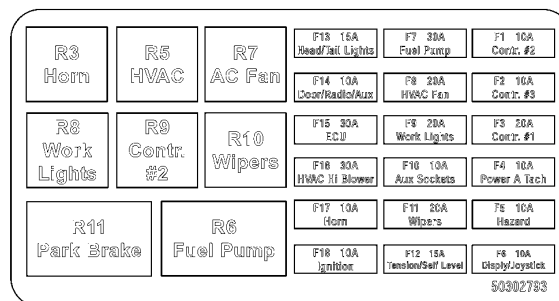
RT250 - ELECTRICAL

MAIN FUSE BOX / FUSES / RELAYS

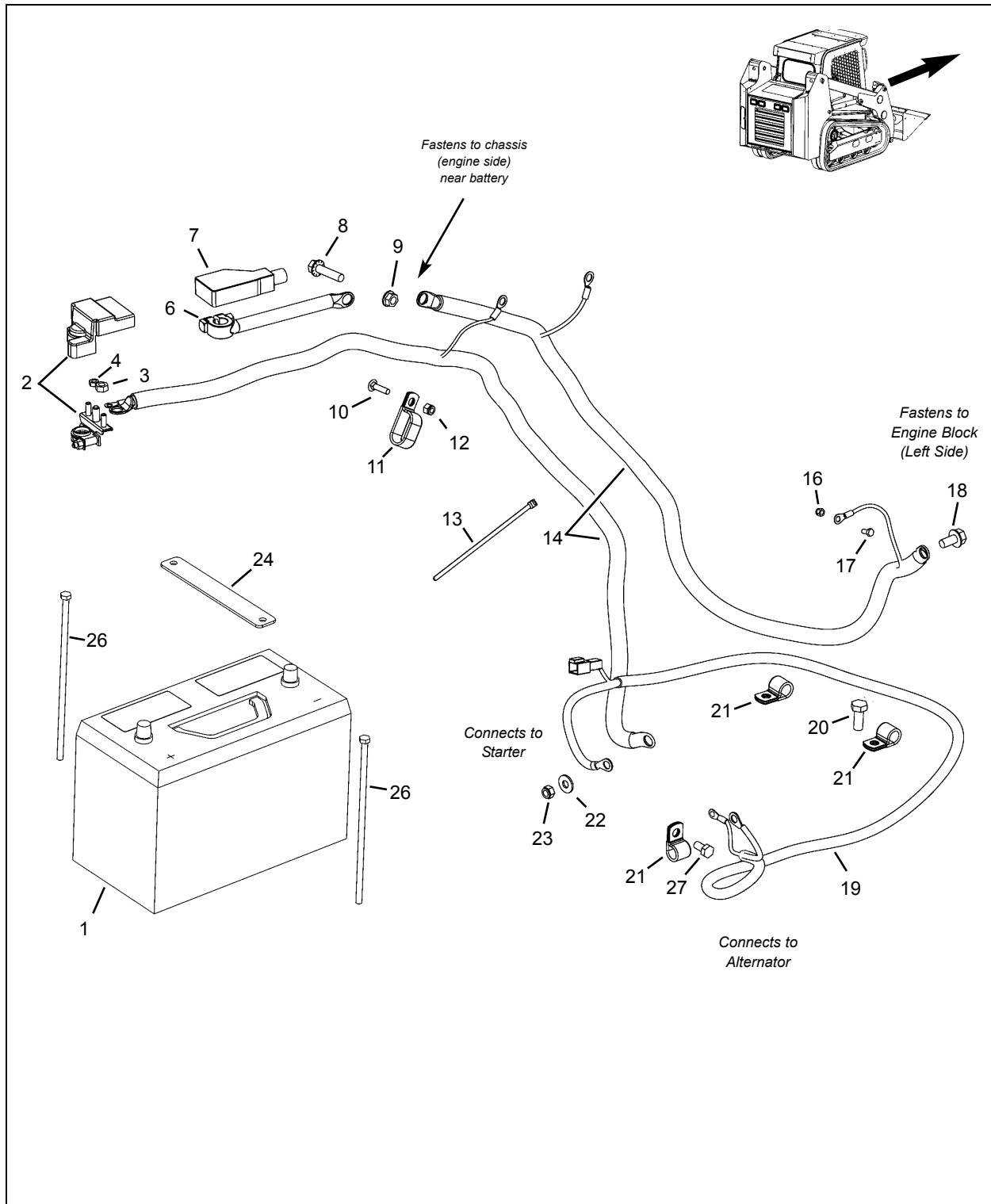
Item No.	Part No.	Description	Fuse Relay	Function
01	184631	MINI FUSE (10 AMP)	F1	CONTROLLER 2 (MAESTRO 2)
02	184631	MINI FUSE (10 AMP)	F2	CONTROLLER 3 (MARLIN I/O)
03	104769	MINI FUSE (20 AMP)	F3	CONTROLLER 1 (MAESTRO 1)
04	184631	MINI FUSE (10 AMP)	F4	PARK BRAKE RELAY; POWER-A-TACH™
05	184631	MINI FUSE (10 AMP)	F5	FLASHER CONTROLLER; HAZARD SWITCH
06	184631	MINI FUSE (10 AMP)	F6	DISPLAY; DOOR SWITCH; SEAT; JOYSTICKS
07	184627	MINI FUSE (30 AMP)	F7	FUEL PUMP
08	104769	MINI FUSE (20 AMP)	F8	CONDENSER FAN
09	104769	MINI FUSE (20 AMP)	F9	WORK LIGHTS
10	184631	MINI FUSE (10 AMP)	F10	AUXILIARY POWER OUTLETS
11	104769	MINI FUSE (20 AMP)	F11	WIPERS
12	103099	MINI FUSE (15 AMP)	F12	TRACK TENSION; SELF-LEVEL
13	103099	MINI FUSE (15 AMP)	F13	HEAD LIGHTS; TAIL LIGHTS
14	184631	MINI FUSE (10 AMP)	F14	REAR DOOR; RADIO; AUXILIARY
15	184627	MINI FUSE (30 AMP)	F15	ECU
16	184627	MINI FUSE (30 AMP)	F16	HVAC BLOWER (HIGH SPEED)
17	184631	MINI FUSE (10 AMP)	F17	HORN
18	184631	MINI FUSE (10 AMP)	F18	IGNITION
19	50220311	RELAY, ISO 280 20A/15A	R3	HORN
20	50220311	RELAY, ISO 280 20A/15A	R5	HVAC BLOWER
21	50220311	RELAY, ISO 280 20A/15A	R7	AC CONDENSER FAN
22	50220311	RELAY, ISO 280 20A/15A	R8	WORK LIGHTS
23	50220311	RELAY, ISO 280 20A/15A	R9	CONTROLLER 2
24	50220311	RELAY, ISO 280 20A/15A	R10	WIPERS
25	50288226	RELAY, ISO 280 HIGH CUR.	R11	PARK BRAKE
26	50288226	RELAY, ISO 280 HIGH CUR.	R6	FUEL PUMP
27	242146	RELAY, ISO SPST	R1	MAIN POWER
28	242381	MAXI FUSE (80 AMP)	MAXI 1	MAIN POWER
29	275380	RELAY, DPDT (30 AMP)	R13	POWER-A-TACH™ (located on engine-side of firewall)
30	L70247	ATO/ATC FUSE (30 AMP)	--	POWER-A-TACH™ IN-LINE / TROMBETTA RELAY (located in Power-A-TACH™ Wire Harness 275687)
31	50220071	MINI FUSE (3 AMP)	--	RADIO / IN-LINE (located in ROPS Wire Harness 275207)
32	50302793	DECAL, FUSE BLOCK		1
33	50288219	COVER, FUSE BOX (included with fuse box/chassis wire harness)		1



NOTE: The "FUSE/RELAY" column above identifies the fuse/relay on the electrical schematic—located in the Operator's Manual for this machine.



BATTERY CIRCUIT / ENGINE WIRE HARNESS



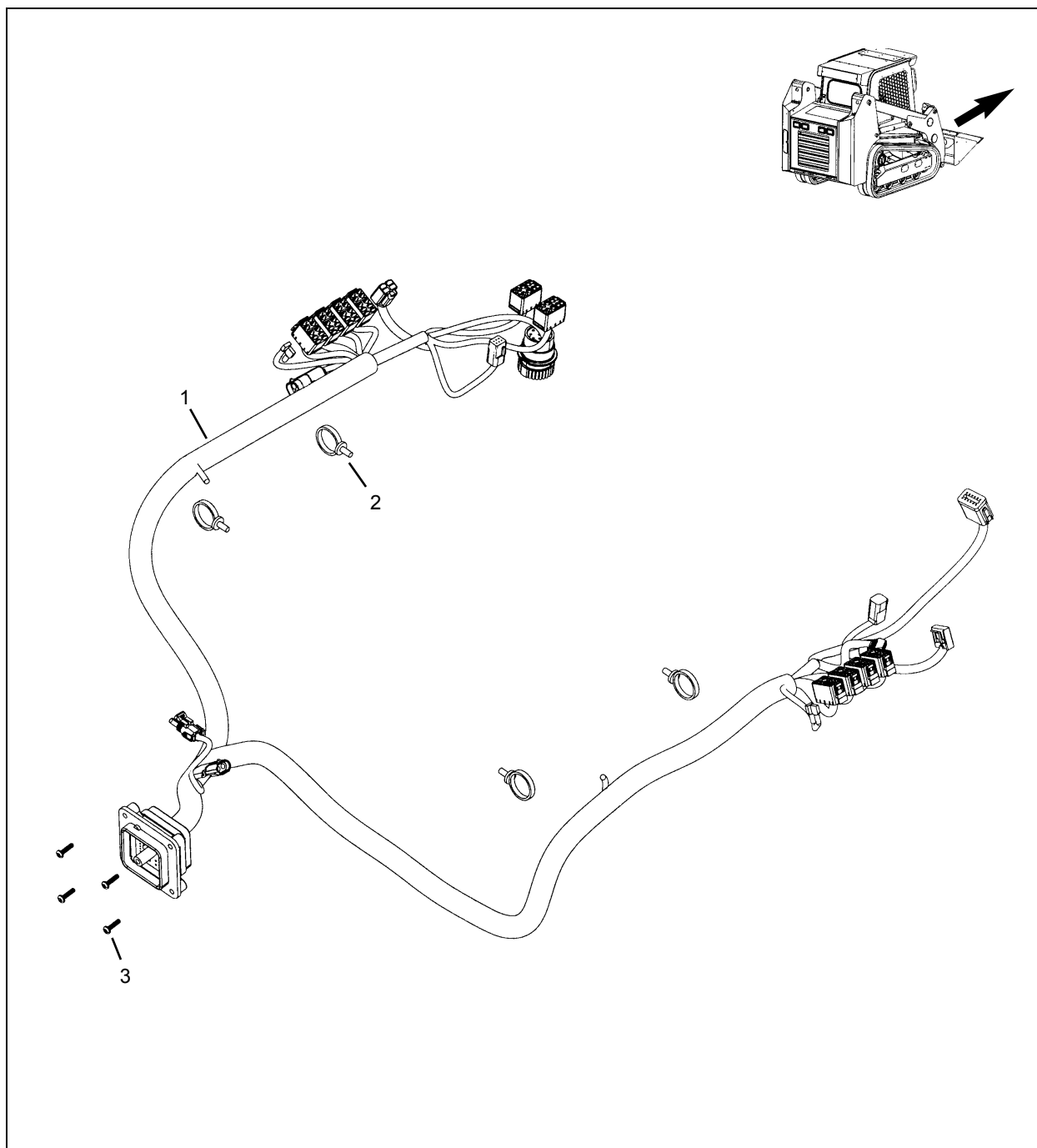
RT250 - ELECTRICAL

BATTERY CIRCUIT / ENGINE WIRE HARNESS

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	NSS	BATTERY, GROUP 31 (CCA 950)	1	16	651456	LN INST M5-0.8 C8 ZY	1
02	243319	CLAMP & COVER, BATTERY	1	17	656163	CS M5-0.8 x 10 C8.8 ZY	1
03	656048	HN M8-1.25 C8 ZY DIN934	1	18	651732	CS FL M10-1.50 x 20 8.8 ZY	1
04	656047	HN M6-1.00 C8 ZY	1	19	50301134	CABLE, ALTERNATOR	1
06	276052	BATTERY CABLE, NEGATIVE 6-1/4"	1	20	656007	CS M10-1.5 x 25 C8.8 ZY	1
07	NSS	BATTERY CABLE COVER <i>(included with item #6)</i>	1	21	L41859	CLAMP, HOSE 0.5625 x 0.41	3
08	064422	CS FL LOCK 3/8" x 1-1/2" C5ZY	1	22	654004	FW 5/16 AWZY	1
09	090666	LN FL SERR 3/8" CZY	1	23	651780	LN INST M8-1.25 C8 ZY	1
10	651086	CB 1/4" x 1 C5ZY	1	24	50302715	BATTERY HOLD DOWN	1
11	055021	CLAMP, HOSE 0.75"/0.41" HOLE	1	26	50657033	CS 5/16" x 10" C5Z	2
12	071401	HLN INST 1/4 CZY	1	27	656093	CS M8-1.25x16 C8.8 ZY	1
13	055648	TIE/CABLE 0.19 x 7.50 BLACK	AR				
14	50301113	BATTERY CABLE ASSEMBLY <i>(Includes positive and negative cables zipped tied together.)</i>	1				

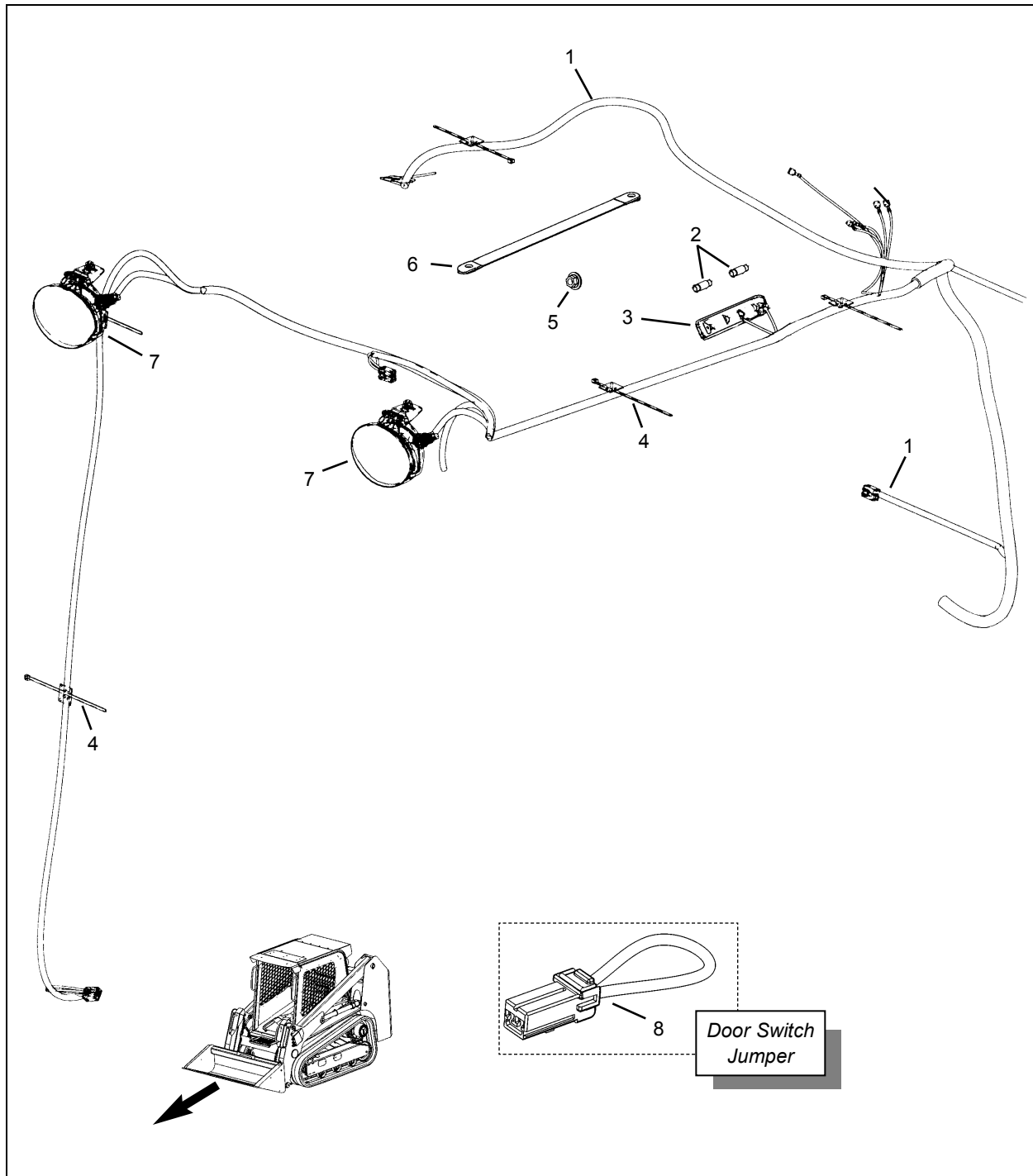
RT250 - ELECTRICAL OPERATOR WIRE HARNESS - CAB

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Item		Description	Qty.
No.	Part No.		
01	272082	WIRE HARNESS, OPERATOR	1
02	273369	TIE, HARNESS MOUNT	4
03	273071	SCREW #10-14 x 3/4" SP	4

RT250 - ELECTRICAL WORK LIGHTS CAB / ROPS WIRE HARNESS



Item No.	Part No.	Description	Qty.
01	275207	WIRE HARNESS, ROPS	1
02	275882	BULB, 12 V	2
03	271756	LIGHT, DOME	1
04	273382	CABLE TIE MOUNT	5
	055648	TIE, CABLE 0.19 x 7.50 IN. BLACK	5
05	071701	LN 5/16 CBZY	2
	654004	FW 5/16 AWZY	2

Item No.	Part No.	Description	Qty.
06	L630004	STRAP, GROUND 4 GA. x 14"	1
07	271540	LIGHT, WORK (HEADLIGHT) BULB, 12V-50WATT (GE 885) (bulb included with work light)	2 AR
08	50301002	HARNESS, DOOR SWITCH JUMPER	1

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RT250 - ENGINE EXTERNAL COMPONENTS

Item No.	Part No.	Description	Qty.
01	50302435	ENGINE, DEUTZ TD3.6L4/T4 <i>(includes items 2, 3, and 4)</i>	1
02	50220515	ALTERNATOR	1
03	50220511	BELT/ALTERNATOR-FAN	1
04	50220520	STARTER	1
05	50302348	FAN, ENGINE (20/31.5DEG/Push)	1
06	50300466	CS M8-1.25x65 C8.8 ZY SP	4
07	50302216	PULLEY, CRANKSHAFT (A/C) *	1
08	50301007	SPACER, FAN	1
09	50301875	DIPSTICK ASSEMBLY <i>(includes dipstick and tube)</i>	1
10	650486	CS 5/16" x 3/4" C5ZY	1
11	136226	CLAMP, HOSE 0.75 " X 0.41"	1

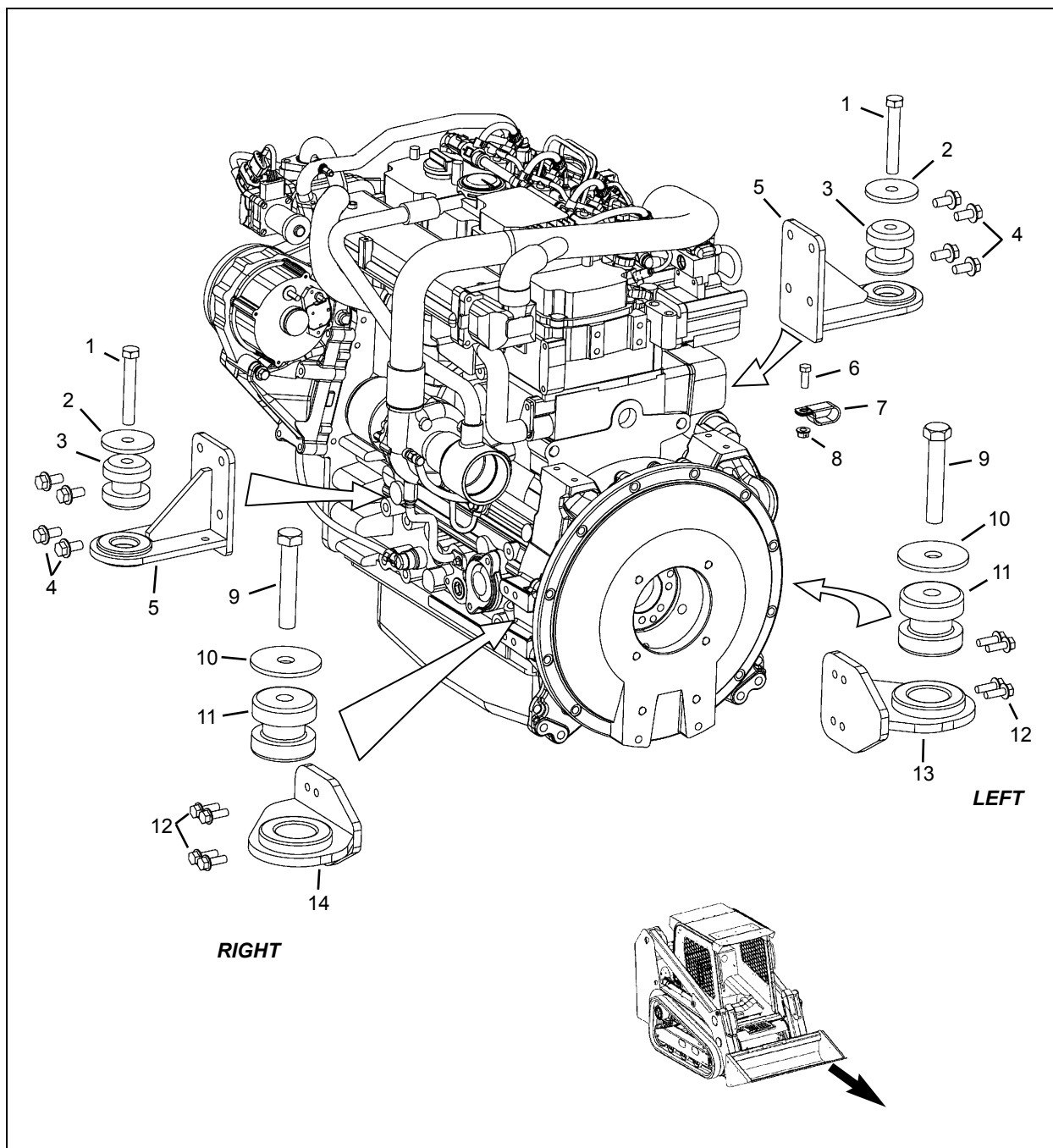
Item No.	Part No.	Description	Qty.
12	131842	HN FL SLOC 5/16" C	1
13	50301877	BRACKET, DIPSTICK	1
14	656093	CS M8-1.25x16 C8.8 ZY	2
15	50302785	HEATER, OIL PAN 250 WATT (opt.) <i>(Kit includes heater, silicone sealant sandpaper, scraper, wire ties, and installation instructions.)</i>	1
16	50303090	BRACKET, DIPSTICK RETAINER	1
17	50303105	WASHER, SEALING	1
18	145833	FW 1/2 HT ZY	2
19	50301039	CS FLH M12-1.75x25 10.9ZY SP	2

* When equipped with the air conditioning option.



NOTE: Refer to the engine parts manual—
Form #50960058—for additional engine parts.

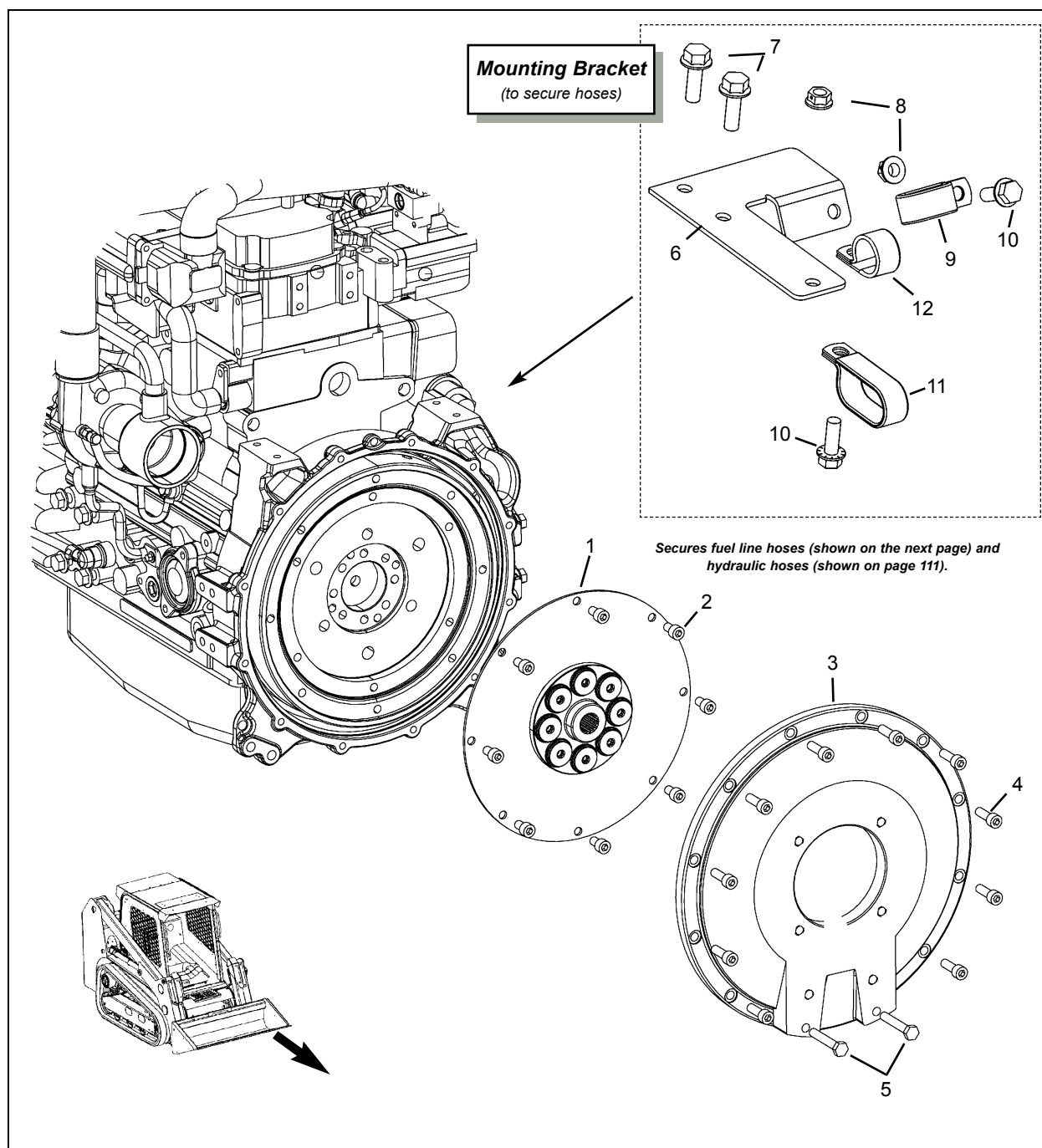
EXTERNAL COMPONENTS - MOUNTS



Item No.	Part No.	Description	Qty.
01	271601	CS 5/8" x 4" C8OCG SP	2
02	135427	WASHER ZY	2
03	189640	ISOLATOR	2
04	50301039	CS FLH M12-1.75x25 10.9ZY SP	8
05	50301443	ENGINE MOUNT (right and left)	2
06	650490	CS 3/8" x 1" C5ZY	1
07	055021	CLAMP, HOSE 0.75"x0.41" DOUBLE	1
08	210-19533	HN FL CLOC 3/8" CZY	1

Item No.	Part No.	Description	Qty.
09	271617	CS 7.8" x 5" C8OCG SP	2
10	272537	FW 15/16 ZY	2
11	201409	ISOLATOR, NEOPRENE	2
12	50301376	SHCS M12-1.75x30 C10.9 SP	8
13	50301317	ENGINE MOUNT (left)	1
14	50301319	ENGINE MOUNT (right)	1

RT250 - ENGINE EXTERNAL COMPONENTS - FLYWHEEL HOUSING



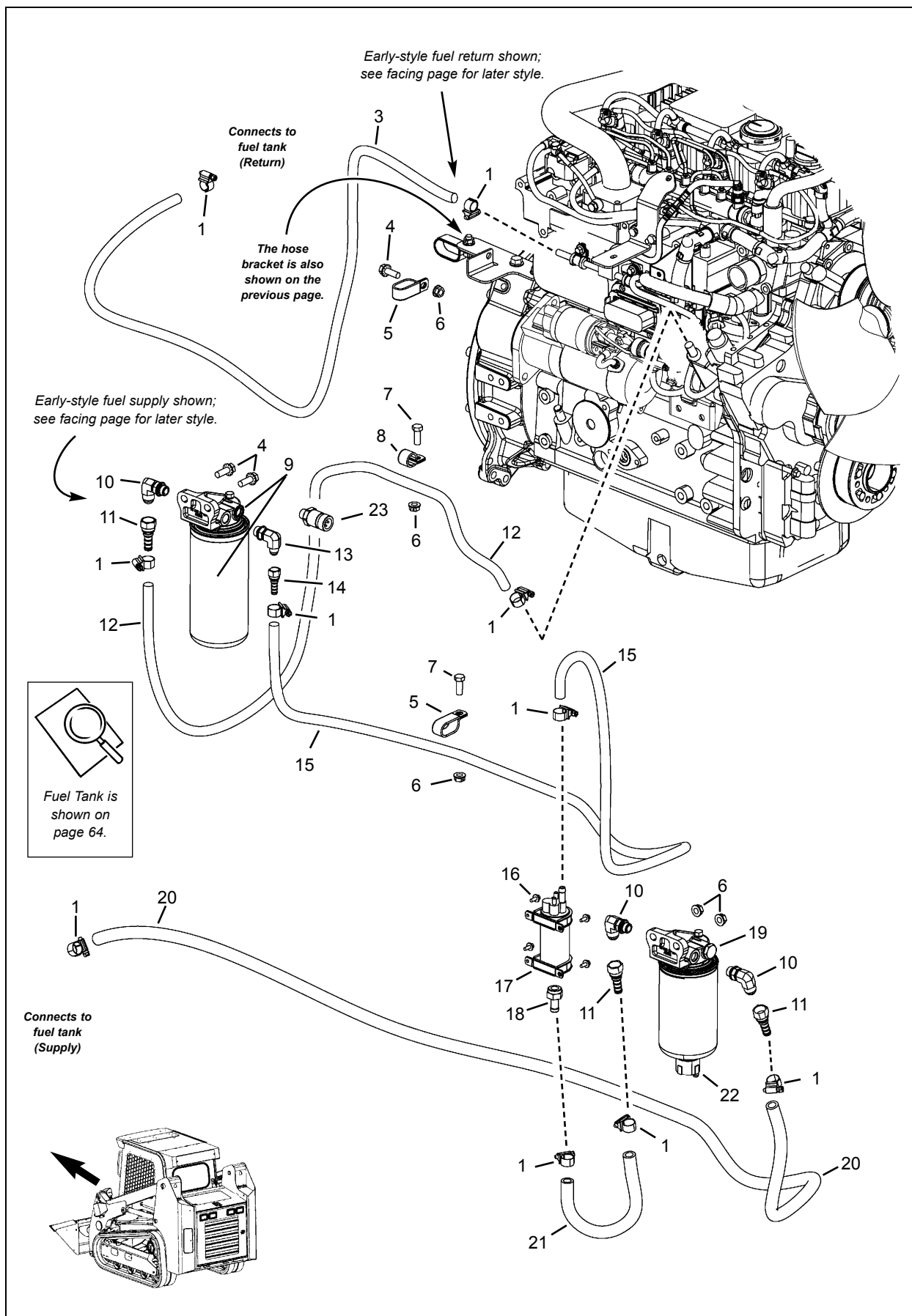
Item No.	Part No.	Description	Qty.
01	50301041	COUPLER (130217)	1
02	50280003	SHCS HS M10-1.50x16 C12.9 P SP	8
03	272248	FLYWHEEL HOUSING	1
04	50280002	SHCS M10-1.5x30 C12.9 P SP	10
05	50280001	CS M10-1.5x60 C8.8 ZY SP DIN931	2
06	50301998	PLATE, CLAMP MOUNT	1
07	50300078	CS FLH M10-1.5 x 30 10.9	2
08	210-19533	HN FL CLOC 3/8 CZY	2

Item No.	Part No.	Description	Qty.
09	055021	CLAMP, VINYL 0.75 x 0.41 IN.	1
10	076589	CS FL LOCK 3/8" x 1" C5ZY	2
11	271341	CLAMP, VINYL 1.0 x 0.41 IN. DBL.	1
12	L45666	CLAMP, VINYL 1.0 x 0.41 IN.	1

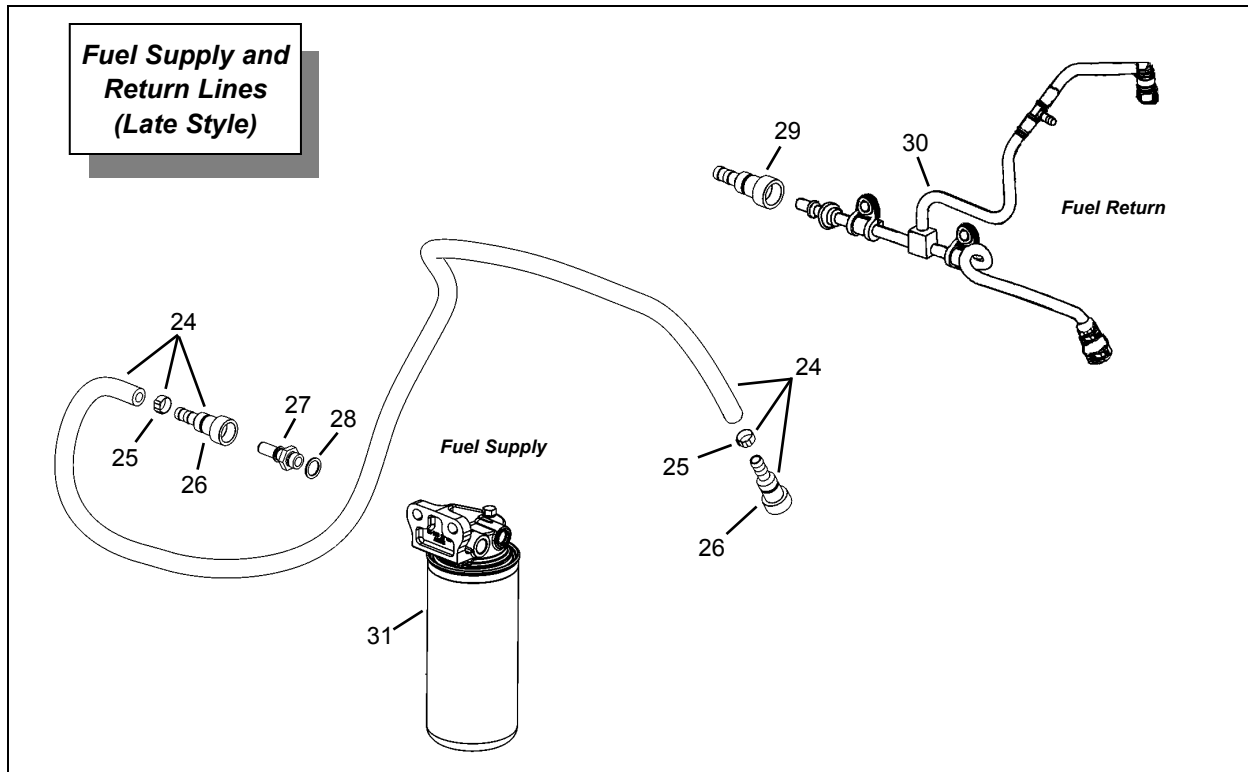


NOTE: Refer to the engine parts manual—
Form #50960058—for additional engine parts.

RT250 - ENGINE FUEL CIRCUIT



RT250 - ENGINE FUEL CIRCUIT



Item No.	Part No.	Description	Qty.
01	087852	CLAMP, HOSE #06	AR
03	50301595	HOSE, FUEL 3/8" x 70" (return)	1
04	076589	CS FL LOCK 3/8" x 1" C5ZY	3
05	055021	CLAMP, VINYL 0.75 x 0.41 DBL	2
06	210-19533	HN FL CLOC 3/8" CZY	5
07	650490	CS 3/8" x 1" C5ZY	2
08	136226	CLAMP, VINYL 0.75 x 0.41 SNGL	1
09	50302437	FUEL FILTER ASY., SECONDARY	1
	50302441	FILTER (only)	1
10 ^b	50300327	90 MJ08-MMA16	3
11 ^b	50300462	ST HB08-FJS08 (brass)	3
12 ^b	50301594	HOSE, FUEL 1/2" x 61"	1
13 ^b	50303012	90 MJ06-MMA16	1
14	50300449	ST HB06-FJS06 (brass)	1
15	50301593	HOSE, FUEL 3/8" x 78"	1
16	651195	SHCS HS #10-24 x 1/2" C	4
	650584	FW #10 AZY (not shown)	4
17 ^a	50288223	FUEL PUMP, ELEC. 12 VDC (engine fuel supply only)	1
18	NSS	FITTING (included w/fuel pump #17)	1
19		WATER SEPARATOR ASSEMBLY	1
	50303845	Note c	
	50302443	Note b	
	50303847	FILTER (only) - Note c	
	50302445	FILTER (only) - Note b	
	50288227	VENT/PLUG (not shown)	
20	50301589	HOSE, FUEL 1/2" x 85" (supply)	1
21	50301590	HOSE, FUEL 1/2" x 14"	1
22	50220612	SENSOR, WATER	1
	50220613	SEALING RING (between water sensor	

Item No.	Part No.	Description	Qty.
		and water separator/filter)	
23	50220553	SENSOR, PRESSURE	1
	50220554	O-RING SEAL (between pressure sensor and filter head)	
24 ^c	50303802	FUEL HOSE ASY. QUICK-CONNECT (includes items 25 and 26)	1
25 ^c	50303801	CLAMP, SPRING	2
26 ^c	50303794	FITTING, ST 1/2" QD FEMALE FUEL	2
27 ^c	50303791	FITTING, ST QD FUEL	1
28 ^c	50303793	WASHER, SEALING	1
29 ^c	50303813	FITTING, ST 3/8" QD FEMALE FUEL	1
30 ^c	TBD	FUEL RETURN LINE	1

a **IMPORTANT:** The fuel supply pump (50288223) looks similar to the fuel transfer pump (50302436)—used on the fuel tank; however, the internal components of the pumps are different. Be sure to order the correct part for the correct application. The fuel transfer pump is shown on the next page; item 10.

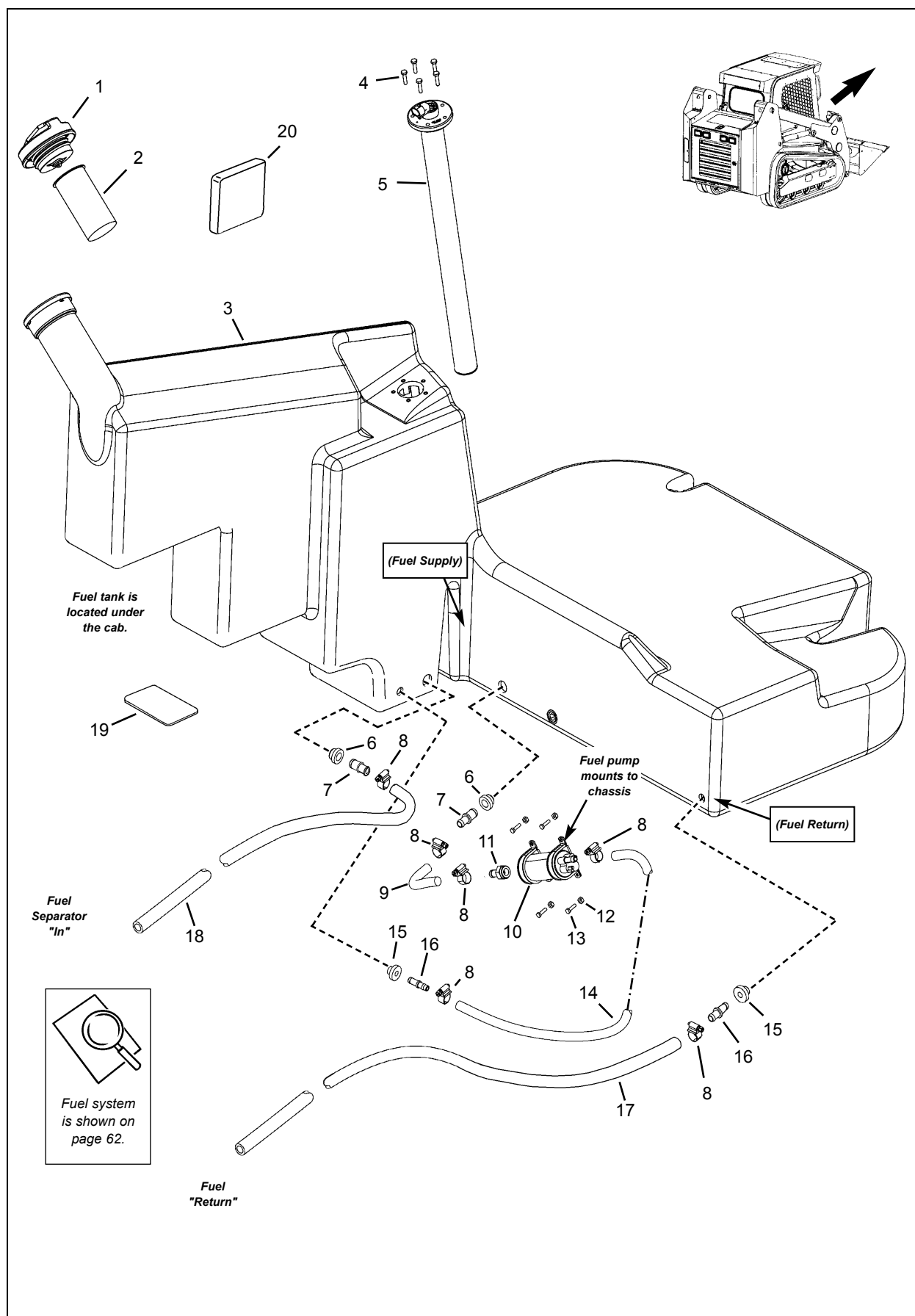
b Used when equipped with engine SN 11538280 and before.

c Used when equipped with engine SN 11538281 and up.

IMPORTANT: The engine serial number is located on the serial number plate on top of the engine valve cover.

RT250 - ENGINE FUEL TANK

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RT250 - ENGINE FUEL TANK

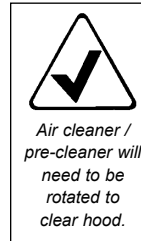
Item				Item			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
01	271468	CAP, FUEL	1	11	NSS	FITTING <i>(included with item #10)</i>	1
	50280186	KEY, 8001 (14603) <i>(not shown)</i>	1	12	651203	LN #10-24 CBZY	4
02	272426	STRAINER, FUEL	1	13	651202	MS HHM USL #10-24 x 3/4" C2ZY	4
03	50302508	TANK, FUEL	1	14	50302362	HOSE, FUEL 3/8" x 24"	1
04	651202	MS HHM USL #10-24 x 3/4" C2ZY	5	15	073024	BUSHING, RUBBER 3/8"	2
05	271459	SENDER, FUEL LEVEL	1	16	50302553	FITTING, FUEL TANK 3/8"	2
	50300425	GASKET <i>(not shown - included with the sender; also use Permatex® Blue sealant on the gasket)</i>		17	50301595	HOSE, FUEL 3/8" x 70" <i>(return)</i>	1
06	50301585	BUSHING, RUBBER 1/2"	2	18	50301589	HOSE, FUEL 1/2" x 85" <i>(supply)</i>	1
07	50302360	FITTING, FUEL TANK 1/2"	2	19	50302205	PAD, RUBBER <i>(Prevents chaffing between fuel tank and the fuel tank bracket on the frame.)</i>	1
08	087852	CLAMP, HOSE #06	6	20	50303242	FOAM, FUEL TANK	1
09	50302359	HOSE, FUEL 1/2" x 5"	1				
10	50302436	FUEL PUMP, ELECTRIC 12 VDC <i>(includes item #11) (Fuel Transfer)</i>	1				

⚠ IMPORTANT: The fuel transfer pump (50302436) looks similar to the fuel supply pump (50288223)—used near the fuel filters to supply fuel to the engine; however, the internal components of the pumps are different. Be sure to order the correct part for the correct application. The engine fuel supply pump is shown on the previous page; item 17.

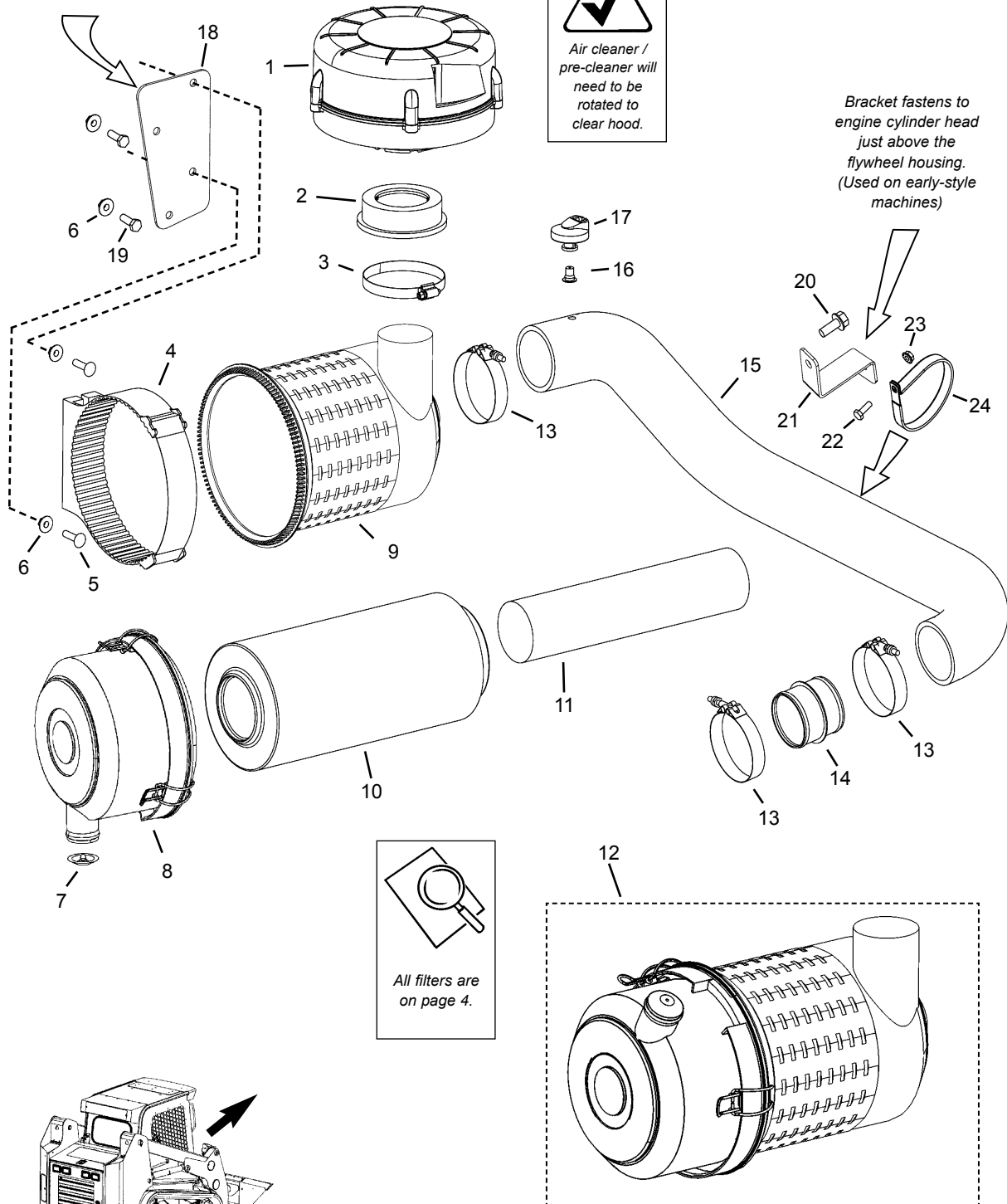
RT250 - ENGINE AIR INTAKE

<https://truckmanualshub.com/>

Bracket fastens to the left side of the frame, inside the engine compartment.
(Used on early-style machines)



Bracket fastens to engine cylinder head just above the flywheel housing.
(Used on early-style machines)



RT250 - ENGINE AIR INTAKE

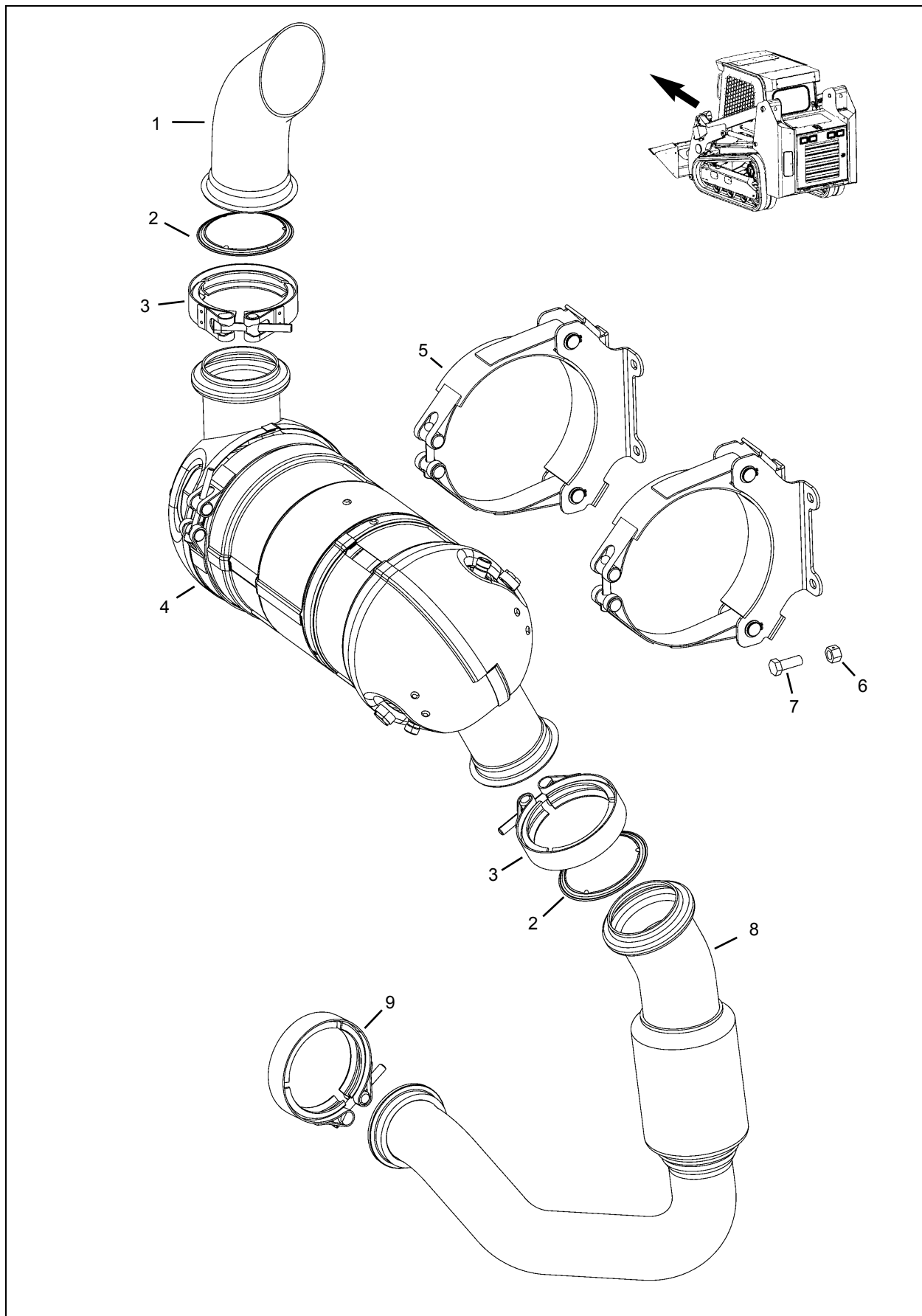
Item No.	Part No.	Description	Qty.
01 ^a	192587	PRECLEANER <i>(option)</i>	1
02 ^a	272318	ADAPTER, 2.75 - 4.0 IN. <i>(option)</i>	1
03 ^a	088937	CLAMP, HOSE SAE #64 <i>(option)</i>	1
04	183998	CLAMP, AIR CLEANER	1
05	650745	CB 5/16 x 1-1/4 C5ZY	2
06	210-31017	LN FL CTR 5/16 CFZY	4
07	187725	EVACUATOR VALVE	1
08	187726	AIR CLEANER, END CAP <i>(includes item 7)</i>	1
09	NSS	AIR CLEANER HOUSING	1
10	184146	AIR FILTER <i>(primary)</i>	1
11	184195	AIR FILTER <i>(secondary)</i>	1
12	186014	AIR CLEANER ASSEMBLY <i>(includes items 7-11)</i>	1
13	184605	CLAMP, T-BOLT 3.50 IN.	3
14	184278	COUPLING, INTAKE HOSE	1
15 ^b	50303269	HOSE, AIR INTAKE	1
16	272300	FITTING, AIR RESTRICTOR	1

Item No.	Part No.	Description	Qty.
17	272299	INDICATOR, SERVICE	1
18 ^c	50303160	PLATE, AIR CLEANER MOUNT	1
19 ^c	650487	CS 5/16" x 1" CZY	2
20 ^d	176653	CS FLH M10-1.50X25 8.8ZY SP	1
21 ^d	50303167	BRACKET, INTAKE HOSE SUPPORT	1
22 ^d	650448	CS 1/4" x 3/4" C5ZY	1
23 ^d	210-19469	HN FL SLOC 1/4" CZY	1
24 ^d	50303166	CLAMP, HOSE 3.50" x 0.28"	1

- a Precleaner option includes items 1-3.*
- b Early units used a different hose that required items 20-24 to secure the hose in place. The new hose does not require the use of items 20-24; they should be removed from the machine and discarded when installing the new hose (PN 50303269).*
- c Used on early-style machines; not used with late-style machines.*
- d Used on early machines that required support for the early-style air intake hose.*

RT250 - ENGINE EXHAUST

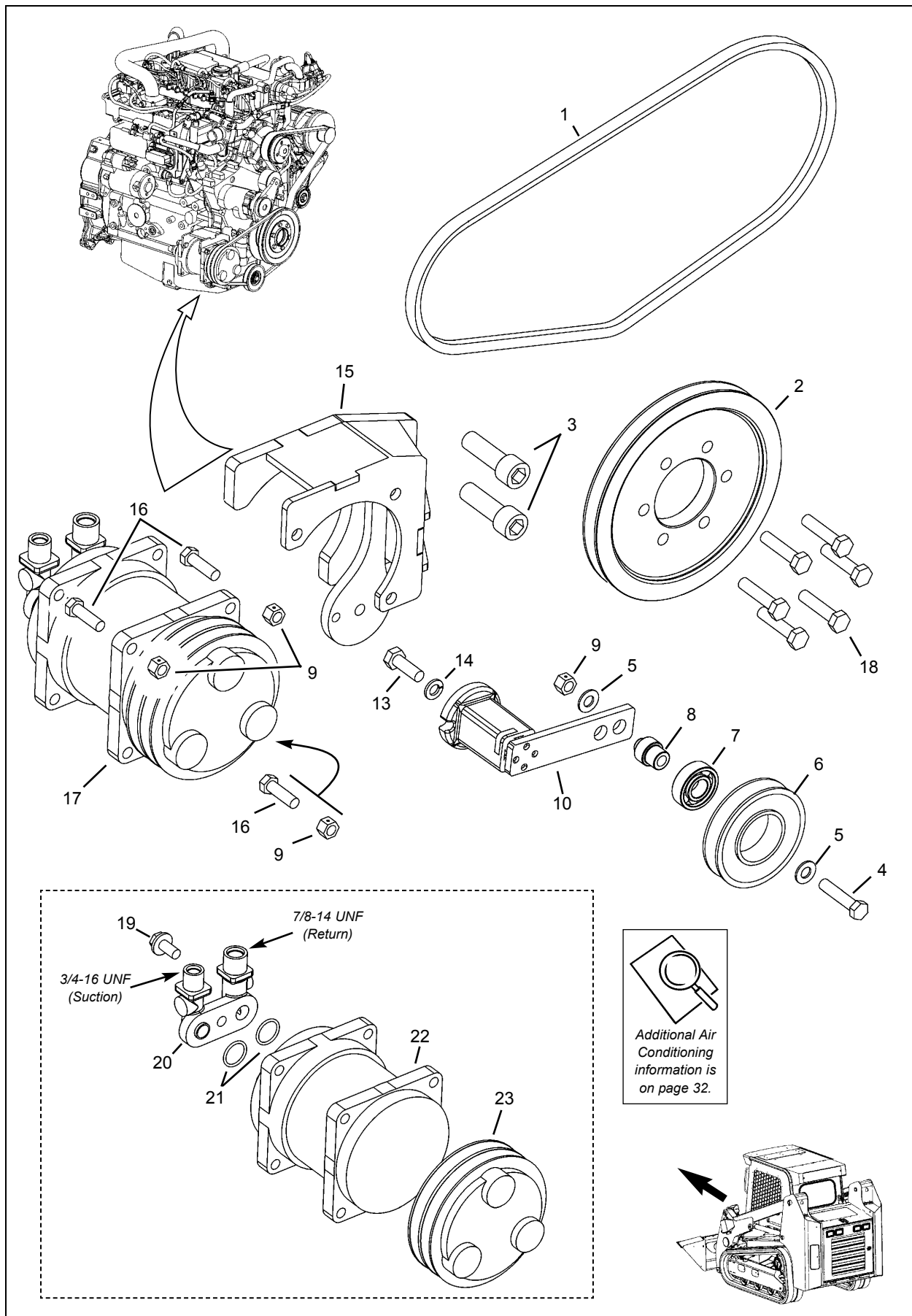
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RT250 - ENGINE EXHAUST

Item				Item			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
01	50301336	TUBE, EXHAUST TIP	1	07	650490	CS 3.8" x 1" CBZY	8
02	50220575	GASKET, EXHAUST	2	08	50302495	FLEX PIPE, TD 3.6	1
03	50220574	CLAMP, EXHAUST (3-3/4")	2	09	50220500	CLAMP, EXHAUST (3-1/2")	1
	50220501	NUT	2		50220501	NUT	1
04	NSS	DOC (<i>Diesel Oxidation Catalyst</i>) *	1	* Refer to Engine Parts manual form #50960058 for a list of individual DOC components.			
05	50302200	BRACKET, DOC	2				
06	071703	LN 3/8" CBZY	8				

AIR CONDITIONING COMPRESSOR — (OPTION)

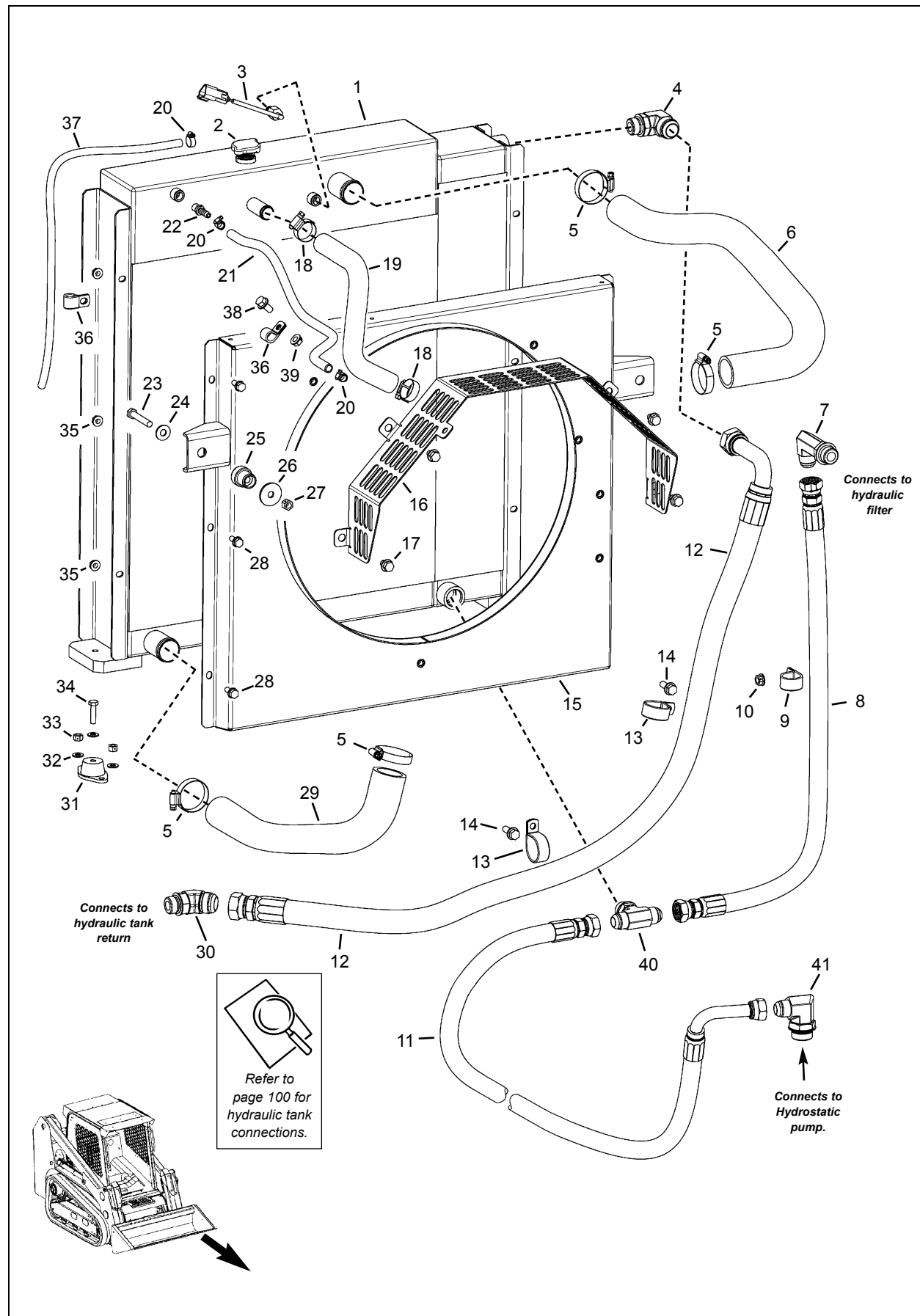


RT250 - ENGINE

AIR CONDITIONING COMPRESSOR — (OPTION)

Item				Item			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
01	50301193	V-BELT A x 41	1	14	656103	LW M10 ZY DIN127 *	1
02	50302216	PULLEY, CRANKSHAFT (A/C)	1	15	50301045	MOUNT, A/C COMPRESSOR	1
03	50301163	SHCS M16-2 x 50 C12.9 CG SP	2	16	650965	CS 3/8 x 1-1/4 C8	3
04	650579	CS 3/8 x 1-3/4 C5ZY	1	17	241310	A/C COMPRESSOR ASSEMBLY	1
05	654049	FW 3/8 ANZY	2	18	50301159	CS M10-1.4x45 C8.8 ZY SP	6
06	139952	PULLEY w/BEARING <i>(includes #7)</i>	1	19	138781	HWHMS M10 x 30 MM	1
07	NSS	BEARING <i>(included with item #6)</i>	1	20	241303	MANIFOLD, COMPRESSOR A/C	1
08	241385	SPACER, PULLEY	1	21	140780	O-RING SET	1
09	071703	LN CTR 3/8 CBZY	4	22	NSS	A/C COMPRESSOR HOUSING	1
10	241010	SE-G18 BELT TENSIONER	1	23	139288	CLUTCH, A/C COMPRESSOR	1
13	651395	CS M10-1.5x30 C10.9 ZY DIN931 *	1				

* Included with item #10.



RT250 - ENGINE / HYDRAULICS

RADIATOR / HYDRAULIC COOLER

(Late Style - SN 70130 and up)

Item No.	Part No.	Description	Qty.
01	50300969	COOLER (radiator / hydraulic cooler) (includes item 2)	1
02	50280174	RADIATOR CAP, 13 LBS.	1
03	50302457	SENSOR, COOLANT LEVEL	1
04		HYDRAULIC ADAPTER	1
	055005	90 MJ12-MAORB12 *	
	074280	90 MJ16-MAORB12 **	
05	055030	CLAMP, HOSE #28	4
06	50300947	HOSE, UPPER RADIATOR	1
07	140883	90-LL MJ12-MAORB12	1
08	135025	HOSE, MP 12 x 36.0"	1
09	L570017	CLAMP, HOSE 1.19" x 0.41"	1
10	210-19533	HN FL CLOC 3/8" CZY	1
11	50301444	HOSE, MP 12 x 68"	1
12		HOSE, HYDRAULIC RETURN	1
	50301489	HOSE, MP12 x 55.0 IN.*	
	50303157	HOSE, MP16 x 54.0 IN.**	
13		CLAMP, HOSE	2
	L45666	CLAMP, HOSE 1.0 x 0.41 *	
	075196	CLAMP, HOSE 1.50 x 0.41**	
14	076589	CS FL LOCK 3/8x1 C5ZY	2
15	50302523	FAN SHROUD	1
16	50300970	FAN GUARD	1
17	310-32616	CS FL LOCK 3/8" x 1/2" C2ZY	4
18	L75990	CLAMP, HOSE #16	2
19	50303237	HOSE, COOLANT FILL	1

Item No.	Part No.	Description	Qty.
20	062023	CLAMP, HOSE #5	3
21	50303074	HOSE -5 x 18"	1
22	133074	ST HB05-MP04 (brass)	1
23	650535	CS 3.8" x 2-1/4" C5ZY	2
24	654006	FW 3/8" AWZY	2
25	270298	ISOLATOR, RUBBER	2
26	270301	WASHER, REBOUND	2
27	071703	LN 3/8" CBZY	2
28	081380	CS FL LOCK 5/16" x 3/4" C5ZY	6
29	50302521	HOSE, LOWER RADIATOR	1
30		HYDRAULIC ADAPTER	1
	055064	45 MJ12-MAORB12 *	1
	274605	45 MJ16-MAORB12 **	1
31	270238	MOUNT, RADIATOR	2
32	650810	FW 5/16" ANZY	6
33	071701	LN 5/16" CBZY	4
34	650545	CS 5/16" x 1-1/4" C5ZY	2
35	210-31017	HN LF CLOC 5/16" CZY	6
36	L41859	CLAMP, HOSE 0.56 x 0.41	2
37	275268	HOSE 5/16" x 24"	1
38	076588	CS FL LOCK 3/8" x 3/4" C5ZY	1
39	210-19533	HN FL CLOC 3/8 CZY	1
40	131449	T BR MJ120MJ12-MAORB12	1
41	121684	90 MJ-MAORB16	1

* Used only with standard auxiliary hydraulics

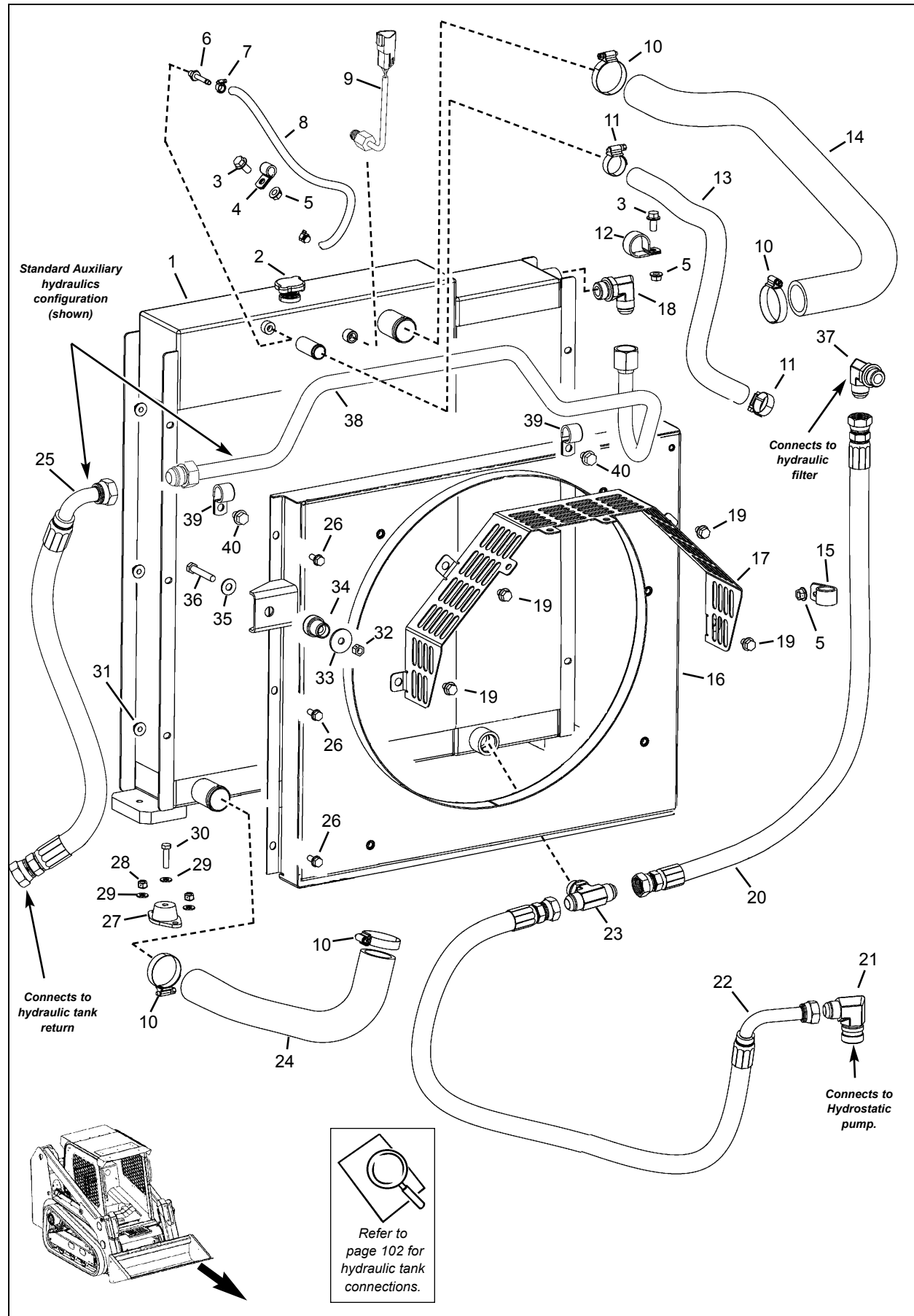
** Used only with the High-Flow hydraulics option



IMPORTANT: Early machines used different hoses and fittings. The early-style radiator/cooler is shown on the next page. Be sure to verify the correct parts before ordering.

RADIATOR / HYDRAULIC COOLER

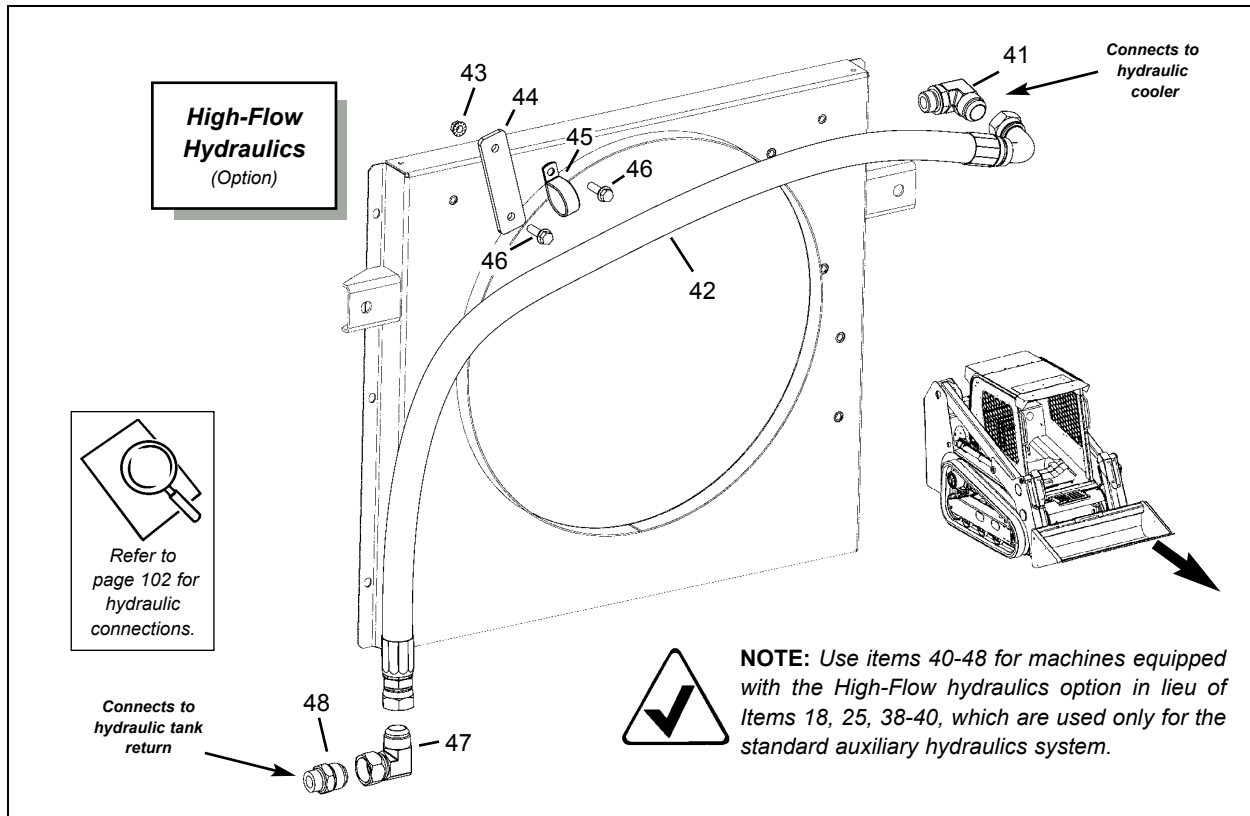
(Early Style - SN 70129 and before)



RT250 - ENGINE / HYDRAULICS

RADIATOR / HYDRAULIC COOLER

(Early Style - SN 70129 and before)



Item No.	Part No.	Description	Qty.
01	50300969	COOLER (radiator / hydraulic cooler) (includes item 2)	1
02	50280174	RADIATOR CAP, 13 LBS.	1
03	076588	CS FL LOCK 3/8" x 3/4" C5ZY	AR
04	L41859	CLAMP, HOSE 0.56" x 0.41"	1
05	210-19533	HN FL CLOC 3/8" CZY	AR
06	133074	ST HB05-MP04 (brass)	1
07	062023	CLAMP, HOSE #5	2
08	50301451	HOSE 5/16" x 27"	1
09	50302457	SENSOR, COOLANT LEVEL	1
10	055030	CLAMP, HOSE #28	4
11	L75990	CLAMP, HOSE #16	2
12	095619	CLAMP, HOSE 1.25 x 0.41	1
13	50301453	HOSE, COOLANT 7/8" x 22"	1
14	50300947	HOSE, UPPER RADIATOR	1
15	L570017	CLAMP, HOSE 1.19" x 0.41"	1
16	50302523	FAN SHROUD	1
17	50300970	FAN GUARD	1
18	055005	90 MJ12-MAORB12 *	1
19	310-32616	CS FL LOCK 3/8" x 1/2" C2ZY	6
20	135025	HOSE, MP 12 x 36.0"	1
21	121684	90 MJ-MAORB16	1
22	50301444	HOSE, MP 12 x 68"	1
23	131449	T BR MJ120MJ12-MAORB12	1
24	50302521	HOSE, LOWER RADIATOR	1
25	137599	HOSE, MP 12 x 26.0 IN. *	1
26	081380	CS FL LOCK 5/16" x 3/4" C5ZY	6
27	270238	MOUNT, RADIATOR	2
28	071701	LN 5/16" CBZY	4

Item No.	Part No.	Description	Qty.
29	650810	FW 5/16" ANZY	6
30	650545	CS 5/16" x 1-1/4" C5ZY	2
31	210-31017	HN LF CLOC 5/16" CZY	6
32	071703	LN 3/8" CBZY	2
33	270301	WASHER, REBOUND	2
34	270298	ISOLATOR, RUBBER	2
35	654006	FW 3/8" AWZY	2
36	650535	CS 3.8" x 2-1/4" C5ZY	2
37	140883	90-LL MJ12-MAORB12	1
38	50302766	TUBE, HYDRAULIC *	1
39	136226	CLAMP, HOSE 0.75" x 0.41" *	2
40	310-32616	CS FL LOCK 3/8" x 1/2" C2ZY *	2
41	074280	90 MJ16-MAORB12 **	1
42	50302969	HOSE, MP 16 x 56" **	1
43	090666	HN FL SLOC 3/8 CZY **	1
44	50302971	BRACKET, CLAMP MOUNT **	1
45	075196	CLAMP, HOSE 1.50 x 0.41" **	1
46	081377	CS FL LOCK 3/8" x 1-1/4" C5ZY **	2
47	088117	90 MJ16-FJS16 **	1
48	054818	ST MJ16-MORB12 **	1

* Used only with standard auxiliary hydraulics

** Used only with the High-Flow hydraulics option

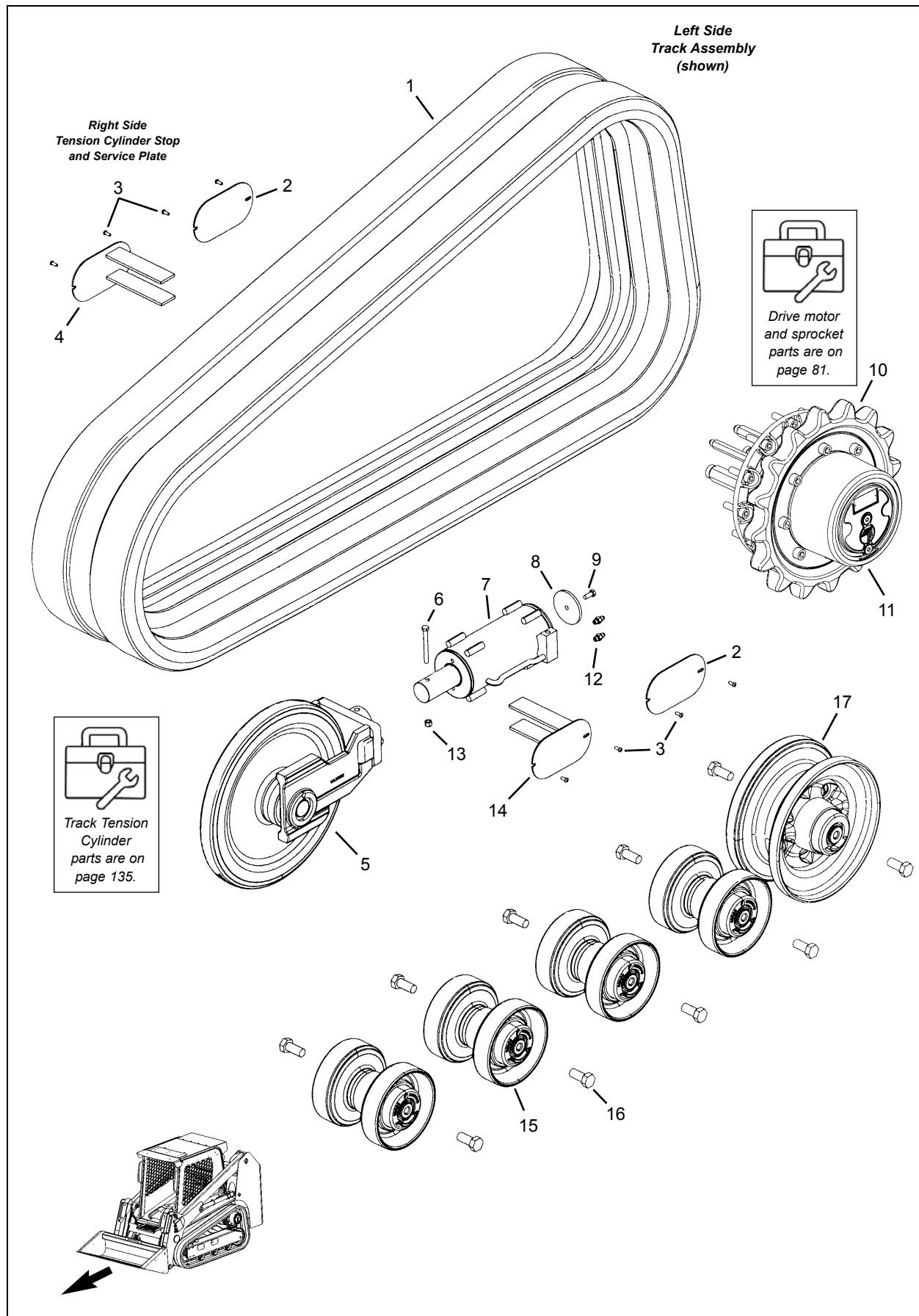


IMPORTANT: Later machines used different hoses and fittings. The late-style radiator/cooler is shown on the previous page. Be sure to verify the correct parts before ordering.

RT250 - TRACKS

TRACK ASSEMBLY

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RT250 - TRACKS

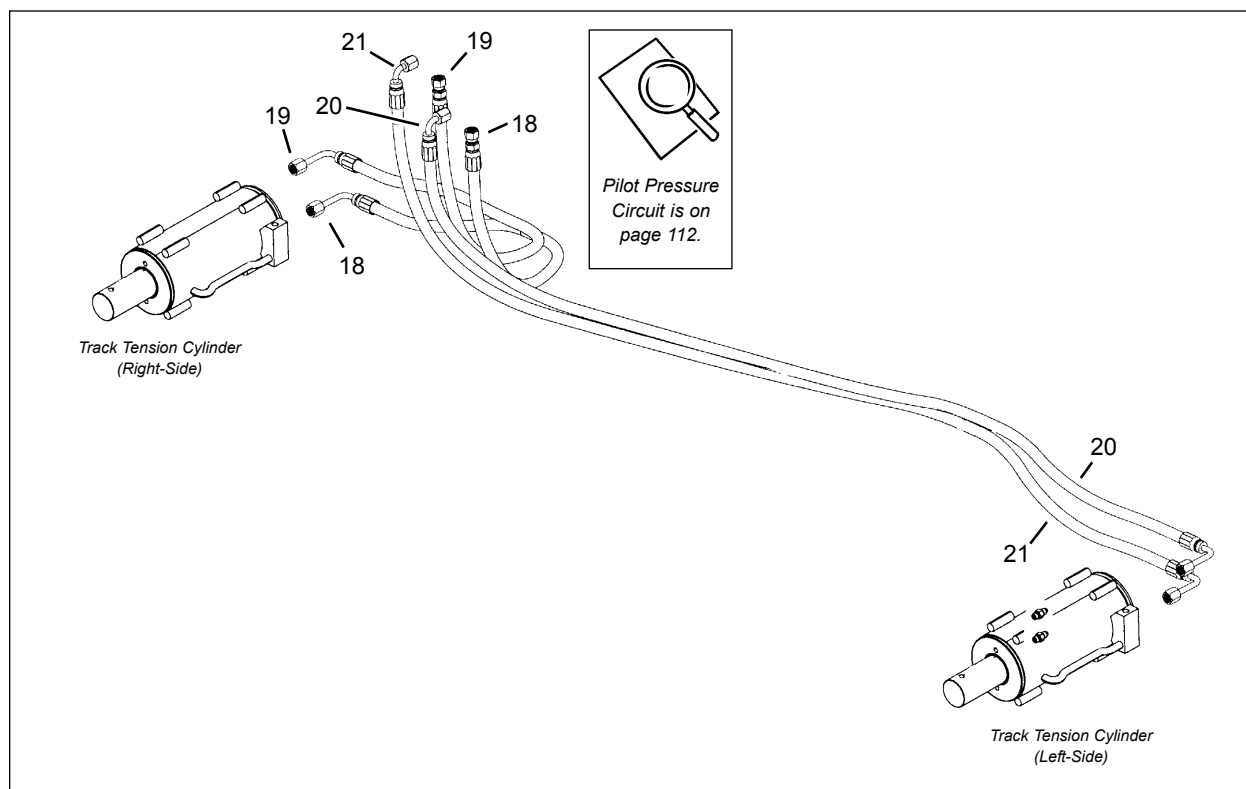
TRACK ASSEMBLY

Item No.	Part No.	Description	Qty.
 NOTE: Quantities shown are for both sides of the machine.			
01	50302533	RUBBER TRACK 450 x 58 x 86	2
02	271556	PLATE, SERVICE COVER	2
03	072916	CS FL LOCK 1/4 x 3/4 C5ZY	8
04	272643	TENSION CYLINDER STOP (<i>right</i>)	1
05	271005	FRONT IDLER ASSEMBLY	2
06	651614	CS 3/8" x 3-1/2" C8ZY	2
07	271414	CYLINDER, TRACK TENSION	2
08	272913	STOP, HYDRAULIC CYLINDER	2
09	50300027	CS 3/8" x 7/8" C5Z	2

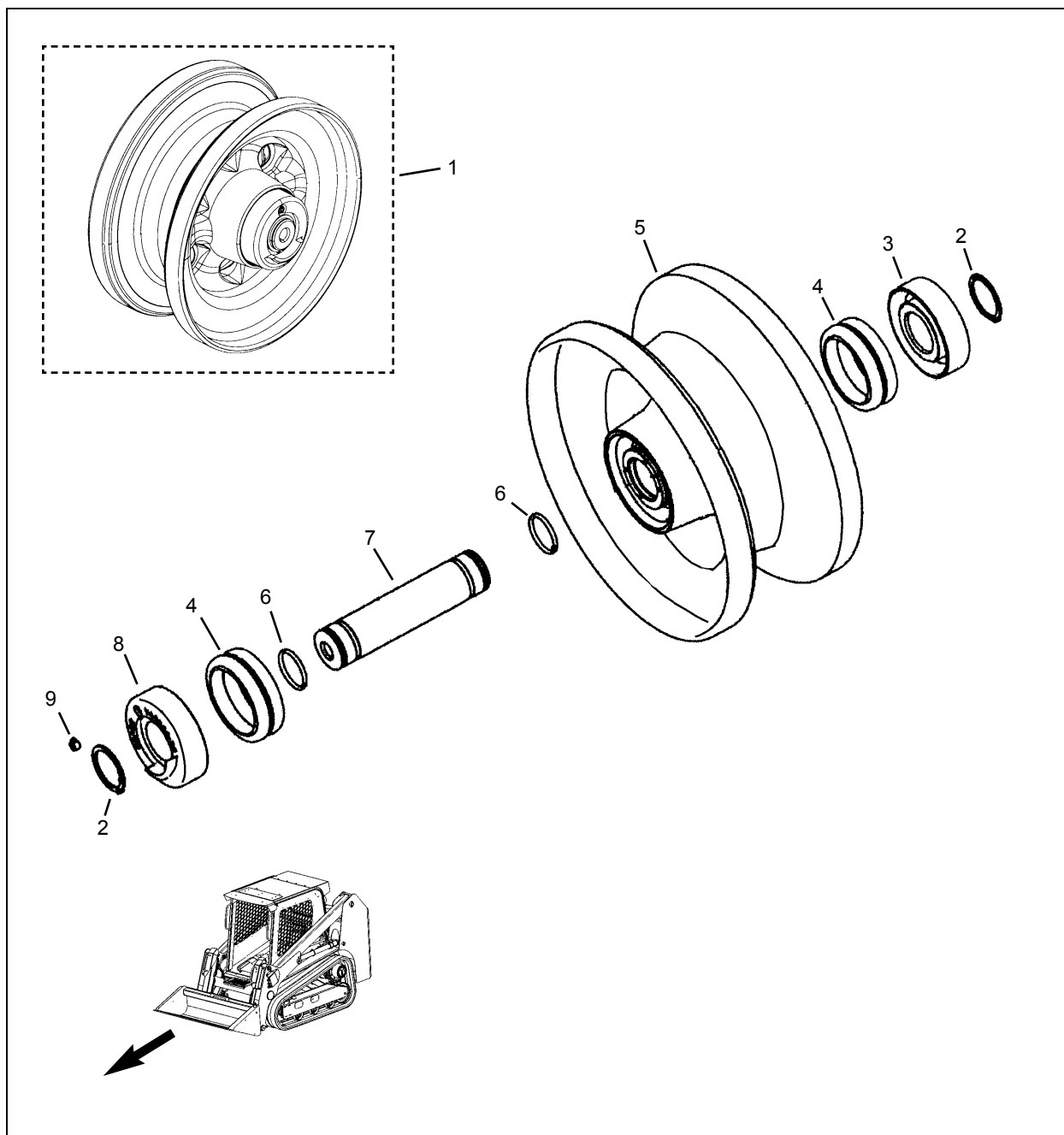
Item No.	Part No.	Description	Qty.
10	270322	SPROCKET, DRIVE	2
11	274423	MOTOR, DRIVE 1273cc W/FLANGE	2
12	230-32195	ST MJ04 MORB04	4
13	067847	HLN INST 3/8" CZY	2
14	272641	TENSION CYLINDER STOP (<i>left</i>)	1
15	271020	WHEEL, BOGIE - DUAL FLANGE	8
16	274602	CS M20-2.5 x 45 C10.9 PSP DIN931	20
17	275574	IDLER, DUAL FLANGE (<i>rear</i>)	2
18	274389	HOSE, MP 4 x 31.0 IN.	1
19	274839	HOSE, MP 4 x 31.0 IN.	1
20	274386	HOSE, MP 4 x 53.0 IN.	1
21	274386	HOSE, MP 4 x 53.0 IN.	1



NOTE: The next four pages contain detailed component information for the bogie wheels, front and rear idlers, and the track drive motors and sprockets.



DUAL-FLANGE IDLER ASSEMBLY



Item

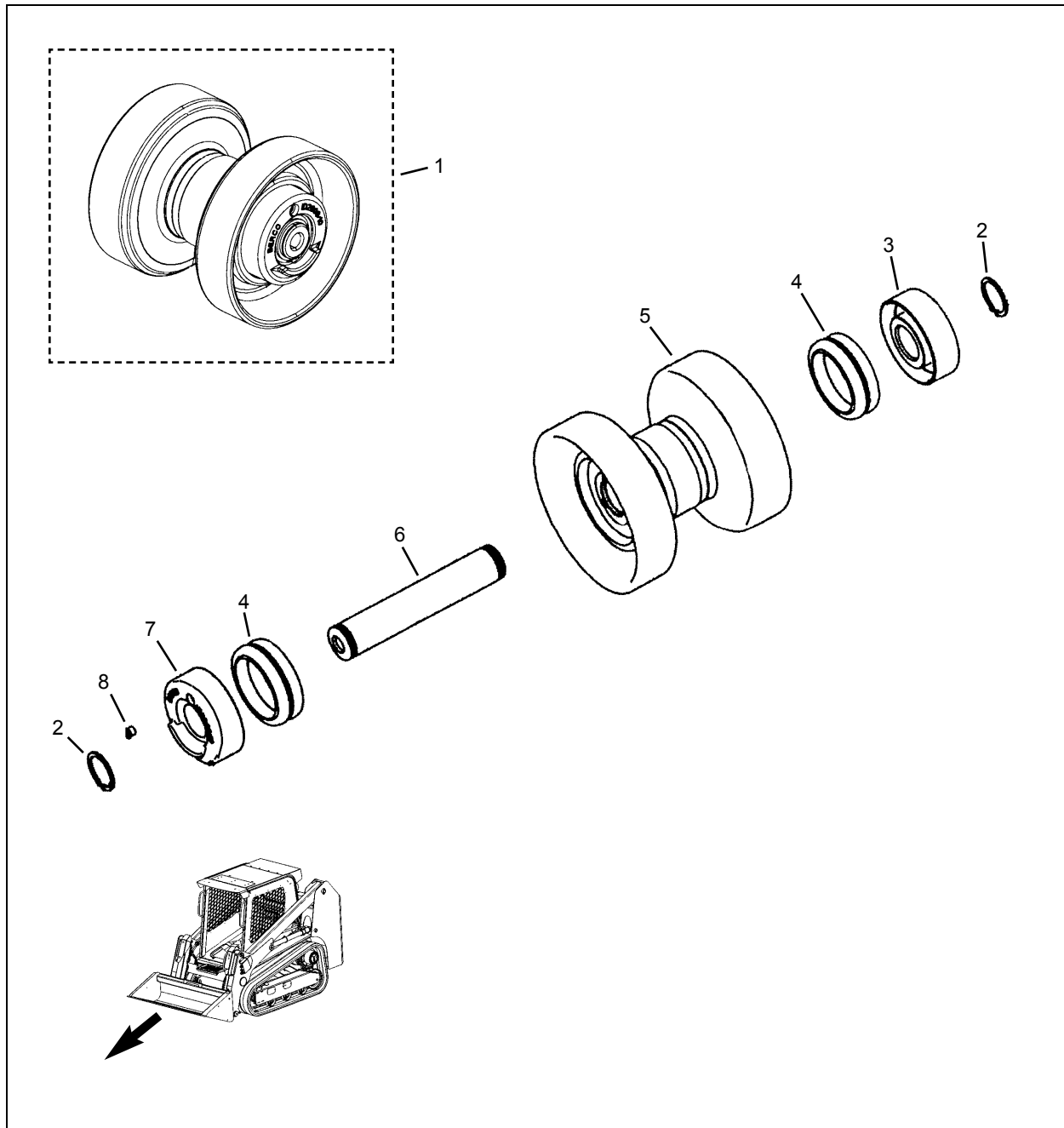
No.	Part No.	Description	Qty.
01	275574	IDLER, DUAL-FLANGE ASSEMBLY (includes all items shown)	1
02	50280163	SNAP RING	2
03	50280164	BRACKET	1
04	50280155	SEAL GROUP	2
05	50280161	IDLER SHELL W/BUSHING	1
06	50280166	O-RING	2
07	50280162	SHAFT	1
08	50280165	BRACKET W/HOLE	1
09	50280160	PLUG	1



NOTE: Quantities shown are for one dual-flange idler assembly. When ordering parts, be aware that the machine uses two dual-flange idler assemblies, one for each side.

RT250 - TRACKS

DUAL-FLANGE BOGIE WHEEL ASSEMBLY



Item No.	Part No.	Description	Qty.
01	271020	WHEEL, DUAL-FLANGE BOGIE ASY. 1 (includes all items shown)	
02	50280157	SNAP RING	2
03	50280158	BRACKET	1
04	50280155	SEAL GROUP	2
05	50280154	ROLLER SHELL W/BUSHING	1
06	50280156	SHAFT	1
07	50280159	BRACKET W/HOLE	1
08	50280160	PLUG	1

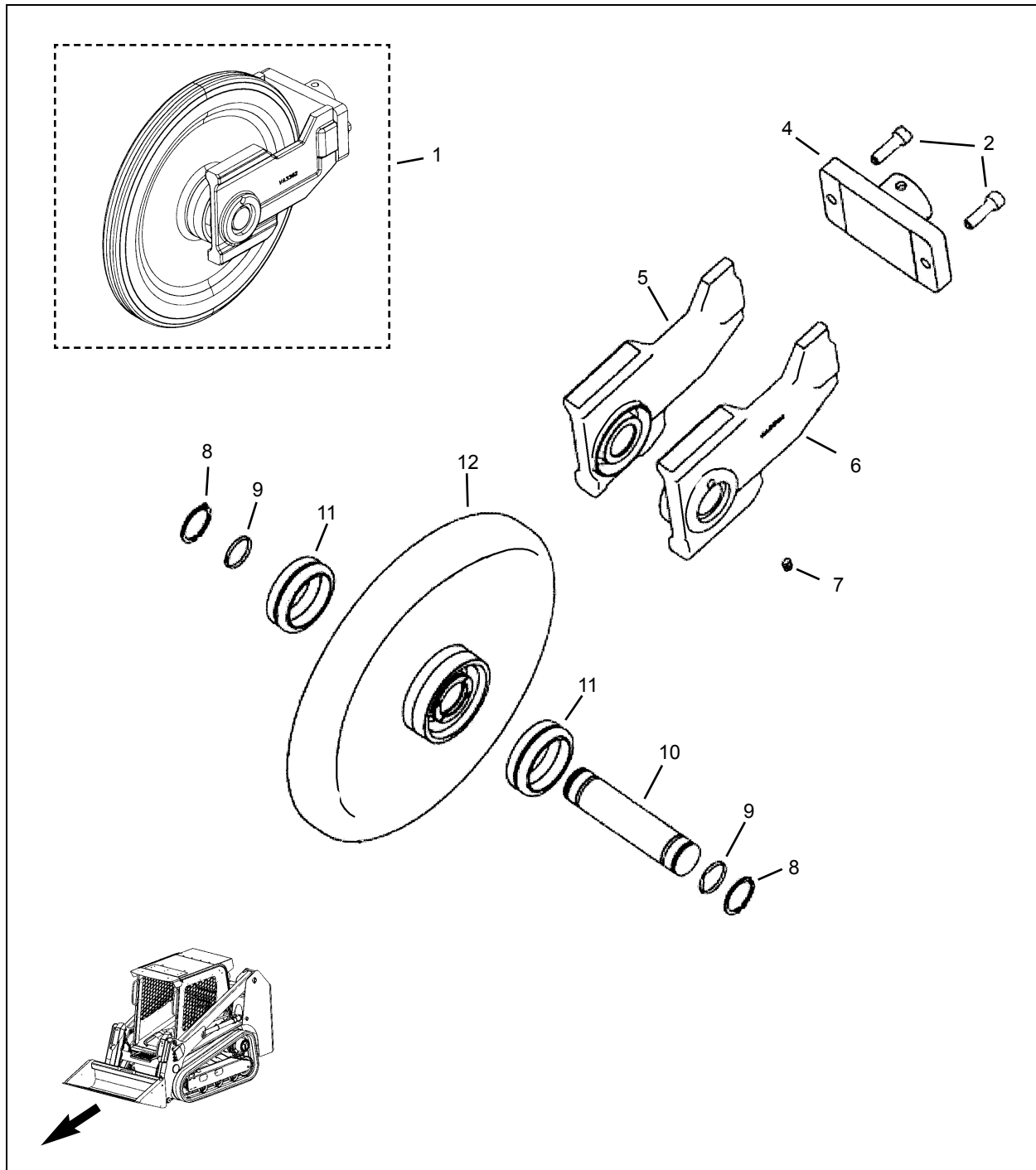


NOTE: Quantities shown are for one dual-flange bogie wheel assembly. When ordering parts, be aware that the machine uses eight dual-flange bogie wheel assemblies—four on each side.

RT250 - TRACKS

FRONT IDLER ASSEMBLY

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Item No.	Part No.	Description	Qty.
01	271005	FRONT IDLER ASSEMBLY (includes all items shown)	1
02	50280172	BOLT	2
04	50280171	TRACK IDLER WELDMENT	1
05	50280169	BRACKET	1
06	50280170	BRACKET W/HOLE	1
07	50280160	PLUG	1
08	50280163	SNAP RING	2
09	50280166	O-RING	2

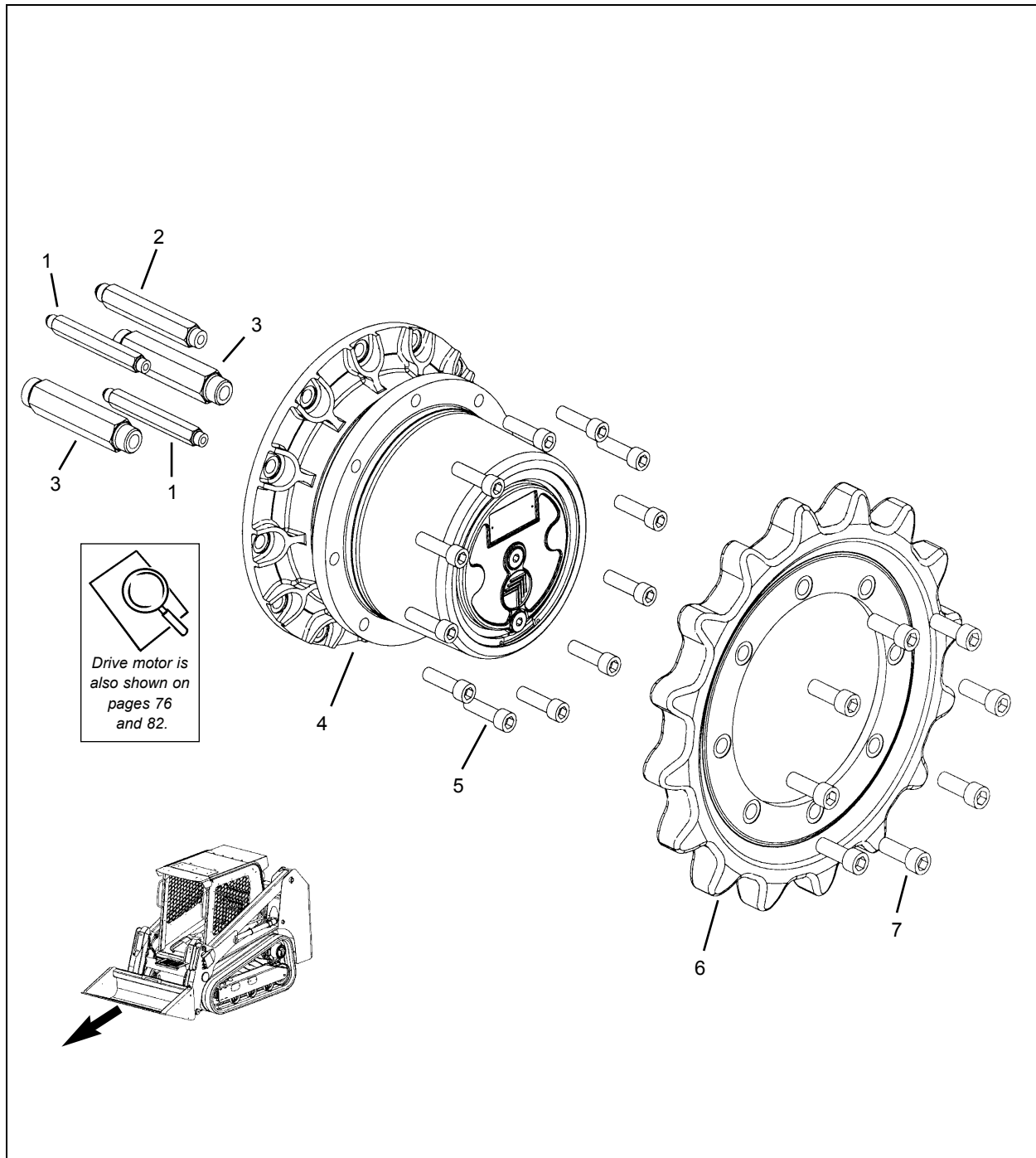
Item No.	Part No.	Description	Qty.
10	50280168	SHAFT	1
11	50280155	SEAL GROUP	2
12	50280167	IDLER SHELL W/BUSHING	1



NOTE: Quantities shown are for one front idler assembly. When ordering parts, be aware that the machine uses two front idler assemblies, one on each side.

RT250 - TRACKS

TRACK DRIVE MOTOR AND SPROCKET

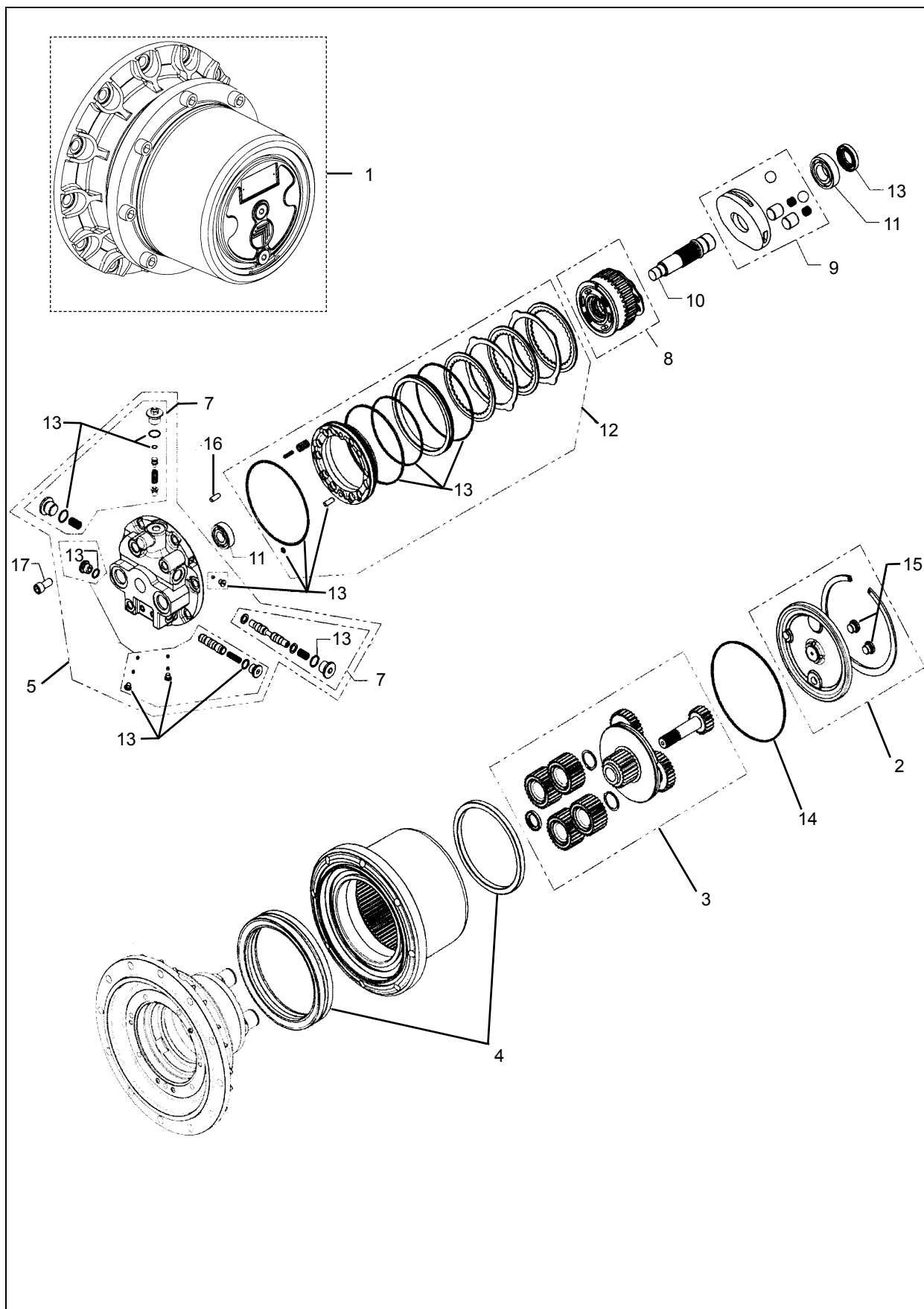


Item No.	Part No.	Description	Qty.
01	273650	ST-LN MJ06-MORB06	2
02	271709	ST-LN MJ08-MORB08	1
03	50302378	ST MC20-MORB12-S-SP	2
04	274423	MOTOR, DRIVE 1273cc W/FLANGE	1
05	274604	SHCS M14-2x50 C12.9PSP DIN912	12
06	270322	SPROCKET, DRIVE	1
07	274603	SHCS M16-2X45 C12.9 P SP D912	8



NOTE: Quantities shown are for one drive motor and one sprocket assembly. When ordering parts, be aware that the machine uses two drive motors and sprocket assemblies, one on each side. Refer to next page for component parts.

TRACK DRIVE MOTOR COMPONENTS



RT250 - TRACKS

TRACK DRIVE MOTOR COMPONENTS

Item No.	Part No.	Description	Qty.
01	274423	MOTOR, DRIVE 1273cc W/FLANGE <i>(includes all items shown)</i>	1
02	50280126	COVER ASSEMBLY	1
03	50286441	REDUCTION ASSEMBLY	1
04	50280128	KIT, SEAL NUT	1
05	50280129	BASE PLATE ASSEMBLY	1
06	50280130	SPOOL KIT, TWO SPEED	1
07	50280131	KIT, FLUSHING	1
08	50280132	CYLINDER BLOCK ASSEMBLY	1
09	50280134	SWASH PLATE KIT (1098 cc)	1
10	50280135	MOTOR SHAFT ASSEMBLY	1

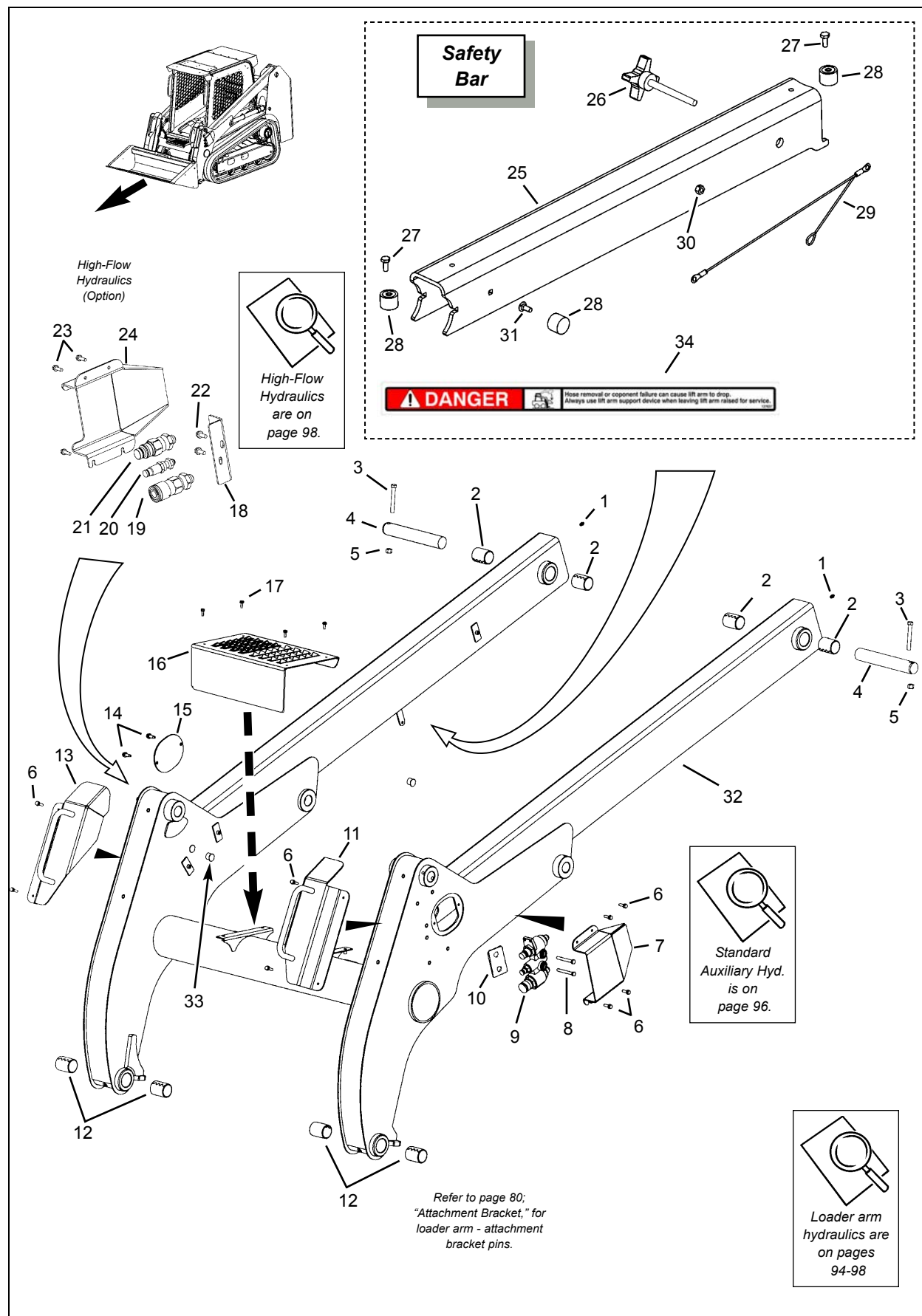
Item No.	Part No.	Description	Qty.
11	50280136	KIT, BEARINGS	1
12	50280137	KIT, PARK BRAKE	1
13	50280138	KIT, REPAIR	1
14	50280139	QUAD RING	1
15	50280151	PLUG	2
16	NSS	PIN <i>(included with #5, 12 and 13)</i>	AR
17	50280125	SHCS M12X1.75-12.9 L.35	7



NOTE: Quantities shown are for one track drive motor assembly. When ordering parts, be aware that the machine uses two track drive motor assemblies, one on each side.

RT250 - LOADER ARM BOLT-ON COMPONENTS

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RT250 - LOADER ARM BOLT-ON COMPONENTS

Item No.	Part No.	Description	Qty.
01	570002	FITTING, GREASE 1/8 PTF	2
02	271363	BUSHING	4
03	650653	CS 1/2 x 4-1/2 C5ZY	2
04	50300837	PIN, HEAT TREATED	2
05	068034	HLN INST 1/2 CZY	2
06	064354	CS FL LOCK 5/16 x 1 C5ZY	8
07	273624	SHIELD	1
08	650581	CS 3/8 x 3 C8ZY	2
09	50352739	BLOCK, COUPLER/PRESS. RELF.	1
10	274598	SPACER, COUPLER BLOCK	1
11	272758	WELDMENT, HANDLE - (LEFT)	1
12	50302491	BUSHING, SPRING CROSS *	4
13	272759	WELDMENT, HANDLE - (RIGHT)	1
14	650934	THWH TC USL 3/8 x 1 CZY	1
15	272398	COVER, LOADER ARM	1
16	276038	STEP	1
17	650758	CB 1/4 x 3/4 C5ZY	4
	071401	HLN INST 1/4 CZY (not shown)	4
18	275977	PLATE (bracket)**	1
19	137059	COUPLER, FEMALE MJ12 **	1
20	131958	COUPLER, MALE MJ08 **	1
21	137058	COUPLER, MALE MJ12 **	1
22	076589	CS FL LOCK 3/8 x 1 ***	2
23	064354	CS FL LOCK 5/16 x 1 C5ZY **	4
24	276002	SHIELD ***	1

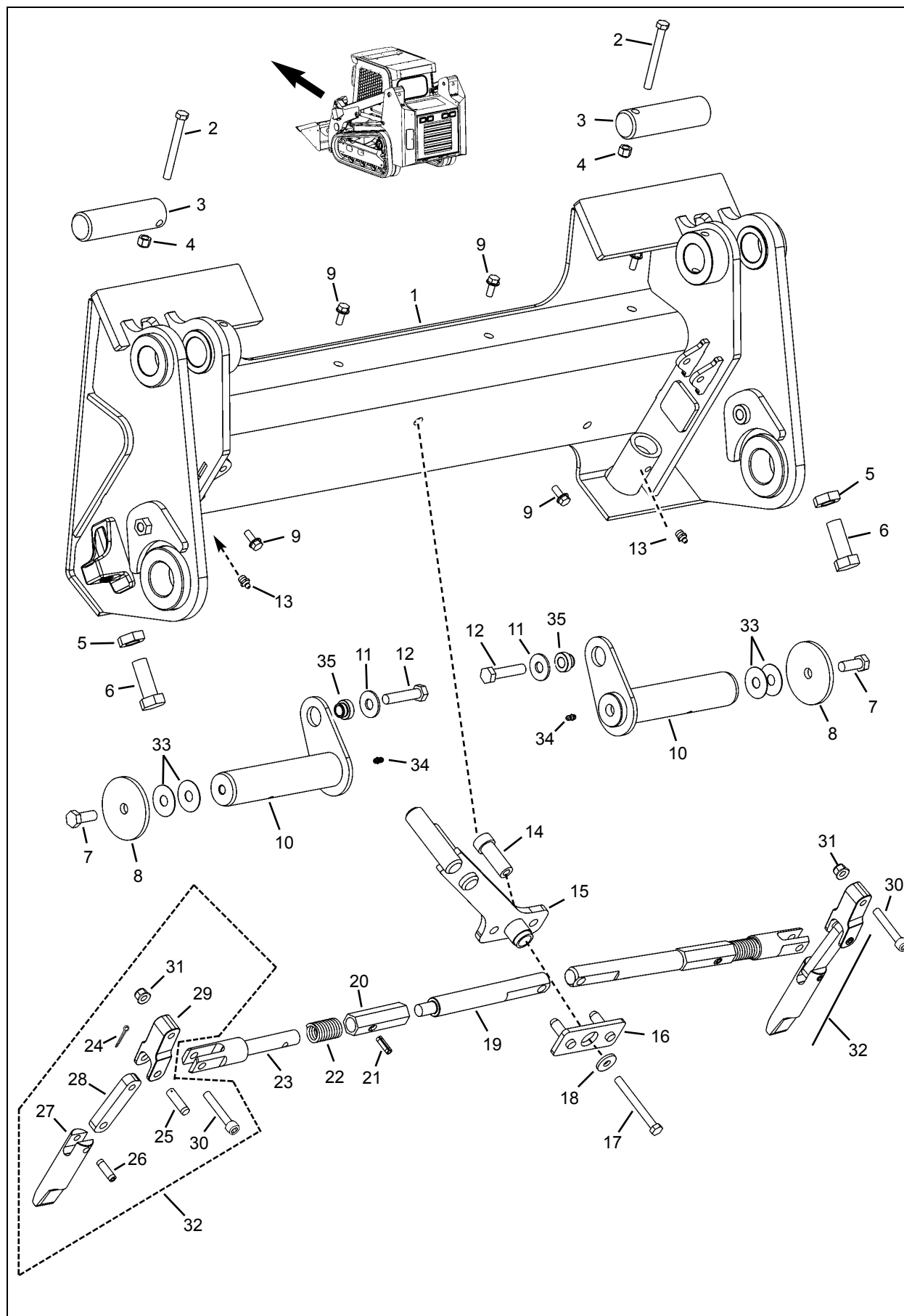
Item No.	Part No.	Description	Qty.
25	50302324	CHANNEL (safety bar) *** 	1
26	50302169	KNOB	1
	071703	LN CTR 3/8 CBZY (not shown) (used as a jam nut for knob)	1
27	650663	CS 1/4" x 5/8" C5ZY	2
28	50301796	ISOLATOR 0.75" x 1 " RUBBER	3
29	50302541	TETHER	1
30	071700	LN 1/4" CZY (used to attach tether to under loader arm)	1
31	650748	CB 1/4" x 5.8" C5ZY	1
32	50300624	WELDMENT, LOADER ARM	1
33	243009	GROMMET 0.69 x 0.25 x 1.0 PLUG	2
	274998	PLUG, PLASTIC 1.0" (use grommets or plugs based on machine options)	
34	137637	DECAL, KEEP OUT/LIFT ARM	1

* Refer to "Attachment Bracket" (located on the next page) for attachment bracket pins and related parts information.

** Used when machine is equipped with high-flow hydraulics option.

***  **IMPORTANT:** When ordering this part, be sure to also order and affix item #34 warning decal .

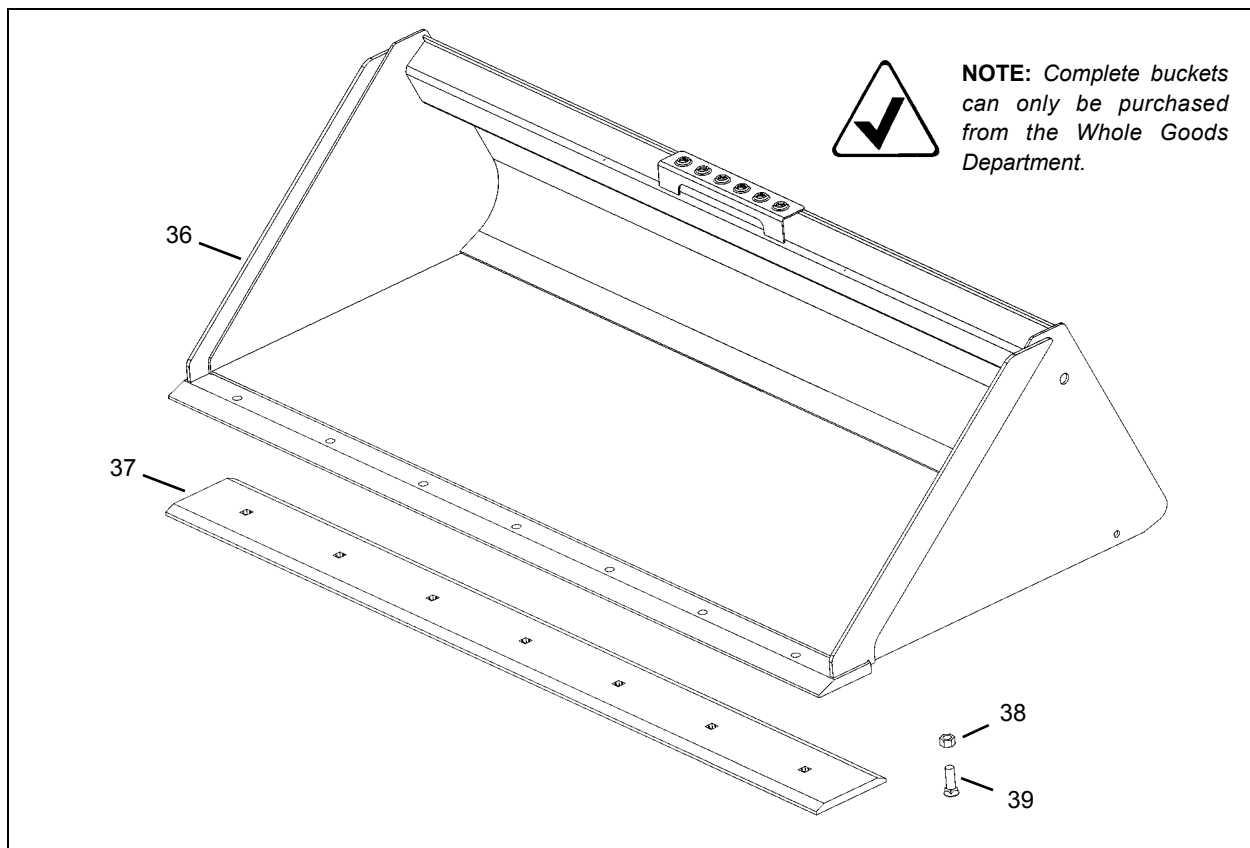
ATTACHMENT BRACKET - MANUAL (STANDARD) / BUCKET



RT250 - LOADER ARM

ATTACHMENT BRACKET - MANUAL (STANDARD) / BUCKET

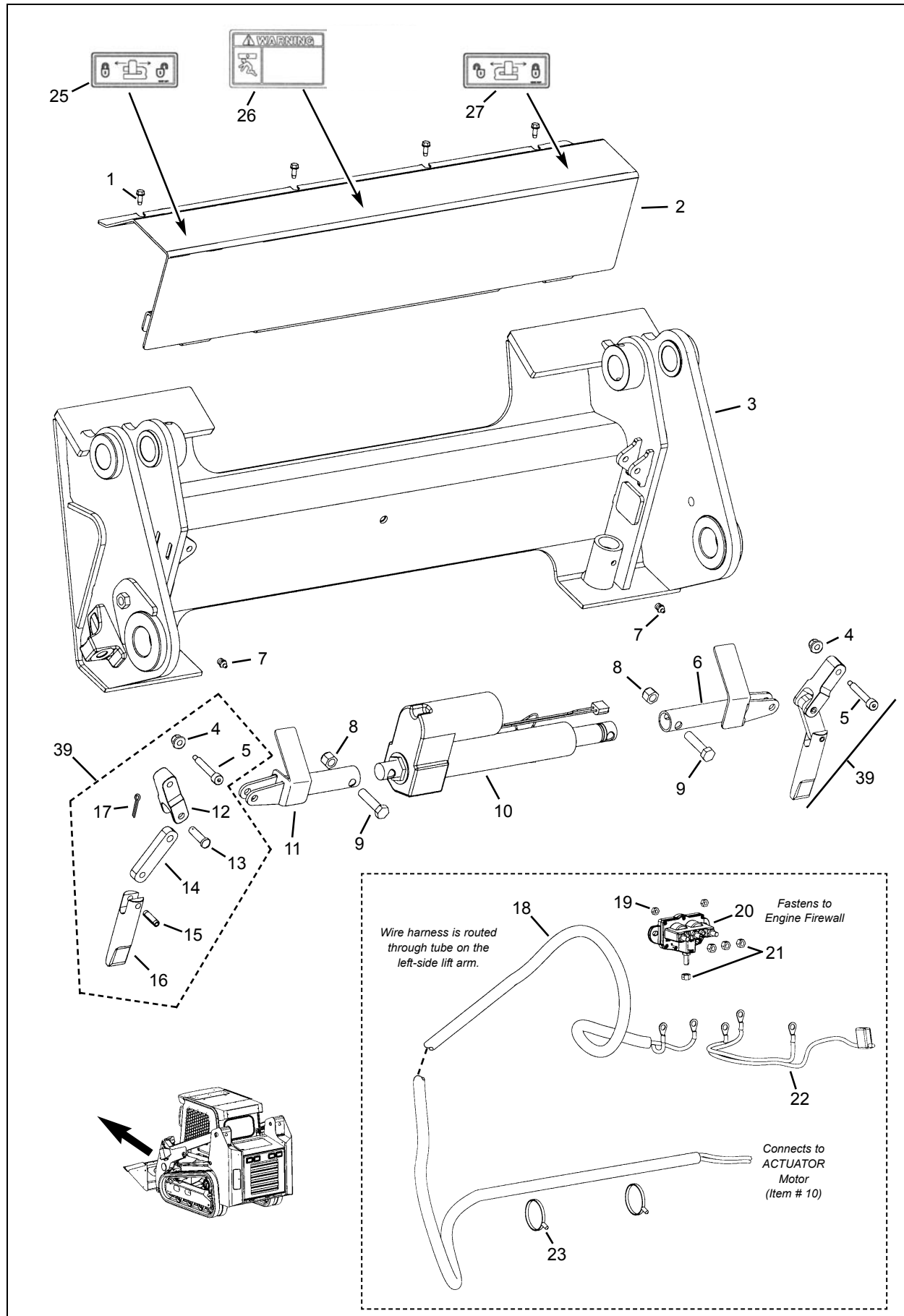
Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	274521	WELDMENT, QUICK ATTACH	1	19	137167	LINK, ADJUSTABLE END	2
02	650731	CS 3/8 x 3-1/2 C5ZY	2	20	137158	LINK, SPRING STOP	2
03	271366	PIN (<i>attaches tilt cylinder</i>)	2	21	137385	SPRING PIN	2
04	067847	HLN INST 3/8 CZY	2	22	H8049	SPRING	2
05	653054	HJN HVY 3/4 C5ZY	2	23	137164	LINK, SPRING SLIDE	2
06	650649	CS 3/4 x 2 C5ZY	2	24	655006	COTTER PIN 1/8"x1" Z	2
07	50280004	CS 1/2 x 1-1/4 C5ZY SP	2	25	50350090	PIN, CLEVIS 7/16"x1-5/8" ZY	2
08	274526	WASHER 35/64	2	26	137386	PIN	2
09	081380	CS FL LOCK 5/16 x 3/4 C5ZY	6	27	137170	LATCH PIN	2
10	50302150	PIN (<i>attaches to loader arm</i>)	2	28	137168	PIN LINK	2
11	654009	FW 1/2 AWZY	2	29	137169	LATCH LINK	2
12	50280006	CS 1/2 x 2-1/2 C5ZY SP	2	30	50302097	SCREW/SHOULDER 3/8"x1-3/4" 8	2
13	570002	FITTING, GREASE 1/8 PTF	2	31	210-31017	LN FL CTR 5/16 CFZY	2
14	138752	HANDLE PIVOT	1	32	270064	QUICK ATTACH PIN ASSEMBLY (<i>includes items 24-31</i>)	2
15	270675	HANDLE	1	33	275914	SHIM	4
16	137379	PIN LINK	1	34	570014	GREASE ZERK 1/4 ST	2
17	50280005	CS 3/8 x 3-1/2 C8ZY SP	1	35	50302153	BUSHING, STEPPED 3/4 x 1	2
18	088912	FW 13/32 ZY	1				



Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
36	810922	BUCKET, 84" HD D/C (<i>Available only through the Whole Goods Department —includes all items shown</i>)	1	38	653026	HN 3/4 C2ZY *	7
37	136358	CUTTING EDGE, 3/4"x8"x83.878" *	1	39	651351	PLOW BOLT 3/4" x 2-1/2" *	7

* The cutting edge and hardware are optional and are not included with the bucket.

ATTACHMENT BRACKET - POWER ALL-TACH® (OPTION)



ATTACHMENT BRACKET - POWER ALL-TACH® (OPTION)

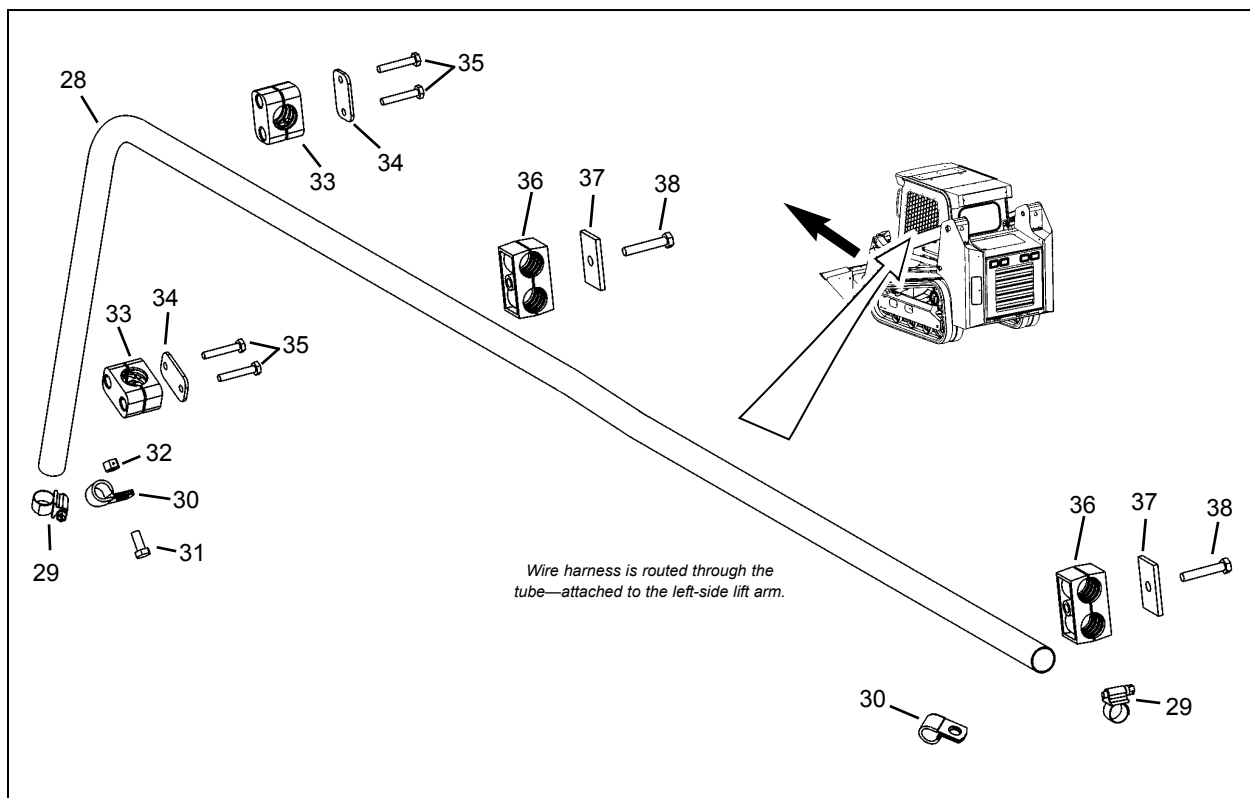
Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	081380	CS FL LOCK 5/16 x 3/4 C5ZY	6	26	50354117	DECAL, ATTACHMENT BRACKET	1
02	275523	COVER	1	27	139109	DECAL, LATCHING (<i>right</i>)	1
03	274521	WELDMENT, QUICK ATTACH **	1	28	276045	TUBE, POWER QUICK ATTACH	1
04	210-31017	LN FL CTR 5/16" CFZY	2	29	087852	CLAMP, HOSE #06	2
05	50302097	SHOULDER BOLT 3/8"x1-3/4" *	2	30	128007	CLAMP, HOSE 0.62" x 0.41"	2
06	275798	WELDMENT, EXT. LINK (<i>right</i>)	1	31	650486	CS 5/16 x 1-1/2 C5ZY	1
07	570002	FITTING, GREASE 1/8 PTF	2	32	071701	LN 5/16 CBZY	1
08	068034	HLN INST 1/2 CZY	2	33	102524	CLAMP, TUBE 1.00"	2
09	650585	CS 1/2 x 2 C5ZY	2	34	102525	PLATE, TOP SINGLE SIZE 3	2
10	50300054	ACTUATOR, MOTOR LINEAR	1	35	650588	CS 1/4 x 1-1/2 C5ZY	4
11	275797	WELDMENT, EXT. LINK (<i>left</i>)	1	36	190950	CLAMP, TUBE 1.0 IN. TWIN	2
12	137169	LATCH LINK *	1	37	L69833	PLATE, TOP SIZE 2 TWIN	2
13	50350090	PIN, CLEVIS 7/16"x1-5/8" ZY *	1	38	650692	CS 5/16 x 1-3/4 C5ZY	2
14	137168	PIN LINK *	1	39	270064	QUICK ATTACH PIN ASSEMBLY	2
15	137386	PIN *	1			(includes items 4, 5, and 12-17)	
16	137170	LATCH PIN *	1				
17	655006	COTTER PIN 1/8" x 1" Z *	1				
18	275629	WIRE HARNESS, QUICKATTACH	1				
19	071401	HLN INST 1/4 CZY	2				
	651094	CB 1/4x1-1/4 C5ZY (<i>not shown</i>)	2				
20	275380	RELAY, DPDT TROMBETTA	1				
21	134851	LN FL SPIRALOCK 5/16 FZY	4				
22	275687	WIRE HARNESS, QA POWER	1				
	656047	HN M6-1 CA ZY DIN934 (<i>not shown</i>)	1				
23	273369	TIE/TREE MOUNT	2				
25	139107	DECAL, LATCHING (<i>left</i>)	1				

-- ITEMS NOT SHOWN --

--	055648	TIE, CABLE 0.19 x 7.50	AR
--	074091	TIE, CABLE 0.19 x 14.50	AR

* Quantity is for one side. Item 39 includes these parts, be sure when ordering parts to not duplicate parts; order the individual parts needed, or the assembly (item #39). Items 4 and 5 are included with item #39.

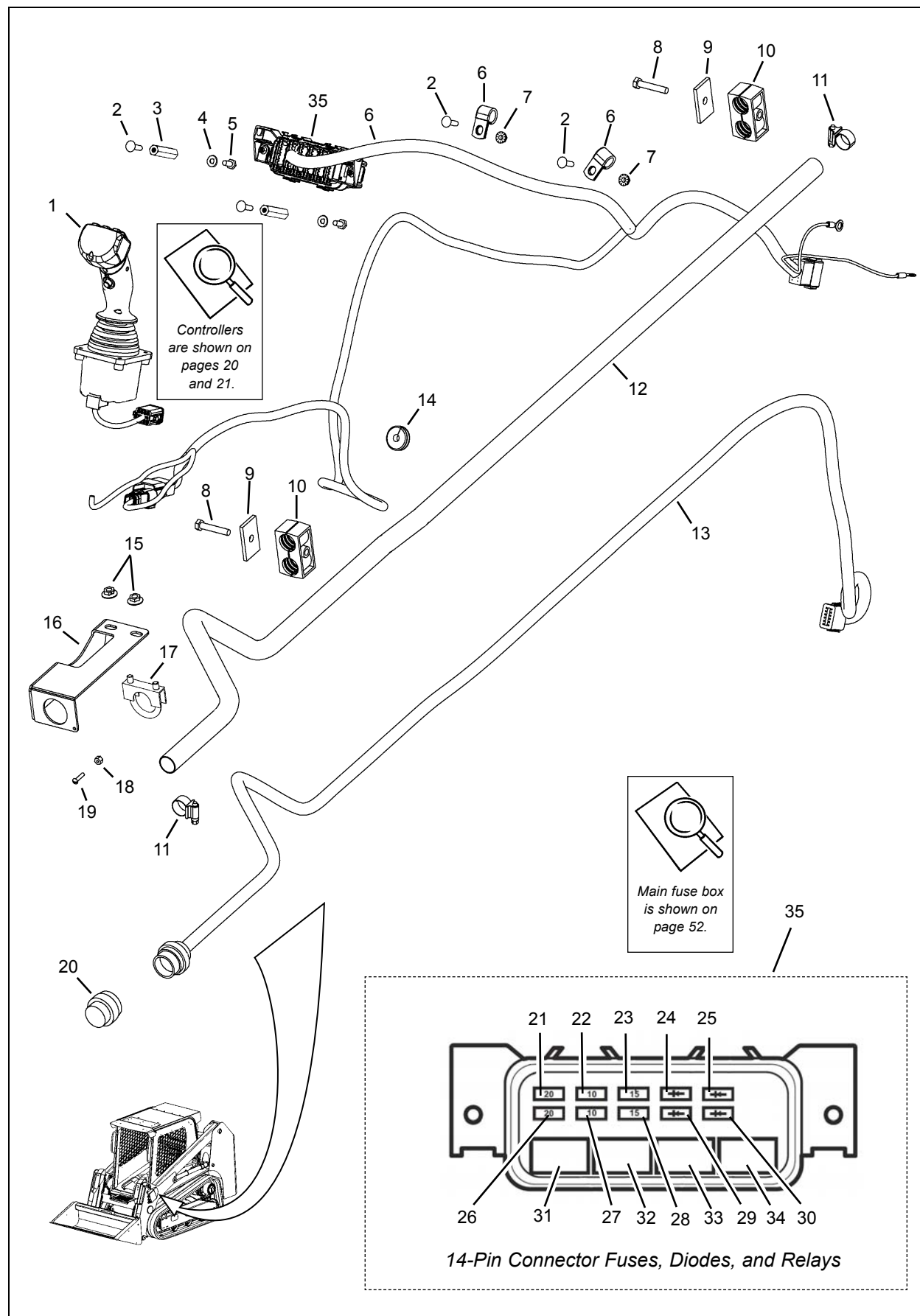
** Refer to the previous page for pins, hardware, and other items not shown here.



RT250 - LOADER ARM

14-PIN CONNECTOR (OPTION)

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RT250 - LOADER ARM

14-PIN CONNECTOR (OPTION)

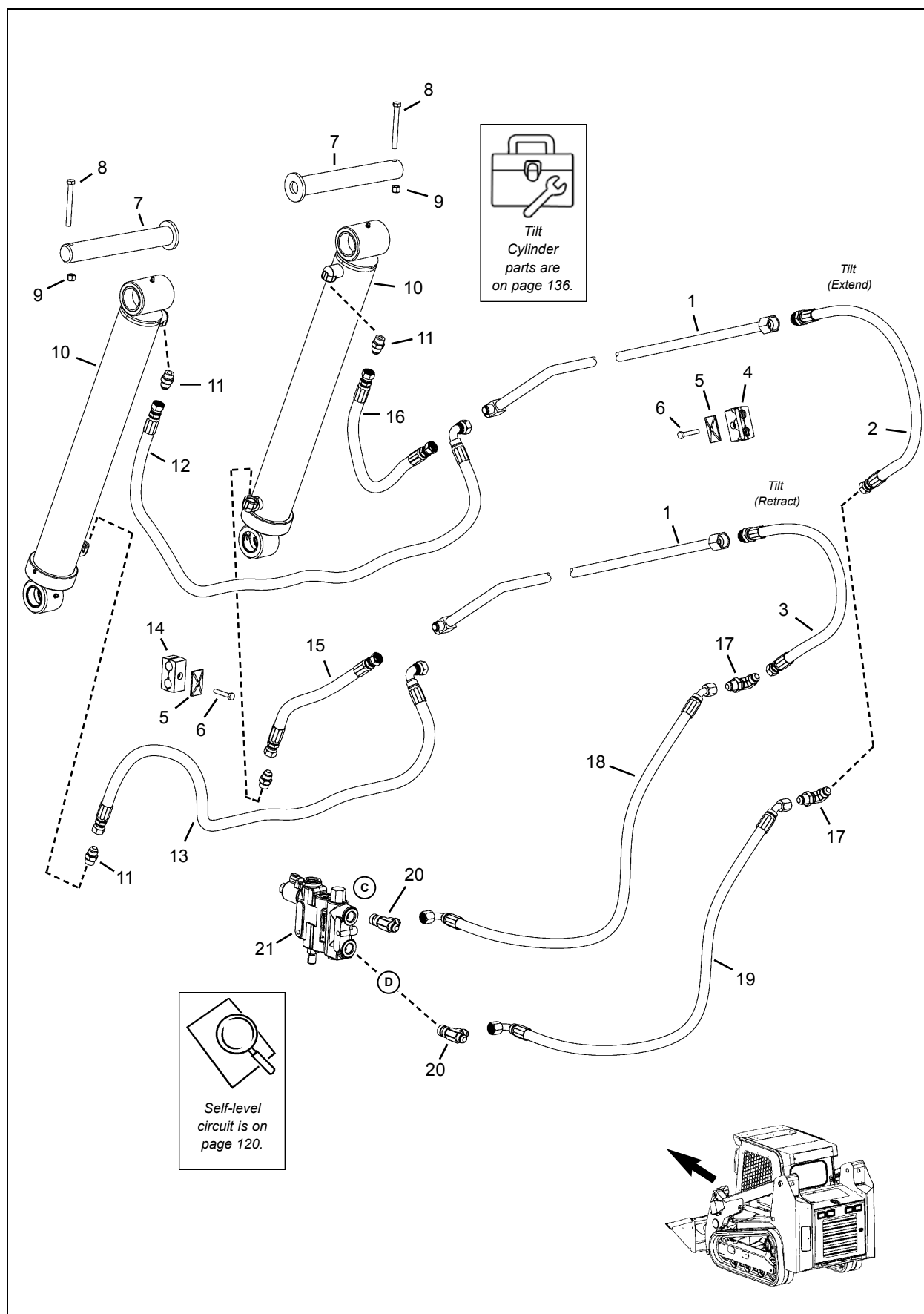
Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	50301592	JOYSTICK, 14-PIN	1	18	210-32183	NUT, #8-32	1
02	651086	CB 1/4" x 1" C5ZY	4	19	310-32288	SCREW, #8-32 x 3/4"	1
03	50302118	STAND-OFF, 1/4"-20 x 2"	2	20	194507	DUST CAP <i>(with chain-not shown)</i>	1
04	650863	FW 1/4" ANZY	2	21	184629	FUSE, MINI 20 AMP	1
05	650663	CS 1/4" x 5/8" C5ZY	2	22	184631	FUSE, MINI 10 AMP	1
06	50301778	WIRE HARNESS, 14-PIN AUX. <i>(includes items 21-34, and fuse box #35)</i>	1	23	184630	FUSE, MINI 15 AMP	1
07	210-19469	HN FL SLOC 1/4" CZY	2	24	187347	DIODE, ISO 280 MINI/1A 400VDC	1
08	650692	CS 5/16" x 1-3/4" C5ZY	2	25	187347	DIODE, ISO 280 MINI/1A 400VDC	1
09	L69833	PLATE, TOP SIZE 2 TWIN	2	26	184629	FUSE, MINI 20 AMP	1
10	190950	CLAMP, TUBE 1.0 IN. TWIN	2	27	184631	FUSE, MINI 10 AMP	1
11	087852	CLAMP, HOSE #06	2	28	184630	FUSE, MINI 15 AMP	1
12	50301967	TUBE, 14-PIN ROUTING	1	29	187347	DIODE, ISO 280 MINI/1A 400VDC	1
13	50301781	WIRE HARNESS, 14-PIN CONN.	1	30	187347	DIODE, ISO 280 MINI/1A 400VDC	1
14	242633	GROMMET 3/8" ID 1" OD	1	31	272723	RELAY, MICRO ISO 290	1
15	210-31017	HN LF CLOC 5/16 CZY	2	32	272723	RELAY, MICRO ISO 290	1
16	50301976	BRACKET, 14-PIN CONN.	1	33	272723	RELAY, MICRO ISO 290	1
17	50301964	CLAMP, MUFFLER 1-1/8"	1	34	272723	RELAY, MICRO ISO 290	1
				35	NSS	FUSE BOX PANEL <i>(included with #6)</i>	1

14-Pin Connector Fuse Panel Reference

Item No.	Description / Rating	Function
21	FUSE, MINI 20A	MAIN FUSE TO ARMING RELAY
22	FUSE, MINI 10A	POWER TO JOYSTICK
23	FUSE, MINI 15A	POWERS RELAYS 12, 13, AND 14 (POWER TO 14-PIN CONNECTOR PINS A, C, AND D)
24	DIODE, 1A, 400VDC	PARALLEL TO JOYSTICK SWITCH 2 (UP)
25	DIODE, 1A, 400VDC	PARALLEL TO JOYSTICK SWITCH 3 (UP)
26	FUSE, MINI 20A	SPARE FUSE
27	FUSE, MINI 10A	SPARE FUSE
28	FUSE, MINI 15A	SPARE FUSE
29	DIODE, 1A, 400VDC	PARALLEL TO JOYSTICK SWITCH 2 (DOWN)
30	DIODE, 1A, 400VDC	PARALLEL TO JOYSTICK SWITCH 3 (DOWN)
31	RELAY, N.O. 35A / N.C. 20A	ARMS SWITCHES AND RELAYS
32	RELAY, N.O. 35A / N.C. 20A	POWER TO 14-PIN CONNECTOR PIN A
33	RELAY, N.O. 35A / N.C. 20A	POWER TO 14-PIN CONNECTOR PIN C
34	RELAY, N.O. 35A / N.C. 20A	POWER TO 14-PIN CONNECTOR PIN C

RT250 - LOADER ARM TILT CIRCUIT HYDRAULICS

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RT250 - LOADER ARM TILT CIRCUIT HYDRAULICS

Item No.	Part No.	Description	Qty.
01	273459	TUBE, TILT - OUTER	2
02	50301887	HOSE, MP 8 x 33.0 IN.	1
03	50301372	HOSE, MP 8 x 28.0 IN.	1
04	079097	CLAMP, TUBE 0.75 (twin)	4
05	L69833	PLATE, TOP SIZE 2 (twin)	7
06	650692	CS 5/16 x 1-3/4" C5ZY	7
07	50300742	PIN, TILT CYLINDER (base end)	2
08	650629	CS 3/8 x 3-1/4 C8ZY	2
09	067847	HLN INST 3/8 CZY	2
10	50300621	CYLINDER, TILT	2
11	054626	ST MJ08-MORB08	4
12	273863	HOSE, MP 8 x 67.5 IN.	1
13	273863	HOSE, MP8 X 67.5 IN.	1
14	271282	CLAMP, HOSE 19mm (twin)	3
15	273689	HOSE, MP 8 x 19 IN.	1
16	273689	HOSE, MP 8 x 19 IN.	1

Item No.	Part No.	Description	Qty.
17	230-21555	90 BULKHD MJ08-MJ08	2
18	50301634	HOSE, MP 8 x 41.0 IN.	1
19	50301634	HOSE, MP 8 x 41.0 IN.	1
20	121387	TEE RUN MJ08-MAORB10-MJ08	2
21		VALVE, SELF-LEVEL	1
	135367	(standard) - (not shown)	
	271958	(switchable) - (shown) (Optional)	

HOSE CONNECTION:

#02 connects to bulkhead and then to self-level valve (D)

#03 connects to bulkhead and then to self-level valve (C)

#12 (see illustration on facing page)

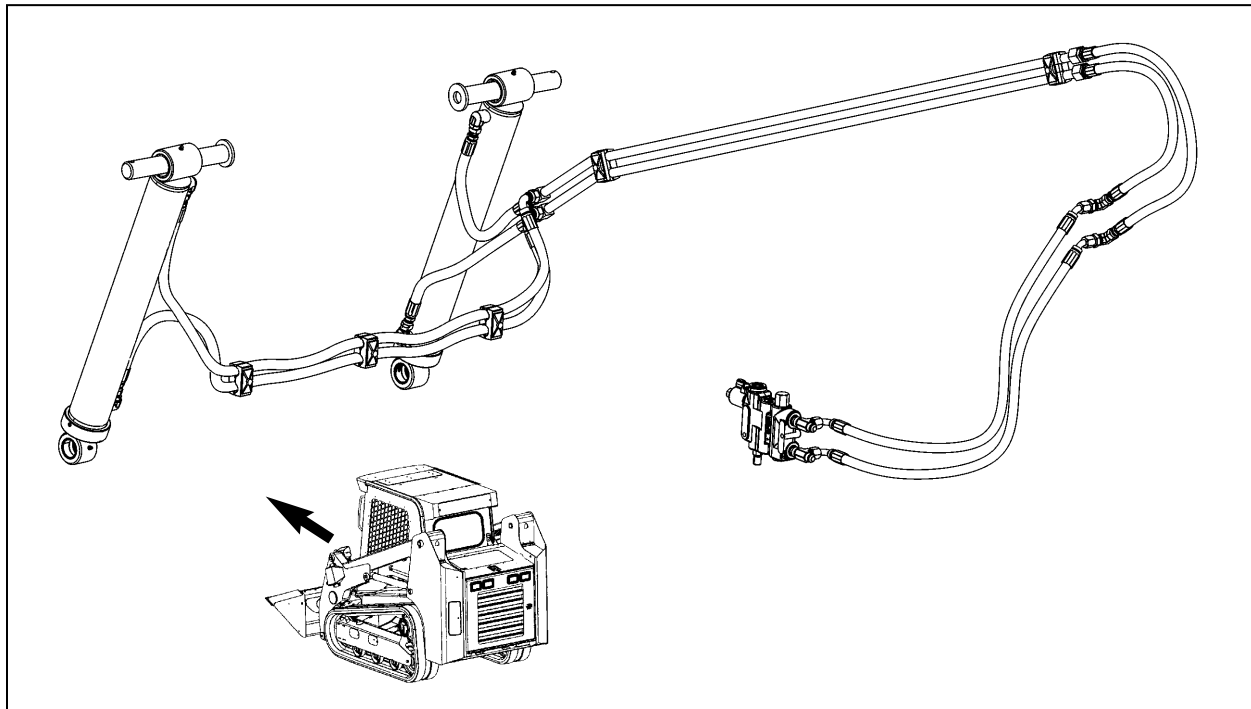
#13 (see illustration on facing page)

#15 (see illustration on facing page)

#16 (see illustration on facing page)

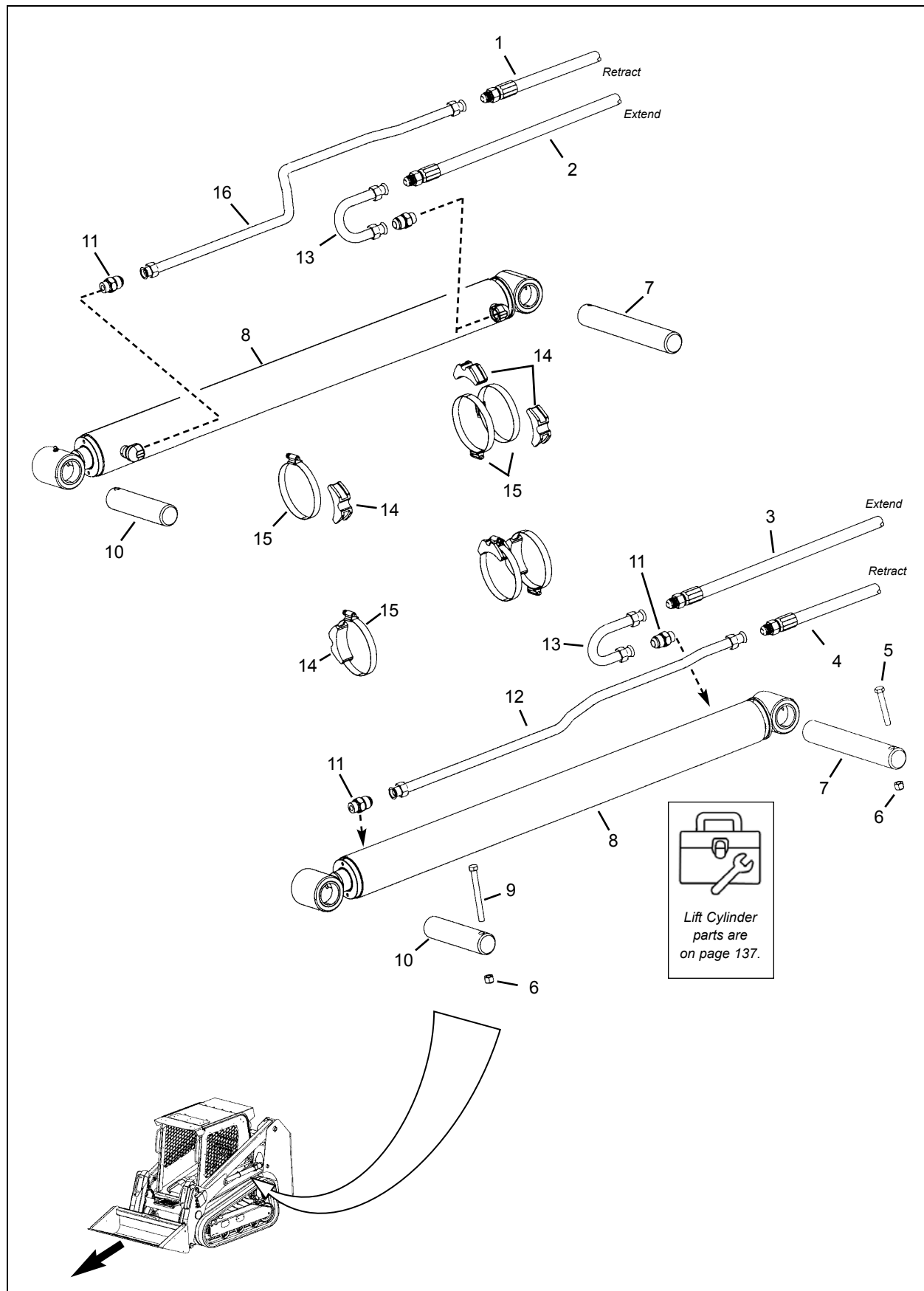
#18 connects to bulkhead and then to self-level valve (C)

#19 connects to bulkhead and then to self-level valve (D)



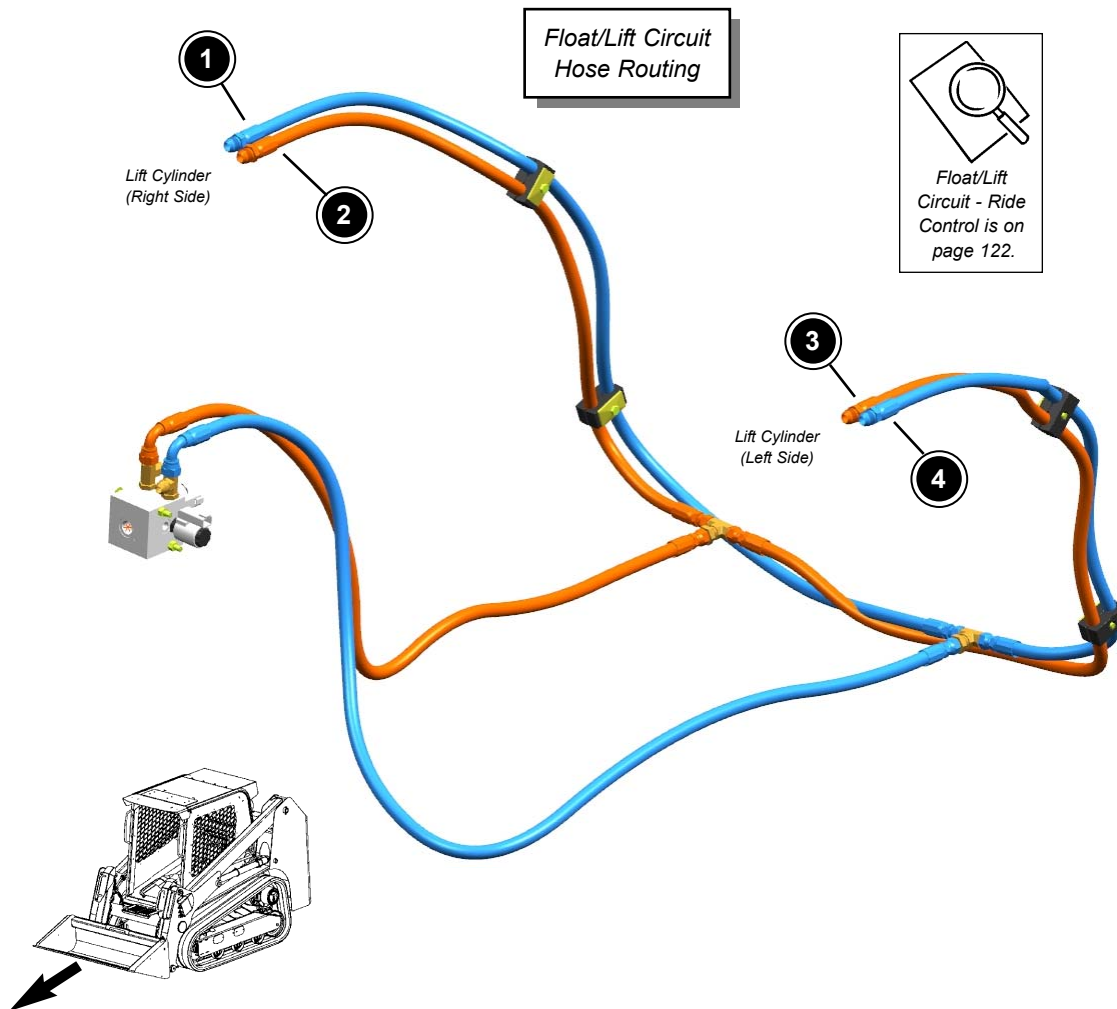
RT250 - LOADER ARM LIFT CIRCUIT HYDRAULICS

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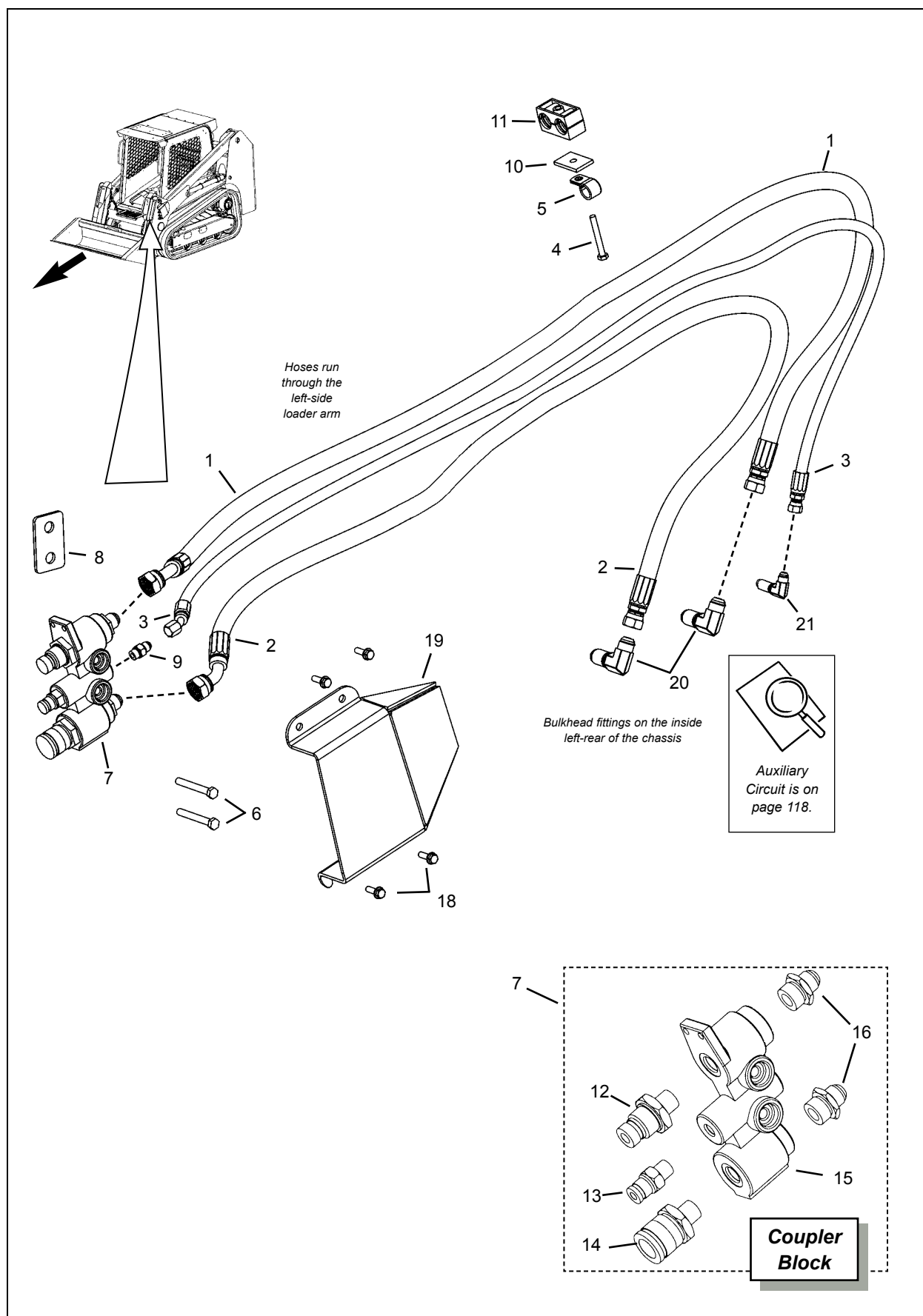


RT250 - LOADER ARM LIFT CIRCUIT HYDRAULICS

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	50301386	HOSE, MP 8 x 75.0 IN.	1	09	650629	CS 3/8 x 3-1/4 IN. C5ZY	2
02	50301384	HOSE, MP 8 x 55.0 IN.	1	10	50300740	PIN	2
03	50301386	HOSE, MP 8 x 75.0 IN.	1	11	230-30569	ST MJ10-MORB08	4
04	50301384	HOSE, MP 8 x 55.0 IN.	1	12	50300067	TUBE, LIFT CYLINDER (left)	1
05	650629	CS 3/8 x 3-1/4" C5ZY	2	13	273844	TUBE, LIFT CYLINDER	2
06	067847	HLN INST 3/8 CZY	4	14	273451	CLAMP, SADDLE 0.55 x 3.43 IN.	6
07	50300842	PIN	2	15	088937	CLAMP, HOSE #64	6
08	50300622	CYLINDER, LIFT	2	16	50300085	TUBE, LIFT CYLINDER (right)	1



AUXILIARY HYDRAULICS CIRCUIT - (STANDARD)



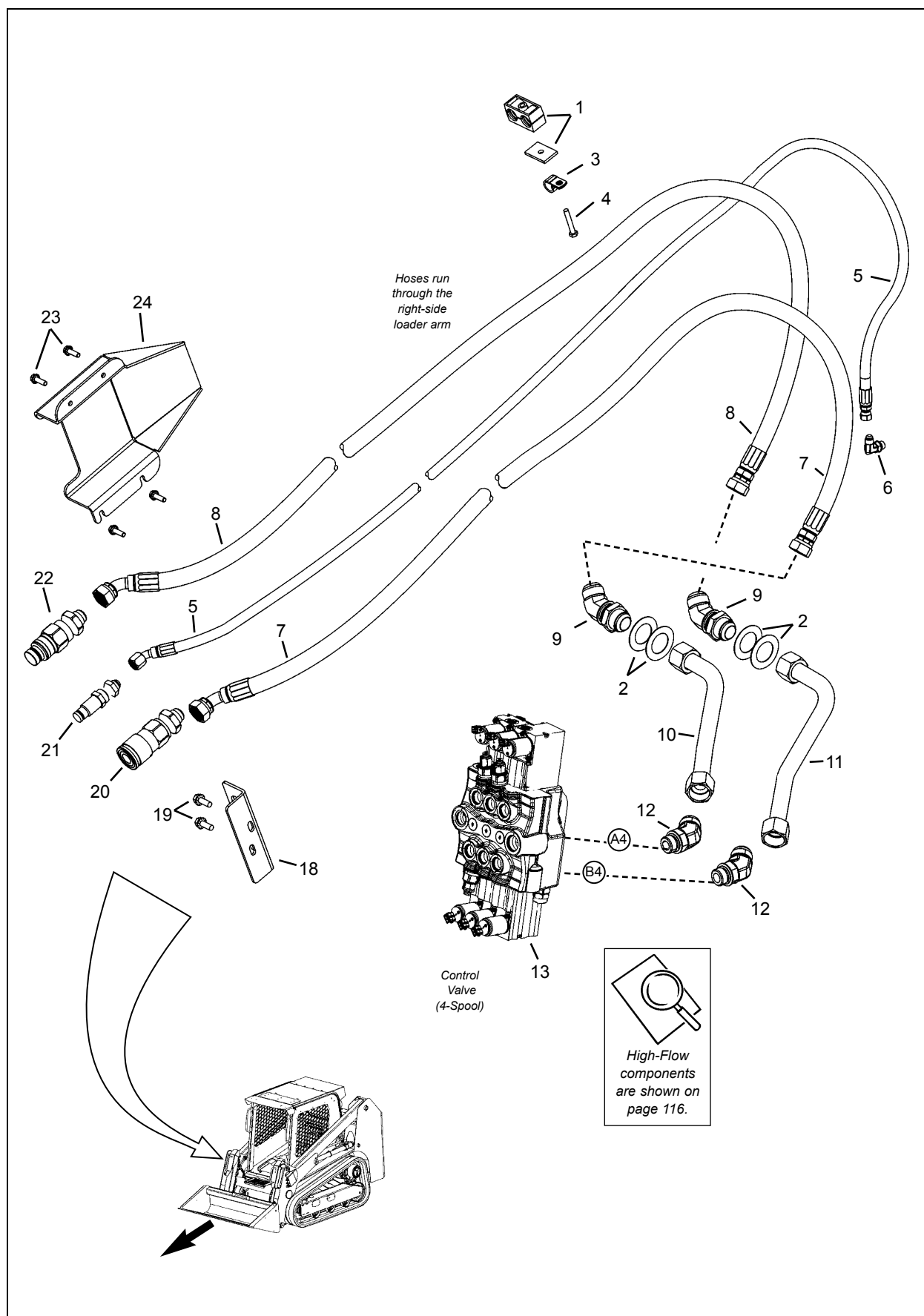
RT250 - LOADER ARM AUXILIARY HYDRAULICS CIRCUIT - (STANDARD)

Item				Item			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
01	273628	HOSE, MP10 x 104.0 IN.	1	12	50352909	COUPLER, MALE (<i>flat face</i>)	1
02	273628	HOSE, MP10 x 104.0 IN.	1	13	50352912	COUPLER, RETURN (<i>flat face</i>)	1
03	273860	HOSE, MP6 x 103.0 IN.	1	14	50352910	COUPLER, FEMALE (<i>flat face</i>)	1
04	650733	CS 5/16 x 2-1/2 C5ZY	1	15	NSS	BLOCK, MANIFOLD	1
05	136226	CLAMP, HOSE 0.75 x 0.41 (<i>vinyl</i>)	1	16	50352914	FITTING KIT 3/4" SAE	2
06	650581	CS 3/8 x 3 C8ZY	1	18	064354	CS FL LOCK 5/16" x 1" C5ZY	4
07	50352739	BLOCK, COUPLER W/PRESS. RELF. 1 (<i>includes items 12-16</i>)	1	19	273624	SHIELD	1
08	274598	SPACER, AUXILIARY COUPLER	1	20	137542	90 BLKHD MJ10-MJ10	2
09	054994	ST MJ06-MORB06	1	21	098534	90 BLKHD MJ06-MJ06	1
10	079098	PLATE, TOP	1				
11	190950	CLAMP, TUBE 1.00 TWIN	1				

HOSE CONNECTION:

#01 connects to bulkhead tee - hose to self-level valve (A3)
 #02 connects to bulkhead tee - hose to self-level valve (B3)
 #03 connects to bulkhead tee - hose to hydraulic tank return

HIGH-FLOW HYDRAULICS CIRCUIT - (OPTION)



RT250 - LOADER ARM

HIGH-FLOW HYDRAULICS CIRCUIT - (OPTION)

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	100541	CLAMP, HOSE 1.00 IN. TWIN	1	18	275977	BRACKET, COUPLER	1
02	50302380	WASHER/BULKHEAD	4	19	076589	CS FL LOCK 3/8" x 1" C5ZY	2
03	136226	CLAMP, HOSE .075" x 0.41"	1	20	137059	COUPLER, FEMALE MJ12	1
04	650733	CS 5/16 x 2-1/2" C5ZY	1	21	131958	COUPLER, MALE MJ08	1
05	274114	HOSE, MP 6 x 110.0 IN. *	1	22	137058	COUPLER, MALE MJ12	1
06	068938	90 MJ06-MAORB06	1	23	064354	CS FL LOCK 5/16" x 1" C5ZY	4
07	273631	HOSE, MP 12 x 106.0 IN.	1	24	276002	SHIELD	1
08	273631	HOSE, MP 12 x 106.0 IN.	1				
09	50300089	45 BULKHD MJ16-MJ16	2				
10	50301009	TUBE, HIGH-FLOW	1				
11	50301012	TUBE, HIGH-FLOW	1				
12	274605	45 MJ16-MAORB12	2				
13	50302469	VALVE, 4-SPOOL EH CONTROL	1				

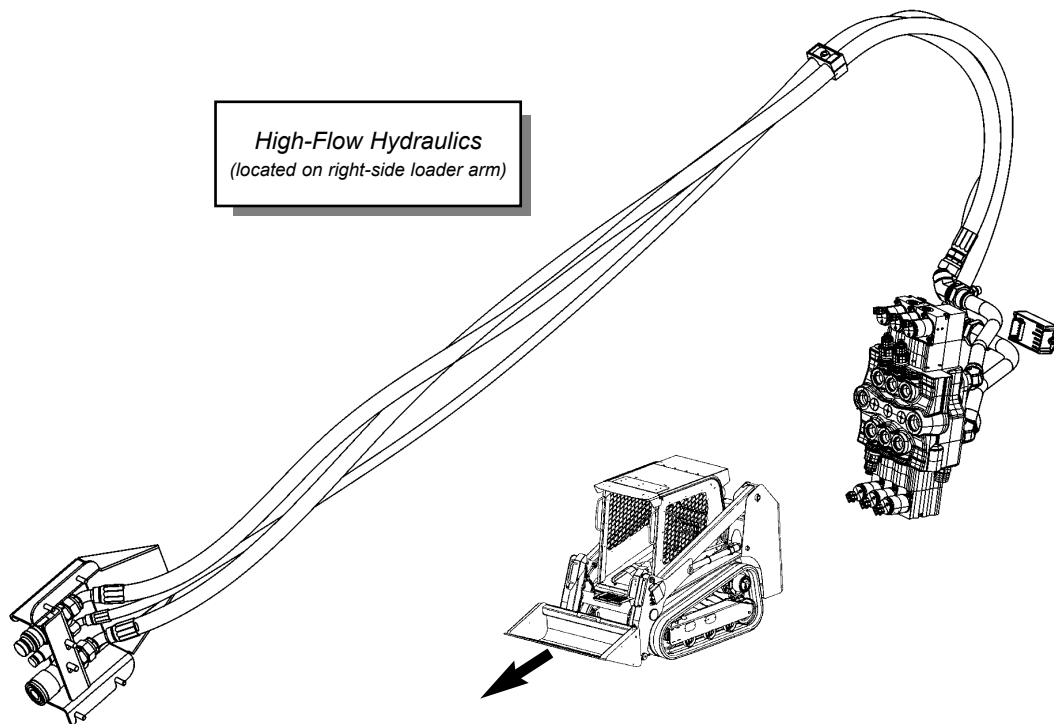
HOSE CONNECTION:

#05 connects to hydraulic tank return (*front side of tank*)

#07 connects to main hydraulic valve (A4)

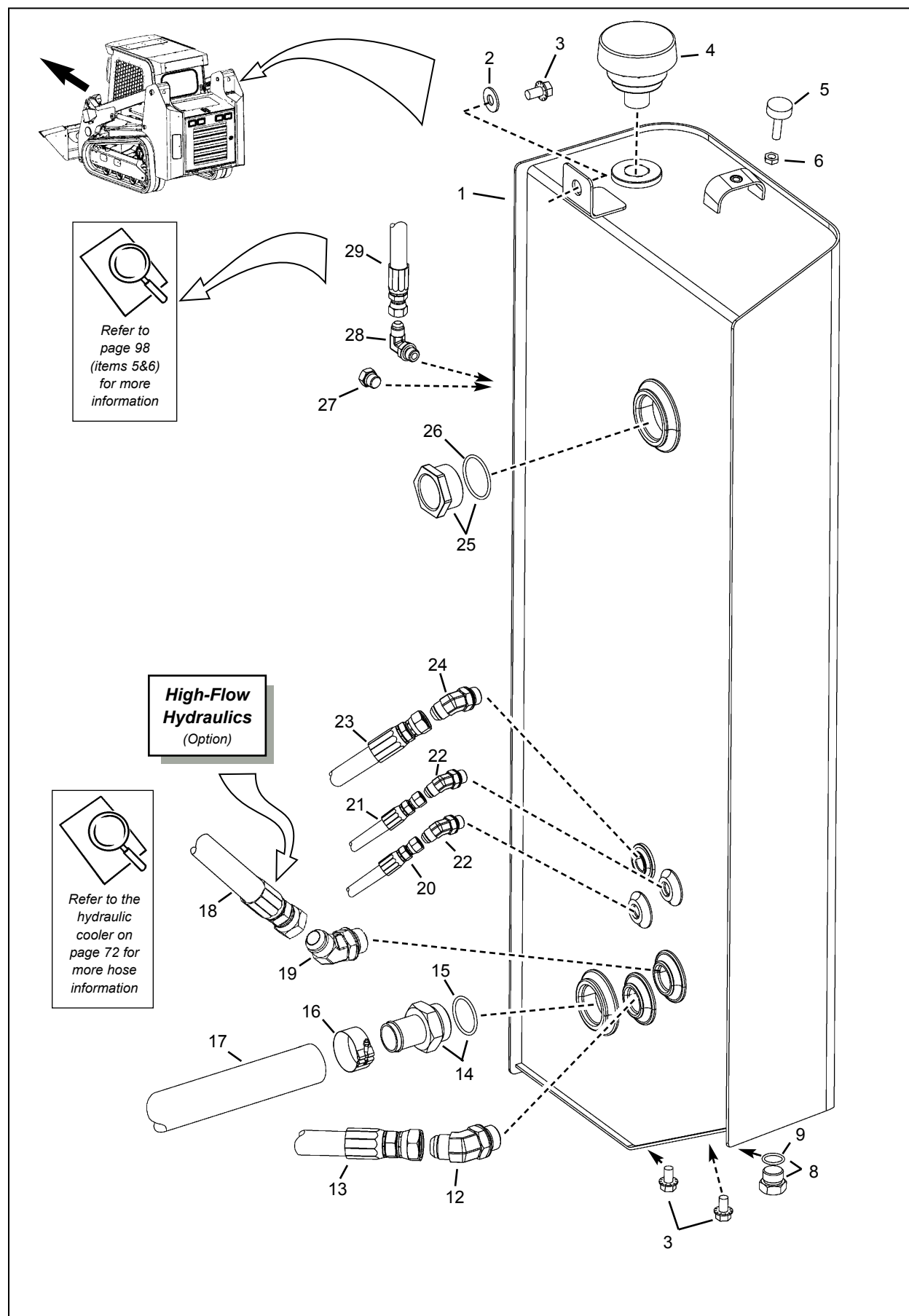
#08 connects to main hydraulic valve (B4)

* Also shown on the next page as item 29.



HYDRAULIC TANK

(Late-Style Tank - identified by the integrated vent fill cap item #4)



RT250 - HYDRAULIC SYSTEM

HYDRAULIC TANK

(Late-Style Tank - identified by the integrated vent fill cap item #4)

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	50303765	WELDMENT, HYDRAULIC TANK	1	19	274605	45 MJ16-MAORB12	1
02	654006	FW 3/8 AWZY	1	20	273867	HOSE, MP 6 x 74.0 IN.	1
03	139438	CS FL LOCK 3/8" x 5/8"	3	21	50301382	HOSE, MP4 x 67.0 IN.	1
04	138877	FILTER, VENTILATION	1	22	079026	45 MJ06-MAORB06	2
05	131913	BUMPER	1	23	273907	HOSE, MP8 x 49.0 IN.	1
06	653034	HLN 5/16" C2ZY	1	24	076880	45 MJ08-MAORB08	1
08	131577	PLUG MORB10	1	25	134756	SIGHT PORT (oil level)	1
09	055898	O-RING (included with item 8)	1	26	274125	O-RING (included with item 25)	1
12	055064	45 MJ12-MAORB12	1	27	122778	PLUG, MORB06 (std. hydraulics)	1
13	50301262	HOSE, MP12 x 75 IN.	1	28	068938	ADAP., MJ06-MAORB06 *	1
14	230-32412	ADAP., MAORB20-BARB	1	29	274114	HOSE, MP 6 x 110.0 IN. *	1
15	077970	O-RING (included with item 14)	1				
16	193743	CLAMP, T-BOLT 1.75 IN.	1				
17	50301897	HOSE, LP 20 x 88.0 IN. (suction)	1				
	50300818	GUARD, POLY HOSE (not shown)	1				
18		HOSE, HYDRAULIC RETURN	1				
	50301489	HOSE, MP12 x 55.0 IN. (Std. Hyd.)					
	50303157	HOSE, MP16 x 54.0 IN. (Aux. Hyd.)					

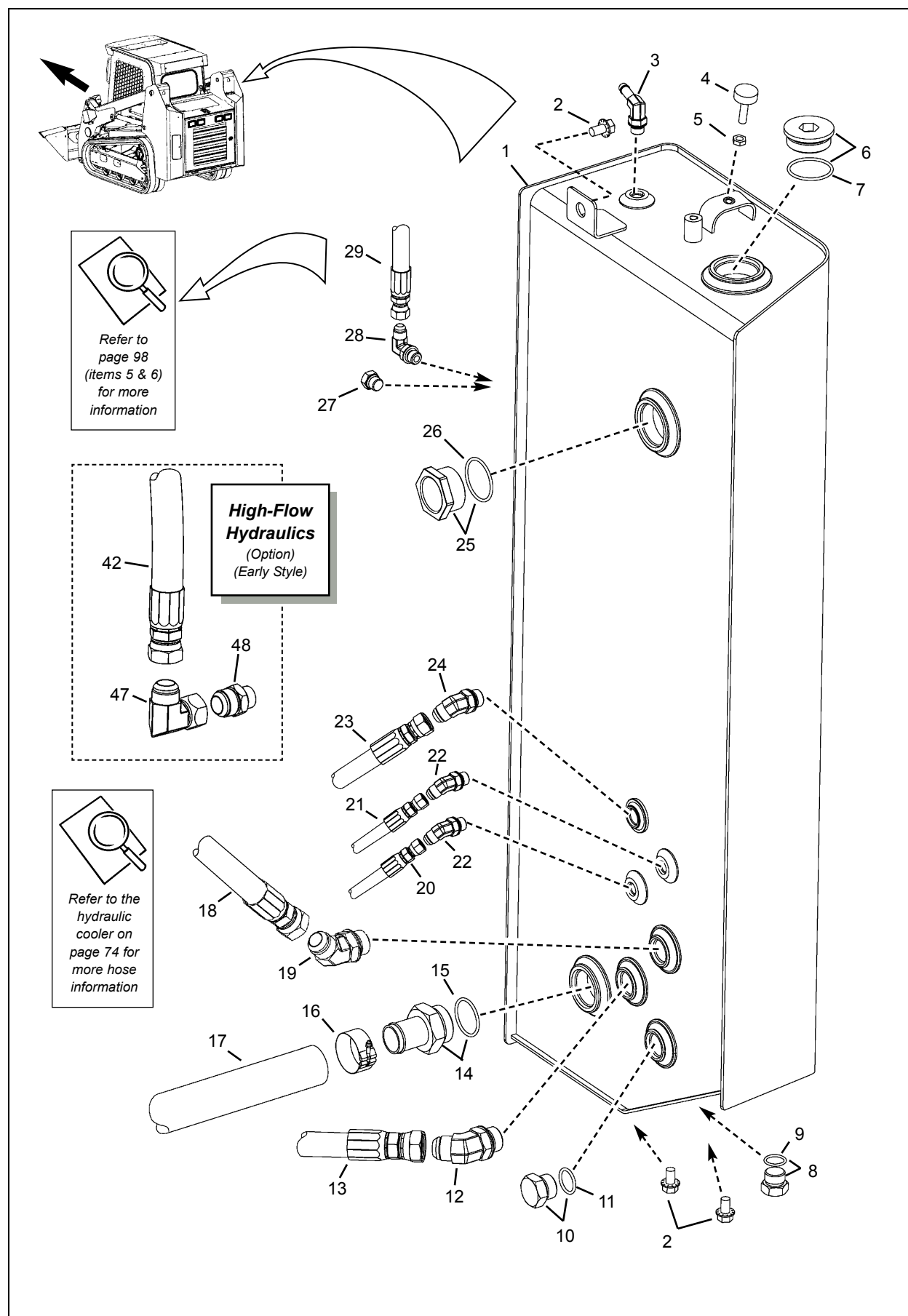
* Used when machine is equipped with high-flow hydraulics option.

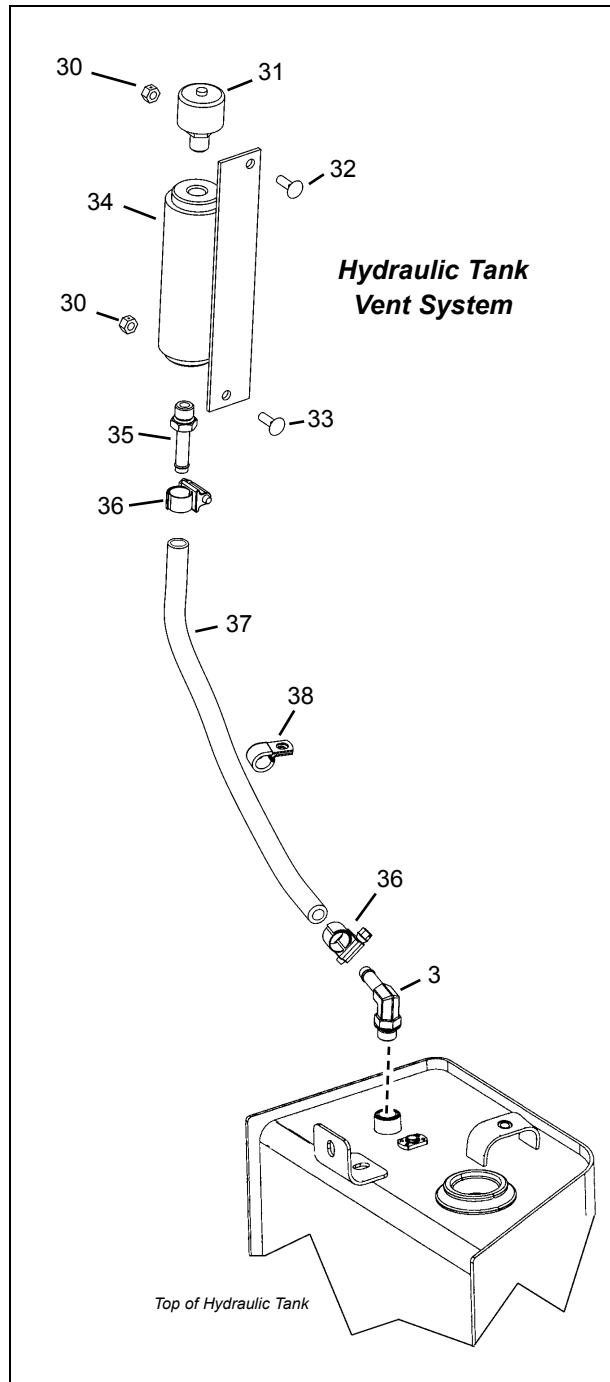
HOSE CONNECTION:

- #13 connects to T1 on Pilot Pressure Manifold
- #17 connects to hydraulic pump
- #18 connects to hydraulic cooler (upper port)
- #20 connects to auxiliary hydraulics (loader arm left side)
- #21 connects to hydraulic main valve (bottom TEE)
- #23 connects to "TEE" on right side drive motor
- #29 connects to High-Flow hydraulics (loader arm right side)

HYDRAULIC TANK

(Early-Style Tank - identified by vent system and fill plug #6)



(Early-Style Tank - identified by vent system and fill plug #6)**HOSE CONNECTION:**

- #13 connects to T1 on Pilot Pressure Manifold
- #17 connects to hydraulic pump
- #18 connects to hydraulic cooler (upper port) — connects to steel tube on early machines or directly to the cooler on later machines.
- #20 connects to auxiliary hydraulics (loader arm left side)
- #21 connects to hydraulic main valve (bottom TEE)
- #23 connects to "TEE" on right side drive motor
- #29 connects to High-Flow hydraulics (loader arm right side)
- #42 connects to hydraulic cooler (upper port) **

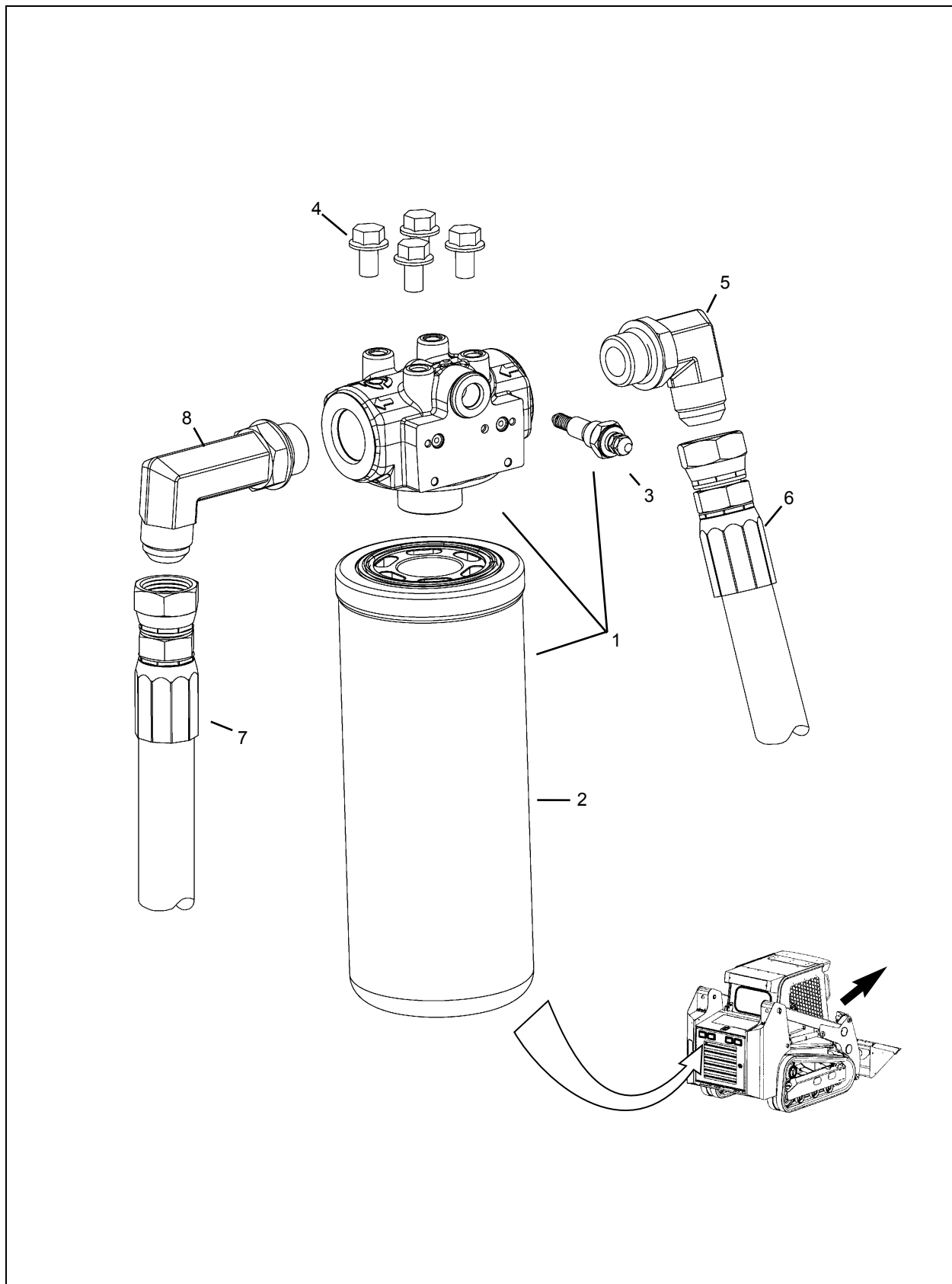
Item No.	Part No.	Description	Qty.
01	50302527	WELDMENT, HYDRAULIC TANK	1
02	139438	CS FL LOCK 3/8" x 5/8"	3
03	194180	90 HB06-MAORB06	1
04	131913	BUMPER	1
05	653034	HLN 5/16" C2ZY	1
06	271689	PLUG, -24 (hydraulic oil fill)	1
07	274125	O-RING (included with item 6)	1
08	131577	PLUG MORB10	1
09	055898	O-RING (included with item 8)	1
10	131522	PLUG MORB12	1
11	048953	O-RING (included with item 10)	1
12	055064	45 MJ12-MAORB12	1
13	50301262	HOSE, MP12 x 75 IN.	1
14	230-32412	ADAP., MAORB20-BARB	1
15	077970	O-RING (included with item 14)	1
16	193743	CLAMP, T-BOLT 1.75 IN.	1
17	50301897	HOSE, LP 20 x 88.0 IN. (suction)	1
	50300818	GUARD, POLY HOSE (not shown)	1
18	137599	HOSE, MP12 x 26.0 IN. (Std. Hyd.)	1
19	055064	45 MJ12-MAORB12	1
20	273867	HOSE, MP 6 x 74.0 IN.	1
21	50301382	HOSE, MP4 x 67.0 IN.	1
22	079026	45 MJ06-MAORB06	2
23	273907	HOSE, MP8 x 49.0 IN.	1
24	076880	45 MJ08-MAORB08	1
25	134756	SIGHT PORT (oil level)	1
26	274125	O-RING (included with item 25)	1
27	122778	PLUG, MORB06 (std. hydraulics)	1
28	068938	ADAP., MJ06-MAORB06	1
29	274114	HOSE, MP 6 x 110.0 IN.	1
30	071700	LN 1/4 CBZY	2
31	50302525	BREATHER	1
32	651086	CB 1/4" x 1" C5ZY	1
33	650758	CB 1/4" x 3/4" C5ZY	1
34	50302530	BREATHER STANDPIPE	1
35	50301160	ST HB06-MORB06	1
36	087852	HOSE CLAMP #06	2
37	50302537	HOSE, FUEL 3/8" x 16"	1
38	L71042	CLAMP, VINYL 0.50" x 0.28"	1
42	50302969	HOSE, MP 16 x 56 " *	1
47	088117	90 MJ16-FJS16 *	1
48	054818	ST MJ16-MORB12 *	1

* Used when machine is equipped with high-flow hydraulics option on early-style machines.



NOTE: Be aware when ordering items 18, 19, 42, 47, and 48 that early- and late-style machines used different hoses and fittings. For additional information, refer to the hydraulic cooler shown on pages 72 and 74.

RT250 - HYDRAULIC SYSTEM
HYDRAULIC FILTER ASSEMBLY



RT250 - HYDRAULIC SYSTEM

HYDRAULIC FILTER ASSEMBLY

Item No.	Part No.	Description	Qty.
01	272452	HYDRAULIC FILTER ASSEMBLY <i>(includes items 2 and 3)</i>	1
02	074830	HYDRAULIC FILTER	1
03	137360	SWITCH, FILTER RESTRICTION	1
04	139438	CS FL LOCK 3/8" x 5/8" C5ZY	4
05	055005	90 MJ12-MAORB12	1

Item No.	Part No.	Description	Qty.
06	50301996	HOSE, MP12 x 56.0 IN.	1
07	135025	HOSE, MP12 X 36.0 IN.	1
08	140883	90-LL MJ12-MAORB12	1

HOSE CONNECTION:

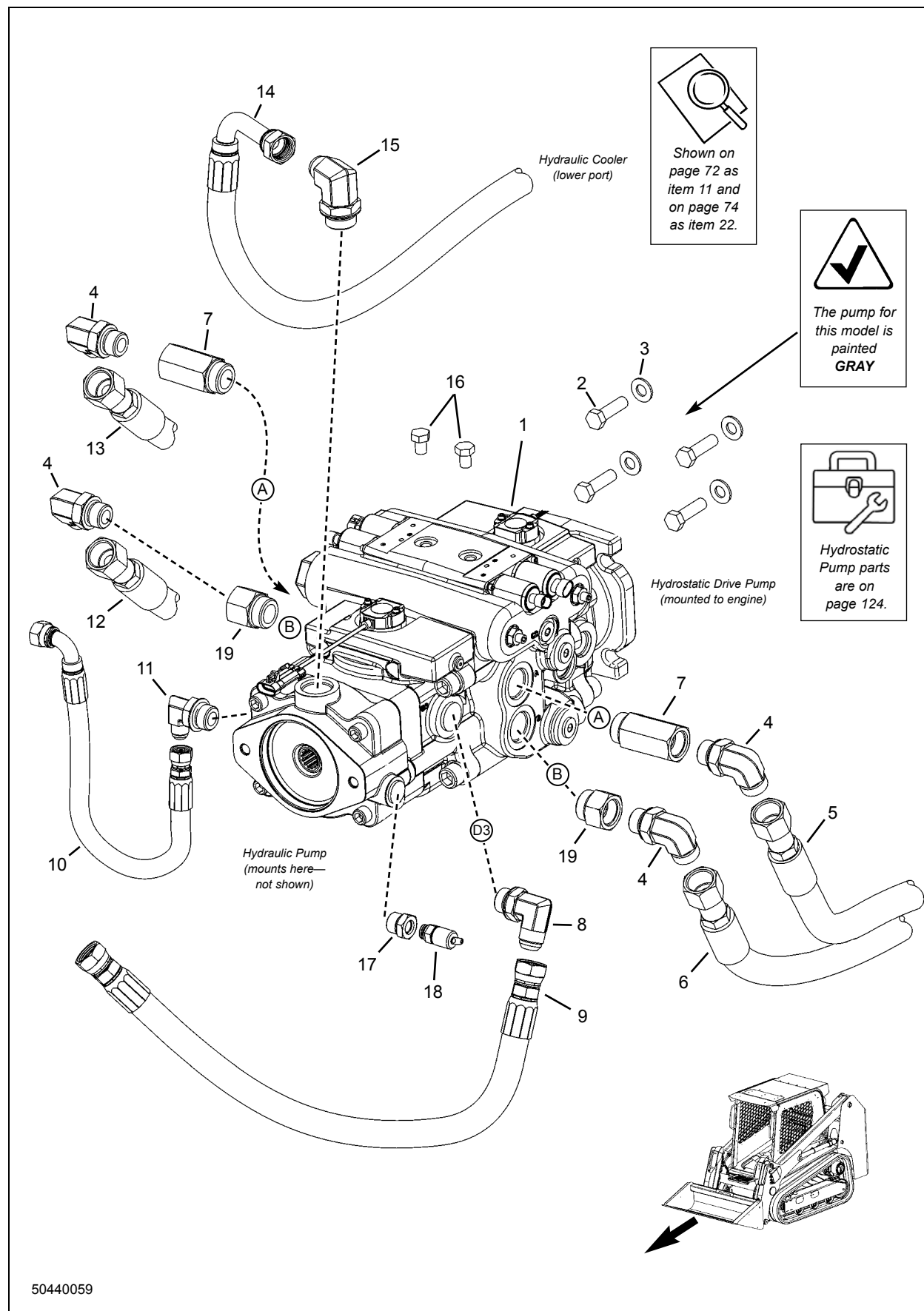
#06 connects to hydraulic main valve (T)

#07 connects to hydraulic cooler (tee - lower port)

RT250 - HYDRAULIC SYSTEM

HYDROSTATIC DRIVE PUMP CIRCUIT

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RT250 - HYDRAULIC SYSTEM HYDROSTATIC DRIVE PUMP CIRCUIT

Item No.	Part No.	Description	Qty.
01	50302024	PUMP, EH TANDEM HYDRO 62cc	1
02	273445	CS 1/2" x 1-3/4" SP C5ZY	4
03	145833	FW 1/2" HT ZY	4
04	272867	90 MC20-MAORB12-S	4
05	50302509	HOSE, HP 12 x 29.0 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2
06	50302511	HOSE, HP 12 x 31.0 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2
07	50302376	ST MORB16-FORB12 SP	2
08	055005	90 MJ12-MAORB12	1
09	273883	HOSE, MP 12 x 30.0 IN.	1
10	273926	HOSE, MP 8 x 22.25 IN.	1
11	076031	90 MJ08-MAORB10	1
12	50302509	HOSE, HP 12 x 29 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2

Item No.	Part No.	Description	Qty.
13	50302510	HOSE, HP 12 x 24 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2
14	50301444	HOSE, MP 12 x 68"	1
15	121684	90 MJ12-MAORB16	1
16	651668	CS M12-1.75x16 C8.8 ZY DIN931	2
17	L51763	ST MORB10-FORB06	1
18	193562	TEST PORT - 9/16-18 UNF	1
19	50300121	ST MORB16-FORB12	2

HOSE CONNECTION:

#05 connects to left-side drive motor
 #06 connects to left-side drive motor
 #09 connects to pilot pressure manifold (DR)
 #10 connects to pilot pressure manifold (P)
 #12 connects to right-side drive motor
 #13 connects to right-side drive motor
 #14 connects to hydraulic cooler (lower tee)

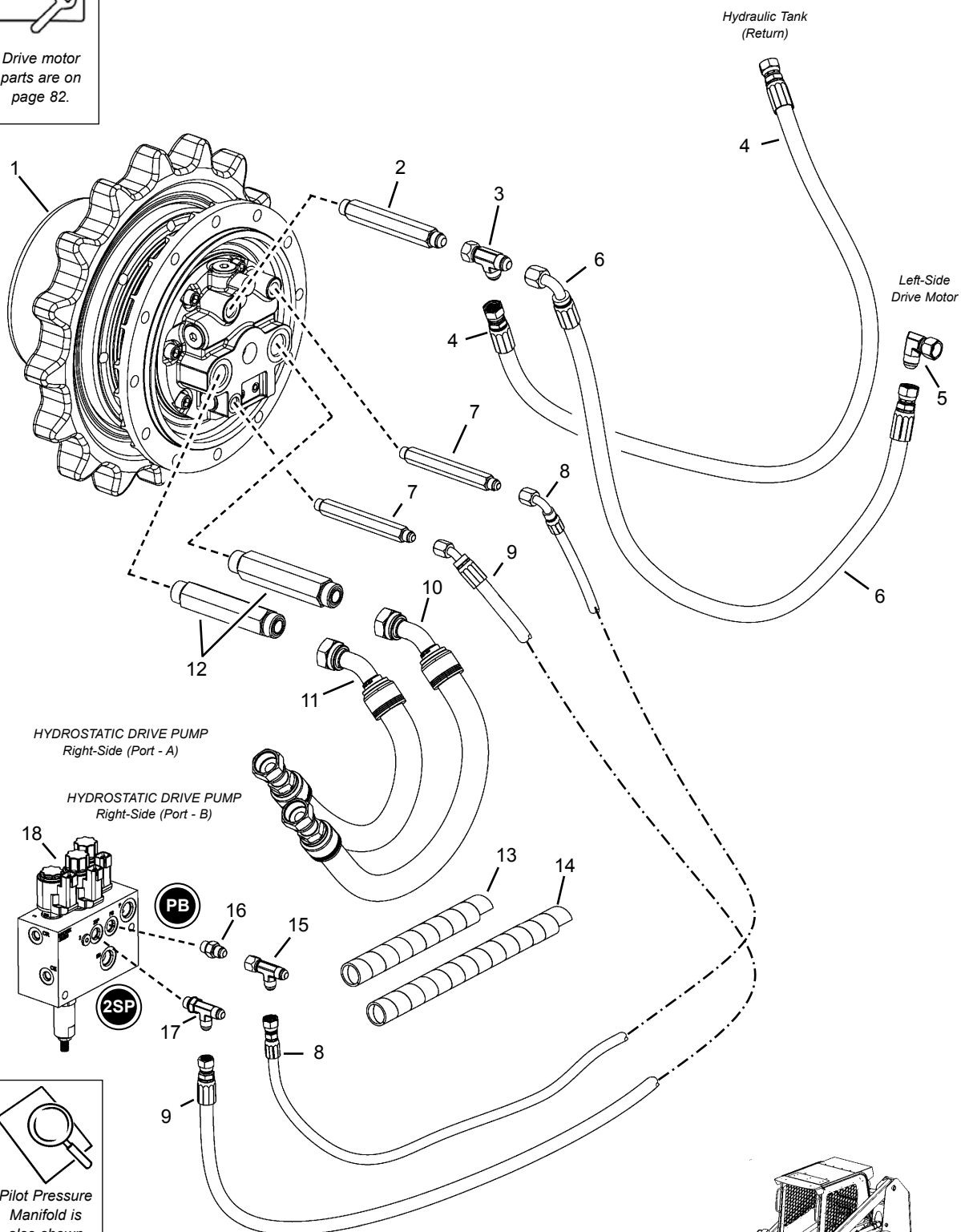
RT250 - HYDRAULIC SYSTEM

TRACK DRIVE CIRCUIT - RIGHT SIDE

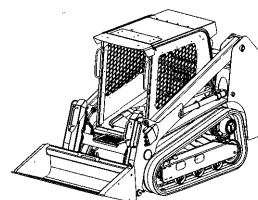
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Drive motor parts are on page 82.



Pilot Pressure Manifold is also shown on page 112.

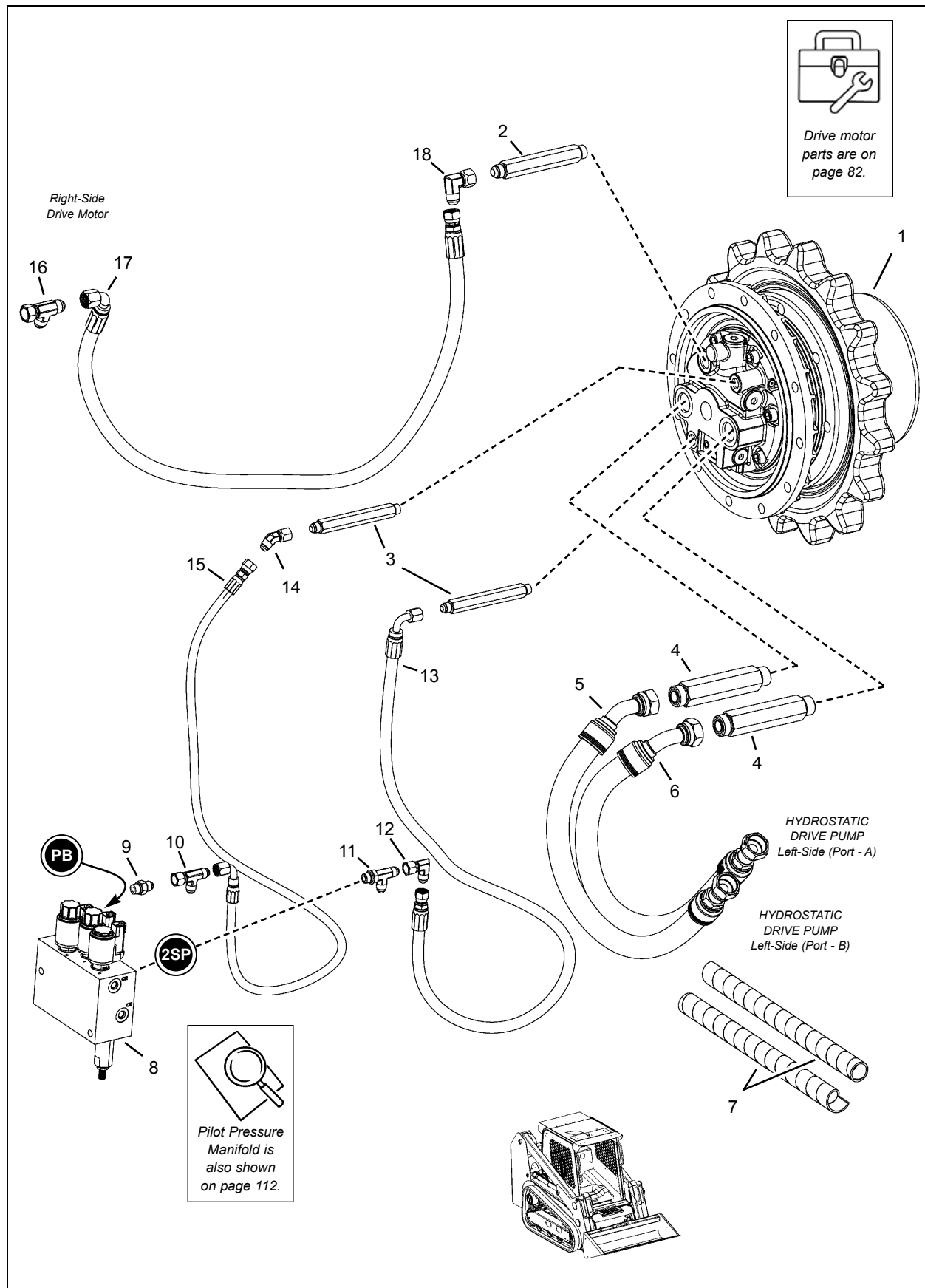


RT250 - HYDRAULIC SYSTEM TRACK DRIVE CIRCUIT - RIGHT SIDE

Item No.	Part No.	Description	Qty.
01	274423	MOTOR, DRIVE 1273cc W/FLANGE <i>(does not include sprocket—sprocket is shown on page 75, item 6.)</i>	1
02	271709	ST-LN MJ08-MORB08	1
03	076143	TEE MJ08-FJS08-MJ08	1
04	273907	HOSE, MP 8 x 49.0 IN.	1
05	088442	90 MJ08-FJS08	1
06	50301625	HOSE, MP 8 x 46.0 IN.	1
07	273650	ST-LN MJ060MORB06	2
08	50301629	HOSE, MP 4 x 56.0 IN.	1
09	50301295	HOSE, MP 6 x 52.0 IN.	1

Item No.	Part No.	Description	Qty.
10	50302509	HOSE, HP 12 x 29.0 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2
11	50302510	HOSE, HP 12 x 24.0 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2
12	50302378	ST MC20-MORB12-S-SP	2
13	50302220	GUARD, HOSE POLY 1.0 x 10.0 IN. <i>(used with hose; item 11)</i>	1
14	50300818	GUARD, HOSE POLY 1.0 x 15.0 IN. <i>(used with hose; item 10)</i>	1
15	072806	TEE MJ06-FJS06-MJ06	1
16	054994	ST MJ06-MORB06	1
17	054820	TEE RUN MJ06-MAORB06-MJ06	1
18	274477	MANIFOLD, PILOT PRESSURE	1

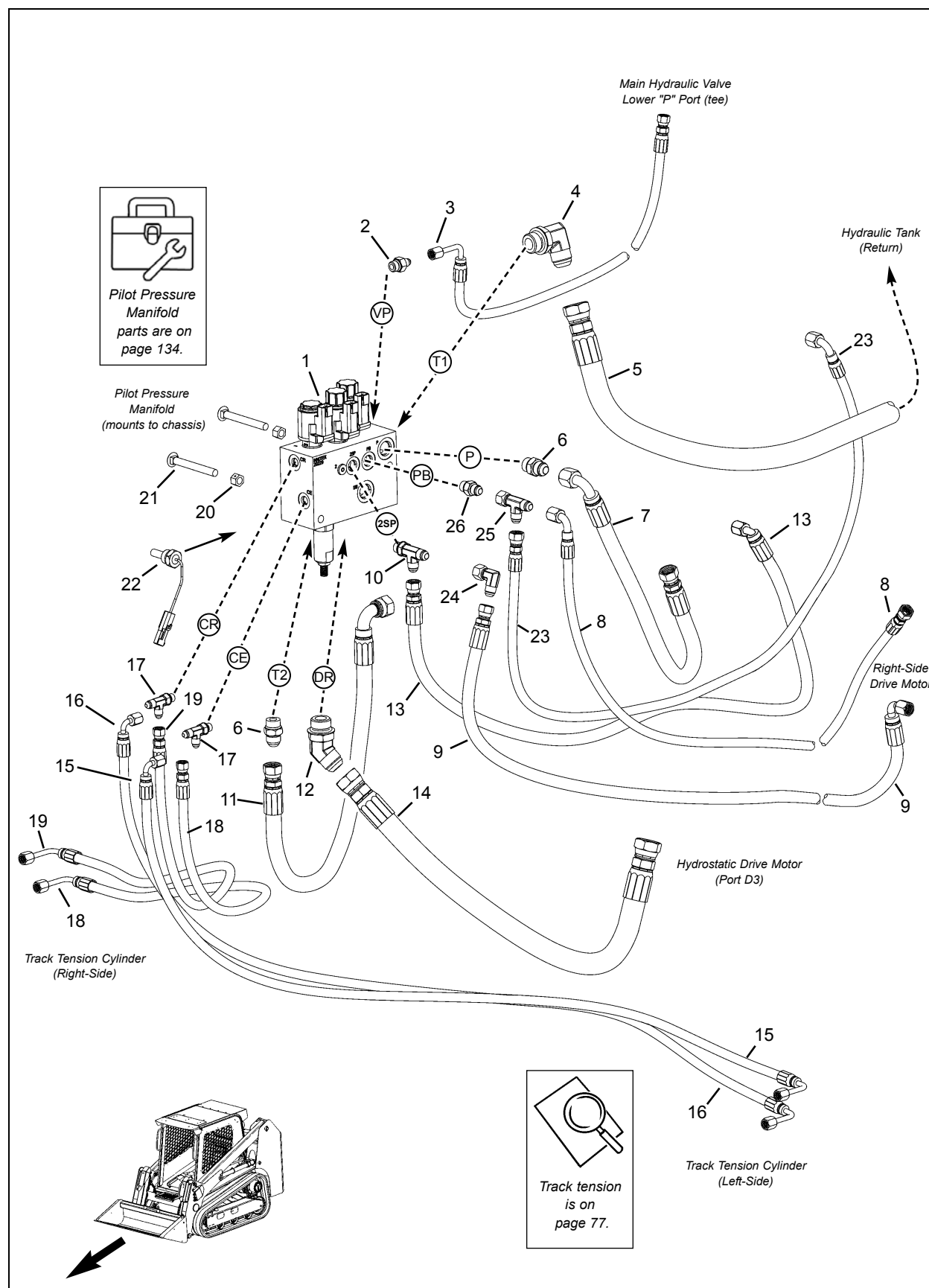
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RT250 - HYDRAULIC SYSTEM
TRACK DRIVE CIRCUIT - LEFT SIDE



RT250 - HYDRAULIC SYSTEM TRACK DRIVE CIRCUIT - LEFT SIDE

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	274423	MOTOR, DRIVE 1273cc W/FLANGE <i>(does not include sprocket—sprocket is shown on page 75, item 6.)</i>	1	08	274477	MANIFOLD, PILOT PRESSURE	1
02	271709	ST-LN MJ08-MORB08	1	09	054994	ST MJ06-MORB06	1
03	273650	ST-LN MJ060MORB06	2	10	072806	TEE MJ06-FJS06-MJ06	1
04	50302378	ST MC20-MORB12-S-SP	2	11	054820	TEE RUN MJ06-MAORB06-MJ06	1
05	50302511	HOSE, HP 12 x 31.0 IN.	1	12	091039	90 MJ06-FJS06	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2	13	50301292	HOSE, MP 6 x 58.0 IN.	1
06	50302509	HOSE, HP 12 x 29.0 IN.	1	14	095456	45 MJ06-FJS06	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2	15	50302080	HOSE, MP 4 x 53.5 IN	1
07	50300818	GUARD, HOSE POLY 1.0 x 15.0 IN.	2	16	076143	TEE MJ08-FJS08-MJ08	1
				17	50301625	HOSE, MP 8 x 46.0 IN.	1
				18	088442	90 MJ08-FJS08	1

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RT250 - HYDRAULIC SYSTEM
PILOT PRESSURE MANIFOLD CIRCUIT

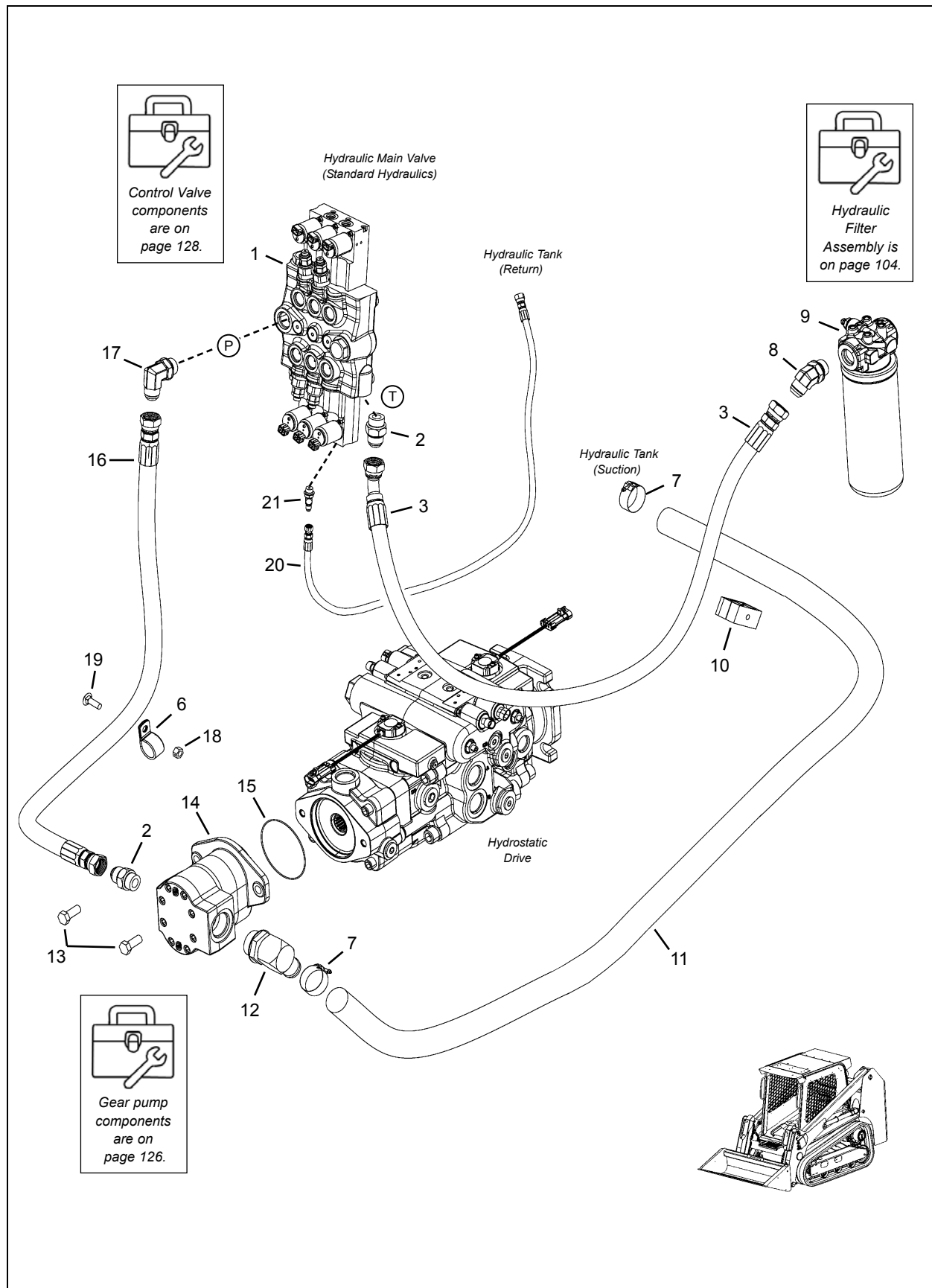


RT250 - HYDRAULIC SYSTEM PILOT PRESSURE MANIFOLD CIRCUIT

Item No.	Part No.	Description	Qty.
01	274477	PILOT PRESSURE MANIFOLD	1
02	50304010	ST MJ04-MORB06/SP	1
03	50302211	HOSE, MP 4 x 29.0 IN.	1
04	055005	90 MJ12-MAORB12	1
05	50301262	HOSE, MP 12 x 75.0 IN.	1
06	054626	ST MJ08-MORB08	2
07	273926	HOSE, MP 8 x 22.25 IN.	1
08	50302080	HOSE, MP 4 x 53.5 IN.	1
09	50301292	HOSE,MP 6 x 58.0 IN.	1
10	054820	TEE RUN MJ06-MAORB06-MJ06	1
11	274023	HOSE, MP 8 x 23.5 IN.	1
12	055064	45 MJ12-MAORB12	1
13	50301295	HOSE, MP 6 x 52.0 IN.	1

Item No.	Part No.	Description	Qty.
14	273883	HOSE, MP 12 x 30.0 IN.	1
15	274386	HOSE, MP 4 x 53.0 IN.	1
16	274386	HOSE, MP 4 x 53.0 IN.	1
17	171629	TEE RUN MJ04-MAORB04-MJ04	2
18	274389	HOSE, MP 4 x 31.0 IN.	1
19	274389	HOSE, MP 4 x 31.0 IN.	1
20	071703	LN 3/8" CBZY	2
21	652059	CB 3/8" x 3-1/4" C5ZY	2
22	132049	TEMPERATURE SWITCH	1
23	50301629	HOSE, MP 6 x 56.0 IN.	1
24	091039	90 MJ06-FJS06	1
25	072806	T MJ06-FJS06-MJ06	1
26	054994	ST MJ06-MORB06	1

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RT250 - HYDRAULIC SYSTEM
HYDRAULIC PUMP CIRCUIT - (STANDARD HYDRAULICS)

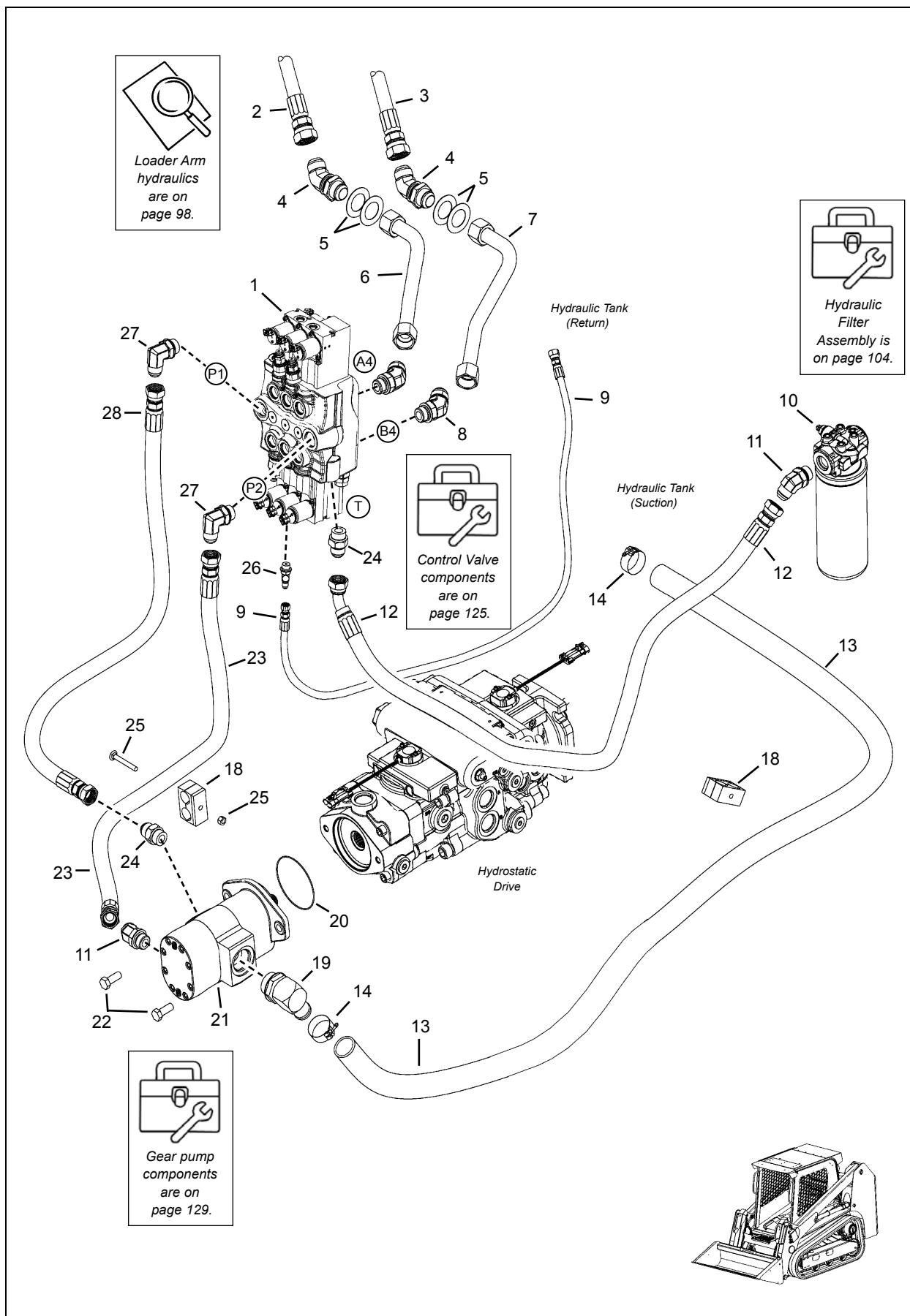


RT250 - HYDRAULIC SYSTEM

HYDRAULIC PUMP CIRCUIT - (STANDARD HYDRAULICS)

Item				Item			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
01	50302471	VALVE, 3-SPOOL EH CONTROL	1	13	50280004	CS 1/2 x 1-1/4 SP C5ZY	2
02	072587	ST MJ12-MORB12	2	14	50301347	PUMP, GEAR 41cc/IRON	1
03	50301996	HOSE, MP 12 x 56.0 IN.	1	15	132248	O-RING	1
07	193743	CLAMP, T-BOLT 1.75 IN	2	16	50302344	HOSE, MP 12 x 45.0 IN.	1
08	055005	90 MJ12-MAORB12 (90°)	1	17	055005	90 MJ12-MAORB12	1
09	272452	HYDRAULIC FILTER ASSEMBLY	1	18	071701	LN 5/16 CBZY	1
10	100541	CLAMP, HOSE 1.0 IN. TWIN	1	19	650573	CB 5/16" x 1" C5ZY	1
11	50301897	HOSE, LP 20 x 88.0 IN. (<i>suction</i>)	1	20	50301382	HOSE, MP 4 x 67.0 IN.	1
12	188974	90 HB20-MAORB20	1	21	272287	TEE RUN MJ040MAORB06-MJ04	1

RT250 - HYDRAULIC SYSTEM
HYDRAULIC PUMP CIRCUIT - (HIGH-FLOW HYDRAULICS — OPTION)

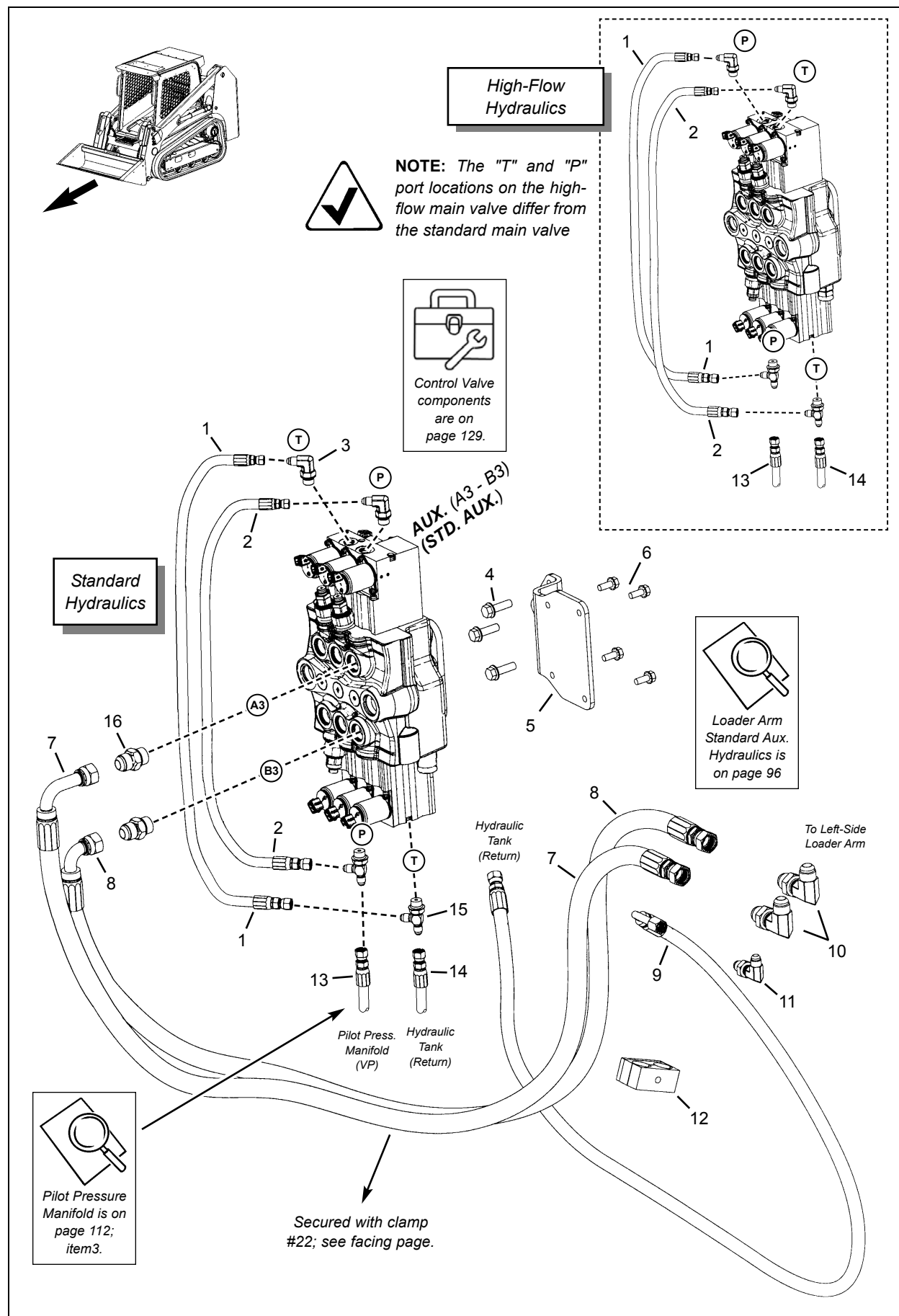


RT250 - HYDRAULIC SYSTEM

HYDRAULIC PUMP CIRCUIT - (HIGH-FLOW HYDRAULICS — OPTION)

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	50302469	VALVE, 4-SPOOL EH CONTROL	1	14	193743	CLAMP, T-BOLT 1.75 IN.	2
02	273631	HOSE, MP 12 x 106.0 IN.	1	18	100541	CLAMP, HOSE 1.0 IN. TWIN	2
03	273631	HOSE, MP 12 x 106.0 IN.	1	19	188974	90 HB20-MAORB20	1
04	50300089	45 BLKHD MJ16-MJ16	2	20	132248	O-RING 045 N70	1
05	50302380	WASHER, BULKHEAD	4	21	50301345	PUMP, GEAR 41+20.5 IRON	1
06	50301009	TUBE, HIGH FLOW	1	22	50280004	CS 1/2 x 1-1/4 SP C5ZY	2
07	50301012	TUBE, HIGH FLOW	1	23	50301555	HOSE, MP 12 x 48.0 IN.	1
08	274605	45 MJ16-MAORB12	2	24	072587	ST JM12-MORB12	2
09	50301382	HOSE, MP 4 x 67.0 IN.	1	25	652040	CB 5/16" x 2-1/2" C5ZY	1
10	272452	HYDRAULIC FILTER ASSEMBLY	1	26	272287	TEE RUN MJ040MAORB06-MJ04	1
11	055005	90 MJ12-MAORB12 (90°)	2	27	055005	90 JM12-MAORB12	2
12	50301996	HOSE, MP 12 x 56.0 IN.	1	28	50302344	HOSE, MP 12 x 45.0 IN.	1
13	50301897	HOSE, LP 20 x 88.0 IN.	1				

AUXILIARY / HIGH-FLOW HYDRAULICS MAIN VALVE CIRCUIT



RT250 - HYDRAULIC SYSTEM

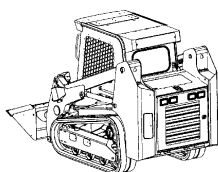
AUXILIARY / HIGH-FLOW HYDRAULICS MAIN VALVE CIRCUIT

Item No.	Part No.	Description	Qty.
01	271476	HOSE, MP 4 x 24.0 IN.	1
02	271476	HOSE, MP 4 x 24.0 IN.	1
03	230-32693	90 MJ04-MAORB6	2
04	081377	CS FL LOCK 3/8 x 1-1/4 C5Z7	3
05	273566	BRACKET	1
06	081380	CS FL LOCK 5/16 x 3/4 C5ZY	4
07	50301377	HOSE, MP 10 x 56.0 IN. L90	1
08	50301375	HOSE, MP 10 x 60.0 IN. S90	1
09	273867	HOSE, MP 6 x 74.0 IN.	1
10	137542	90 BLKHD MJ10-MJ10	2
11	098534	90 BLKHD MJ06-MJ06	1
12	100541	CLAMP, HOSE 1.00 IN. TWIN	1
13	50302211	MP 4 x 29.0 IN.	1
14	50301382	HOSE, MP 4 x 67.0 IN.	1
15	272287	TEE RUN MJ04-MORB06-MJ04	2
16	072580	ST MJ10-MORB10	2

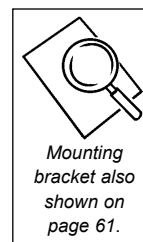
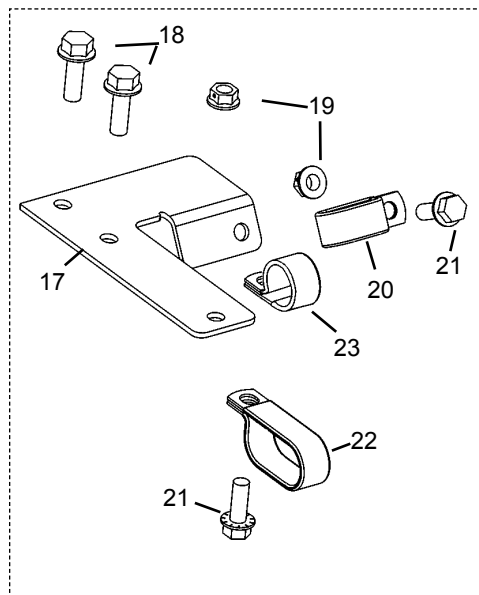
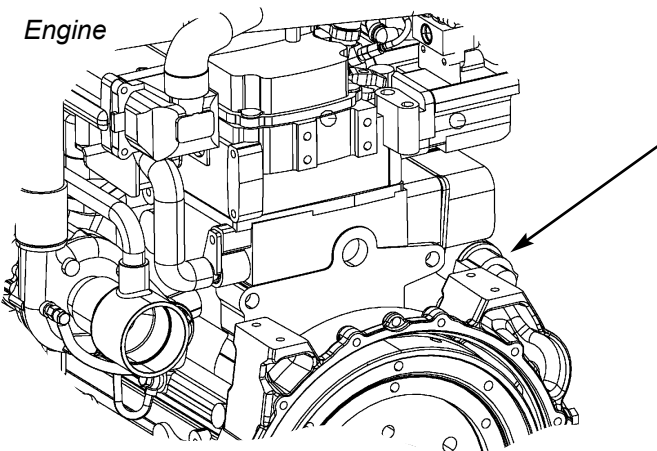
Item No.	Part No.	Description	Qty.
17	50301998	PLATE, CLAMP MOUNT	1
18	50300078	CS FLH M10-1.5 x 30 10.9	2
19	210-19533	HN FL CLOC 3/8 CZY	2
20	055021	CLAMP, VINYL 0.75 x 0.41 IN.	1
21	076589	CS FL LOCK 3/8" x 1" C5ZY	2
22	271341	CLAMP, VINYL 1.0 x 0.41 IN. DBL.	1
23	L45666	CLAMP, VINYL 1.0 x 0.41 IN.	1

HOSE CONNECTION:

- #01 - Hydraulic valve (T) to hydraulic valve (T)
- #02 - Hydraulic valve (P) to hydraulic valve (P)
- #07 - Hydraulic valve (A3) to bulkhead fitting to loader arm
- #08 - Hydraulic valve (B3) to bulkhead fitting to loader arm
- #09 - Bulkhead fitting/lift arm aux. to hydraulic tank return
- #13 - Hydraulic valve (P) [Tee] to pilot press. manifold (VP)
- #14 - Hydraulic valve (T) to hydraulic tank return

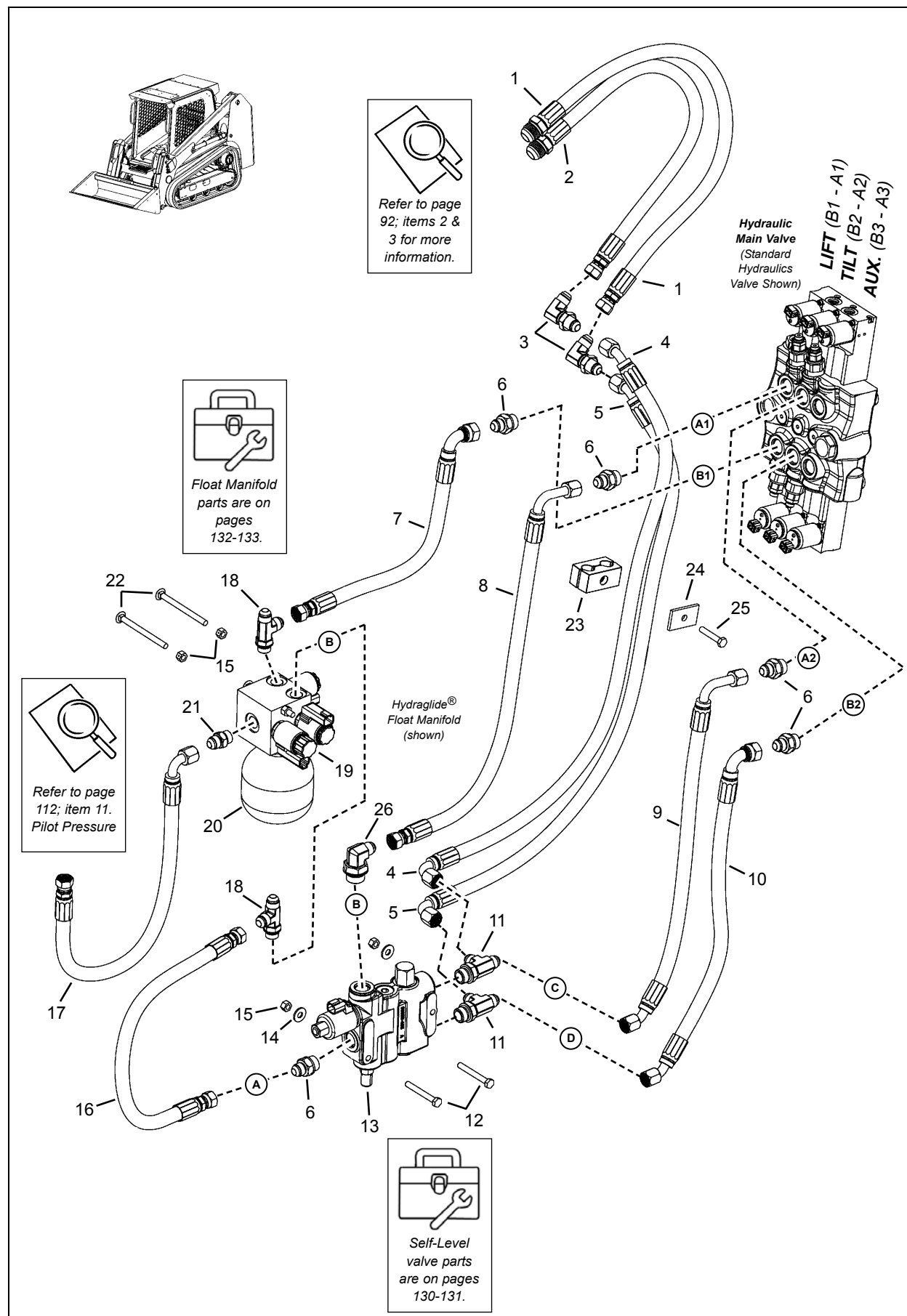


Mounting Bracket
(to secure hoses 7 and 8
shown on facing page)



RT250 - HYDRAULIC SYSTEM SELF-LEVEL CIRCUIT

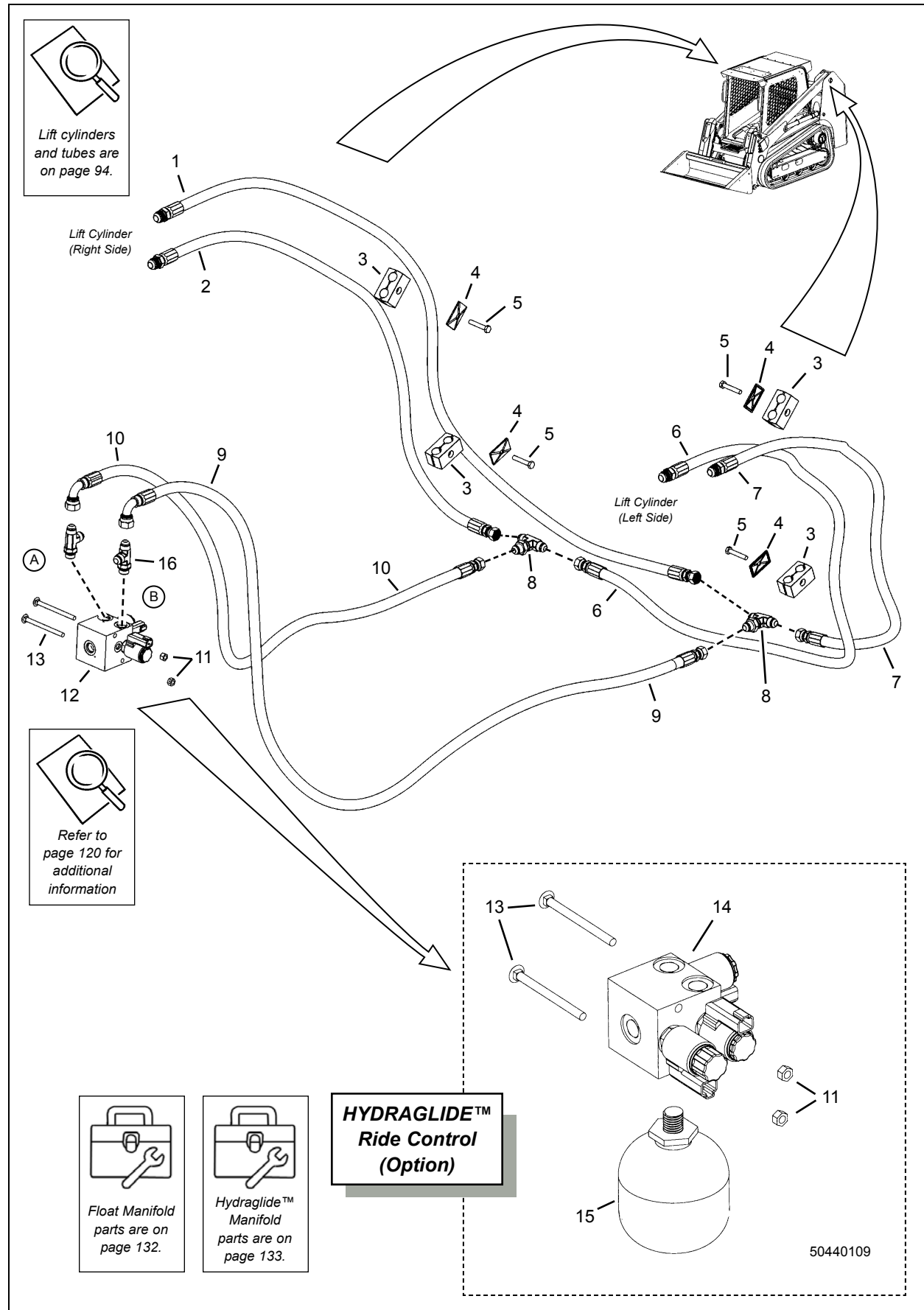
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RT250 - HYDRAULIC SYSTEM SELF-LEVEL CIRCUIT

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	50301887	HOSE, MP 8 x 33.0 IN. <i>(tilt circuit)</i>	1	14	654004	FW 5/16 AWZY	2
02	50301372	HOSE, MP 8 x 28.0 IN. <i>(tilt circuit)</i>	1	15	071701	LN 5/16 CBZY	4
03	230-21555	90 BLKHD MJ08-MJ08	2	16	271448	HOSE, MP 8 x 23.0 IN.	1
04	50301634	HOSE, MP 8 x 41.0 IN.	1	17	274023	HOSE, MP 8 x 23.5 IN.	1
05	50301634	HOSE, MP 8 x 41.0 IN.	1	18	114742	TEE RUN MJ08-MAORB08-MJ08	2
06	089099	ST MJ08-MORB10	5	19		FLOAT MANIFOLD	1
07	274033	HOSE, MP 8 x 18.0 IN.	1		184363	HYDRAGLIDE™ <i>(option-shown)</i>	
08	274030	HOSE, MP 8 x 26.0 IN.	1		274011	MANIFOLD <i>(standard-not shown)</i>	
09	274024	HOSE, MP 8 x 22.0 IN.	1	20	184415	ACCUMULATOR	1
10	274025	HOSE, MP 8 x 21.25 IN.	1			<i>(used with Hydraglide™ option)</i>	
11	121387	TEE RUN MJ08-MAORB10-MJ08	2	21	054626	ST MJ08-MORB08	1
12	650733	CS 5/16 x 2-1/2 C5ZY	2	22	651712	CB 5/16" x 4" C5ZY	2
13		VALVE, SELF-LEVEL	1	23	271282	CLAMP, HOSE 19mm TWIN	1
	271958	<i>(switchable-option) - (shown)</i>		24	079098	PLATE, TOP SIZE 2 TWIN FLAT	1
	135367	<i>(standard) - (not shown)</i>		25	650692	CS 5/16" x 1-3/4" C5ZY	1
				26	076031	90 MJ08-MAORB10	1

RT250 - HYDRAULIC SYSTEM
 FLOAT/LIFT CIRCUIT - (STANDARD)
 HYDRAGLIDE™ RIDE CONTROL - (OPTION)



RT250 - HYDRAULIC SYSTEM

FLOAT/LIFT CIRCUIT - (STANDARD)

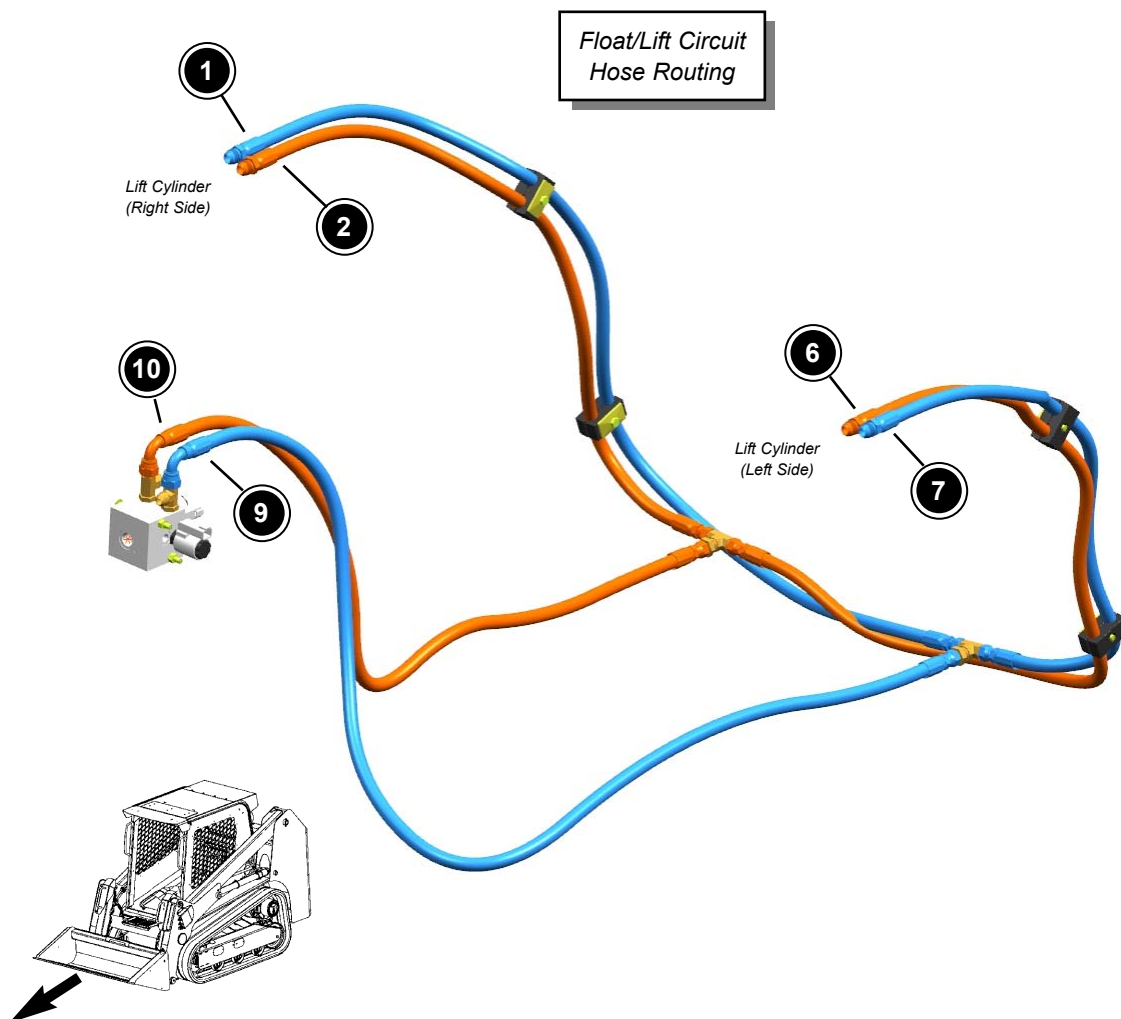
HYDRAGLIDE™ RIDE CONTROL - (OPTION)

Item No.	Part No.	Description	Qty.
01	50301386	HOSE, MP 8 x 75.0 IN. (lift circuit)	1
02	50301384	HOSE, MP 8 x 55.0 IN. (lift circuit)	1
03	271283	CLAMP, TUBE 23mm TWIN	4
04	L69833	PLATE, TOP SIZE 2 TWIN	4
05	650692	CS 5/16" x 1-13/4"	4
06	50301386	HOSE, MP 8 x 75.0 IN. (lift circuit)	1
07	50301384	HOSE, MP 8 x 55.0 IN. (lift circuit)	1
08	135578	TEE BLKHD BR MJ08-MJ08-MJ08	2
09	274047	HOSE, MP 8 x 76.0 IN.	1
10	274048	HOSE, MP 8 x 48.0 IN.	1
11	071701	LN 5/16 CBZY	2

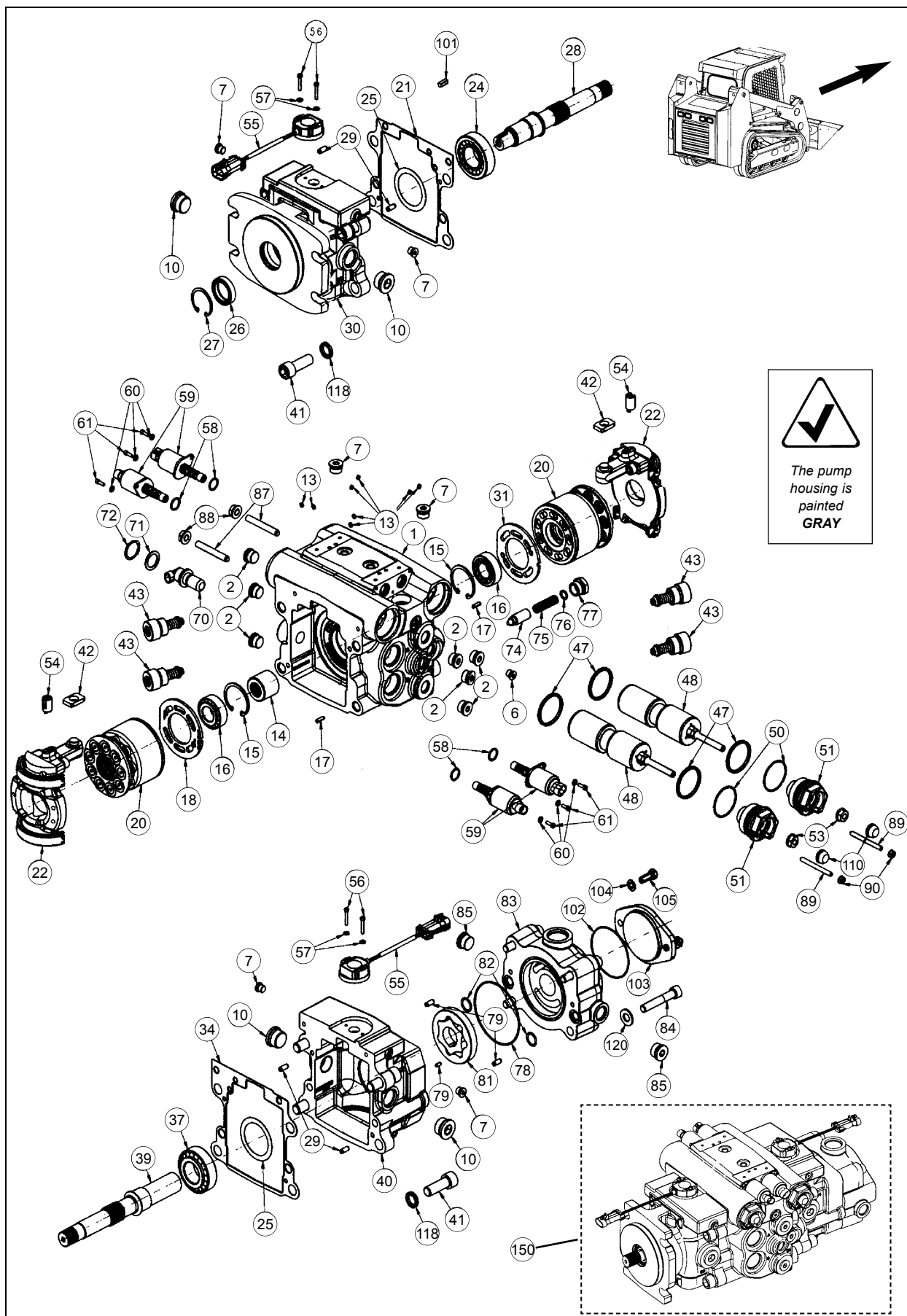
Item No.	Part No.	Description	Qty.
12	274011	MANIFOLD, FLOAT *	1
13	651712	CB 5/16 x 4 C5ZY	2
14	184363	MANIFOLD, HYDRAGLIDE™ **	1
15	184415	ACCUMULATOR **	1
16	114742	TEE MJ08-MAORB08-MJ08	2

* Used only with the standard float system (one-button joystick); the (optional) Hydraglide™ Ride Control system uses item #14.

** Used only for the optional Hydraglide™ Ride Control system (two-button joystick).



RT250 - HYDRAULIC COMPONENTS
HYDROSTATIC DRIVE PUMP

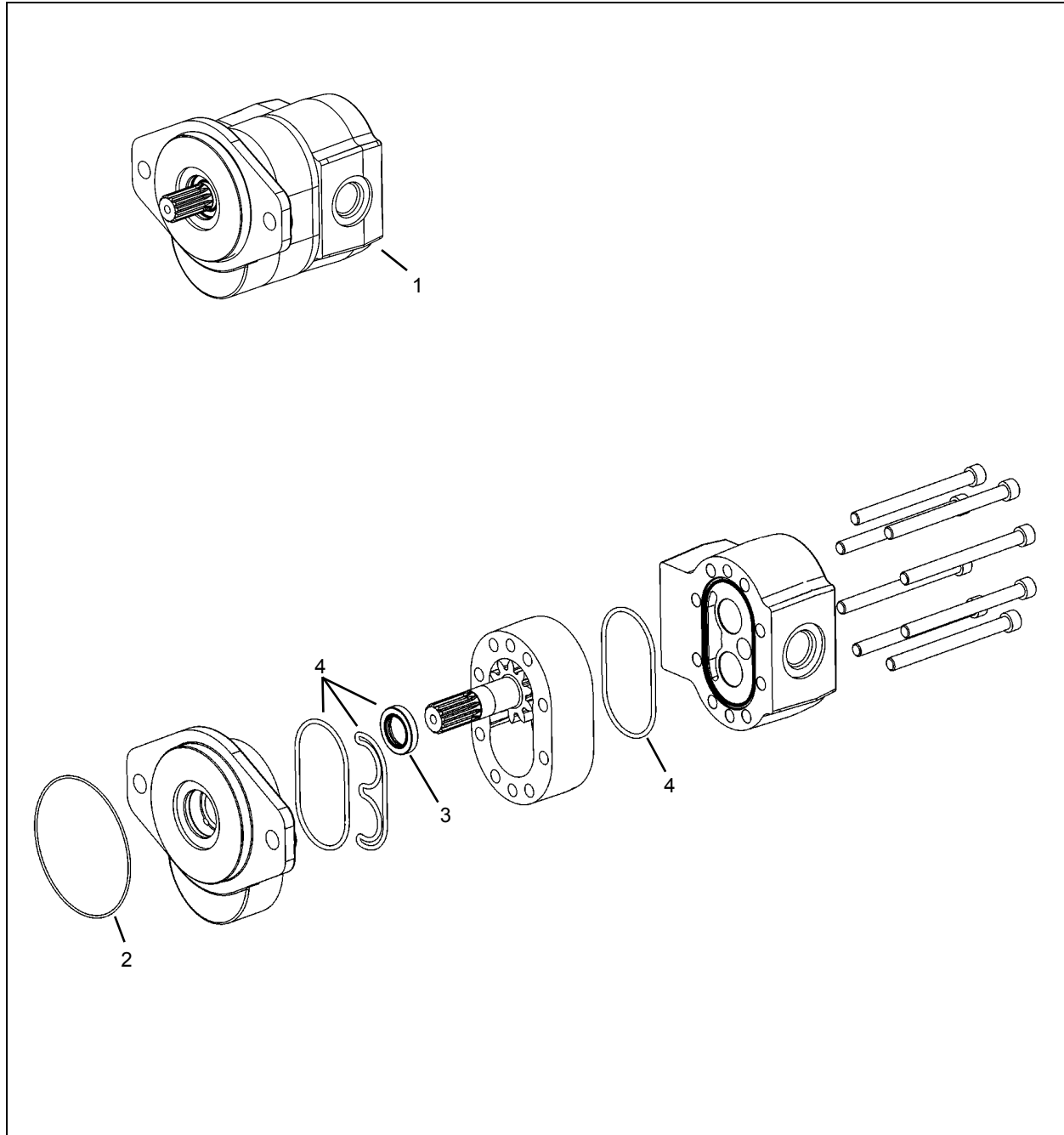


RT250 - HYDRAULIC COMPONENTS

HYDROSTATIC DRIVE PUMP

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	50280070	HOUSING	1	55	50280103	FEEDBACK SENSOR, NON-CONT.	2
02	123090	PLUG	7	56	NSS	SOCKET-HEAD CAP SCREW	4
06	50280071	PLUG	1	57	NSS	WASHER	4
07	245121	PLUG	4	58	50280105	O-RING	4
08	123090	PLUG	1	59	50280106	PROPORTIONAL FLOW REG. 758	4
10	50280072	PLUG	4	60	50280107	WASHER	6
13	50280073	PLUG, EXPANDER TYPE	8	61	50280108	SOCKET-HEAD CAP SCREW	6
14	50280074	COUPLER	1	70	50280109	PLUG	1
15	50280075	RETAINING RING	2	72	50280110	RETAINING RING, INVERTED	1
16	50280076	BEARING, TAPER	2	74	50280111	POPPET	1
17	189754	PIN, ROLL	2	75	50280112	SPRING, COMPRESSION	1
18 ^a	50288202	VALVE PLATE, RH (3.80) 62cc	1	76	50280113	SHIM	AR
20 ^a	50288201	ROTATING KIT (3.80) 62cc	2	77	50280114	PLUG SUB-ASSEMBLY	1
21	50280081	GASKET, FLANGE	1	78	50280115	O-RING	1
22	50280082	SWASHPLATE ASSEMBLY	2	79	50280088	PIN, ROLL	2
24	50280083	BEARING, TAPER	1	80	50280116	CHARGE PUMP DRIVE PIN	1
25	50280084	SHIM	AR			(not shown)	
26	50288200	SHAFT SEAL, HIGH-PRESSURE	1	81	50280117	GERAOTOR SUB-ASSEMBLY	1
27	NSS	RING, RETAINING INTERNAL	1	82	50280118	O-RING	2
28	50280087	DRIVE SHAFT - FRONT (15T)	1	83	50280119	CHARGE PUMP COVER	1
29	50280088	PIN, ROLL	4	84	50280120	SOCKET-HEAD CAP SCREW	4
30	50280089	FLANGE, FRONT (4-BOLT-C)	1	85	50280121	PLUG	2
31 ^a	50288203	VALVE PLATE, LH (3.80) 62cc	1	87	NSS	SET SCREW	2
34	50280081	GASKET, FLANGE	1	88	NSS	NUT, SEALING	2
37	50280083	BEARING, TAPER	1	89	50280123	SET SCREW	2
39	50280092	DRIVE SHAFT - REAR (13T)	1	90	50280124	NUT, SEALING	2
40	50280093	FLANGE, REAR (charge pump side)	1	101	NSS	SQUARE KEY	1
41	50280094	BOLT	8	102	NSS	O-RING	1
42	50280095	FOLLOWER, SERVO-PISTON	2	103	NSS	COVER PLATE (NO THRU DRIVE)	1
43	50280096	RELIEF VALVE SUB-ASSEMBLY	4	104	NSS	WASHER	2
47	50280097	PISTON RING	4	105	NSS	SCREW, CAP, HEX HEAD	2
48	50280098	SERVO PISTON ASSEMBLY	2	110	50280153	CAP, NUT (PLASTIC)	2
50	50280099	O-RING	2	118	NSS	WASHER, NORD LOCK	8
51	50280100	SERVO CAP PLUG	2	119	NSS	PLAIN WASHER	4
53	50280101	NUT, SEALING	2	120	NSS	PLAIN WASHER	4
54	50280102	MAGNET CARRIER	2	150	50302024	PUMP, EH TANDEM HYDRO 62cc	1
						(includes all items shown)	

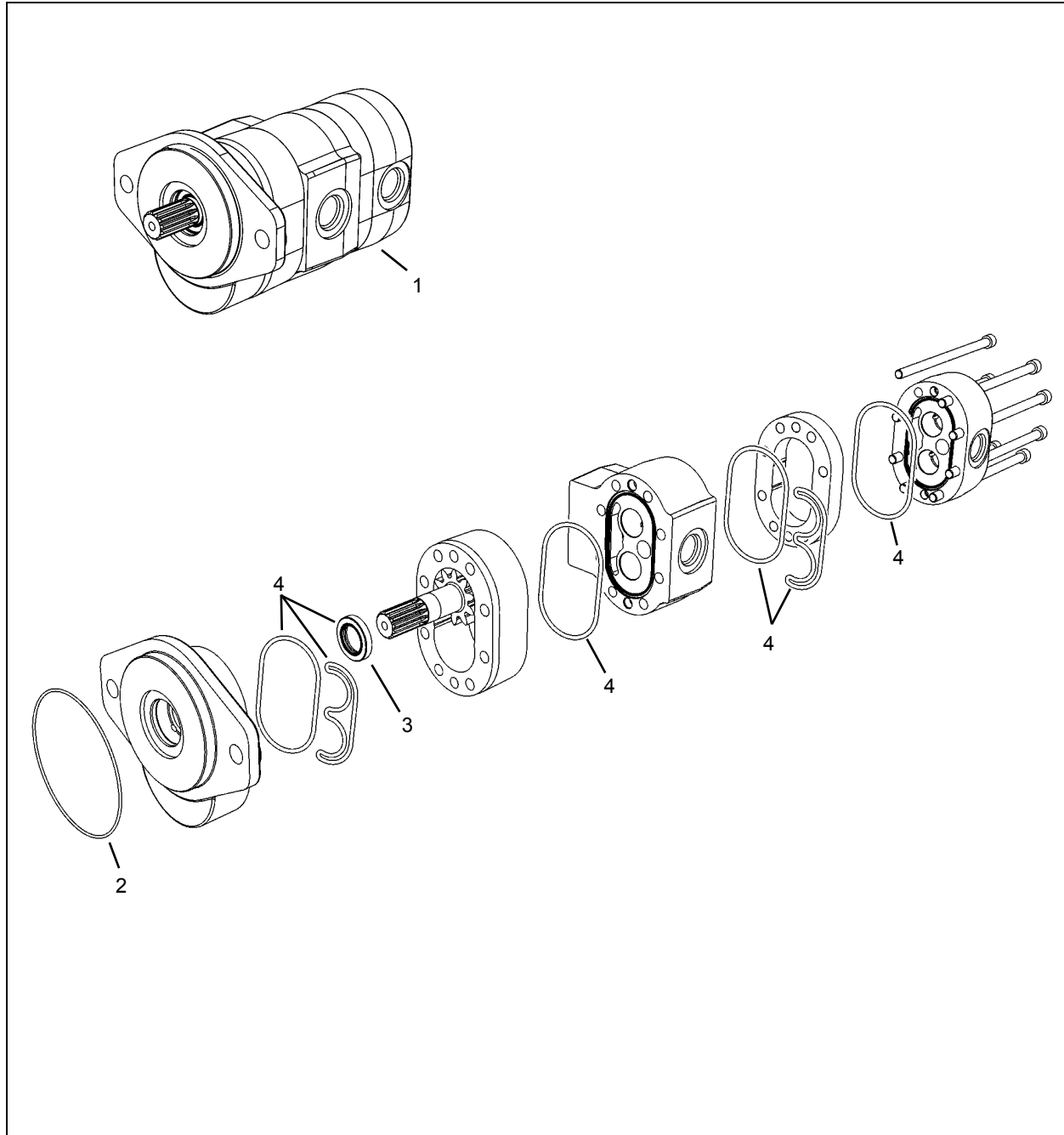
<http://www.manualshub.com/>
RT250 - HYDRAULIC COMPONENTS
HYDRAULIC PUMP - STANDARD HYDRAULICS



Item	No.	Part No.	Description	Qty.
01	50301347	GEAR PUMP, 41cc / IRON <i>(includes all items shown)</i>	1	
02	132248	O-RING 045 N70	1	
03	50280056	SHAFT SEAL <i>(included with #4)</i>	1	
04	50280251	SEAL KIT <i>(includes #3)</i>	1	

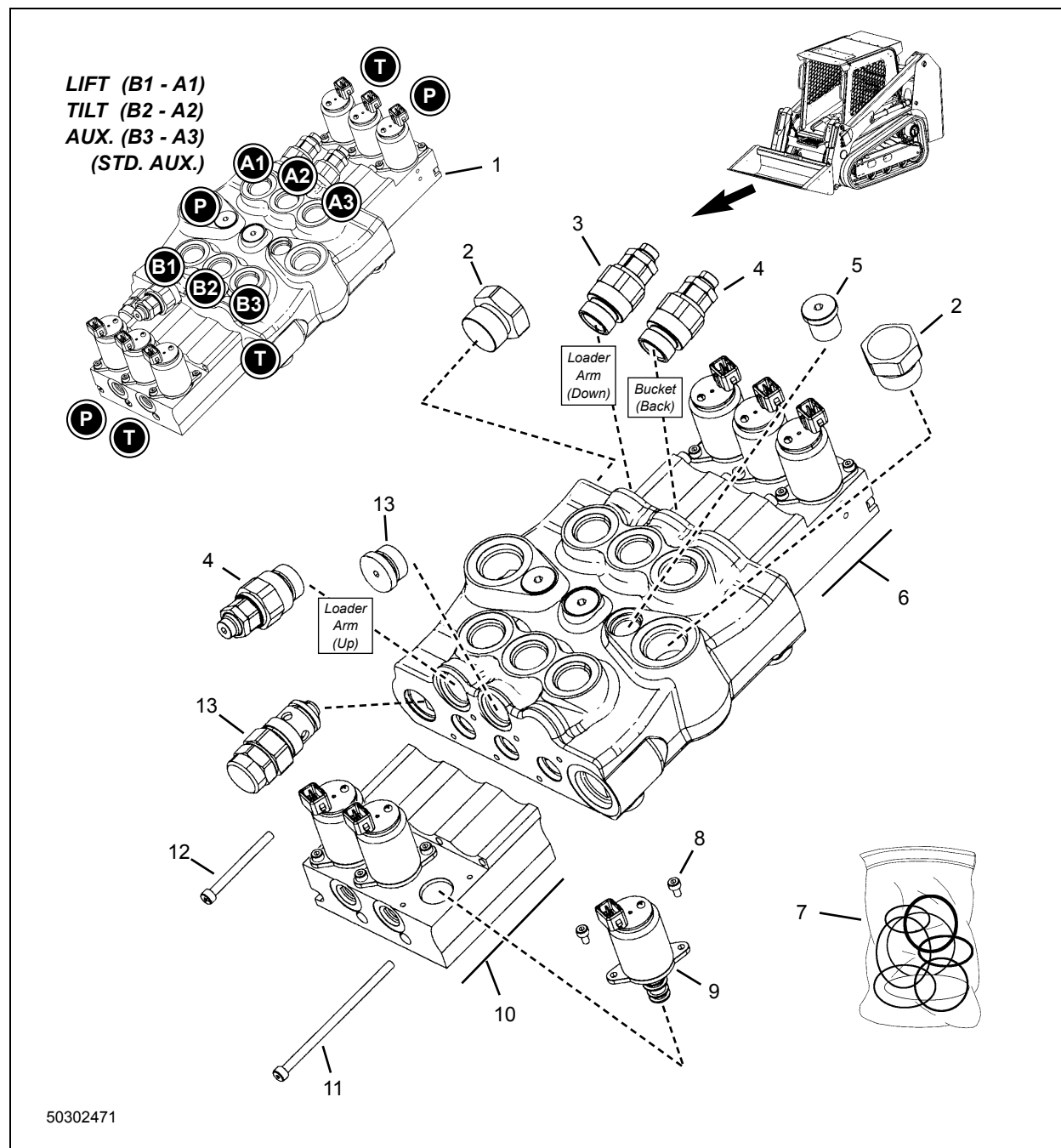
RT250 - HYDRAULIC COMPONENTS

HYDRAULIC PUMP - HIGH-FLOW HYDRAULICS



Item No.	Part No.	Description	Qty.
01	50301345	GEAR PUMP, 41+20.5 / IRON (includes all items shown)	1
02	132248	O-RING 045 N70	1
03	50280056	SHAFT SEAL (included with #4)	1
04	50280251	SEAL KIT (includes #3)	1

RT250 - HYDRAULIC COMPONENTS
HYDRAULIC MAIN VALVE - (STANDARD HYDRAULICS)

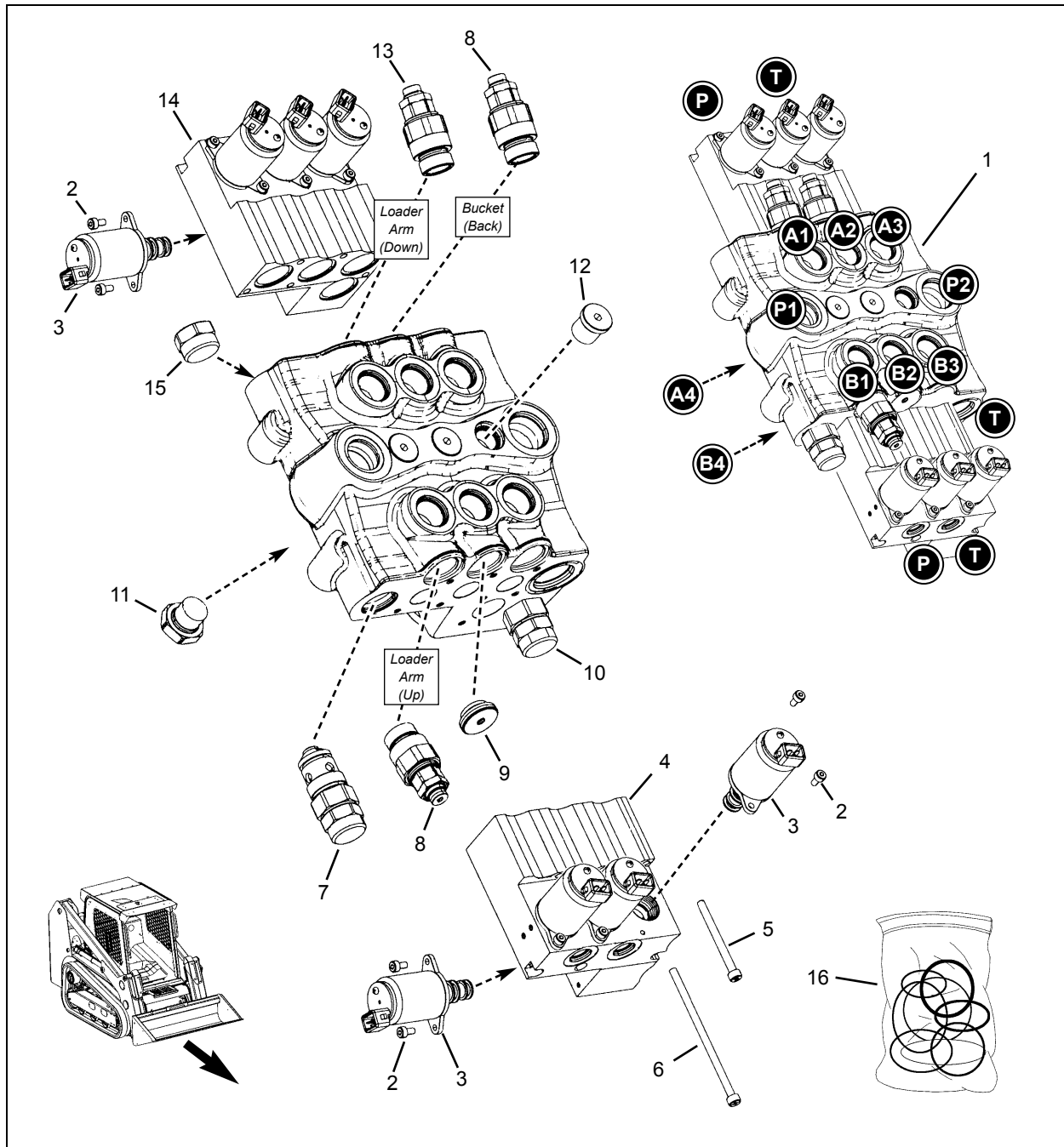


Item No.	Part No.	Description	Qty.
01	50302471	VALVE, 3-SPOOL EH CONTROL (includes all items shown)	1
02	103060	PLUG KIT, 1-1/16-12 UNF	2
03	240277	COMBINATION VALVE (120 BAR) (port relief)	1
04	240278	COMBINATION VALVE (240-A BAR) (port relief)	2
05	240272	CHECK VALVE KIT	3
06	50280183	EH CONTROL 3-SECTION (includes (3) item #9; (6) item #8)	1

Item No.	Part No.	Description	Qty.
07	50280184	SEAL KIT (complete valve) (not shown)	1
08	NSS	SOCKET HEAD SCREW, METRIC	12
09	50280185	PROPORTIONAL VALVE (12 VDC)	6
10	50280182	EH CONTROL 3-SECTION (includes (3) item #9; (6) item #8)	1
11	NSS	SOCKET HEAD SCREW, METRIC	6
12	NSS	SOCKET HEAD SCREW, METRIC	6
13	50280176	MAIN RELIEF VALVE (210 BAR)	1
14	240274	PLUG KIT, SECONDARY RELIEF	1

RT250 - HYDRAULIC COMPONENTS

HYDRAULIC MAIN VALVE - (HIGH-FLOW HYDRAULICS — OPTION)

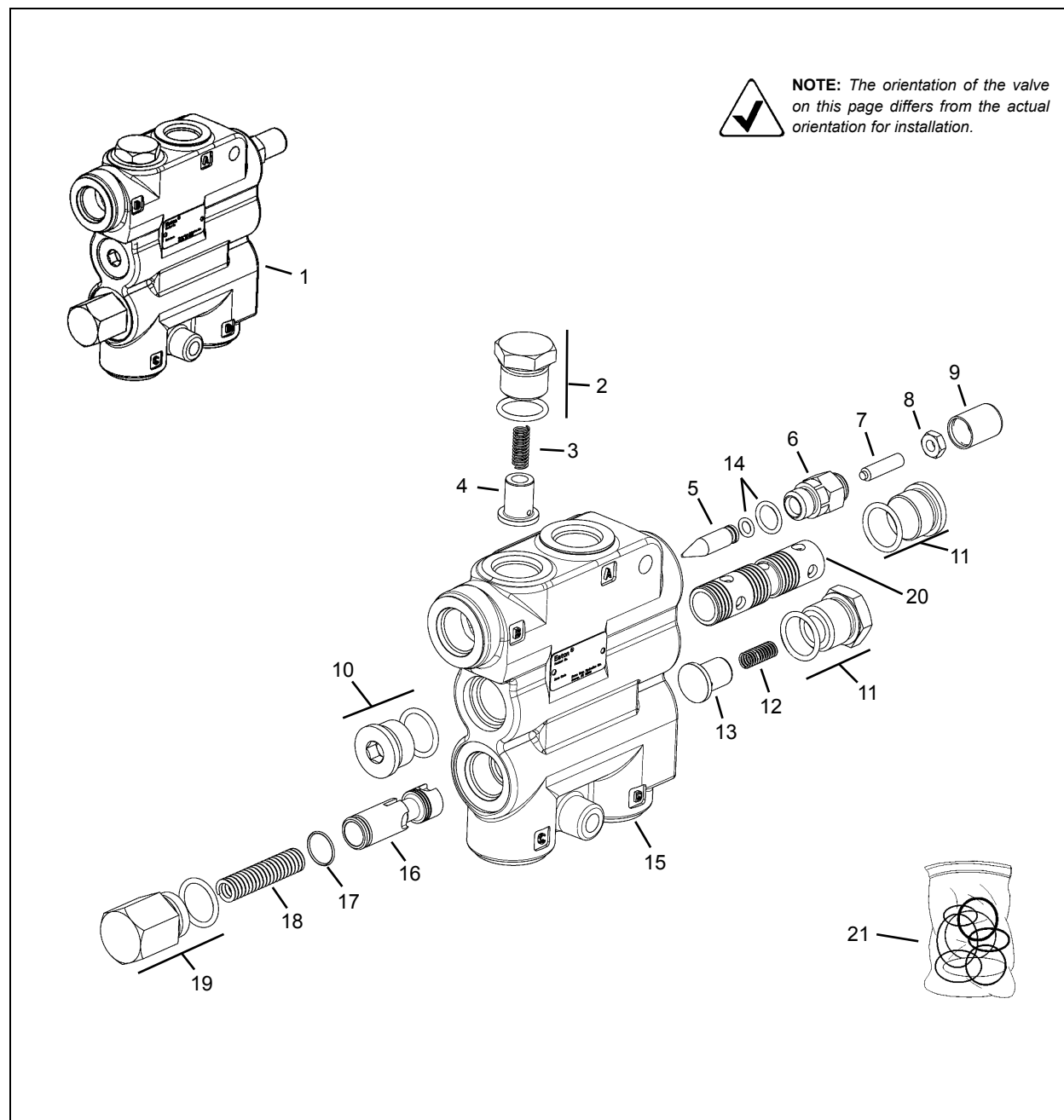


Item No.	Part No.	Description	Qty.
01	50302469	VALVE, 4-SPOOL EH CONTROL (includes all items shown)	1
02	NSS	SOCKET HEAD SCREW, METRIC	16
03	50280185	PROPORTIONAL VALVE (12 VDC)	8
04	50280177	EH CONTROL 4-SECTION (includes (4) item #3; (8) item #2)	1
05	NSS	SOCKET HEAD SCREW, METRIC	6
06	NSS	SOCKET HEAD SCREW, METRIC	6
07	50280176	MAIN RELIEF VALVE (210 BAR)	1
08	240278	COMBINED VALVE (240-A BAR) (port relief)	2

Item No.	Part No.	Description	Qty.
09	240274	PLUG KIT SECONDARY RELIEF	1
10	50280178	MAIN RELIEF VALVE (200 BAR)	1
11	103052	CHECK VALVE	1
12	240272	CHECK VALVE	3
13	240277	COMBINED VALVE (120 BAR) (port relief)	1
14	50280180	EH CONTROL 4-SECTION (includes (4) item #3; (8) item #2)	1
15	103060	PLUG KIT, 1-1/16-12 UNF	1
16	50280181	SEAL KIT (not shown)	1

RT250 - HYDRAULIC COMPONENTS

SELF-LEVEL VALVE - (STANDARD)

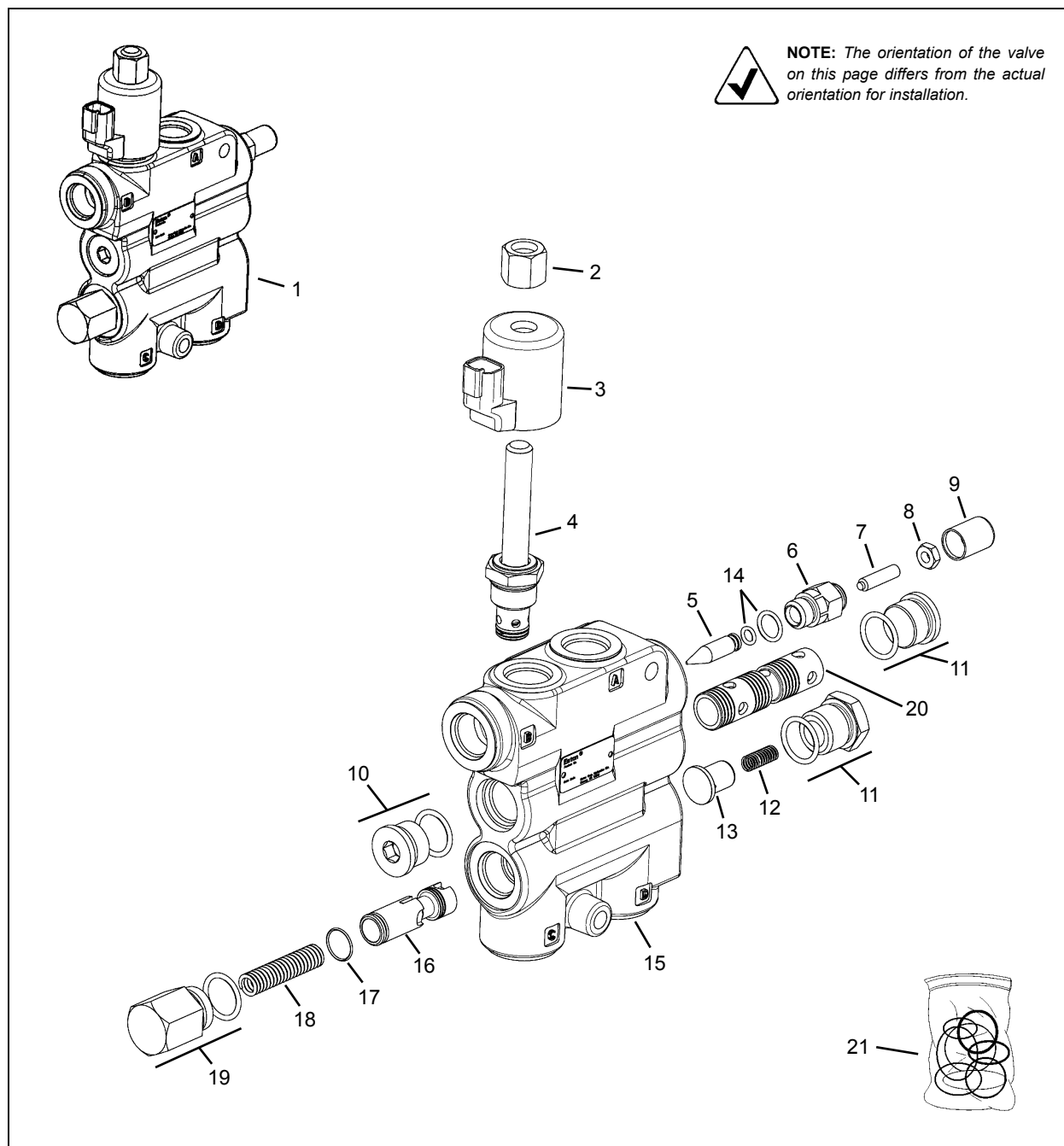


Item No.	Part No.	Description	Qty.
01	135367	VALVE, SELF-LEVEL (includes all items shown)	1
02	088472	PLUG ASSEMBLY (includes o-ring)	1
03	088471	SPRING	1
04	088473	LOAD CHECK	1
05	080808	PIN	1
06	080809	ADJUSTMENT CAP	1
07	080811	SET SCREW	1
08	080810	NUT	1
09	NSS	COVER	1
10	080813	PLUG ASSEMBLY (includes o-ring)	2
11	088472	PLUG ASSEMBLY (includes o-ring)	1

Item No.	Part No.	Description	Qty.
12	088471	SPRING	1
13	088473	LOAD CHECK	1
14	NSS	O-RINGS (included with item #21)	2
15	NSS	BODY	1
16	NSS	SPOOL	1
17	350-27299	RETAINING RING	1
18	089961	SPRING	1
19	129004	PLUG ASSEMBLY (includes o-ring)	1
20	NSS	SPOOL	1
21	129066	SEAL KIT (includes item #9 and all o-rings shown)	1

RT250 - HYDRAULIC COMPONENTS

SELF-LEVEL VALVE - (SWITCHABLE) (OPTION)

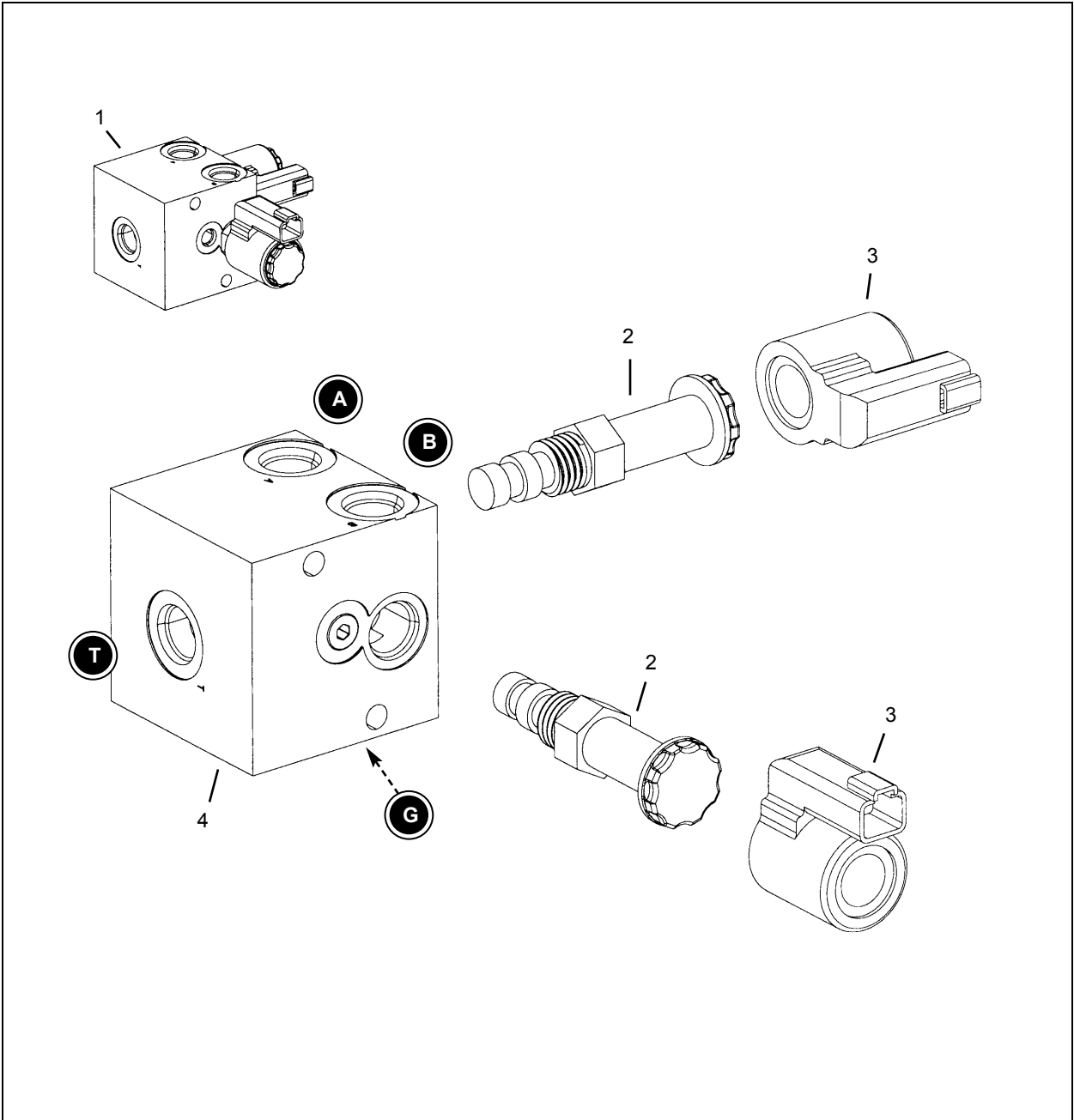


Item No.	Part No.	Description	Qty.
01	271958	VALVE, SELF-LEVEL W/BYPASS (includes all items shown)	1
02	NSS	COIL NUT (included with item 4)	1
03	50280058	COIL, 12 VDC	1
04	50280059	VALVE, CARTRIDGE 2-WAY NC	1
05	080808	PIN	1
06	080809	ADJUSTMENT CAP	1
07	080811	SET SCREW	1
08	080810	NUT	1
09	NSS	COVER	1
10	080813	PLUG ASSEMBLY (includes o-ring)	2
11	088472	PLUG ASSEMBLY (includes o-ring)	1

Item No.	Part No.	Description	Qty.
12	088471	SPRING	1
13	088473	LOAD CHECK	1
14	NSS	O-RINGS (included with item #21)	2
15	NSS	BODY	1
16	NSS	SPOOL	1
17	350-27299	RETAINING RING	1
18	089961	SPRING	1
19	129004	PLUG ASSEMBLY (includes o-ring)	1
20	NSS	SPOOL	1
21	129066	SEAL KIT (includes item #9 and all o-rings shown)	1

RT250 - HYDRAULIC COMPONENTS

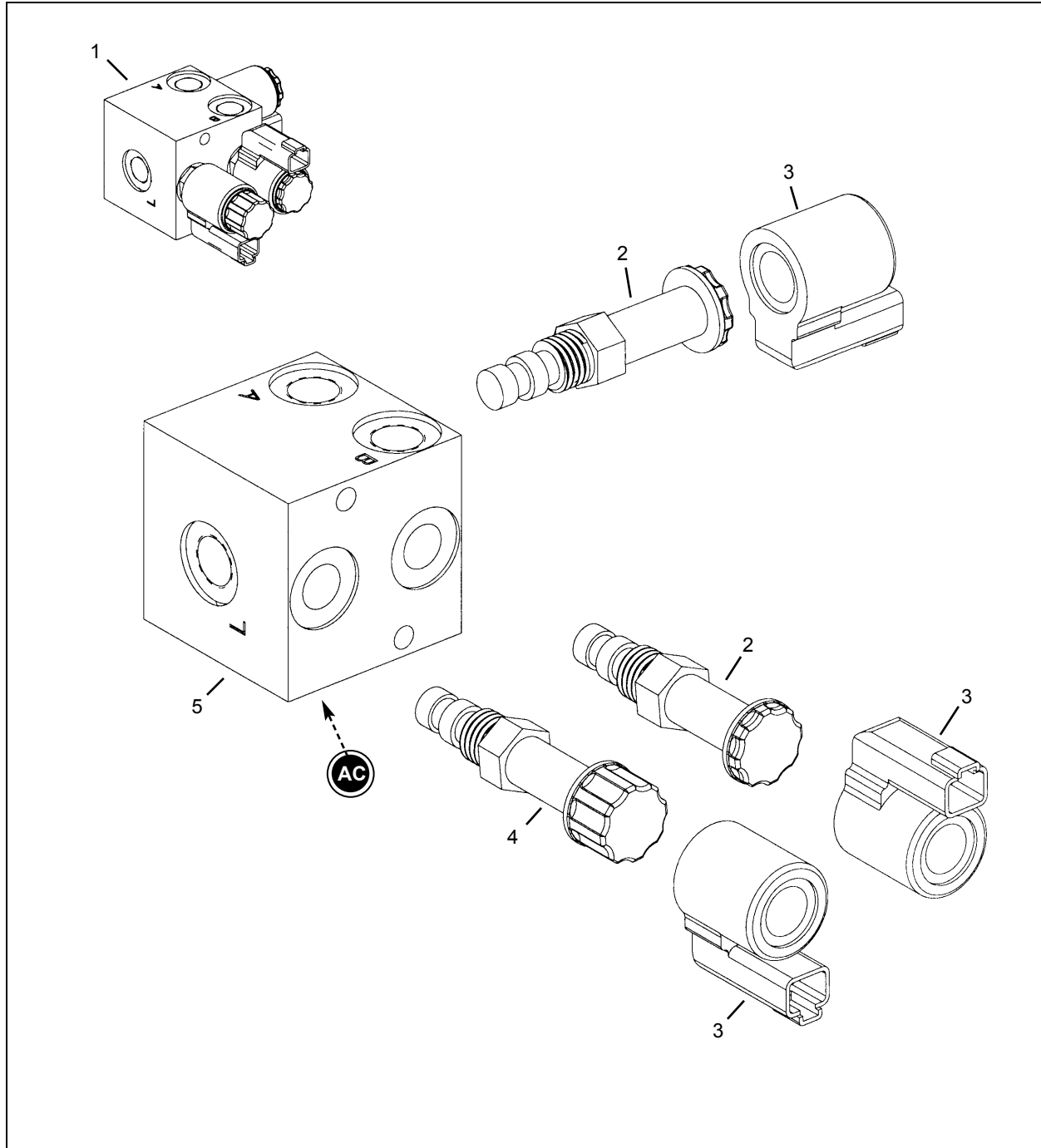
FLOAT MANIFOLD - (STANDARD)



Item		Description	Qty.
No.	Part No.		
01	274011	MANIFOLD, FLOAT <i>(includes all items shown)</i>	1
02	184389	CARTRIDGE 2-WAY NC	2
03	184384	COIL, 12 VDC	2
04	NSS	MANIFOLD BLOCK	1

RT250 - HYDRAULIC COMPONENTS

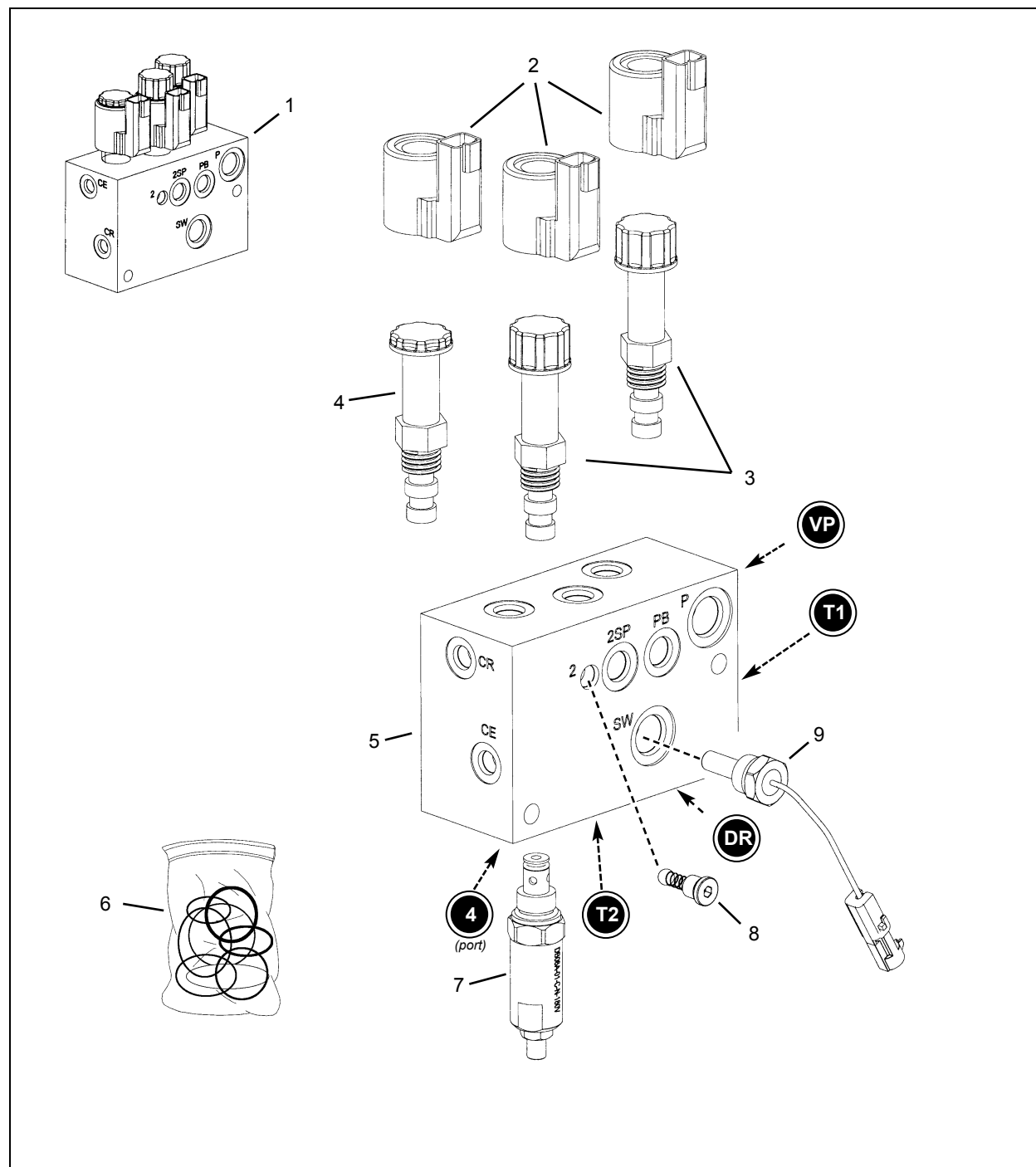
HYDRAGLIDE™ RIDE CONTROL MANIFOLD - (OPTION)



Item No.	Part No.	Description	Qty.
01	184363	MANIFOLD, HYDRAGLIDE™ (includes all items shown)	1
02	184389	CARTRIDGE 2-WAY NC	2
03	184384	COIL, 12 VDC	3
04	184388	CARTRIDGE 2-WAY NC	1
05	NSS	MANIFOLD BLOCK	1

RT250 - HYDRAULIC COMPONENTS

PILOT PRESSURE MANIFOLD

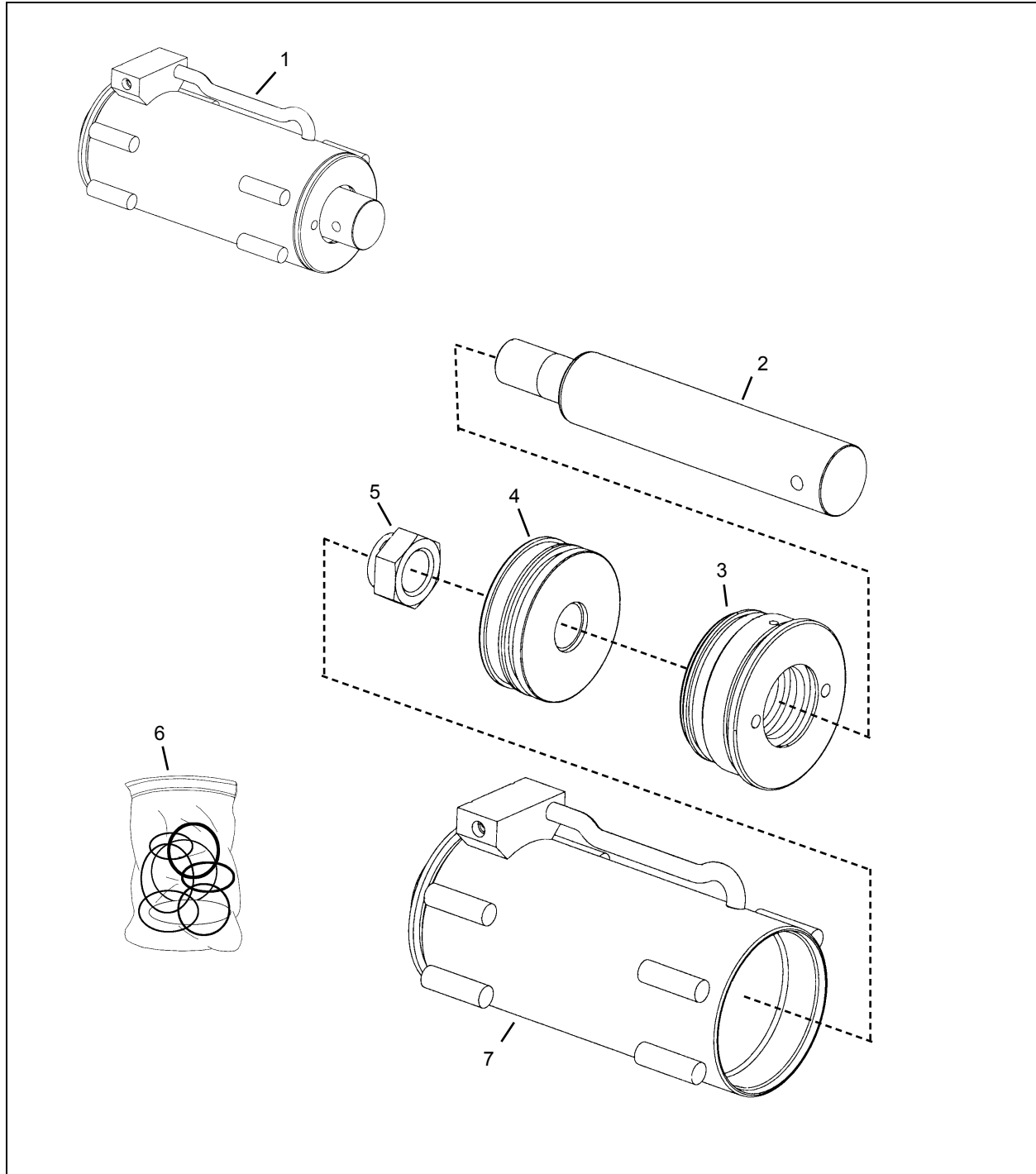


Item No.	Part No.	Description	Qty.
01	274477	MANIFOLD, PILOT PRESSURE (includes all items shown—except #9)	1
02	184384	COIL, 12 VDC	3
03	184388	CARTRIDGE, 3-WAY	2
04	184389	CARTRIDGE, 4-WAY	1
05	NSS	MANIFOLD BLOCK	1

Item No.	Part No.	Description	Qty.
06	50280052	SEAL KIT (not shown) (includes seal for all cartridges and valves)	1
07	50280051	RELIEF VALVE	1
08	50280053	CHECK VALVE	1
09	132049	TEMPERATURE SWITCH (not included with item #1)	1

RT250 - HYDRAULIC COMPONENTS

TRACK TENSION CYLINDER



Item No.	Part No.	Description	Qty.
01	271414	CYLINDER, TENSION (includes all items shown)	AR
02	50280049	CYLINDER ROD	1
03	50280048	HEAD GLAND	1
04	50280047	PISTON	1
05	L99405	NUT, 1.250-12 UNF COLLAR LOCK	1

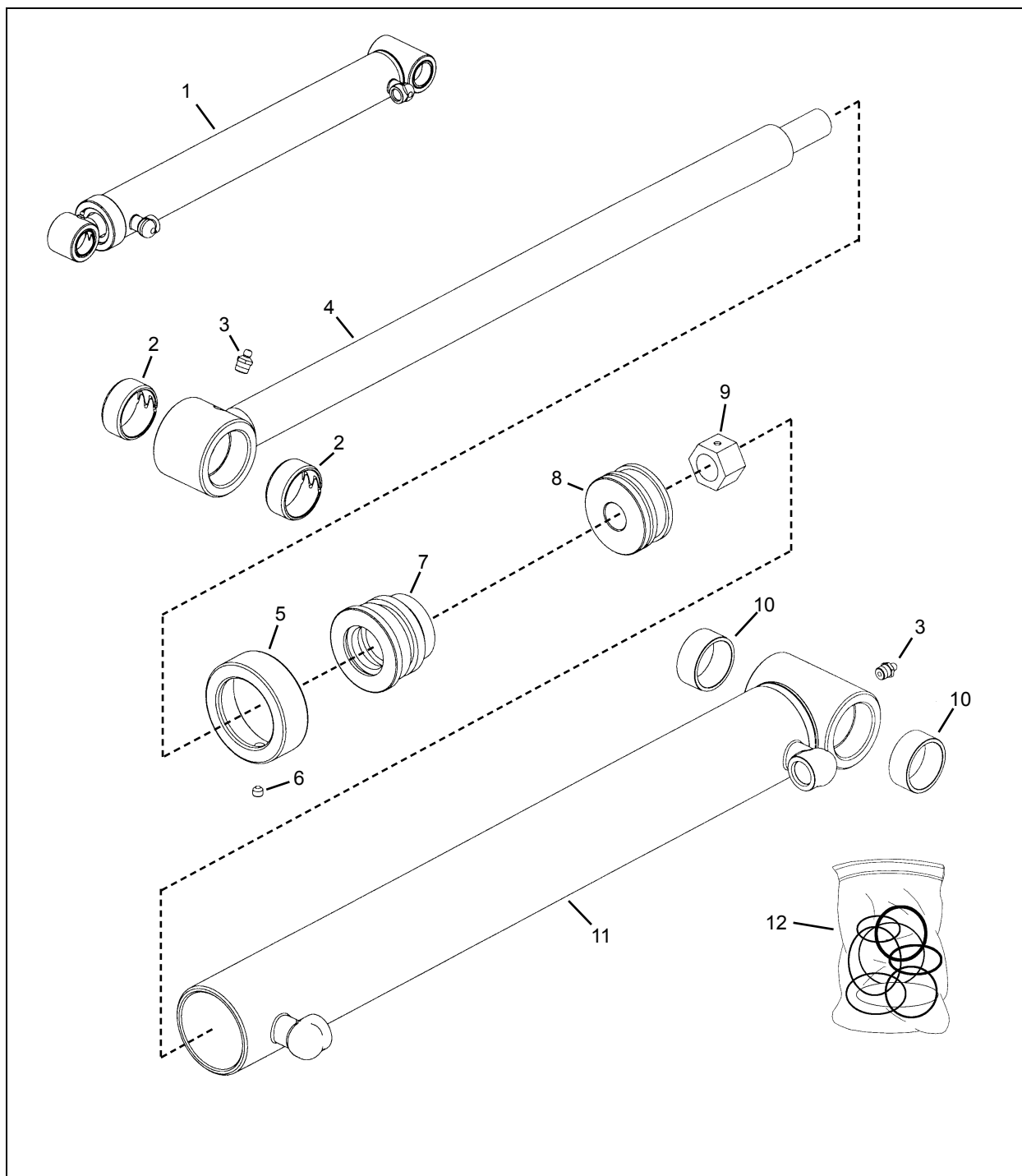
Item No.	Part No.	Description	Qty.
06	50280050	SEAL KIT (not shown)	1
07	50280046	TUBE WELDMENT	1

NOTE: The quantities shown are for one cylinder; the machine uses two cylinders.

RT250 - HYDRAULIC COMPONENTS

TILT CYLINDER

<http://www.manualshub.com/>



Item No.	Part No.	Description	Qty.
01	50300621	CYLINDER, TILT (includes all items shown)	1
02	131488	BUSHING (included with item #4)	2
03	570019	ZERK 1/4"-28 STR. SELF-TAP	2
04	50286409	ROD WELDMENT	1
05	189143	HEAD GLAND CAP	1
06	L99857	SETSCREW, 5/16 x 1/4	1
07	187618	HEAD GLAND	1
08	50286408	PISTON	1

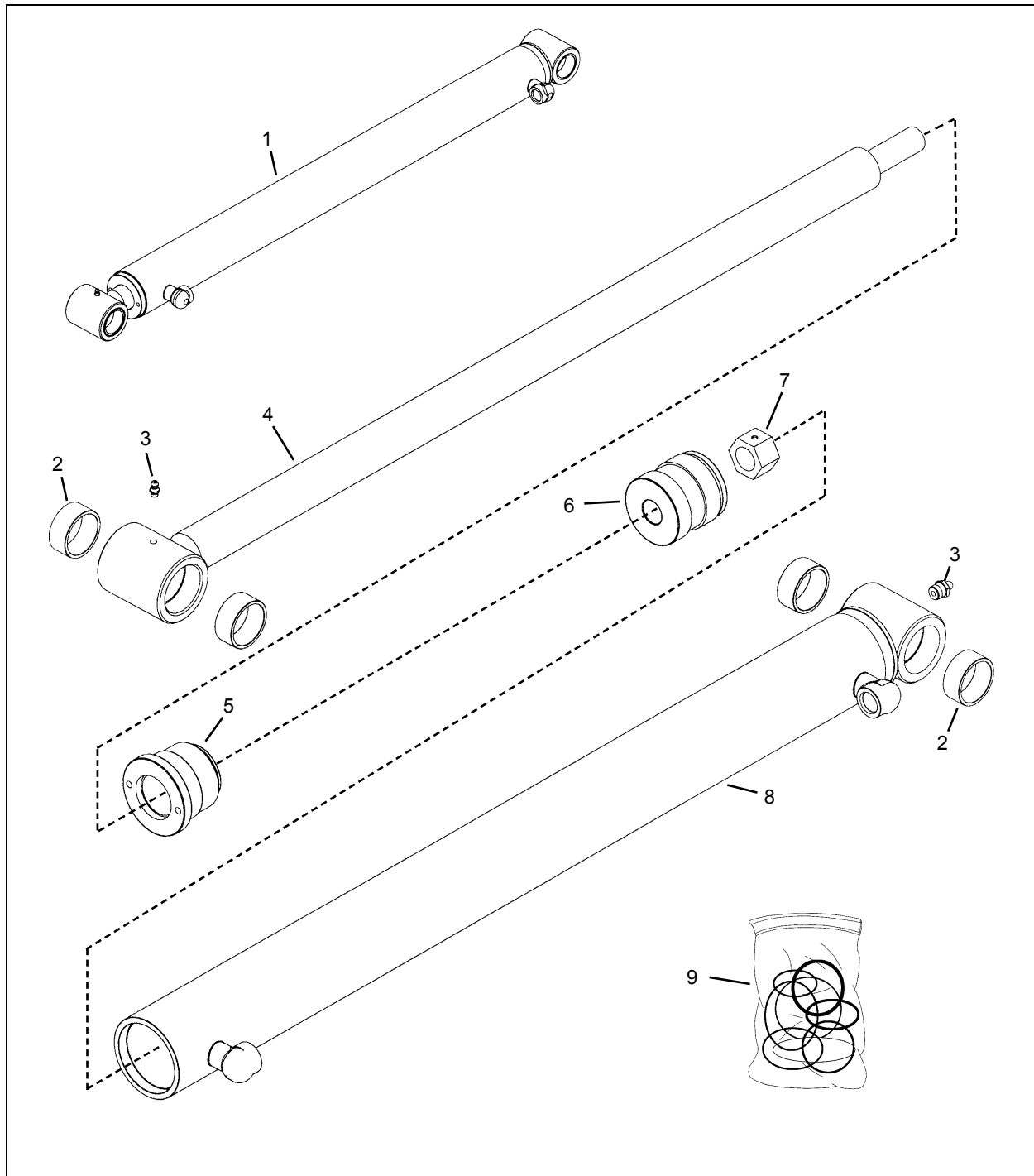
Item No.	Part No.	Description	Qty.
09	L500668	LN 1-1/8"-12 UNF (collared)	1
10	50286410	POLYLUBE BEARING	2
11	NSS	TUBE WELDMENT	1
12	50286411	SEAL KIT (not shown)	1



NOTE: The quantities shown are for one cylinder; the machine uses two cylinders.

RT250 - HYDRAULIC COMPONENTS

LIFT CYLINDER



Item No.	Part No.	Description	Qty.
01	50300622	CYLINDER, LIFT (includes all items shown)	1
02	50286410	POLYLUBE BEARING (two are included with item #4)	4
03	570019	ZERK 1/4"-28 STR. SELF-TAP	2
04	50286414	ROD WELDMENT	1
05	270489	HEAD GLAND	1
06	243203	PISTON	1
07	L500668	LN 1-1/8"-12 UNF (collared)	1

Item No.	Part No.	Description	Qty.
08	NSS	TUBE WELDMENT	1
09	50286412	SEAL KIT (not shown)	1



NOTE: The quantities shown are for one cylinder; the machine uses two cylinders.

GENERAL INFORMATION

Decal location information is provided to assist in the proper selection and application of new decals, in the event the original decals become damaged or the machine is repainted.

For correct replacement of decals, compare the location illustrations (e.g., drawings, photographs) to the machine before starting to refinish the unit. Check off each required decal using the illustration reference number to find the part number, description and quantity in the list. Refer to the appropriate illustration for replacement location.

If there is a decal on a part that is to be replaced, be sure that a new decal is applied to the replacement part.

NOTE: Refer to the *SAFETY* chapter of the *Operator's Manual* for specific information provided on the various safety decals.



CAUTION

ALWAYS read and follow the safety precautions and information shown on decals. If any decal is damaged or unreadable, or if the unit is repainted, the decals must be replaced. If repainting, **BE SURE** that all decals that apply to your machine are affixed in their proper locations.

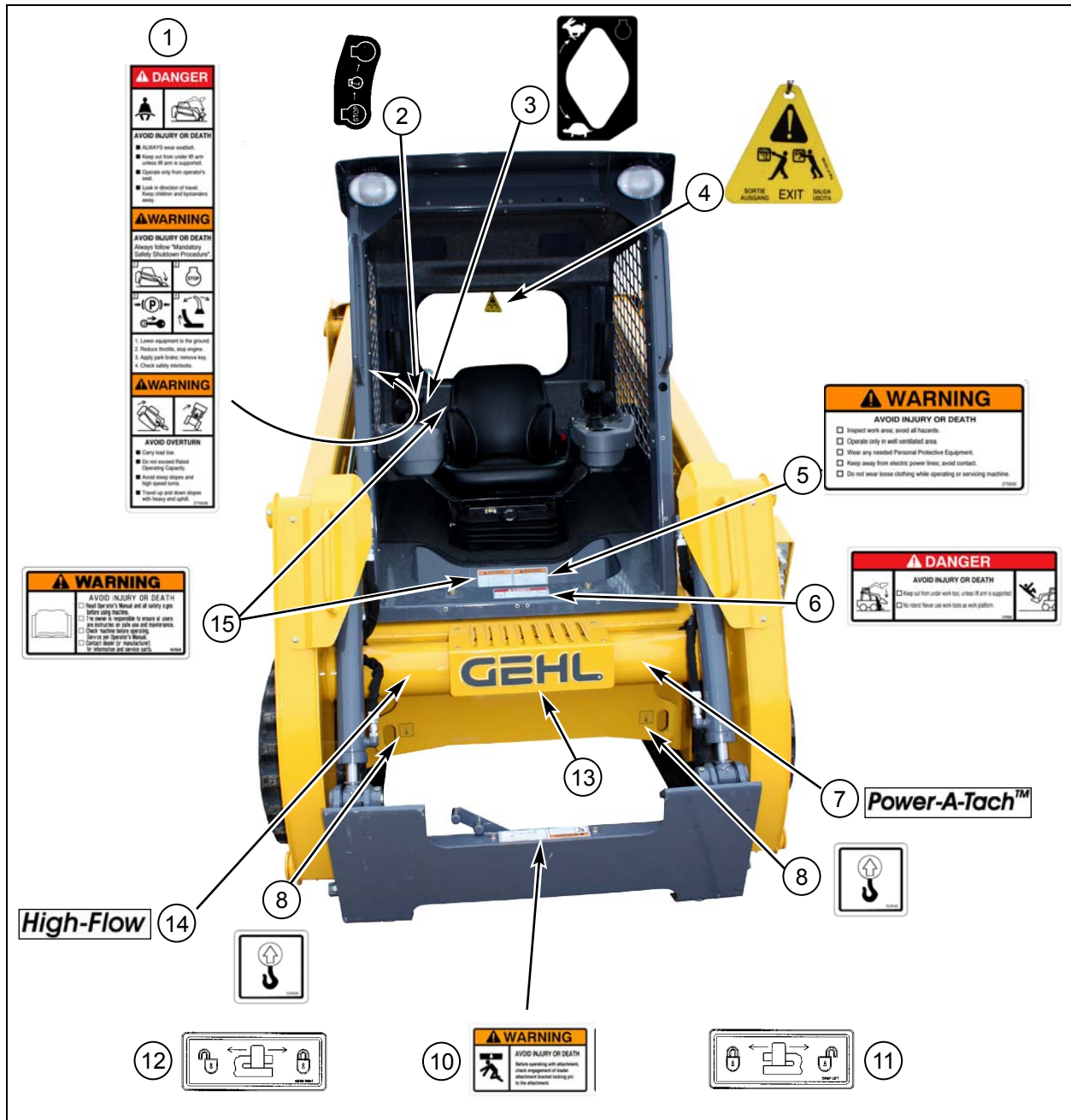
NEW DECAL APPLICATION

Before applying the new decals, surfaces must be free from dirt, dust, grease and other foreign material. To apply a solid-formed decal, remove the smaller portion of the decal backing paper and apply this part of the exposed adhesive backing to the clean surface while maintaining proper position and alignment. Slowly peel off the other portion of the backing paper while applying hand pressure to smooth out decal surface. To apply a pre-mask decal, first remove the backing paper to expose the adhesive side of the decal. Then, properly orient and position the decal onto the clean mounting surface. After the decal is firmly applied and smoothly pressed down, peel off the top covering paper.

PAINT FINISH

Use this list to order paint for refinishing:

167788	One Gal. Yellow
167789	6 (12-oz. Spray Cans) Yellow
167754	One Gal. Gun-Metal Gray
167755	6 (12-oz. Spray Can) Gun-Metal Gray



Item No.	Part No.	Description	Qty.
01	275636	DECAL, MULTI-WARNING	1
02	242152	DECAL, IGNITION	1
03	50300020	DECAL, ACCELERATOR DIAL	1
04	132166	TAG, RIP-CORD	1
05	275635	DECAL, AVOID INJURY/DEATH	1
06	137655	DECAL, NO RIDERS	1
07	184357	DECAL, POWER-A-TACH™ *	1
08	137718	DECAL, LIFT POINT (clear)	2
10	50354117	DECAL, POWER-A-TACH™ LOCK *	1
11	139107	DECAL, LATCHING (LH) (option) *	1
12	139109	DECAL, LATCHING (RH) (option) *	1

Item No.	Part No.	Description	Qty.
13	50303615	DECAL, GEHL 3.69" x 15.92"	1
14	184139	DECAL, HIGH-FLOW (option) **	1
15	137628	DECAL, OPERATOR'S MANUAL (behind seat - not shown)	2

* Used when equipped with the optional Power-A-Tach™ locking system.

** Used when equipped with the optional High-Flow hydraulics system.

RT250 - DECALS

RIGHT SIDE — (LATE STYLE)

<https://truckmanualshub.com/>



Item No.	Part No.	Description	Qty.
01	50303568	DECAL, RT250 RH	1
02	50303562	DECAL, LIFT ARM	1
03		DECAL, JOYSTICK CONTROL (right)	1
	275632	ISO (standard)	
	275634	ISO-DH (option)	
04	184116	DECAL, 2-SPEED (set) *	1
05	138711	DECAL, HYDRAGLIDE® **	1

Item No.	Part No.	Description	Qty.
06	137661	DECAL, TIE-DOWN POINT (clear)	1
07	137637	DECAL, KEEP OUT/LIFT ARM	1
08	50302120	DECAL, IDEALTRAX	1
09	139074	DECAL, AIR CONDITIONED	1

* Set contains two decals—(1) left side and (1) right side.

** Used on machines equipped with optional Hydraglide™.

RT250 - DECALS

LEFT SIDE — (LATE STYLE)



Item No.	Part No.	Description	Qty.
01	50303567	DECAL, RT250 LH	1
02	50303562	DECAL, LIFT ARM	1
03		DECAL, JOYSTICK CONTROL (<i>left</i>)	1
	275631	ISO (<i>standard</i>)	
	275633	ISO-DH (<i>option</i>)	
04	184116	DECAL, 2-SPEED (<i>set</i>) *	1
05	138711	DECAL, HYDRAGLIDE® **	1

Item No.	Part No.	Description	Qty.
06	137661	DECAL, TIE-DOWN POINT (<i>clear</i>)	1
07	137634	DECAL, DIESEL FUEL ONLY	1
08	50302120	DECAL, IDEALTRAX	1
09	139074	DECAL, AIR CONDITIONED	1

** Set contains two decals—(1) left side and (1) right side.

** Used on machines equipped with optional Hydraglide™.

RIGHT SIDE — (EARLY STYLE)



Item No.	Part No.	Description	Qty.
01	50302754	DECAL, RT250 RH	1
02	50300033	DECAL, SWOOSH (set) *	1
03		DECAL, JOYSTICK CONTROL (right)	1
	275632	ISO (standard)	
	275634	ISO-DH (option)	
04	184116	DECAL, 2-SPEED (set) *	1
05	50300032	DECAL, GEHL 4.23" x 18.00"	1

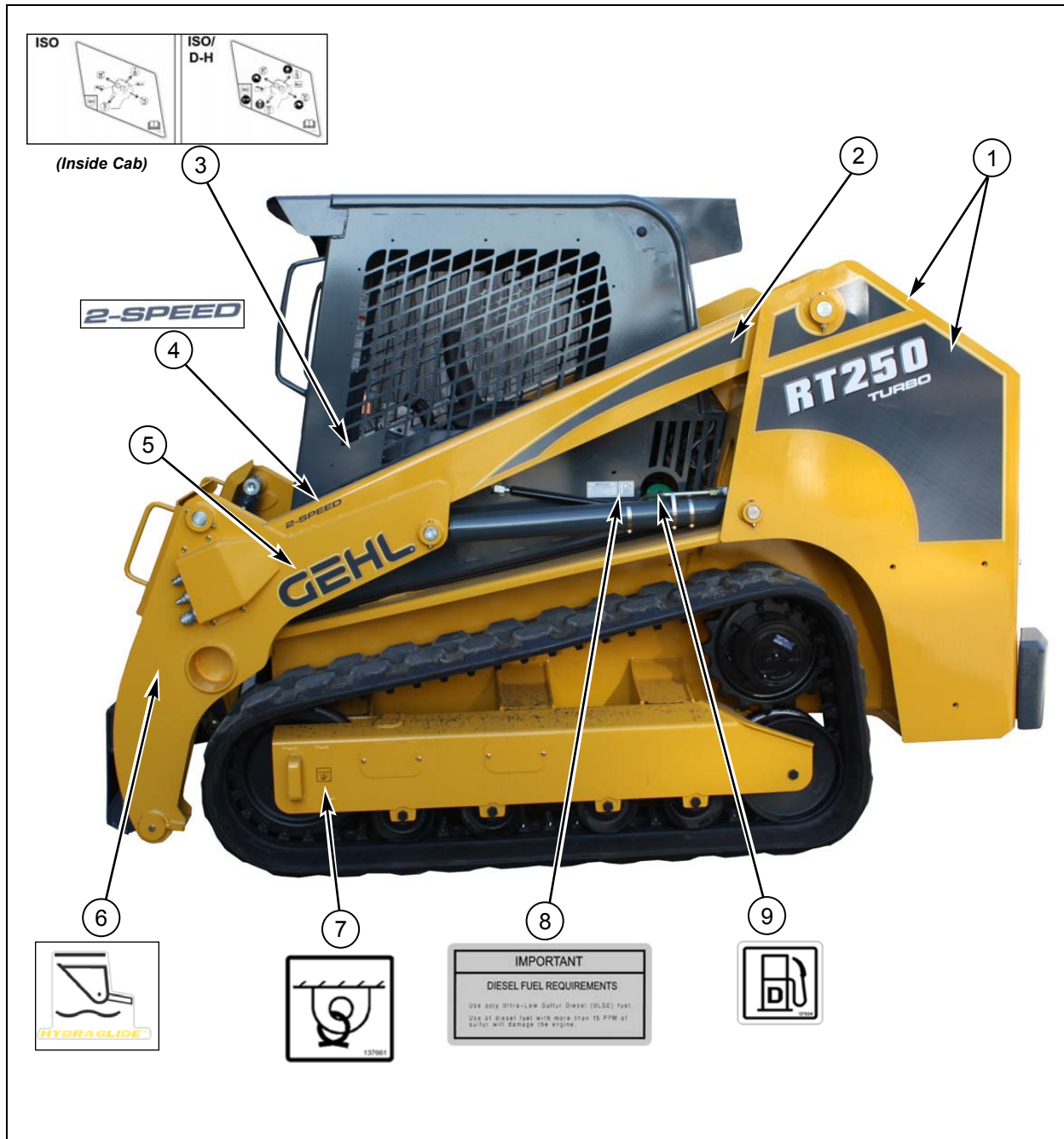
Item No.	Part No.	Description	Qty.
06	138711	DECAL, HYDRAGLIDE® **	1
07	137661	DECAL, TIE-DOWN POINT (clear)	1
08	137637	DECAL, KEEP OUT/LIFT ARM	1

* Set contains two decals—(1) left side and (1) right side.

** Used on machines equipped with optional Hydraglide™.

RT250 - DECALS

LEFT SIDE — (EARLY STYLE)



Item No.	Part No.	Description	Qty.
01	50302755	DECAL, RT250 LH	1
02	50300033	DECAL, SWOOSH (set) *	1
03		DECAL, JOYSTICK CONTROL (left)	1
	275631	ISO (standard)	
	275633	ISO-DH (option)	
04	184116	DECAL, 2-SPEED (set) *	1
05	50300032	DECAL, GEHL 4.23" x 18.00"	1
06	138711	DECAL, HYDRAGLIDE® **	1

Item No.	Part No.	Description	Qty.
07	137661	DECAL, TIE-DOWN POINT (clear)	1
08	50352518	DECAL, ULSD Fuel	1
09	137634	DECAL, DIESEL FUEL ONLY	1

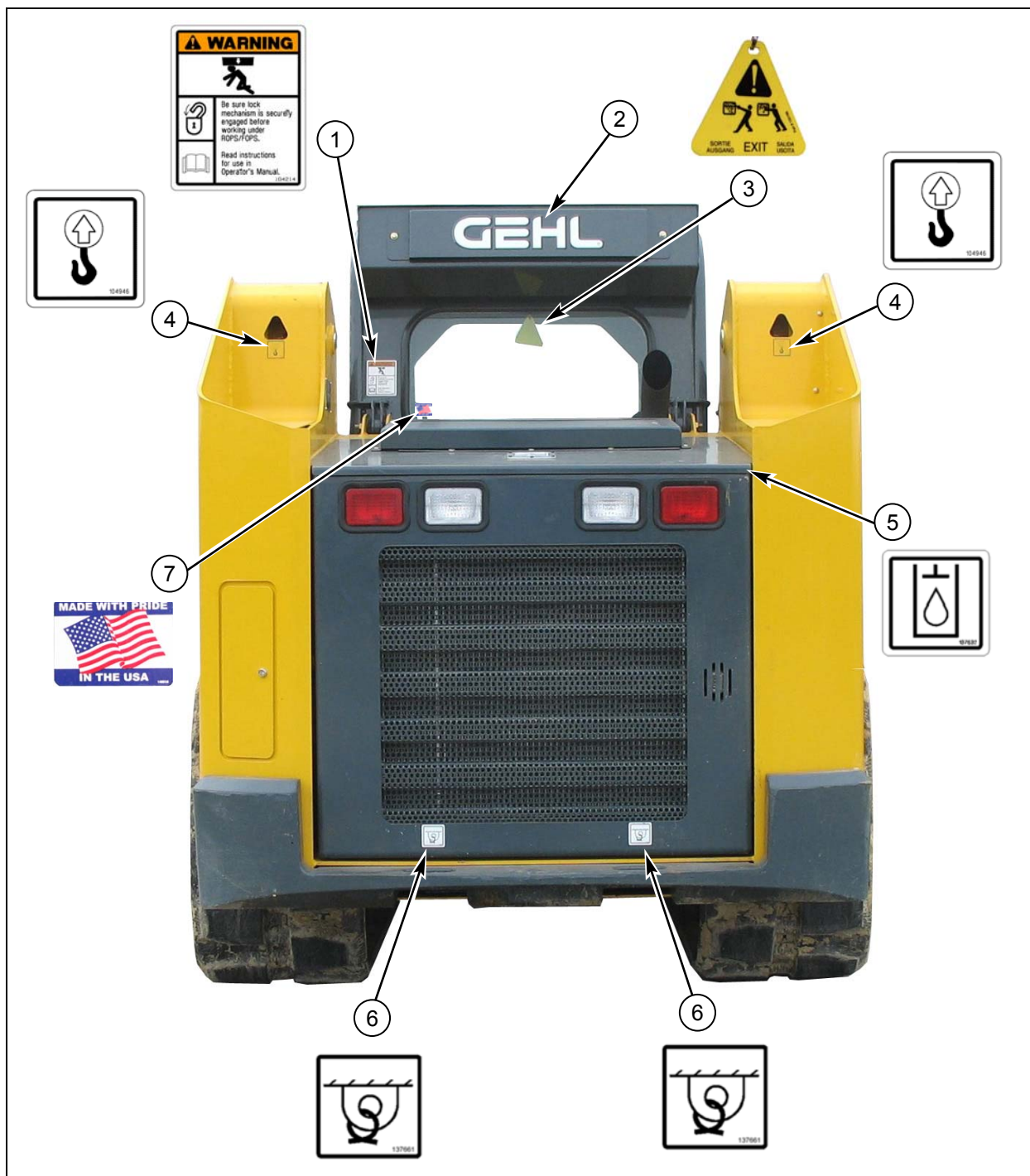
** Set contains two decals—(1) left side and (1) right side.

** Used on machines equipped with optional Hydraglide™.

RT250 - DECALS

REAR

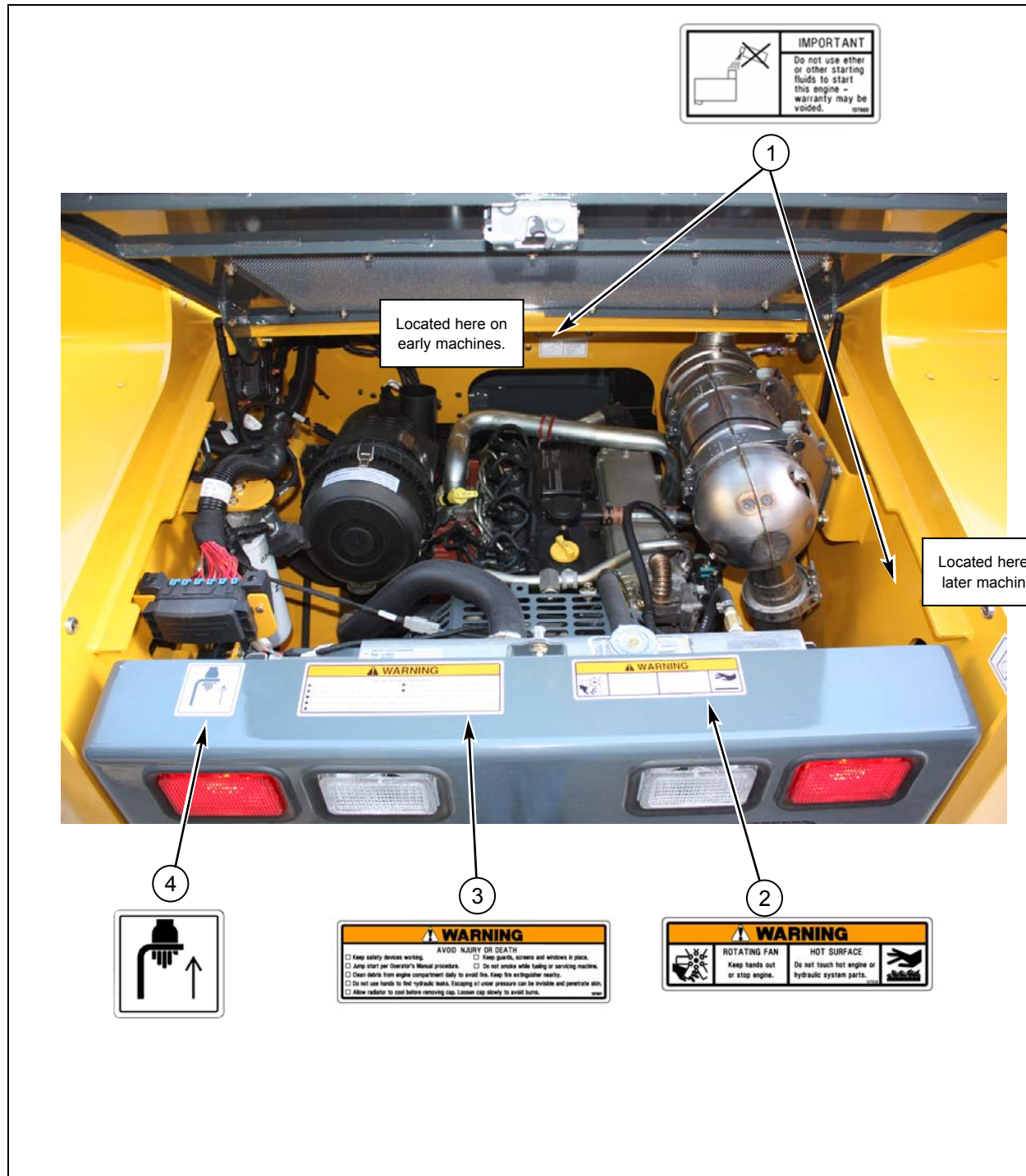
<https://truckmanualshub.com/>



Item No.	Part No.	Description	Qty.
01	184214	DECAL, LOCK MECHANISM	2
<i>(NOTE: The second decal is affixed to the left-front under-side of the cab (not shown)—visible when the cab is in the raised position).</i>			
02	184043	DECAL, GEHL 3.75 x 15.92 (white)	1

Item No.	Part No.	Description	Qty.
03	132166	TAG, RIP-CORD	1
04	137718	DECAL, LIFT POINT	2
05	137632	DECAL, HYDRAULIC FLUID ONLY	1
06	104945	DECAL, TIE-DOWN POINT (white)	2
07	140516	DECAL, FLAG	1

RT250 - DECALS ENGINE COMPARTMENT



Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	137660	DECAL, DO NOT USE ETHER	1	03	137657	DECAL, AVOID INJURY/DEATH	1
02	137658	DECAL, ROTATING FAN/HOT SURF.	1	04	50300071	DECAL, LATCH	1

Part No.	Page No.	Item No.	Part No.	Page No.	Item No.	Part No.	Page No.	Item No.	Part No.	Page No.	Item No.
005073	13	05	067180	31	07	071858	47	13	081377	39	07
005073	47	12	067847	07	45	072580	119	16	081377	75	46
048953	103	11	067847	39	05	072587	115	02	081378	25	06
054626	113	06	067847	77	13	072587	117	24	081378	27	23
054626	121	21	067847	87	04	072806	109	15	081380	119	06
054626	93	11	067847	93	09	072806	111	10	081380	73	28
054818	103	48	067847	95	06	072806	113	25	081380	75	26
054818	75	48	068034	25	08	072916	10	13	081380	87	09
054820	109	17	068034	27	21	072916	17	09	081380	89	01
054820	111	11	068034	85	05	072916	38	04	084175	51	18
054820	113	10	068034	89	08	072916	77	03	087850	19	16
054994	109	16	068938	101	28	073024	65	15	087850	19	21
054994	111	09	068938	103	28	074091	89	--	087852	103	36
054994	113	26	068938	99	06	074280	73	04	087852	63	01
054994	97	09	070634	10	06	074280	75	41	087852	65	08
055005	105	05	070648	22	20	074830	05	02	087852	89	29
055005	107	08	070648	23	20	074830	105	02	087852	91	11
055005	113	04	070648	24	09	075196	73	13	088117	103	47
055005	115	08	070648	24	18	075196	75	45	088117	75	47
055005	115	17	070648	25	13	075505	39	06	088442	109	05
055005	117	11	070648	25	19	076031	107	11	088442	111	18
055005	117	27	071401	19	26	076031	121	26	088471	130	03
055005	73	04	071401	31	26	076143	109	03	088471	130	12
055005	75	18	071401	45	17	076143	111	16	088471	131	12
055021	119	20	071401	51	08	076588	73	38	088472	130	02
055021	55	11	071401	55	12	076588	75	03	088472	130	11
055021	60	07	071401	85	17	076589	119	21	088472	131	11
055021	61	09	071401	89	19	076589	43	22	088473	130	04
055021	63	05	071700	103	30	076589	61	10	088473	130	13
055030	73	05	071700	14	05	076589	63	04	088473	131	13
055030	75	10	071700	33	21	076589	73	14	088912	87	18
055064	101	12	071700	43	17	076589	85	22	088937	67	03
055064	103	12	071700	51	28	076589	99	19	088937	95	15
055064	103	19	071700	85	30	076880	101	24	089001	39	08
055064	113	12	071701	09	24	076880	103	24	089099	121	06
055064	73	30	071701	115	18	077970	101	15	089961	130	18
055648	43	21	071701	121	15	077970	103	15	089961	131	18
055648	51	39	071701	123	11	079026	101	22	090666	55	09
055648	55	13	071701	33	13	079026	103	22	090666	75	43
055648	57	04	071701	47	09	079097	93	04	091039	111	12
055648	89	--	071701	51	43	079098	121	24	091039	113	24
055898	101	09	071701	57	05	079098	31	23	095456	111	14
055898	103	09	071701	73	33	079098	33	23	095619	51	10
057557	07	02	071701	75	28	079098	97	10	095619	75	12
062023	73	20	071701	89	32	079209	41	07	095955	31	04
062023	75	07	071703	09	19	080808	130	05	098534	119	11
064260	15	13	071703	113	20	080808	131	05	098534	97	21
064260	31	22	071703	33	06	080809	130	06	100541	115	10
064260	45	14	071703	69	06	080809	131	06	100541	117	18
064260	51	23	071703	71	09	080810	130	08	100541	119	12
064354	85	06	071703	73	27	080810	131	08	100541	99	01
064354	85	23	071703	75	32	080811	130	07	102524	89	33
064354	97	18	071703	85	26	080811	131	07	102525	89	34
064354	99	23	071706	43	24	080813	130	10	103052	129	11
064422	55	08	071709	13	11	080813	131	10	103060	128	02
65049	37	17	071709	15	10	081374	43	30	103060	129	15
065415	31	21	071858	13	05	081377	119	04	103099	53	12

Part No.	Page No.	Item No.	Part No.	Page No.	Item No.	Part No.	Page No.	Item No.	Part No.	Page No.	Item No.
103099	53	13	135025	73	08	137661	141	06	184146	05	07
104121	14	08	135025	75	20	137661	142	07	184146	67	10
104416	43	06	135270	07	11	137661	143	07	184195	05	06
104416	47	06	135270	37	20	137718	139	08	184195	67	11
104769	53	03	135367	121	13	137718	144	04	184214	144	01
104769	53	08	135367	130	01	137793	35	13	184278	67	14
104769	53	09	135367	93	21	137797	35	12	184357	139	07
104769	53	11	135427	60	02	137959	43	13	184363	121	19
104945	144	06	135578	123	08	137959	51	06	184363	123	14
114742	121	18	135727	43	09	138623	35	10	184363	133	01
114742	123	16	136226	59	11	138649	33	08	184384	132	03
121387	121	11	136226	63	08	138651	33	07	184384	133	03
121387	93	20	136226	75	39	138711	140	05	184384	134	02
121684	107	15	136226	97	05	138711	141	05	184388	133	04
121684	73	41	136226	99	03	138711	142	06	184388	134	03
121684	75	21	136305	20	04	138711	143	06	184389	132	02
122488	43	01	136358	87	37	138714	33	10	184389	133	02
122778	101	27	137058	85	21	138752	87	14	184389	134	04
122778	103	27	137058	99	22	138777	33	17	184415	121	20
122805	51	15	137059	85	19	138777	35	20	184415	123	15
123090	125	02	137059	99	20	138778	33	18	184505	29	08
123090	125	08	137158	87	20	138779	33	19	184507	29	05
128007	89	30	137164	87	23	138781	71	19	184605	67	13
129004	130	19	137167	87	19	138877	101	04	184627	53	07
129004	131	19	137168	87	28	139074	141	09	184627	53	15
129066	130	21	137168	89	14	139074		09	184627	53	16
129066	131	21	137169	87	29	139107	139	11	184629	91	21
131449	73	40	137169	89	12	139107	89	25	184629	91	26
131449	75	23	137170	87	27	139109	139	12	184630	91	23
131488	136	02	137170	89	16	139109	89	27	184630	91	28
131522	103	10	137360	105	03	139288	71	23	184631	53	01
131577	101	08	137379	87	16	139438	101	03	184631	53	02
131577	103	08	137385	87	21	139438	103	02	184631	53	04
131842	59	12	137386	87	26	139438	105	04	184631	53	05
131913	101	05	137386	89	15	139952	71	06	184631	53	06
131913	103	04	137462	07	09	140516	144	07	184631	53	10
131913	45	12	137503	19	14	140780	71	21	184631	53	14
131958	85	20	137542	119	10	140883	105	08	184631	53	17
131958	99	21	137542	97	20	140883	73	07	184631	53	18
132023	05	01	137599	103	18	140883	75	37	184631	91	22
132049	113	22	137599	75	25	145833	107	03	184631	91	27
132049	134	09	137602	20	10	145833	59	18	184670	45	15
132166	13	02	137602	21	09	167754	138	00	186014	67	12
132166	139	04	137603	20	10	167755	138	00	186151	35	05
132166	144	03	137603	21	09	167788	138	00	186193	31	08
132248	115	15	137628	139	15	167789	138	00	186703	31	09
132248	117	20	137632	144	05	171629	113	17	186716	31	10
132248	126	02	137634	141	07	176653	67	20	186936	35	14
132248	127	02	137634	143	09	182076	10	10	187030	37	10
132294	13	02	137637	140	07	183814	51	29	187347	91	24
132940	51	47	137637	142	08	183998	67	04	187347	91	25
133074	73	22	137637	85	34	184043	144	02	187347	91	29
133074	75	06	137655	139	06	184116	140	04	187347	91	30
134756	101	25	137657	145	03	184116	141	04	187618	136	07
134756	103	25	137658	145	02	184116	142	04	187724	10	05
134851	89	21	137660	145	01	184116	143	04	187725	67	07
135025	105	07	137661	140	06	184139	139	14	187726	67	08

Part No.	Page No.	Item No.	Part No.	Page No.	Item No.	Part No.	Page No.	Item No.	Part No.	Page No.	Item No.
188974	115	12	242636	21	08	271363	85	02	272053	33	11
188974	117	19	242636	22	05	271366	87	03	272082	56	01
189033	20	05	242636	23	05	271371	29	02	272099	19	09
189143	136	05	242636	24	03	271379	11	01	272248	61	03
189640	60	03	242636	25	25	271380	11	02	272287	115	21
189754	125	17	242779	11	09	271394	19	23	272287	117	26
190950	89	36	242780	11	10	271395	19	24	272287	119	15
190950	91	10	242832	05	10	271414	135	01	272299	67	17
190950	97	11	242832	19	05	271414	77	07	272300	67	16
191192	51	22	243009	85	33	271425	15	15	272318	67	02
192182	07	26	243033	33	15	271448	121	16	272398	85	15
192182	45	00	243203	137	06	271450	19	18	272426	65	02
192454	29	04	243270	13	03	271459	65	05	272443	49	05
192587	67	01	243319	51	34	271468	65	01	272452	105	01
193157	09	20	243319	55	02	271476	119	01	272452	115	09
193157	22	13	244815	37	11	271476	119	02	272452	117	10
193157	23	13	245121	125	07	271503	45	19	272531	21	04
193157	24	12	245235	37	15	271523	21	05	272537	60	10
193157	25	10	263369	25	17	271540	57	07	272542	22	09
193562	107	18	270064	87	32	271541	43	02	272542	23	09
193743	101	16	270064	89	39	271542	20	06	272542	24	06
193743	103	16	270238	73	31	271556	77	02	272542	25	05
193743	115	07	270238	75	27	271601	41	01	272543	22	10
193743	117	14	270246	19	15	271601	60	01	272543	23	10
193856	51	19	270298	73	25	271617	60	09	272543	24	07
194180	103	03	270298	75	34	271627	07	10	272543	25	04
194507	91	20	270301	73	26	271627	37	06	272546	31	05
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240277	129	13	270545	111	05	271718	43	01	272723	91	34
240278	128	04	270545	111	06	271743	20	08	272750	43	10
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50301041	61	01	50301461	43	19	50302053	09	01	50302490	31	14
50301045	71	15	50301465	49	06	50302080	111	15	50302491	85	12
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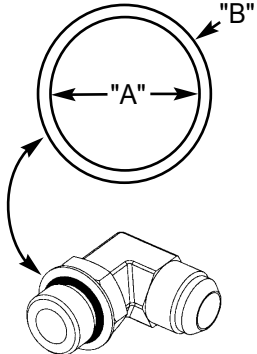
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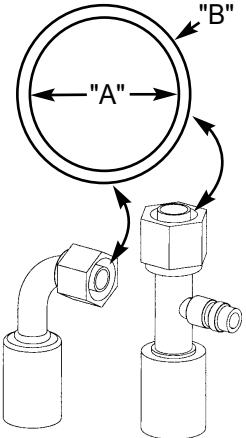
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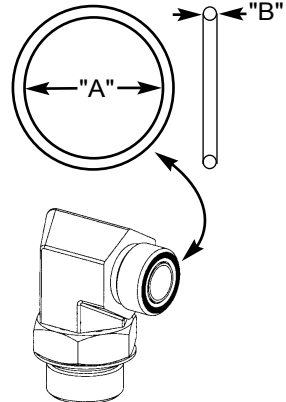
O-Ring Table — Male Boss Fittings

	Fitting Thread Size	Diameter "A"	Diameter "B"	Part Number
	(-6) 9/16 - 18	0.468	0.078	055897
	(-8) 3/4 - 16	0.644	0.087	055896
	(-10) 7/8 - 14	0.755	0.097	055898
	(-12) 1-1/16 - 12	0.924	0.116	048953
	(-16) 1-5/16 - 12	1.171	0.116	058674
	(-20) 1-5/8 - 12	1.475	0.118	077970
	A/C #6	0.312	0.453	138777
	A/C #8	0.437	0.578	138778
	A/C #10	0.562	0.703	138779

O-Ring Table — Air Conditioning Fittings

	A/C Fitting	Diameter "A"	Diameter "B"	Part Number
	A/C #6	0.312	0.453	138777
	A/C #8	0.437	0.578	138778
	A/C #10	0.562	0.703	138779

O-Ring Table — Face Seal Fittings

	Fitting Thread Size	Tube O.D.	Diameter "A"	Thickness "B"	Part Number
	9/16 - 18	1/4	0.301	0.070	50300165
	11/16 - 16	3/8	0.364	0.070	50300166
	13/16 - 16	1/2	0.489	0.070	50300167
	1-14 - 14	5/8	0.614	0.070	135124
	1-13/16 - 12	3/4	0.739	0.070	137205
	1-7/16 - 12	1	0.926	0.070	50300168

RT250 - REFERENCE ADAPTER (FITTINGS) TORQUE GUIDE

Use these torque values when tightening hydraulic, fuel, or coolant adapters (fittings).

SAE "O-Ring" Boss (Steel) Adapters					
Size		Pounds-Force Foot (lb.-ft.)		Newton Meter (N-m)	
Dash	Fractional	Minimum	Maximum	Minimum	Maximum
-3	3/16	8	10	11	13
-4	1/4	14	16	19	21
-5	5/16	18	20	24	27
-6	3/8	24	26	32	35
-8	1/2	50	60	68	81
-10	5/8	72	80	97	108
-12	3/4	125	135	170	183
-14	7/8	160	180	216	244
-16	1	200	220	271	298
-20	1-1/4	210	280	285	380
-24	1-1/2	270	360	366	488

JIC 37° and 45° (Machined or Flared) Adapters					
Size		Pounds-Force Foot (lb.-ft.)		Newton Meter (N-m)	
Dash	Fractional	Minimum	Maximum	Minimum	Maximum
-4	1/4	10	11	13	15
-5	5/16	13	15	17	20
-6	3/8	17	19	23	26
-8	1/2	34	38	46	51
-10	5/8	50	56	68	78
-12	3/4	70	78	95	106
-16	1	94	104	127	141
-20	1-1/4	124	138	168	187
-24	1-1/2	156	173	211	234
-32	2	219	243	297	329

METRIC BOLT TORQUE GUIDE

Use these torque values when tightening hardware—excluding: lock nuts, thread-forming, self-tapping, and metal screws—unless otherwise specified.

Metric Coarse-Pitch Thread—(DRY)	All torque values are in Foot-Pounds and Newton Meters (Nm).				
	DIN 912, DIN 931, DIN 933, etc...			DIN 7984	
	8.8	10.9	12.9	8.8	10.9
M5	4.1 (5.5)	6 (8)	7 (10)	4 (5)	5 (7)
M6	7 (10)	10 (14)	13 (17)	6.3 (8.5)	9 (12)
M8	18 (25)	26 (35)	31 (42)	15 (20)	22 (30)
M10	33 (45)	48 (65)	59 (80)	30 (40)	44 (59)
M12	64 (87)	81 (110)	108 (147)	51 (69)	74 (100)
M14	100 (135)	133 (180)	170 (230)	81 (110)	118 (160)
M16	155 (210)	203 (275)	258 (350)	125 (170)	184 (250)
M18	207 (280)	302 (410)	354 (480)	181 (245)	254 (345)
M20	302 (410)	420 (570)	509 (690)	251 (340)	361 (490)
M22	406 (550)	575 (780)	686 (930)	339 (460)	487 (660)
M24	524 (710)	738 (1000)	878 (1190)	435 (590)	620 (840)
M27	767 (1040)	1092 (1480)	1305 (1770)	642 (870)	922 (1250)
M30	1047 (1420)	1482 (2010)	1770 (2400)	885 (1200)	1254 (1700)

Metric Coarse-Pitch Thread—(OILED)	All torque values are in Foot-Pounds and Newton Meters (Nm).			
	DIN 912, DIN 931, DIN 933, etc...			
	8.8	10.9	12.9	
M6-1	6 (8)	8 (11)	10 (14)	
M8-1.25	14 (19)	20 (27)	24 (33)	
M10-1.5	28 (38)	39 (53)	47 (63)	
M12-1.75	48 (65)	68 (91)	82 (111)	
M14-2	77 (103)	108 (146)	131 (177)	
M16-2	118 (160)	166 (224)	200 (271)	

Metric Fine-Pitch Thread—(DRY)	All torque values are in Foot-Pounds and Newton Meters (Nm).				
	DIN 912, DIN 931, DIN 933, etc...			DIN 7984	
	8.8	10.9	12.9	8.8	10.9
M8X1.0	18 (25)	27 (37)	32 (43)	16 (22)	24 (32)
M10X1.0	37 (50)	55 (75)	65 (88)	32 (43)	48 (65)
M10X1.25	36 (49)	52 (71)	61 (83)	31 (42)	46 (62)
M12X1.25	64 (87)	96 (130)	111 (150)	55 (75)	81 (110)
M12X1.5	61 (83)	92 (125)	107 (145)	53 (72)	77 (105)
M14X1.5	100 (135)	148 (200)	173 (235)	89 (120)	129 (175)
M16X1.5	155 (210)	229 (310)	266 (360)	133 (180)	195 (265)
M18X1.5	232 (315)	332 (450)	391 (530)	199 (270)	284 (385)
M20X1.5	325 (440)	465 (630)	538 (730)	277 (375)	391 (530)
M22X1.5	435 (590)	620 (840)	723 (980)	369 (500)	524 (710)
M24X2.0	546 (740)	789 (1070)	922 (1250)	465 (630)	664 (900)
M27X2.0	811 (1100)	1143 (1550)	1328 (1800)	679 (920)	959 (1300)
M30X2.0	1106 (1500)	1586 (2150)	1844 (2500)	959 (1300)	1364 (1850)

RT250 - REFERENCE

SAE BOLT TORQUE GUIDE

Use these torque values when tightening hardware—excluding: lock nuts, thread-forming, self-tapping, and metal screws—unless otherwise specified.

NOTE: All torque values are in foot-pounds (lb.-ft.), except those marked with asterisks (*), which are in inch-pounds (lb.-in.). To convert lb.-ft. to Newton Meter (Nm)—metric—torque values, multiply the lb.-ft. value by 1.355, or for inch pounds, multiply the lb.-in. value by 0.113.

Unified National Thread	Grade 2 		Grade 5 		Grade 8 	
	Dry	Oiled	Dry	Oiled	Dry	Oiled
8-32	19*	14*	30*	22*	41*	31*
8-36	20*	15*	31*	23*	43*	32*
10-24	27*	21*	43*	32*	60*	45*
10-32	31*	23*	49*	36*	68*	51*
1/4-20	66*	50*	9	75*	12	9
1/4-28	76*	56*	10	86*	14	10
5/16-18	11	9	17	13	25	18
5/16-24	12	9	19	14	25	20
3/8-16	20	15	30	23	45	35
3/8-24	23	17	35	25	50	35
7/16-14	32	24	50	35	70	55
7/16-20	36	27	55	40	80	60
1/2-13	35	35	75	55	110	80
1/2-20	40	40	90	65	120	90
9/16-12	55	55	110	80	150	110
9/16-18	60	60	120	90	170	130
5/8-11	75	75	150	110	220	170
5/8-18	85	85	180	130	240	180
3/4-10	130	130	260	200	380	280
3/4-16	150	150	300	220	420	320
7/8-9	125	125	430	320	600	460
7/8-14	140	140	470	630	660	500
1-8	190	190	640	480	900	680
1-14	210	210	710	530	1000	740

* Value shown is in pound-force inch (lb.-in.)—inch pounds.



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