
BELARUS *90/92*

90-0000010KDS

CATALOGUE

OF PARTS AND ASSEMBLY UNITS

NOTE

Republican Unitary Enterprise “Minsk Tractor Works” constantly works on improving tractors Belarus and retains the right to change the design, technical data without prior notification of the customers.

Some designations, descriptions and figures in this catalog may differ from your tractor. Information on engineering changes by way of newsletters and regularly circulated among BELARUS tractor sales and service centres.

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INTRODUCTION

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Some designations, descriptions and figures in this catalog may differ from your tractor. To get detailed information, contact your dealer and use newsletters published by Minsk Tractor Works and regularly circulated among the consumers.

HOW TO USE THE CATALOG

The catalog consists of sections:

Assembly units and parts are divided into groups and subgroups according to functional attribute. Sections are illustrated with figures that makes easier to find a required part, get acquainted with the design of tractor, assembly units and it parts, and can serve as a manual for tractor disassembling and assembling.

Every group and subgroup contains constituent assembly units, original parts as well as parts, adopted from other BELARUS tractor groups.

Part numbers in every group and subgroup are arranged in accordance with order numbers of positions in the figures that makes mush easier to find parts in the catalogue.

Column “Quantity” specifies the number of assembly units and parts, used in the subgroup.

Conventional seven-digit system of assembly unit and part designation (after prefix) is applied for the Belarus tractor.

For example, according to this system rear axle assembly has number 70-2401010:

70 – first two digits before the dash mean tractor model, in this particular case it is “Tractor with one driving axle and electric starter startup of engine”.

24 – first two digits after the dash mean group number, in this particular case it is “Rear axle”.

01 – next two digits mean subgroup number, in this particular case it is “Rear axle case”.

010 – last three digits mean part or assembly unit number, in this particular case it is “Rear axle assembly”.

Position numbers of parts, which the assembly consists of, are given in brackets following seven-digit number of assembly unit.

Some part and assembly unit numbers have alphabetic, alphanumeric or digit prefixes at the end after the dash.

Prefixes A1, A2 and A3 that follow seven-digit part number mean that the design of these parts or assembly units has been changed, but is still **interchangeable** with the previously produced designs.

Prefixes B, B1, B2, V, G, D, etc. mean that new part designs **will not be interchangeable** with the previously produced ones, but are **interchangeable** with each other within the range of one symbol.

Digit prefixes that follow the part or assembly unit number, e.g. 01, 02, 03, etc., describe part or assembly unit version (structural or climatic) and these parts are **not interchangeable** with each other.

Parts, used for repairing only, have alphabetic prefixes R1, R2, R3 etc.

Materials of Minsk Motor Works, included in the present catalogue, are presented using the system of indents. The largest assembly unit is given in the first line, followed by its constituent parts, e.g.:

Designation

1 2 3 4 5 6 7

Constituent element

Fastenings

Assembly units of the constituent element

Fastenings of the assembly unit

Smaller indexing

Fastenings

Etc.

Digits 1 2 3 4 5 6 7 indicate affiliation of assembly units and parts to products and are the basis for their search. Fastenings are listed directly under the product (assembly unit) for which fixing they are used; their citation precedes the citation of the parts being the constituent elements of this product. Fastenings are given in the same column as the products, which it is fixed with, titled "Fastenings".

**Latin symbols and designations used in catalogue
And corresponding Russian (Cyrillic Alphabet) equivalents**

Latin symbols and designations	Russian (Cyrillic) equivalents
A; AR	А; АР
AUSh	АУШ
B; BP	Б; БП
BZA	БЗА
V; VM; VK; VM	В; ВМ; ВК; ВМ
G; Gg; GV	Г; Гг; ГВ
D	Д
DUMP	ДУМП
E	Е
EMUSh	ЕМУШ
Zh	Ж
Z; ZF; ZL	З; ЗФ; ЗЛ
I	И
K; KG; KP; KL; KR; KM	К; КГ; КП; КЛ; КР; КМ
KDS	КДС
KSP	КСП
KFA	КФА
L	Л
M	М
MKPV	МКПВ
N; NSh; NK	Н; НШ; НК
P; PR; PK; PS	П; ПР; ПК; ПС
R; RD; RN; RP	Р; РД; РН; РП
S; ST; SSh; SU	С; СТ; СШ; СУ
SBASN	СБАШН
T; TK; TH; TS	Т; ТК; ТХ; ТС
TIIR	ТИИР
TsbN	ТсбН
TIIR	ТИИР
U	У
UKF	УКФ
UTNI	УТНИ
F; FT; FP	Ф; ФТ; ФП
H; Hr; HS	Х; Хр; ХС
C; CS	Ц; ЦС
C...hr	Ц...хр
Ch	Ч
Sh; ShCh; ShP	Ш; ШЧ; ШП
ShCK	ШЦК
JeI; JeRP	ЭИ; ЭРП

PERFORMANCE SPECIFICATIONS

GENERAL		
Tractor type	Wheeled, general-purpose, category 14 kN (1,4 ton-force)	
Tractor trademark	BELARUS	
Tractor model	90	92
Overall dimensions (allowable variation ± 50 mm), mm:		
• length without ballast weights <i>длина без грузов</i>	3840	3930
• length over the wheels	3650	3740
• width	1970	
• cab height	2780	2800
Tractor base, mm	2370	
Tractor track, mm:		
• front wheels	1350 - 1850	1430 - 1990
• rear wheels	1400 - 1600	1800 - 2100
Agrotechnical clearance, not less than, mm:	465	
Minimal turning radius against the middle of the external front wheel track with slight braking of the inner rear wheel, m		
Operating weight, kg	3460	3690
DIESEL		
Trademark	“MMZ”	
Model	D-243	
Type	4-stroke, without turbocharging	
Carburation method	Direct fuel injection	
Number of Cylinders	4	
Cylinder bore/Piston stroke, mm/mm	110/125	
Compression ratio (estimated)	16±1	
Displacement volume, l	4,75	
Firing sequence	1 – 3 – 4 – 2	
Rated power, kW (h.p.)	59,6 (81)	
Rated crankshaft speed, rpm	2200	
ELECTRIC EQUIPMENT		
Rated voltage, V:		
• onboard electric network	12	
• startup system	12	
Alternator	14B, 1150 Bт	
POWER TRAIN		
Clutch (type)	Friction clutch, dry, single-plate, spring-loaded	
Gearbox (GB)	9/2, mechanical reducing gear	
Rear axle	Main gear: a pair of spiral bevel gears. Differential gear: bevel, with four satellites. Final drive: a pair of cylindrical gears.	
FRONT DRIVING AXLE (FDA)		
FDA Drive	from transfer box by two cardan shafts with intermediate bearing	
FDA Control	mechanical	
FRAME, RUNNING SYSTEM		
Frame	Semi-frame	
Tires:		
• front wheels	9,00-20 (9,00R20) with front axle; 11,2-20 (11,2R20) with FDA - 72	

• rear wheels	15,5R38;
Steering	hydraulic mechanical
Brakes	Two- or three-disk, dry, with mechanical servo
CAB	
Type	Canopy frame
REAR POWER TAKEOFF	
Drive	Mechanical
Rated speed, rpm:	
• independent I	540 rpm at 2081 rpm of diesel
• independent II	1000 rpm at 2302 rpm of diesel
• synchronous drive, rev. per m of travel	3,4 rev. per m of travel at installation of rear tires 15,5R38

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GROUP 10 DIESEL MECHANISMS
Subgroup 1001. Front support installation
Subgroup 1002 Cylinder block
Subgroup 3802 Drive and counter installation (Fig. 1)

Pos. No.	Assembly unit, part identification.	Designation						Qty in group
		1	2	3	4	5	6	
1	240-1001000-A	Front support installation						1
2	240-1001010-A	Engine front support						1
3	240-1001015-A1	Front engine support						1
4	240-1001025	Cushion with arrester						1
5	M8-6gX16	Bolt						1
6	8 65G 06	Washer						4
7	M10-6gX30	Bolt						4
8	10 65G 06	Washer						2
9	240-1002000-B-106	Cylinder block						2
10	50-1002040-V	Oil crankcase support						1
11	50-1002042-V	Oil crankcase support						1
12	240-1002044	Pin						1
13	50-1002313-V	Back sheet						2
14	50-1002316-A2	Oil seal housing gasket						1
15	50-1002340	Detent						1
16	240-1002030	Distribution board						1
17	240-1002033	Distribution board gasket						1
18	240-1002046	Pin						1
19	240-1002049	Gasket						2
20	240-1002060-A	Distribution cap						2
21	240-1002044	Pin						1
22	240-1002055	Cup						2
23	240-1002065-A2	Distribution cap						1
24	240-1002064-A	Distribution cap gasket						1
25	240-1002080-A	Neck installation						1
26	240-1002082-A1	Neck gasket						1
27	240-1002085	Mesh						1
28	240-1002115	Neck						1
29	240-1002088-V	Branch						1
30	A19.01.003	Spring ring						1
31	A19.01.100	Cover						1
32	042-048-30-2-1	Ring						1
33	A19.01.001	Plug						1
34	M8-6gX20	Bolt						1
35	8 65G 06	Washer						2
36	240-1002310	Sealing						2
37	240-1002300	Oil seal housing with ring						1
38	240-1002311	Slinger ring						1
39	240-1002315	Oil seal housing						1
40	240-1002305	Collar						1
41	240-1002314	Back sheet gasket						1
42	240-1002320-V	Oil dipstick						1
43	240-1002328	End cap						1
								2

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
	240-1002010-B1	Cylinder block						1
34	50-1002034	Positioning pin						2
35	50-1002318-B	Eye-bolt						2
36	50-1002326-V	End cap						2
37	240-1002323-B	Tube						1
	245-1002009	Cylinder block						1
38	50-1002327-A	Plug						1
39	240-1002015-A2	Cylinder block						1
40	240-1002067-A	Bushing						1
41	240-1002068-A	Rear bushing						1
42	240-1002069-A	Front bushing						1
	50-1005140 KT	Main bearing cap set						1
43	50-1005140-B	Main bearing cap						3
44	50-1005141-B	1 st main bearing cap						1
45	50-1005152-V	5 th main bearing cap						1
46	50-1005159-B1	Main bearing cap bolt						10
47	50-1005161	Washer						10
48	45-08KP.C9.Hr	End cap						1
49	245-1002021-A1	Cylinder block sleeve						4
50	50-1002022	Sleeve ring						8
51	50-1005019	Pin						2
52	PS7-0	Tap						1
53	M10-6gX20	Bolt						4
54	M10-6gX25	Bolt						9
55	M10-6gX30	Bolt						1
56	M10-6gX45	Bolt						2
57	M10-6gX60	Bolt						1
58	M10-6gX75	Bolt						2
59	M12-6gX30	Bolt						7
60	M12-6gX35	Bolt						2
61	10 65G 06	Washer						19
62	12 65G 06	Washer						2
63	12 OT 65G 06	Washer						7
	245-1006310-V-05	Fuel injection pump drive						
64	240-1002038	Hatch gasket						1
65	245-1002036	Hatch cover						1
66	50-1022067	O-ring						3
67	M8-6gX30	Bolt						3
	240-3802000-A-05	Drive and counter installation						
68	240-1002062	Cover (is not displayed in Fig. 1)						1
69	50-1021012	Gasket						1
71	M6-6gx16	Bolt						3
72	6 65G 06	Washer						3

Subgroups 1003, 1007 Cylinder head and intake line installation (Fig. 2)

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1003010-A	Cylinder head installation						1
2	240-1002047	Bolt						12
3	240-1002047-01	Bolt						4
4	48-1002318	Washer						16
5	50-1003070-A (or 50-1003070-A3)	Cylinder head gasket						1
6	50-1003104-A	Cap nut						4
7	50-1003106	Washer						4
8	50-1003107-A	Ring						4
9	240-1003108	Cylinder head cover gasket						1
10	240-1003109	Cylinder head cover cap gasket						1
11	240-1003011	Cylinder head						1
12	50-1003103-A	Sleeve						2
13	50-1003112	Rest stud						4
14	240-1003013-A2-06	Cylinder head						1
15	240-1003027-A2	End cap						5
16	240-1003029	Bushing						6
17	240-1003037	End cap						1
18	240-1003015-A1	Cylinder head						1
19	245-1007032	Valve guide bushing						8
20	D02-003-A	End cap						4
21	50-1007053-A2	Valve cotter						16
22	240-1007015-B6 (or B7, or B9)	Exhaust valve						4
23	240-1007020	Valve sealing cup						8
24	240-1007045-A3 (or A8, or A9, or A10)	Outer valve spring						8
25	240-1007046-A3 (or A5)	Inner valve spring						8
26	240-1007048	Valve spring disk						8
27	240-1007054	Lower washer of valve spring						8
28	240-1007055	Upper washer of valve spring						8
29	240-1007014-B7 (or B4, or B9)	Intake valve						4
30	240-1003030-A	Cylinder head cover						1
31	240-1003031	Gasket						2
32	240-1003032-A	Cylinder head cover						1
33	240-1003033-14	Intake manifold						1
34	240-1003264-A	Gasket						1
35	243-1109210	Branch pipe						1
36	242-3509213	Pipe union						1
37	242-3707220-A	Tank with plug						1
38	240-3707200	Plug						1
39	242-3707140-A	Tank						1
40	50-1117028	Threaded plug						1
41	D18-055-A	O-ring						1
42	KG 1/8". A12.016	Plug						1
43	2.5X10	Pin						2
44	M8-6gX20	Bolt						5
45	M8-6gX35	Bolt						4
46	8 65G 06	Washer						9
47	240-1007100-B1	Rocker mechanism						1
48	50-1007102-A1	Rocker shaft						1

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
43	50-1007103-A							3
44	50-1007175-B1							8
45	50-1007182							2
46	50-1007183							2
47	50-1007212-A4							8
48	240-1007151-B							1
	240-1007151-B-01							1
49	240-1007152-B							1
	240-1007152-B-01							1
50	240-1007185							1
51	10 65G 06							1
52	D02-063							8
53	240-1007310-B1							8
54	240-1007375-A1 (or A2)							8
	240-1002470							1
55	240-1002430-G							1
56	240-1002440							1
57	240-1002444-A1							1
58	240-1003122-B							1
59	M8-6gX16							4
60	8 65G 06							4
61	KG 3/8". A12.016							2
62	70-8115022-A							1
63	50-1015598							1
64	M12-6N							4
65	M8-6gX20							2
66	M8-6gX30							1
67	M8-6gX35							2
68	M8-6gX80 (or 240-1022070-03)							1
69	M12-6gX85							2
70	8 65G 06							5
71	8.01.08KP							1
72	12.01.08KP							2
73	240-1111115-A							1
74	240-1111125-A1							1

**Subgroup 1003, 1007 Cylinder head and intake line installation
(Fig. 3 – for engines D-244)**

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
	240-1003010-A-23							1
1	240-1002047							12
2	240-1002047-01							4
3	48-1002318							16
4	50-1003070-A (or 50-1003070-A3)							1
5	50-1003104-A							4
6	50-1003106-01							4
7	50-1003107-A-01							4
8	240-1003108							1
9	240-1003109							1

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
10	240-1003011	Cylinder head						1
11	50-1003103-A	Sleeve						2
11	50-1003112	Rest stud						4
12	240-1003013-A2-06	Cylinder head						1
12	240-1003027-A2	End cap						5
13	240-1003029	Bushing						6
14	240-1003037	End cap						1
15	240-1003015-A1	Cylinder head						1
16	245-1007032	Valve guide bushing						8
17	D02-003-A	End cap						4
18	50-1007053-A2	Valve cotter						16
19	240-1007015-B6 (or B7, or B9)	Exhaust valve						4
20	240-1007020	Valve sealing cup						8
21	240-1007045-A3 (or A8, or A9, or A10)	Outer valve spring						8
22	240-1007046-A3 (or A5)	Inner valve spring						8
23	240-1007048	Valve spring disk						8
24	240-1007054	Lower washer of valve spring						8
25	240-1007055	Upper washer of valve spring						8
26	240-1007014-B7 (or B4, or B9)	Intake valve						4
27	240-1003030-A-07	Cylinder head cover						1
28	240-1003031	Gasket						2
29	240-1003032-A	Cylinder head cover						1
30	240-1003033-16	Intake manifold						1
31	240-1003264-A	Gasket						1
32	243-1109210	Branch pipe						1
33	240-1003034-01	End cap						1
34	240-3707115-A1	Gasket						1
34a	M6-6gX16	Bolt						2
35	6 65G 06	Washer						2
36	50-1117028	Threaded plug						1
37	D18-055-A	O-ring						1
38	KG 3/8"	Plug						1
39	2.5X10	Pin						2
40	M8-6gX20	Bolt						3
41	M8-6gX35	Bolt						4
42	8 65G 06	Washer						7
43	240-1007100-B1	Rocker mechanism						1
44	50-1007102-A1	Rocker shaft						1
45	50-1007103-A	Rocker shaft spring						3
46	50-1007175-B1	Adjusting screw						8
47	50-1007182	Rocker shaft stopper						2
48	50-1007183	Stopper washer						2
49	50-1007212-A4	Valve rocker with bushing						8
50	240-1007151-B	Outer rocker shaft bracket						1
51	240-1007151-B-01	Outer rocker shaft bracket						1
52	240-1007152-B	Center rocker shaft bracket						1
53	240-1007152-B-01	Center rocker shaft bracket						1
54	240-1007185	Rocker shaft arrester						1
55	10 65G 06	Washer						1
56	D02-063	Nut						8
57	240-1007310-B1	Bar						8
58	240-1007375-A1 or A2	Valve lifter						8

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
55	240-1002470	Breather installation						1
56	240-1002430-G	Breather body						1
56	240-1002440	Filter						1
57	240-1002444-A1	Gasket						1
58	240-1003122-B	Cover cap						1
59	M8-6gX16	Bolt						4
60	8 65G 06	Washer						4
61	KG 3/8". A12.016	Plug						2
62	70-8115022-A	Branch pipe						1
63	50-1015598	Branch pipe gasket						1
64	M12-6N	Nut						4
65	M8-6gX20	Bolt						2
66	M8-6gX30	Bolt						1
67	M8-6gX35	Bolt						2
68	M8-6gX80 (or 240-1022070-03)	Bolt						1
69	M12-6gX85	Bolt						2
70	8 65G 06	Washer						5
71	8.01.08KP	Washer						1
72	12.01.08KP	Washer						2
73	240-1111115-A-01	Bracket						1
74	240-1111125-A1-01	Bracket						1

**Subgroups 1004, 1005. Pistons and connecting rods. Crankshaft. Flywheel
(Fig. 4)**

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1005015-B-04	Crankshaft						5
2	50-1005021-A	End cap						1
3	50-1005043	Rear crankshaft oil slinger						4
4	50-1005157-V	End cap						4
5	50-1005191-A	Crankshaft pipe						1
6	240-1005014	Crankshaft						4
7	240-1005017	Crankshaft counterweight						8
8	240-1005018	Counterweight fastening bolt						1
9	240-1005020-B1	Crankshaft						8
10	240-1005024	Lock plate						1
11	240-1005030-A1	Crankshaft distribution gear						4
12	4X22	Lock pin						2
13	6X9	Key						3
14	50-1005019	Pin						4
15	A23.01-81-240 TsbN1 or A23.01-81-240SBASN1	Crankshaft bearing liner set						4
16	A23.01-8116 or A23.01-81.037	Crankshaft bearing liner						4
17	A23.01-8117 or A23.01-81.038	Crankshaft bearing liner						1
18	A23.01-8118 or A23.01-81.040	Crankshaft bearing liner						

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
16	A23.01-8119 or A23.01-81.039	Crankshaft bearing liner						1
17	A23.01-10401	Semi-ring						2
18	A23.01-10403	Semi-ring						2
	240-1004010-A-18 or 240-1004010-A-19 or 240-1004010-A-20 or 240-1004010-A-21 or 240-1004010-A-22 or 240-1004010-A-23 or 240-1004010-A-24 or 240-1004010-A-25 or 240-1004010-A-26 or 240-1004010-A-27 or 240-1004010-A-28 or 240-1004010-A-29 or 240-1004010-A-30 or 240-1004010-A-31 or 240-1004010-A-32 or 240-1004010-A-33 or 240-1004010-A-34 or 240-1004010-A-35	Piston with connecting rod						4
19	50-1004042-A1	Piston pin						1
20	240-1004021-D-03 or 240-1004021-D or 240-1004021-D-01 or 240-1004021-D-02 or 240-1004021-D-04 or 240-1004021-D-05	Piston						1
21	240-1004022	Piston pin circlip						2
	240-1004100	Connecting rod						1
22	50-1004182-A1	Connecting-rod bolt						2
23	50-1004188	Nut of connecting-rod bolt						2
24	240-1004112	Connecting rod						1
25	240-1004115-A	Bushing of con-rod small end						1
26	240-1004125	Connecting rod cap						1
27	245-1004190	Washer						2
28	ST240-1004062 or 240-1004062 or 14-110-30-02	Compression ring						1
29	ST260-1004063 or 260-1004063 or 30-110-25-02	Compression ring						1
30	ST260-1004080 or 260-1004080 or 64-110-50-02	Oil-scraper ring						1
31	50-1005042	Front crankshaft oil slinger						1
32	50-1005054	Crankshaft bolt						1
33	50-1005055-A	Crankshaft bolt washer						1
34	50-1005127-A	Flywheel fastening bolt						7
35	48-1002318	Washer						7
36	240-1005033-A-01 or 240-1005033-01	Oil pump drive pinion gear						1

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
37	240-1005115	Flywheel						1
38	240-1005114-A	Flywheel						1
39	50-1005121-A	Flywheel ring gear						1
40	240-1005120	Flywheel						1
41	240-1005122	Pin						6
42	240-1005131-G	Crankshaft pulley						1
43	A23.01-74-240 TsbN1	Connecting-rod insert set						1
44	or A23.01-74-240 sbASN1							
45	A23.01-7403 or	Connecting-rod insert						8
46	A23.01-74.014							

**Subgroup 1005. Clutch coupling installation
(Fig. 5)**

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1005009	Clutch coupling installation						6
2	70-1601074	Bushing						1
3	80-1601090	Clutch plate						1
4	85-1601130-02	Driven plate						6
5	M12x1,25-6N	Nut						6
6	12.OT	Washer						6

**Subgroup 1006. Distributing gear
(Fig. 6)**

№ поз.	Assembly unit, part identification.	Наименование						Кол-во в группе
		1	2	3	4	5	6	
1	50-1006250-V	Intermediate gear pin						1
2	50-1006252-V1	Intermediate gear pin						1
3	50-1005021-A	End cap						1
4	50-1006253	Thrust ring						1
5	240-1006240-A1	Intermediate gear with bushing						1
6	240-1006244-B	Intermediate gear						1
7	240-1006246	Bushing						1
8	50-1006254	Strap						1
9	M8-6gx16	Bolt						2
10	8 65G 06	Washer						2
11	50-1006021-B	Thrust washer						1
12	50-1006247	Special screw						1
13	M10-6gx30	Bolt						1
14	10 65G 06	Washer						2

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
13	240-1006010	Camshaft						1
14	240-1006015-A	Camshaft						1
15	6x9	Key						1
16	50-1006017-B	Washer						1
17	240-1006214-A1	Camshaft gear						1
18	50-1006018	Camshaft thrust washer						1
19	245-1006020	Special bolt						1
20	245-1006311-V1	Fuel pump drive gear						1
21	50-1006315-B4	Gasket						1
22	M10-6N.12.40H	Nut						3
22	260-1111208	Washer						3

**Subgroup 1008. Exhaust manifold installation
(Fig. 7)**

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1008010-A2-02	Exhaust manifold installation						2
2	50-1008026-B	Outer gasket of exhaust manifold						1
3	50-1008027-B	Center gasket of exhaust manifold						1
4	240-1008015-A1	Manifold						1
5	50-1008028	Gasket						1
6	240-1008021-B1	Adapter						1
7	240-1008025-A	Exhaust manifold						1
8	245-1008023-A	Bolt						4
9	12 65G 06	Washer						4
10	240-1306038-A	End cap						1
11	70-3407164	Bracket						1
12	245-3701069	Washer						3
13	M12-6gx20	Bolt						1
14	M12-6gx35	Bolt						5
15	M12-6gx85	Bolt						1
16	12 65G 06	Washer						1

Subgroup 1009. Oil crankcase installation (Fig. 8)

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	245-1009000-G	Oil crankcase installation						2
2	245-1009104	Plate						1
3	245-1009110-V	Oil crankcase						2
4	50-1401063-V1	Oil crankcase gasket						1
5	240-1401059-A1	Front seal						1
6	240-1401065-A1	Rear seal						1
7	M8-6gx25	Bolt						22
8	8T 65G 06	Washer						22

Subgroup 1022. Gear-type pump installation (Fig. 9)

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1022040	Hydraulic pump installation						1
2	240-1022030	Hydraulic pump drive						1
3	240-1022061-B	Hydraulic pump drive gear						1
4	240-1022069	Hydraulic pump body						1
5	240-1307064-01	Retaining ring						1
6	Ring V25	Ring						1
7	205K	Bearing						2
8	240-1022062	Gasket						1
9	240-1022075-A1	Gasket						1
10	M8-6gx30	Bolt						4
11	M8-6gx70	Bolt						1
12	8 65G 06	Washer						5
13	NSh 10Zh-3-04L or NSh 14, or NSh 16	Gear-type pump						1

GROUP 11 FEED SYSTEM**Subgroup 1109. Air cleaner installation
(Fig. 10)**

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1109010-A-15	Air cleaner installation						1
2	240-1109015-A-08	Air cleaner						1
3	240-1109035-A2-09	Air cleaner body						1
4	240-1109095	Yoke						1
5	240-1109096-B1	Yoke stop						1
6	240-1109165	Filter element						1
7	240-1109166-B	Filter element						1
8	240-1109167-B	Filter element						1
9	240-1109254-V	Oil bath						1
10	240-1109255	Pan						1
11	240-1109262	Pinch bolt						2
12	240-1109306	Gasket						1
13	M6-6N.45L	Knockoff Nut						2
14	6.01.08KP	Washer						2
15	240-1109280	Bracket						1
16	50-1109296-B	Pin						1
17	240-1109290-B1	Air cleaner bracket						1
18	240-1109299	Air cleaner retaining clamp						1
19	50-1401067	Washer						1
20	3.2X18.019	Cotter pin						1
21	50L-1109301-B	Pin						1
22	50-1401067	Washer						1
23	M8-6N	Nut						1

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
21	M8-6gX 45	Bolt						1
22	RD 63-74-75-0,2	Hose						1
	A53.21.000	Monocyclone						1
23	A53.21.001	Branch pipe						1
24	A53.21.002	Cap						1
25	HS-71.016	Tension shackle						2

Subgroup 1111. Fuel equipment installation (Fig. 11)

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
	240-1111000-A1	Fuel equipment installation						
1	36-1104787	Pipe union bolt						3
2	36-1104788	Gasket						8
3	240-1104300-01	High-pressure fuel pipe						1
4	240-1104300-02	High-pressure fuel pipe						1
5	240-1104300-03	High-pressure fuel pipe						1
6	240-1104300-04	High-pressure fuel pipe						1
7	240-1104320-A2-02	Drain fuel piping						1
8	245-1104180-A-02	Low-pressure fuel pipe						1
9	245-1104180-A-06	Low-pressure fuel pipe						1
10	245-1104180-A-10	Low-pressure fuel pipe						1
11	240-1105010	Fuel coarse filter						1
12	240-1111036-B1	Guard ring						4
13	240-1111101-B	Shackle						2
14	240-1111105	Shoe						1
15	240-1111106	Shoe						2
16	240-1111112	Pipe union						1
17	240-1111114	Shoe						1
18	245-1111020	Screen-gasket						4
19	245-1111113	Protective bushing						1
20	245-1117010-G	Housing assembly						1
21	245-1117105	Pipe union with plug						1
22	FT020-1117010	Fuel fine filter						1
23	M6-6N	Nut						5
24	M10-6gX 20	Bolt						3
25	M10-6gX25	Bolt						2
26	M10-6gX 35	Bolt						10
27	M10-6gX120	Bolt						2
28	6 65G 06	Washer						5
29	10 65G 06	Washer						11
30	171.1112010-02	Injector						4
31	4UTNI-1111007-420	Fuel pump						1
32	D18-051-A	Swinging angle joint bolt						1
33	D18-055-A	O-ring						12

Subgroup 1117. Fine fuel filter (Fig. 12)

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	245-1117010-G	Housing						1
2	245-1117075	Housing						1
3	245-1117079	Pipe union						1
4	245-1117081	Cover						1
5	D18-055-A	O-ring						1
6	245-1117091-B	Bracket						1
7	M10-6N	Nut						2
8	M10-6gx30	Bolt						2
9	10 65G 06	Washer						2
10	245-1117105	Pipe union with plug						1
11	240-1003281	Plug						1
12	36-1104788	Gasket						1
13	D18-052	Pipe union						1
14	FT020-1117010	Fuel purification filter						1
15	D18-051-A	Swinging angle joint bolt						1
16	D18-055-A	O-ring						4

Subgroup 1105. Coarse fuel filter (Fig. 13)

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1105010	Fuel coarse filter						4
2	M8-6gx25	Bolt						4
3	M8-6N	Nut						4
4	8 65G 06	Washer						4
5	240-1105016	Housing						1
6	98-4-4-1b	Ring						1
7	240-1105011	Disperser						1
8	240-1105025	Deflector						1
9	240-1105020	Sleeve						1
10	240-1105030	Plug						1
11	260-1117134	O-ring						1
12	D16-111-A	Protective bushing						2
13	D18-051-A	Swinging angle joint bolt						2
14	D18-055-A	O-ring						4

GROUP 13 COOLING SYSTEM**Subgroup 1306. Thermostat housing installation (Fig. 14)**

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	245-1306030-A	Thermostat housing installation						2
2	M8-6gx25	Bolt						2
3	M8-6gx95	Bolt						4
4	50-1401067	Washer						1
5	50-1306026	Thermostat housing gasket						1
6	245-1306040	Thermostat housing						4
7	M8-6gx25	Bolt						4
8	50-1401067	Washer						1
9	245-1306025	Housing cover						1
10	KG 3/8"	Plug						1
11	TS107-1306100-04	Wax thermostat						1
12	245-1306023	Gasket						1
13	245-1306021	Lower housing						1
14	245-1306027	Pipe union						1
15	80-3801092-B	Bracket						1
16	50-1306028-B3	Thermostat hose						1
17	«Norma» 20-32	Clamp						2

Subgroup 1307. Water pump installation**Subgroup 1308 Fan installation (Fig. 15)**

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1307000	Water pump installation						1
2	50-1307048-B	Housing gasket						1
3	240-1307012-A1	Water pump						1
4	50-1307049-A	Branch pipe gasket						1
5	240-1307010-A1	Water pump						1
6	50-1005161	Washer						1
7	SP/1341	Water pump packing seal						1
8	240-1307064	Retaining ring						1
9	240-1307070-B	Water pump pulley						1
10	240-1307074-V	Impeller						1
11	240-1307075	End cap						1
12	245-1307025	Water pump housing						1
13	245-1307052-G	Shaft						1
14	245-1307084	Bushing						1
15	245-1307094	Thrust ring						1
16	M16x1,5-6N	Nut						1
17	1160305	Ball radial single-row bearing						2
18	KG 3/8"	Plug						1
19	5x7,5	Key						1
20	245-1307060-01	Water pump branch pipe						1
21	245-1306027	Pipe union						1
22	50-1307044-B	Water pump branch pipe						1
23	50-1401067	Washer						2
24	M8-6gx45	Bolt						2

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
21	M10-6gx45	Bolt						2
22	M10-6gx50	Bolt						1
23	10 65G 06	Washer						3
	245-1308000-E-01	Fan installation						
24	245-1308010-A	Fan						1
25	M8-6gx25	Bolt						6
26	2KL.I-11H10-1250 or AVX 13-1250 or SPA-1250	Belt						1
27	8 65G 06	Washer						6

GROUP 14 LUBRICATION SYSTEM
Subgroup 1400. Oil pump installation (Fig. 16)

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1400010-B	Oil pump installation						2
2	M12-6gx40	Bolt						2
	12T 65G 06	Washer						1
3	240-1402000-A3	Oil pump receiver installation						1
	50-1402053	Flange gasket						1
4	240-1402010-A3	Oil receiver						1
5	M8-6gx50	Bolt						2
6	8T 65G 06	Washer						2
7	50-1403015-A	Outlet branch						1
8	M8-6gx20	Bolt						4
9	8T 65G 06	Washer						4
10	50-1403033	Flange gasket						2
	245-1403010	Oil pump						1
11	M8-6gx50	Bolt						4
12	8T 65G 06	Washer						4
13	240-1002044	Pin						2
	50-1403110-B	Oil pump driven gear						1
14	50-1403115-B	Oil pump driven gear						1
15	D08-002-A	Oil pump body bushing						1
	or A57.03.028-A	Intermediate gear bushing						1
16	50-1403125-B	Driven gear pin						1
17	50-1403233	Positioning pin						2
	240-1403020	Oil pump body						1
18	240-1403025	Oil pump body						1
19	50-1403019-B	Body bushing						1
	or A57.03.026-A	Shaft						1
20	240-1403120-A-02	Oil pump shaft						1
21	50-1403052-V	Oil pump drive gear						1
	50-1403075-V	Oil pump cover						1
22	240-1403150	Oil pump cover						1
23	240-1403155	Oil pump cover						1
	50-1403012-B	Body bushing						1
24	or A57.03.027-A	Gear of oil pump drive						1
	245-1403228							1

Subgroup 1404. Centrifugal filter installation (Fig. 17)

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1404000-A	Centrifugal filter installation						4
2	36-1104788	Gasket						1
3	50-1404068	Centrifugal filter housing gasket						1
4	240-1404010-A	Centrifugal oil filter						1
5	50-1117028	Threaded plug						1
6	50-1404059-B1	Cap gasket						1
7	50-1404071-A	Centrifugal filter valve						3
8	50-1404072	Adjusting plug						1
9	50-1404075	Pressure reducing valve plug						3
10	50-1404077-A	Plug						2
11	or 240-1404096	End cap						2
12	50-1404081-A1	Centrifugal filter valve spring						1
13	50-1404083-A1	Drain valve spring						1
14	50-1404085-A1	Pressure reducing valve spring						1
15	240-1404020-A2	Rotor with shaft						1
16	240-1404017-B	Rotor housing						1
17	240-1404030-A	Rotor cup						1
18	240-1404023	Rotor cup						1
19	240-1404033	Thrust ring						1
20	240-1404035-A	Special nut						1
21	240-1404049	Inner cup						1
22	240-1404080-A1	Rotor shaft						1
23	240-1404012-V	Rotor shaft						1
24	240-1404013-B	Tube						1
25	240-1404019-B	Rotor housing cover						1
26	240-1404028	Pin						1
27	240-1404090-B	Nozzle						1
28	240-1404118	Ring						1
29	240-1404140	Filter screen						1
30	240-1404024	Rotor impeller						1
31	240-1404110	Filter screen						1
32	240-1404111	Screen						1
33	240-1404113	Cover						1
34	115-120-30-2-1	Ring						1
35	V2.M6-6gx14	Screw						3
36	M12H1,25-6N	Nut						1
37	D37A-1407607-V	Thrust washer						1
38	240-1404027	Centrifugal filter cap						1
39	240-1404067-A	Centrifugal filter housing						1
40	240-1404074	Insert						1
41	240-1404088	Cap nut						1
42	KG 1/4"	Plug						1
43	KG 1/8"	Plug						1
44	D09-035-A	Bypass valve plug gasket						3
45	D18-055-A	O-ring						1
46	M10-6gX30	Bolt						2
47	M10-6gX 50	Bolt						2

GROUP 35 PNEUMATIC COMPRESSOR
Subgroup 3509. Pneumatic compressor installation (Fig. 18)

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-3509030-A	Pneumatic compressor installation						1
2	A29.05.000-BZA	Pneumatic compressor						1
3	M10-6gx45	Bolt						3
4	M10-6N	Nut						3
5	10 65G 06	Washer						3
6	36-1104788	Gasket						3
7	240-3509037-A	Gasket						1
8	240-3509150	Oil piping						1
9	36-1104787	Pipe union bolt						1
10	240-3509232	Pipe union						1
11	240-3509158	Clamp						1
12	240-3509159	Buckle						1
13	M6-6gx16	Bolt						1
14	M6-6N	Nut						1
15	6 65G 06	Washer						1
16	RD 18-29-300-1,3	Hose						1
17	HS-26.016	Tension shackle						2

GROUP 37 ELECTRIC EQUIPMENT
Subgroup 3701. Alternator installation (Fig. 19)

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-3701050-V-36	Alternator installation						1
2	50-1002073	Thrust washer						1
3	240-3701056-V	Alternator bracket						1
4	240-3701060-B	Board						1
5	240-3701063	Strap						1
6	240-3701063-01	Strap (D-244)						1
7	240-3701068-B	Brace (D-243, D-242)						1
8	240-3701068-B-01	Brace (D-244)						1
9	245-3701069	Washer						2
10	M8-6N	Nut						1
11	M10-6N	Nut						3
12	M8-6gX20	Bolt						1
13	M8-6gX95	Bolt						1
14	M10-6gX20	Bolt						1
15	M10-6gX30	Bolt						1
16	M10-6gX55	Bolt						1
17	M12-6gX30	Bolt						2
18	8 65G 06	Washer						2
19	10 65G 06	Washer						2
20	G9695.3701-1	Alternator						1

Subgroup 3708. Starter installation (Fig. 20)

Pos. No.	Assembly unit, part identification.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	245-3708030-12	Starter installation						1
2	M12-6N	Nut						2
3	M12-6gx30	Bolt						1
4	M12-6gx45	Bolt						3
5	12 65G 06	Washer						1
6	ST142M	Starter						1

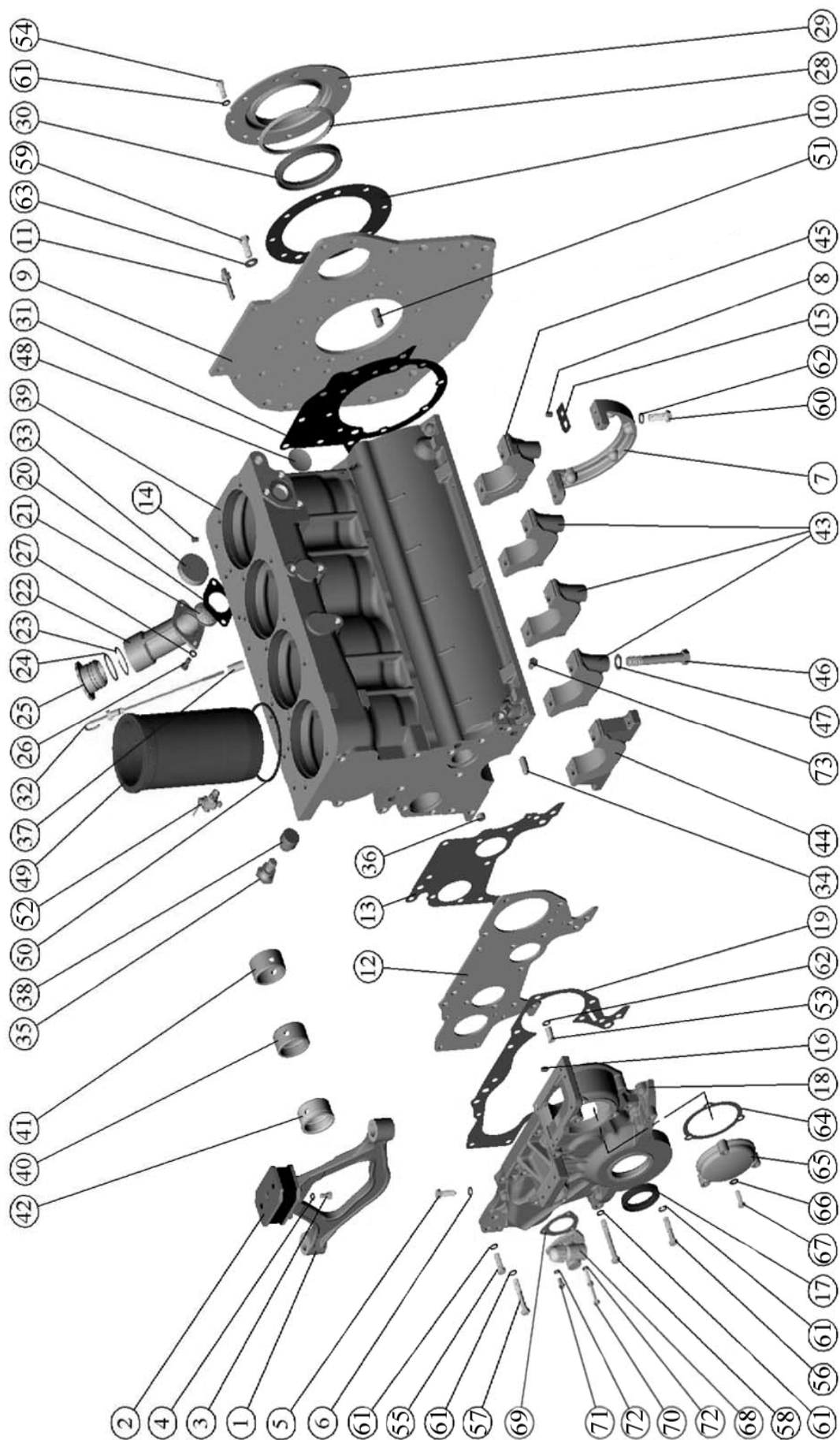


Fig. 1 Front Support Installation. Cylinder Block. Drive and Counter Installation.

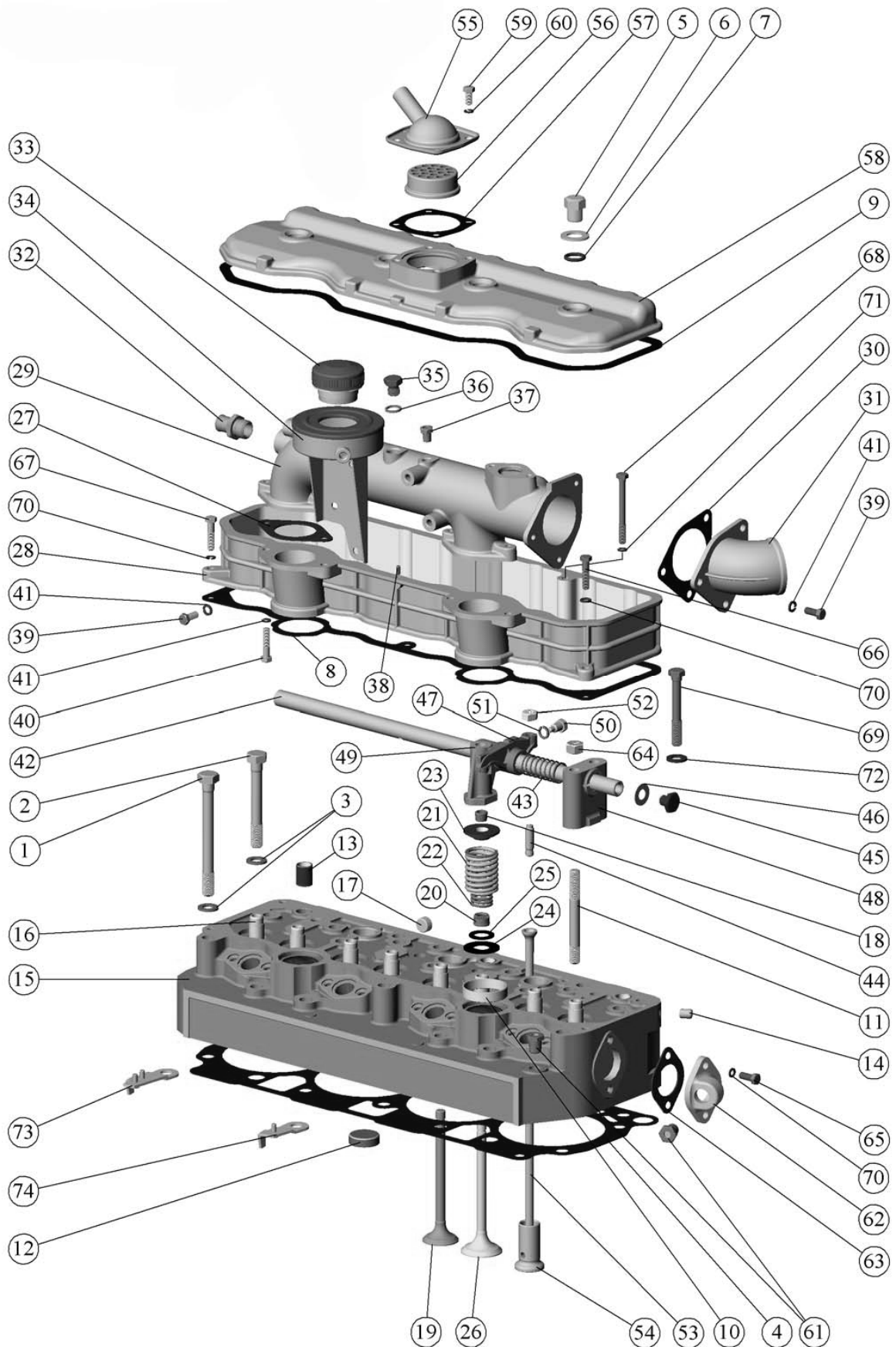


Fig. 2 Cylinder Head and Intake Line Installation.

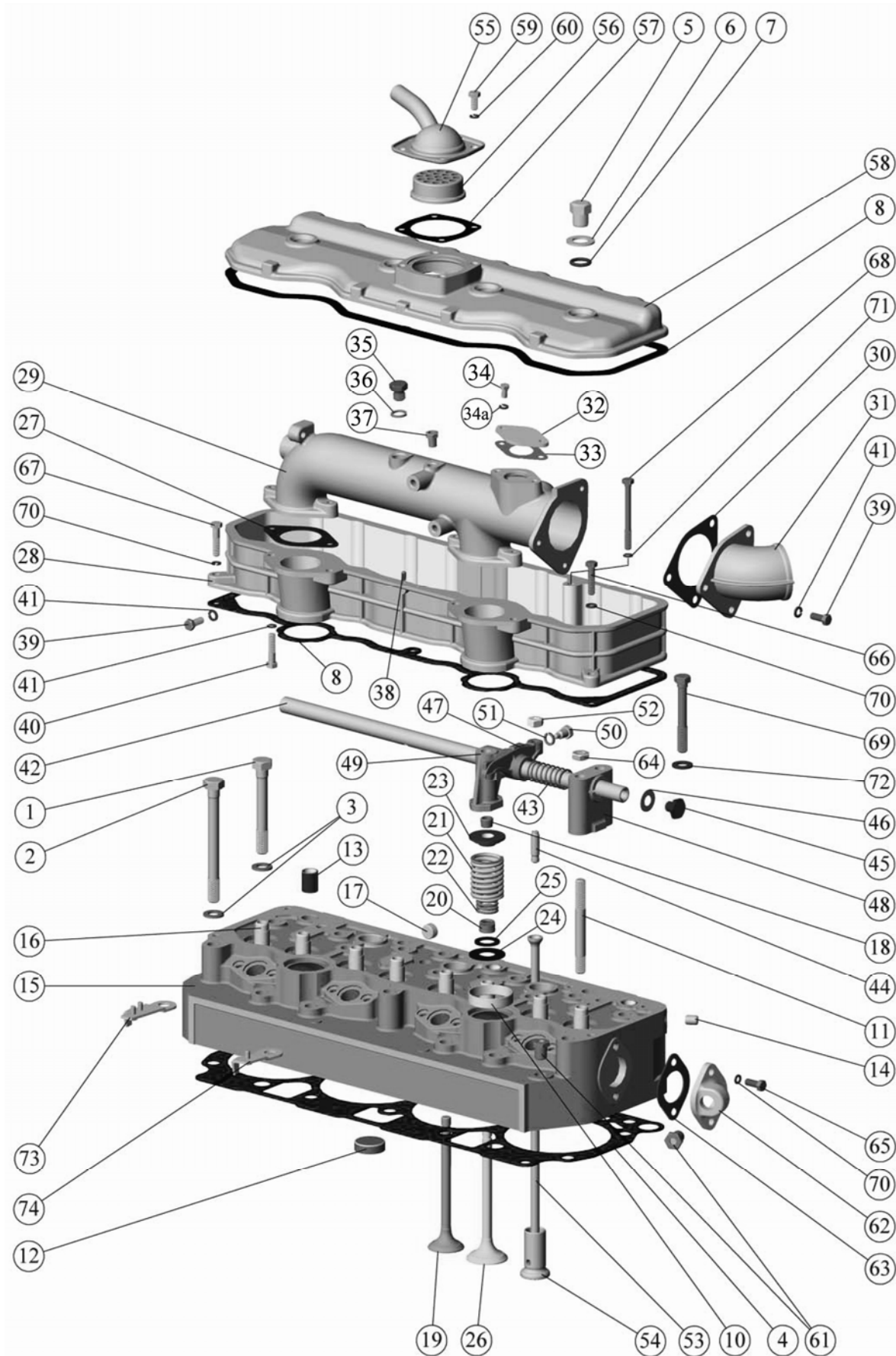


Fig. 3 Cylinder Head and Intake Line Installation.

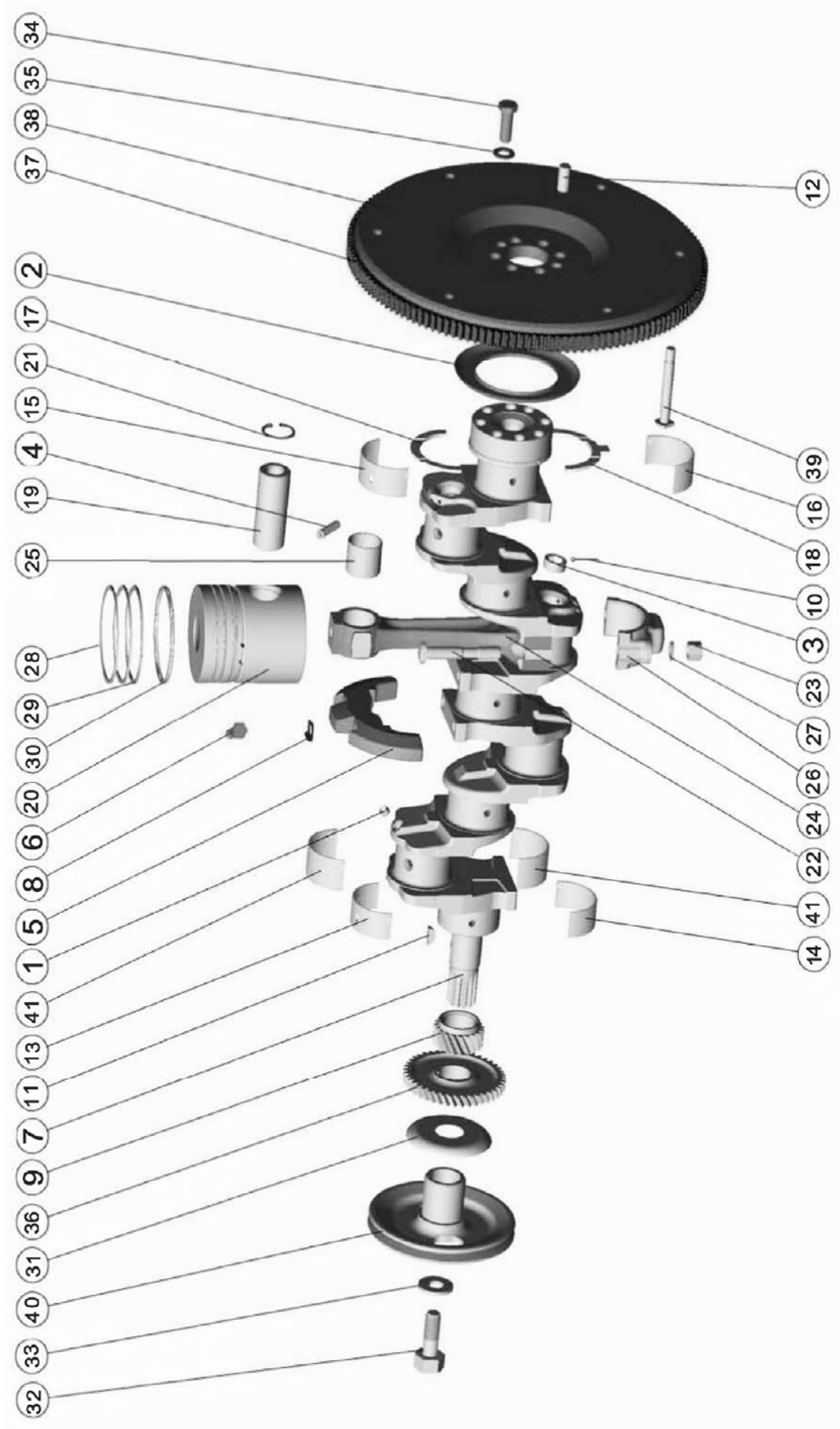


Fig. 4 Pistons and Connecting Rods. Crankshaft. Flywheel

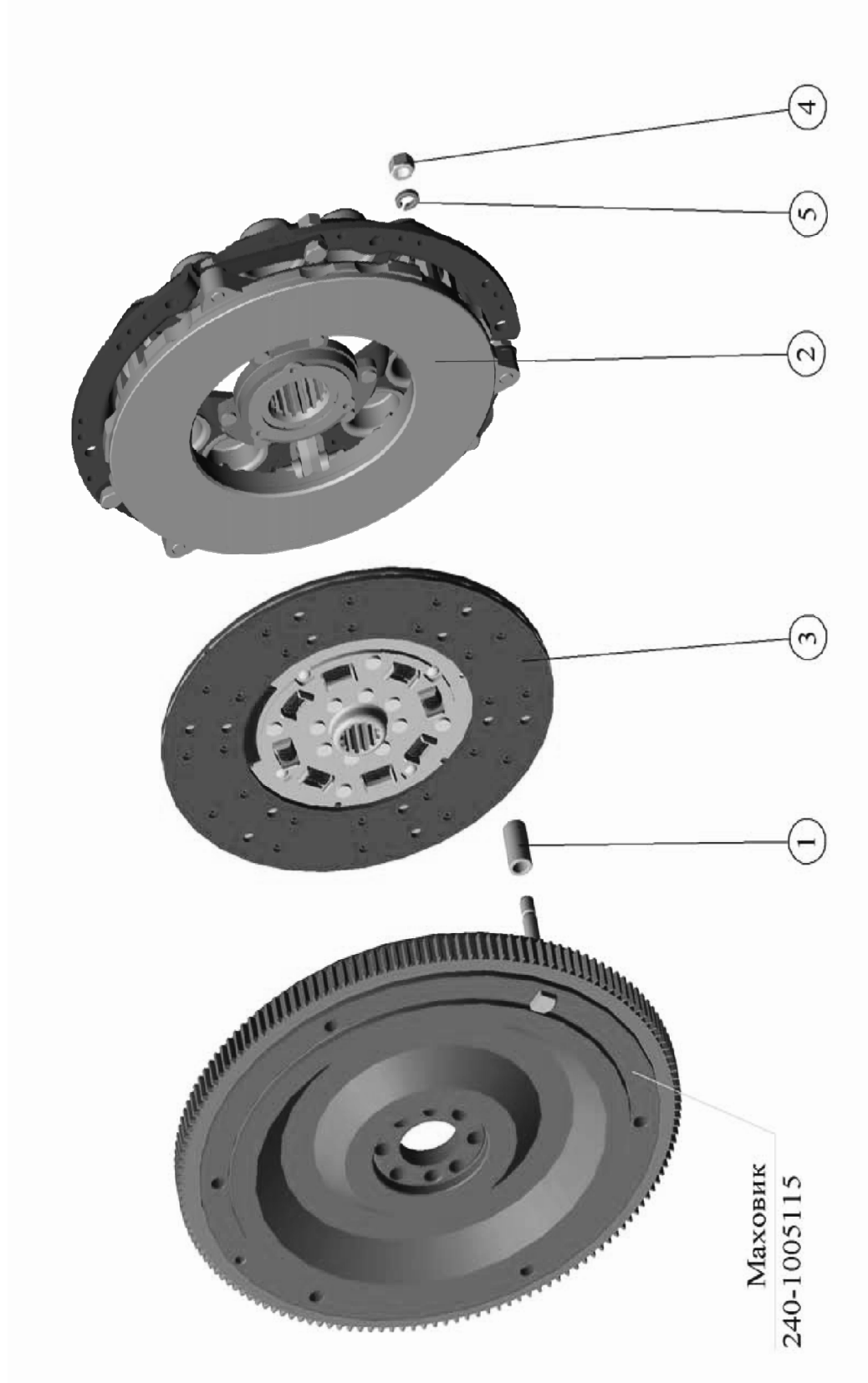


Fig. 5 Clutch Coupling Installation

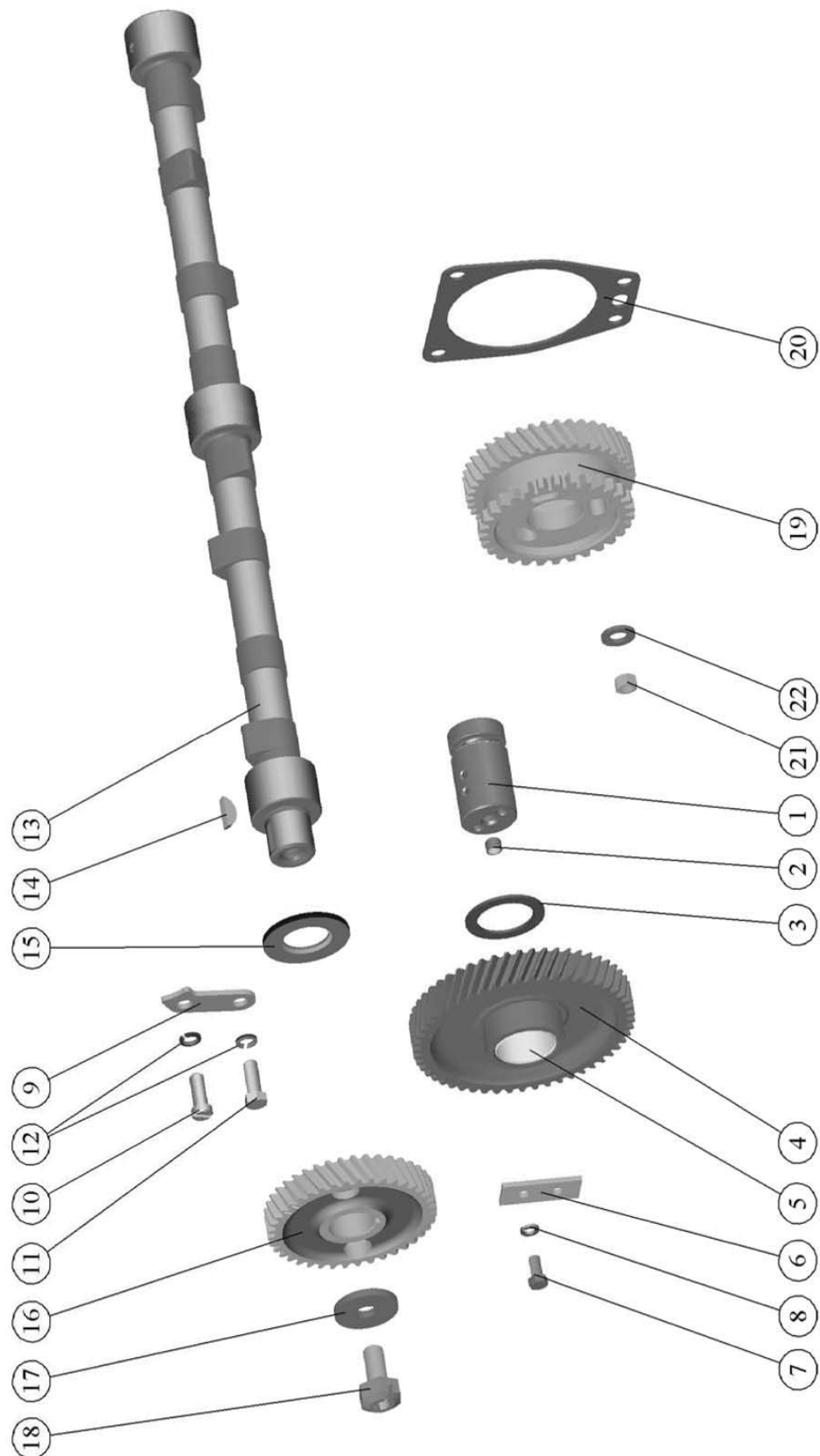


Fig. 6 Distributing Gear.

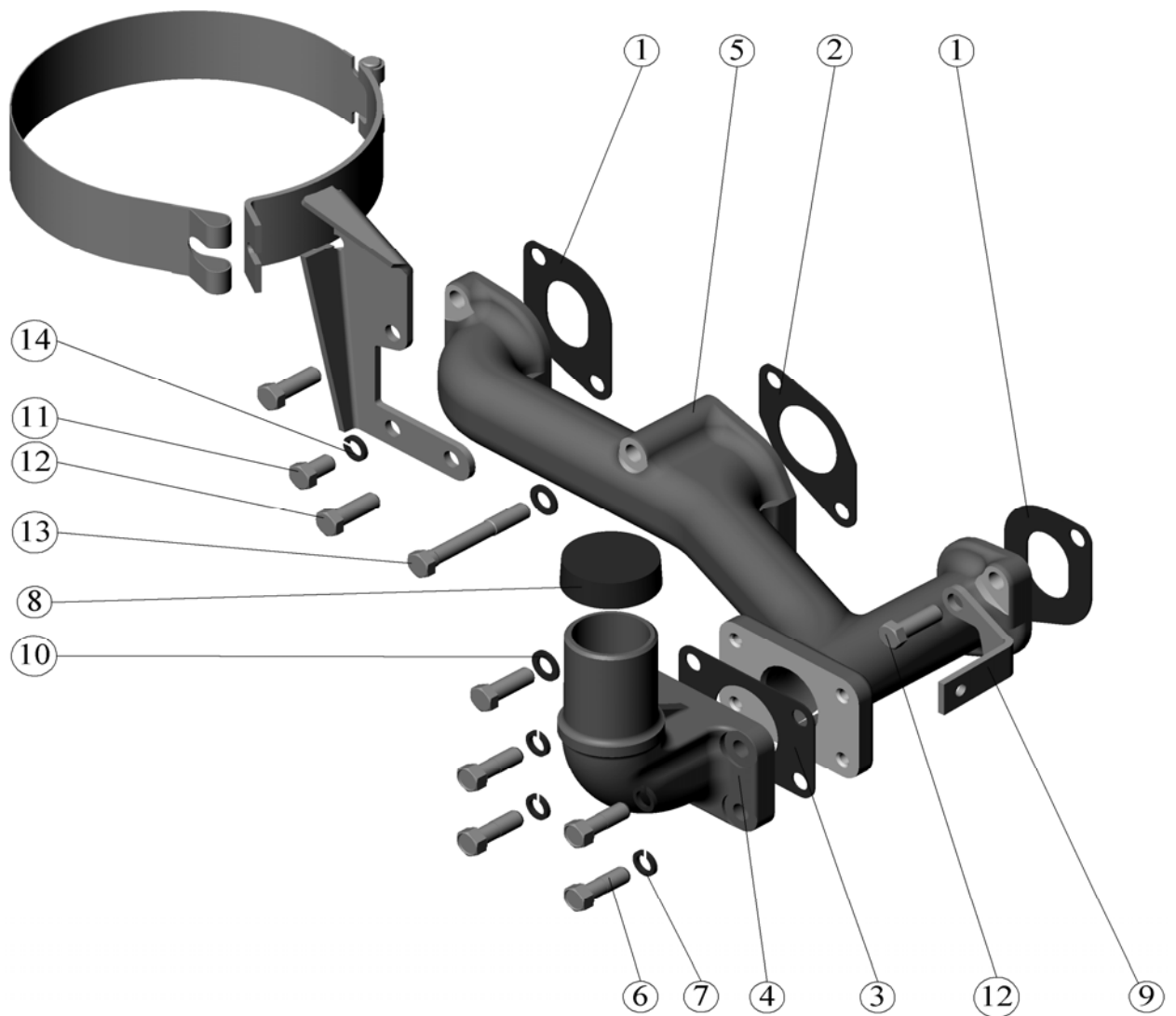


Fig. 7 Exhaust Manifold Installation



Fig. 8 Oil Crankcase Installation

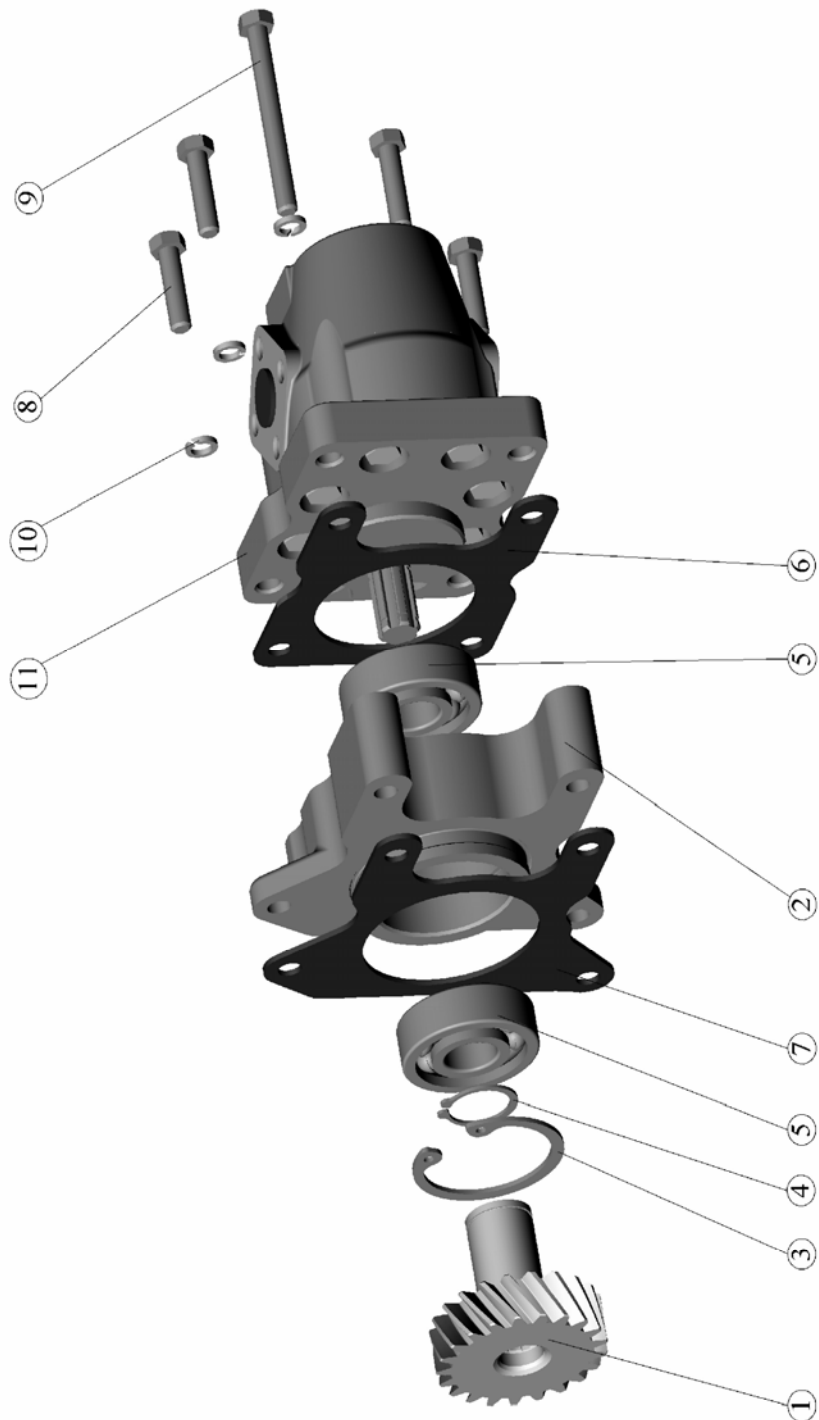


Fig. 9 Gear-Type Pump Installation.

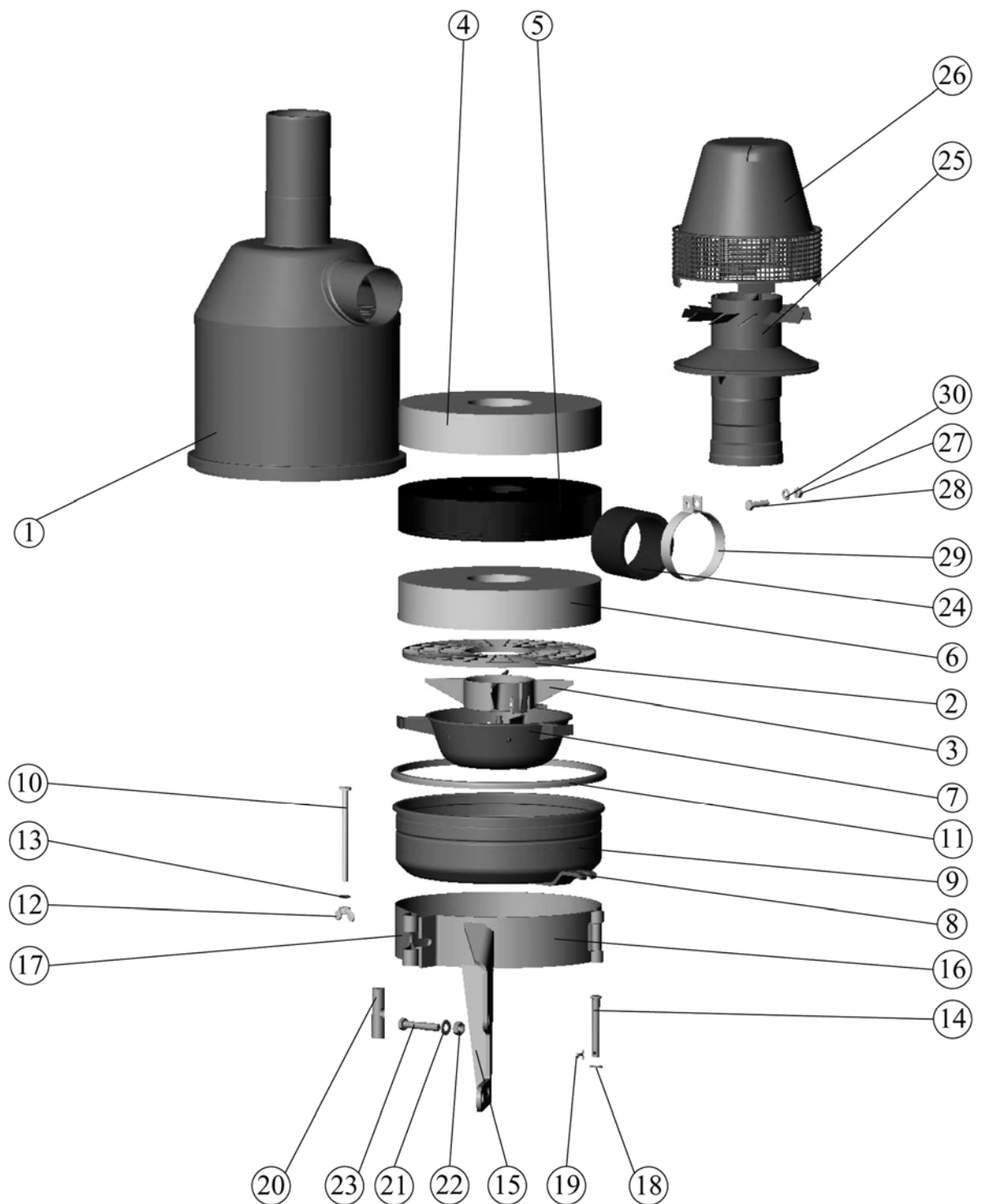


Fig. 10 Air Cleaner Installation

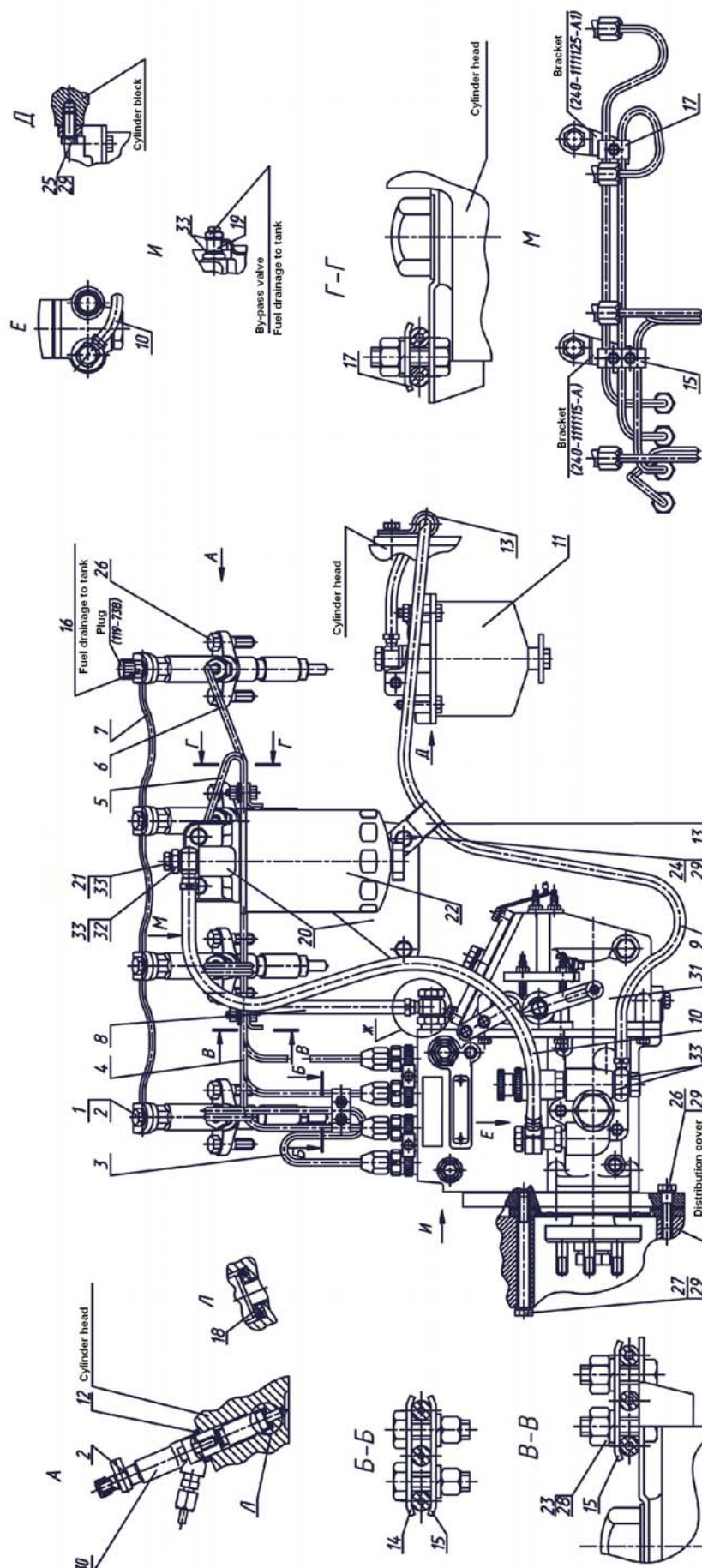


Fig. 11 Fuel Equipment Installation

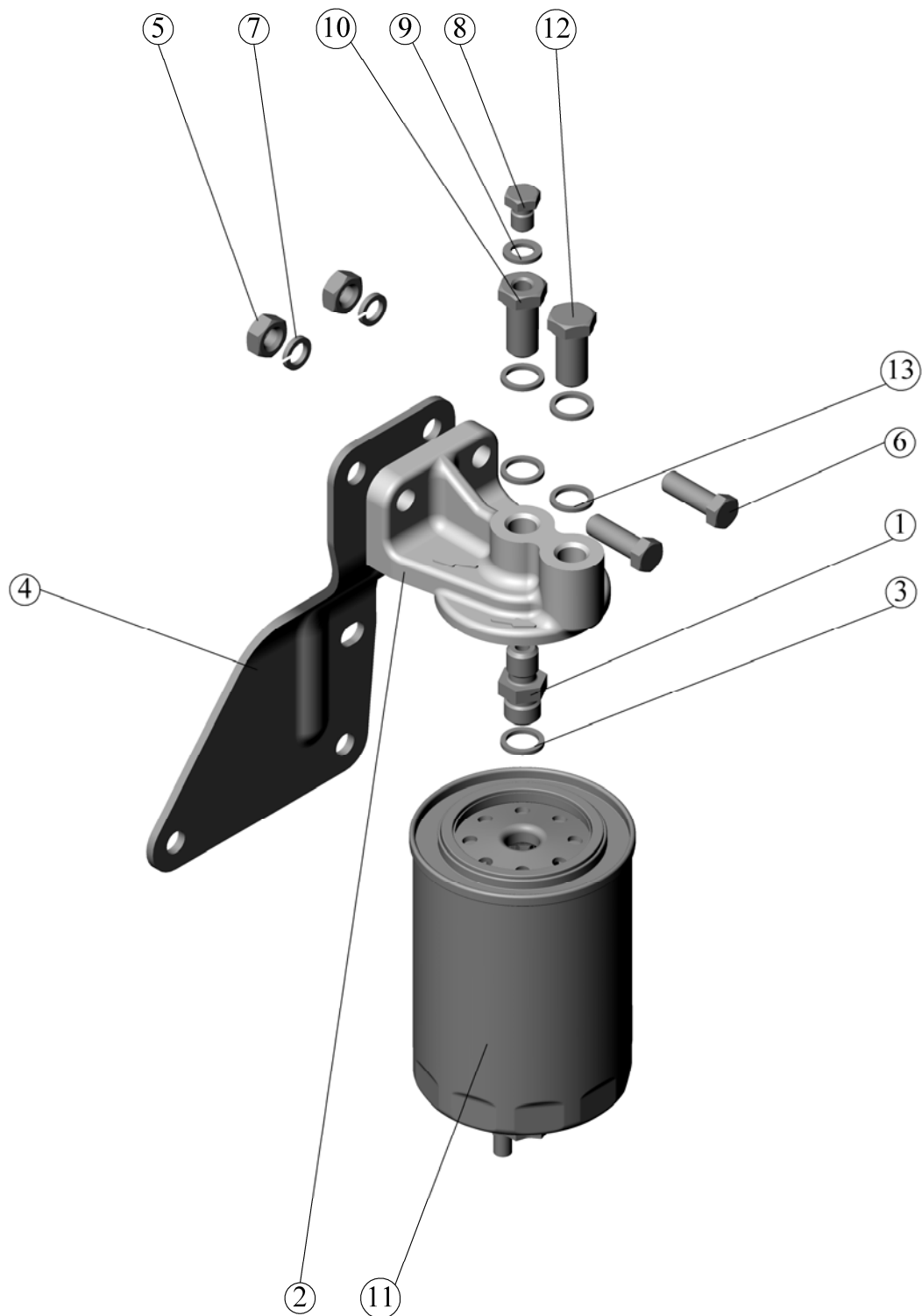


Fig. 12 Fine Fuel Filter

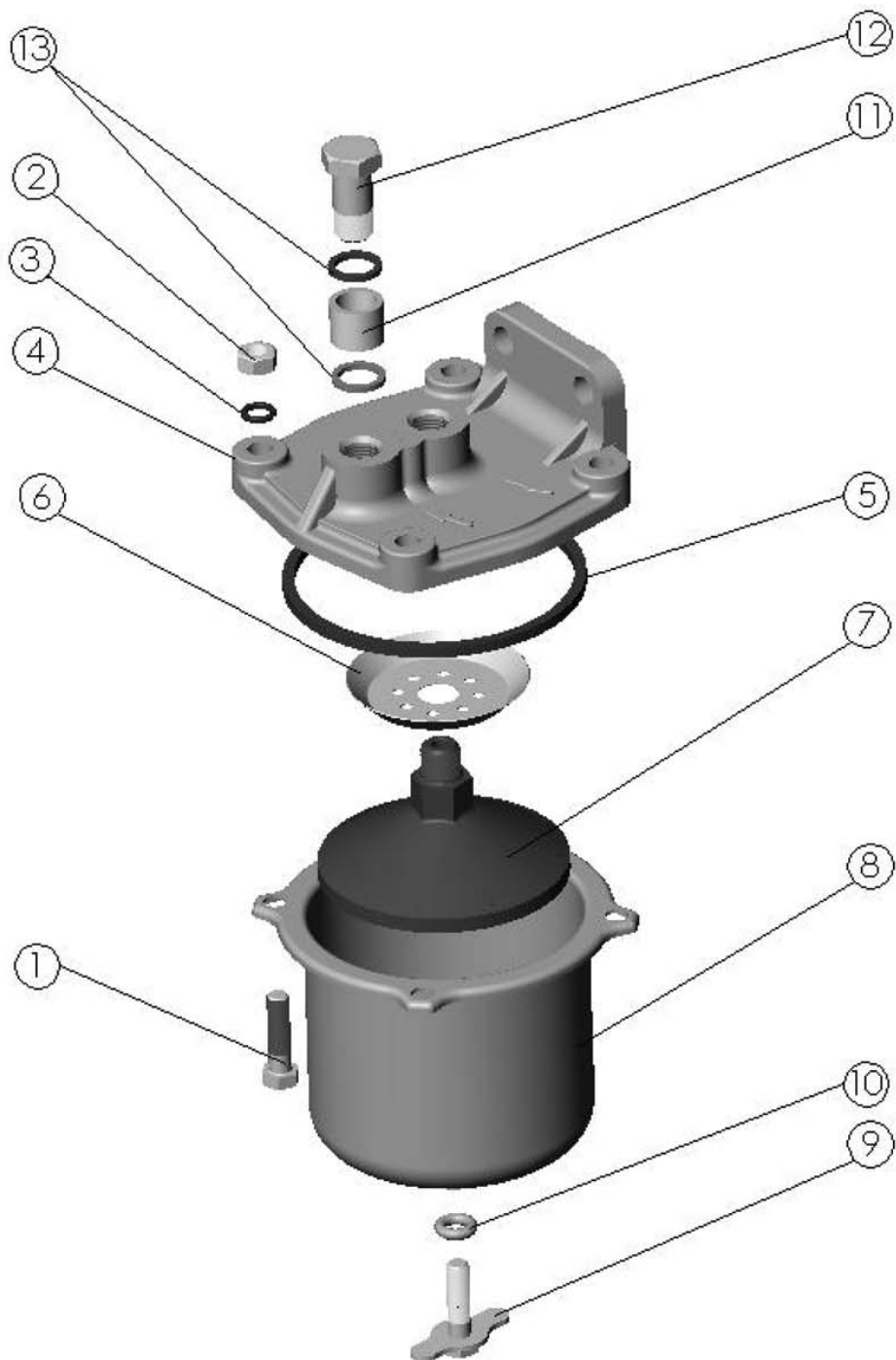


Fig. 13 Coarse Fuel Filter

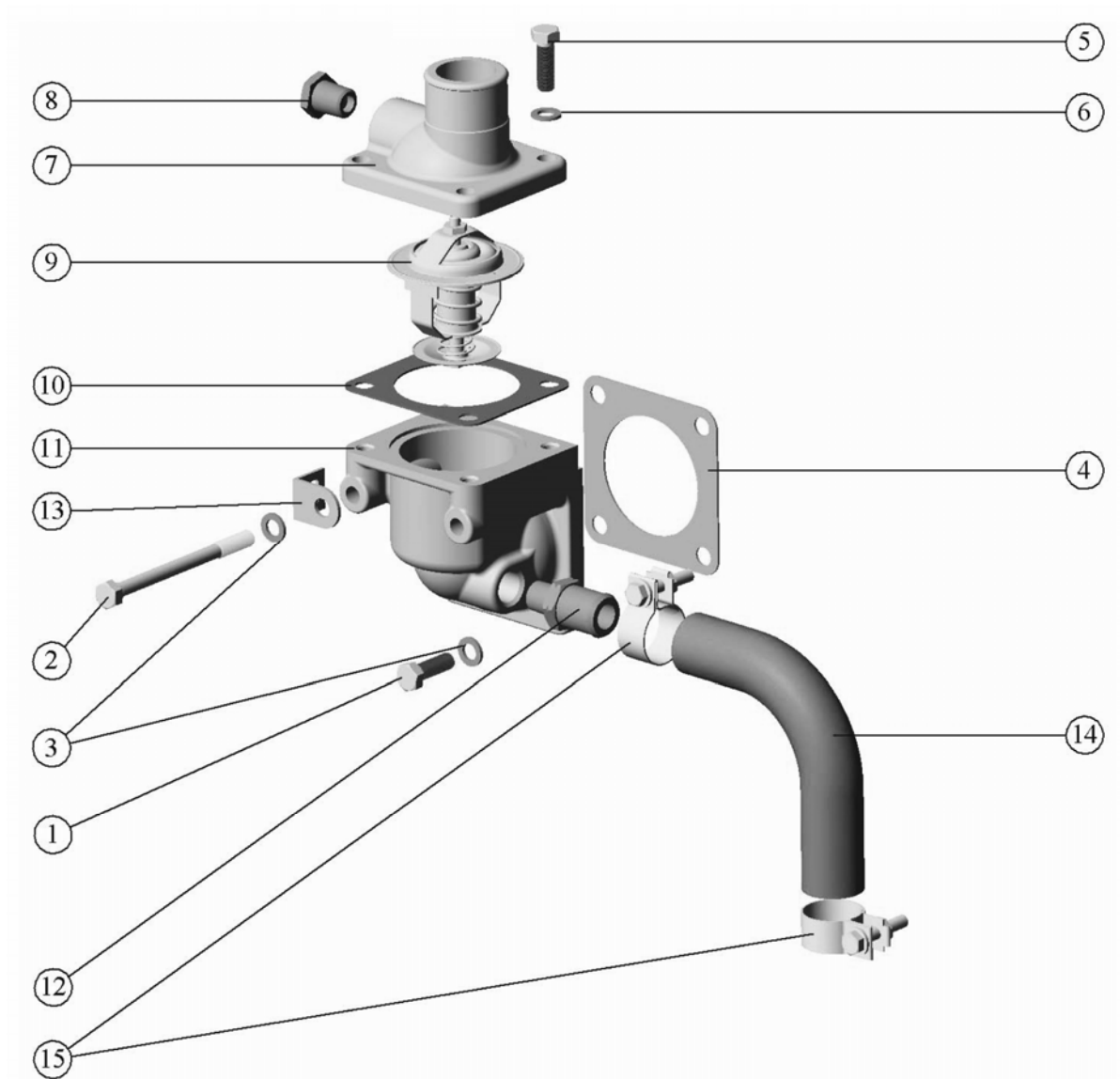


Fig. 14 Thermostat Housing Installation

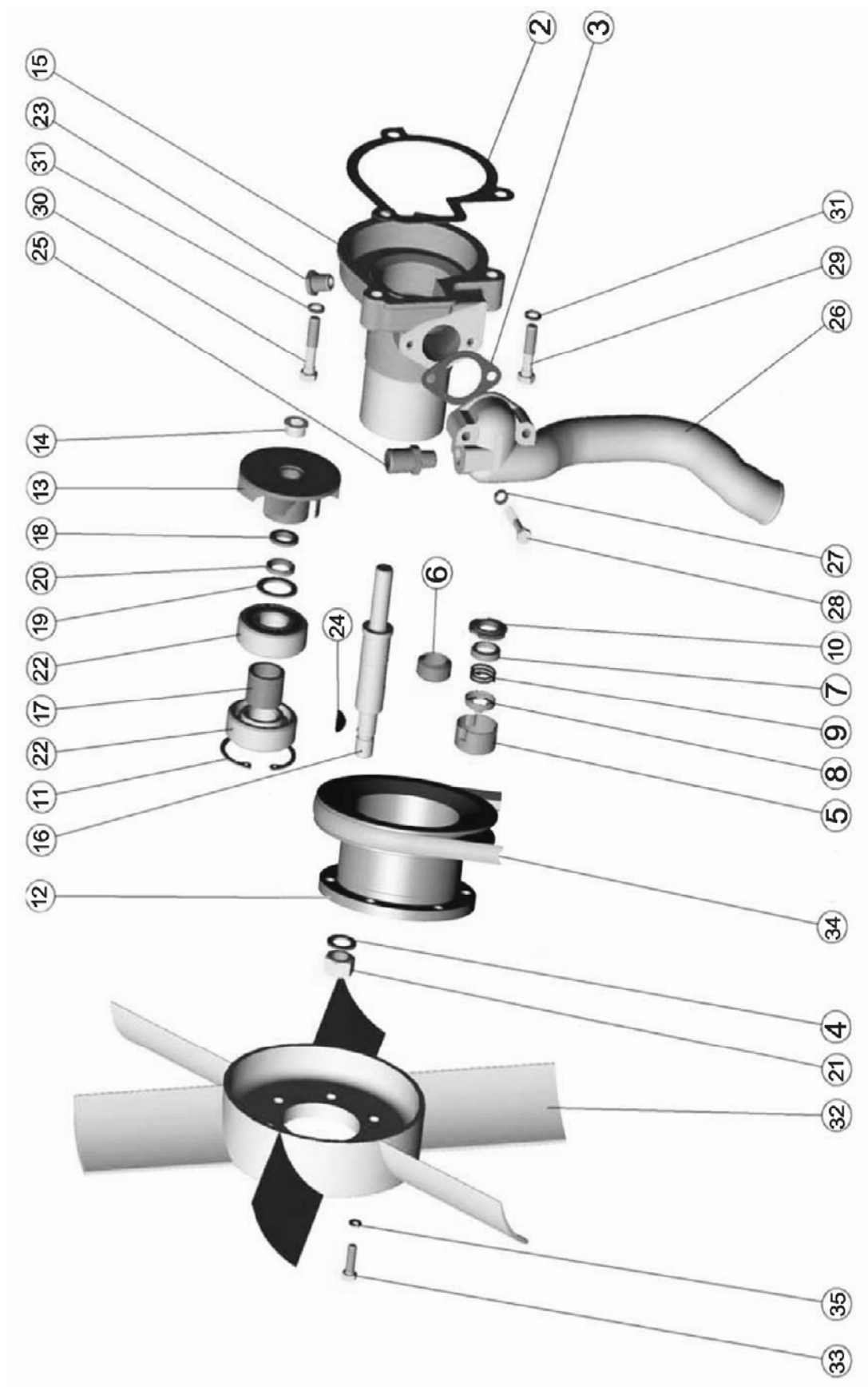


Fig. 15 Water Pump and Fan Installation

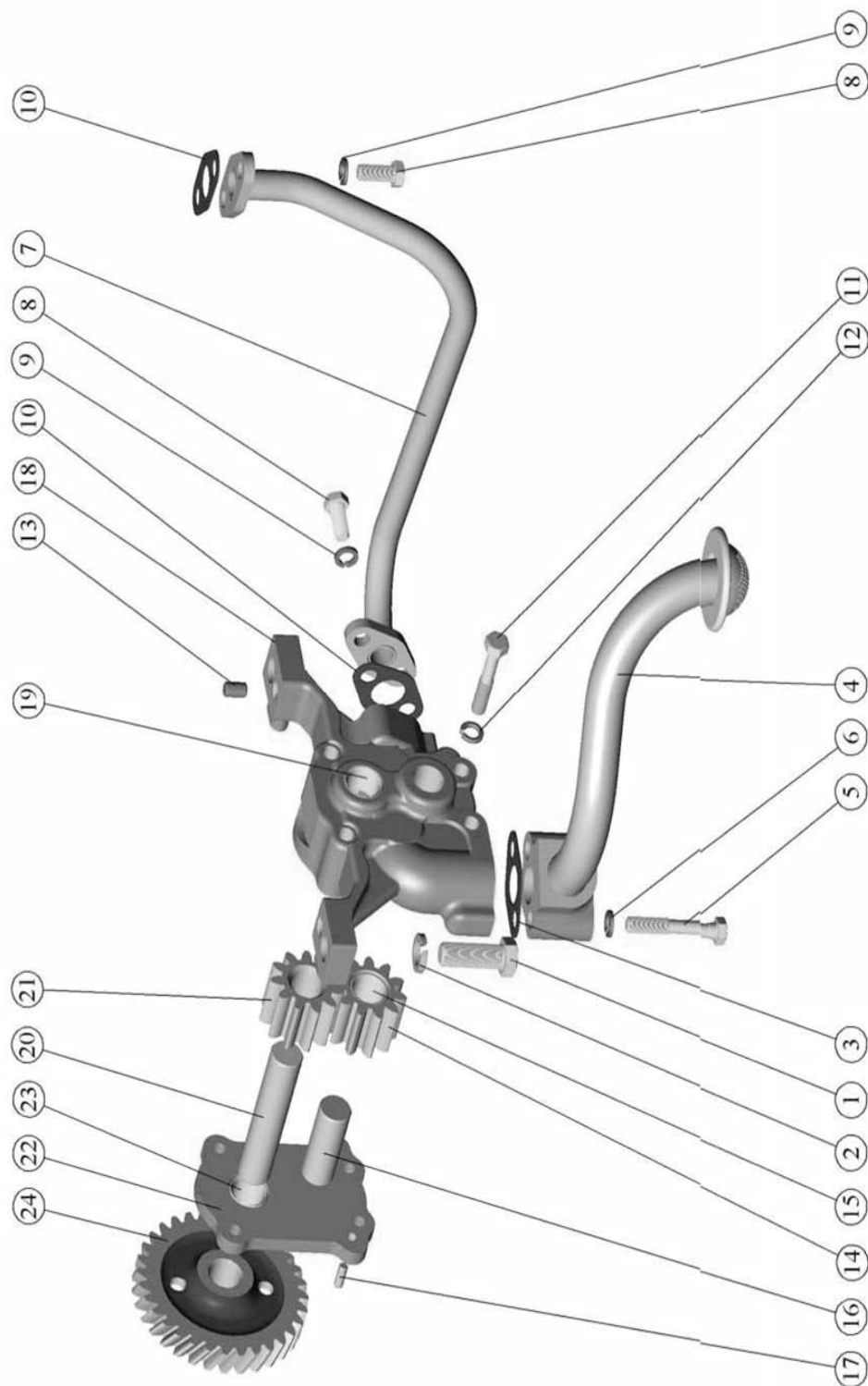


Fig. 16 Oil Pump Installation

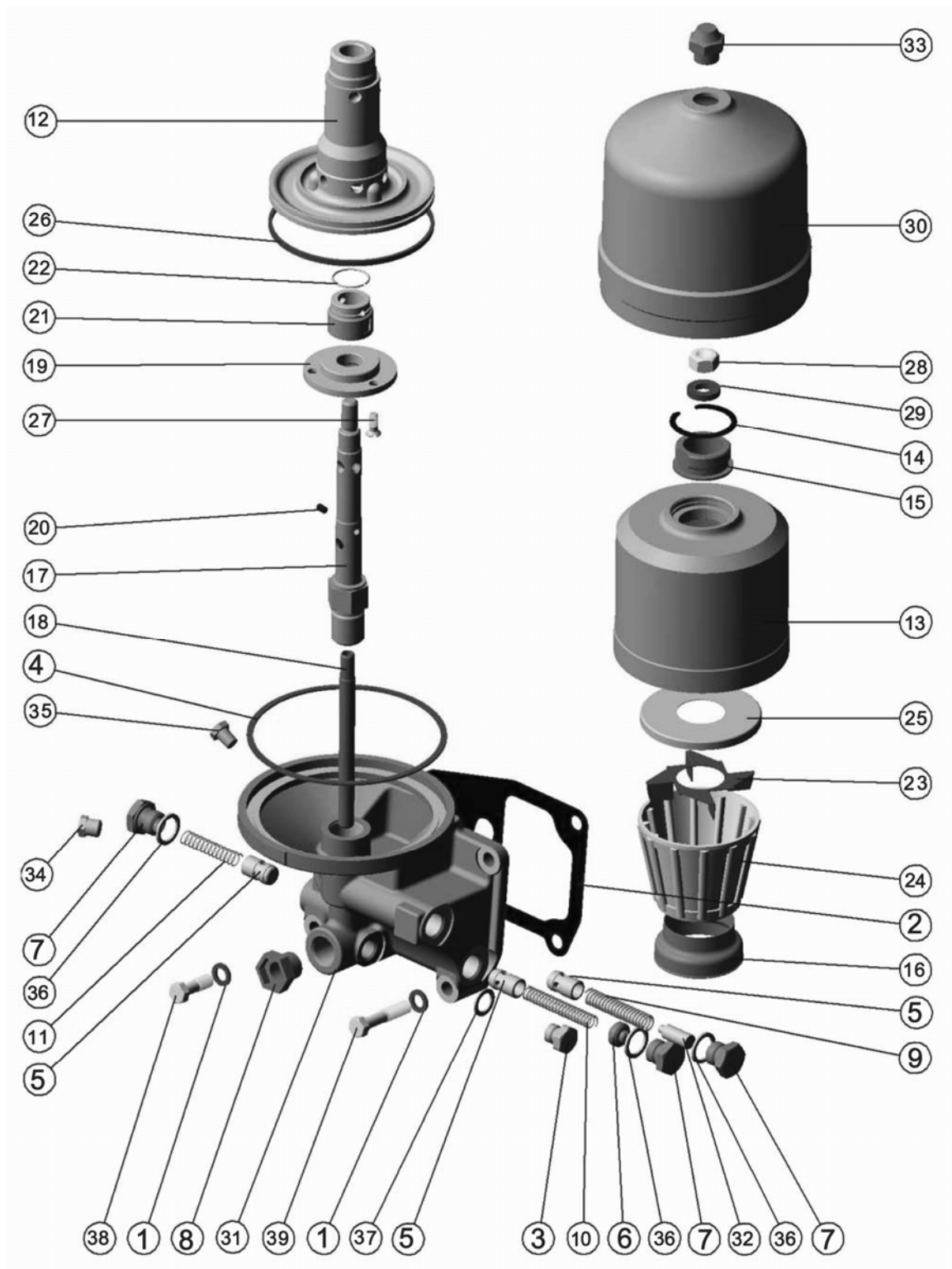


Fig. 17 Centrifugal Filter Installation

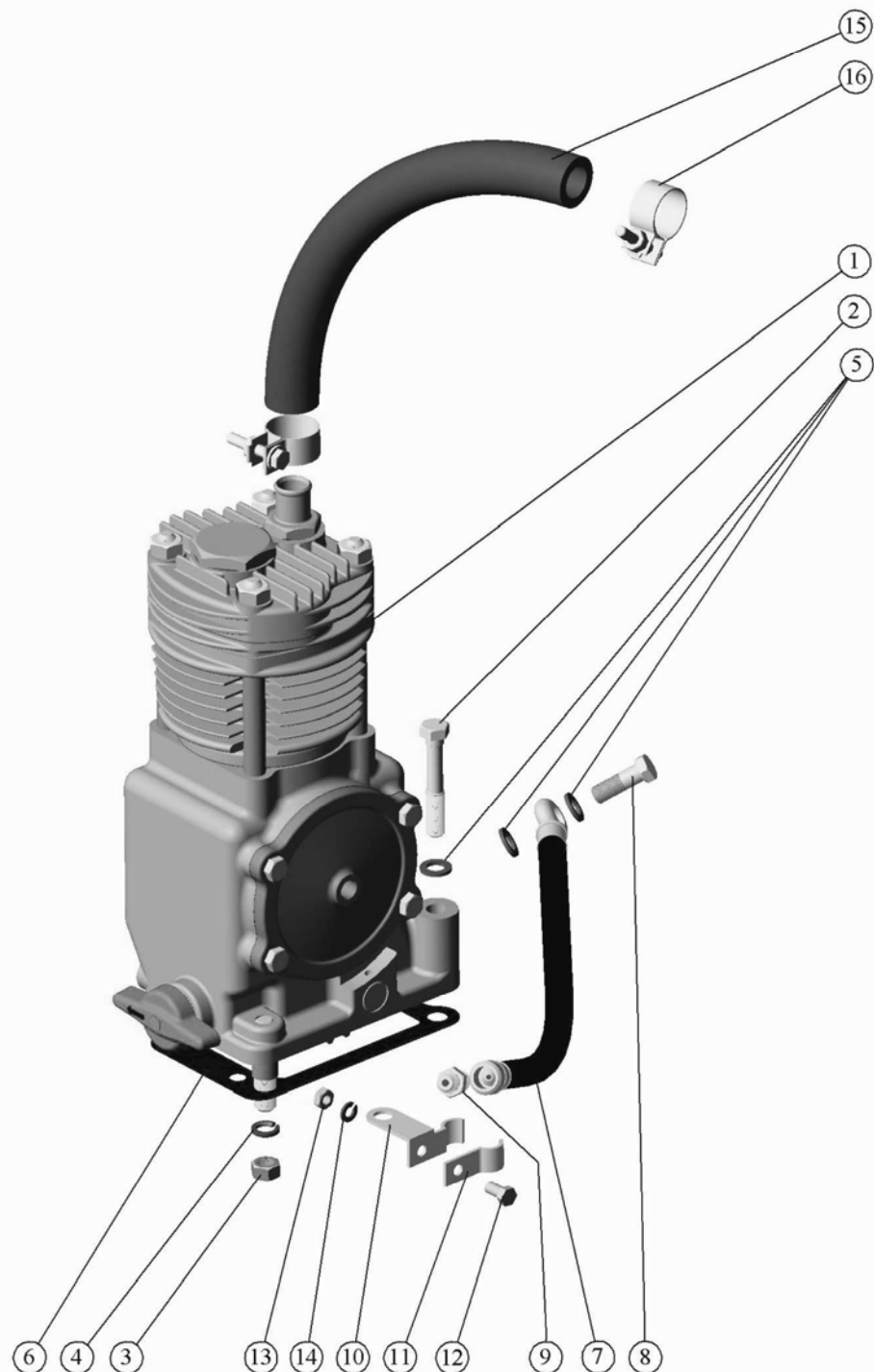


Fig. 18 Compressor Installation

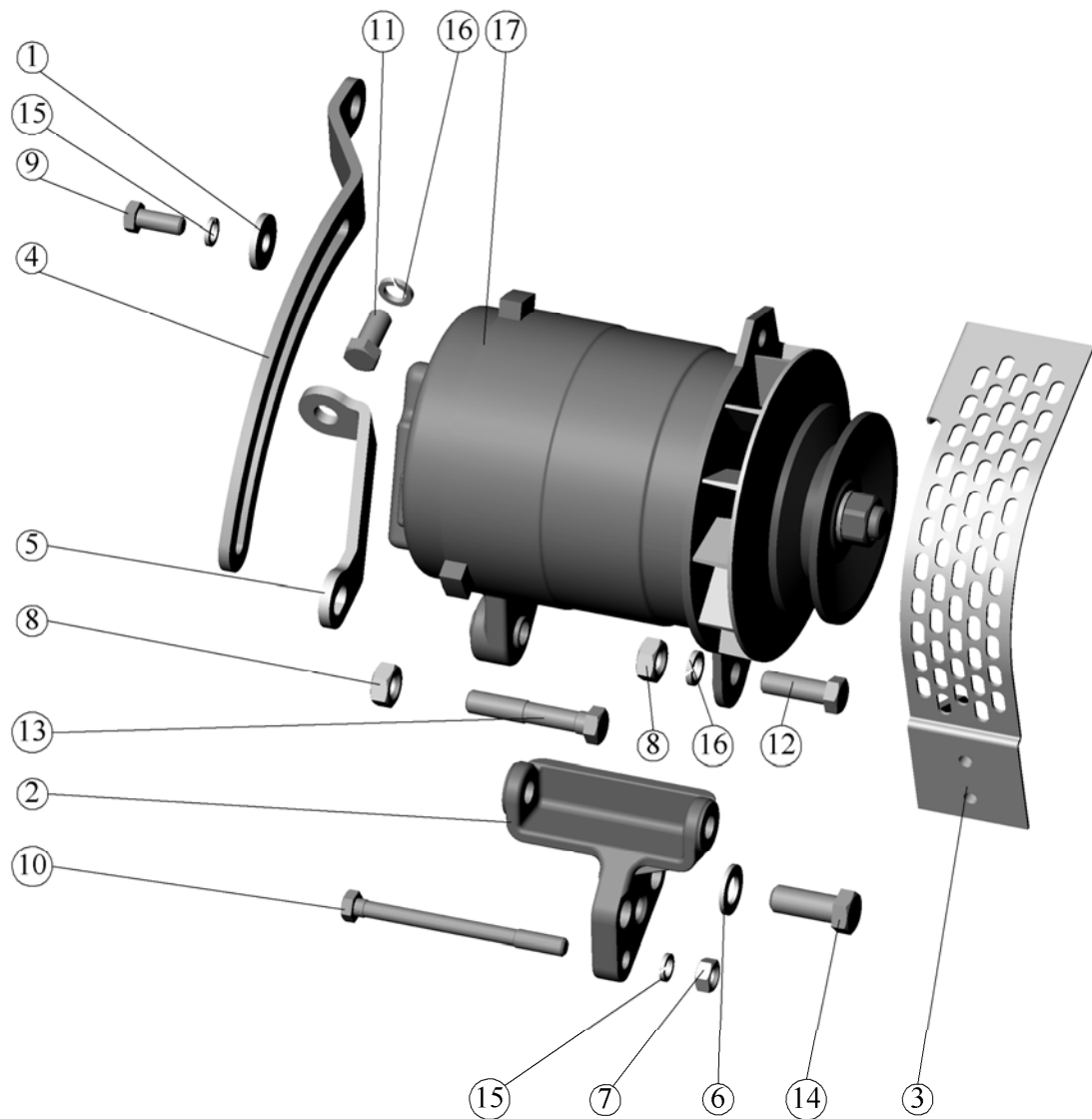


Fig. 19 Alternator Installation

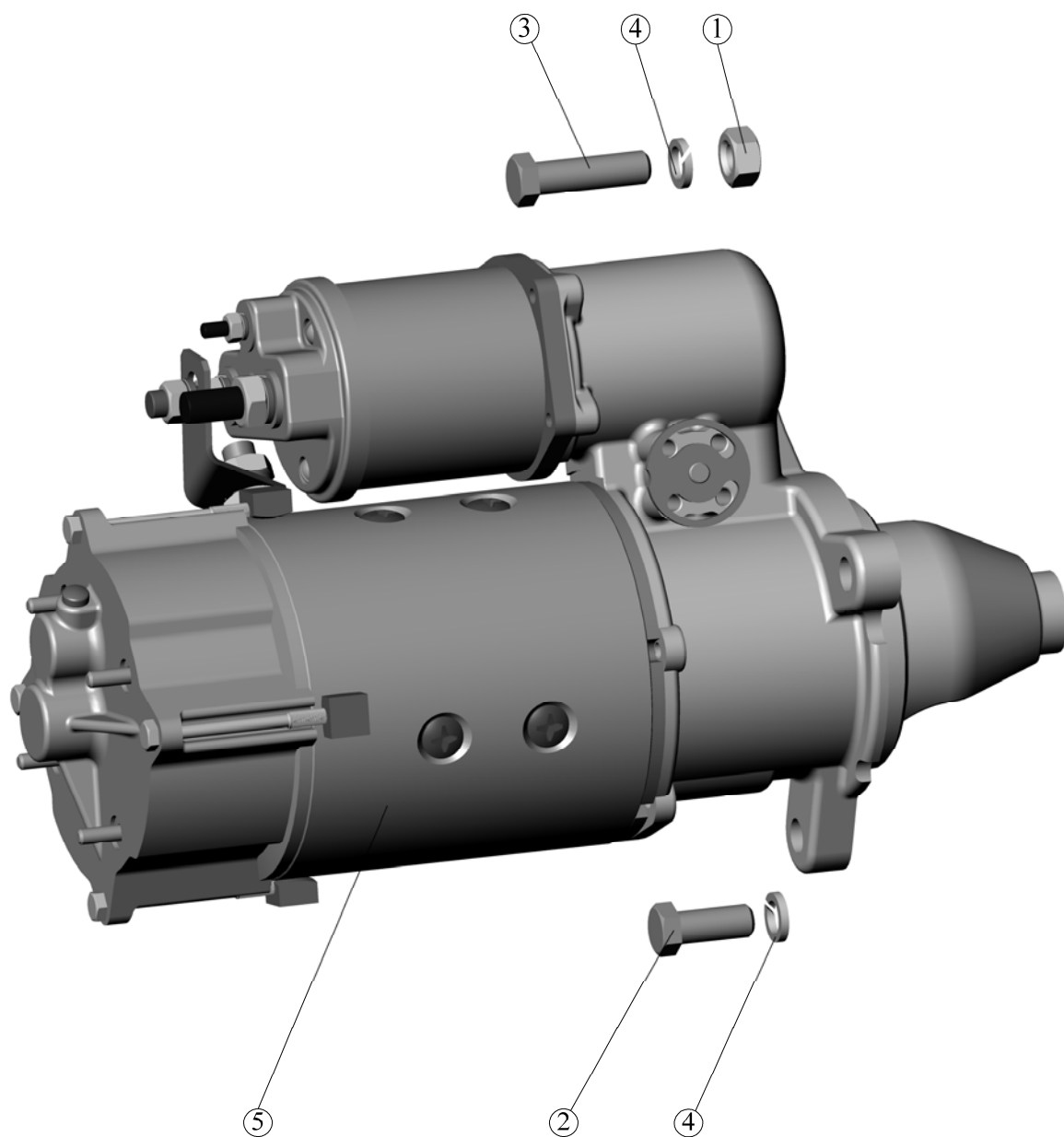


Fig. 20 Starter Installation

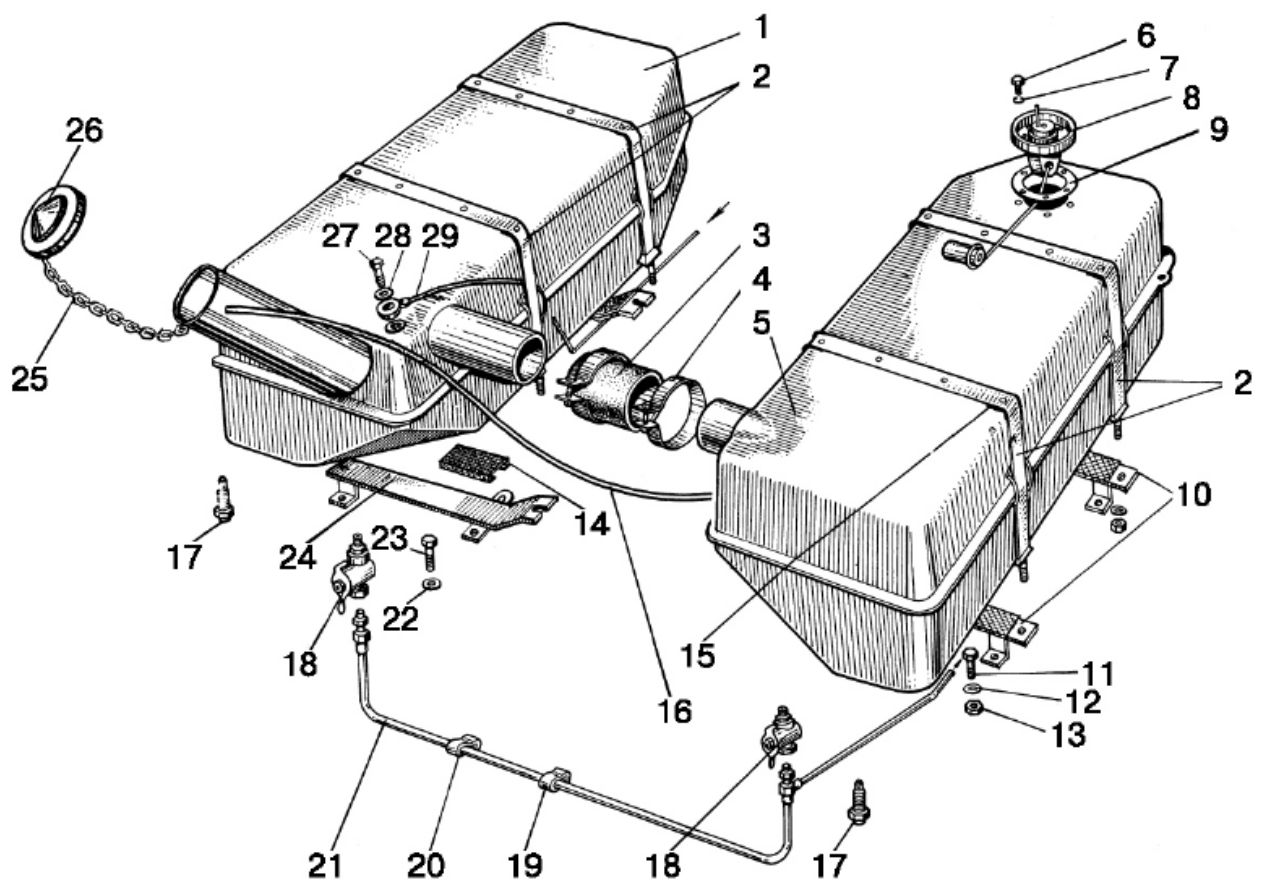


Fig. 11.1. Fuel Tank

Group 11. Feed system
Subgroup 1101. Fuel tank

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
11		70-1101005	1	Tanks
	1	70-1101020	1	Tank
		80-1101510	1	Tank (plastic)
	2	70-1101070	4	Clamp
	3	70-1101035-B	1	Sleeve
	4	HS-66	2	Clamp
	5	70-1101010	1	Tank
		80-1101520	1	Plastic tank
	6	VM 5x16	5	Screw
	7	80-1101067	5	Washer
	8	DUMP-21M	1	Fuel gauge
	9	200-3806026	1	Lining
	10	80-1101250-B	2	Right arm
	11	M10x25	12	Bolt
	12	ShP 10	12	Washer
	13	M10	12	Nut
	14	80-1101012-B	8	Lining
	15	PR-36-01	8	Lining
	16	85-1101002-02	1	Tube
		80-8101015-02	1	Hose (for variant with plastic tank)
	17	822- 1101081	2	Union
		822- 1101081	1	Union (for variant with plastic tank)
		11,113-100	1	Ball
	18	KR-25	2	Crane
	19	70-1101042	2	Bracket
	20	50-1111102-01	2	Lining
	21	70-1101345-B1	1	Pipeline
	22	ShP 12	8	Washer
	23	M12x30	8	Bolt
	24	80-1101280-B	2	Left arm
	25	36-1101070	1	Chain
	26	082-1103010	1	Plug
	27	36-1104787	1	Bolt
	28	36-1104788	2	Lining
	29	70-1104180	1	Pipeline

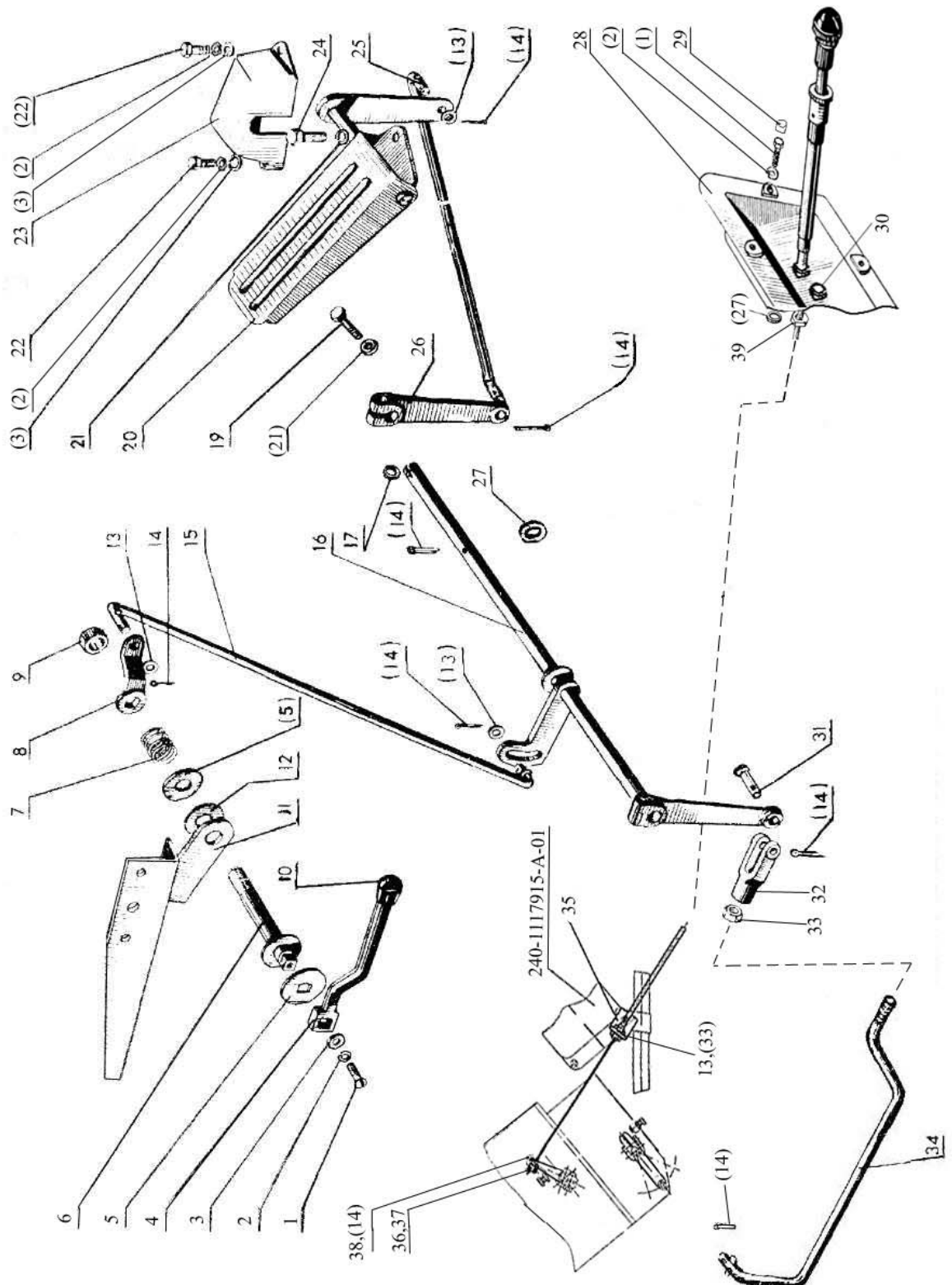


Fig. 11.2. Fuel Supply Control

Group 11. Feed system
Subgroup 1108. Fuel supply control

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
11.2		70-1108005-B1	1	Fuel supply control
	1	M6x12	3	Bolt
	2	ShP6	5	Washer
	3	ShCh6	3	Washer
	4	70-1108271	1	Handle
	5	50-1108148	2	Washer
	6	70-1108260	1	Roller
	7	A20-245-B	1	Spring
	8	50-1108146	1	Lever
	9	M14x1,5	1	Nut
	10	70-3401093	1	End
	11	70-1108250	1	Arm
	12	70-1108178	1	Washer
	13	ShCh8	6	Washer
	14	3,2x18	7	Split
	15	70-1108167-B1	1	Drawbar
	16	70-1108230	1	Roller
	17	50-1108044	1	Seal
	19	M8x25	1	Bolt
	20	70-1108220	1	Pedal
	21	ShP8	3	Washer
	22	M6x16	2	Bolt
	23	70-1108244	1	Case
	24	M8x20	2	Bolt
	25	70-1108063	1	Drawbar
	26	70H-1108043	1	Lever
	27	ShCh12	2	Washer
	28	70-1115020	1	Blind control
	29	A30.04.017	2	Cover
	30	70-3723023	1	Bush
	31	8x30	1	Pin
	32	A20.213-A	1	Fork
	33	M8	3	Nut
	34	70-1108116	1	Drawbar
	35	80-1108026	1	Arm
	36	70-1310441	1	Clip
	37	M4x10	1	Screw
	38	80-1108317	1	Clamp
	39	M12x1,25	1	Nut

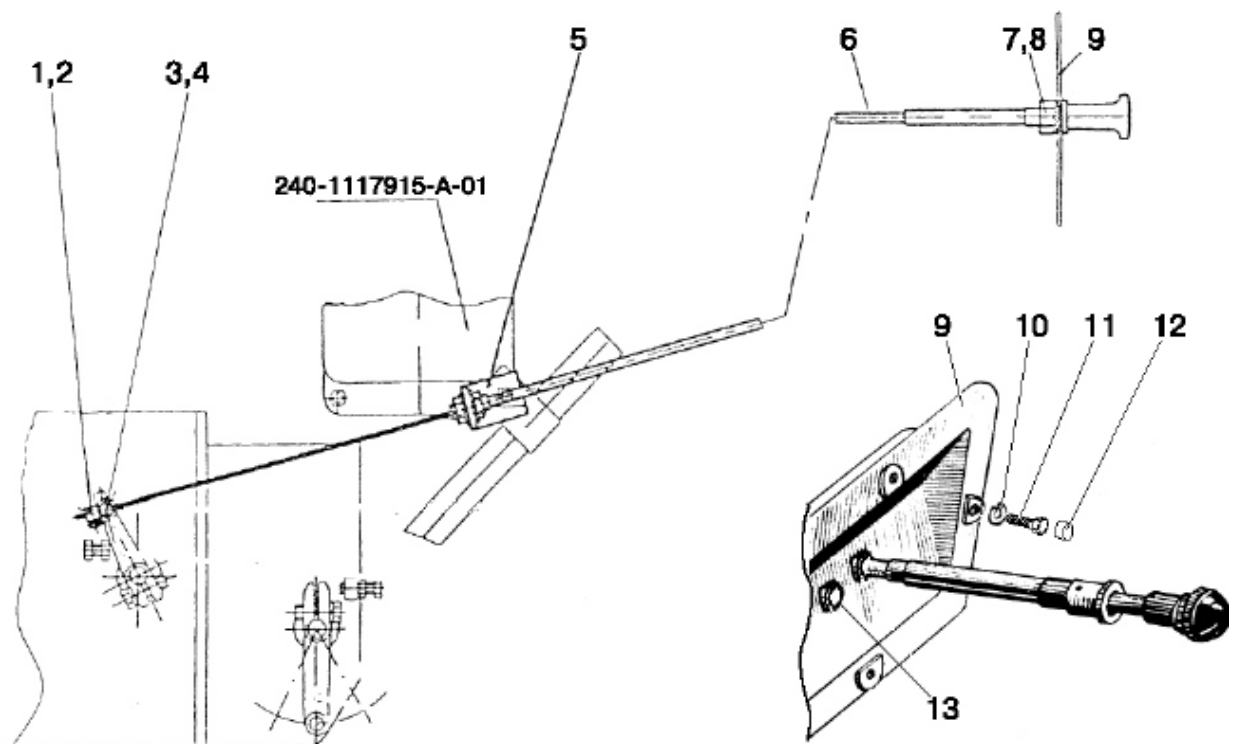


Fig. 11.3. Diesel Stop. Emergency Diesel Stop

Group 11. Feed system
Subgroup 1115. Diesel stop. Emergency diesel stop

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
11.3	1	70-1310441	1	Clip
	2	VM4x10	1	Screw
	3	80-1108317	1	Clamp
	4	3,2x18	1	Splint
	5	80-1108126	1	Arm
	6	80-1108630-A	1	Cable
	7	M12x1,25	1	Nut
	8	ShCh 12	1	Washer
	9	80-1024211	1	Blind
	10	ShP 6	2	Washer
	11	VM6x12	2	Bolt
	12	A30.04.017	2	Cap
	13	70-3723023	2	Bush

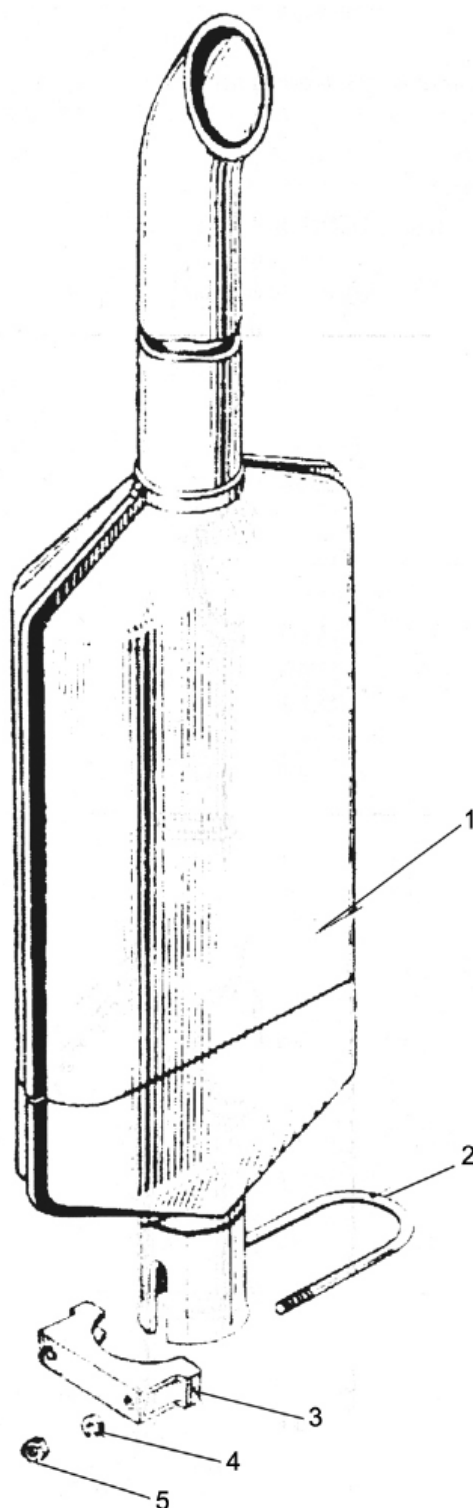


Fig. 12.1. Muffler

Group 12. Exhaust system
Subgroup 1205. Muffler

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
12.1	1	60-1205015-01	1	Muffler
	2	60-1205101	1	Bracket
	3	60-1205103	1	Clip
	4	ShCh10	2	Washer
	5	80-1205136	2	Nut

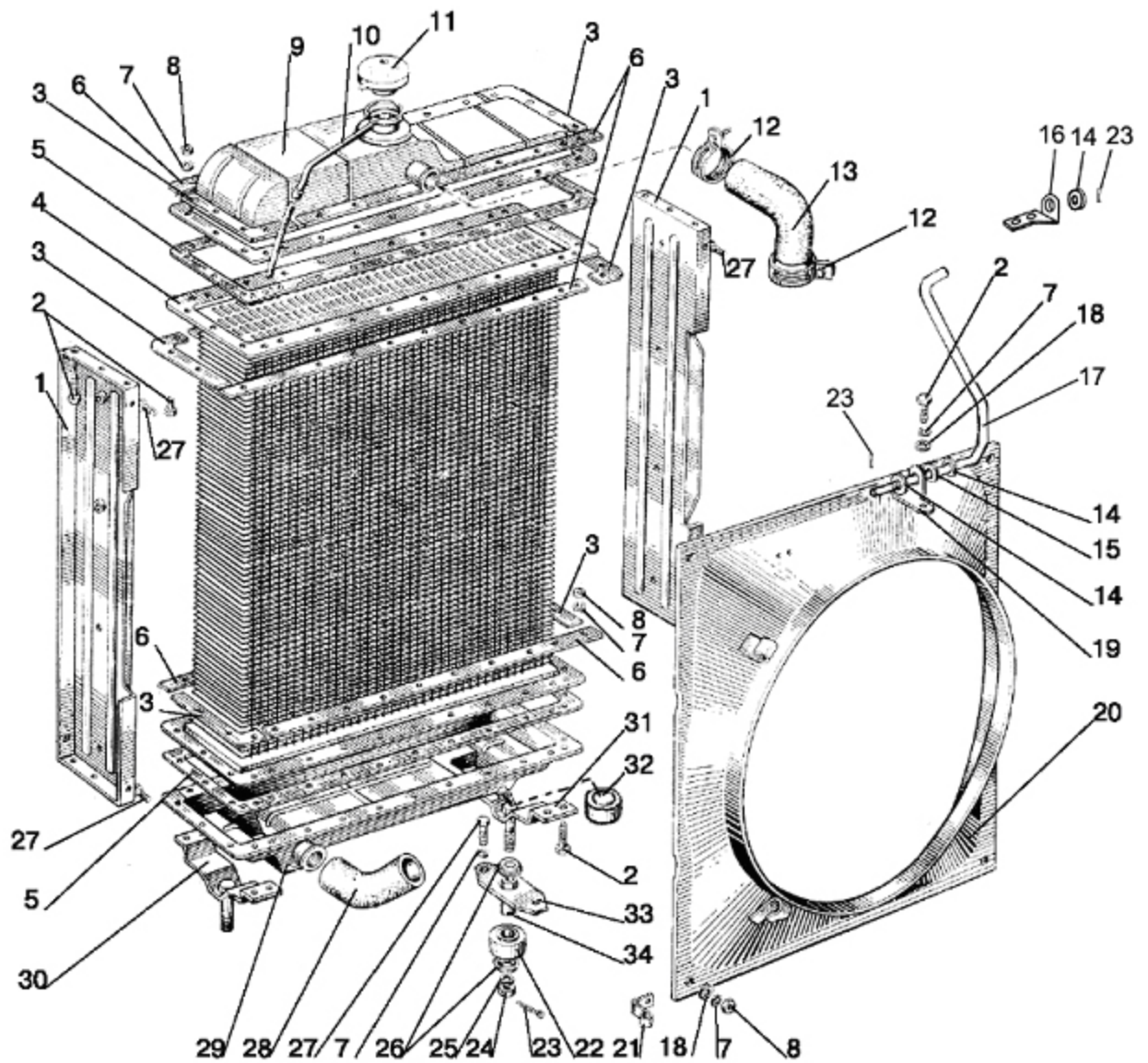


Fig. 13.1. Water Radiator. Water Radiator Suspension

Group 13. Cooling system
Subgroup 1301, 1302. Water radiator. Water radiator suspension

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
13.1		70U.13.01.010-01	1	Water radiator (1-11, 22-26, 29-31, 33, 34)
	1	70U.13.01.126-1	2	Radiator rack
	2	M8x25	56	Bolt
	3	70U.13.01.255	8	Angular overlay
	4	70U.13.01.020	1	Radiator core
	5	70U.13.01.169	2	Lining
	6	70U.13.01.256	8	Overlay
	7	ShP 8	64	Washer
	8	M8	64	Nut
	9	70U-1301055-A7	1	Top tank
	10	70-1301158	1	Pipe of vapor deliver
	11	A21.01.270	1	Cover (type 1)
	12	HS-46	4	Clip
	13	70-1303001	1	Hose
	14	ShCh 8	4	Washer
	15	85-1302071	2	Shock absorber
	16	1520-1302072	1	Arm
	17	90-1302003-A	1	Extension
	18	ShCh 8	4	Washer
	19	80-1302012-A	1	Arm
	20	70-1309080	1	Casing
	21	48-1104016	1	Clip
	22	70U.13.02.018	2	Shock absorber
	23	3,2x18	2	Splint
	24	M12	2	Nut
	25	ShP 12	4	Washer
	26	ShCh 12	4	Washer
	27	M8x16	8	Bolt
	28	50-1303062-B2	1	Hose
	29	70U.13.01.075	1	Bottom tank
	30	70U.13.01.190	1	Left support
	31	70U.13.01.180	1	Right support
	32	KG 1/4"	1	Plug
	33	70U.13.02.016	2	Planck
	34	70U.13.02.015	2	Bush

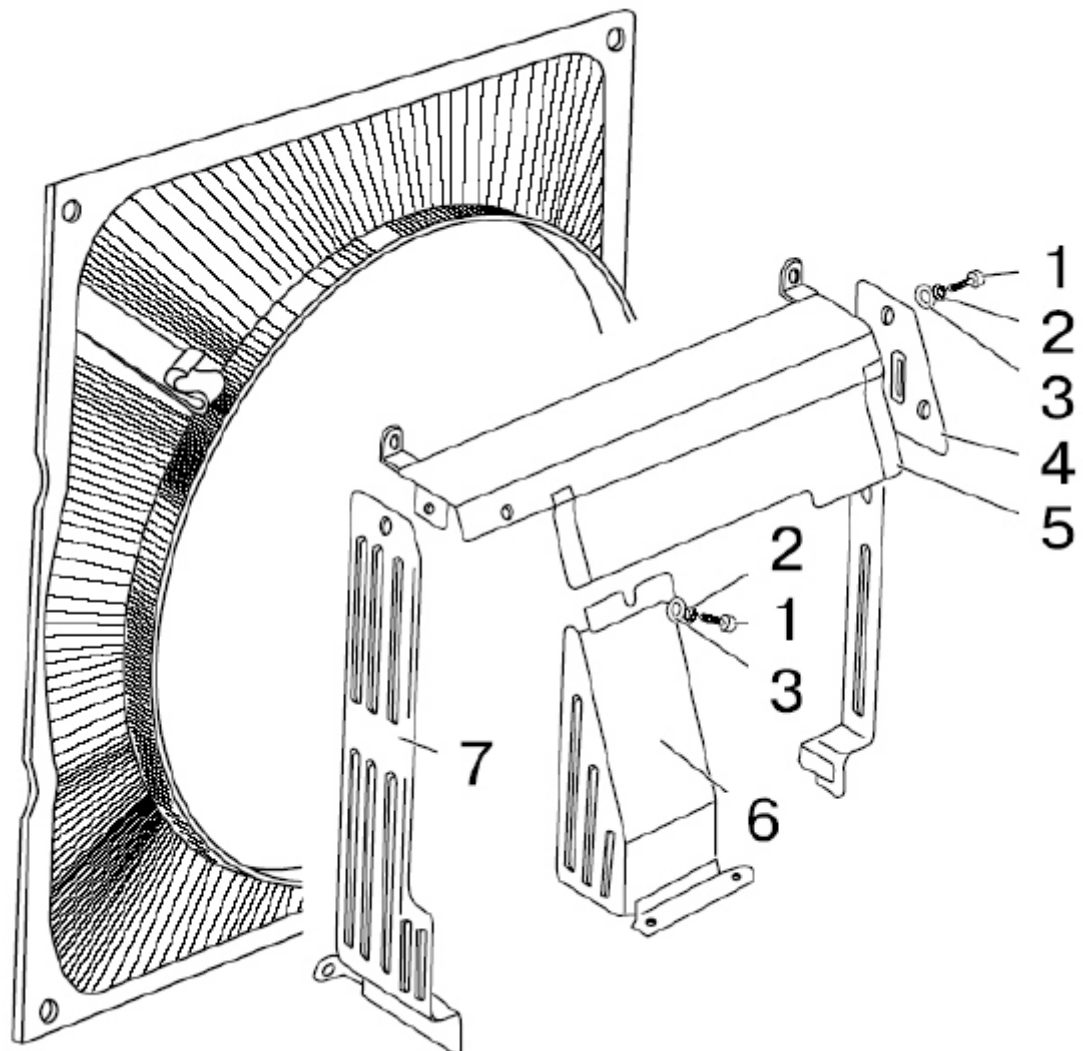


Fig. 13.2. Fan guard (optional)

Group 13. Cooling system
Subgroup 1309. Fan guard (optional)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
13.2	1	M6x16	4	Bolt
	2	ShP 6	3	Washer
	3	ShCh 6	3	Washer
	4	80-1309020	1	Right cheek
	5	80-1309025	1	Grid
	6	80-1309030	1	Casing (it is installed at the absence of compressor)
	7	80-1309015	1	Left cheek

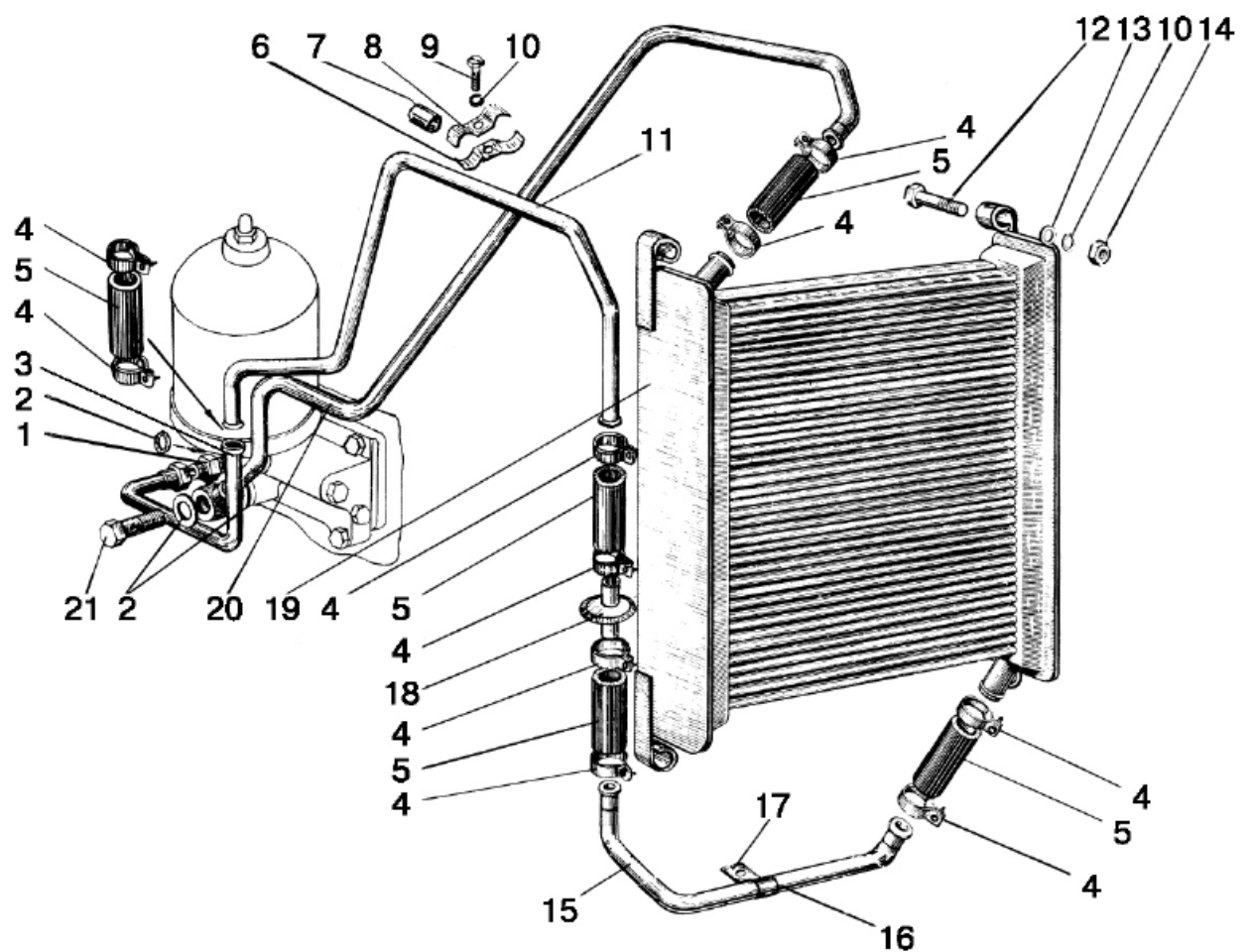


Fig. 14.1. Oil cooler

Group 14. Lubrication system
Subgroup 1405. Oil cooler

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
14.1		600-1405100	1	Oil pipeline (4, 5, 11, 23)
	1	70-1405089	1	Union
	2	40-4607038-A	3	Washer
	3	70-1405120	1	Oil pipeline
	4	HS-21-P29	10	Clip
	5	70-1405013	5	Hose
	6	70-3407146	1	Planck
	7	70-3506027	3	Bush
	8	70-3407144	4	Planck
	9	M8x35	2	Screw
	10	ShP 8	6	Washer
	11	70-1406109	1	Oil pipeline
	12	M8x45	4	Bolt
	13	ShCh 8	4	Washing
	14	M8	6	Nut
	15	600-1405117	1	Oil pipeline
	16	70-1405011	1	Pipe
	17	70-1405112	1	Clip
	18	70-1405230	1	Filter
	19	245-1405010-A	1	Cooler
	20	70-1405110	1	Oil pipeline
	21	40-4607032	1	Bolt

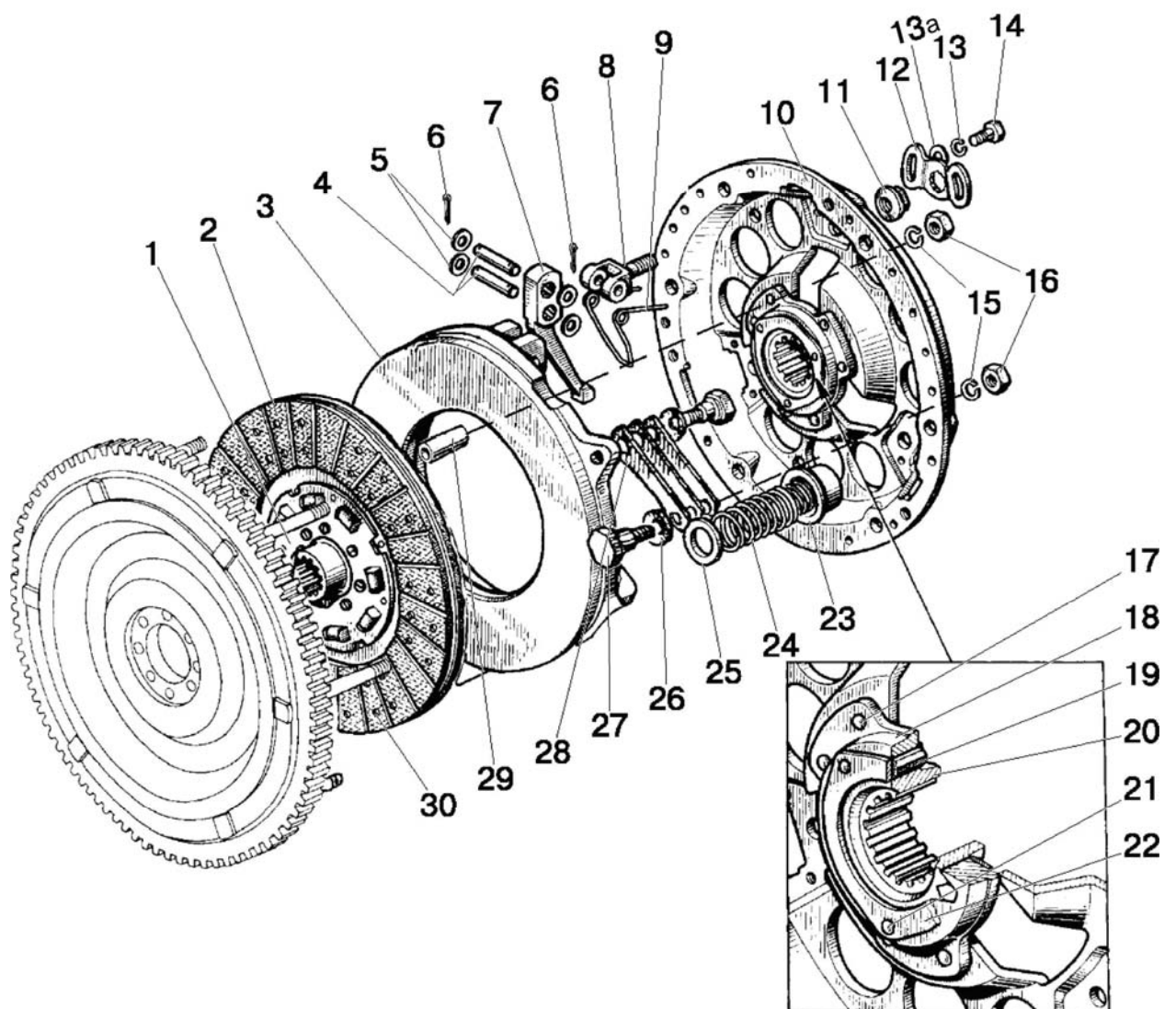


Fig. 16.1. Clutch disks

Group 16. Clutch
Subgroup 1601. Clutch disks

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
16.1		80-1601090	1	Clutch disks (3-28)
		85-1601120-B	1	Backing plate (10,17-22)
	1	85-1601130-01	1	Driven disk
	2	70-1601138-01	2	Overlay
	3	80-1601093	1	Pressure plate
	4	85-1601096	6	Pin
	5	85-1601108	12	Washer
	6	3,2x18	12	Splint
	7	85-1601094	3	Pressing lever
	8	85-1601097	3	Fork
	9	85-1601083	3	Spring
	10	85-1601125-B	1	Backing plate(18, 17, 85-1601122 - B)
	11	85-1601109-A	3	Adjusting nut
	12	85-1601086	3	Retainer
	13	ShP 8	6	Washer
	13a	ShCh 8	6	Washer
	14	M8x16	6	Bolt
	15	ShP 12	9	Washer
	16	M12x1,25	9	Nut
	17	8x22	6	Rivet
	18	70-1601051	1	Hub
	19	70-1601091	12	Damper
	20	70-1601053	1	Bush
	21	6x30	3	Rivet
	22	70-1601062	2	Washer
	23	85-1601072-B	9	Cup
	24	85-1601115	9	Spring
	25	85-1601118-B	9	Isolating washer
	26	85-1601121	6	Washer
	27	85-1601126	6	Bolt
	28	85-1601124	9	Board
	29	70-1601074	6	Bush
	30	2-4x8-32	24	Rivet

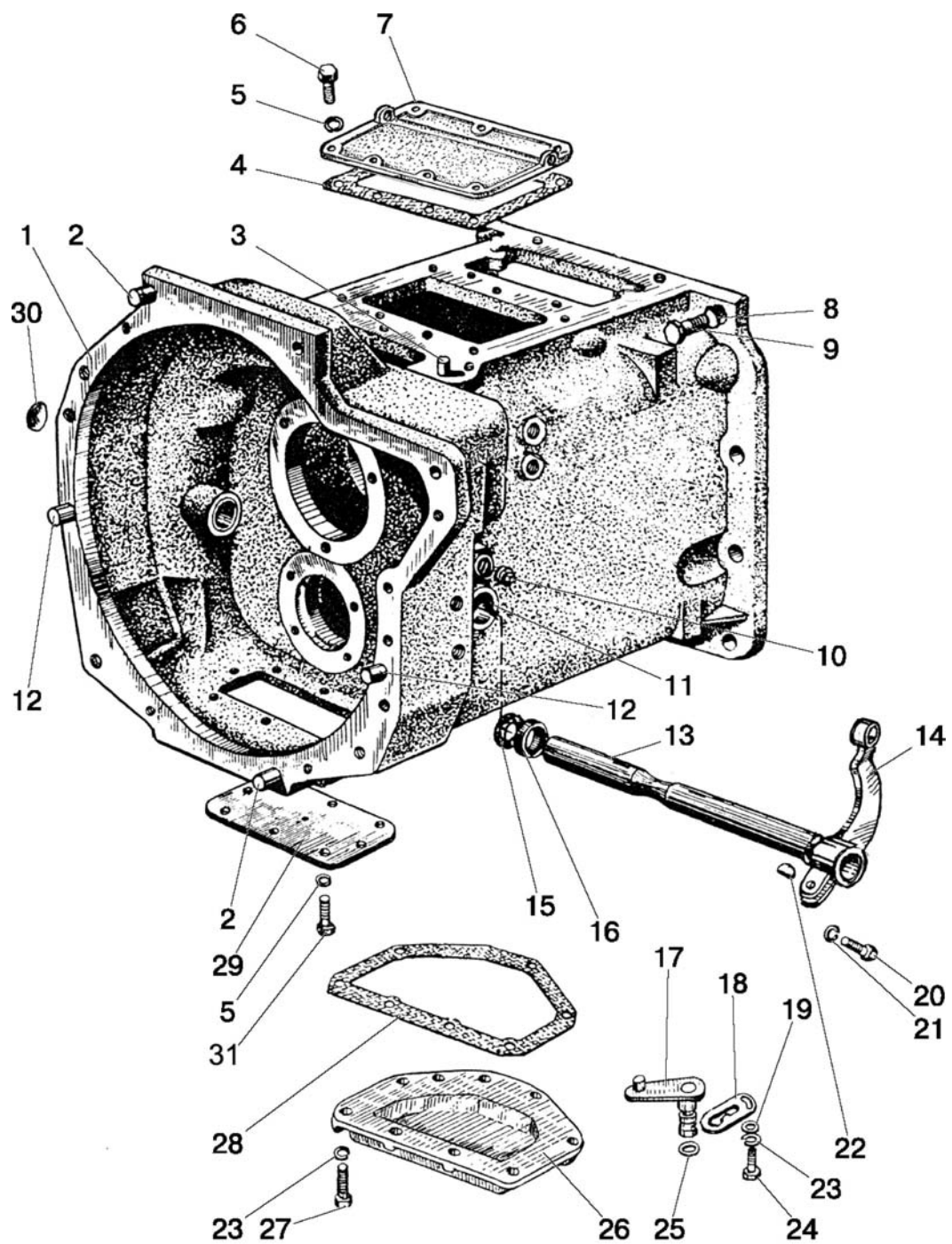


Fig. 16.2. Clutch housing

Group 16. Clutch
Subgroup 1601. Clutch housing

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
16.2	1	70-1601015	1	Clutch housing (includes spare part no. 50-3503064)
	2	D01-015	2	Set pin
	3	ShCK 10x25	2	Pin
	4	50-1601345	1	Lining
	5	ShP 8	11	Washer
	6	M8x20	7	Bolt
	7	70-1601344	1	Cover
	8	ShP 16	10	Washer
	9	M16x50	10	Bolt
	10	PK KG 1 1/4"	1	Plug
	11	50-3503064	1	Bush (constituent element of part 70-1601015)
	12	50-1601352	2	Pin
	13	50-1601215	1	Shaft of forks of inclusion
	14	80-1601219-B	1	Lever
	15	80-4608024	1	Ring
	16	36-1601016	1	Dust reflector housing
	17	70-1601140	1	Roller
	18	80-1601099	1	Plate
	19	ShCh 10	1	Washer
	20	M12x35	1	Bolt
	21	ShP 12	1	Washer
	22	SSh 611	1	Connector 6x11
	23	ShP 10	9	Washer
	24	M10x20	1	Bolt
	25	020-025-30-1-4	2	Ring
	26	50-1601315	1	Bottom cover
	27	M10x25	8	Bolt
	28	70-1601314	2	Lining
	29	50-1601341	1	Coupling cover
	30	50-1601022	1	Plug
	31	M8x16	4	Bolt

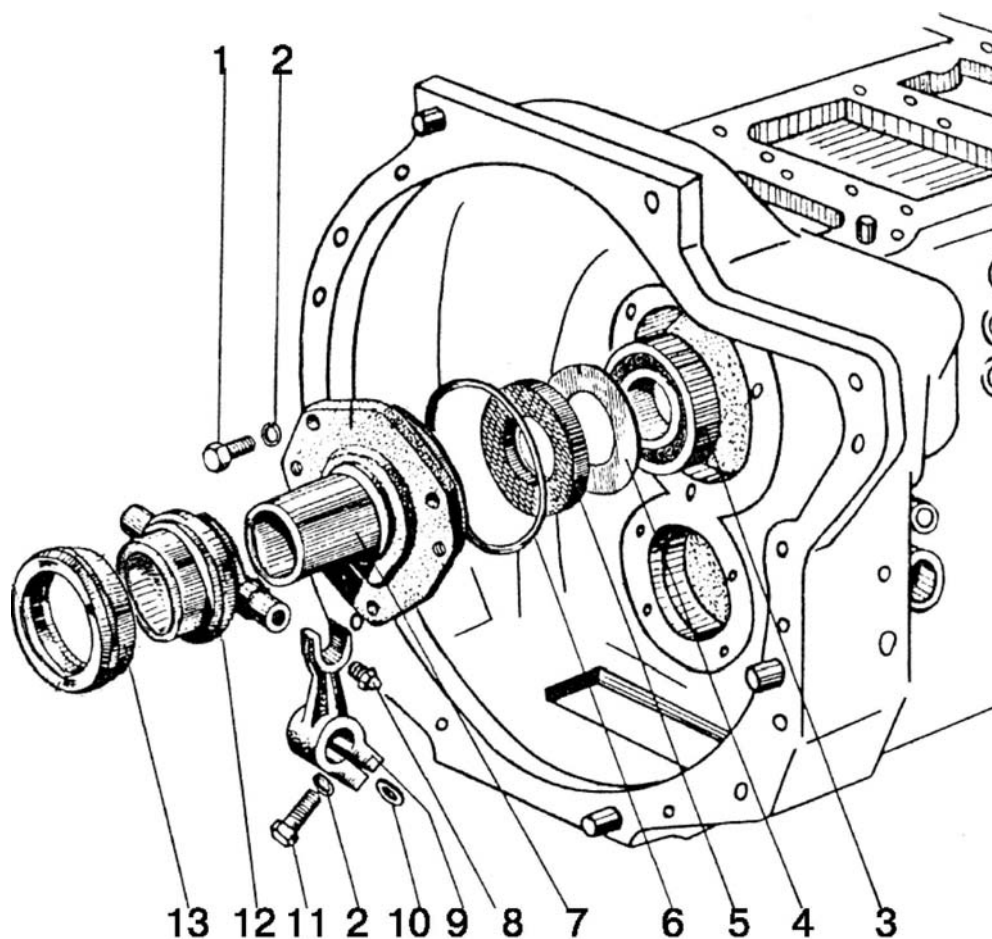


Fig. 16.3. Coupling housing (release yoke)

Group 16. Clutch
Subgroup 1601. Clutch housing (release yoke)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
16.3	1	M10x25	3	Bolt
	2	ShP 10	5	Washer
	3	60210AUS1	1	Bearing
	4	50-1601319	1	Oil reflecting washer
	5	240-1002055	1	Collar 50x70 (constituent element of part 50-1601172-A)
	6	110-115-30-1-4	1	Ring
	7	50-1601172-A	1	Release yoke bracket (includes detail 240-1002055)
	8	1.1 C6hr	1	Greaser
	9	50-1601203	2	Fork
	10	50-1601218	2	Connector
	11	M10x30	2	Bolt
	12	50-1601185-A	1	Release yoke
	13	986714 K1S23	1	Release yoke bearing

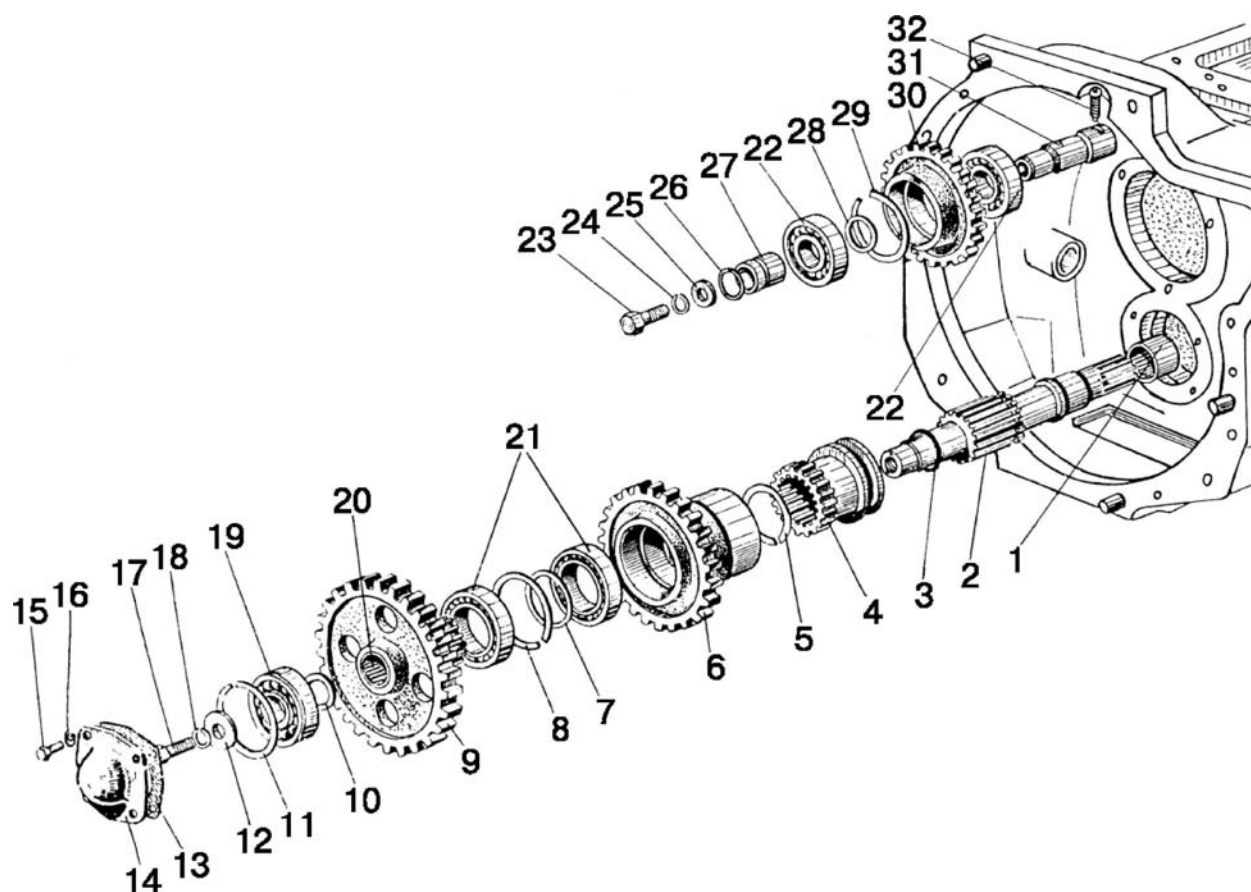


Fig. 16.4. Clutch housing (Power Take Off drive, Pump Drive of Hydraulic Lift System)

Group 16. Clutch
Subgroup 1601. Clutch housing (Power Take Off Drive, Pump Drive of Hydraulic Lift System)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
16.4	1	942/40	1	Bearing
	2	70-1601021-B	1	Shaft of Drive of Power Take Off
	3	70-1601076	1	Ring
	4	70-1601081	1	Clutch
	5	2V50	1	Ring
	6	70-1601086-B	1	Pinion of Drive of Power Take Off (II step)
	7	70-1601083	1	Spacing Washer
	8	2V90	1	Ring
	9	70-1601088-B	1	Pinion of Drive of Power Take Off (I step)
	10	70-1601082	1	Spacing Washer
	11	KSP-72	1	Ring
	12	50-1601038	1	Pressure Washer
	13	50-1601091	1	Lining
	14	50-1601089	1	Bearing Cover
	15	M8x16	4	Bolt
	16	ShP 8	4	Washer
	17	M12x35	1	Bolt
	18	ShP 12	1	Washer
	19	6-50306K	1	Bearing
	20	943/30	2	Bearing
	21	210 AUSh1	2	Bearing
	22	305	2	Bearing
	23	M10x30	1	Bolt
	24	ShP 10	1	Washer
	25	10x6.01.019	1	Washer
	26	025-030-30-1-4	1	Ring
	27	50-1601336	1	Stop bush
	28	70-1601333	1	Ring
	29	2V62	1	Ring
	30	70-1601331	1	Idler pinion
	31	70-1601335	1	Pinion axle
	32	VM12x25	1	Screw

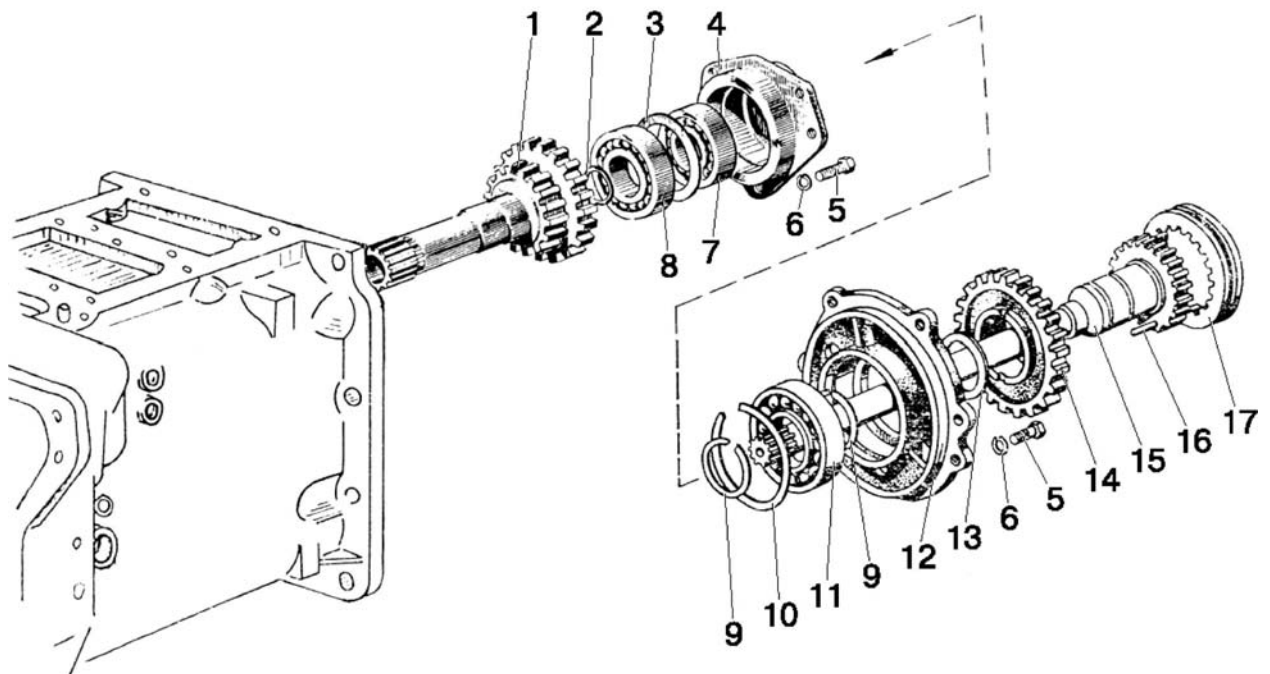


Fig. 16.5. Clutch housing (reducing gear)

Group 16. Clutch
Subgroup 1601,1721. Clutch housing (reducing gear)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
16.5	1	70-1601026	1	Shaft of Drive of Power Take Off
	2	50-1601321	1	Ring
	3	50-1601027	1	Support Washer
	4	70-1601028	1	Arm
	5	M10x25	7	Bolt
	6	ShP 10	7	Washer
	7	307A	1	Bearing
	8	210AUS1	1	Bearing
	9	2S55	2	Ring
	10	2S100	1	Ring
	11	211AUS1	1	Bearing
	12	70-1721022	1	Support Cover
	13	70-1721023	1	Support Washer
	14	70-1721031	1	Pinion
	15	70-1721113-A	1	Power Shaft
	16	4x34,8	47	Roller
	17	70-1721045	1	Clutch

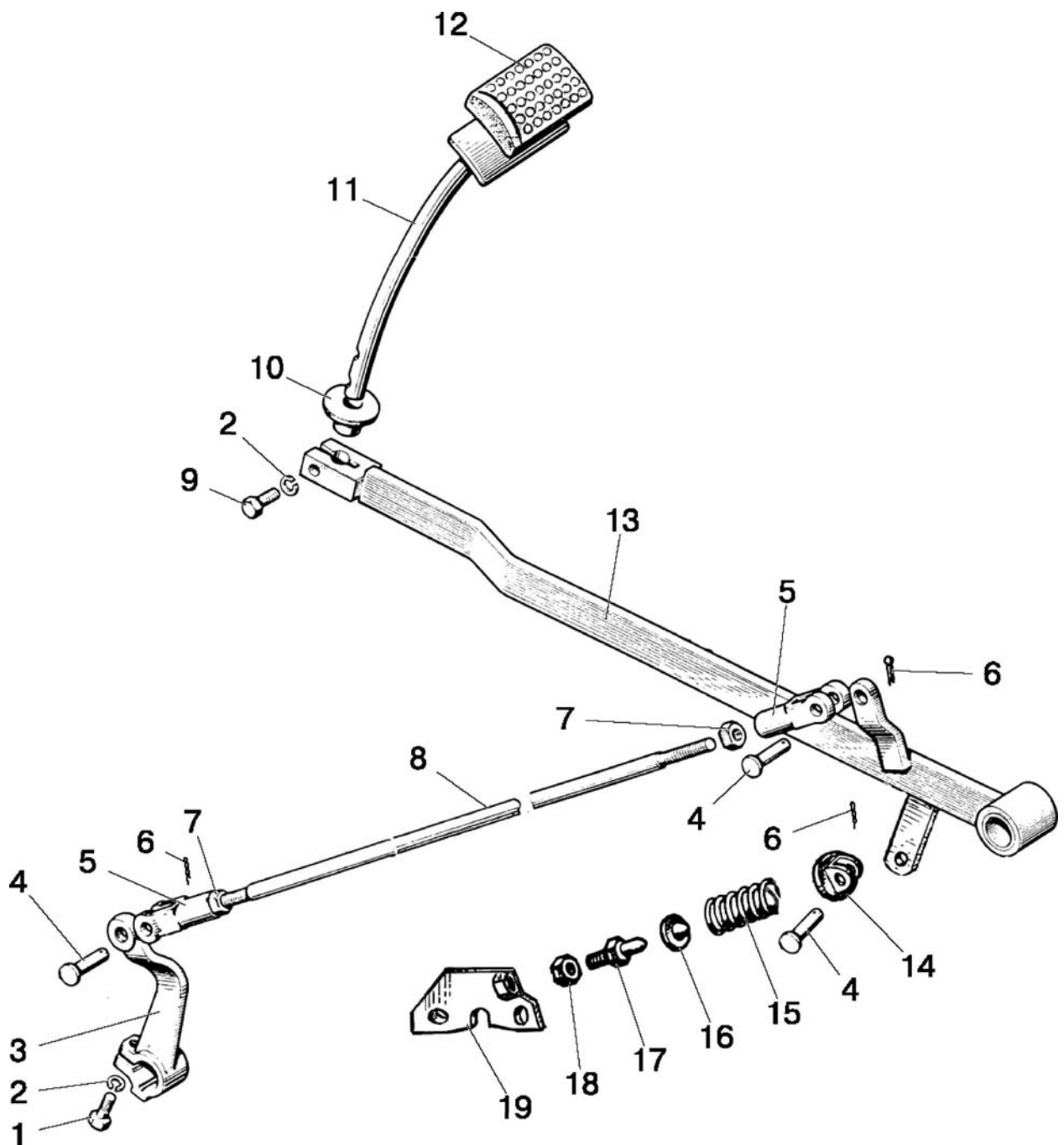


Fig. 16.6. Clutch control

Group 16. Clutch
Subgroup 1602. Clutch Control

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
16.6		50-1602110-B	1	Rod (5,7,8)
	1	M12x35	1	Bolt
	2	ShP 12	2	Washer
	3	80-1601219-B	1	Lever
	4	12x32	3	Pin
	5	50-3502203	2	Fork
	6	3,2x18	3	Splint
	7	M12x1,25	2	Nut
	8	85-1602112-V	1	Rod
	9	M12x30	1	Bolt
	10	80-3503158-A	1	Gasket
	11	70-1602040	1	Ballast Core
	12	A13.33.002	1	Overlay
	13	70-1602020-B	1	Pedal
	14	50-1602027	1	Arrester
	15	50-1602032	1	Spring
	16	50-1602029	1	Arrester
	17	80-1602033	1	Arrester Bolt
	18	M16	1	Nut
	19	80-1602075-B	1	Arm

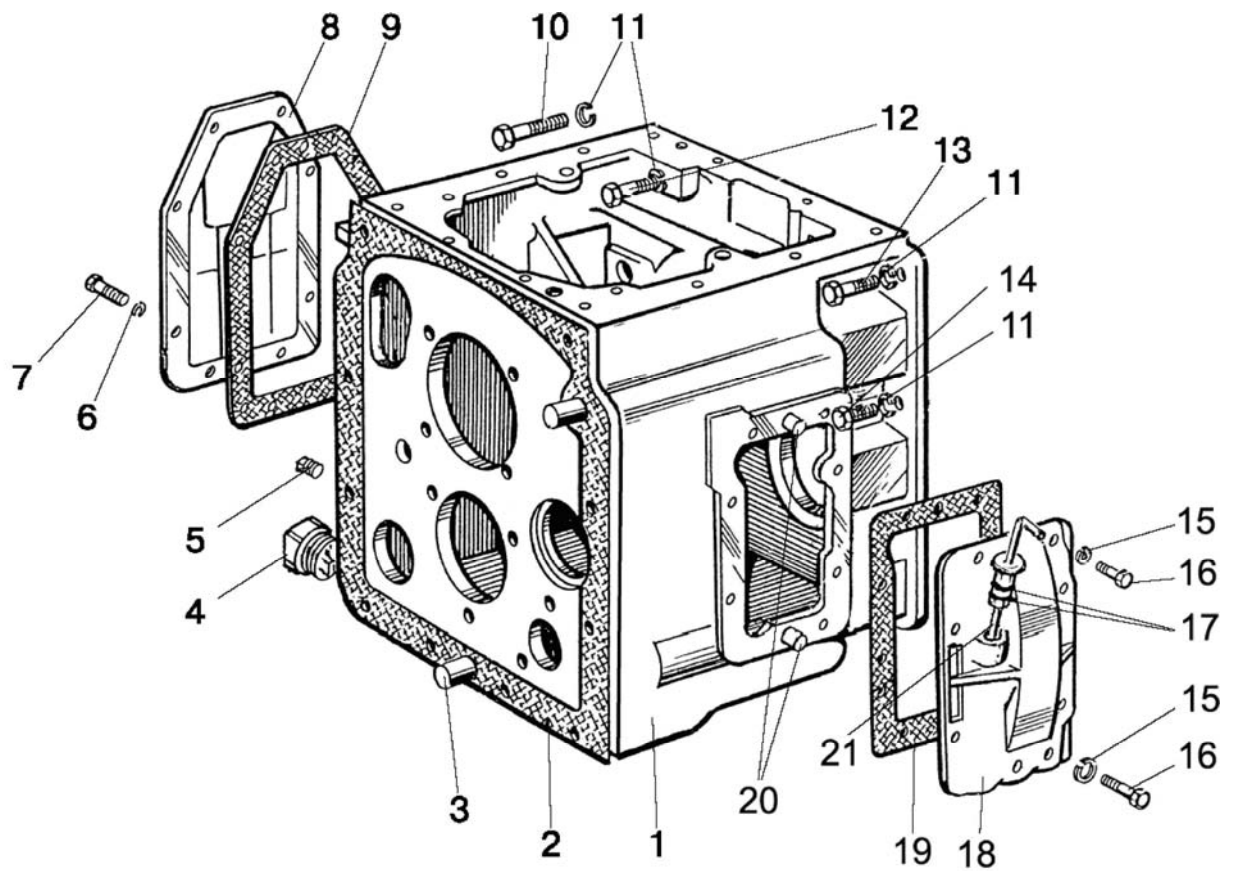


Fig7.1. Gearbox. Gearbox casing.

Group 17. Gearbox
Subgroup 1701. Gearbox. Gearbox casing.

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
17.1		70-1700010	1	Gearbox (for tractor Belarus-90)
		72-1700010	1	Ger box (for tractor Blarus-92)
	1	50-1701025-A	1	Gearbox casing
	2	50-1701026	1	Lining
	3	50-4605027	2	Pin
	4	70-1701300	1	Plug 1 1/4"
	5	KG-3/8"	1	Plug
	6	ShP 10	8	Washer
	7	M10x35	8	Bolt
	8	50-1701458	1	Right Cover (for tractor Belarus-90)
	9	50-1701459	1	Lining
	10	M16x100	2	Bolt
	11	ShP 16	11	Washer
	12	M16x60	2	Bolt
	13	M16x55	5	Bolt
	14	M16x50	2	Bolt
	15	ShP 12	7	Washer
	16	M12x35	7	Bolt
	17	011-015-25-1-4	2	Ring
	18	70-1701454-A2	1	Cover
	19	50-1701456-A	1	Lining
	20	D01-015	2*/4**	Pin
	21	70-1701415-A	1	Oil meter

* For tractor Belarus-90

** For tractor Belarus-92

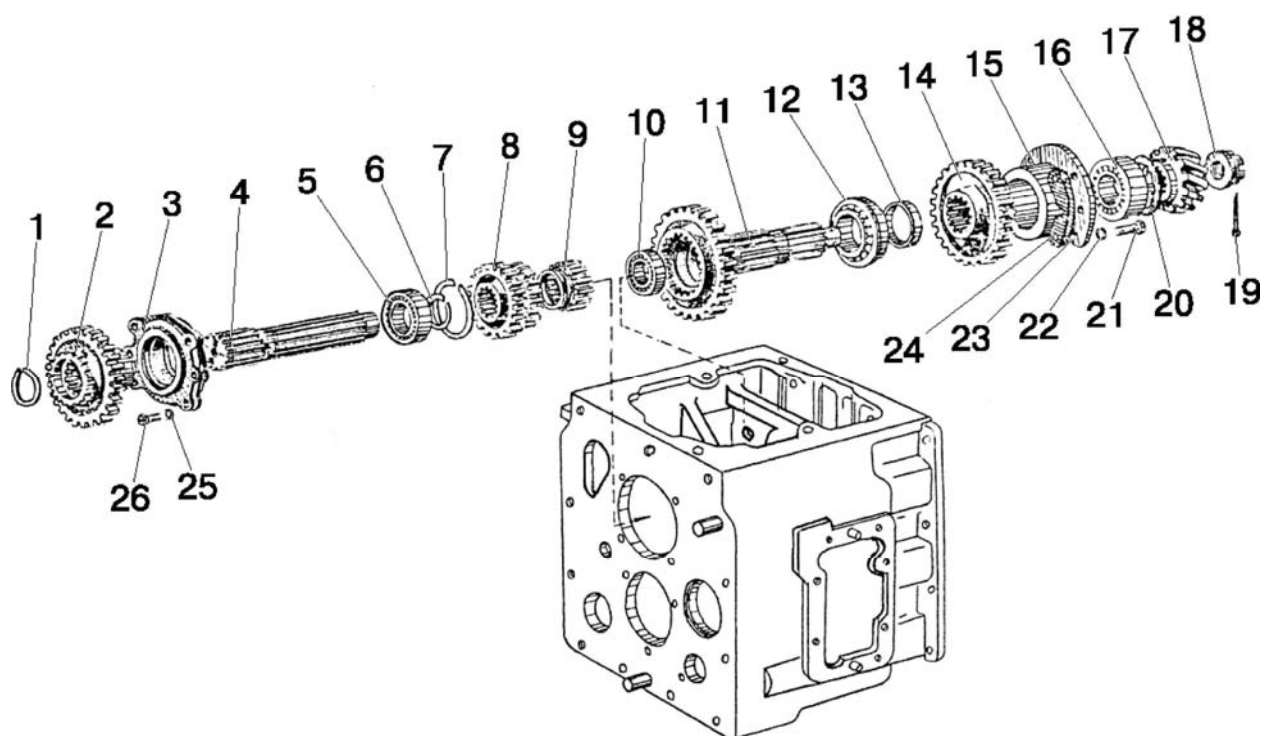


Fig. 17.2. Main Drive Shaft. Main Shaft

Group 17. Gearbox
Subgroup 1701. Main Drive Shaft. Main Shaft.

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
17.2		48-1701030-A	1	Min Drive Shaft (3-9)
		50-1701040	1	Main Shaft (10-13)
		50-1701050	1	Bearing cup (15, 16)
	1	2V60	1	Ring
	2	70-1721025	1	Pinion of lowering reducer
	3	50-1701034	1	Shaft cup
	4	48-1701032-A	1	Main Drive Shaft
	5	210 AUSH1	1	Bearing
	6	2V50	1	Ring
	7	2V90	1	Ring
	8	50-1701048-A	1	Pinion of IV and V speed
	9	50-1701045	1	Pinion of III speed
	10	208A	1	Bearing
	11	50-1701252	1	Main Shaft
	12	6-67512ASh2	1	Bearing
	13	50-1701312	1	Spacer
	14	50-1701314	1	Pinion of II step of reducer
	15	50-1701255	1	Cup
	16	6-7610ASh2	1	Bearing
	17	50-1701105-B	1	Pinion of main gear (it is supplied only in set of tools and accessories)
	18	50-1701253	1	Nut M36x1,5
	19	5x45-001	1	Splint
	20	50-1701254 A	1	Washer
	21	M12x35	4	Bolt
	22	ShP 12	4	Washer
	23	50-1701259	2	Adjustment gasket 0,5 mm
	24	50-1701258	10	Adjustment gasket 0,2 mm
	25	ShP 10	4	Washer
	26	M10x25	4	Bolt

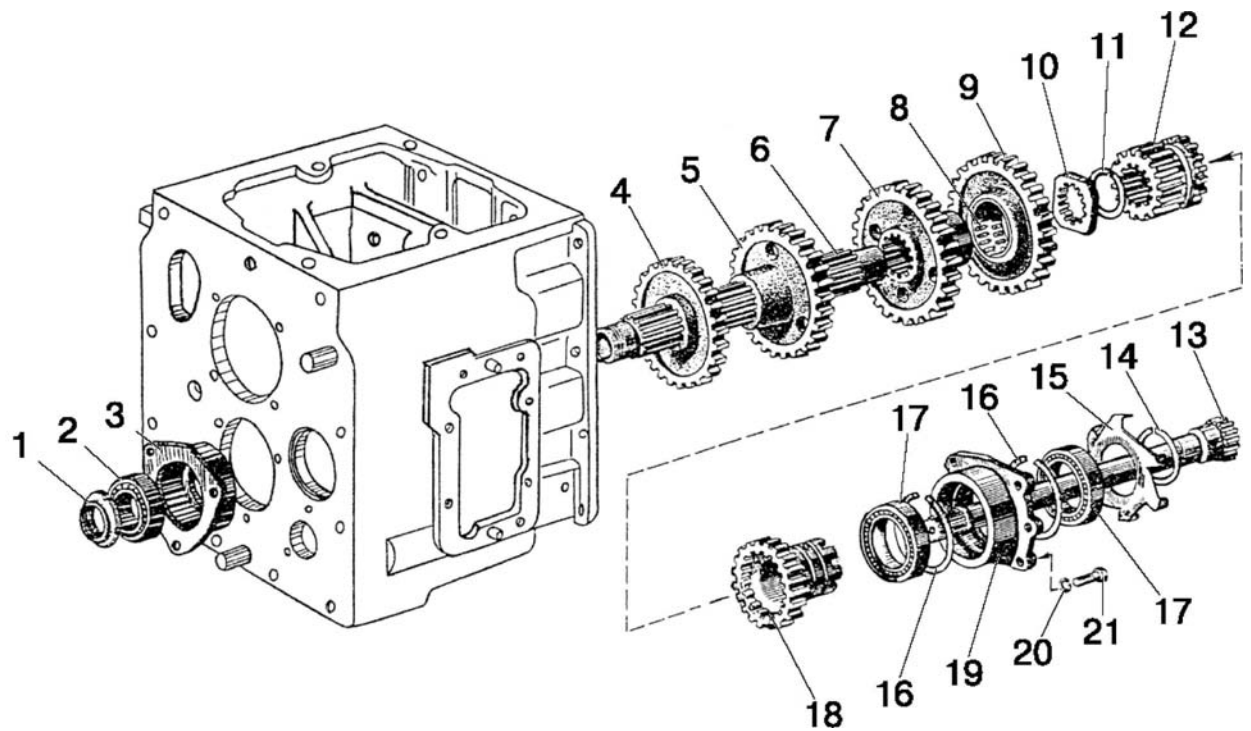


Fig. 17.3. Inner Shaft. Idler Shaft

Group 17. Gear box
Subgroup 1701. Inner Shaft. Idler Shaft

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
17.3		50-1701190-A	1	Pinion of II step of reducer (14-19)
		50-1701200	1	Bearing housing (2-3)
		F50-1701065	1	Pinion (7-10)
	1	50-1701181	1	Shaft nut
	2	60210AUS1	1	Bearing
	3	50-1701184	1	Bearing housing
	4	50-1701218	1	Pinion of V speed and reverse
	5	50-1701216	1	Pinion of IV speed
	6	70-1701182-B	1	Idler Shaft
	7	50-1701214	1	Pinion of III speed
	8	3KK 72x82x45 E	1	Bearing
	9	F50-1701056-B	1	Idler pinion
	10	50-1701183	1	Thrust washer
	11	50-1701187	1	Arrester
	12	70-1701196	1	Pinion of I stage of reducer
	13	50-1701185	1	Inner Shaft
	14	2S75	1	Ring
	15	50-1701401	1	Impeller
	16	2S115	2	Ring
	17	6-12115EMUS1	2	Bearing
	18	50-1701198-A	1	Pinion of II step of reducer
	19	50-1701195	1	Cup
	20	ShP 12	4	Washer
	21	M12x35	4	Bolt

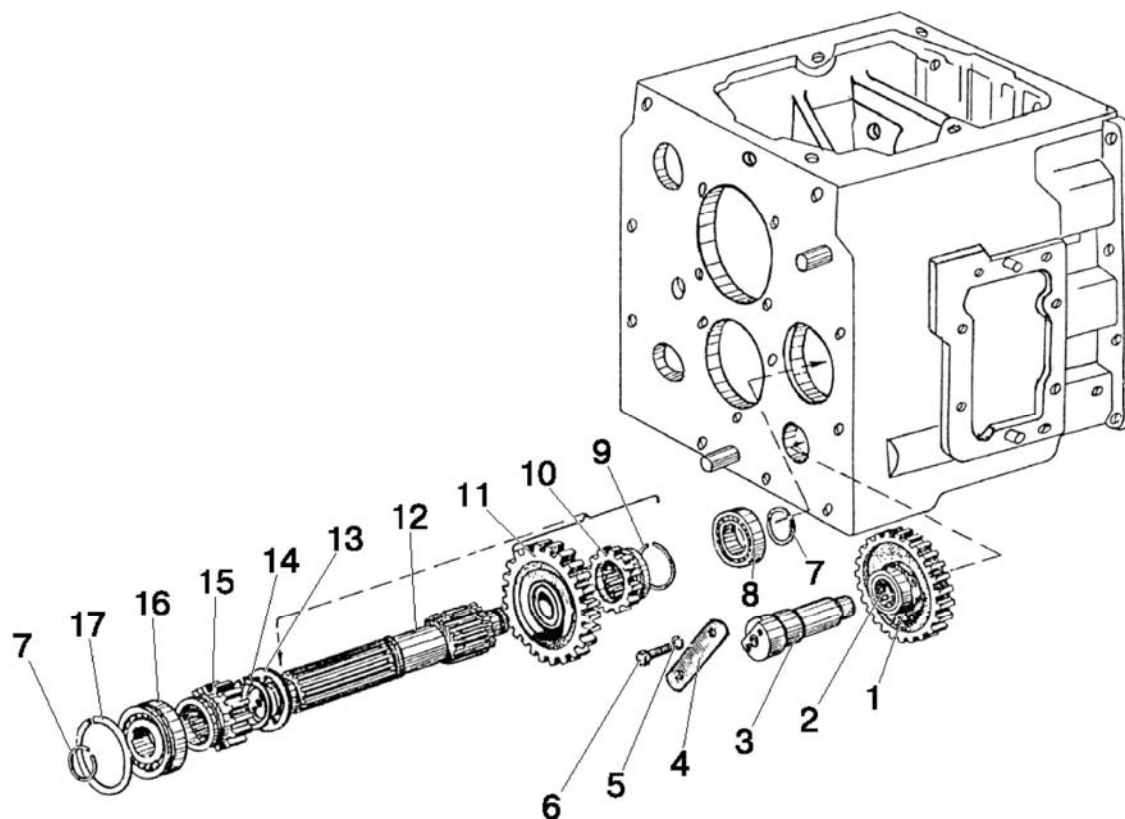


Fig. 17.4. First gear and reverse Shaft

Group 17. Gearbox
Subgroup 1701. First gear and reverse Shaft

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
17.4		70-1701080	1	Pinion (1, 2)
		70-1701380	1	Shaft of I gear and reverse (9-15)
	1	70-1701082	1	Idler gear of reverse
	2	3KK 30x35x46 E	1	Bearing
	3	50-1701434-A	1	Axle
	4	50-1702082-A	1	Strap
	5	ShP 10	2	Washer
	6	M10x25	2	Bolt
	7	H4M-1701163	2	Ring
	8	208A	1	Bearing
	9	2S65	1	Ring
	10	70-1701072	1	Pinion
	11	70-1701224	1	Pinion
	12	70-1701382	1	Shaft of I gear and reverse
	13	70-1701226	1	Washer
	14	2S50	1	Ring
	15	50-1701212-A	1	Pinion
	16	50308A	1	Bearing
	17	90	1	Ring

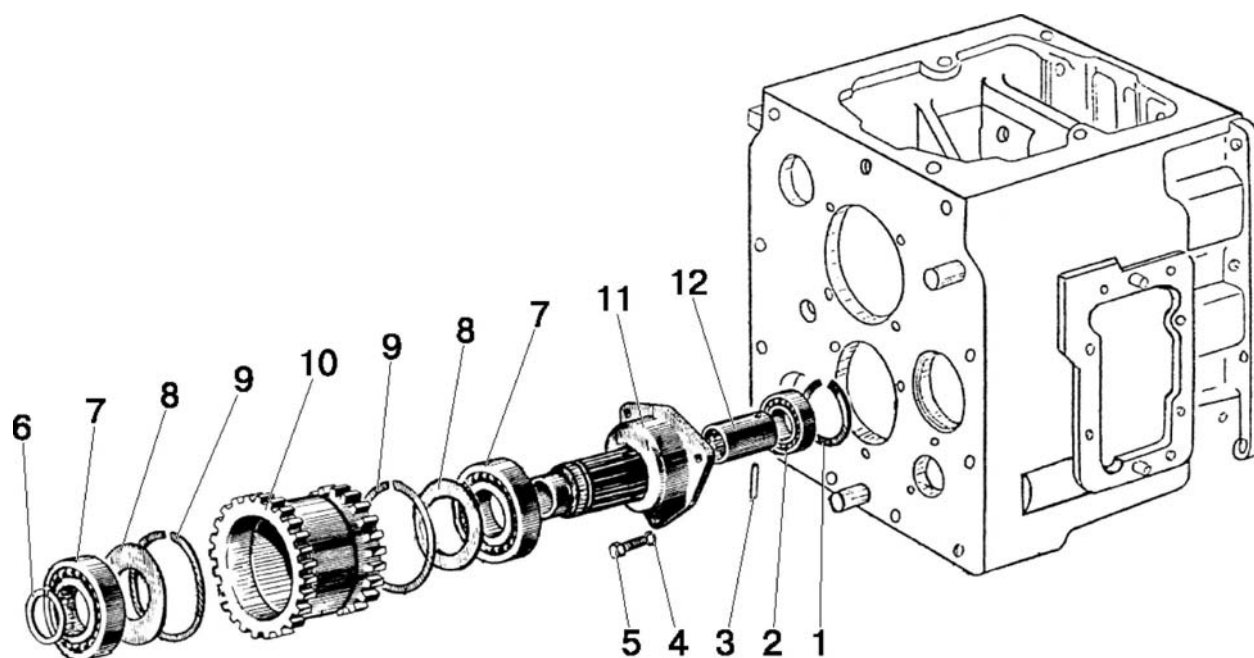


Fig. 17.5. Reducer

Group 17. Gearbox
Subgroup 1701,1721. Reducer

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
17.5		70-1701170	1	Shaft receiver (1, 2, 11, 12)
		70-1721040	1	Reducer pinion (7-10)
	1	2S80	1	Ring
	2	307 A	1	Bearing
	3	A8x45	1	Spring pin
	4	ShP 10	3	Washer
	5	M10x35	3	Bolt
	6	2S60	1	Ring
	7	212AUS1	2	Bearing
	8	70-1721318	2	Oil reflector washer
	9	2S110	2	Ring
	10	70-1721041	1	Reducer Pinion
	11	70-1701186	1	Housing
	12	50-1701188	1	Bush

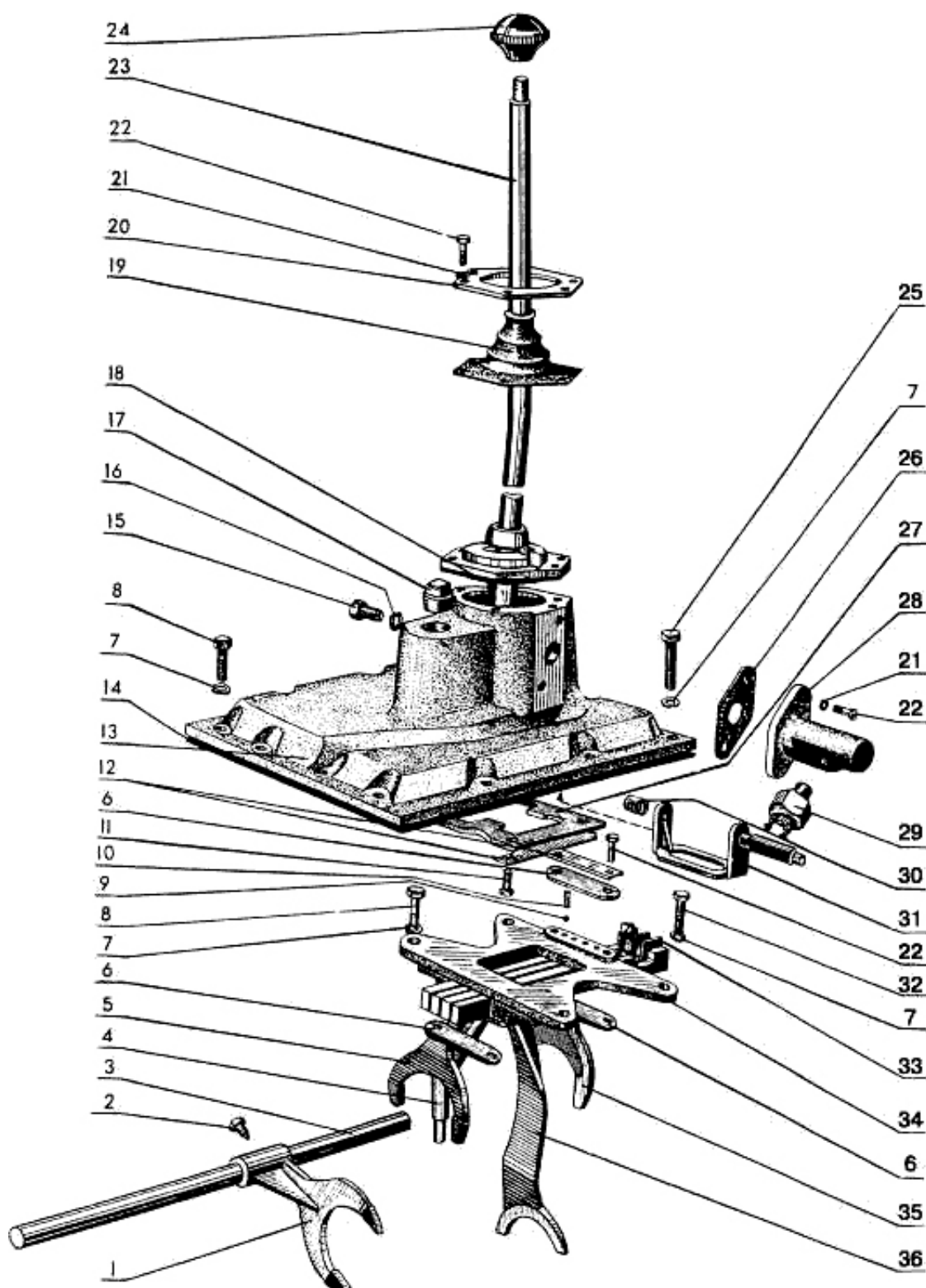


Fig. 17.6. Gear box with shift lever in the center (designation and short description)

Group 17. Gearbox
Subgroup 1700. Gearbox with shift lever in the center

Designation	Quantity of gears forward/reverse	Front driving axle drive	Drive of speed reducer	Guard of maximum speed	Tractor Model
70-1700010	18/4	absent	provided	absent	90
72-1700010	18/4	provided	provided	absent	92
70-1700010-02	17/4	absent	provided	till 20...25 km/h	90
72-1700010-02	17/4	provided	provided	till 20...25 km/h	92
70-1700010-06	18/4	absent	absent	absent	90
72-1700010-06	18/4	provided	absent	absent	92

Group 17. Gearbox
Subgroup 1702. Gear shift mechanism

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
17.6		70-1702010	1	Cover of gearbox 3, 15-19, 21-24, 27-32)
		50-1702080	1	Case of plugs (4-7, 9, 10, 12, 34-37)
	1	50-1702028	1	Plug of switching of reducer
	2	36-1702110	1	Adjusting screw
	3	50-1702063	1	Roller
	4	50-1702095-A1	1	Dog
	5	50-1702116	1	Plug of switching of IV и V gears
	6	50-1702081	3	Planck of plugs of switching
	7	ShP 10	14	Washer
	8	M10x25	18	Bolt
	9	10,0-60	4	Ball
	10	50-1702148-A	4	Spring of clamp
	11	M10x18	4	Bolt
	12	50-1702107-A	2	Lock plate
	13	50-1702025-A	1	Cover
	14	50-1702026	1	Lining
	15	M12x25	1	Bolt
	16	ShP 12	3	Washer
	17	KG 1 1/4"	1	Plug
	18	50-1702121	1	Lining
	19	50-1702236	1	Cover
	20	50-1702231	1	Press ring
	21	ShP 8	8	Washer
	22	M8x25	8	Bolt
	23	70-1702020-A	1	Lever of switching
	24	70-1702125	1	Handle
	25	M10x60	2	Bolt
	26	50-1702045	1	Lining
	27	50-1702084	1	Restrictive plate
	28	50-1702044	1	Bush
	29	VK12-3	1	Switch
	30	36-1301163	1	Spring
	31	70-1702040-01	1	Frame
	32	50-1702092	2	Fitter bolt (1M2x42)
	33	50-1702083	3	Lock plank
	34	50-1702085	1	Set of Plugs
	35	50-1702096	1	Plug of switching of III gear
	36	74-1702086	1	Plug of switching of I gear and reverse

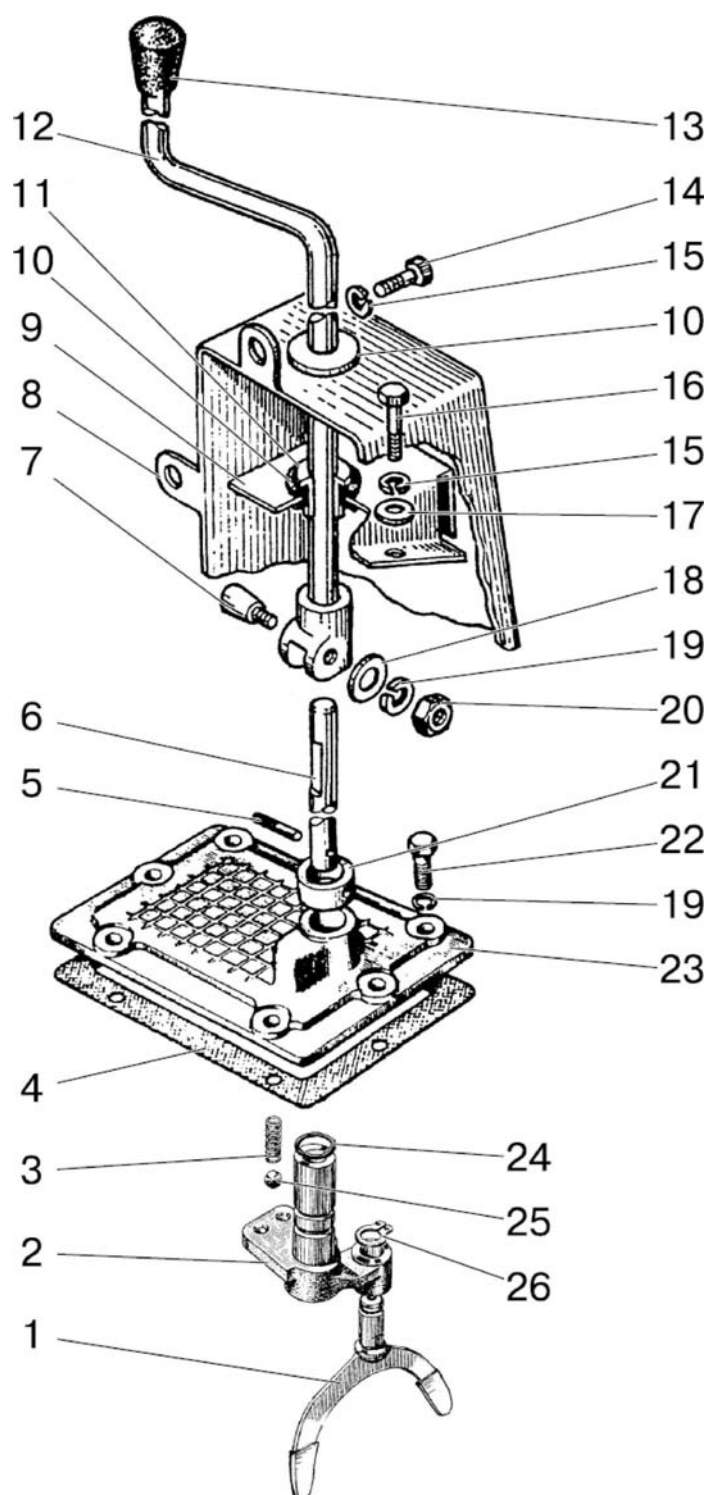


Fig. 17.7. Reducer control

Group 17. Gear box
Subgroup 1723. Reducer control

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
17.7		80-1723010-B	1	Reducer control (1-3, 5, 6, 19 21, 23-26)
		80-1723065	1	Lever (7, 12, 13, 18-20)
	1	80-1721021	1	Plug
	2	70-1723020	1	Axle with lever
	3	50-1702148-A	1	Spring
	4	50-1601347	1	Lining
	5	70-1723012	1	Pin
	6	70-1723024	1	Rod
	7	70-1723063	1	Wedge piece
	8	80-6700370	1	Case
	9	80-6702291	1	Overlay
	10	70-3723024	2	Bush
	11	70-4605308-B	1	Bush
	12	80-1723060	1	Lever
	13	A61-01-014	1	Handle
	14	M6x20	3	Bolt
	15	ShP 6	5	Washer
	16	M6x14	2	Bolt
	17	ShCh 6	2	Washer
	18	ShCh 10	1	Washer
	19	ShP 10	7	Washer
	20	M10	1	Nut
	21	70-1723032	1	Bush
	22	M10x30	6	Bolt
	23	70-1723015	1	Cover
	24	025-030-30-2-2	1	Ring
	25	10,0-60	1	Ball
	26	S16	1	Ring

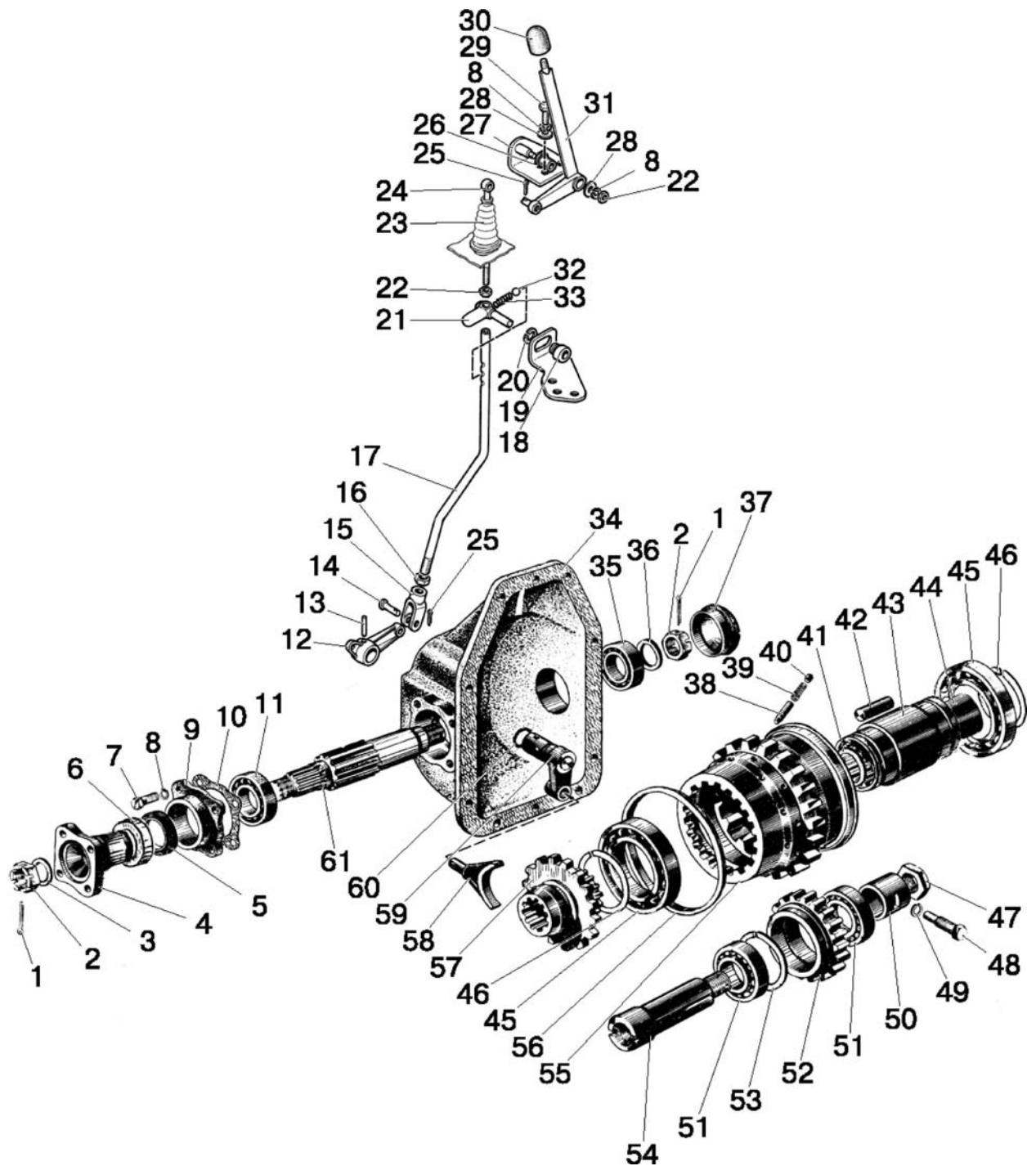


Fig. 18.1. Transfer box of front driving axle drive (for tractor "Belarus-92")

Group 18. Transfer box
Subgroup 1802. Transfer box of front driving axle drive
(for tractor Belarus-92)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
18.1		72-1802020	1	Transfer box(1-13, 34-61)
		72-1802060	1	Pinion with overrunning clutch (38-40, 42-46)
		52-1802094RN	1	Axle (47, 54) (only for spare parts)
		52-1802095-B	1	Intermediate pinion 53)
		52-1802100-A	1	Case (5, 6, 9)
		52-1802110-A	1	Set of rollers (38-40, 42) (only for spare parts)
		72-1802125RB	1	Pinion(41, 57, 61, 72-1802060) (only for spare parts)
	1	4x25	2	Splint
	2	70-3003032	2	Nut
	3	52-1802079	1	Washer
	4	52-1802078-A	1	Flange
	5	2.2-38x58-1	1	Collar
	6	72-1802108	1	Holder
	7	M8x25	4	Bolt
	8	ShP 8	7	Washer
	9	52-1802073	1	Case
	10	52-1802074	1	Lining
	11	306K5	1	Bearing
	12	72-1802082	1	Lever
	13	10x40	1	Pin
	14	8x30	1	Pin
	15	952-1802012	1	Plug
	16	M12x1,25	1	Nut
	17	952-1802026	1	Drawbar
	18	952-1802032	1	Bush
	19	952-1802031-A	1	Arm
	20	V20	1	Ring
	21	952-1802027	1	Guide
	22	M8	2	Nut
	23	80-6702441	1	Case
	24	952-1802011	1	Drawbar
	25	3,2x18	2	Splint
	26	50-4607082-A	1	Bush
	27	952-1802020	1	Arm
	28	ShCh 8	3	Washer
	29	M8x30	2	Bolt
	30	A13.11.000	1	Handle
	31	952-1802015	1	Lever
	32	10,0-60	1	Ball
	33	50-1702148-A	1	Spring
	34	52-1802065-A	1	Body

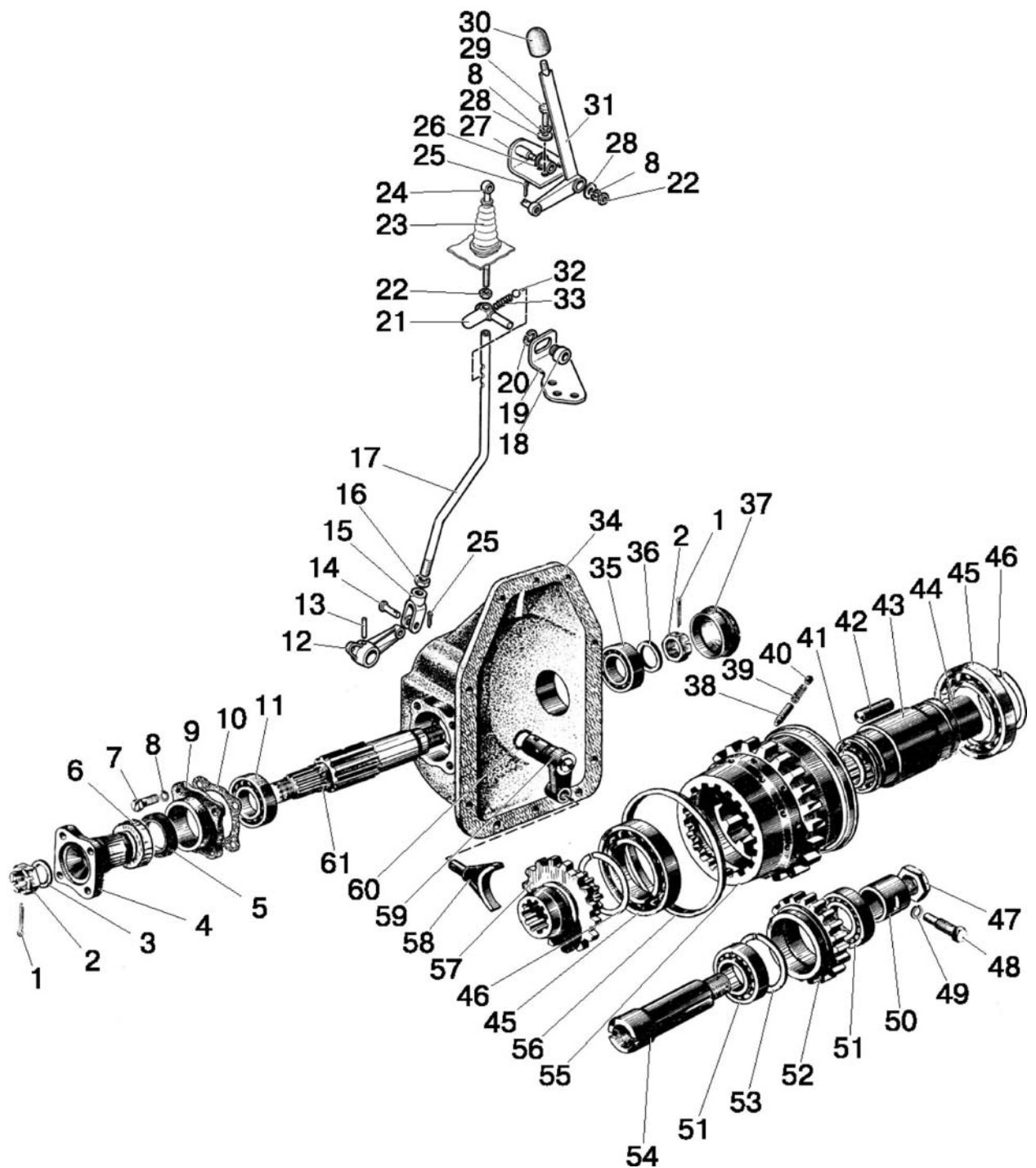


Fig. 18.1. Transfer box of front driving axle drive (for tractor Belarus-92)

Group 18. Transfer box
Subgroup 1802. Transfer box of front driving axle drive
(for tractor Belarus-92)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
18.1	35	305A	1	Bearing
	36	72-1802064	1	Washer
	37	52-1802076	1	Cover
	38	52-1802069-B	16	Pin
	39	52-1802066-A	16	Spring
	40	52-1802111	16	Plug
	41	70-1601082	2	Washer
	42	52-1802077	8	Roller
	43	72-1802131-B	1	Bush
	44	943/30	2	Bearing
	45	115	2	Bearing
	46	52-1802102-A	2	Ring
	47	72-1802128	1	Nut
	48	52-1802093	1	Screw
	49	ShP 12	1	Washer
	50	52-1802092-V	1	Bush
	51	7306K	2	Bearing
	52	52-1802091	1	Pinion
	53	52-1802097	2	Ring
	54	52-1802094-A2	1	Axle
	55	52-1802061-A	1	Pinion
	56	52-1802067	2	Holder
	57	72-1802068	1	Clutch
	58	52-1802084	1	Fork
	59	52-1802080-B1	1	Roller with lever
	60	020-025-30-1-4	1	Ring
	61	72-1802063	1	Shaft

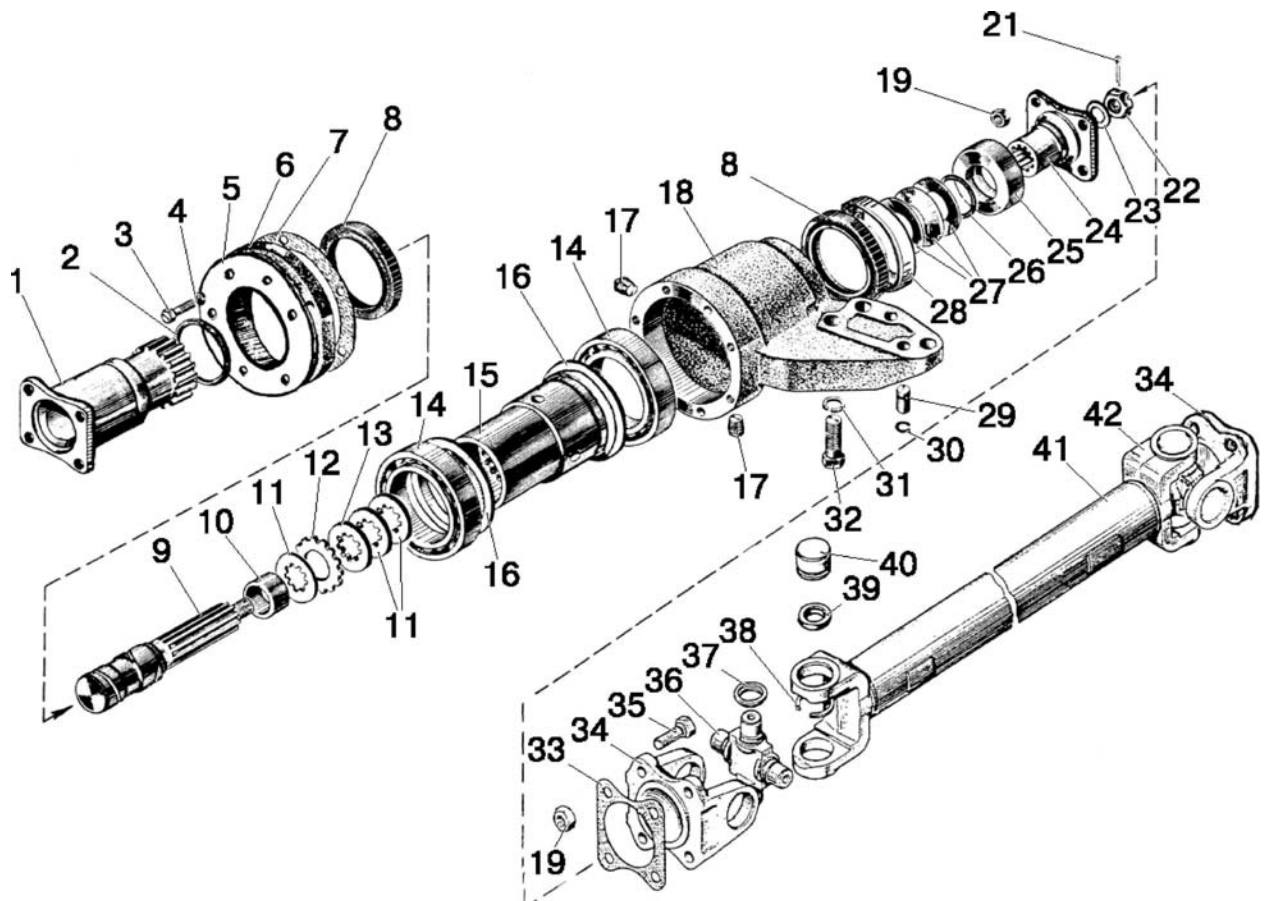


Fig. 22.1. Cardan shaft. Cardan shaft intermediate bearing (for tractor Belarus-92)

Group 22. Cardan drive
Subgroup 2203, 2209. Cardan shaft. Cardan shaft intermediate bearing (for tractor Belarus-92)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
22.1		72-2203010-A2	2	Front and intermediate cardan shaft (34, 36-42)
		72-2203025RN	4	Crossing with glands and bearings 37, 39, 40)
		72-2209100	1	Set of glands (6, 8)
		72-2209010-A	1	Intermediate bearing (1-18, 21-30)
	1	72-2209014	1	Flange
	2	055-065-58-1-4	1	Ring
	3	M8x30	5	Bolt
	4	ShP 8	5	Washer
	5	72-2209026	1	Mud collector
	6	72-2209022	1	Case
	7	72-2209023	1	Lining
	8	2.2-75x100-1	2	Collar
	9	72-2209013	1	Shaft
	10	72-2209017	1	Bush
	11	72-2209019	3	Disc
	12	72-2209025	10-11	Disc
	13	72-2209027	10	Disc
	14	115	2	Bearing
	15	72-2209012	1	Bush
	16	72-2209018	2	Holder
	17	PK KG 3/8	2	Plug
	18	72-2209011	1	Arm
	19	M10x1	16	Nut
	21	4x25	1	Splint
	22	70-3003032	1	Nut
	23	52-1802079	1	Washer
	24	52-1802078-A	1	Flange
	25	72-2209016-B	1	Washer
	26	038-046-46-1-4	1	Ring
	27	72-2209021	6	Spring
	28	72-2209031	1	Holder
	29	52-2308094	2	Pin
	30	12-12-306	2	Ring
	31	ShP 16	3	Washer
	32	72-2203011	3	Bolt
	33	20-2201024	4	Lining
	34	72-2203023	4	Flange
	35	52-2203012	16	Bolt M10x1
	36	72-2203030-01	4	Crossing
	37	3102-2201037	16	Reflector
	38	72-2203043	16	Stopper ring
	39	69-2201031-A	16	Collar
	40	704702 KZS10	16	Bearing
	41	72-2201018-02	2	Tube
	42	72-2203022	4	Fork

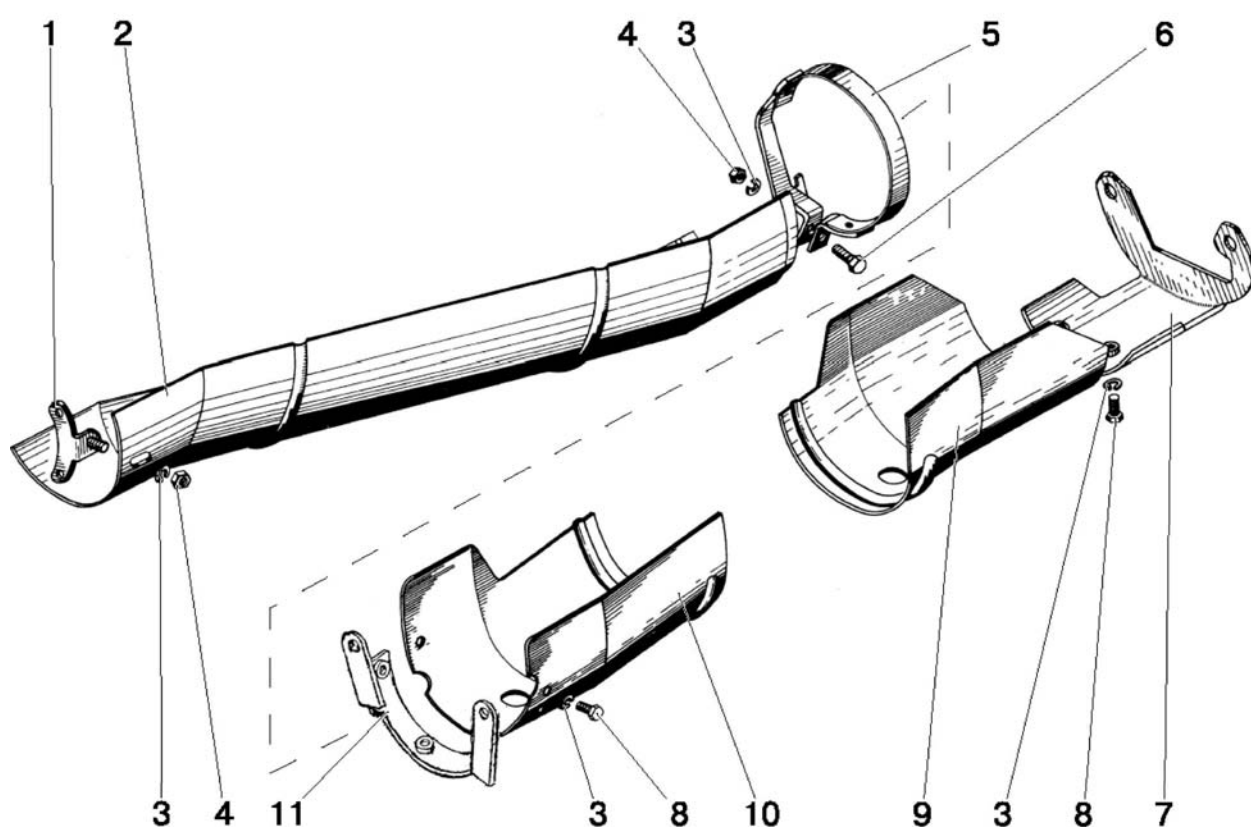


Fig. 22.2. Cardan shaft guard (for tractor Belarus-92)

Group 22. Cardan drive
Subgroup 2210. Cardan shaft guard
(for tractor Belarus-92)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
22.2		72-2203040	1	Cardan shaft guard (1-11)
	1	52-2210040	1	Supporting arm
	2	72-2210013	1	Rear case
	3	ShP 8	8	Washer
	4	M8	2	Nut
	5	72-2210030	1	Clip
	6	M8x40	1	Bolt
	7	52-2210015	1	Arm
	8	M8x16	6	Bolt
	9	52-2210012-A	1	Front case
	10	52-2210017-A	1	Case
	11	72-2210020-A	1	Arm

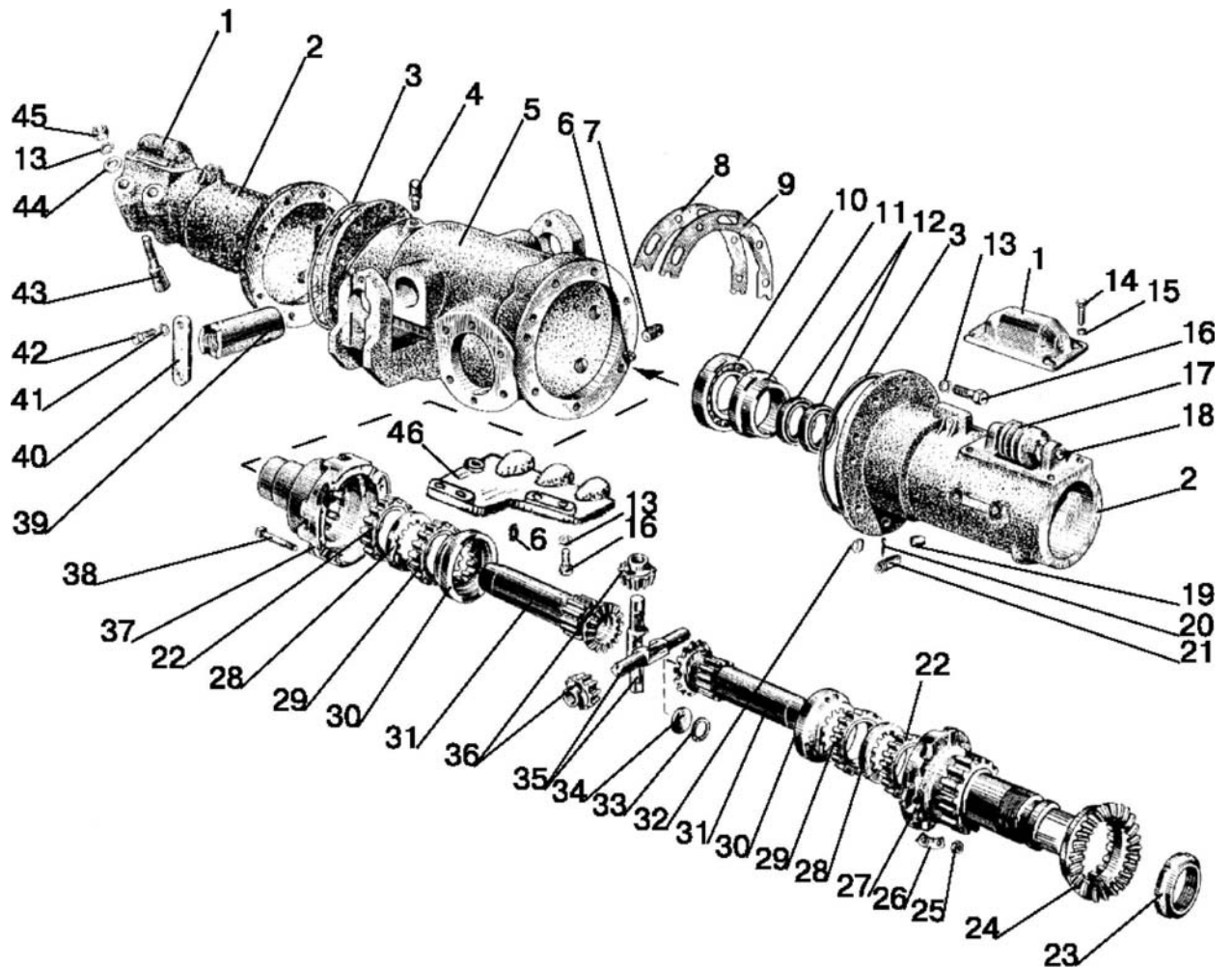


Fig. 23.1. Front driving axle assembly. Body and cover. Differential gear. (For tractor Belarus-92)

Group 23. Front driving axle
Subgroup 2300, 2301, 2303. Front driving axle assembly.
Body and cover. Differential gear. (For tractor Belarus-92)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
23.1		72-2300020-A	1	Front driving axle, reducers 8 pins(1-46, 1-17 fig. 47, 1-68 fig. 48)
		72-2300020-A-01	1	Front driving axle, reducers 5 pins (1-46, 1-17 fig. 47, 1-68 fig. 48)
		52-2301040-B1	2	Holder with gland (11,12)
		52-2303030	2	Pinion (31, 33, 34)
		52-2303010-B	1	Differential gear (22, 25-31, 33-38)
	1	50-3104051	2	Cover
	2	82-2301051	2	Cover
	3	150-155-36-1-4	2	Ring
	4	SU-1/8"-A	1	Breather
	5	72-2301055	1	Body
	6	D01-015	6	Pin
	7	KG 3/4"	2	Plug
	8	52-2303027	16*	Adjusting lining V=0,5 mm
	9	52-2303026	16*	Adjusting lining V=0,2 mm
	10	263212A	2	Bearing
	11	52-2301062-B1	2	Holder of glands
	12	2.45x65-1	4	Collar
	13	ShP 16	21	Washer
	14	M8x14	8	Bolt
	15	ShP 8	8	Washer
	16	M16x40	17	Bolt
	17	52-2301052	2	Screw
	18	52-2301054-A	2	Axle
	19	52-2301067	2	Plug
	20	5x45	2	Splint
	21	82-2301069	2	Pin
	22	52-2303023-A1	2	Disc
	23	52-2302038-A1	1	Nut
	24	52-2302019	1	Driven gear
	25	52-2203013	8	Nut
	26	52-2303032	4	Plate
	27	52-2303014-B	1	Right differential box
	28	52-2303024-01	2	Disc
	29	52-2303023-A1-01	2	Disc
	30	52-2303021	2	Bowl
	31	52-2303017	2	Pinion
	32	82-2301074	2	Plug
	33	52-2303034	2	Lining
	34	35-10	2	Stopper
	35	52-2303019	2	Satellite axle
	36	52-2303018	4	Satellite
	37	52-2303015-B	1	Left differential box
	38	52-2303026-B	8	Bolt
	39	52-2301058-A4	2	Axle

*Maximum quantity

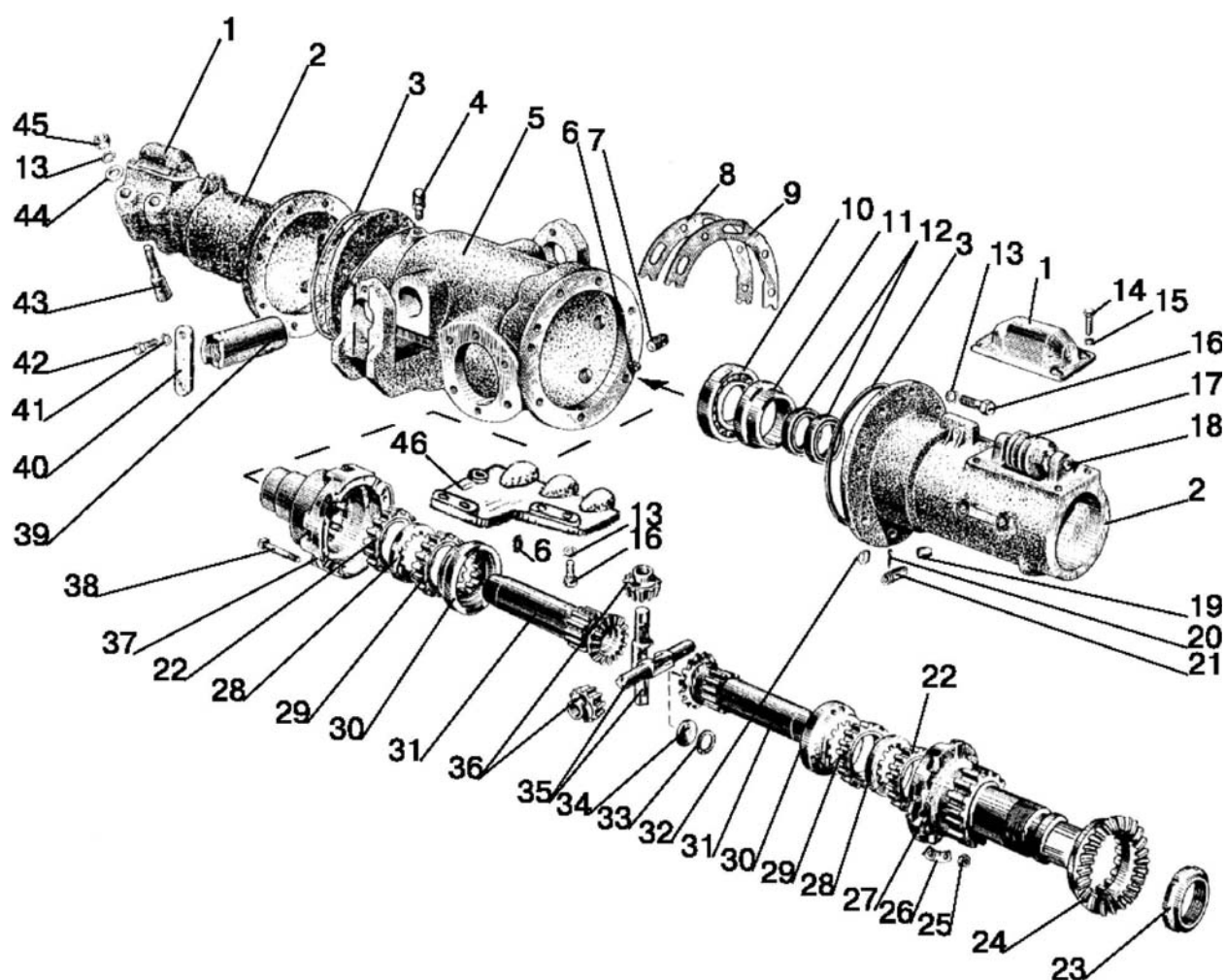


Fig. 23.1. Front driving axle assembly. Body and cover. Differential gear. (For tractor Belarus-92)

Group 23. Front Driving Axle
Subgroup 2300, 2301, 2303. Front Driving Axle Assembly.
Body and Cover. Differential Gear (for the tractor BELARUS-92)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
	40	72-2301059-A1	2	Strip
	41	ShP 12	4	Washer
	42	M12x25	4	Bolt
	43	52-2301056	4	Wedge
	44	52-2301065	4	Washer
	45	M6x1,5	4	Nut
	46	102-2301023-01	1	Bracket

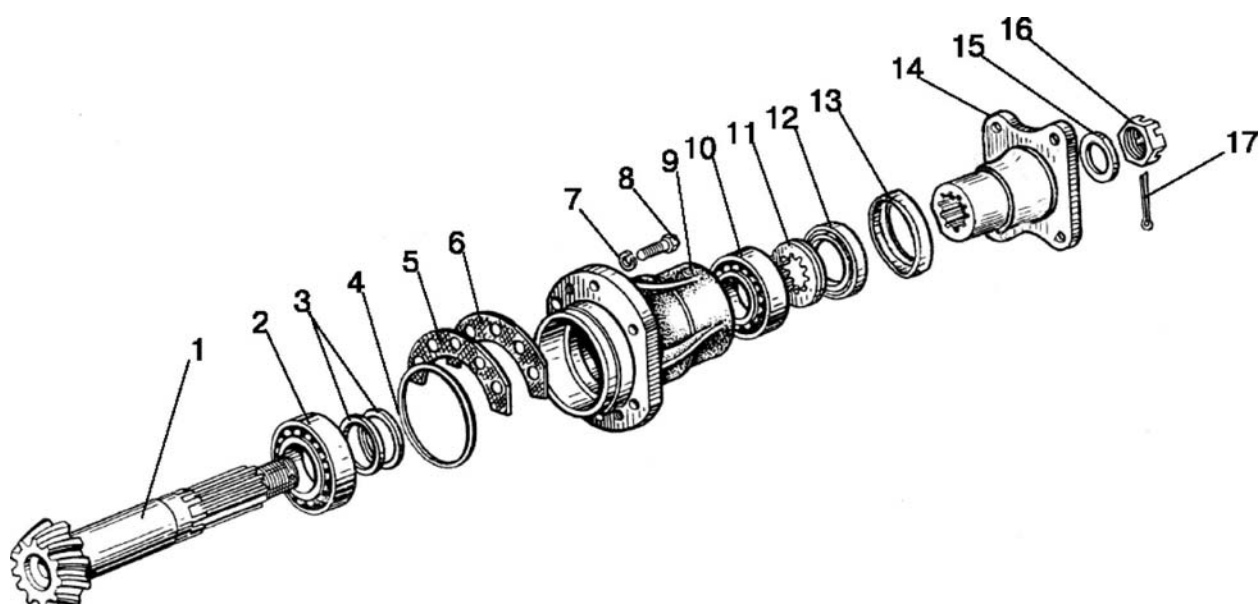


Fig. 23.2. Main gear. (For the tractor BELARUS-92)

Group 23. Front Driving Axle
Subgroup 2302. Main gear. (For the tractor BELARUS-92)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
23.2		52-2302010	1	Driving gear (1-17)
		52-2302030	1	Driving gear and follower gear complete (1 and 24 fig. 46,47) (for spare parts)
	1	52-2302015-A	1	Driving gear
	2	7607A	1	Bearing
	3	52-2302026	*	Adjusting washer
	4	089-095-36-1-4	1	Ring
	5	52-2302021	6(max)	Shim V=0,5 mm
	6	52-2302022	10 (max)	Shim V=0,2 mm
	7	ShP 12	6	Washer
	8	M12x30	6	Bolt
	9	52-2302016-A	1	Sleeve
	10	7506A	1	Bearing
	11	52-2302018	1	Ring
	12	2.2-38x62-1/4	2	Collar
	13	82-2302031	1	Stopper
	14	52-1802078-A	1	Flange
	15	52-1802079	1	Washer
	16	70-3003032	1	Nut
	17	4x25	1	Split pin

* Selection

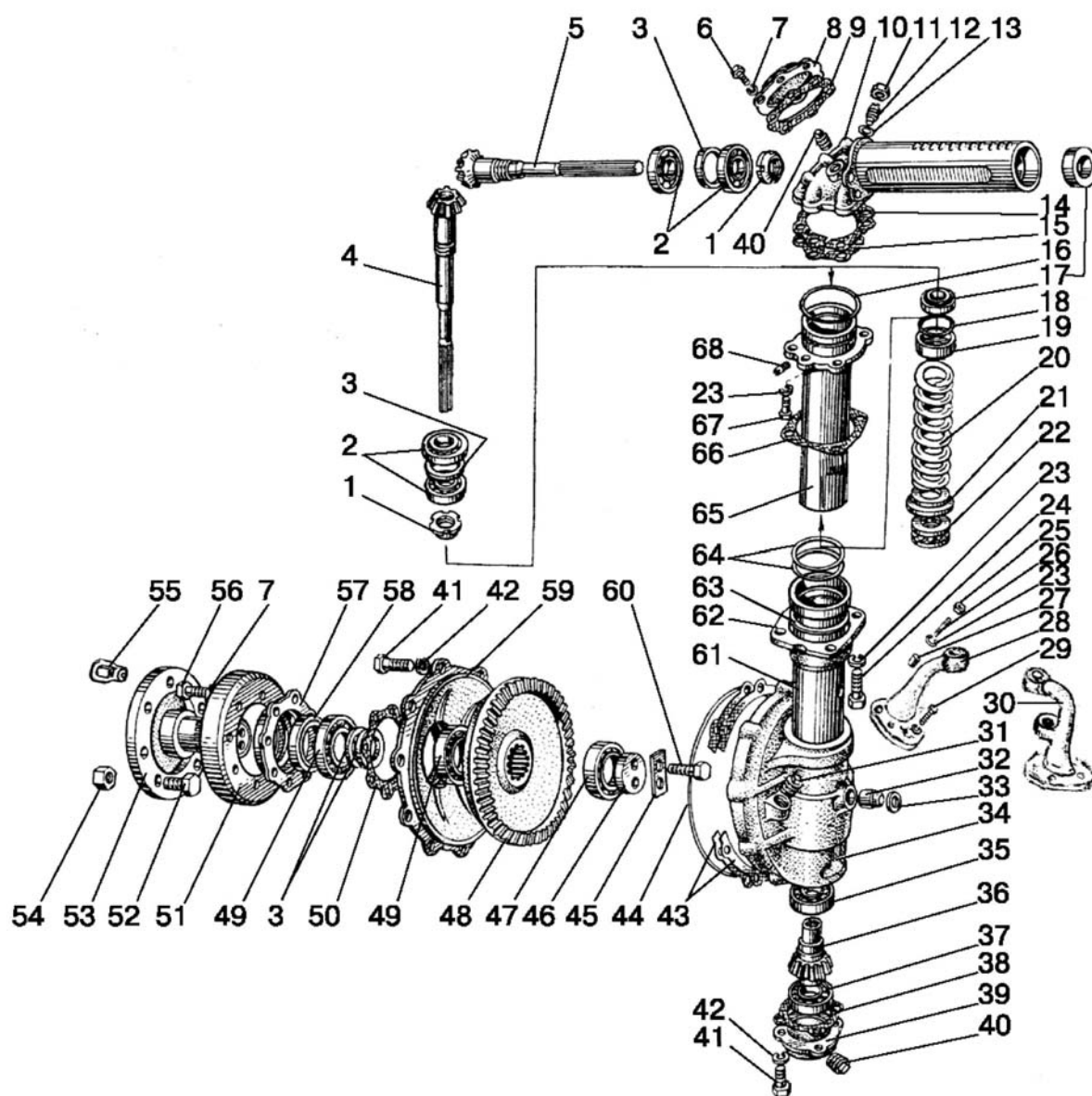


Fig. 23.3. FDA Final Drive Reducing Gear (bevel gear speed reducer).
(For the tractor BELARUS-92)

Group 23. Front Driving Axle
Subgroup 2308. FDA Final Drive Reducing Gear (bevel gear speed reducer).
(for the tractor BELARUS-92)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
23.3		72-2308005	1	Left reducing gear, 5 studs (1-68)
		72-2308005-03	1	Left reducing gear, 8 studs (1-68)
		72-2308010	1	Right reducing gear, 5 studs (1-68)
		72-2308010-03	1	Right reducing gear, 8 studs (1-68)
		72-2308020-B	2	Cover (3, 49, 59)
		72-2308030-A	2	Pipe (18, 19, 65)
		82-2308050	2	Gear wheel(7, 45-53, 56-60)
		82-2308050-03	2	Gear wheel(7, 45-53, 56-60)
		52-2308060	2	Gear wheel(35-37)
		72-2308070	2	Flange (52, 53)
		72-2308070-01	2	Flange (52, 53)
		72-2308090-B	2	Housing (57, 58)
		52-2308100-03	2	Upper bevel gear and pinion (1-19, 23, 24, 40, 65, 67, 68)
		52-2308110-A1	1	Right reducing gear housing (32-34, 61-63)
		52-2308115-A1	1	Left reducing gear housing (32-34, 61-63)
		52-2308135	1	Shaft with bearings (1-4)
		52-2308135-01	1	Shaft with bearings (1-3, 5)
	1	52-2308097	4	Nut
	2	7507 A	8	Bearing
	3	72-2308121	2	Adjusting ring V=5,8 mm
		72-2308121-01	2	Adjusting ring V=5,95 mm
		72-2308121-02	2	Adjusting ring V=6,10 mm
		72-2308121-03	2	Adjusting ring V=6,25 mm
		72-2308121-04	2	Adjusting ring V=6,40 mm
		72-2308121-05	2	Adjusting ring V=6,55 mm
		72-2308121-06	2	Adjusting ring V=6,70 mm
		72-2308121-07	2	Adjusting ring V=6,85 mm
		72-2308121-08	2	Adjusting ring V=7,00 mm
		72-2308121-09	2	Adjusting ring V=7,15 mm
		72-2308121-10	2	Adjusting ring V=7,30 mm
		72-2308121-11	2	Adjusting ring V=7,45 mm
	4	52-2308063	2	Shaft
	5	52-2308065	2	Axle shaft
	6	M8x14	12	Bolt
	7	ShP 8	12	Washer
	8	52-2308030-A	2	Cover
	9	52-2308028-A1	4	Gasket
	10	52-2308025	2	Housing
	11	M10	2	Nut
	12	72-2308046	2	Screw
	13	52-2308077	2	Gasket
	14	52-2308038	12	Shim V=0,5 mm
	15	52-2308039	8	Shim V=0,2 mm
	16	095-100-30-2-4	2	Ring
	17	2.2-30x52-1	8	Collar
	18	52-2308054-A	2	Gasket
	19	52-2308089-A	2	Casing
	20	50-3001022-A1	2	Spring
	21	72-2308098-A	2	Washer
	22	8208	2	Bearing
	23	ShP 12	18	Washer
	24	M12x40	8	Bolt
	25	M12	6	Nut

It is selected by
bearing adjustment

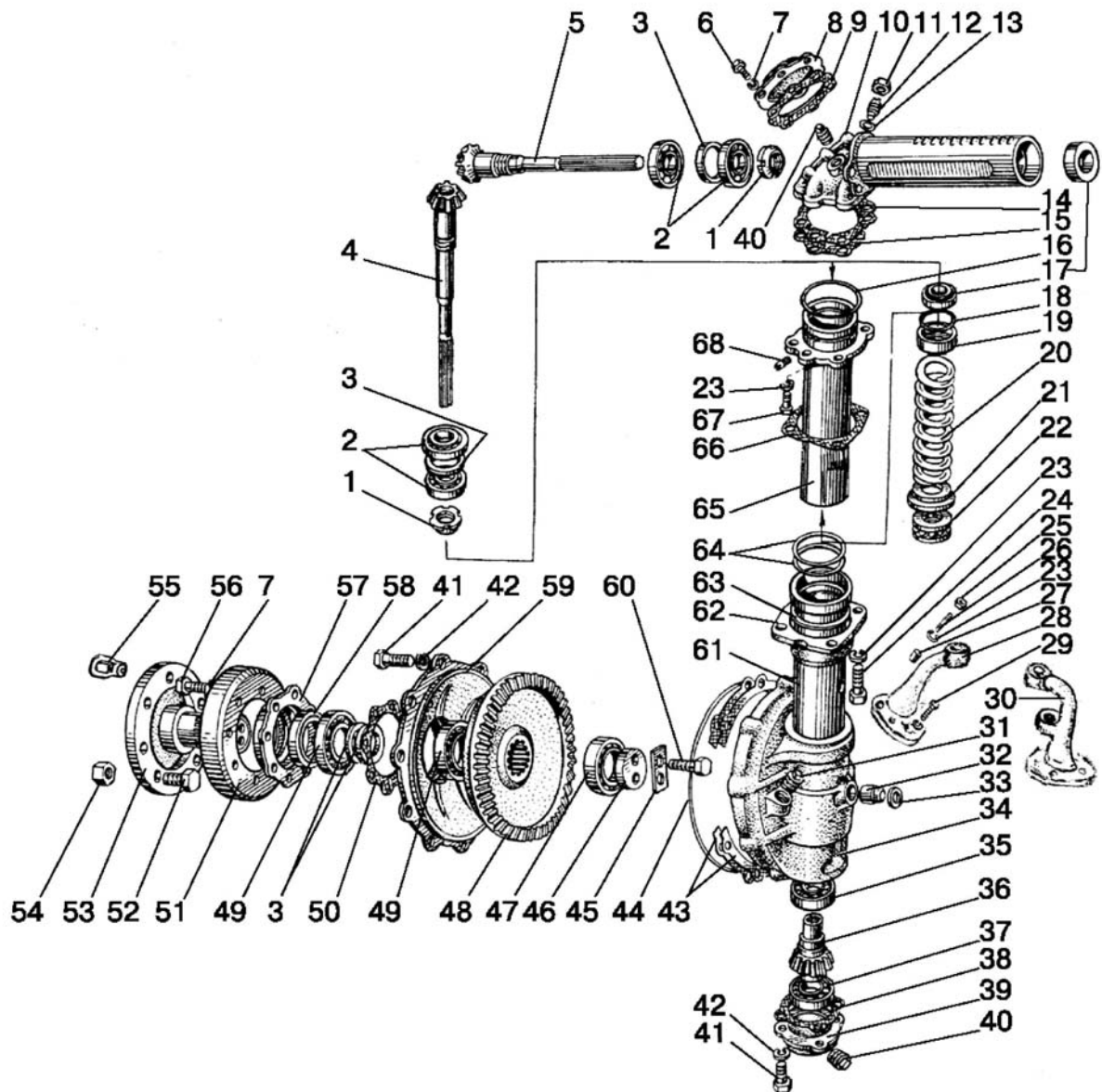


Fig. 23.3. FDA Final Drive Reducing Gear (bevel gear speed reducer).
(For the tractor BELARUS-92)

Group 23. Front Drive Axle
Subgroup 2308. FDA Final Drive Reducing Gear (bevel gear speed reducer).
(for the tractor BELARUS-92)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
23.3	26	72-2308004	6	Stud
	27	72-2308009	6	Bush
	28	72-2308074	1	Right lever
	29	M12x35	4	Bolt
	30	72-2308075-01	1	Left lever
	31	KG 1/4"	2	Plug
	32	52-2308099	2	Pin
	33	011-014-19-2-4	2	Ring
	34	52-2308014-A2	1	Right housing
		52-2308015-A2	1	Left housing
	35	208	2	Bearing
	36	52-2308061	2	Gear wheel
	37	209	2	Bearing
	38	52-2308024	2	Gasket
	39	52-2308035	2	Cover
	40	KG 3/8"	4	Plug
	41	M10x25	28	Bolt
	42	ShP 10	28	Washer
	43	72-2308021-B	16	Shim V=0,5 mm
		72-2308021-B-01	4	Shim V=0,8 mm
	44	290-300-58-2-4	2	Ring
	45	72-2308013	2	Plate
	46	72-2308031	2	Washer
	47	2310 KM	2	Bearing
	48	72-2308062	2	Gear wheel
	49	263212A	4	Bearing
	50	72-2308023-B	2	Gasket
	51	72-2308029-B	2	Mud collector
	52	40-3103016	16	Bolt
	53	82-2308017	2	Flange (8 studs)
		72-2308017	2	Flange (5 studs)
	54	40-3103017	16	Washer
	55	70-3104019-01	2	Special (technical) nut
	56	M8x25	10	Bolt
	57	72-2308066-B	2	Oil-seal housing
	58	2.2-75x100-1	2	Collar
	59	72-2308016-B	2	Cover
	60	72-2308018	4	Bolt
	61	52-2308084-A1	2	Bush
	62	52-2308101	2	Housing
	63	72-2308044	2	Washer
	64	52-2308091-A	4	Ring
	65	72-2308030-A	2	Pipe of centre pin
	66	52-2308096	2	Gasket
	67	M12x35	4	Bolt
	68	72-2308011	4	Screw

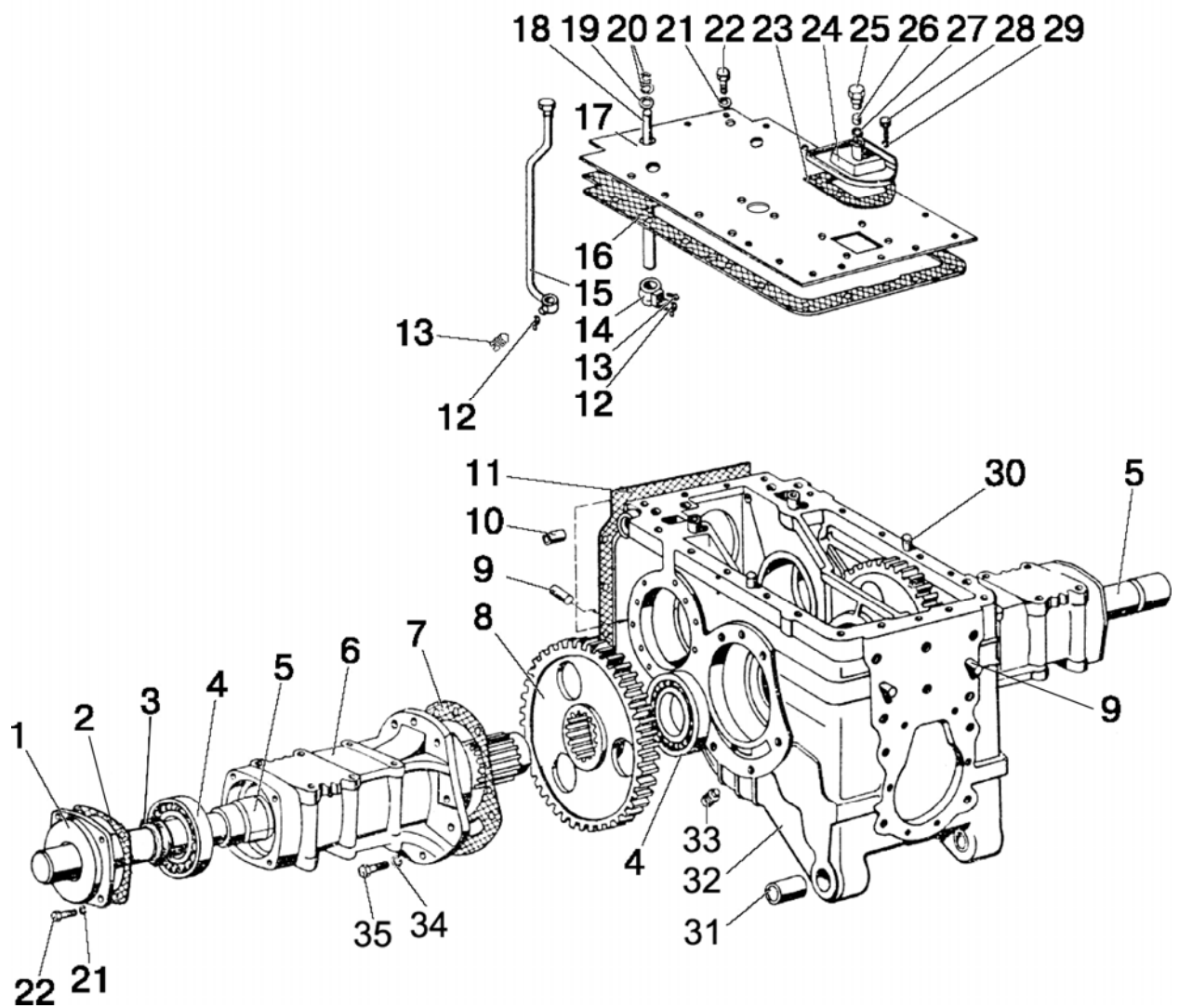


Fig. 24.1. Rear Axle Body. Final Drive

Group 24. Rear Axle
Subgroup 2401, 2407.Rear Axle Body. Final Drive

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
24.1		70-2401010	1	Rear axle (1-10, 12-14, 18-23, 31, 32, 34-36) (fig. 24.2: 1-5, 8-20)
		50-2401015	1	Body (9, 10, 31, 32)
		50-2401060-A	1	Cover with ventilation valve (24-27)
		50-2407020-A	2	Axle shaft housing (1-6, 21,22, 37)
		50-2401040	1	Control shaft (18-20)
		50-2407030	2	Hose cover (1-3)
	1	50-2407028	2	Cover
	2	080-088-46-2-4	2	Ring
	3	2.2-80x105-1	2	Collar
	4	217A	4	Bearing
	5	50-2407082-A-01	2	Axle shaft
	6	50-2407018	2	Axle shaft housing
	7	50-2407031-B	4	Gasket
	8	50-2407122	2	Gear wheel
	9	50-4605027	4	Pin
	10	36-3502037-A	2	Shaft
	11	50-2401016-B	2	Gasket
	12	1,6x200	2	Gasket
	13	36-1702110	2	Screw
	14	50-2401020	1	Carrier
	15	80-2401050	1	Shank
	16	50-2401025-A	1	Gasket
	17	70-2401024	1	Cover
	18	50-2401019-B	1	Roller
	19	020-025-30-1-4	1	Ring
	20	50-2401031	2	Washer
	21	ShP 12	17	Washer
	22	M12x30	17	Bolt
	23	52-2401027-A	1	Gasket
	24	50-2401070-A	1	Cover
	25	50-4608059	1	Ventilation valve plug
	26	50-4608063	1	Filter
	27	50-4608062	1	Washer
	28	M8x16	4	Bolt
	29	ShP 8	4	Washer
	30	D01-015	2	Pin
	31	50-2401032	2	Bush
	32	50-2401015-1	1	Housing
	33	70-1701300	1	Drain plug 1 1/4"
	34	ShP 16	14	Washer
	35	M16x50	13	Bolt
	36	50-2407029	2	Gasket

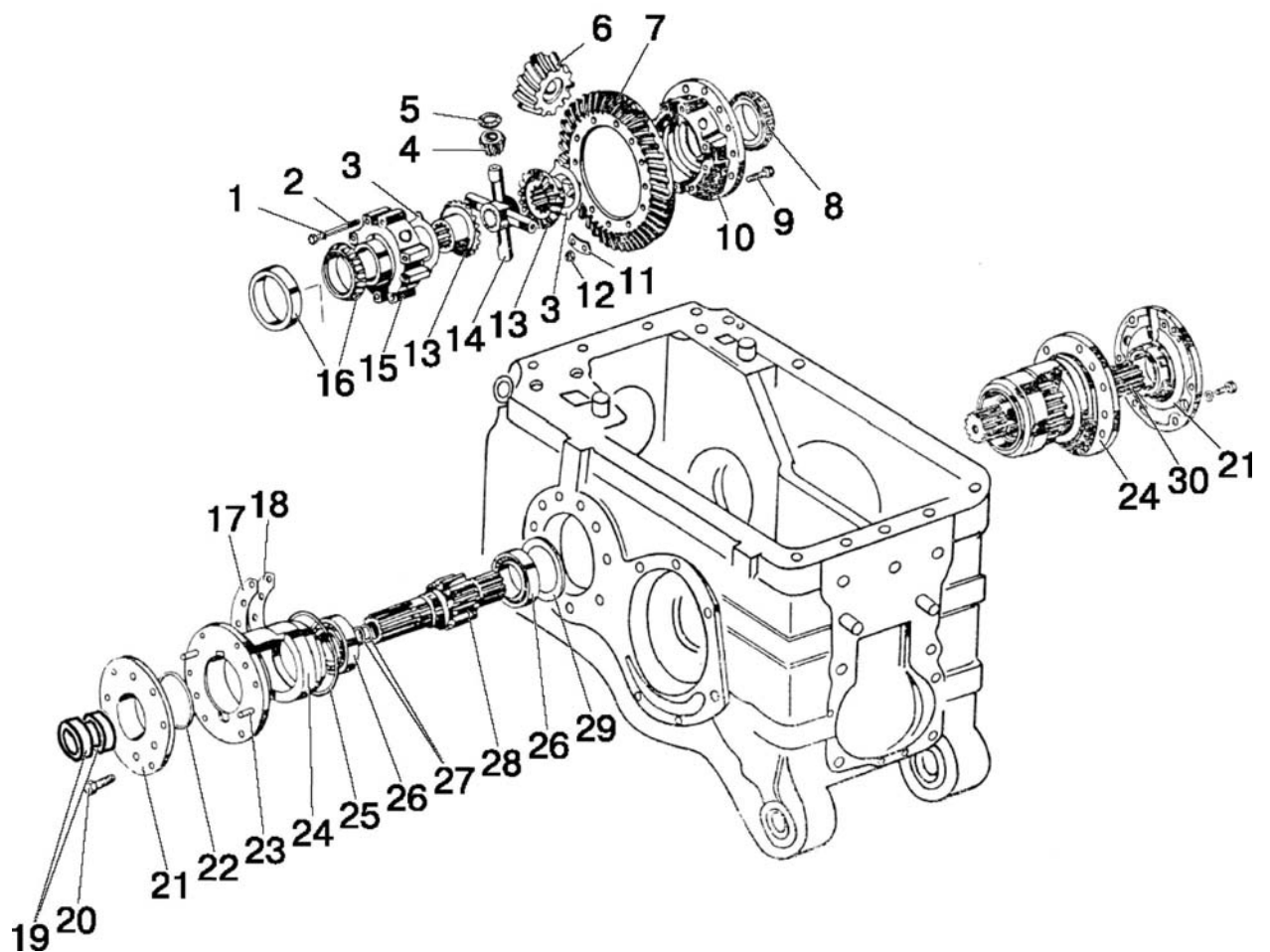


Fig. 24.2. Differential Gear. Bearing Cage

Group 24. Rear Axle
Subgroup 2403. Differential Gear. Bearing Cage

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
24.2		85-2403020	1	Differential gear(1-5, 9-15)
		50-2403014	1	Gear wheel set (6, 7)
		50-2407050-A-01	2	Cage cover (19, 21,22)
		85-2403015	1	Differential housing (10,15)
		70-2407060	1	Left cage (24-29)
		70-2407060-01	1	Right cage (24-27, 29, 30)
	1	ShP 12	8	Washer
	2	50-2403034-A	8	Bolt
	3	50-2403049-B	2	Support washer
	4	85-2403055	4	Planet wheel with bush
	5	85-2403025	4	Planet wheel washer
	6	50-1701105-B	1	Driving gear
	7	50-2403021-B	1	Follower gear
	8	7515A	1	Bearing
	9	50-1702092	12	Dowel bolt
	10	85-2403018	1	Housing
	11	50-2403023	6	Locking Plate
	12	M12	12	Nut
	13	50-2403048	2	Axle shaft gear
	14	50-2403062-A2	1	Spider
	15	85-2403019	1	Cover
	16	7215A	1	Bearing
	17	50-2407056	14	Gasket 0,5 mm
	18	50-2407057	10	Gasket 0,2 mm
	19	KFA-50x70	4	Collar 50x70
	20	M12x25	4	Bolt
	21	85-2407059	2	Cage cover
	22	CS110-1414045-4	2	Ring
	23	50-1601352	4	Pin
	24	50H-2407042	2	Cage
	25	160-165-36-1-4	2	Ring
	26	42212 KM	4	Bearing
	27	035-040-30-1-4	4	Ring
	28	70-2407053	1	Left gear wheel
	29	85-2407043	2	Ring
	30	70-2407053-01	1	Right gear wheel

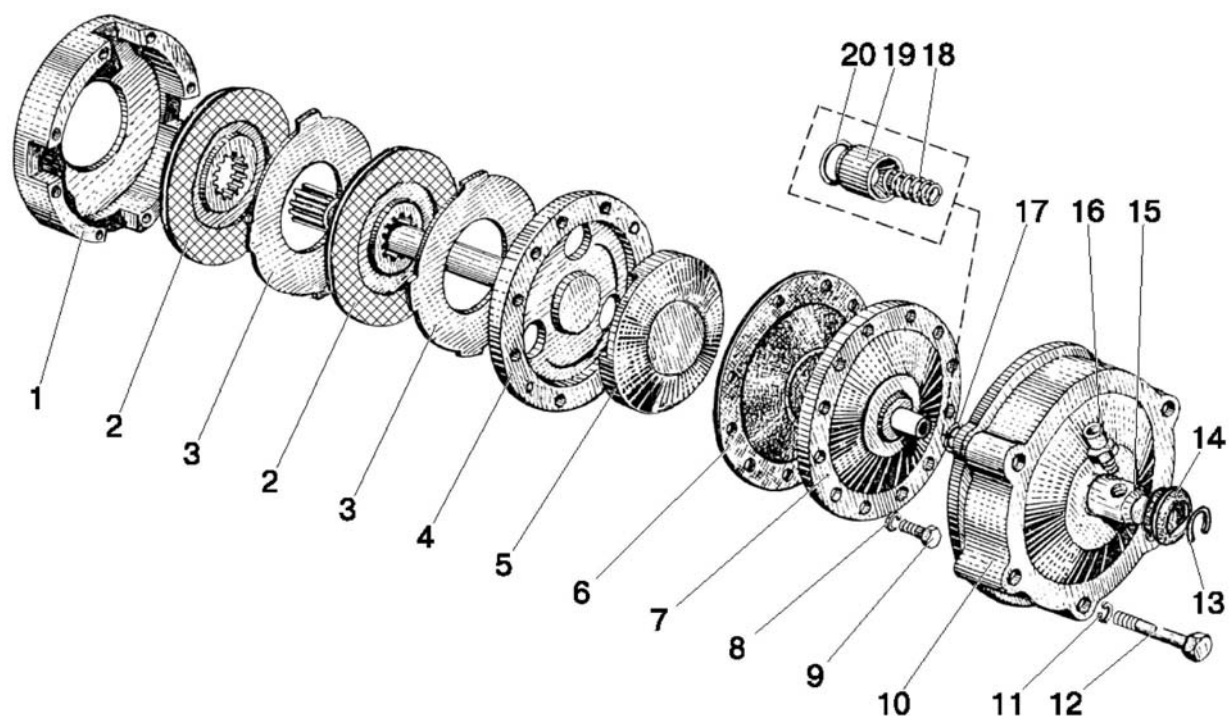


Fig. 24.3. Differential Lock

Group 24. Rear Axle
Subgroup 2409. Differential Lock

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
24.3		70-2409010-B	1	Lock clutch (1-9)
		82R-2409050	1	Adapter(10, 13-20)
	1	70-2409015-A	1	Clutch body
	2	70-3502040-01 or 70-3502040-04	2	Brake disk
	3	70-2409028	2	Release disk
	4	70-2409020	1	Interlock shaft
	5	70-2409018	1	Pressure disk
	6	70-2409021	1	Diaphragm
	7	70-2409030-B	1	Diaphragm cover
	8	ShP 8	8	Washer
	9	M8x40	8	Bolt
	10	70-2409035-A6	1	Casing
	11	ShP 12	5	Washer
	12	M12x200	5	Bolt
	13	S40	1	Ring
	14	82R-2409036-A	1	Packing
	15	70-2409026-B	1	Adapter
	16	70-2409037	1	Connector
	17	020-025-30-1-4	1	Ring
	18	54-06-448-A	1	Spring
	19	70-2409027-A	1	Bush
	20	70-2409033-B	1	Ring

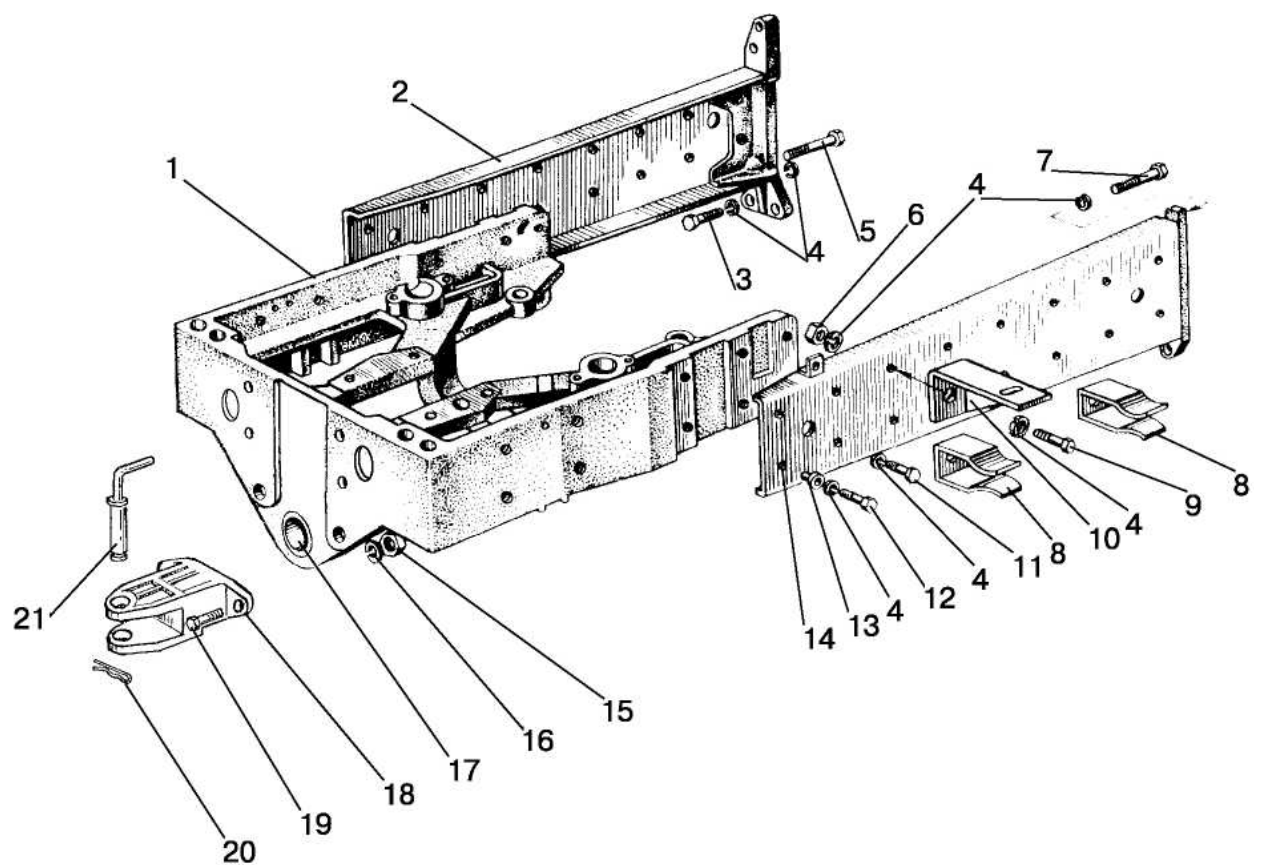


Fig. 28.1. Semi-Frame

Group 28. Frame
Subgroup 2801. Semi-frame

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
28.1		80-2800010	1	Semi-Frame(1, 2, 11-14, 17)
		70-2801120-A1-01	1	Front beam (1, 17)
		80-2806010*	1	Front tow (15, 16, 18, 19)
	1	50-2801124-A2	1	Front beam
	2	80-2801050	1	Right side member
	3	M16x60	6	Bolt
	4	ShP 16	25	Washer
	5	70-2800016-01	2	Bolt
	6	M16	1	Nut
	7	70-2800016	2	Bolt
	8	50-3913214	2	Clamp
	9	M16x32	2	Bolt
	10	80-3919106	2	Bracket
	11	M16x32	8	Bolt
	12	M16x45	4	Bolt
	13	50-2800011	4	Bush
	14	80-2801060	1	Right side member
	15	M20*	2	Nut
	16	ShP 20*	2	Washer
	17	40-3001022	2	Bush
	18	80-2806011*	1	Front tow
	19	70-4605036*	2	Bolt
	20	A61.07.001*	2	Split pin
	21	50-4605079-B*	1	Center pin

* Are mounted if there is no front ballast

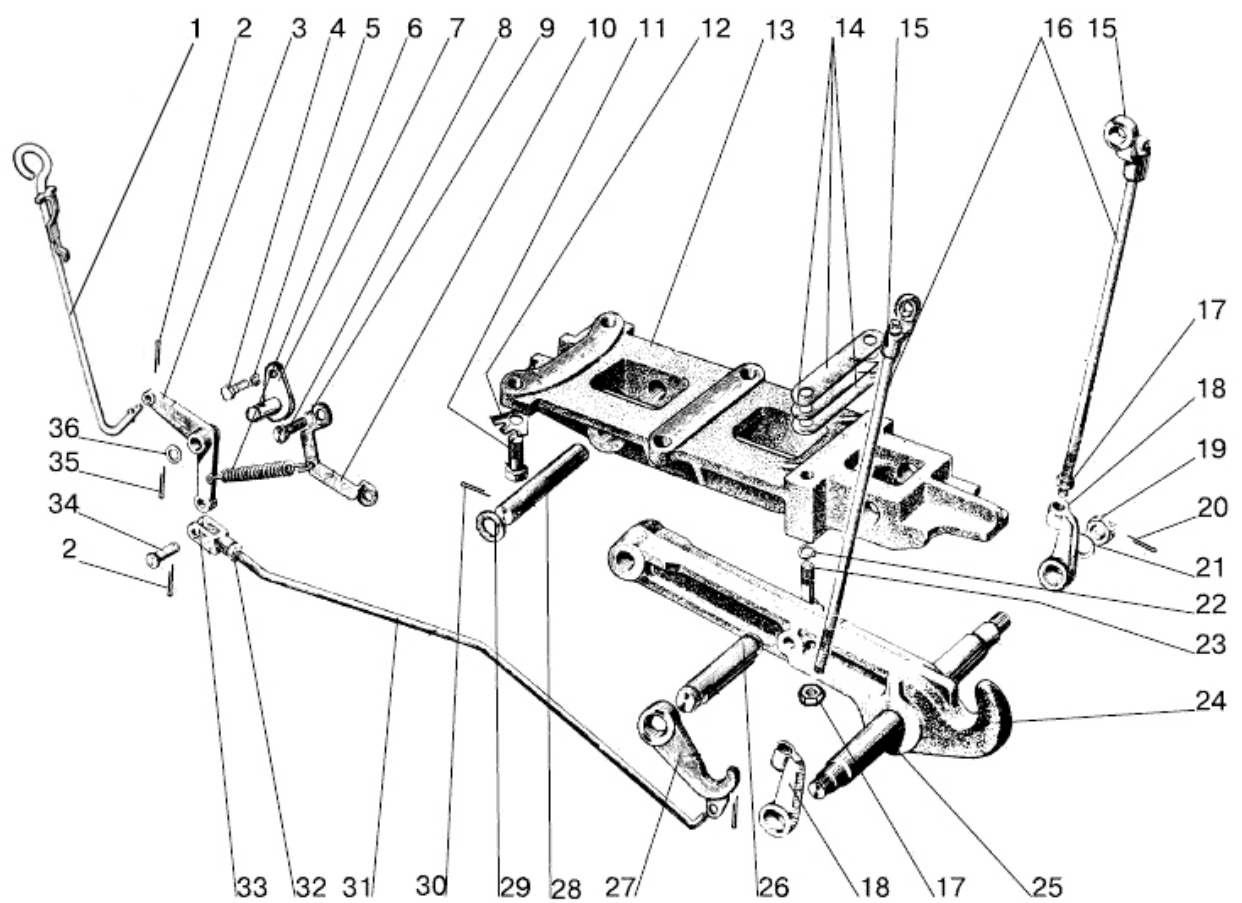


Fig. 28.2. Hydraulic Trailing Hook

Group 28. Frame
Subgroup 2807. Hydraulic Trailing Hook

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
28.2		70-2807010-A-01	1	Trailing hook (1-36)
		80-2807040	1	Rod (31-33)
		80-2807070	1	Hook (24, 25)
	1	70-2807080-B	1	Handle
	2	3,2x18	3	Split pin
	3	70-2807079	1	Handle
	4	M10x20	1	Bolt
	5	ShP 10	1	Washer
	6	50-1605152	1	Spring
	7	70-1602120-B	1	Axle flange
	8	M16x50	2	Bolt
	9	ShP 16	2	Washer
	10	70-2807081	1	Bracket
	11	40-3104021	4	Bolt
	12	70-2807044	4	Washer
	13	80-2807014	1	Bracket
	14	70-2807039	2	Plate 1,0 mm
		70-2807039-01	1	Plate 0,5 mm
		70-2807039-02	2	Plate 0,2 mm
	15	70-2807051	2	Link
	16	70-2807052-B	2	Screw
	17	40-3405062	2	Nut
	18	70-2807053-B	2	Tie rod nut
	19	M20	2	Nut M20x1,5
	20	4x36	2	Split pin
	21	ShCh 20	2	Washer
	22	ShP 18	2	Washer
	23	80-2807026	2	Bolt
	24	80-2807011	1	Hook
	25	50-2807016	1	Hook pin
	26	70-2807047	1	Axle
	27	80-2807077	2	Grip
	28	50-2807013-B	1	Axle
	29	36-3503018	2	Washer
	30	6,3x36	2	Split pin
	31	70-2807043-B	1	Rod
	32	M12x1,25	2	Nut
	33	50-3502203	1	Fork plate
	34	12x32	1	Pin
	35	3,2x25	1	Splint pin
	36	ShCh 16	1	Washer

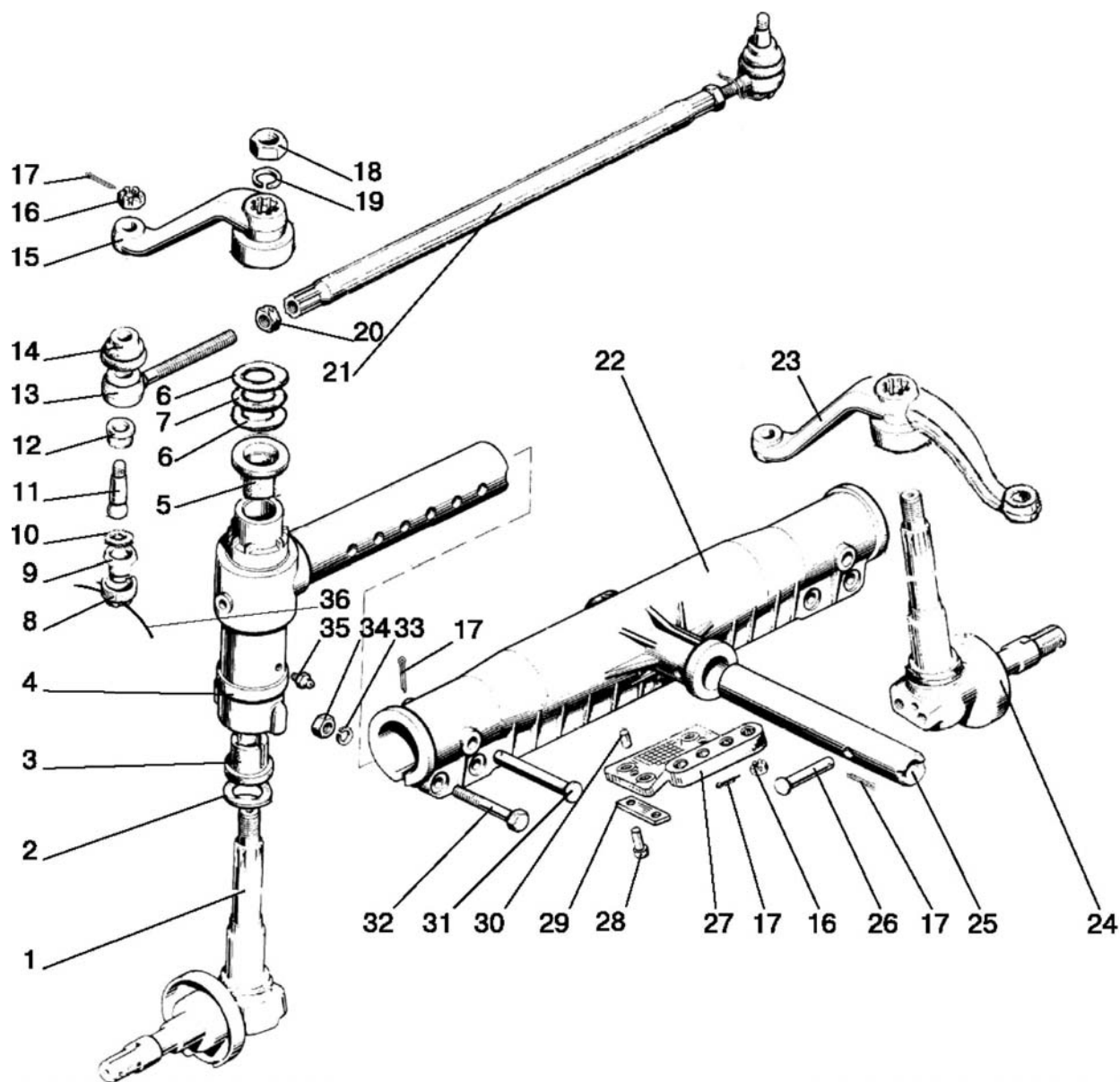


Fig. 30.1. Front Axle and Steering Link (for the tractor BELARUS-90)

Group 30. Front Axle
Subgroup 3000. Front Axle and Steering Link (for the tractor BELARUS-90)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
30.1		80-3000030-03	1	Front axle (1-7,15,18,19, 22-35)
		1220-3003010	1	Steering link (8-14,16,17, 20, 21)
	1	80-3001065-01	1	Right steering knuckle
	2	070-080-58-2-2	2	Ring
	3	70-3001101-A	2	Bush
	4	80-3001070	2	Extended knuckle
	5	70-3001102-A	2	Bush
	6	80-3001032	4	Washer
	7	80-3001031	2	Washer
	8	50-3003018-B	2	Plug
	9	1220-3003028	2	Lower shell
	10	1220-3003027	2	Shell
	11	1220-3003021	2	Ball pin
	12	1220-3003023	2	Upper shall
	13	1220-3003022	1	Hinge housing with right treat
		1220-3003022-01	1	Hinge housing with left treat
	14	1220-3003029	2	Ring
		1220-3003025	2	Hood
	15	70-3001040	1	Right lever
	16	M20x1,5	4	Nut
	17	4x36	7	Split nut
	18	50-3001087	2	Nut
	19	27L	2	Washer
	20	1220-3003013	1	Check-nut with right treat
		1220-3003013-01	1	Check-nut with left treat
	21	1220-3003011	1	Pipe
	22	50-3001010-A-01	1	Front axle
	23	70-3001040-01	1	Left lever
	24	80-3001065	1	Left steering knuckle
	25	50-3000011	1	Fulcrum pin
	26	16x80	1	Pin
	27	F80-3001011	1	Bracket
	28	M16x40	4	Bolt
	29	F80-3001013	2	Plate
	30	D01-015	2	Pin
	31	6-20M 1x120	2	Axle
	32	M18x100	4	Bolt
	33	ShP 18	4	Washer
	34	M18x1,5	4	Nut
	35	1.3 C9hr	2	Oiler
	36	2,0x270	2	Wire

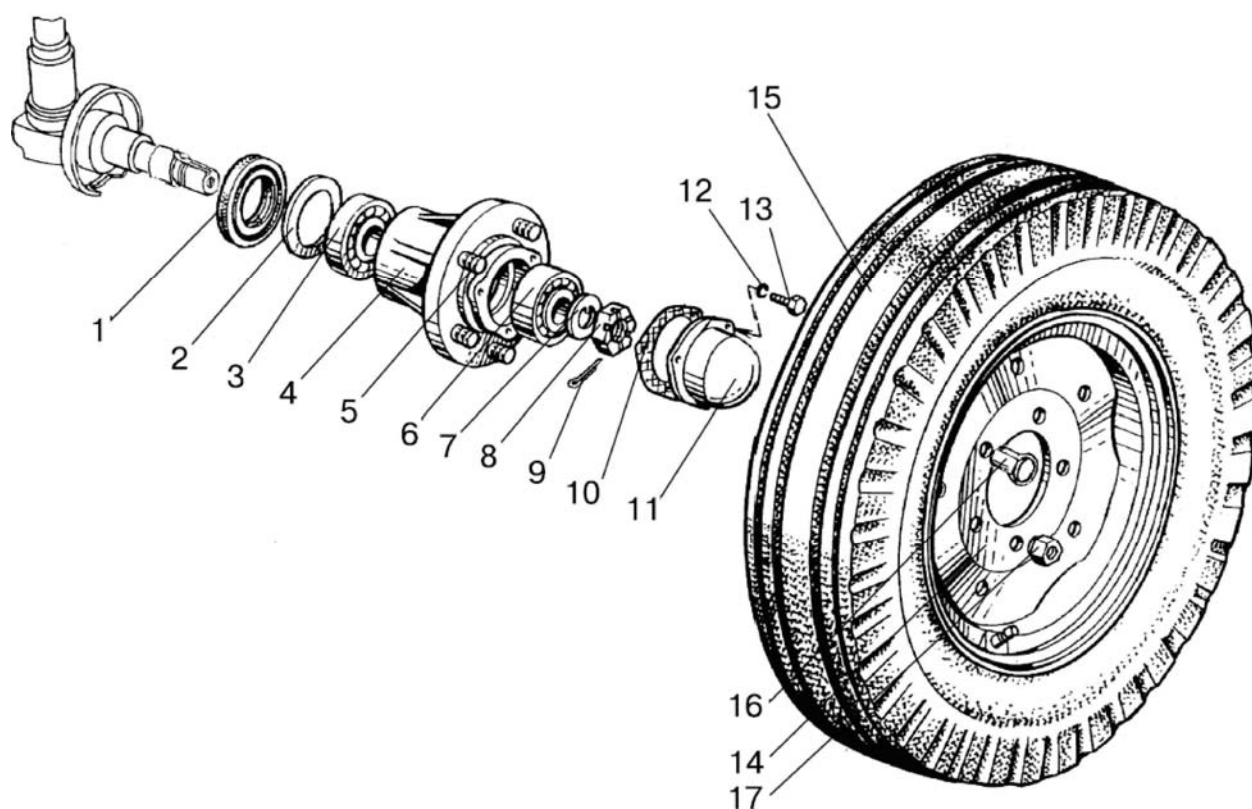


Fig. 31.1 Front Driving Wheels. Front Wheel Hubs. (For the tractor BELARUS-90)

Group 31. Wheels and Hubs
Subgroup 3101, 3103. Front Driving Wheels.
Front Wheel Hubs. (For the tractor BELARUS-90)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
31.1		70-3103010-A	2	Front wheel hub (1-6)
	1	2.2-80x105-1	2	Cotter
	2	A04.03.020	2	Washer
	3	7609A	2	Bearing
	4	A04.03.21	2	Hub
	5	40-3103016	10	Bolt
	6	7608A1	2	Bearing
	7	A04.03.019	2	Washer
	8	50-1701253-01	2	Nut
	9	5x45	2	Split pin
	10	A04.03.014	2	Shim
	11	A04.03.013-A	2	Cover
	12	ShP 8	6	Washer
	13	M8x16	6	Bolt
		70-3100210-02	2	Wheel 9,00-20 (wheel tire assy) (14, 15)
	14	5,50F-20-3101020 or 40-3101010-A3	2	Wheel 5,50F-20 (disk and rim)
	15		2	Tire 9,00-20 model VF-223 or 9,00R20 model Bel-311
	16	70-3104019-01	2	Special nut (technical)
	17	40-3103017-01	8	Nut

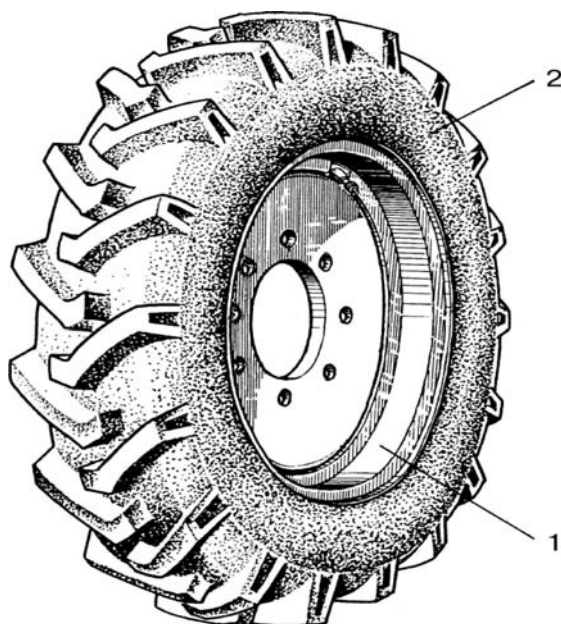


Fig. 31.2. Front Driving Wheels (for the tractor BELARUS-92)

Group 31. Wheels and Hubs
Subgroup 3101. Front Driving Wheels (for the tractor BELARUS-92)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
31.2		82-3101015	2	Wheel 11,2-20 (wheel tire in assy) (1, 2)
	1	W9-20-3101020-A	2	Wheel W9-20 (disk and rim, Wheel disk with 8 holes)
	2		2	Tire 11,2-20 or 11,2R20
		82-3101015-02	2	Wheel 11,2-20 (wheel tire in assy) (1, 2)
	1	W9-20-3101020-A-01	2	Wheel W9-20 (disk and rim, Wheel disk with 5 holes)
	2		2	Tire 11,2-20

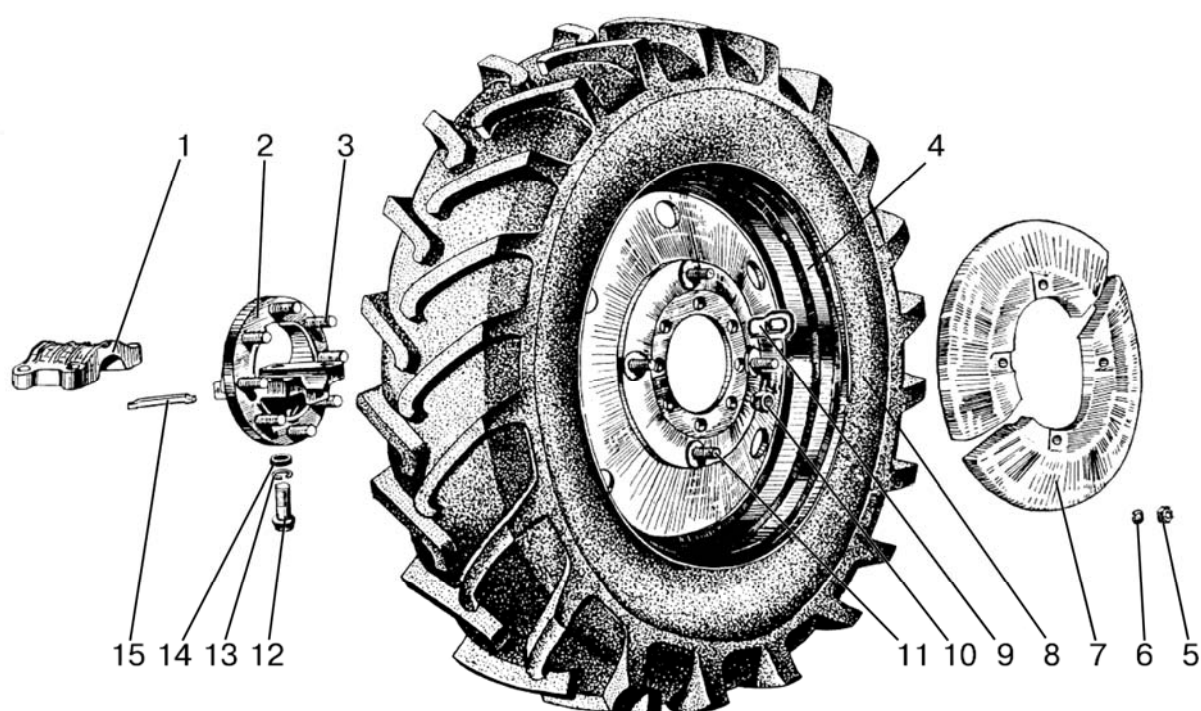


Fig. 31.3.Rear Wheels. Rear Wheel Hubs.

Group 31. Wheels and Hubs
Subgroup 3104, 3107. Rear wheels. Rear wheel hubs.

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
31.3		70-3100220-A	2	Wheel 15,5R38 (wheel tire in assy) (4, 8)
	1	70-3104025	2	Bush
	2	50-3104015	2	Hub
	3	40-3104021	16	Bolt
	4	DW14L-38-3107020	2	Ring DW14L-38 (disk and rim)
	5	M16	8	Nut
	6	ShP 16	8	Washer
	7	50-3107018-A	4	Load (optional)
	8		2	Tire 15.5R38
	9	70-3104019	2	Special nut (technical)
	10	36-3104019	14	Nut
	11	7-34-108	8	Bolt
	12	50-3104028	8	Bolt
	13	27L	8	Washer
	14	50-3104029	8	Ball washer
	15	50-3104016	2	Cotter

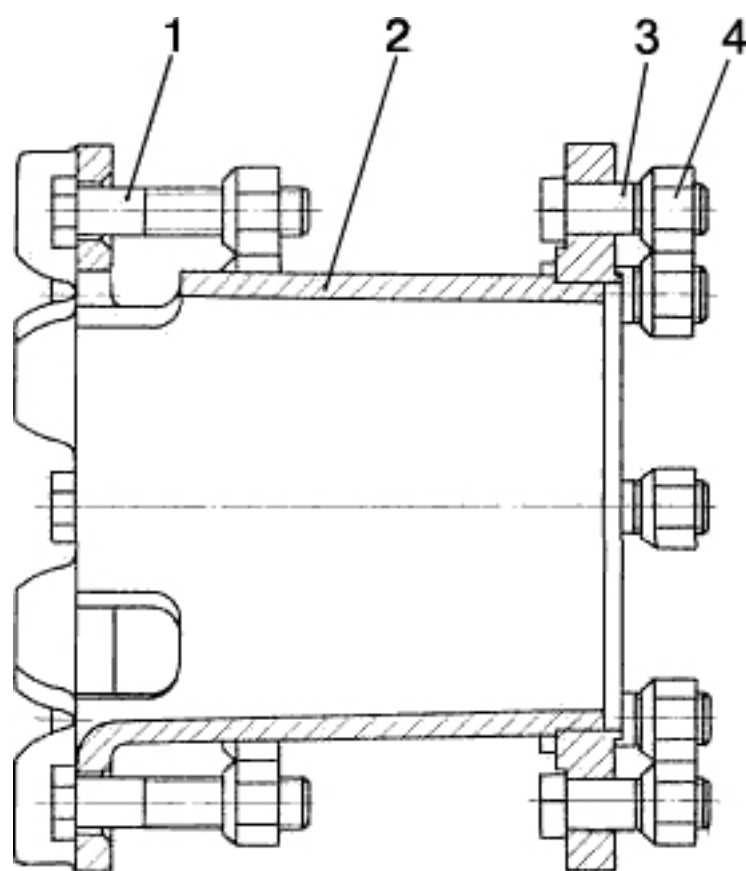


Fig. 31.4. Spacer (for doubling of rear wheels)

Group 31. Wheels and Hubs
Subgroup 3109. Spacer (for doubling of rear wheels)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
31.4		70-3109030	2	Spacer (1-4) (for wheels 15,5R38; 9,5-42)
	1	70-3109034	16	Bolt
	2	70-3109035	2	Spacer (for wheels 15.5R38; 9,5-42)
	3	40-3104021	16	Bolt
	4	36-3104019	32	Nut

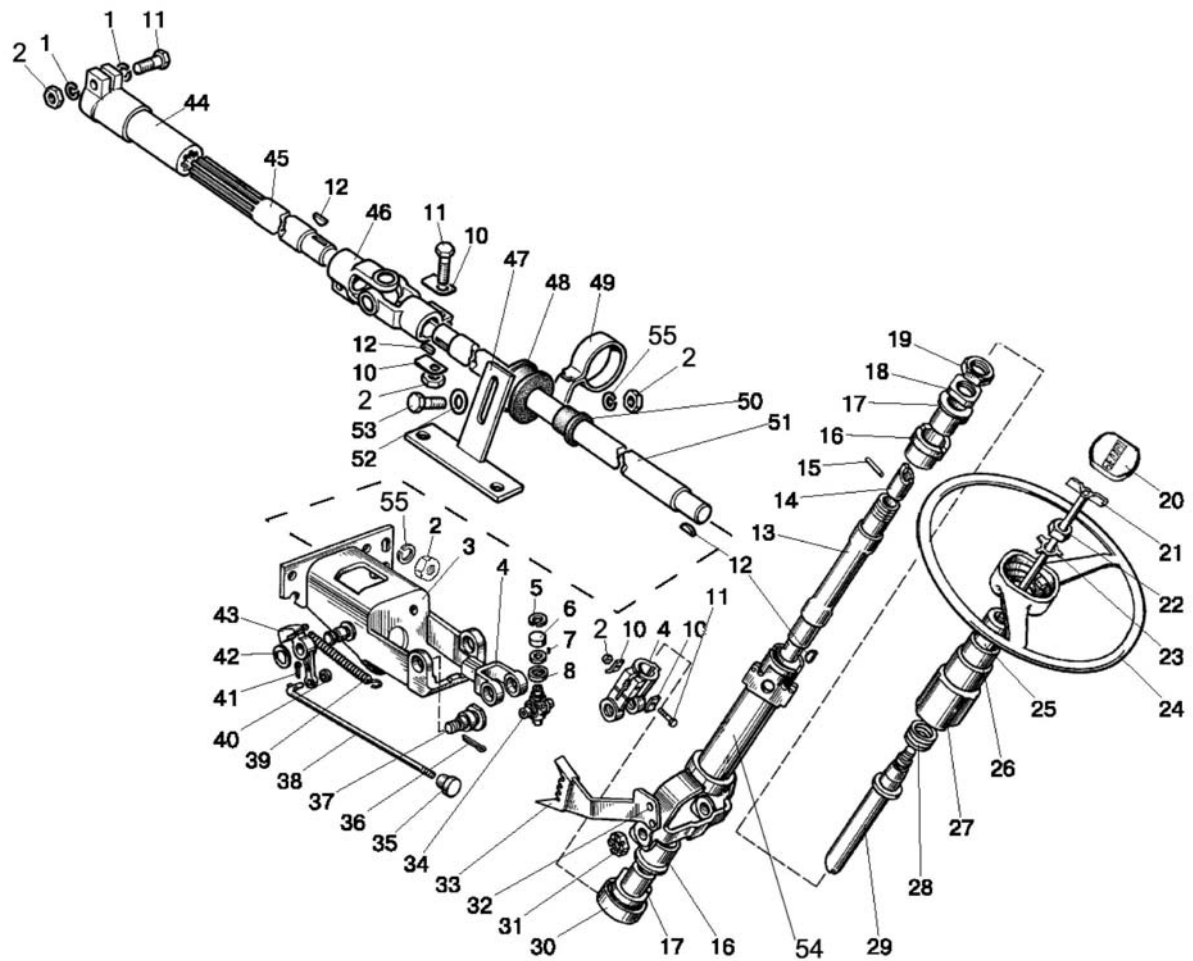


Fig. 34.1. Steering Drive

Group 34. Steering
Subgroup 3401. Steering Drive

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
34.1		50A-3401010	1	Steering column (3-19, 30-34, 36, 37, 39, 42-46, 48-51, 54)
		70-3401050-B	1	Shaft (13-15)
		50-3401060	1	Cardan (4-8, 34)
	1	10L	2	Washer
	2	M10	10	Nut
	3	85-3401120-02	1	Bracket
	4	50-3401061-A	2	Fork
	5	V19	4	Ring
	6	904700US17	4	Bearing
	7	50-3401064	4	Gland
	8	50-3401063	4	Casing
	10	80-3401013	8	Washer
	11	M10x45	5	Bolt
	12	SSh-510	4	Key
	13	70-3401055	1	Intermediate shaft
	14	70-3401054-B	1	Tail
	15	8x36	1	Pin
	16	70-3401077-V	2	Shock absorber
	17	70-3401076	2	Bush
	18	70-3401078	1	Nut
	19	70-3401079	1	Check nut
	20	80-3401082	1	Cover
	21	80-3401140	1	Clamp
	22	M16x1,5	1	Nut
	23	50-3401091	1	Washer
	24	80-3402015	1	Ring
	25	80-3709025	1	Bush
	26	80-3709026	1	Bush
	27	80-3709024	1	Cover
	28	50-4608057	1	Spring
	29	85-3401175	1	Shaft
	30	600-3401012	1	Washer
	31	70-3003032	2	Nut
	32	8x28	2	Rivet
	33	600-3401160	1	Quadrant
	34	50-3401062	1	Spider
	35	70-3709012-A	1	Handle
	36	4x25	2	Split pin
	37	85-3401011	2	Screw
	38	80-3401001	1	Rod
	39	50-1310158-V	1	Spring
	40	ShCh 6	1	Washer
	41	1,6x12	1	Split pin
	42	V18	1	Ring
	43	85-3401014	1	Stop
	44	80-3401070	1	Bush
	45	80-3401072	1	Shaft
	46	50-3401060	1	Cardan
	47	80-3401105	1	Post
	48	80-3401104	1	Shock absorber
	49	80-3401103	1	Clip
	50	80-3401106	1	Bush

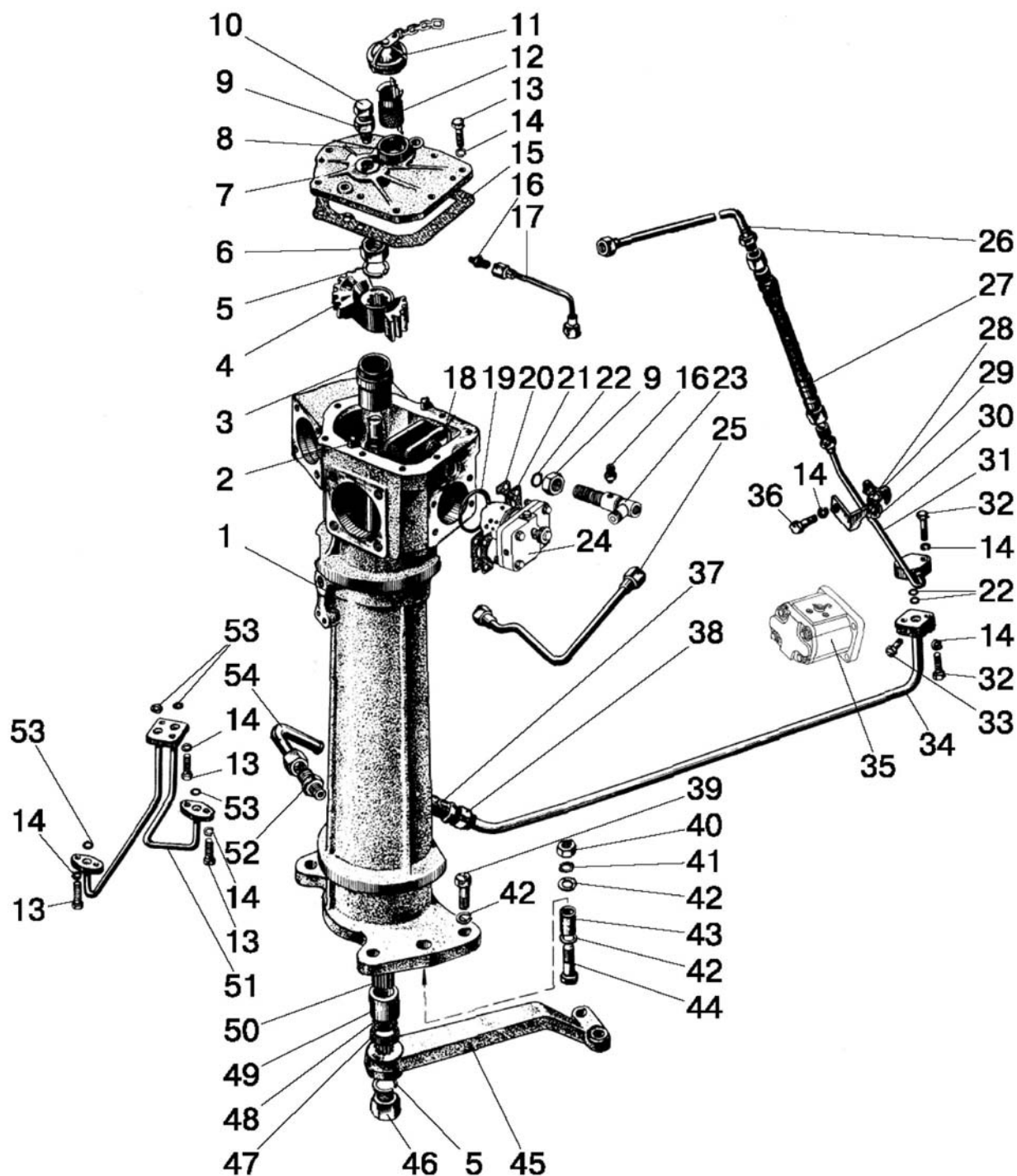


Fig. 34.2. Hydraulic Units and Steering Booster Fittings

Group 34. Steering
Subgroup 3405, 3407. Hydraulic Units and Steering Booster Fittings

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
34.2		72-3400015*	1	Steering booster (1-25, 52-3405042, 46-54 fig. 65, 1-16 fig. 66, 1-38 fig. 67)
		70-3400015**	1	Steering booster (1-25, 50-3405042, 46-54 fig. 65, 1-16 fig. 66, 1-38 fig. 67)
		50-3405012-A1	1	Housing (1,3, 49)
		50-3405020-A	1	Cover (7,8)
		50-3405025-A1***	1	Hydraulic booster cover (2, 50-3405012A/20A)
		50-3405030	1	Shaft with sector segment (4-6, 50)
		70-3407030	1	Oil pipe (34, 37, 38, 54)
		70-3407040-A1	1	Oil pipe (6, 27, 31)
	1	50-3405016-A	1	Housing
	2	50-1601352	2	Pin
	3	50-3405029-A	1	Bush
	4	50-3405024	1	Sector
	5	ShP 30L	2	Washer
	6	50-3405052	1	Nut
	7	50-3405031-B	1	Cover
	8	40A-1119076	1	Neck
	9	40-3405062	2	Nut
	10	50-3405039	1	Adjusting bolt
	11	50-3407050	1	Plug
	12	50-4608015-A	1	Filling strainer
	13	M8x25	13	Bolt
	14	ShP 8	22	Washer
	15	50-3407043-A	1	Gasket
	16	50-3407064	2	Union
	17	50-3407080	1	Oil pipe
	18	50-3407010	1	Filling strainer
	19	054-060-36-1-4	1	Ring
	20	50-3405044	10	Gasket 0,2 mm
	21	50-3405046	2	Gasket 0,5 mm
	22	017-022-30-2-2	3	Ring
	23	70-4302010	1	Valve
	24	70-4801010	1	Skid sensor
	25	70-3407130	1	Oil pipe
	26	70-3407150-B	1	Oil pipe
	27	N.036.83.150	1	Sleeve
	28	70-3506027	1	Bush
	29	70-3407163	1	Cramp
	30	70-3407164	1	Bracket
	31	70-3407140-B	1	Oil pipe
	32	M8x35	4	Bolt
	33	KG 1/8"	2	Plug
	34	70-3407100	1	Oil pipe
	35	NSh10-3L or NSh10G-ZL	1	Gear type pump
	36	M8x20	1	Bolt
	37	70-3407047-A	1	Hose
	39	HS-26	2	Coupling clip

* For tractors BELARUS-92

** For tractors BELARUS-90

*** Only for spare parts

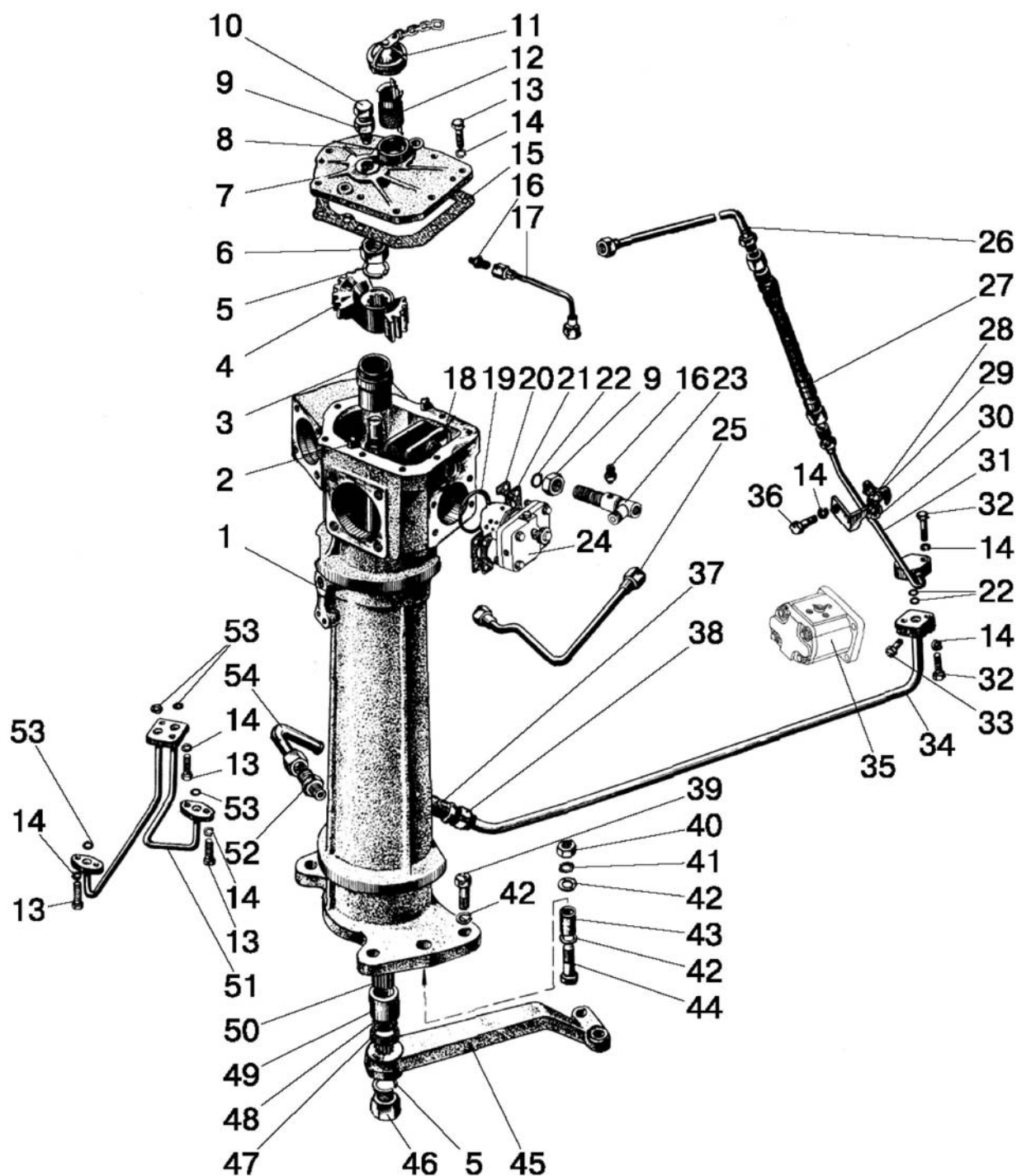


Fig. 34.2. Hydraulic Units and Steering Booster Fittings

Group 34. Steering
Subgroup 3405, 3407. Hydraulic Units and Steering Booster Fittings

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
34.2	39	M16x50	4	Bolt
	40	M16	2	Nut
	41	ShP 16	6	Washer
	42	ShCh16	4	Washer
	43	50-3405041	2	Bush
	44	M16x75	2	Bolt
	45	50-3405042*	1	Plain arm
		52-3405042**	1	Plain arm
	46	50-3405053	1	Nut
	47	2.2-38x58-1	1	Cotter
	48	50-3405037	1	Ring
	49	50-3405032	1	Bush
	50	50-3405047	1	Ball
	51	50-3407015	1	Oil pipe
	52	N.036.05.003	1	Union
	53	011-016-30-1-4	4	Ring
	54	70-3407110	1	Oil pipe

* For the tractors BELARUS-90

**For the tractors BELARUS-92

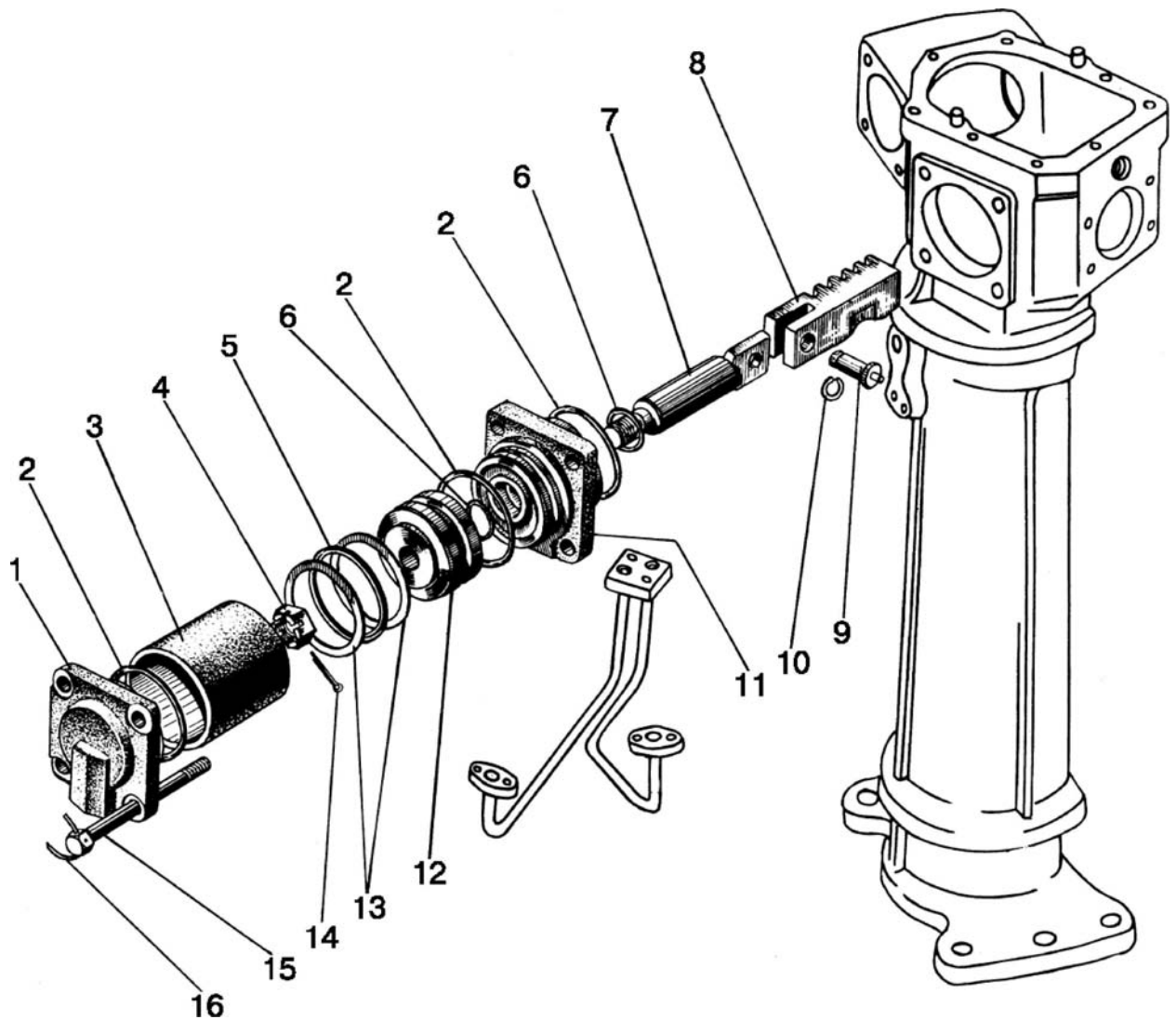


Fig. 34.3. Steering Booster Cylinder

Group 34. Steering
Subgroup 3405. Steering Booster Cylinder

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
34.3		50-3405015	1	Cylinder (1-7, 11-15)
		70-3405010	1	Cylinder with rack (50-3405015, 8-10)
	1	50-3405018	1	Cover
	2	085-090-30-1-4	3	Ring
	3	50-3405019	1	Housing
	4	50-3405049	1	Nut
	5	C90-1212043-3	1	Ring
	6	030-038-46-1-4	2	Ring
	7	50-3405021	1	Rod
	8	70-3405022	1	Rack
	9	50-3405033-A	1	Pin
	10	2V18	1	Ring
	11	50-3405017	1	Cover
	12	50-3405014	1	Piston
	13	C90-1212042	2	Gasket
	14	4x40	1	Split pin
	15	50-3405043	4	Bolt
	16	1.6-0-S	2	Wire

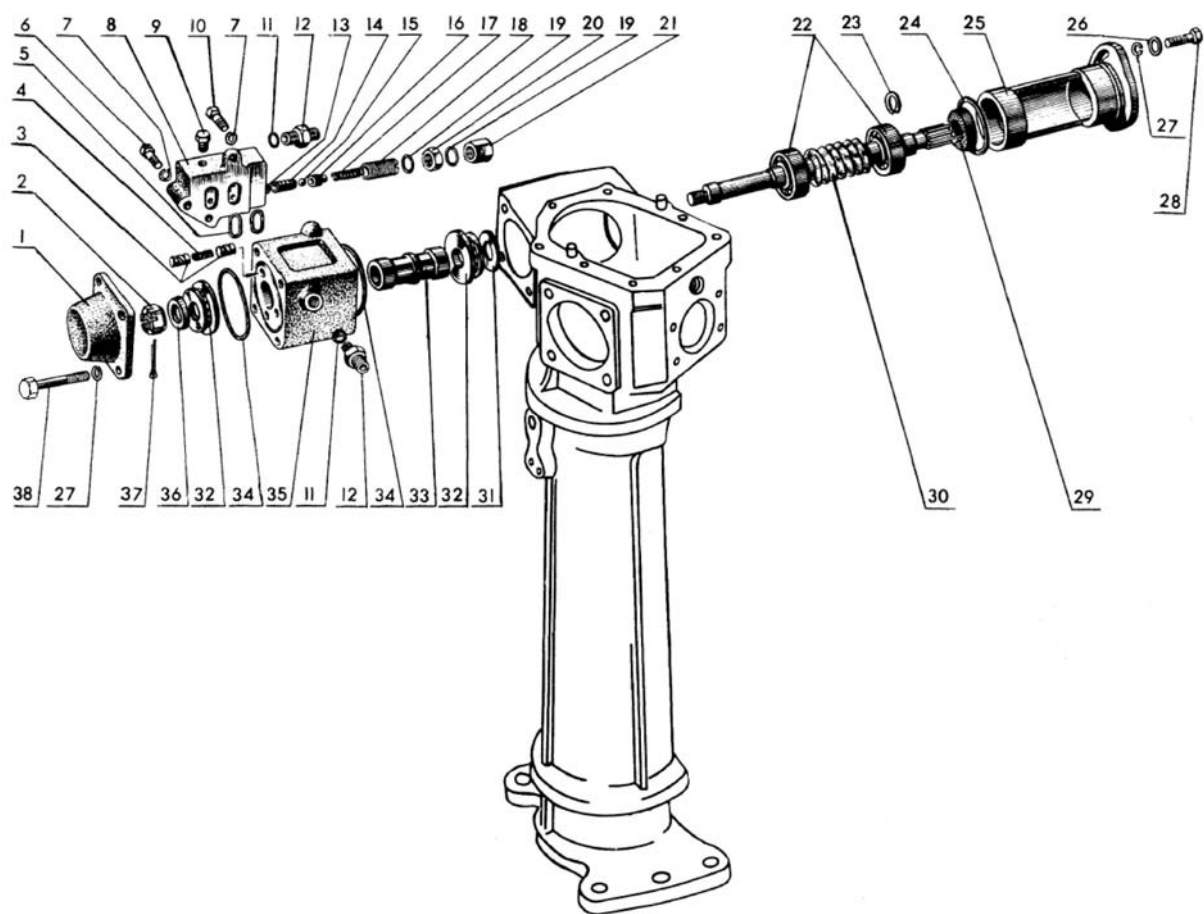


Fig. 34.4. Control Valve of Steering Booster

Group 34. Steering
Subgroup 3406. Control Valve of Steering Booster

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
34.4		50-3406015-A	1	Control valve of steering booster (3-7, 10-12, 27, 33, 35-38, 50-3406011-A)
		50-3406011-A	1	Valve cover (8, 9, 11-21)
	1	50-3406024	1	Cover
	2	50-3406039	1	Nut
	3	50-3406019-B	6	Slider
	4	50-3406033	3	Spring
	5	020-025-30-1-5	2	Ring
	6	M8x50	2	Bolt
	7	ShP 8	3	Washer
	8	50-3406017-B	1	Cover
	9	KG 1/8"	1	Plug
	10	M8x25	1	Bolt
	11	017-022-30-2-2	1	Ring
	12	N.036.04.003	2	Union
	13	R75-V-028A	1	Gasket
	14	50-3406028	1	Socket
	15		1	Ball 5,556 mm
	16	50-3406027	1	Guide
	17	50-3406026	1	Spring
	18	R80-049 or 50-3406032	1	Screw
	19	018-022-25-2-2	2	Ring
	20	R75-058B	1	Nut
	21	50-3406029	1	Cap
	22	205K	2	Bearing
	23	36-1702358	1	Spring collar
	24	50-3405036	1	Ring
	25	50-3405026	1	Bush
	26	ShP10	1	Washer
	27	ShP10	5	Washer
	28	M10x30	1	Bolt
	29	2.2-25x42-1	1	Collar
	30	50-3406034	1	Endless screw
	31	50-3406037	1	Washer
	32	958705	2	Bearing
	33	50-3406018-B	1	Valve
	34	085-090-30-1-4	2	Ring
	35	50-3406016-B	1	Housing
	36	50-3406041	1	Washer
	37	4x36	1	Split pin
	38	M10x100	4	Bolt

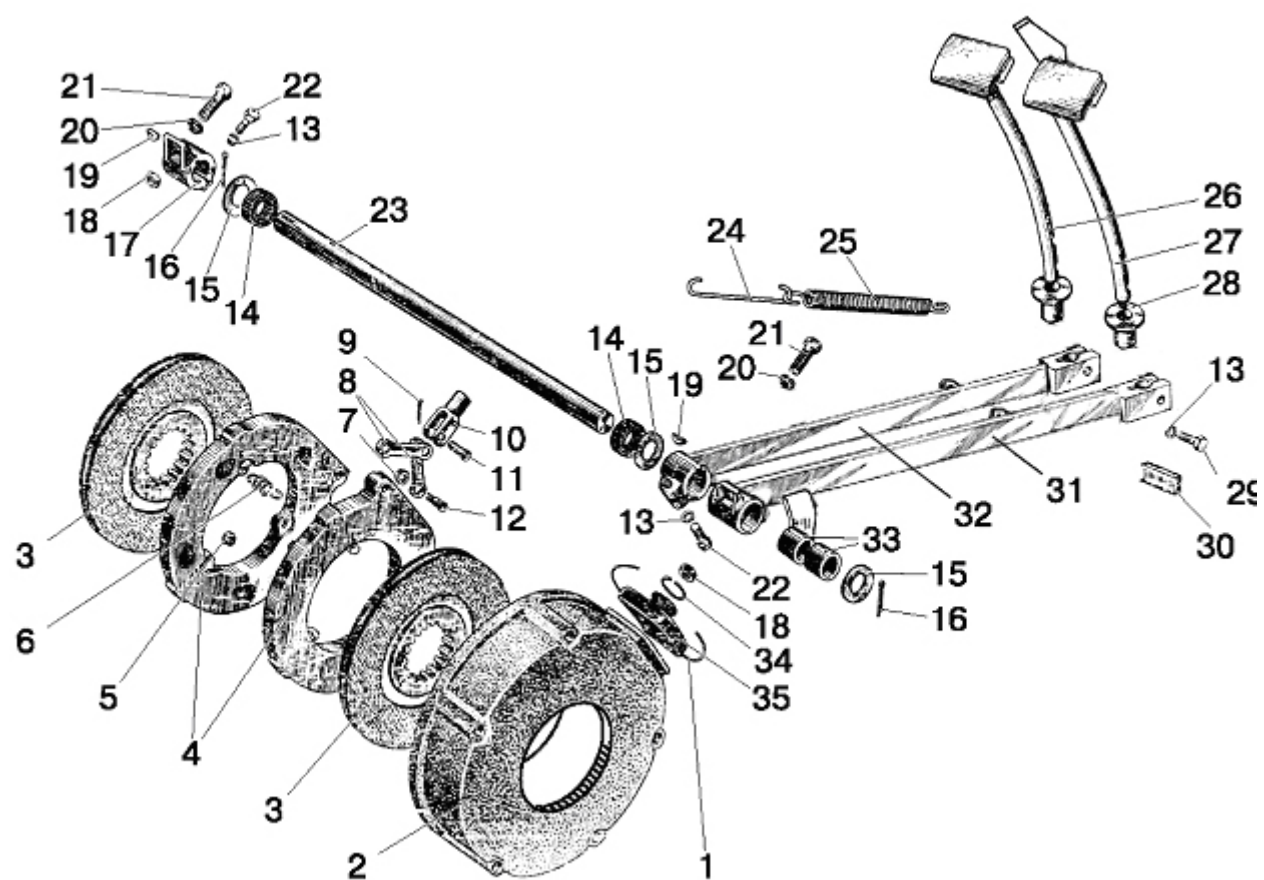


Fig. 35.1. Service Brakes. Brake Control

Group 35. Brakes
Subgroup 3502, 3503. Service Brakes. Brake Control

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
35.1		85-3502010	2	Brake (1-12, 36, 37)
		85-3502030	2	Pressure disks (4-12)
		70-3503080	2	Brake rod (18, 20, 21)
	1	1,6-S-200	2	Wire
	2	85-3502035	2	Housing
	3	85-3502040-01	4	Disk
	4	85-3502036	4	Pressure disk
	5	B22,225-100	10	Ball
	6	77.38.163	6	Spring
	7	M8	4	Nut
	8	85-3502196	4	Rod
	9	3,2x18	2	Split pin
	10	50-3502203	2	Fork
	11	12x32	2	Pin
	12	50-3502198	4	Pin
	13	ShP 12	4	Washer
	14	2.2-25x42-1	2	Collar
	15	50-3503071	3	Washer
	16	5x36	2	Split pin
	17	70-3503017-A	1	Lever
	18	M12x1,25	2	Nut
	19	SSh-611	2	Key
	20	70-3503018	2	Washer
	21	70-3503019	2	Bolt
	22	M12x35	2	Bolt
	23	50-3503015	1	Shaft
	24	70-3503045	2	Extender
	25	50-1605152	2	Spring
	26	70-3503140	1	Left pedal
	27	70-3503130	1	Right pedal
	28	80-3503158-A	2	Gasket
	29	M12x30	2	Bolt
	30	50-3503067	1	Stop
	31	70-3503050-B	1	Lever
	32	70-3503060	1	Lever
	33	50-3503064	2	Bush
	34	36-1702358*	2	Spring collar
	35	50-3502202	2	Cover

* Optional

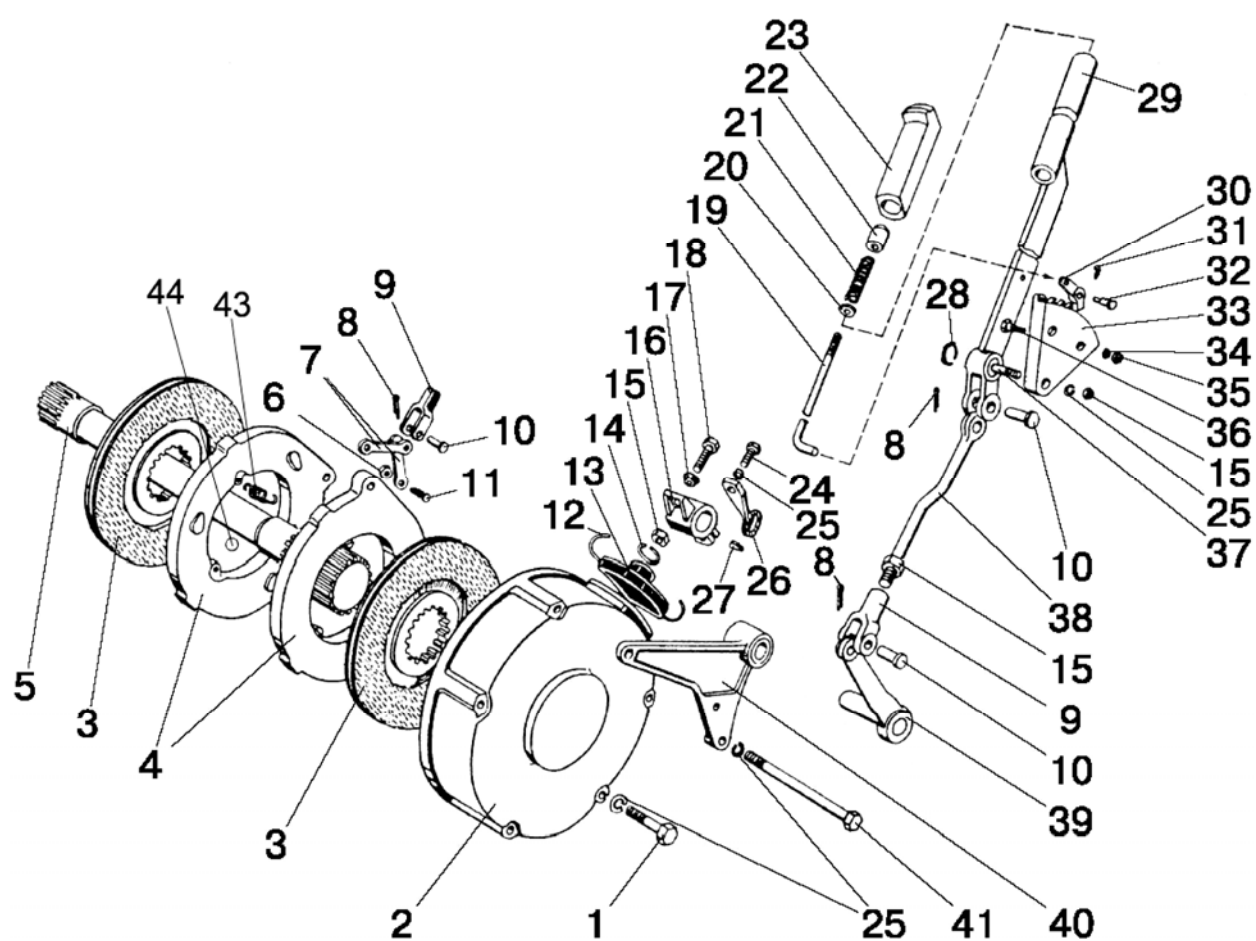


Fig. 35.2. Parking Brake

Group 35. Brakes
Subgroup 3507. Parking Brake

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
35.2		50-350210	1	Brake (2-4, 6-14, 43, 44)
		50-3502030-A	1	Pressure disk (4, 6-11, 43, 44)
		70-3503080	1	Brake rod (15, 17, 18)
		70-3507050	1	Bracket (16, 24-27, 39-41)
		70-3507020	1	Lever (19-23, 29-32)
		70-3507040	1	Rod (9, 15, 38)
	1	M12x180	3	Bolt
	2	50-3502035	1	Housing
	3	70-3502040-01 or 70-3502040-04	2	Disk
	4	50-3502036-B	2	Pressure disk
	5	70-3504055	1	Shaft
	6	M8	2	Nut
	7	50-3502196	2	Rod
	8	3,2x18	3	Split pin
	9	50-3502203	2	Fork
	10	12x32	3	Pin
	11	50-3502198	2	Pin
	12	1,6-O-S	1	Wire
	13	50-3502202	1	Cover
	14	36-1702358*	1	Spring ring
	15	M12x1,25	3	Nut
	16	70-3503017-A	1	Lever
	17	70-3503018	1	Washer
	18	70-3503019	1	Bolt
	19	70-3507022	1	Rod
	20	ShCh 5	1	Washer
	21	55-17-27	1	Spring
	22	A13.19.002	1	Button
	23	A13.19.001-A	1	Handle
	24	M12x40	1	Bolt
	25	ShP 12	7	Washer
	26	70-3514107	1	Lever
	27	SSh-611	1	Key
	28	S15	1	Ring
	29	70-3507030	1	Lever
	30	50-1606026	1	Latch
	31	2x12	1	Split pin
	32	70-3507024	1	Axle
	33	70-3507021 -B	1	Segment
	34	ShP 10	2	Washer
	35	M10	2	Nut
	36	M10x35	2	Bolt
	37	70-3507132-B-01	1	Axle
	38	70-3507041	1	Rod
	39	70-3507060-03	1	Lever
	40	70-3507070	1	Bracket
	41	M12x200	2	Bolt
	42	77.38.163	3	Spring
	43	22,225-100	3	Ball

* Optional

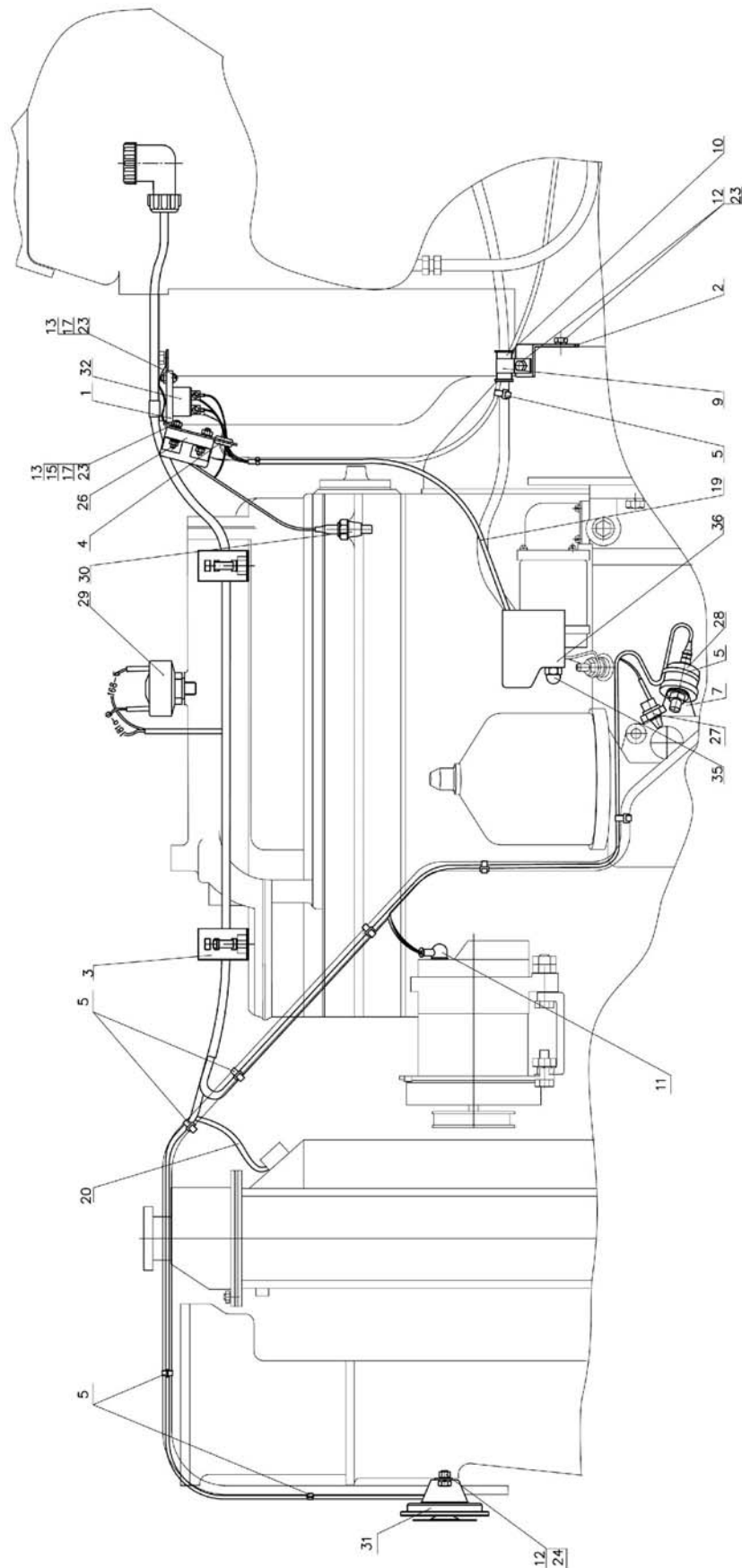


Fig. 37.1. Engine Electrical Equipment

Group 37. Electrical Equipment
Subgroup 3700. Engine Electrical Equipment

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
37.1	1	80-3747037	1	Bracket
	2	70-4802060	1	Bracket with nut
	3	80-3723037	2	Bracket
	4	70-3723042-01	1	Bush
	5	80-3723045	11	Collar
	7	80-3829002	1	Hole fitting
	9	70-1115012-03	2	Hoop
	10	70-3506027	1	Bush
	11	M2-14.13.238	2	Cover
	12	M8x16	3	Bolt
	13	V.M6x16	3	Screw
	15	M6	2	Nut
	17	S6	2	Washer
	19	510-3724040	1	Braid
	20	510-3724070	1	Braid
	23	6T	3	Washer
	24	8T	3	Washer
	26	3722.40	1	Fuse block (BP-11)
	27	3829.15	1	Oil level warning light (DADM-03)
	28	3829.10	1	Engine oil pressure sensor (DD-6M)
	29	3845.10	1	Engine Air Cleaner Clogging Sensor (DSF-65)
	30	3828.10	1	Temperature gauge sensor (DUTZH-02)
	31	3721.10	1	Alarm horn (20.3721-01)
	32		1	Relay 73.3747
	35		1	Figured nut 15.421.224
	36		1	Cover 15.421.224

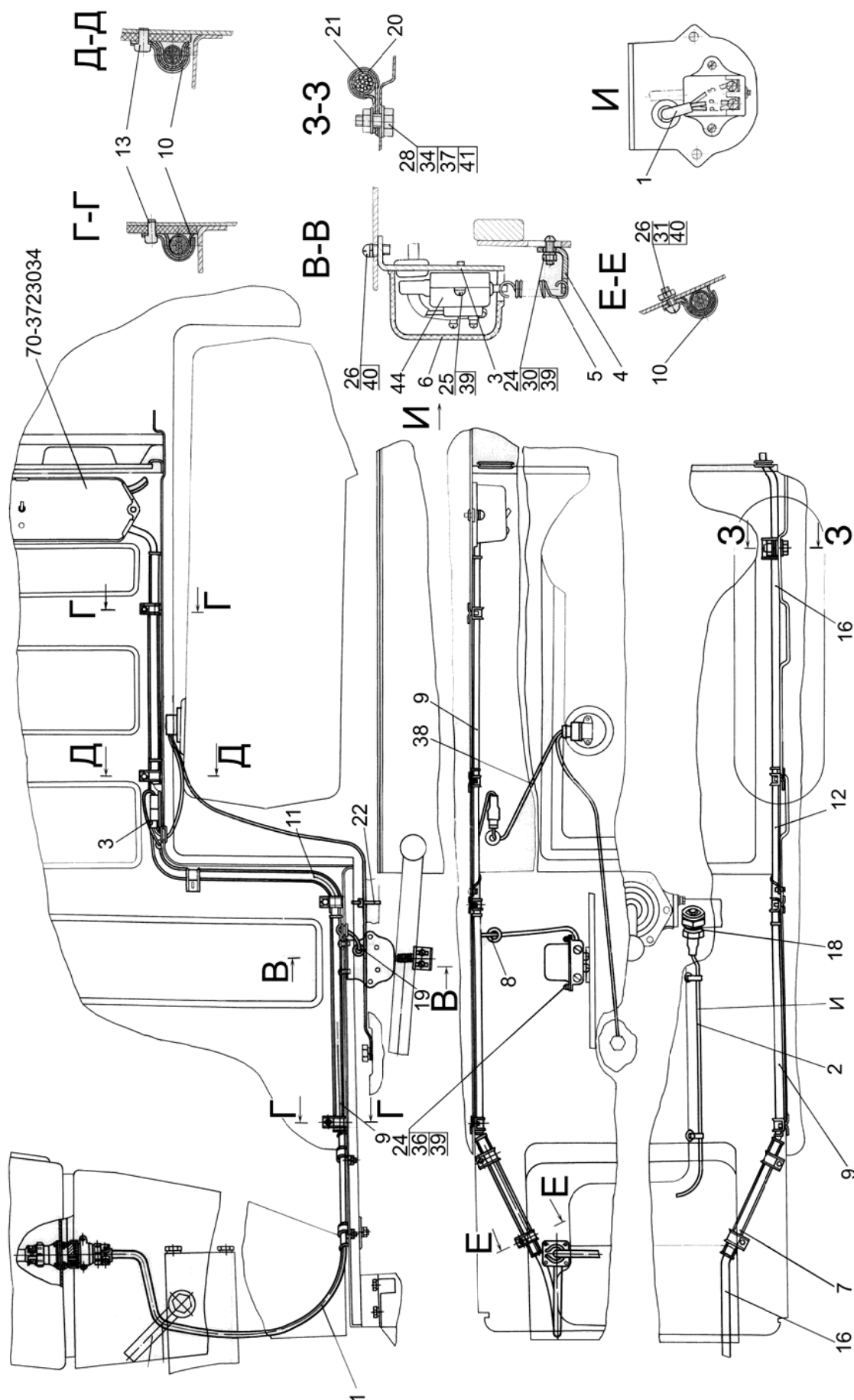


Fig. 37.2. Cab Electrical Equipment

Group 37. Electrical Equipment
Subgroup 3700. Cab Electrical Equipment

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
37.2	1	70-3724101-V-01	1	Harness
	3	70-3710022	1	Bracket
	4	70-3710024	1	Bracket
	5	70-3710027	1	Spring
	6	70-3710029	1	Cover
	7	70-3723025-01	3	Duct
	8	70-3723025-02	1	Duct
	9	70-3723025-01	3	Duct
	10	70-3723027	15	Clamp
	11	70-3723028	1	Duct
	12	70-3723029	1	Duct
	13	70-3723033	11	Clamp
	16	70-3724041-A1-01	1	Wire
	19	36-3723024-B	2	Bush
	22	80-3723045-01	1	Collar
	24	VM4x12	4	Screw
	25	VM4x16	2	Screw
	26	VM5x12	6	Screw
	30	M4	2	Nut
	31	M5	4	Nut
	35	80-3724015-G	1	Harness
	36	ShP.4	2	Washer
	38	70-3724135	1	Harness
	39	ShCh 4	6	Washer
	40	ShCh 5	6	Washer
	42	4-16	1	Cap
	44	VK854-B-T	1	Switch

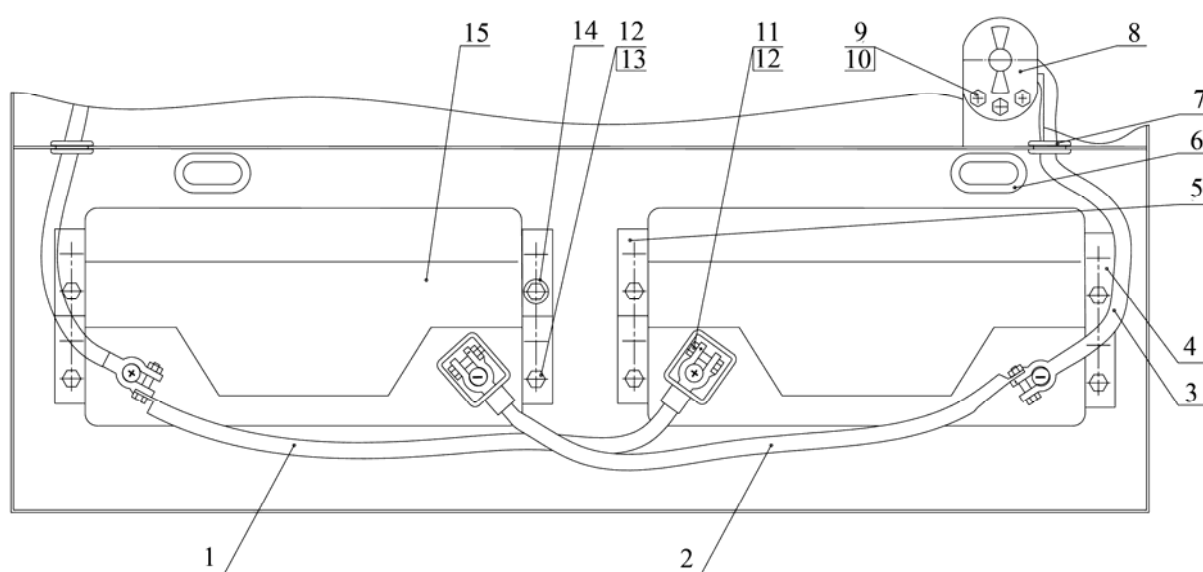


Fig. 37.3. Storage Battery Installation

Group 37. Electrical Equipment
Subgroup 3703. Storage Battery Installation

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
37.3		70-3700080	1	Electrical Equipment
	1	80-3724038-01	1	Wire
	2	80-3724039-01	1	Wire
	3	80-3724043-A	1	Wire
	4	80V-3703020-01	2	Clamp
	5	80V-3703020-02	2	Clamp
	6	V50-3801048	2	Bush
	7	70-3723042-01	1	Bush
	8	3710.115	1	Battery disconnect switch VK 318B-O
	9	M6x16	3	Bolt
	10	ShCh 6	3	Washer
	11	M8x30	4	Bolt
	12	M8	12	Nut
	13	ShCh 8	8	Washer
	14	ShP 10	8	Washer
	15	3703.16	2	Storage Battery 12/88

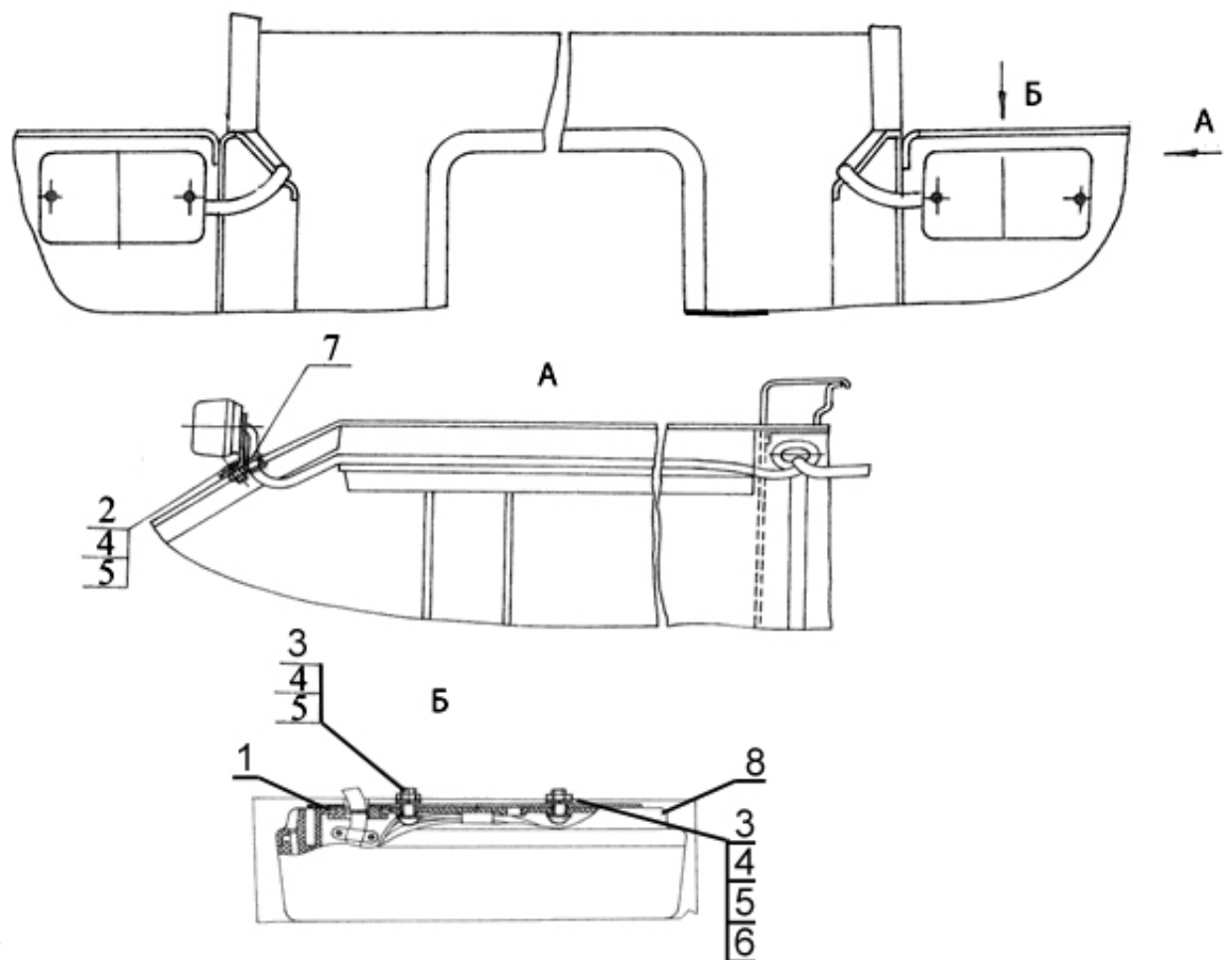


Fig. 37.4. Front Lamp Installation

Group 37. Electrical Equipment
Subgroup 3712. Front Lamp Installation

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
37.4	1	70-3712054	2	Bracket
	2	M6x14	4	Bolt
	3	V.M6x16	4	Screw
	4	M6	8	Nut
	5	ShCh.6	8	Washer
	6	ShP.6	2	Washer
	7	70-3723042-01	6	Bush
	8	3703.3712	2	Front lamp

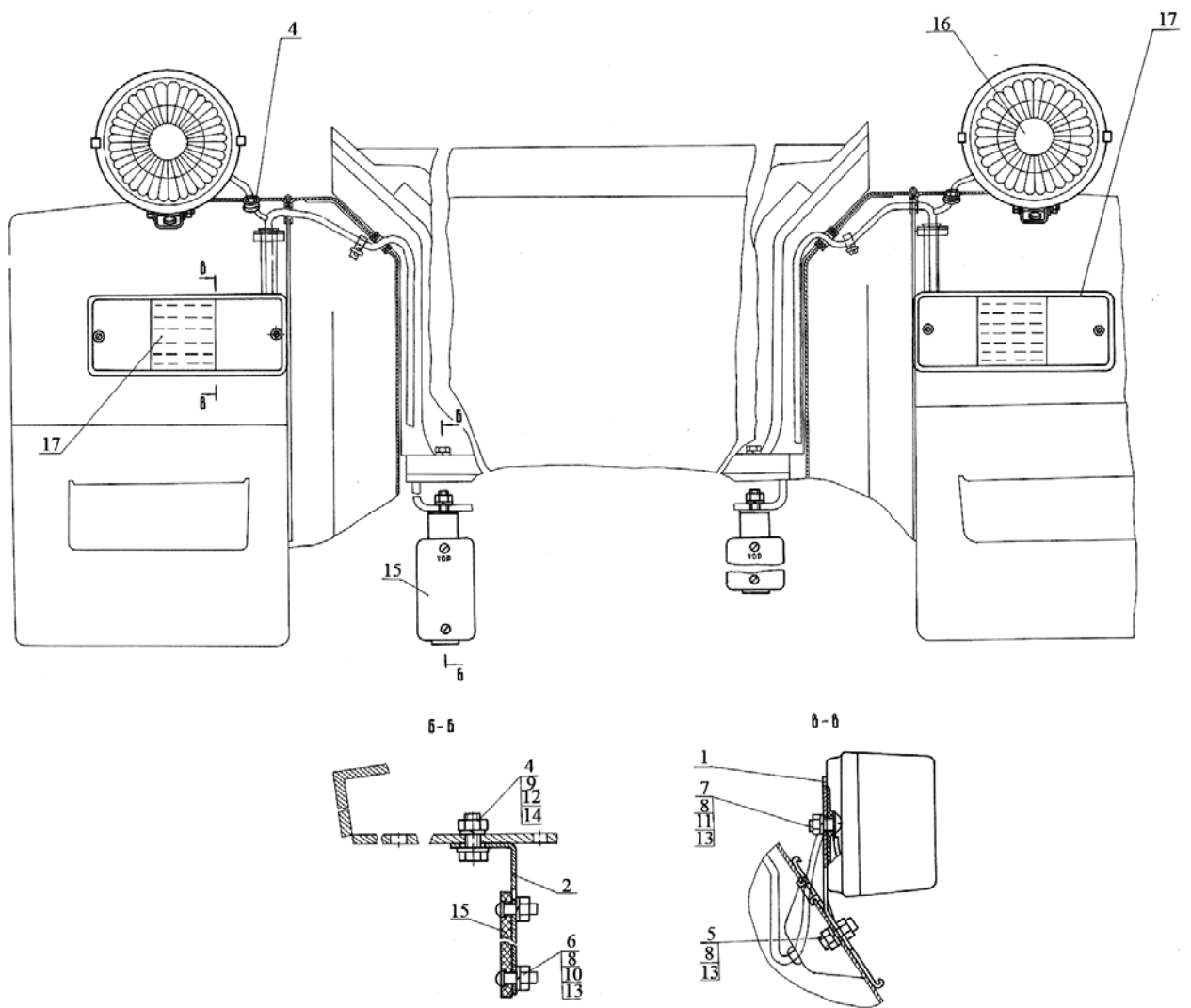


Fig. 37.5. Working Headlight and Back Lamp Installation

Group 37. Electrical Equipment
Subgroup 3712. Working Headlight and Back Lamp Installation

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
37.5	1	70-3712054	2	Bracket
	2	F50-3731011	2	Bracket
	3	70-3723042-01	4	Bush
	4	M10x16	2	Bolt
	5	M6x14	8	Bolt
	6	V.M6x18	4	Screw
	7	V.M6x16	8	Screw
	8	M6	12	Nut
	9	M10	2	Nut
	10	ShP.6	4	Washer
	11	ShP.6	2	Washer
	12	ShP.10	2	Washer
	13	ShCh.6	12	Washer
	14	ShCh.10	2	Washer
	15	3202.3731	2	Retro-reflector
	16	8724.3/2021	2	Working headlight
	17	7303.3716	2	Back lamp

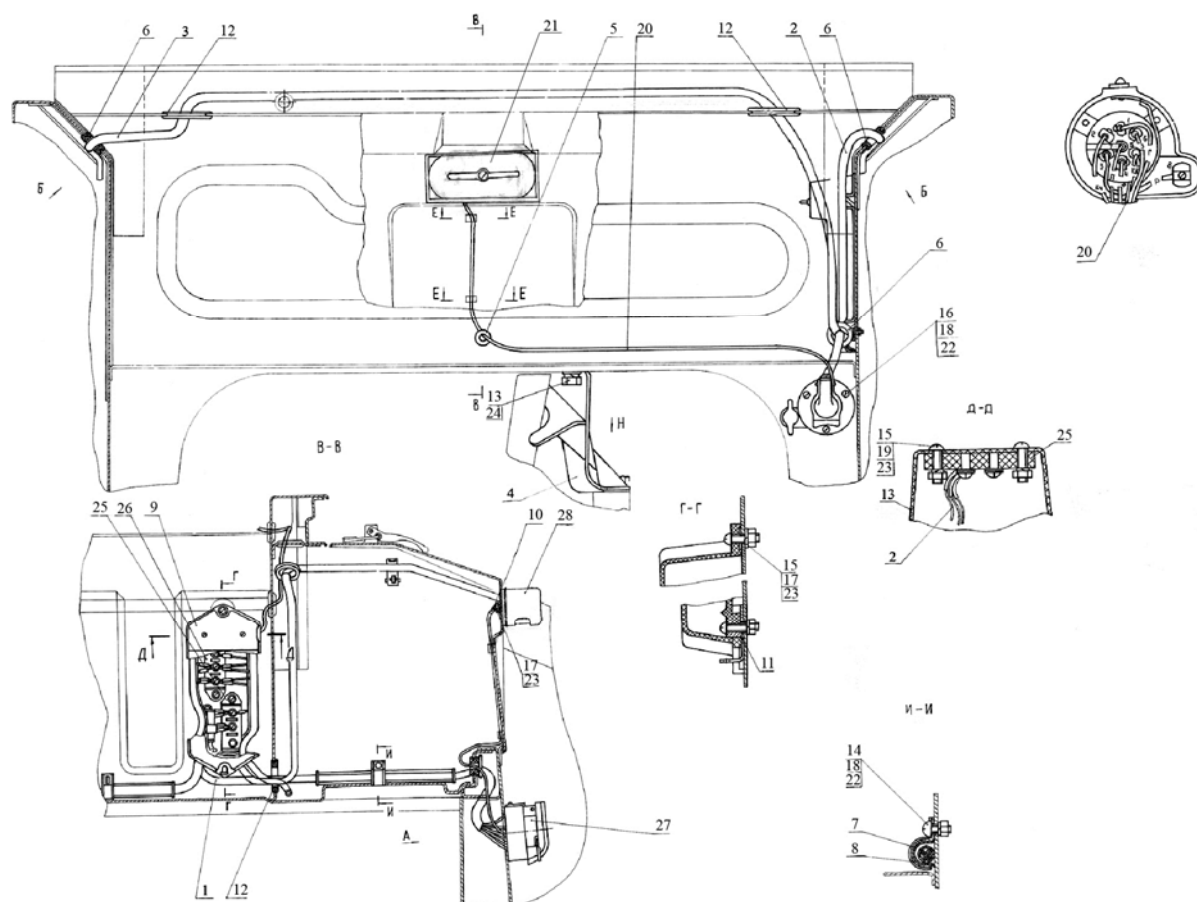


Fig. 37.6. Socket and License Plate Lamp Installation

Group 37. Electrical Equipment
Subgroup 3717. Socket and License Plate Lamp Installation

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
37.6	1	70-3724110-B	1	Harness
	2	70-3724120-B3	1	Harness
	3	70-3724130-B3	1	Harness
	4	80-3724112-01	1	Bridge
	5	36-3723024-B	1	Bushing
	6	50-3723025	3	Protective bushing
	7	70-3723025	1	Chute
	8	70-3723027	1	Cramp
	9	70-3723034	1	Panel cover
	10	70-3723035	1	Terminal
	11	80-3723043	2	Cramp
	12	V50-3801048	2	Bushing
	13	M12x25	1	Bolt
	14	V.M5x12	1	Screw
	15	V.M6x20	4	Screw
	16	V.M5x35	3	Screw
	17	M6	4	Nut
	18	M5	4	Nut
	19	M6	2	Nut
	20	70-3724028-B	1	Wire
	21	FP 131	1	License plate lamp
	22	ShCh.5	4	Washer
	23	ShCh.6	6	Washer
	24	ShCh.12	1	Washer
	25	P14.3723	2	Panel
	26	P15.3723	1	Panel
	27	R9-1	1	Socket
	28	112.00.05-01	1	License plate lamp

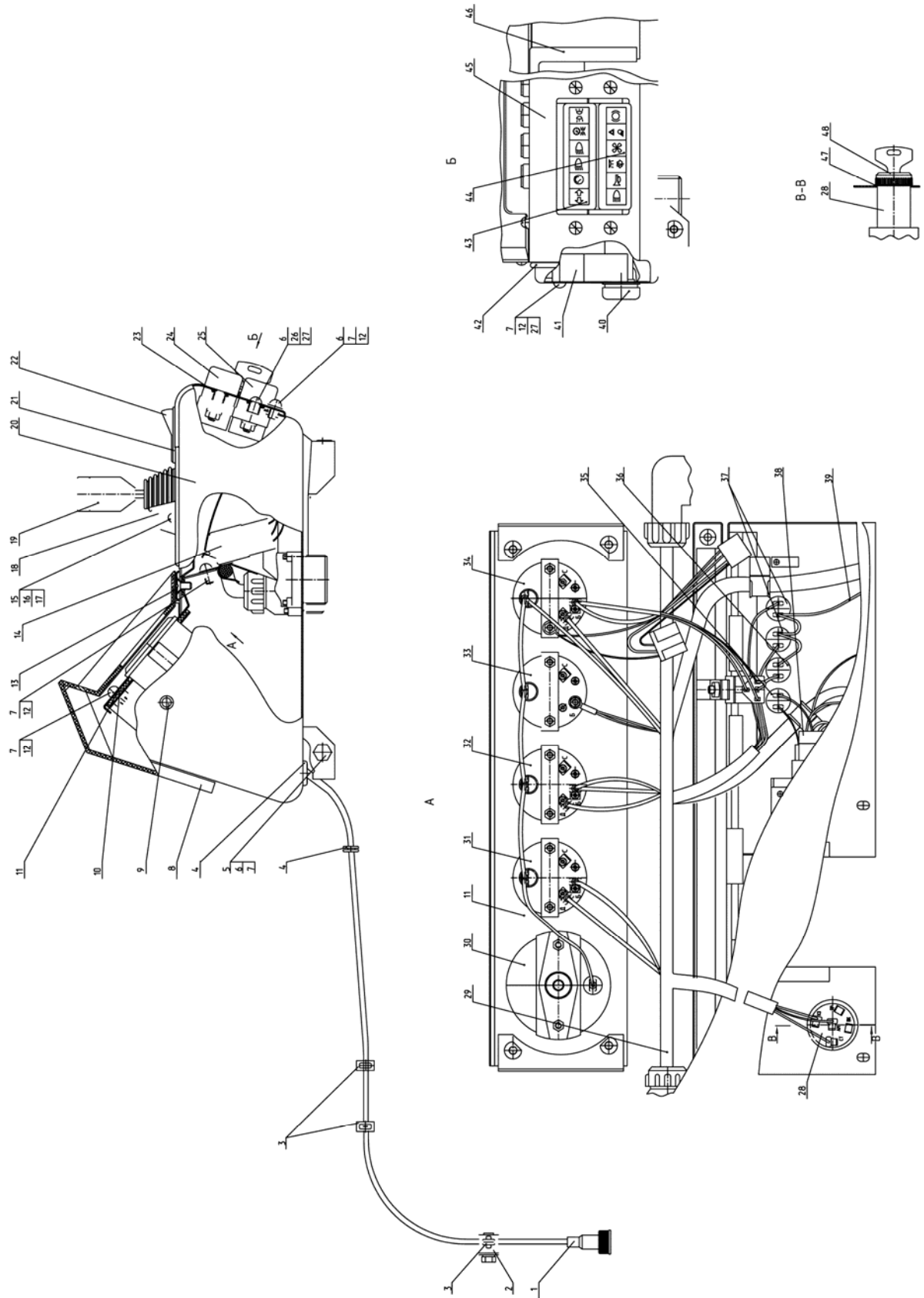


Fig. 38.1. Dashboard

Group 38. Instruments
Subgroups 3801, 3805. Dashboard

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
38.1	1	GV 20V-01	1	Cable shaft
	2	80-3801092-B	1	Bracket
	3	70-3801029	3	Clamp
	4	70-3723042-01	2	Bushing
	5	M6x25	2	Bolt
	6	ShCh 6	2	Washer
	7	ShP 6	11	Washer
	8	80-3801025	1	Housing
	9	M6x12	2	Screw
	10	70-3801022	2	Gasket
	11	70-3801011-B	1	Base of the dashboard
	12	M6x12	9	Screw
	13	M6x12	2	Screw
	14	902.3747-20	1	Breaking relay 20A
	15	M4x12	4	Screw
	16	ShCh 4	2	Washer
	17	ShP 4	11	Washer
	18	70-3801018	1	Shield
	19	PKP-2	1	Combined commutator
	20	70-3801040	1	Base of the dashboard
	21	80-3801021	1	Switch jack
	22	P147M-04.29	1	Light commutator
	23	800-1205107	4	Bushing
	24	BP-1-01	1	Fuse block
	25	BP-2-01	1	Fuse block
	26	M6x25	4	Screw
	27	M6	5	Nut
	28	1202.3704-03	1	Switch of starter
	29	70-3724095	1	Harness
	30	TH135-Э	1	Tachospeedometer
	31	JeI8009M-9 or AR20.3810	1	Indicator of oil pressure
	32	JeI8007M-2 or AR20.3806	1	Indicator of fuel level
	33	JeI8006M-2 or AR20.3812	1	Indicator of tension
	34	JeI8008M-3 or AR20.3807	1	Indicator of water-temperature
	35	122.3803010	1	Lamp of signal light
	36	121.3803010	1	Lamp of signal light
	37	12.3803010	2	Lamp of signal light
	38	70-3724105-B	1	Harness
	39	70-3724049-V	1	Harness
	40	245.3710 or 249.3710-05	1	Hazard warning lights switch
	41	8586.6/0031 or JeRP-1 or RP-1	1	Flasher of turn indicators
	42	PPR-25	2	Polyvinylchloride profile
	43	70-3801032	1	Plate
	44	70-3801038	1	Plate
	45	70-3801060-V	1	Shield
	46	70-3801216	1	Edging of aperture
	47	220-3805019	1	Washer
	48	80-3805014	1	Nut

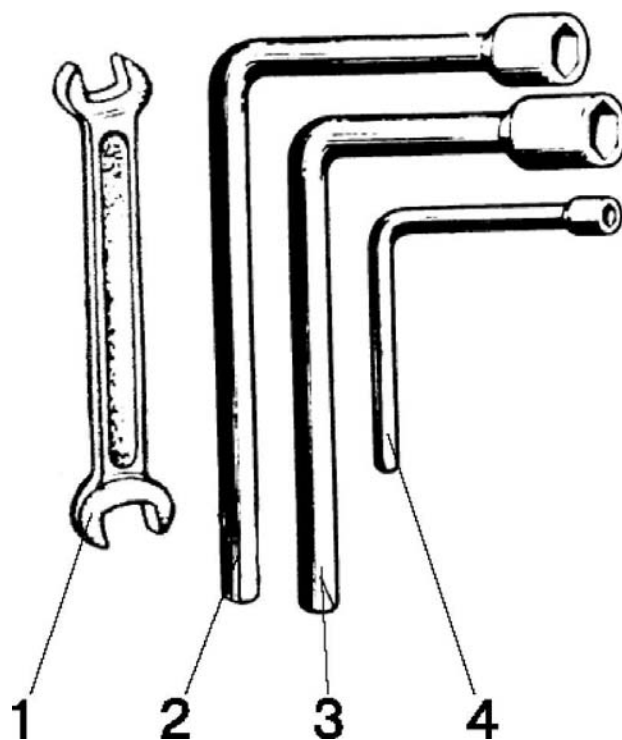


Fig. 39.1. Operator's Tools

Group 39. Tools and accessories
Subgroup 3901. Operator's Tools

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
39.1			1	Spare parts, tools and accessories of diesel engine D-243
	1	70-3901038	1	Wrench 41x46 (optional)
	2		1	Socket wrench S=32
	3		1	Socket wrench S=27
	4		1	Socket wrench S=12

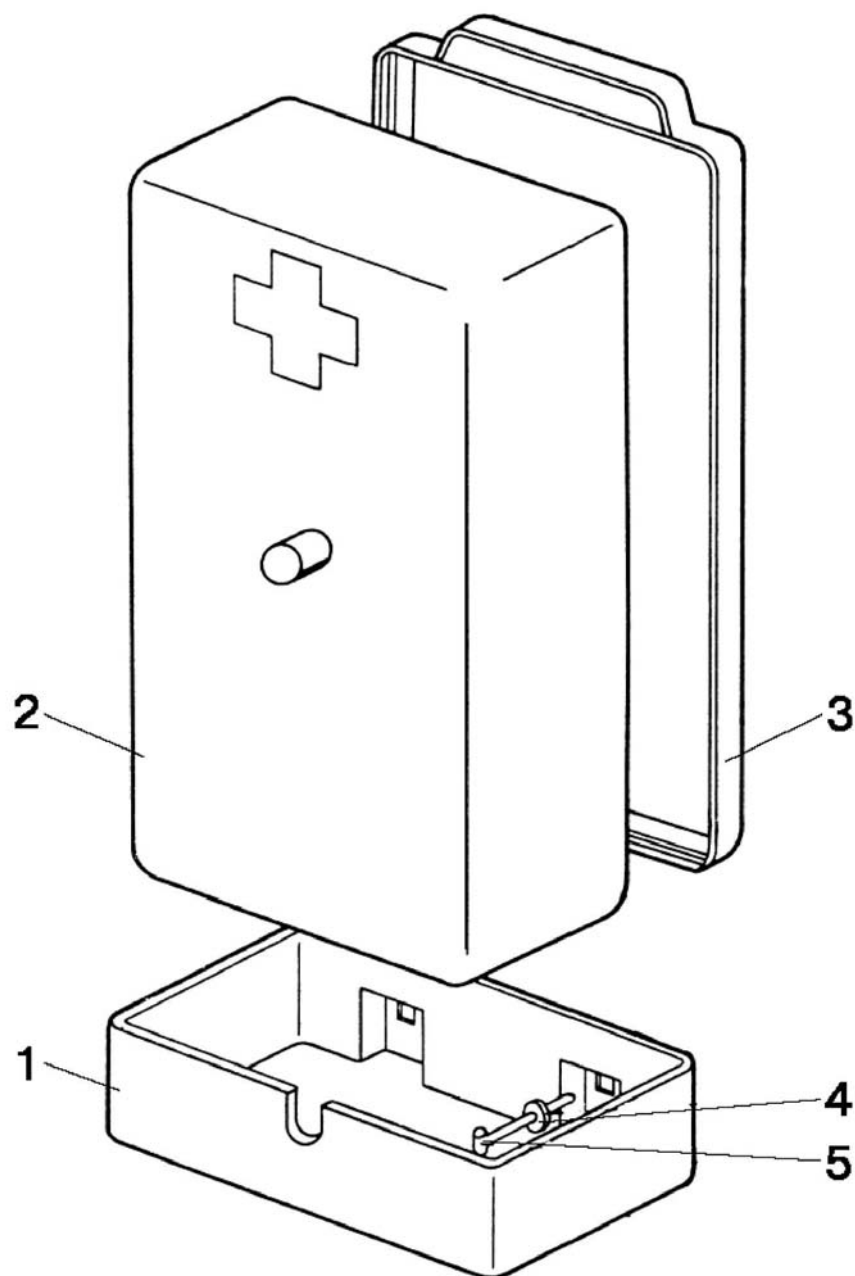


Fig. 39.2. First Aid Kit

Group 39. Tools and accessories
Subgroup 3912. First Aid Kit

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
39.2	1	70-3912153-A	1	Bracket
	2	70-3912152	1	Body
	3	70-3912151	1	Cover
	4	ShCh 6	3	Washer
	5	70-3723033	3	Cramp

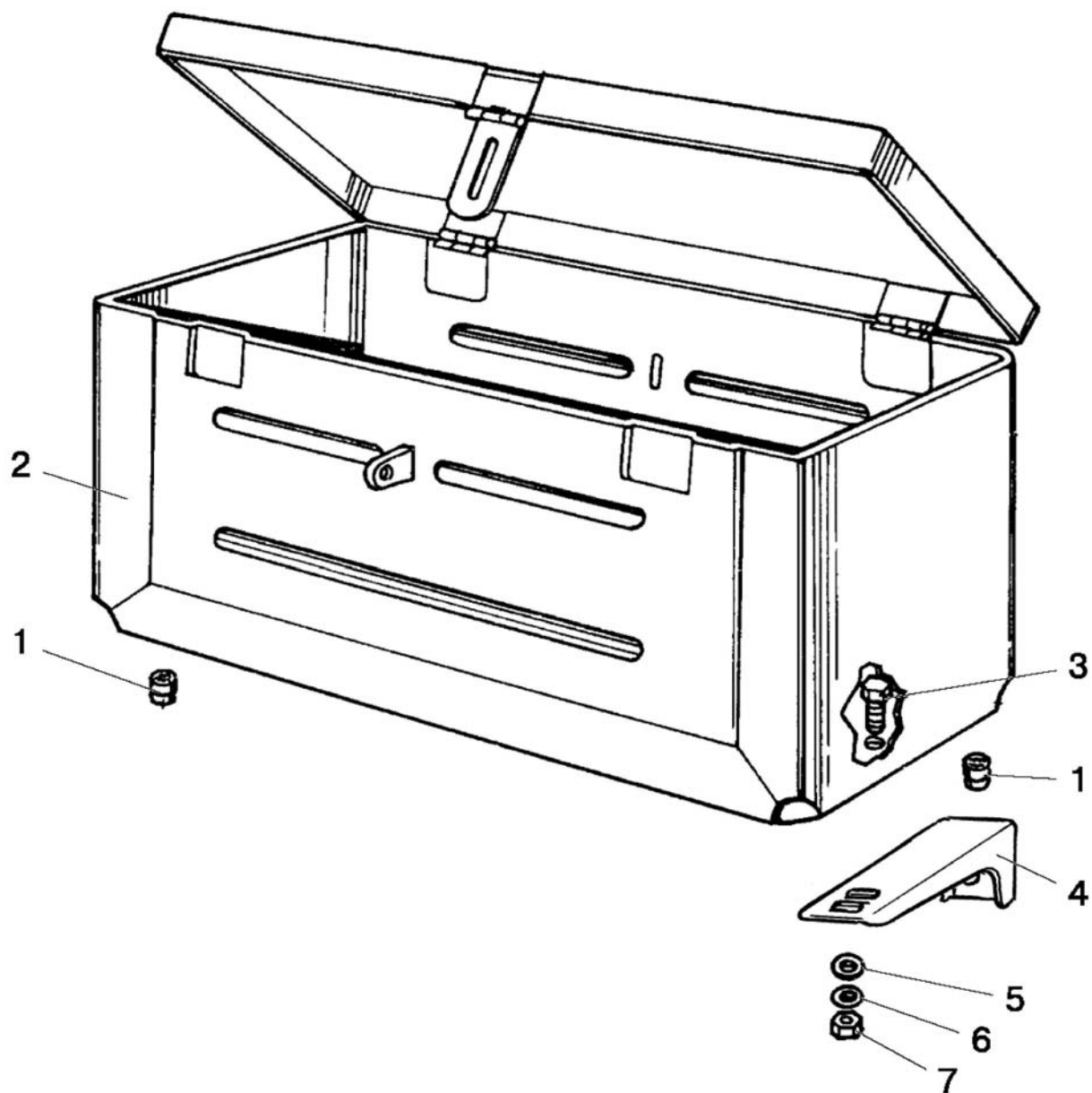


Fig. 39.3. Tool box

Group 39. Tools and accessories
Subgroup 3919. Tool box

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
39.3	1	50-8400018	4	Bumper
	2	70-3919110	1	Box
	3	M8x16	2	Bolt
	4	80-3919106	2	Bracket
	5	ShCh 8	2	Washer
	6	ShP 8	2	Washer
	7	M8	2	Nut

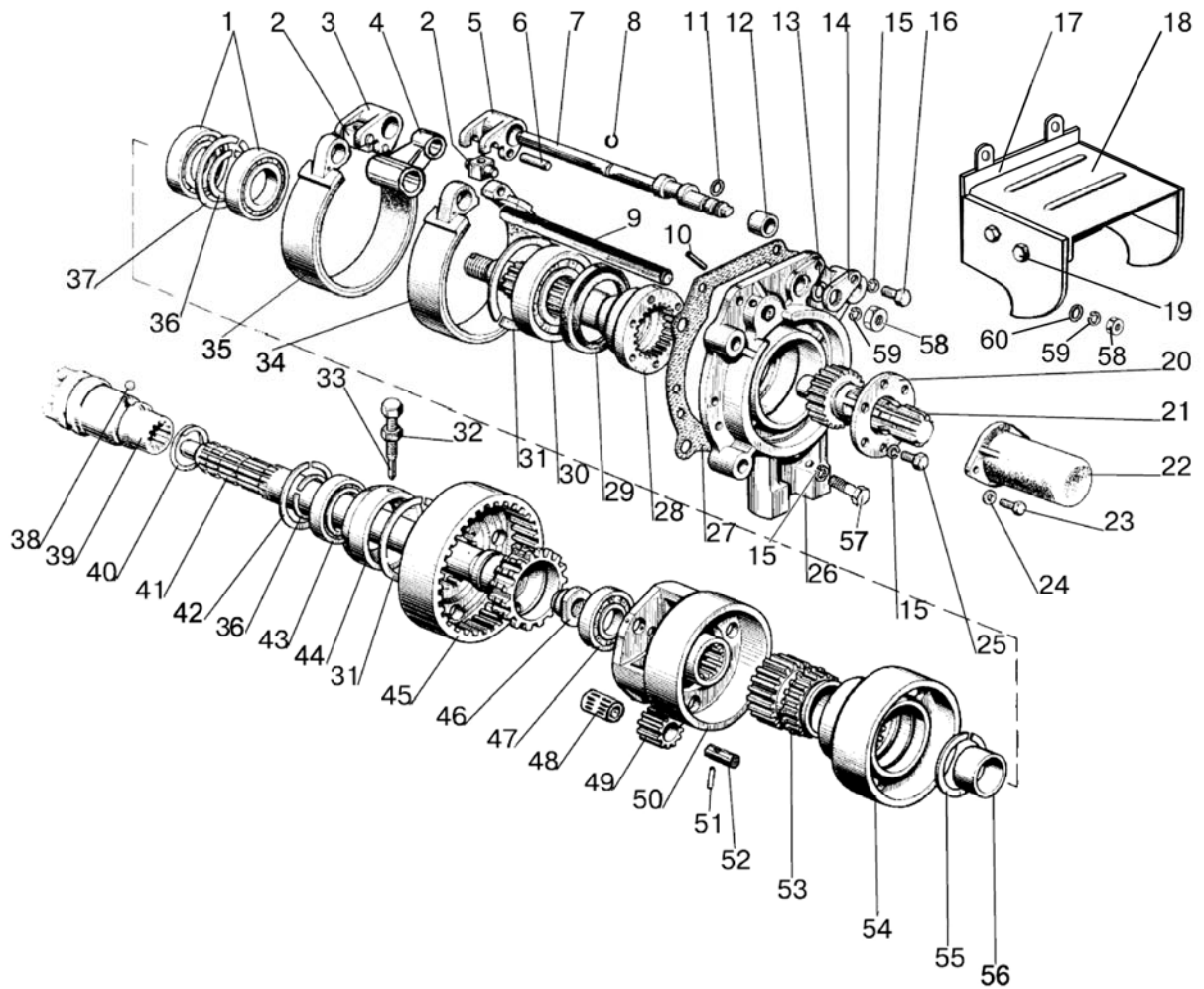


Fig. 42.1. Rear Power Takeoff Shaft (PTO Shaft)

Group 42. PTO
Subgroup 4202. Rear Power Takeoff Shaft

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
42.1		85-4202010	1	Rear power takeoff shaft
		85-4202020	1	Cover (1-16, 20, 21, 25-31, 34-37, 46-56)
		70-4202030-A	1	Crown gear (36, 38-45)
	1	209A	2	Bearing
	2	50-4202078	2	Pin
	3	50-4202074	1	Lever
	4	50-4202058	1	Bracket
	5	85-4202074	1	Lever
	6	ShCK 8x36	2	Pin
	7	80-4202076	1	Shaft
	8	54.38.619	1	Ring
	9	70-4202072B	1	Axle
	10	A.8x20.65G	1	Pin
	11	014-018-25-2-2	1	Ring
	12	80-4202082	1	Bush
	13	S18	1	Ring
	14	85-4202079	1	Plate
	15	ShP 10	12	Washer
	16	M10x40	1	Bolt
	17	F70-4202095	1	Housing
	18	F70-4202092	1	Cover
	19	M8x16	4	Bolt
		M8	4	Nut
		ShP 8	4	Washer
		ShCh 8	4	Washer
	20	80-4202081-A	1	Plate
	21	80-4202019B	1	Tail (8 splines)
		80-4202019B-01	1	Tail (6 splines) (optional)
		80-4202019B-02	1	Tail (21 splines) (optional)
	22	50-4202065-A	1	Cap
	23	M8x16	2	Bolt
	24	ShP 8	2	Washer
	25	M10x18	6	Bolt
	26	80-4202042-B	1	Cover
	27	50-4202092A	1	Gasket
	28	80-4202017-B	1	Shaft
	29	2.2-80x105-1	1	Collar
	30	60310A	1	Bearing
	31	2S110	2	Ring
	32	M12x1,25	1	Nut
	33	50-4202068	1	Check screw
	34	85-4202100	1	Band with lining 85-4202056 (TIIR 430)
	35	85-4202100-01 or 85-4020100-02	1	Band with lining 85-4202057 (TIIR 430) or band with lining 85-4202057-A7 (ITB 2842)
	36	2S50	2	Ring
	37	2S85	1	Ring
	38	7,938-100	1	Ball
	39	50-4202046-B	1	Shift collar
	40	A61.03.002	1	Ring

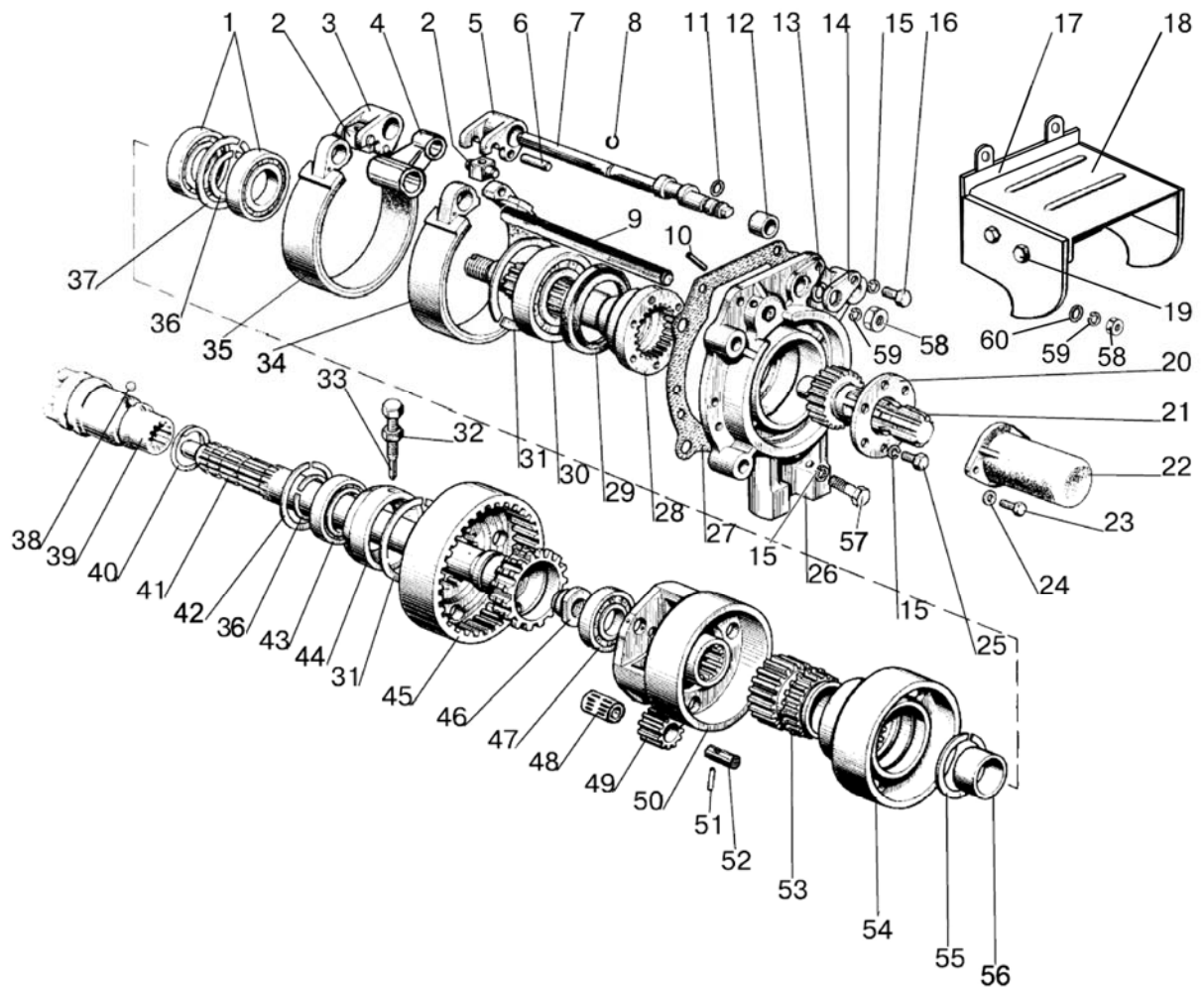


Fig. 42.1. Rear Power Takeoff Shaft

Group 42. PTO
Subgroup 4202. Rear Power Takeoff Shaft

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
42.1	41	80-4202044-B	1	PTO
	42	2S90	1	Ring
	43	210AUS1	1	Bearing
	44	50-4702066-A	1	Cup
	45	70-4202043	1	Crown gear
	46	70-4202083-A	1	Nut
	47	208A	1	Bearing
	48	KK20x26x34E	3	Bearing
	49	70-4202024	3	Satellite
	40	85-4202065	1	Carrier
	51	70-4202431	3	Pin
	52	70-4202026	3	Spider pin
	53	70-4202032	1	Center gear
	54	85-4202033	1	Drum
	55	2S68	1	Ring
	56	70-4202077	1	Bush
	57	M10x35	5	Bolt
	58	M 16x1,5	4	Nut
	59	ShP 16	4	Washer
	60	ShCh 16	2	Washer

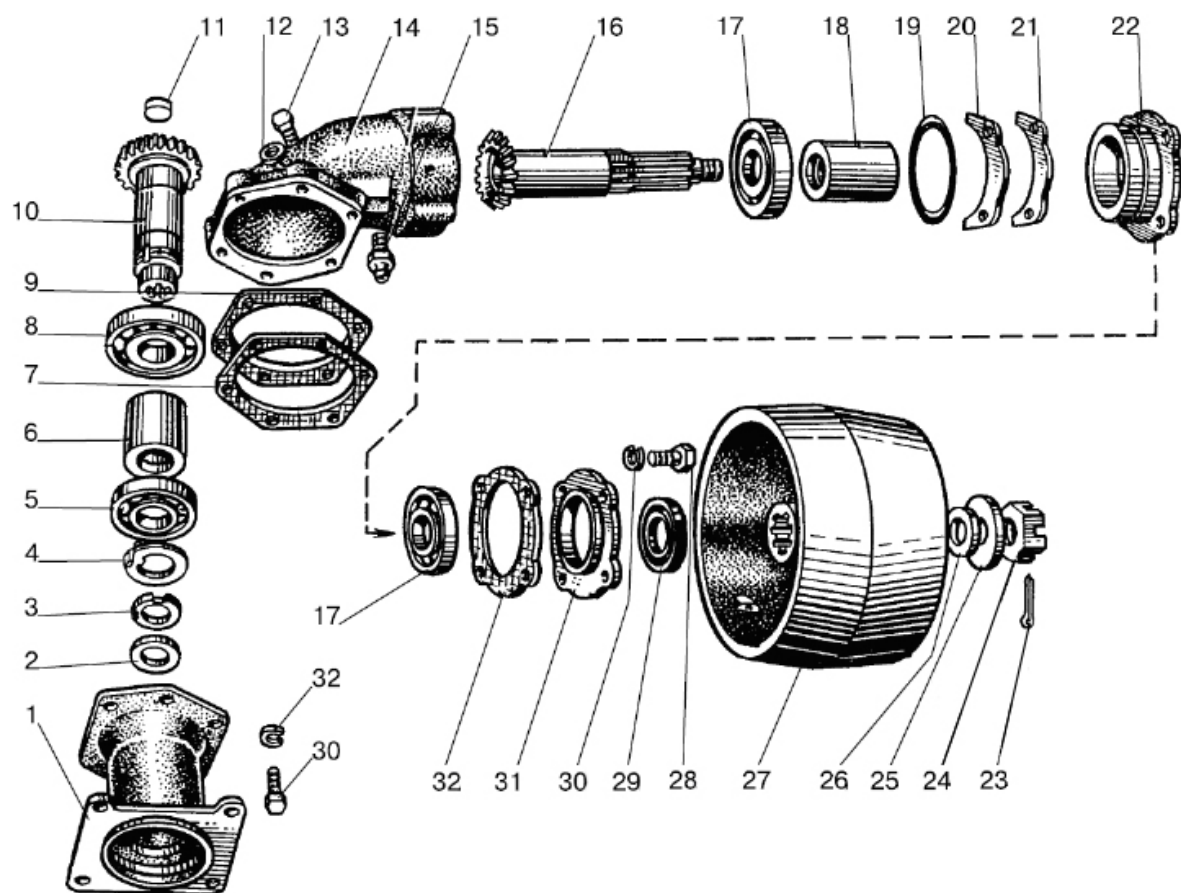


Fig. 42.2. Power Pulley

Group 42. PTO
Subgroup 4211. Power Pulley

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
42.2		40-4211010-01	1	Power pulley mounted on the tail of power shaft of 8 splines (1-34)
		40-4211035	1	Body (12-22, 30-34)
		40-4211040	1	Driving shaft 8 splines (3-6, 8, 10, 11)
		40-4211050	1	Hose 8 splines (1-6, 8, 10, 11)
		40-4211065	1	Shaft (16-13, 22)
	1	40-4211052	1	Hose
	2	KFA-50x70	1	Collar
	3	40-4211043	1	Nut
	4	36-1701061	1	Washer
	5	211 AUSH1	1	Bearing
	6	40-4211047	1	Bush
	7	40-4211079	1	Gasket
	8	311A	1	Bearing
	9	40-4211081	1	Gasket
	10	40-4211045	1	Shaft with the jack of 8 splines
	11	40-4211082	1	Plug
	12	PK KG 3/8"	1	Plug
	13	PK KG 3/4"	2	Plug
	14	40-4211037	1	Body
	15	SU-1/8"-A	1	Breather
	16	40-4211071	1	Shaft-gear
	17	408	2	Bearing
	18	40-4211072	1	Spacer
	19	120-125-30-1-4	1	Ring
	20	36-4211054B	6	Gasket (0,5 mm)
	21	36-4211055	8	Gasket (0,2 mm)
	22	36-4211048	1	Sleeve
	23	4x36	1	Cotter pin
	24	M20x1,5	1	Nut
	25	40-3502084	1	Washer
	26	40-3502083	1	Gasket
	27	40-4211075	1	Ready-fitted pulley
	28	M12x40	6	Bolt
	29	2.2-65x90-1	1	Collar
	30	ShP 12	10	Washer
	31	36-4211073	1	Jack
	32	36-4211057	1	Gasket

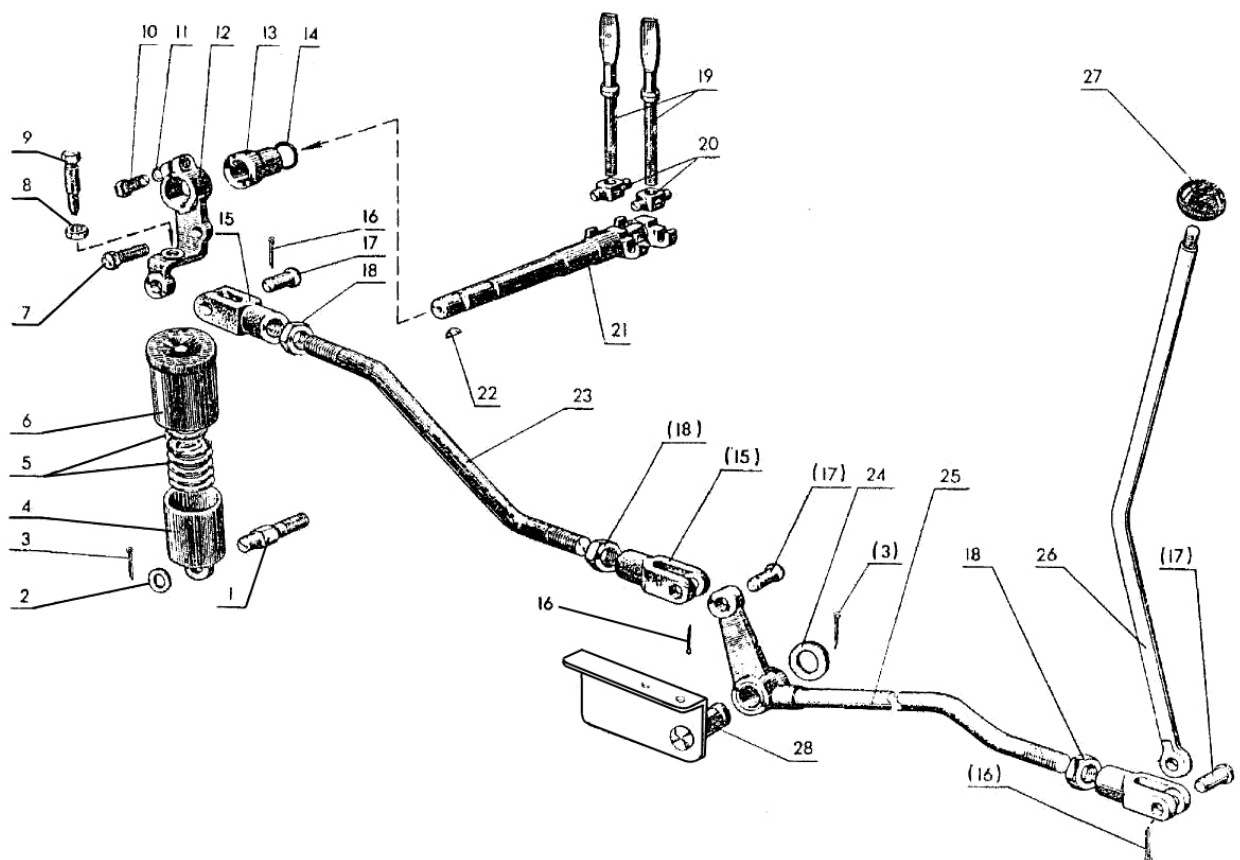


Fig. 42.3. PTO shaft control

Group 42. PTO
Subgroup 4216. PTO shaft control

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
42.3		70-4216010-B	1	Installation of PTO shaft control
		70-4216040	1	Spring (4-6)
		70-4216060-B	1	Trip rod (17, 18, 23)
		70-4216065	1	Lever (17, 18, 25)
		50-4216070-B	1	Shaft of control (20, 21)
	1	70-4216048-B	1	Bolt
	2	ShCh 16	1	Washer
	3	4x36	2	Cotter pin
	4	70-4216013	1	Ear
	5	70-4216011	2	Spring
	6	70-4216015	1	Cover
	7	M10x60	1	Bolt
	8	M16	1	Nut
	9	70-4216023-A	1	Bolt
	10	M12x35	1	Bolt
	11	ShP 12	1	Washer
	12	50-4216022-A	1	Lever
	13	50-4216024	1	Bush
	14	NSh10-0101037	1	Ring
	15	50-3502203	3	Fork
	16	3,2x18.016	3	Cotter pin
	17	12x32	3	Pin
	18	M12x1,25	3	Nut
	19	50-4216028-B	2	Screw
	20	50-4216034	2	Axle of screw
	21	50-4216018	1	Shaft
	22	6x11	1	Key
	23	70-4216043-B	1	Rod
	24	50-3406037	1	Washer
	25	70-4216050-B	1	Lever
	26	70-4216081-B	1	Rod
	27	12-12sb-108	1	Handle
	28	70-4216069	1	Shaft

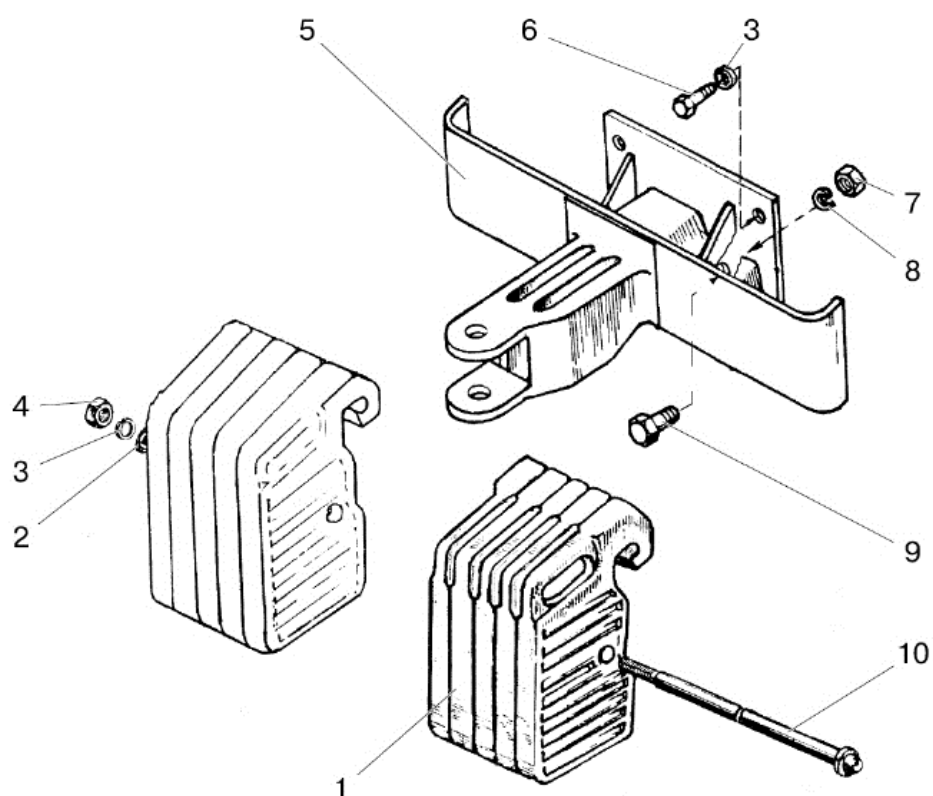


Fig. 42.4. Front Ballast Weight

Group 42. PTO
Subgroup 4235. Front Ballast Weight

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
42.4	1	70-4235011	10	Weight
	2	ShCh 16	1	Washer
	3	ShP 16	3	Washer
	4	M16	1	Nut
	5	70-4235020	1	Bracket
	6	M16x32	2	Bolt
	7	M20	2	Nut
	8	ShP 20	2	Washer
	9	70-4605036	2	Bolt
	10	80-4235015	1	String

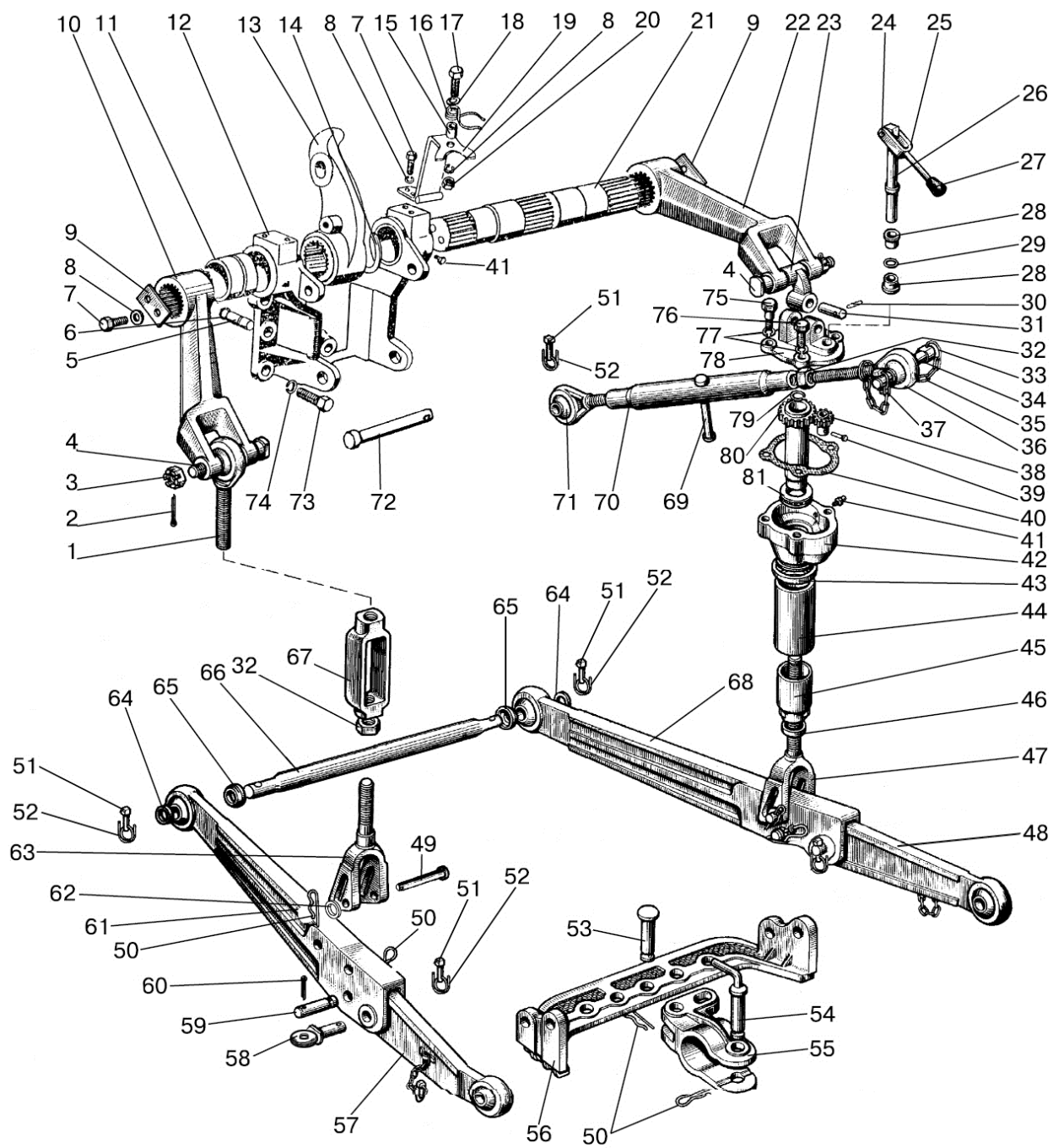


Fig. 46.1. Rear Mounting Mechanism

Group 46. Hydraulic Lift Linkage
Subgroup 4605. Rear Mounting Mechanism

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.1		90-4605010	1	Rear mounting mechanism (1-81)
		50-4605012	2	Drop link (1, 32, 63, 67)
		80-4605150-02	1	Drop link (23-31, 38-47, 75-81) L=475 mm
		A61.05.100-01	1	Cotter (35, 37)
		A61.03.000-01	1	Upper rod (36-41, 87-89)
		A61.03.200-01	1	Screw (33-37, pin A61.03.001-01 Ø25)
		80-4605025	1	Crossbeam (50-56)
		F50-4605030	1	Right rod (48, 50-52, 58-60, 68)
		F50-4605035	1	Left rod (50-52, 57-61)
		50-4605105-A	1	Pivot of the trailer (50, 54)
	1	A61.02.100	1	Screw
	2	4x36	1	Cotter pin
	3	70-3003032	2	Nut M18x1,5-61-1.6.019
	4	50-4605076	2	Pin
	5	50-4605027	2	Pin
	6	54.38.619	2	Ring
	7	M12x25	6	Bolt
	8	ShP 12	7	Washer
	9	40-4605023-A2	2	Washer
	10	80-4605021	1	Lever
	11	70-4605032	2	Bush
	12	80-4605016-01	1	Bracket
	13	70-4605024-A	1	Rotary lever
	14	2V65	1	Ring
	15	50-4605069	1	Bush
	16	A61.07.002	1	Spring
	17	M12x35	1	Bolt
	18	ShCh 12	1	Washer
	19	70-4605240-A	1	Bracket
	20	M12	1	Nut
	21	70-4605023	1	Rotary shaft
	22	80-4605022	1	Lever
	23	70-4605168	1	Link
	24	A61.01.016-B	1	Axle
	25	A61.01.400	1	Fork
	26	A61.01.600	1	Shaft
	27	A61.01.014	1	Handle
	28	A61.01.017	2	Bush
	29	016-021-30-2-4	1	Ring
	30	8x45	1	Pin
	31	A61.01.004	1	Pin
	32	A61.02.003	1	Locknut
	33	A61.03.002	2	Ring
	34	A61.03.001-01	1	Pin Ø 25
	35	A61.08.001 -01	1	Chain (9 links)
	36	A61.02.100-05	1	Screw (hinge hole Ø 25,7)
	37	A61.05.000	1	Cotter with the ring
	38	A61.01.001	1	Gear
	39	A61.01.005	1	Axle
	40	A61.01.003	1	Gasket
	41	1.3 C9hr	3	Oilier
	42	A61.01.104	1	Body
	43	A61.01.013	1	Bush
	44	A61.01.008	1	Pipe

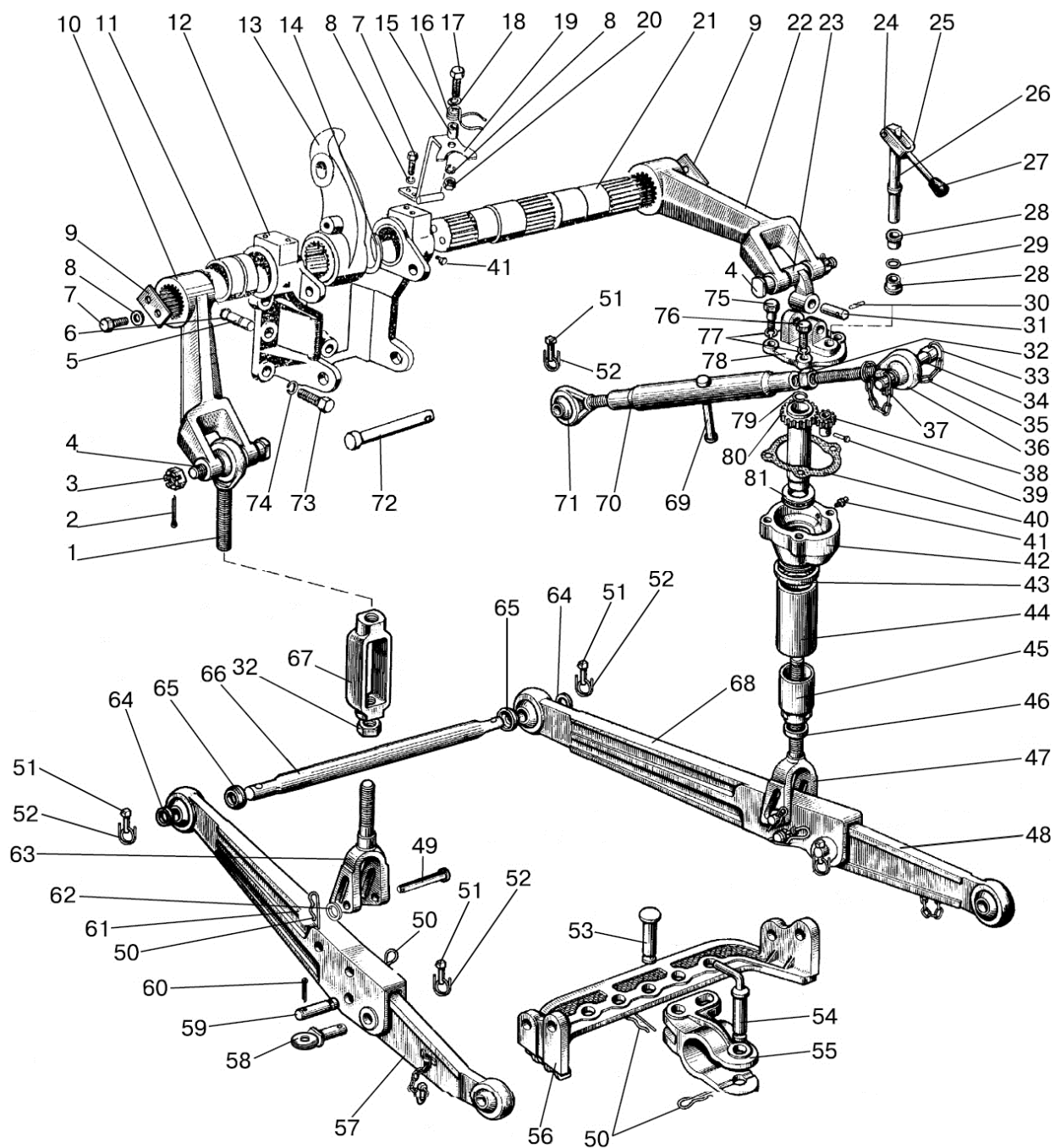


Fig. 46.1. Rear Mounting Mechanism

Group 46. Hydraulic Lift Linkage
Subgroup 4605. Rear Mounting Mechanism

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.1	45	A61.01.011	1	Cap
	46	A61.01.009	1	Limiter
	47	70-4605100	1	Fork
	48	N50-4605040-A2	1	Rod
	49	F50-4605084	2	Pin
	50	A61.07.001	4	Spring cotter pin
	51	A61.05.005	6	Cotter
	52	A61.05.004	6	Ring
	53	A61.10.002	2	Pin
	54	50-4605079-B	1	Pin
	55	A61.11.001	1	Fork
	56	80-4605046	1	Crossbeam
	57	N50-4605045-A2	1	Rod
	58	70-4605048-A	2	Ear
	59	50-4605049-B	2	Pin
	60	5x36	2	Cotter pin
	61	F70-4605055	1	Rod
	62	ShCh 18	2	Washer
	63	50-4605100-B	1	Fork
	64	F50-4605047-A2	2	Bush
	65	50-4605068-B1	2	Washer
	66	F50-4605026	1	Axle
	67	A61.02.001	1	Turnbuckle
	68	F70-4605050	1	Rod
	69	A61.03.102	1	Handle
	70	A61.03.101	1	Pipe
	71	A61.02.100-03	1	Screw (left thread)
	72	A61.10.001	1	Pin
	73	70-4605036	5	Bolt
	74	ShP 20	5	Washer
	75	A61.01.006	2	Bolt
	76	M14x40	2	Bolt
	77	ShP 14	4	Washer
	78	A61.01.204	1	Cover
	79	A61.01.012	1	Limiter
	80	A61.01.300	1	Pipe
	81	8109	1	Bearing

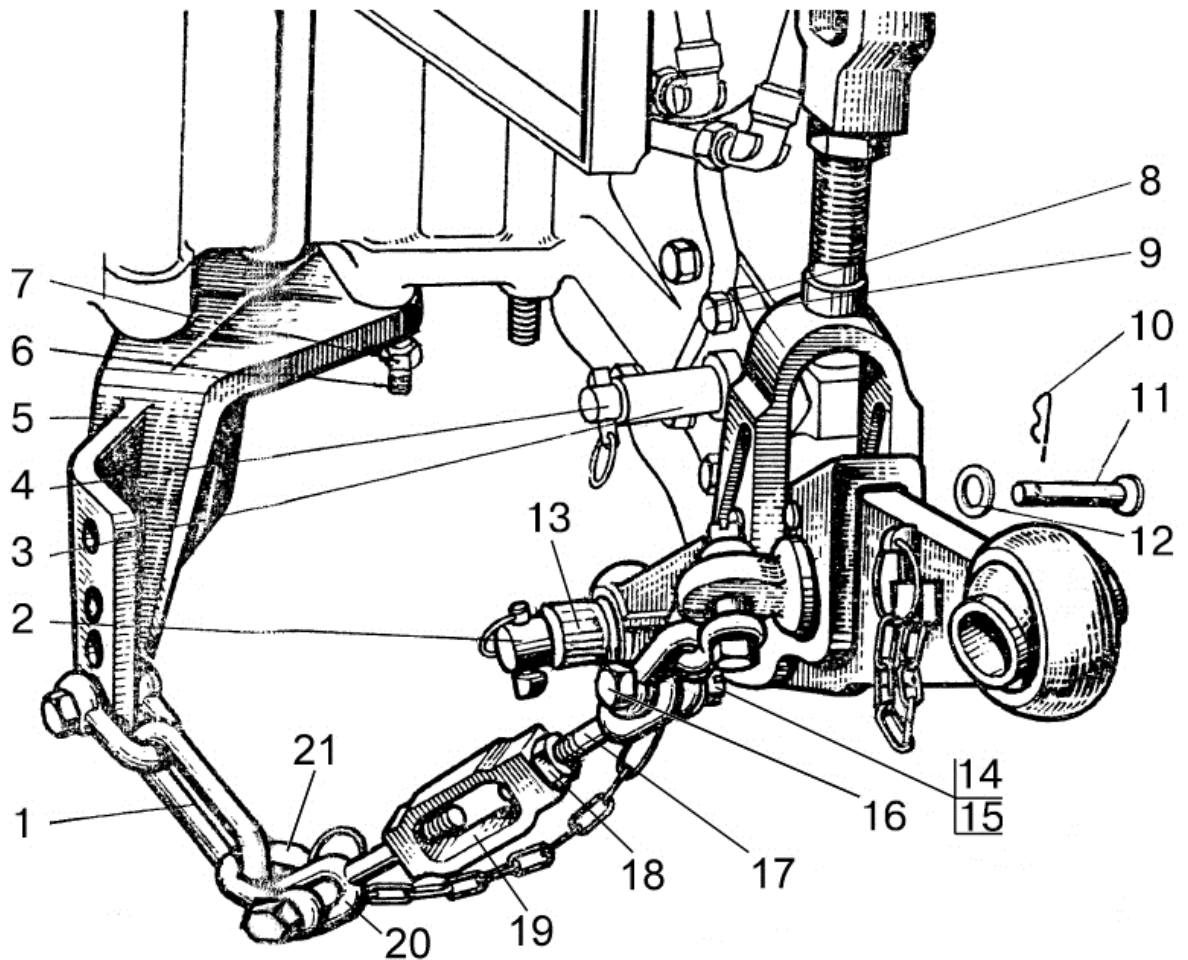


Fig. 46.2. External Interlock of Lift Links

Group 46. Hydraulic Lift Linkage
Subgroup 4605. External Interlock of Lift Links

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.2		A61.04.000	2	Turnbuckle (17-20)
	1	40-4605098	2	Ring
	2	F50-4605026	1	Axle
	3	F50-4605097	2	Bush
	4	F50-4605020	2	Bracket
	5	F50-4605091 or 80-4605091	1	Left bracket
		F50-4605092 or 80-4605092-01	1	Right bracket
	6	50-4609082	8	Stud
	7	M16x1,5	16	Nut
	8	M16x40	8	Bolt
	9	ShP 16	16	Washer
	10	A61 07 001	2	Cotter pin
	11	F50-4605084	2	Pin
	12	ShCh 18	4	Washer
	13	70-4605047	2	Bush
	14	3,2x18	8	Studs
	15	M12	8	Nut
	16	50-4605086	8	Bolt
	17	A61.04.002	2	Screw
	18	M18	2	Nut
	19	A61.04.003	2	Turnbuckle
	20	A61.04.002-01	2	Screw
	21	A61.09.002	8	Link

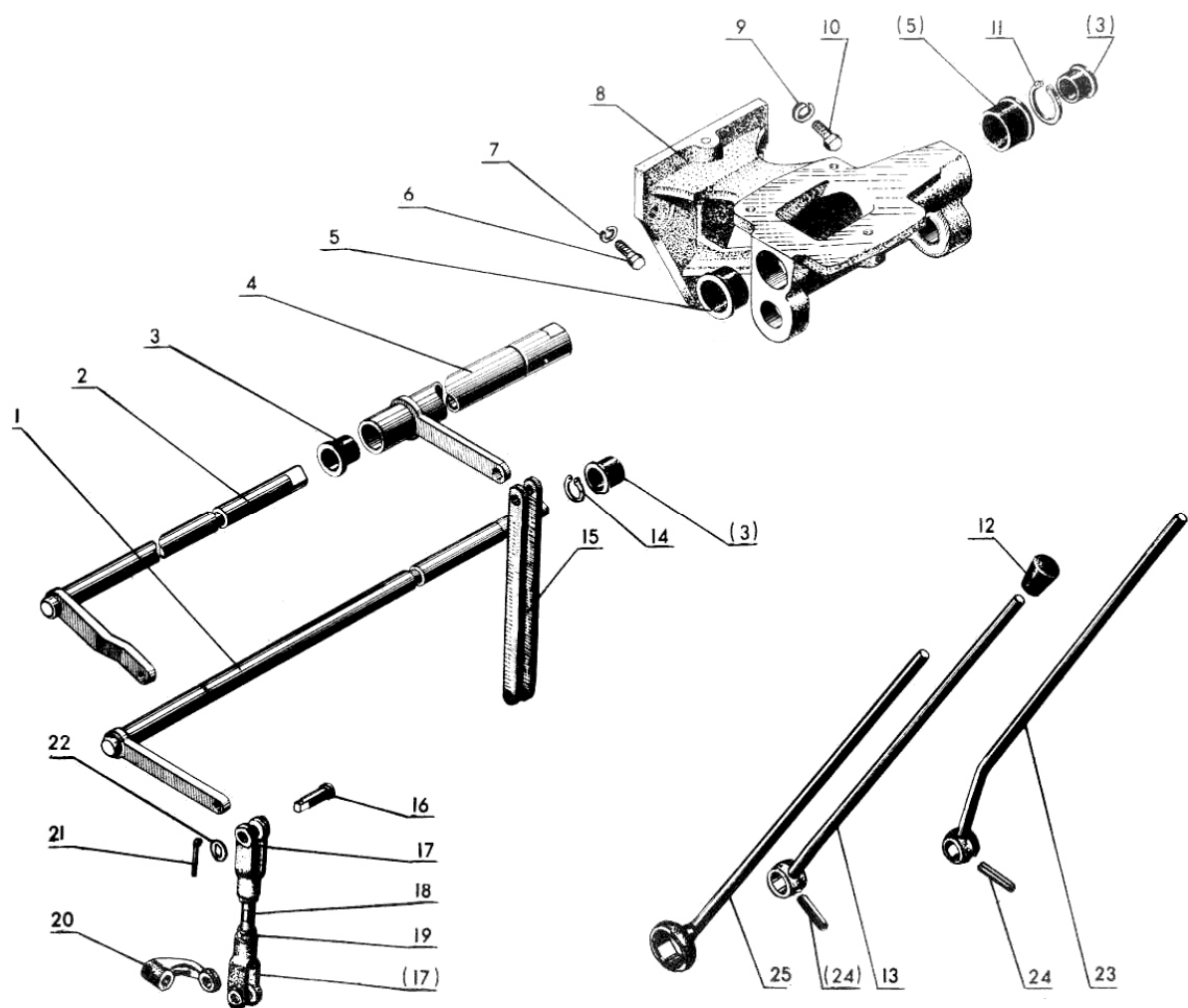


Fig. 46.3. Hydraulic Unit Control

Group 46. Hydraulic Lift Linkage
Subgroup 4607. Hydraulic Unit Control

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.3		70-4607040	1	Bracket (1-5, 8, 11, 13, 23-27)
	1	70-4607220-B	1	Shaft
	1	70-4607250	1	Shaft
	3	5 0-4 60 70 78-A	4	Bush
	4	70-4607240	1	Shaft
	5	50-460779-A-1	2	Bush
	6	M10x30	1	Bolt
	7	ShP 10	1	Washer
	8	70-4607017-B	1	Bracket
	9	ShP 12	2	Washer
	10	M12x35	2	Bolt
	11	2S32	2	Ring
	12	A61.01.014	4	Handle
	13	70-4607076	1	Lever
	14	2S18	1	Ring
	15	70-4607087	4	Rod
	16	A61-030-A1	8	Pin
	17	A20-213-A	2	Fork
	18	50-4607087	1	Rod
	19	M8	2	Nut
	20	50-4607086-A	3	Lever
	21	3,2x18-001	8	Cotter pin
	22	70-4607144	8	Washer
	23	70-4607074	1	Lever
	24	8x30	2	Pin
	25	70-4607077	1	Lever

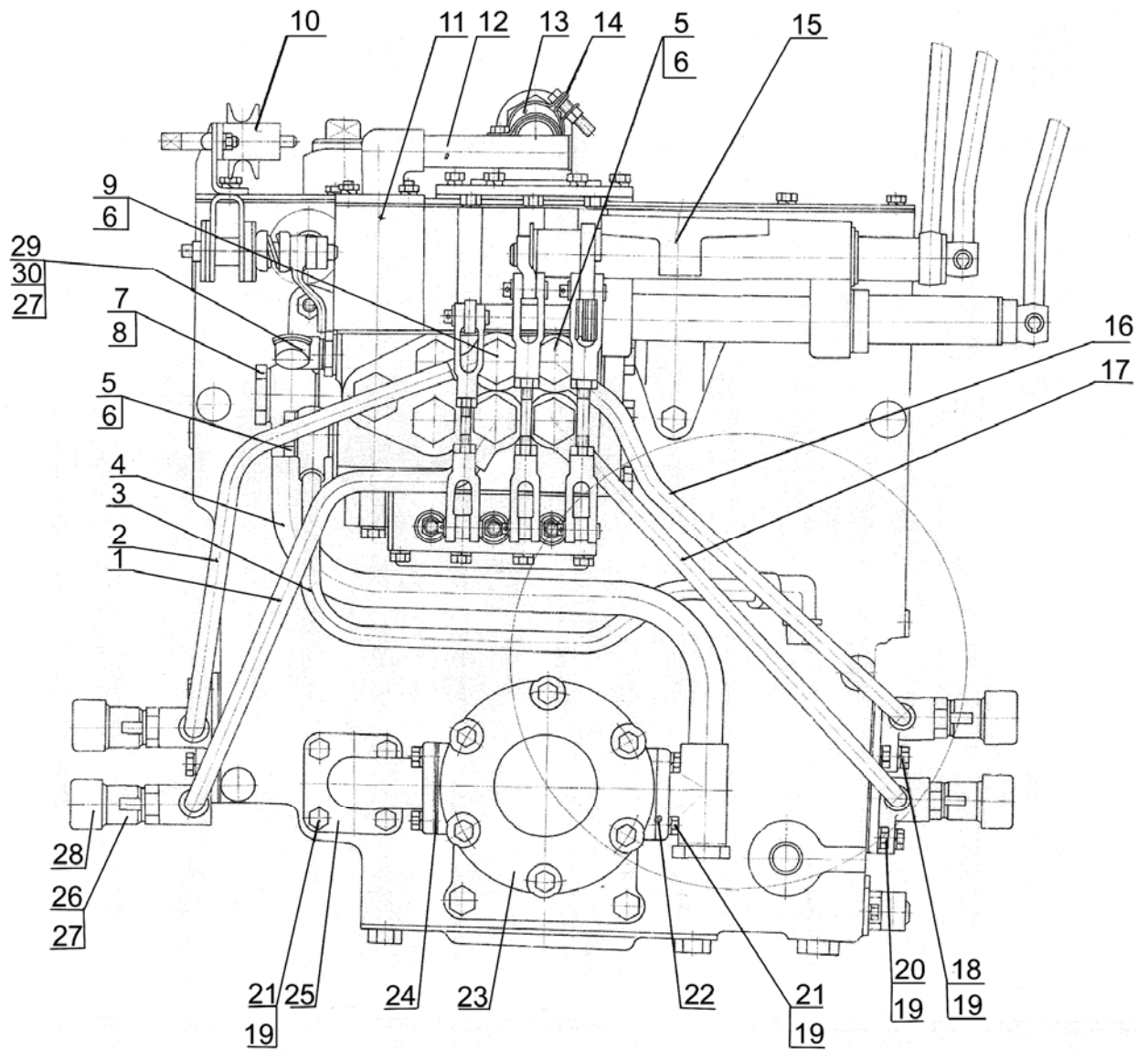


Fig. 46.4. Fittings of Hydraulic Unit Housing

Group 46. Hydraulic Lift Linkage
Subgroup 4607. Fittings of Hydraulic Unit Housing

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.4	1	70-4607130	1	Pipeline
	2	70-4607120	1	Pipeline
	3	70-4607410	1	Pipe
	4	R50-4607075-A	1	Pipe
	11	R80-3/4-222-3Gr	1	Hydraulic distributor
	12	70H-4607010	1	Pipeline
	5	40-4607032	3	Bolt
	6	40-4607038-A	10	Washer
	7	40-4607037	1	Bolt
	8	40-4607033-A	2	Washer
	9	50-4607031	2	Bolt
	10	70-1310410-B	1	Control box
	13	50-4607063-B2-01	1	Force hose
	14	HS 31	2	Clamp
	15	70-4607040-B	1	Bracket
	16	50-4607110	1	Pipe
	17	50-4607115	1	Pipe
	18	M8x30	4	Bolt
	19	ShP8		Washer
	20	M8x20	4	Bolt
	21	M8x25	12	Bolt
	22	035-40-30-2-2	1	Ring
	23	NSh32UKF-3 or NSh32D-3	1	Gear pump
	24	50-4607097	4	Gasket
	25	50-4607096-A	1	Connection
	26	3057-4616330-A	4	Valve of the lock unit Ø12
	27	017-022-30-2-2	5	Ring
	28	50-4607039-A	4	Cap
	29	40-3405061-A	1	Union
	30	40-3405062	1	Nut

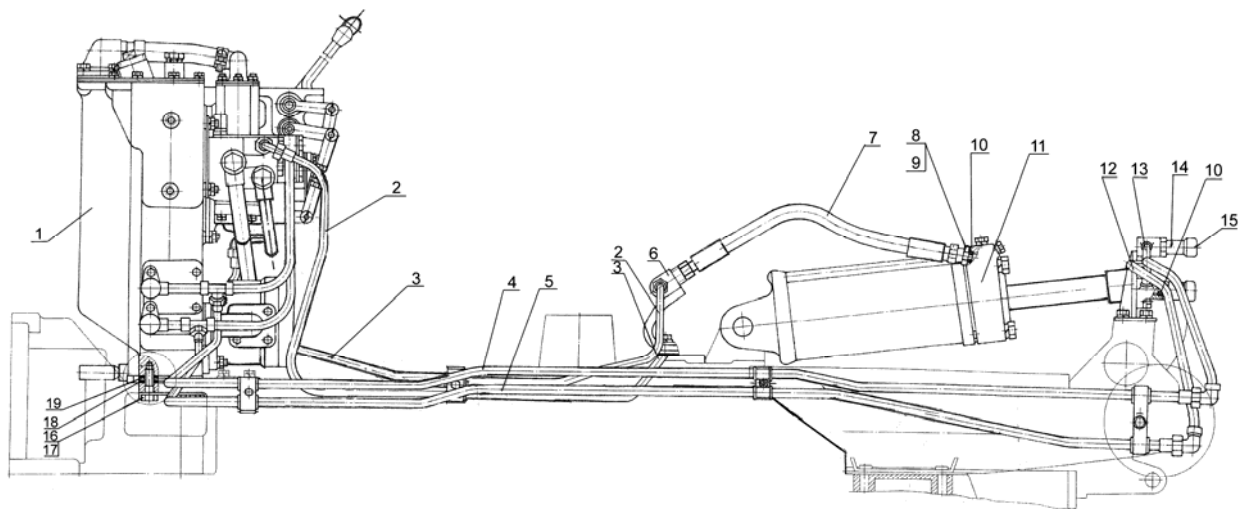


Fig. 46.5. Hydraulic Units and Fittings

Group 46. Hydraulic Lift Linkage
Subgroup 4607. Hydraulic Units and Fittings

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.5	1	R70-4600015	1	Body of hydraulic system
	2	70-4607370	1	Pipe
	3	70-4607380	1	Pipe
	4	70-4607335	1	Pipe
	5	70-4607340	1	Pipe
	6	80-4605050	1	Bracket
	7	N 036.83.140	2	High-pressure hose Ø12
	8	70-1405089	1	Union
	9	N 036.65.000A2-06	1	Slowing-down valve
	10	017-022-30-2-2	4	Ring
	11	C100x200-3	1	Hydraulic cylinder
	12	70-4607400-B	1	Pipe
	13	70-4607395-B	1	Pipe
	14	3057-4616330-A	2	Valve of the lock unit Ø12 left
	15	50-4607039-A	2	Valve
	16	M14x1,5-6gx45	4	Bolt
	17	70-4607168	2	Plate
	18	50-4607049	2	Gasket
	19	70-4608072	1	Plate

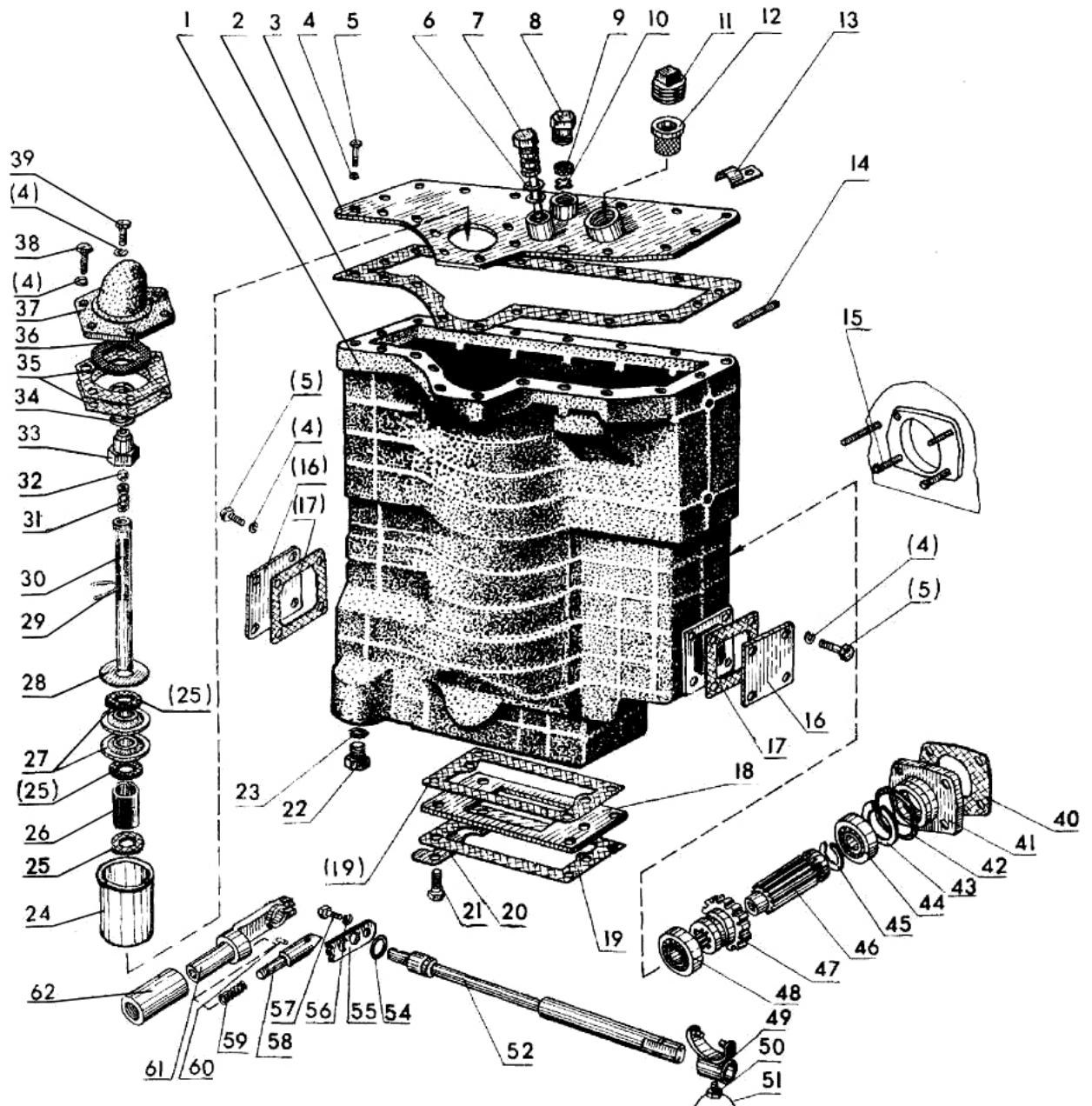


Fig. 46.6. Housing of Hydraulic Units, Filter and Hydraulic Pump Drive

Group 46. Hydraulic Lift Linkage
Subgroup 4608. Housing of Hydraulic Units, Filter and Hydraulic Pump Drive

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.6		50-4608010-B1	1	Body (1-17, 22-33)
		80-4608011	1	Cover (3, 8-10)
		80-4608012	1	Filter (24-33)
		36-1022070	1	Handle (58-62)
	1	80-4608016	1	Body of hydraulic system
	1	80-4608031	1	Gasket
	3	80-4608025	1	Cover
	4	252135-P2	20	Washer BT 65G IG
	5	ShP 8	14	Bolt M8x20x
	6	011-015-25-2-2	2	Ring
	7	70-4608065-A	1	Oil meter
	8	5 0-46 08059	1	Plug of the breather
	9	50-4608063	1	Filter
	10	50-4608062	1	Washer
	11	PK KG-1 1/4 "	1	Plug
	12	F-61S06-A2	1	Filter
	13	50-3723022	1	Cramp
	14	10x20	6	Stud
	15	M10x40	2	Bolt
	16	70-4608019	2	Cover
	17	70-4608033	2	Gasket
	18	70-4608072	1	Plate
	19	50-4608049	2	Gasket
	20	70-4607168	2	Plate
	21	M14x15	4	Bolt
	22	50-468027-V	1	Plug
	23	40-4607068	1	Ring
	24	40-4608036	1	Body of the filter
	25	80-4608024	2	Ring
	26	80-4608074	1	Bush
	27	54.57.020-A	12	Filter cartridge
	28	80-4608013	1	Deflector
	29	1,0-0-S	1	Wire L=90
	30	80-4608014-B1	1	Pipe of the filter
	31	54.06.413	1	Spring
	32		1	Ball V 15,081 mm
	33	80-4608036	1	Valve body
	34	50-4608057	1	Spring
	35	50-4608032-B	1	Gasket
	36	50-4608039	1	Ring
	37	50-4608018-B	1	Cover
	38	M8x30	4	Bolt
	39	M8x25	2	Bolt
	40	36-1022054-A	1	Gasket
	41	50-4604036	1	Sleeve
	42	50-4604048	1	Ring
	43	K-2V90	1	Ring
	44	210	1	Bearing
	45	NK-2V50	1	Ring
	46	70-4604034	1	Shaft
	47	50-4604032-A	1	Gear
	48	208	1	Bearing
	49	50-4604030	1	Fork
	50	50-4604046	1	Bolt of the fork
	51	1-0-S	1	Wire L=150 mm

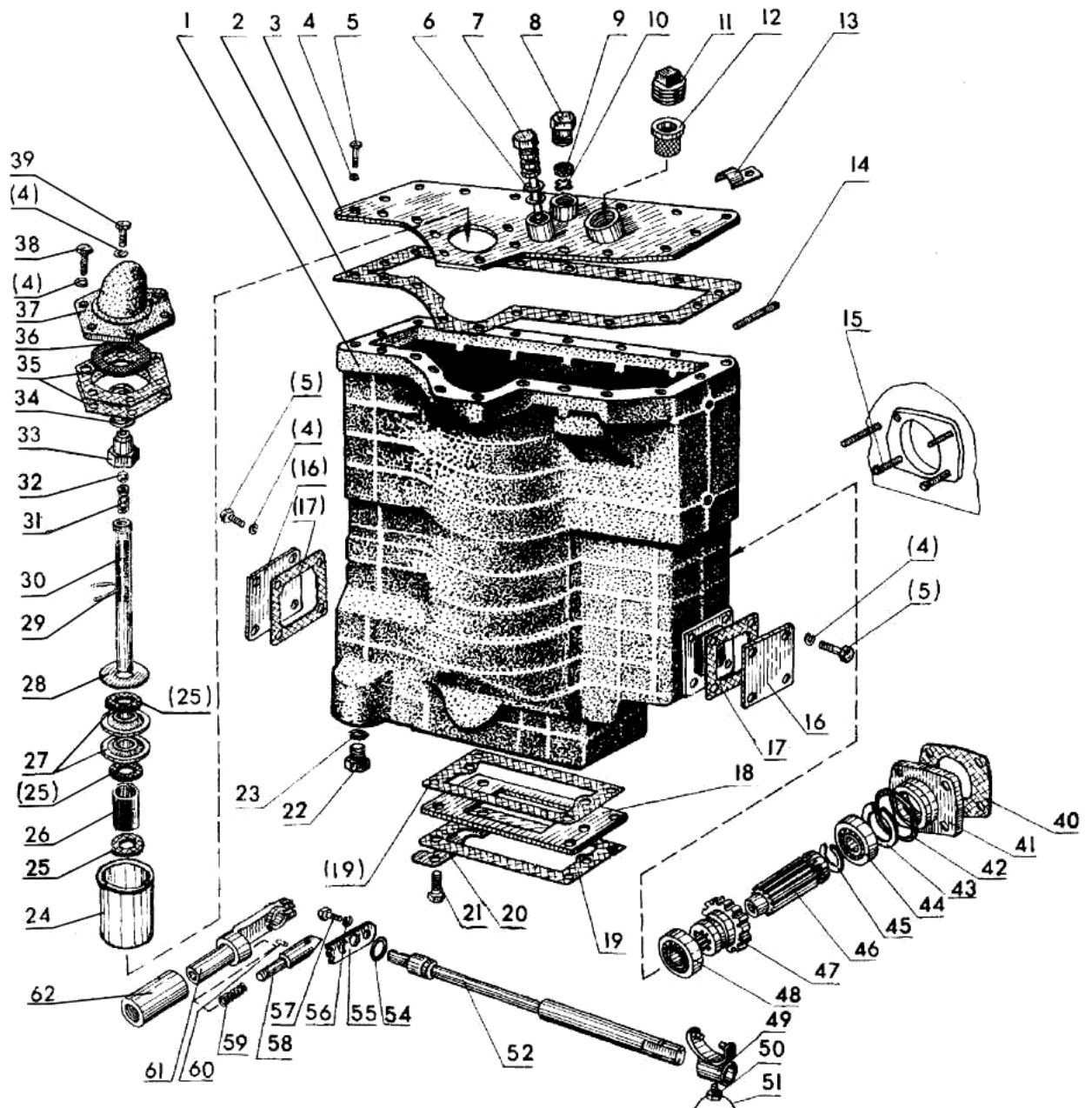


Fig. 46.6. Housing of Hydraulic Units, Filter and Hydraulic Pump Drive

Group 46. Hydraulic Lift Linkage
Subgroup 4608. Housing of Hydraulic Units, Filter and Hydraulic Pump Drive

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.6	52	50-4604042	1	Shaft
	54	50-4604047	1	Ring
	55	50-4604044	1	Plate
	56	ShP 8	2	Washer
	57	M8x16	2	Bolt
	58	36-1022073	1	Lock
	59	36-1022074	1	Spring
	60	4S ₃ x16	1	Pin
	61	36-1022071	1	Handle
	62	36-1022072	1	Sleeve

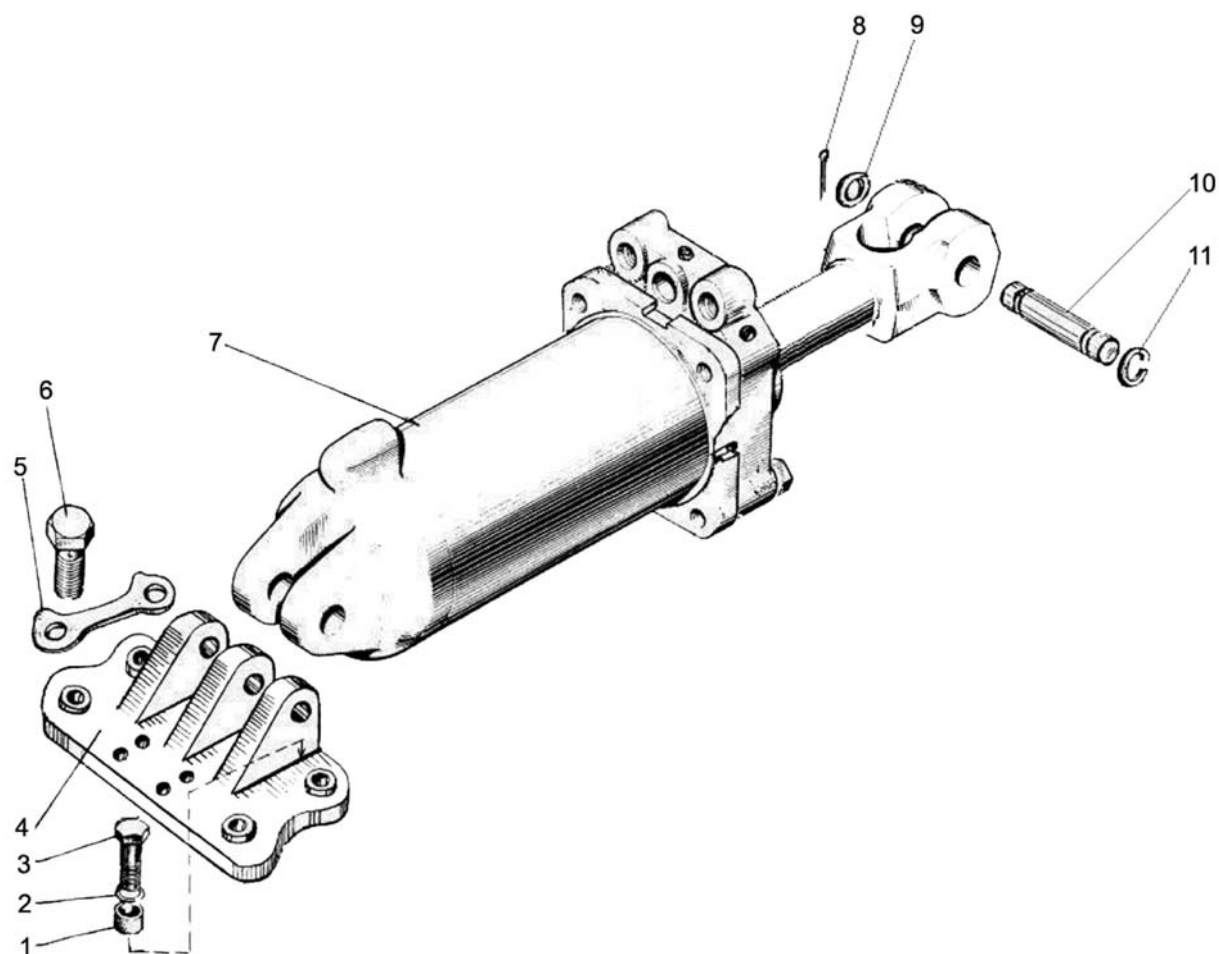


Fig. 46.7. Hydraulic Cylinder C 100x200

Group 46. Hydraulic Lift Linkage
Subgroup C 100. Hydraulic Cylinder C 100x200

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.7	1	70-4605041	2	Bush
	2	ShCh 20	2	Washer
	3	70-4605036-01	2	Bolt
	4	70-4605017-A	1	Bracket
	5	70-4605034	2	Plate
	6	70-4605036	2	Bolt
	7	C100x200-3	1	Hydraulic cylinder
	8	5x36	1	Cotter pin
	9	70-4619042	1	Washer
	10	C90-1212037M	1	Pin
	11	50-34 06022A	1	Ring

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Group 46. Hydraulic Lift Linkage
Subgroup R80-3/1-222-3Gg. Distributor R80-3/1-222-3Gg

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.8		R80-3/1-222-3Gg	1	Hydrodistributor (1-74)
	1	R80-23.30.421	1	Body
	2	R75-V-028-A	7	Gasket
	3	R80-23.20.063	1	Jack
	4	MKPV-16/ZF-101	1	Needle
	5	MKPV-16/ZF-104	1	Spring
	6	R80-049 B	1	Adjusting screw
	7	017-022-30-2-2	3	Ring
	8	R75-058-B	1	Nut
	9	R75-051-V	1	Cap
	10	ShP 8	25	Washer
	11	M8x110	3	Bolt
	12	M8x100	6	Bolt
	13	R80-23.20.123 or R80-23.20.123-B	1	Lower cover
	14	R40/75-0708039-B	1	Gasket
	15	KG 1/4"	1	Plug
	16	50-4608027-V	1	Plug
	17	14,288	3	Ball
	18	R80-23.20.007	3	Guide
	19	R80-23.20.002	3	Spring
	20	R80-23.20.003	3	Washer
	21	024-028-25-2-2	3	Ring
	22	R80-23.20.004	2	Adapter
	23	R75-090A	6	Plug (technological)
	24	R75-3-038	1	Gasket
	25	R75-3-057	1	Plate of the rings
	26	M8x20	8	Bolt
	27	R75-3-055-B	1	Plate of the duster
	28	R75-056M	3	Duster
	29	R80-23.20.353-G1	1	Plate
	30	028-033-30-2-2	3	Ring
	31	M12x1,25	3	Nut
	32	ShP 12	3	Washer
	33	R75-054-B	3	Lever
	34	3x6,5	3	Key
	35	R80-23.20.065	3	Ring
	36	R80-23.20.064	3	Ring
	37	2x6	2	Rivet
	38	M8x55	8	Bolt
	39	M10x25	2	Bolt
	40	ShP 10	2	Washer
	41	R80-23,20.071B	1	Stop
	42	R80-23.20.022 or R80-23.20.022-A	1	Upper cover
	43	032-037-30-2-2	1	Ring
	44	R80-23.30.073	1	Guide

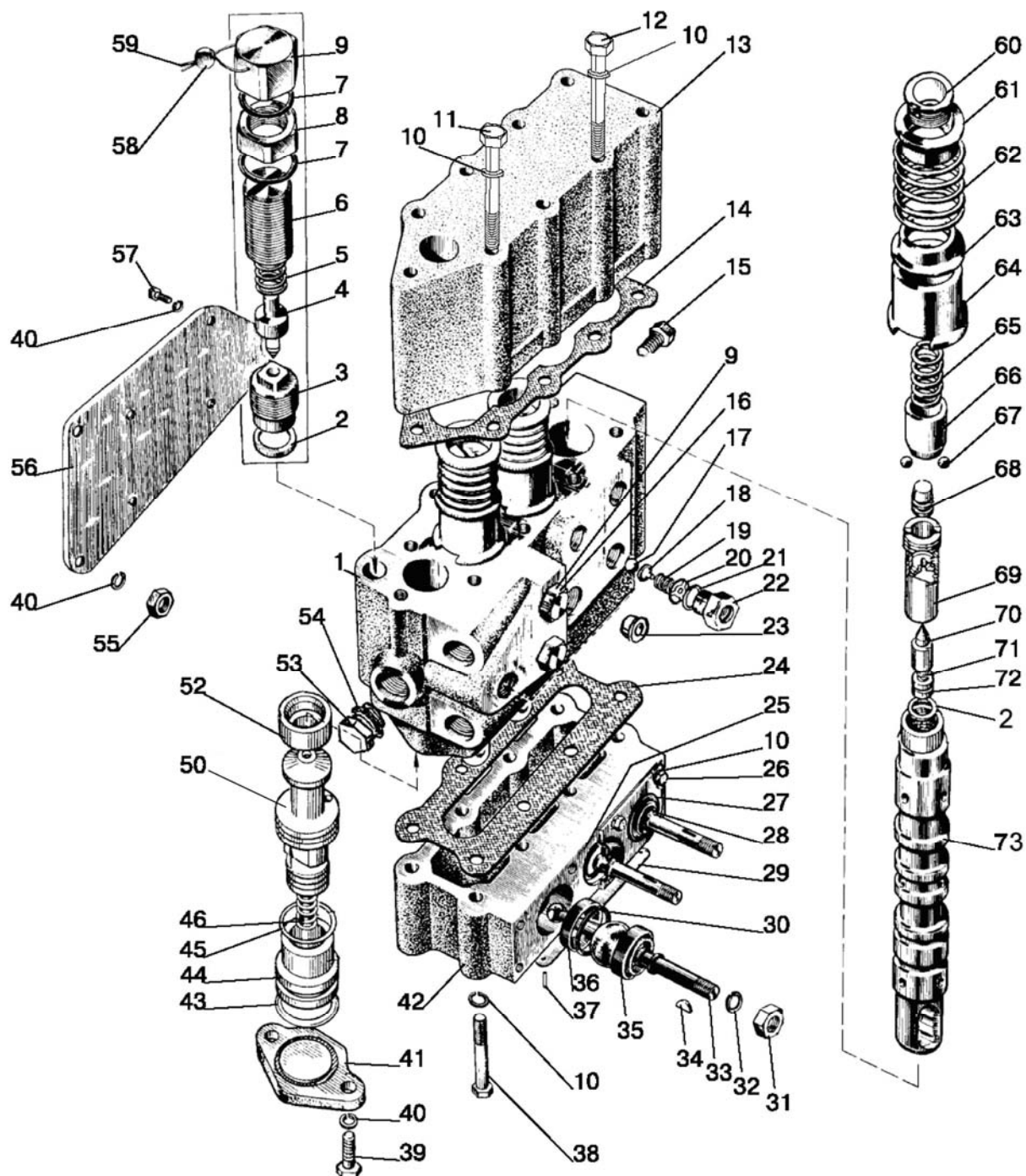


Fig. 46.8. Distributor R80-3/1-222-3Gg

Group 46. Hydraulic Lift Linkage
Subgroup R80-3/1-222-3Gg. Distributor R80-3/1-222-3Gg

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.8	45	025-030-30-2-3		Ring
	46	R75-072	1	Spring
	50	R80-23.20.041	1	Overload relief valve
	52	R80-23.20.043	1	Valve jack
	53	85-4608021-B	1	Plug
	54	025-029-25-2-2	1	Ring
	55	M10	3	Nut
	56	50-4607032-B	1	Bracket
	57	M10x20	4	Bolt
	58	R40/75-0808076	1	Seal
	59	1,0x100	1	Wire
	60	R80-23.20.137	3	Plug
	61	R75-033	3	Lower sleeve
	62	R80-23.20.035	3	Spring
	63	R75-034	3	Upper sleeve
	64	R80-23.20.031	3	Cartridge
	65	R75-V-032	3	Spring
	66	R75-V-029	3	Bush
	67	6,35-100	9	Ball
	68	R80-23.20-025	3	Booster
	69	R80.23.20.046-B	3	Bush sleeve
	70	R80-23.20.045	3	Plunger
	71	R80-23.20.036	3	Spring
	72	R80-23.20.027	3	Jack
	73	R80-23.20.224	3	Valve

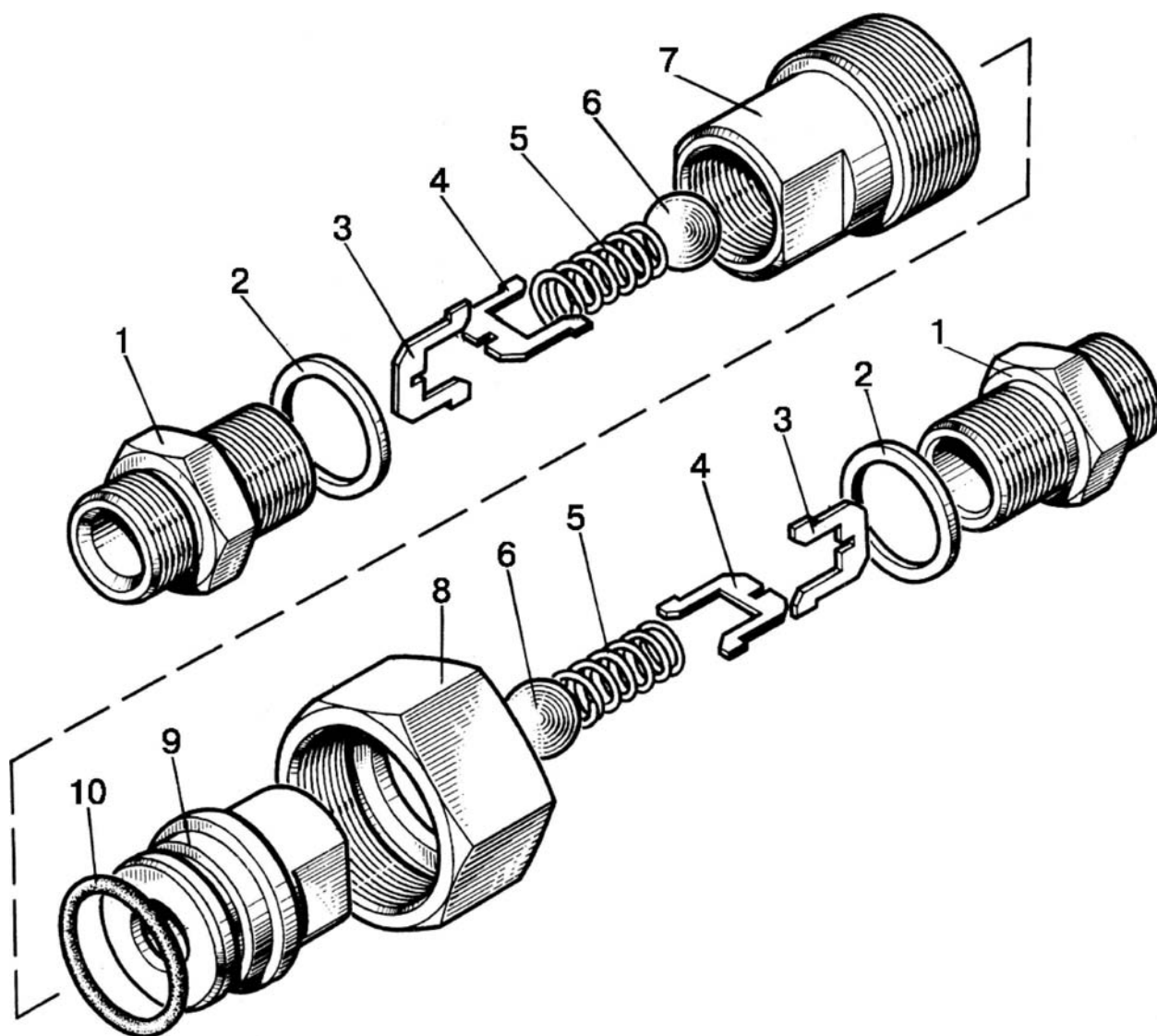


Fig. 46.9. Locking Device

**Group 46. Hydraulic Lift Linkage
Subgroup H.036. Locking Device**

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.9		3057-4616320	2	Locking device (1-10)
		3057-4616330-A	6	Valve of the locking device diameter 12 left (1-7)
		3057-4616350-A	6	Valve of the locking device diameter 12 right (1-6, 8-10)
		1057-4616340-A	2	Ready-fitted crossbar (3, 4)
	1	1057-4616338-B	2	Union
	2	017-021-25-2-2	2	Ring
	3	1057-4616344-A	2	Lower crossbar
	4	1057-4616342-A	2	Upper crossbar
	5	A16-2530034-1	2	Spring
	6	14,288-60	2	Ball
	7	1057-4616332-B	1	Body of the locking device Ø12 left
	8	1057-4616364-B	1	Captive nut
	9	1057-4616352-A	1	Body of the locking device Ø12 right
	10	022-027-30-2-3	1	Ring

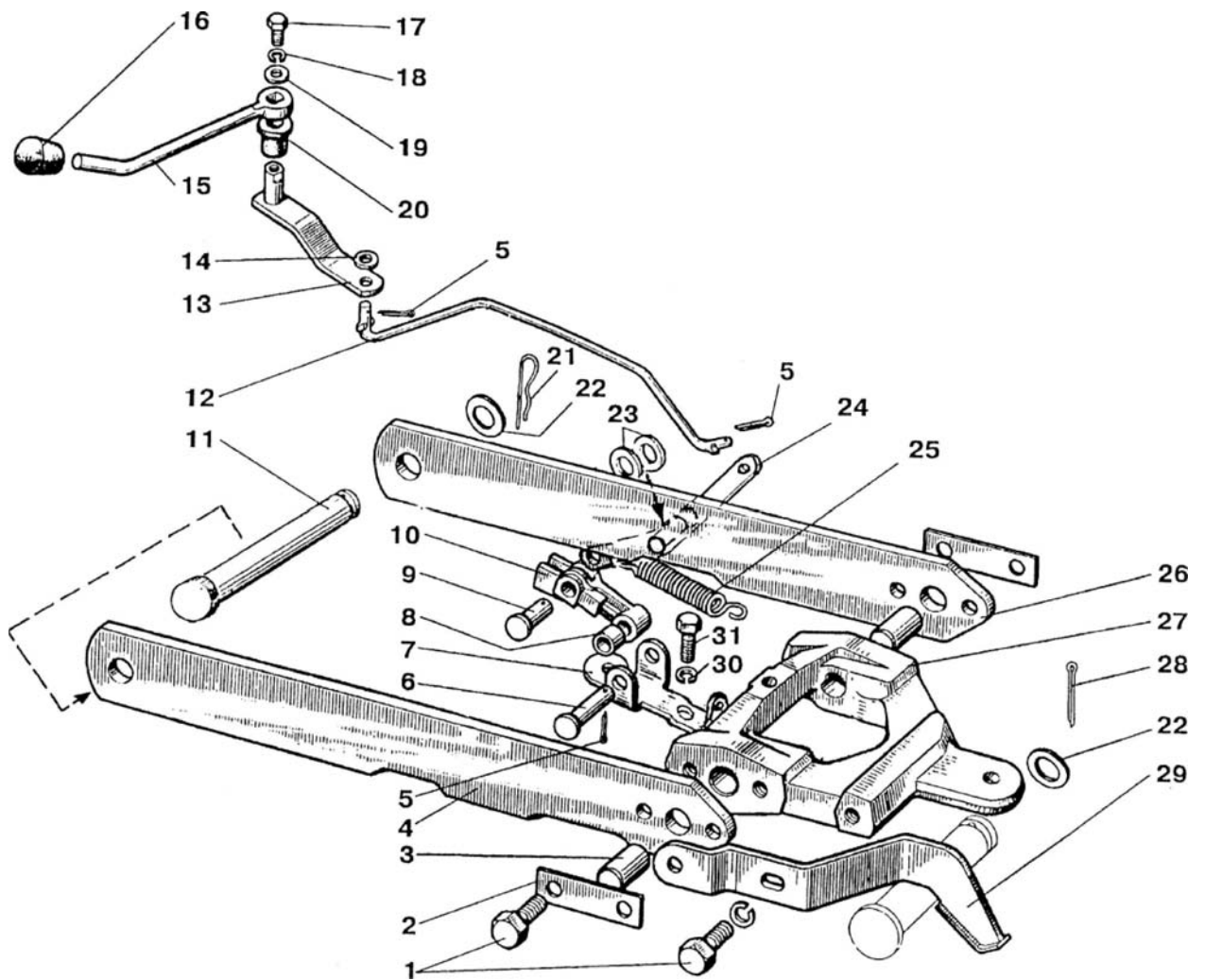


Fig. 46.10. Retention Mechanism

Group 46. Hydraulic Lift Linkage
Subgroup 4619. Retention Mechanism

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
46.10		80-4605110	1	Retention mechanism (1-31)
	1	M12x30	5	Bolt
	2	70-4619016	2	Locking plate
	3	85-4619017-01	2	Pin
	4	80-4619012-B-01	1	Rod
	5	3,2x18	5	Cotter pin
	6	12x48	1	Pin
	7	70-4619033	1	Bracket
	8	50-4605069-01	1	Bush
	9	12x32	1	Pin
	10	70-4619029-B	1	Lever
	11	80-4619019	1	Pin
	12	80-4619134	1	Rod
	13	85-4619035	1	Lever
	14	ShCh 8	1	Washer
	15	85-4619036	1	Handle
	16	70-3401093	1	Tip of the lever
	17	M6x14	1	Bolt
	18	ShP 6	1	Washer
	19	ShCh 6	1	Washer
	20	50-4607082-A	1	Bush
	21	A61.07.001	1	Cotter pin
	22	70-4619042	2	Washer
	23	85-4619014	2	Washer S=15 mm
	24	80-4619128	1	Lever
	25	50-1310158-B	1	Spring
	26	80-4619105	1	Rod
	27	80-4619011	1	Catch
	28	5x36	1	Cotter
	29	80-4619020	1	Plate
	30	ShP 8	2	Washer
	31	M8x16	2	Bolt

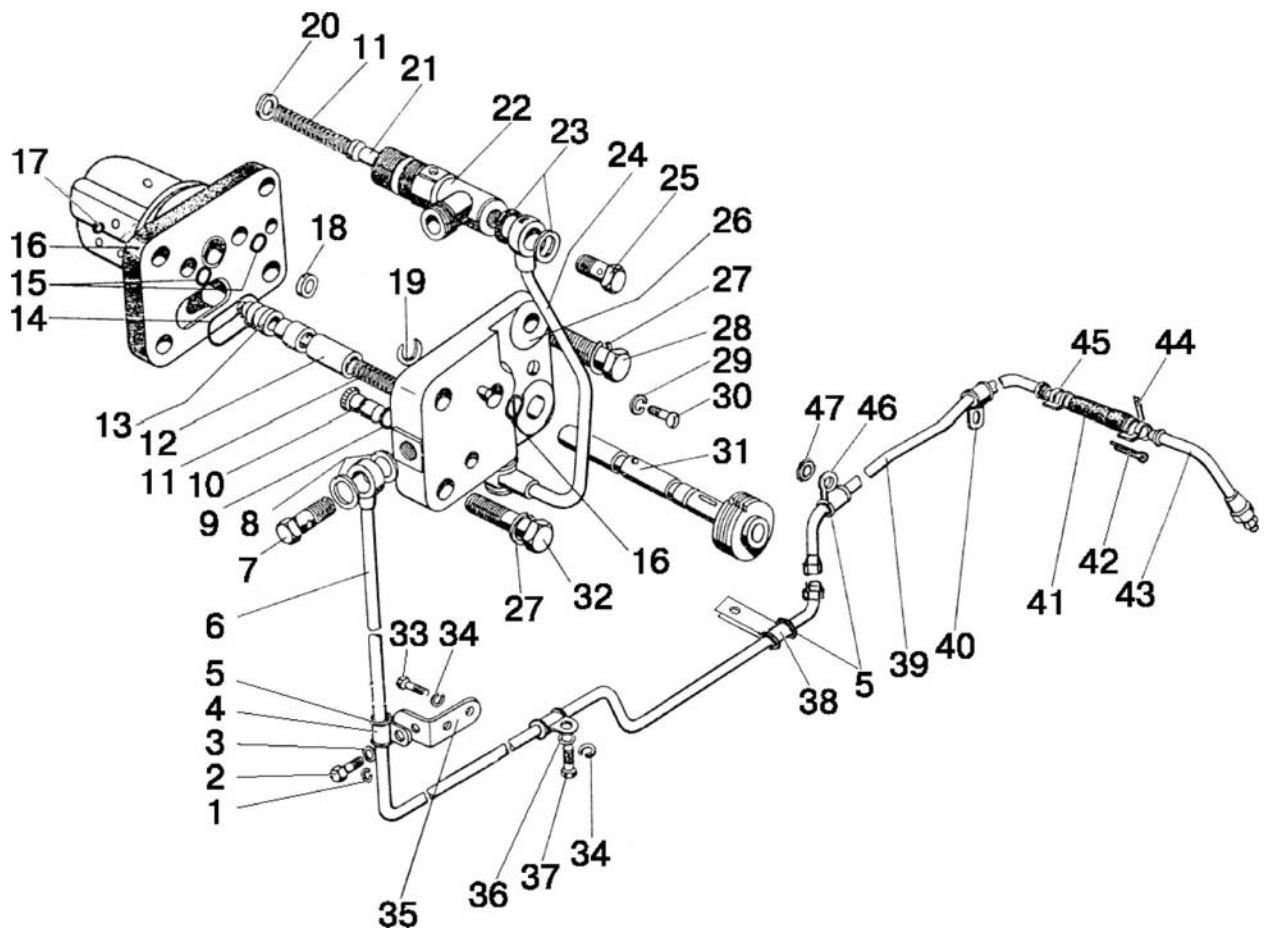


Fig. 48.1. Differential-lock Sensor. Fittings of Locking Sensor.

Group 48. Rear Axle Differential Lock Control and Fittings
Subgroup 4801, 4802. Differential-lock Sensor. Fittings of Locking Sensor.

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
48.1		70-4801010	1	Locking sensor (7, 9-19, 26, 28-31)
		70-4802005	1	Fittings of locking sensor (1-8, 23-25, 27, 32-47)
		70-4802010	1	Flow regulation valve (11, 20-22)
	1	ShP 8	1	Washer
	2	M8x25	1	Bolt
	3	ShCh 8	1	Washer
	4	70-4802046	2	Clamp
	5	PR-32	5	Gland
	6	70-4802030-B	1	Oil pipe
	7	D18-051	1	Swinging angle joint bolt
	8	D18-055-A	2	Ring
	9	006-010-25-24	1	Ring
	10	70-4801015	1	Feeler
	11	70-4801045	2	Spring
	12	70-4801011	1	Spool valve
	13	70-4801020	1	Tappet
	14	025-030-30-14	1	Ring
	15	008-012-25-14	3	Ring
	16	70-4801023	1	Housing
	17	5,556-40	1	Ball
	18	70-4801019	1	Bushing
	19	70-4801016	1	Stop
	20	70-3407147	1	Washer
	21	70-4802013	1	Valve
	22	70-4802011	1	Housing
	23	36-1104788	4	Gasket
	24	70-4802020	1	Oil pipe
	25	36-1104787	2	Pipe union bolt
	26	70-4801050	1	Cover
	27	ShP 16	4	Washer
	28	M12x50	2	Bolt
	29	ShP 6	1	Washer
	30	VM6x16	1	Screw
	31	70-4801030-B	1	Cock
	32	M12x40	2	Bolt
	33	M10x18	1	Bolt
	34	ShP 10	2	Washer
	35	70-4802060	1	Bracket
	36	ShCh 12	1	Washer
	37	M10x25	1	Bolt
	38	70-4802048	1	Clamp
	39	70-4802050-B	1	Oil pipe
	40	70-4802043	1	Clamp
	41	70-4802062	1	Hose
	42	6,3x36	2	Cotter pin
	43	70-4802040	1	Oil pipe
	44	287582-P8	2	Band
	45	297580-P8	2	Buckle
	46	70-4802045	1	Clamp
	47	ShCh 16	1	Washer

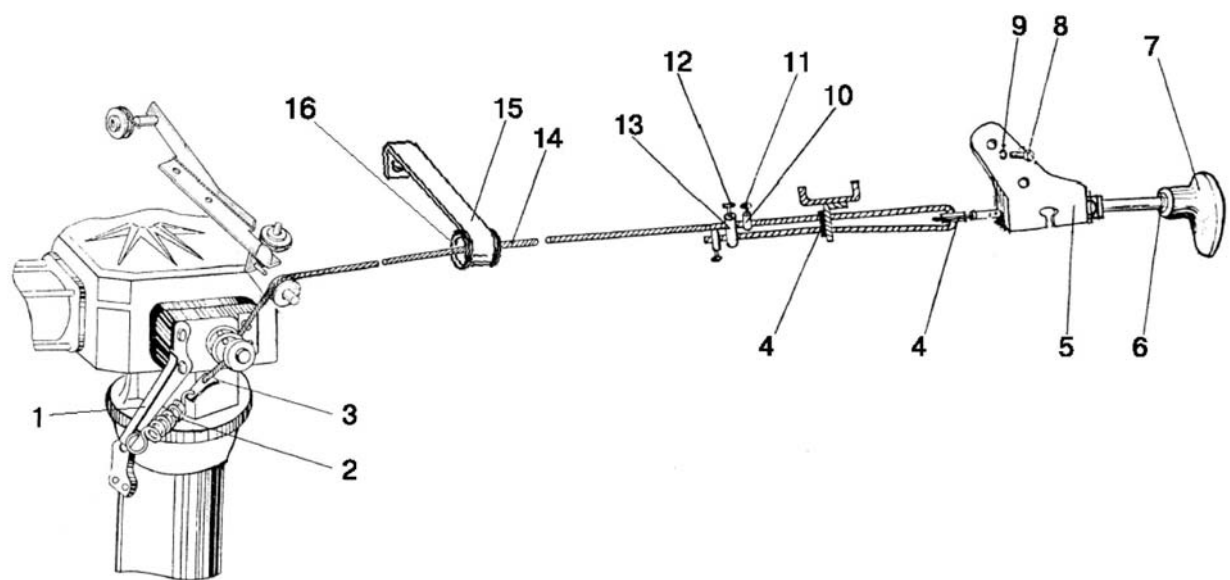


Fig. 48.2. Differential Lock Control

Group 48. Rear Axel Differential Lock Control and Fittings
Subgroup 4803. Differential Lock Control

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
48.2		80-4803010	1	Control
	1	70-4803018-B	1	Support
	2	70-4803019	1	Spring
	3	70-4803040	1	Control rope
	4	70-4803022	2	Bushing
	5	80-4803020-A	1	Support with rod
	6	M8	1	Nut
	7	70-4803060	1	Handle
	8	M6x14	2	Bolt
	9	ShP 6	2	Washer
	10	70-1310441	2	Lock pin
	11	VM4x8	2	Screw
	12	VM5x12	2	Screw
	13	70-4803023	1	Coupling
	14	70-4803050	1	Control rope
	15	70-4603027	1	Support
	16	70-4803022	1	Bushing

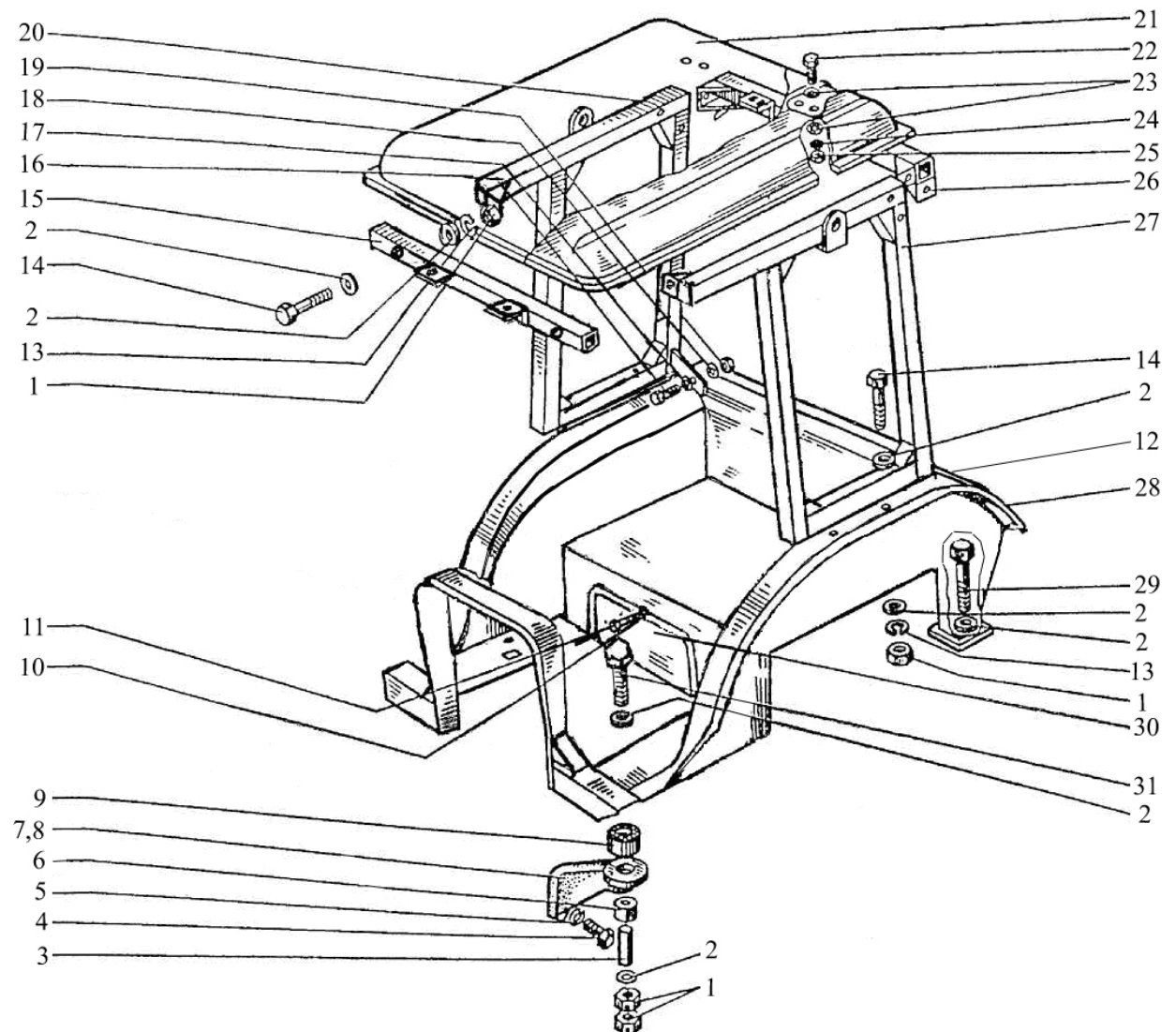


Fig. 67.1. Cab (canopy frame)

Group 67. Cab
Subgroup 6700. Cab (canopy frame)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
67.1	1	M12	18	Nut
	2	ShCh12	32	Washer
	3	70-6702306	4	Bushing
	4	M16x50	4	Bolt
	5	ShP16	4	Washer
	6	130-5001364-V	4	Lower cushion
	7	80-6702069	1	Support
	8	80-6702068	1	Support
	9	130-5001332	4	Upper cushion
	10	ShP8	2	Washer
	11	M8x16	2	Bolt
	12	70-6702150	1	Cover
	13	ShP12	10	Washer
	14	M12x75	10	Bolt
	15	70-6709140	1	Front crosspiece
	16	M10x35	2	Bolt
	17	ShCh10	2	Washer
	18	ShP10	2	Washer
	19	M10	2	Nut
	20	70-6709120	1	Side frame
	21	70-6709036	1	Cover
	22	M6x20	8	Bolt
	23	ShCh6	16	Washer
	24	ShP6	8	Washer
	25	M6	8	Nut
	26	70-6709130	1	Rear crosspiece
	27	70-6709120-01	1	Side frame
	28	70-6702020-03	1	Base
	29	M12x110	2	Bolt
	30	70-6702078-B	1	Cover
	31	M12x120	2	Bolt

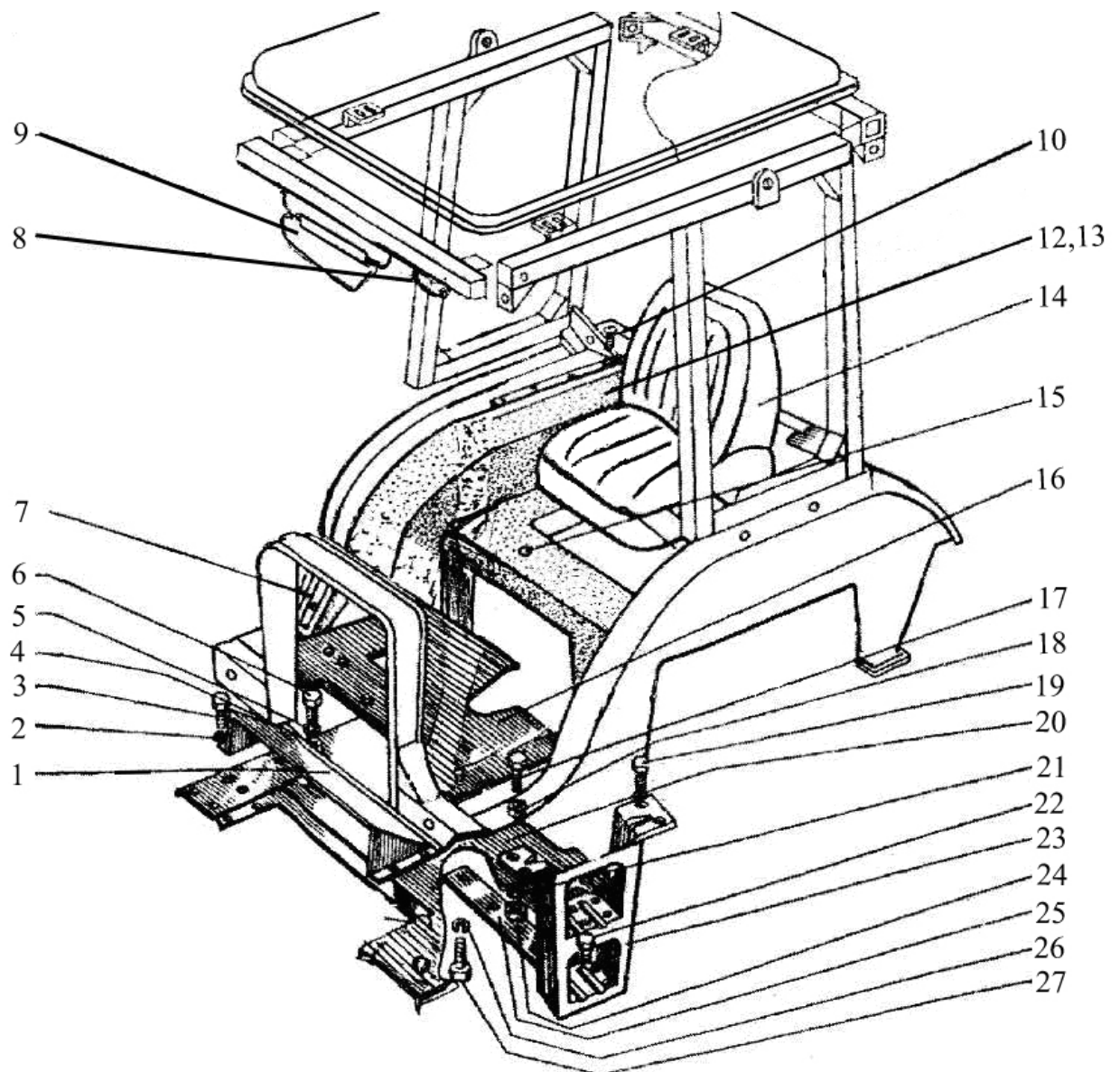


Fig. 67.2. Cab (canopy frame)

Group 67. Cab
Subgroup 6700. Cab (canopy frame)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
67.2	1	70-6702260	1	Hamper
	2	ShCh6	4	Washer
	3	M6x16	4	Bolt
	4	ShCh8	5	Washer
	5	ShP8	5	Washer
	6	M8x20	5	Bolt
	7	70-6702056	4	Clamp
	8	40-8201010-A	1	Mirror
	9	80P-8204010	1	Shield
	10	M4x10	16	Bolt screw
	12	70-6702188-01	1	Upholstery
	13	70-6702189-01	1	Upholstery
	14	70-6800000-A-02	1	Seat
	15	70-6702088-01	1	Upholstery
	16	70-6702074-B	1	Rug
	17	M10x25	1	Bolt
	18	70-8405114	1	Bushing
	19	M10x20	2	Bolt
	20	70-6702140	1	Pannel
	21	ShP10	5	Washer
	22	M10	5	Nut
	23	70-8405112	1	Foot board
	24	ShP16	1	Washer
	25	70-8405113	1	End stop
	26	ShP16	1	Washer
	27	M16x32	1	Bolt

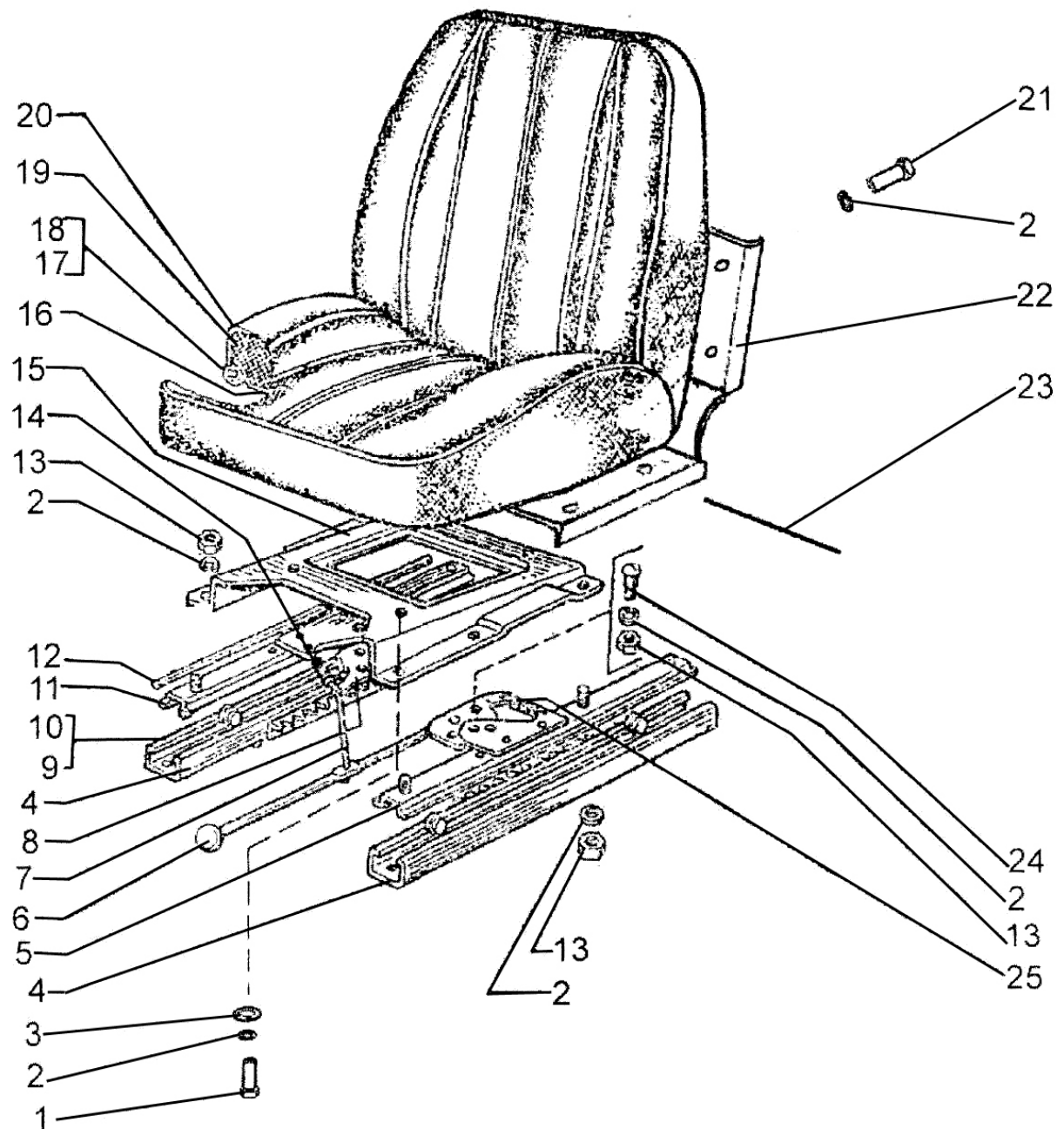


Fig. 68.1. Operator's Seat

Group 68. Seat
Subgroup 6800. Operator's Seat

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
68.1	1	M8x35	4	Bolt
	2	ShP 8	22	Washer
	3	ShCh 8	2	Washer
	4	70-6804420	2	Guide rail
	5	70-6804410	1	Guide rail
	6	70-6804430	1	Stop
	7	70-6804305	1	Draw bar
	8	70-6804432	1	Stop
	9	010-015-30-2-2	4	Ring
	10	70-6804391	4	Roller
	11	70-6804415	1	Guide rail
	12	70-6804394-B	4	Bar
	13	M8	7	Nut
	14	70-6804393	1	Spring
	15	70-6804014-A	1	Support
	16	70-6803060	2	Base
	17	ShCh 5	18	Washer
	18	80-6809041	9	Rivet
	19	80V-6804007	2	Cushion
	20	70-6803020	2	Slipcover
	21	M8x16	4	Bolt
	22	50-6800030	1	Body
	23	70-6803012	2	Axle
	24	70-6804392	1	Axle
	25	70-6804393	1	Spring

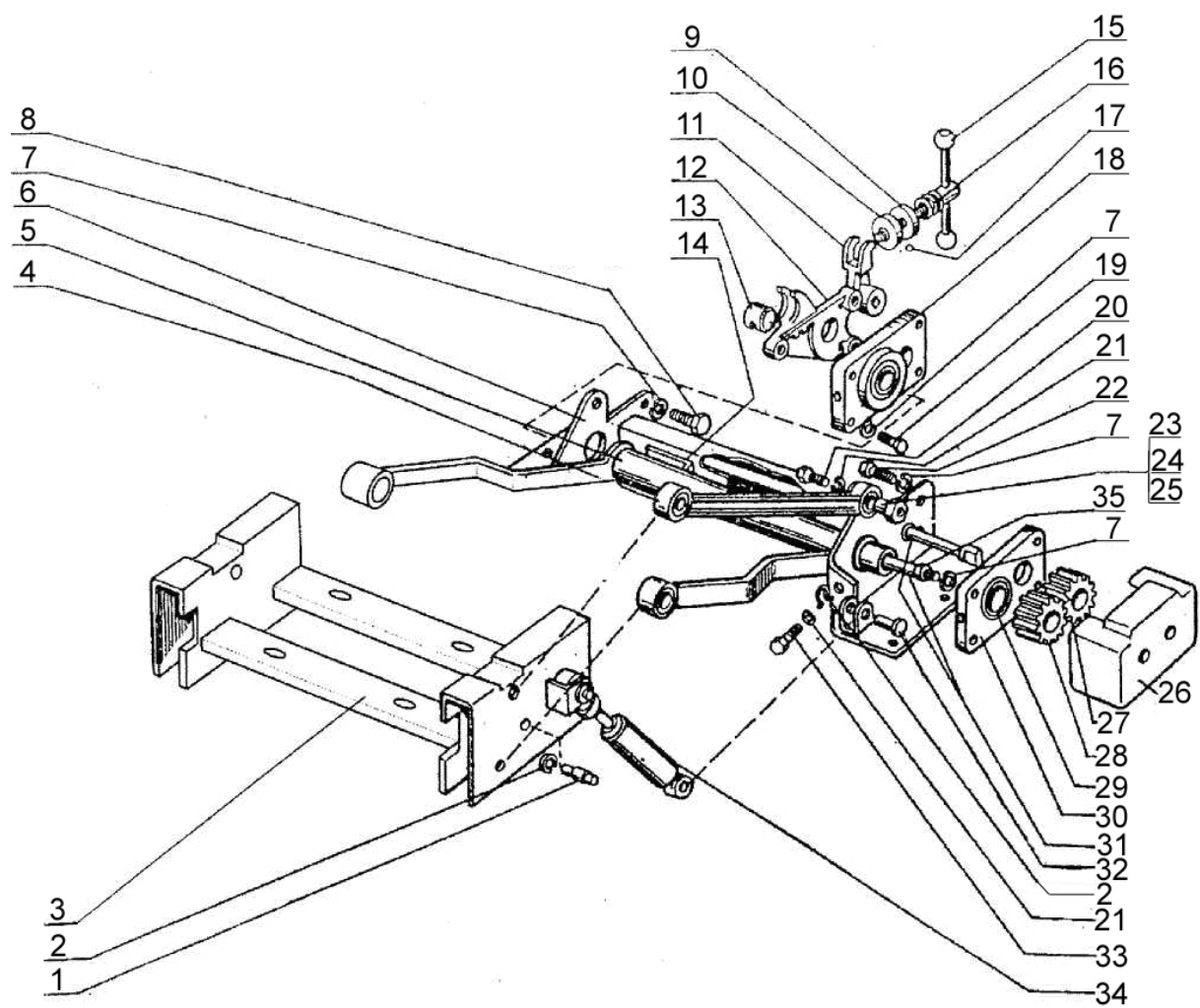


Fig. 68.2. Seat. Adjusting Mechanism

Group 68. Seat
Subgroup 6800, 6805. Seat. Adjusting Mechanism

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
68.2	1	85-6801012	1	Finger
	2	70-6801307	3	Washer
	3	70-6801410	1	Body
	4	85-6801360A	1	Lever
	5	85-6801320A	1	Balancer
	6	85-6801310	1	Frame
	7	ShP 8	7	Washer
	8	M8x40	2	Bolt
	9	70-6801013	1	Washer
	10	70-6801011	1	Cotter
	11	70-6801302	1	Lever
	12	70-6801301	1	Cover
	13	70-6801008	1	Nut
	14	PR-41	1	Shock-absorber
	15	70-6801080	1	Screw
	16	130-3520057-B	1	Spring
	17	5.0-100	11	Ball
	18	85-6801330	1	Support
	19	M8x25	1	Bolt
	20	M10x35	6	Bolt
	21	ShP 10	10	Washer
	22	M8x55	2	Bolt
	23	85-6801006	6	Bushing
	24	85-6801309	2	Washer
	25	M10	1	Nut
	26	85-6801340	1	Housing
	27	3x15,8A3	1	Roller
	28	70-6801303-B	2	Coupler
	29	85-6801305	2	Bushing
	30	85-6801330	1	Support
	31	70-6801304	2	Torsion bar
	32	85-6801012-01	1	Finger
	33	M10x18	2	Bolt
	34	80-6809100	1	Shock-absorber
	35	M8x35	2	Bolt

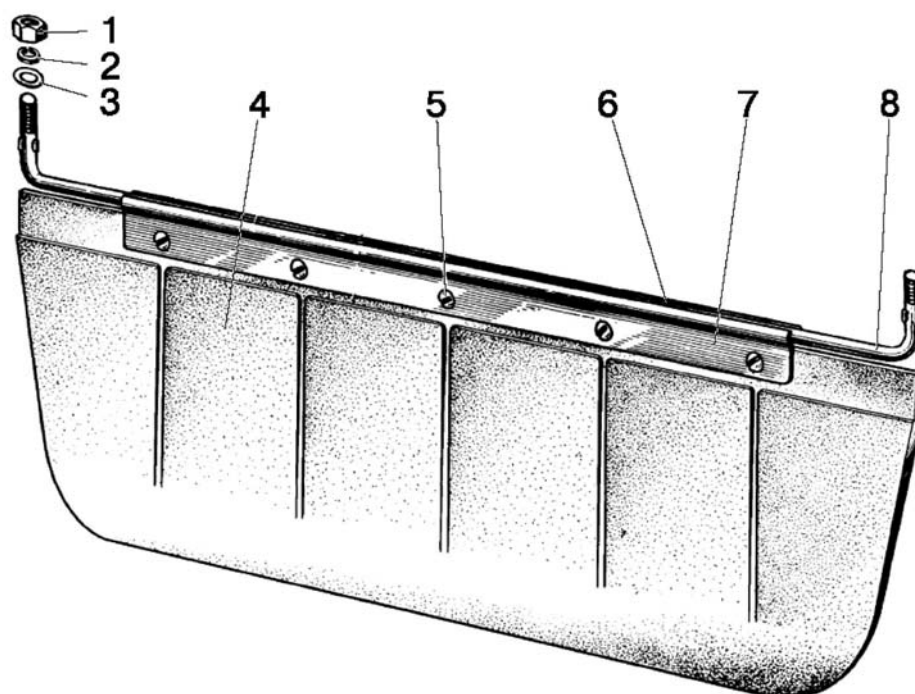


Fig. 82.1. Sun Visor

Group 82. Cabin Accessories
Subgroup 8204. Sun Visor

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
82.1		80P-8204010	1	Sun Visor (4-8)
	1	M6	2	Nut
	2	ShP 6	2	Washer
	3	ShCh 6	2	Washer
	4	70-8204011-A	1	Shade
	5	VM4x10	5	Screw
	6	70-8204015	1	Holder
	7	70-8204014	1	Holder
	8	80P-8204011-01	1	Axle

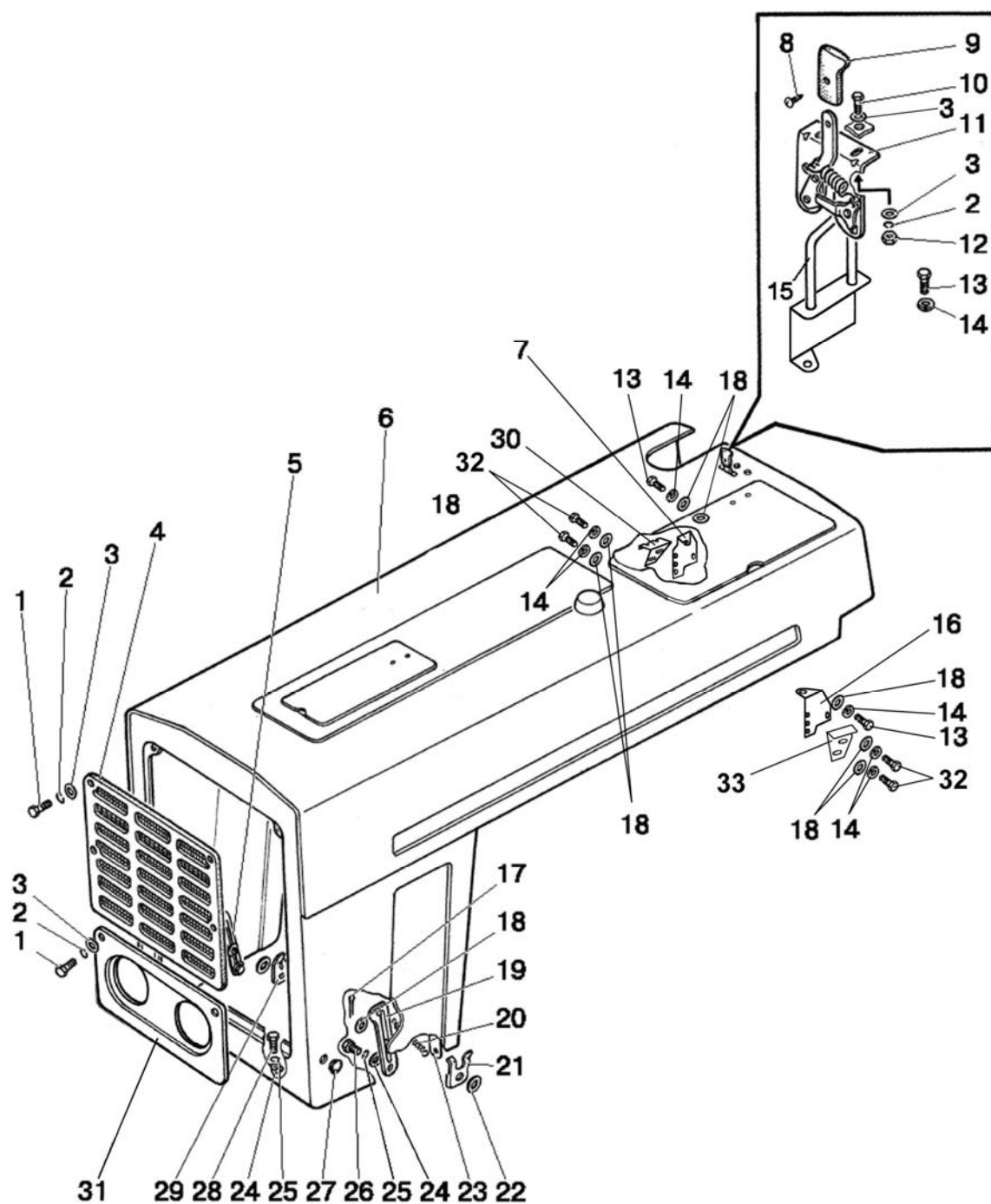


Fig. 84.1. Grille. Hood

Group 84. Empennage
Subgroup 8401, 8402. Grille. Hood

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
84.1		80-8400005-08	1	Grille (1-33)
	1	M6x35	6	Bolt
	2	ShP 6	8	Washer
	3	ShCh 6	10	Washer
	4	80-8401070	1	Grill
	5	50-8400016-A	1	Sector
	6	80-8402020-01	1	Hood
	7	80-8402060-V	1	Support
	8	4x10	1	Bolt screw
	9	80-6105056	1	Handle
	10	M6x16	2	Bolt
	11	80-8402410	1	Lock
	12	M6	2	Nut
	13	M8x20	2	Bolt
	14	ShP 8	6	Washer
	15	80-8402420-A	1	Buckle
	16	80-8402065-V	1	Support
	17	3,2x18	2	Splint
	18	ShCh 8	9	Washer
	19	50-8400017-A	1	Sector
	20	50-1310158-B	1	Spring
	21	80-8401004-01	1	Grip
	22	ShCh 16	2	Washer
	23	80-8400014	1	Lever
	24	ShCh 10	6	Washer
	25	ShP 10	6	Washer
	26	50-8400024	2	Bolt
	27	50-2401071	2	Plug
	28	M10x25	4	Bolt
	29	80-8401004	1	Grip
	30	80-8402067-V-01	1	Support
	31	80-8401080	1	Grill
	32	M8x16	4	Bolt
	33	80-8402067-V	1	Support

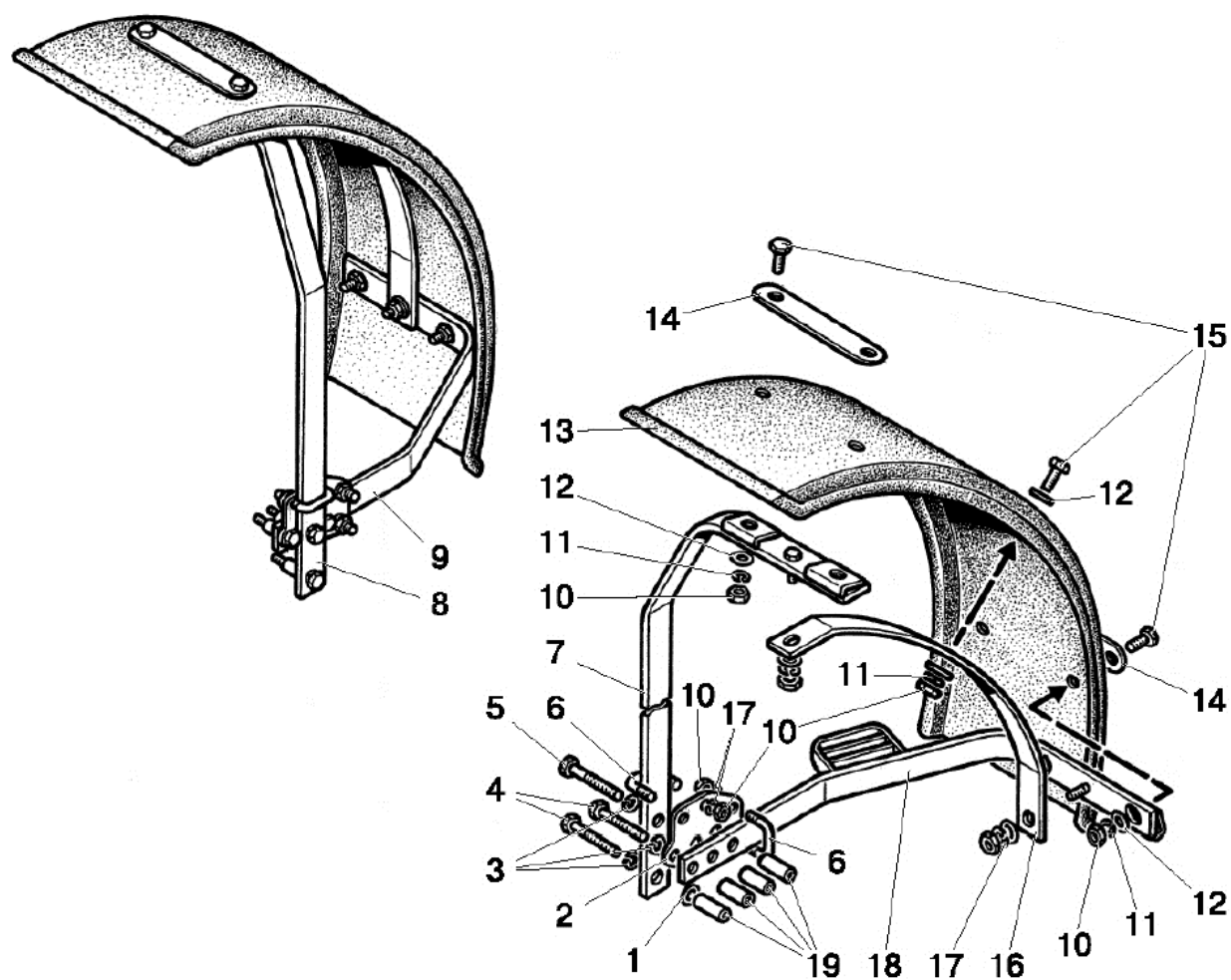


Fig. 84.2. Front Fenders

Group 84. Empennage
Subgroup 8403. Front Fenders

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
84.2		82R-8403010-B	1	Front fenders (1-19)
	1	ShCh 12	2	Washer
	2	82R-8403011-B	2	Plate
	3	ShP 12	8	Washer
	4	M12x100	6	Bolt
	5	M12x110	2	Bolt
	6	52-8403018	4	Steps
	7	82R-8403015-B	1	Support
	8	82R-8403015-B-01	1	Support
	9	82R-8403025-B-01	1	Support
	10	M10	22	Nut
	11	ShP 10	10	Washer
	12	ShCh 10	16	Washer
	13	82R-8403014-B1 or 82R-8403014-B2	2	Fender
	14	82R-8403012-B	4	Strip
	15	M10x30	10	Bolt
	16	82R-8403013-B	2	Strip
	17	ShP 10	12	Washer
	18	82R-8403020-B	1	Support
	19	82R-8403021-B	8	Bushing

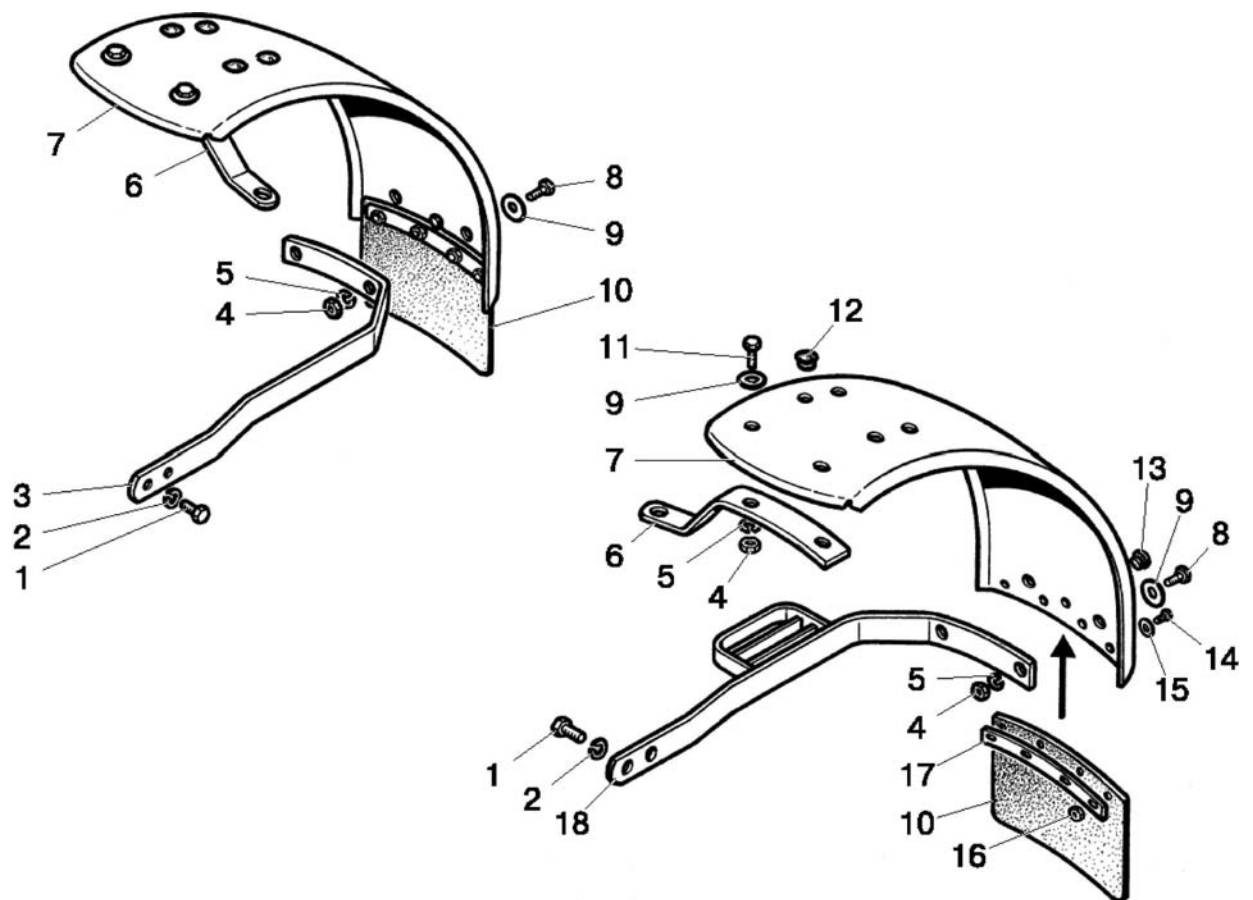


Fig. 84.3. Front Fenders (version)

Group 84. Empennage
Subgroup 8403. Front Fenders (version)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
84.3	1	M16x32	4	Bolt
	2	ShP 16	4	Washer
	3	80-8403016-01	1	Support
	4	M12	8	Nut
	5	ShP 12	8	Washer
	6	80-8403014	2	Support
	7	80-8403041	2	Fender (metal)
	8	M12x35	4	Bolt
	9	ShCh 12	8	Washer
	10	80-8403030	2	Hood
	11	M12x30	4	Bolt
	12	500A-8507096	8	Plug
	13	50-8400018	2	Buffer
	14	VM6x16	8	Screw
	15	ShCh 6	8	Washer
	16	M6	8	Nut
	17	80-8403013	2	Batten
	18	80-8403015	1	Support
	Version			
	1	M16x32	4	Bolt
	2	ShP 16	4	Washer
	3	80-8403016-01	1	Support
	4	M12	8	Nut
	5	ShP 12	8	Washer
	6	80-8403014	2	Support
	7	80-8403041	2	Fender (plastic)
	8	M12x35	4	Bolt
	9	ShCh 12	8	Washer
	11	M12x30	4	Bolt
	18	80-8403015	1	Support

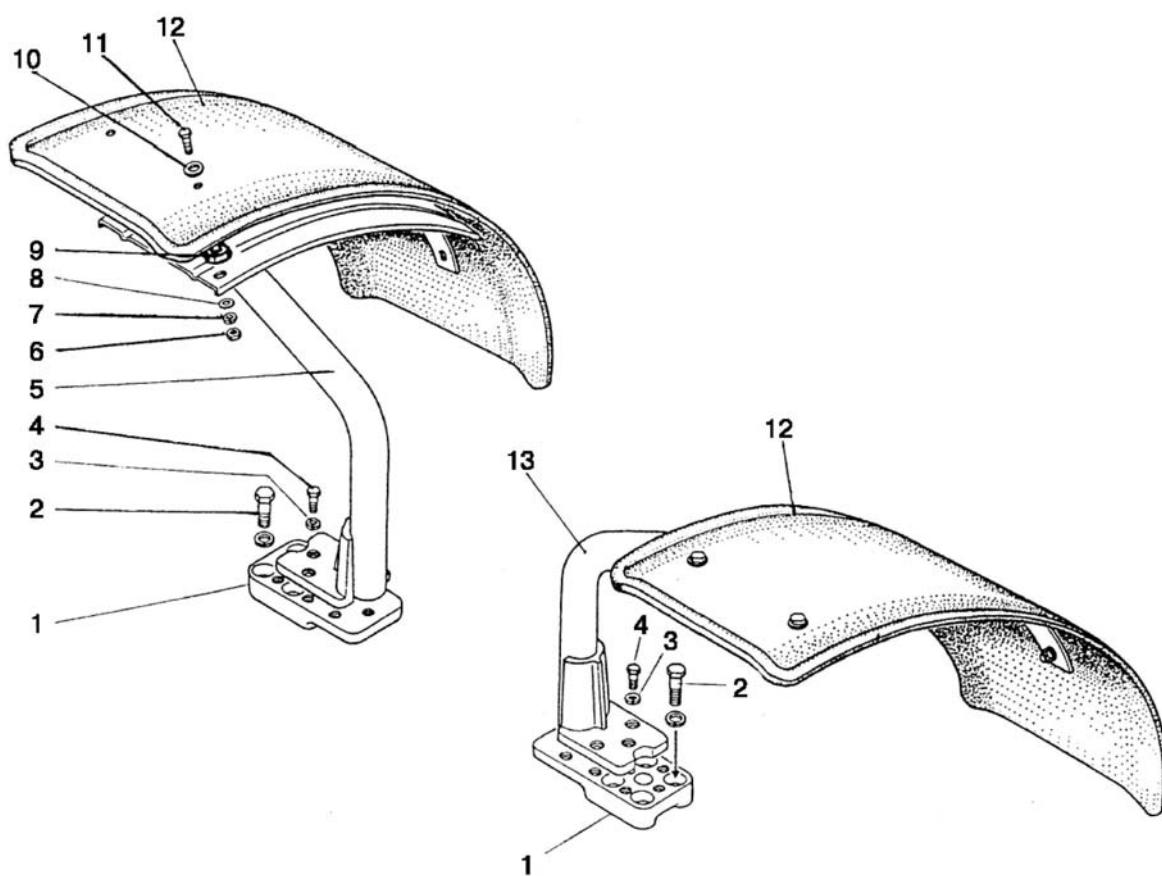


Fig. 84.4. Front Fenders (version)

Group 84. Empennage
Subgroup 8403. Front Fenders (version)

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
84.4	1	822-8403011	2	Base
	2	M16x55	8	Bolt
	3	ShP 12	6	Washer
	4	M12x30	6	Bolt
	5	822-8403015-01	1	Right pole
	6	M10	10	Nut
	7	ShP 10	10	Washer
	8	ShCh 10	10	Washer (Ø=21)
	9	80-4616017	10	Roller
	10	ShCh 10	10	Washer (Ø=30)
	11	M10x40	10	Bolt
	12	822-8403020 or 822-8403020-B or 1221-8403014-B-02 or 1221-8403014-B1-02	2	Fender
	13	822-8403015	1	Left pole

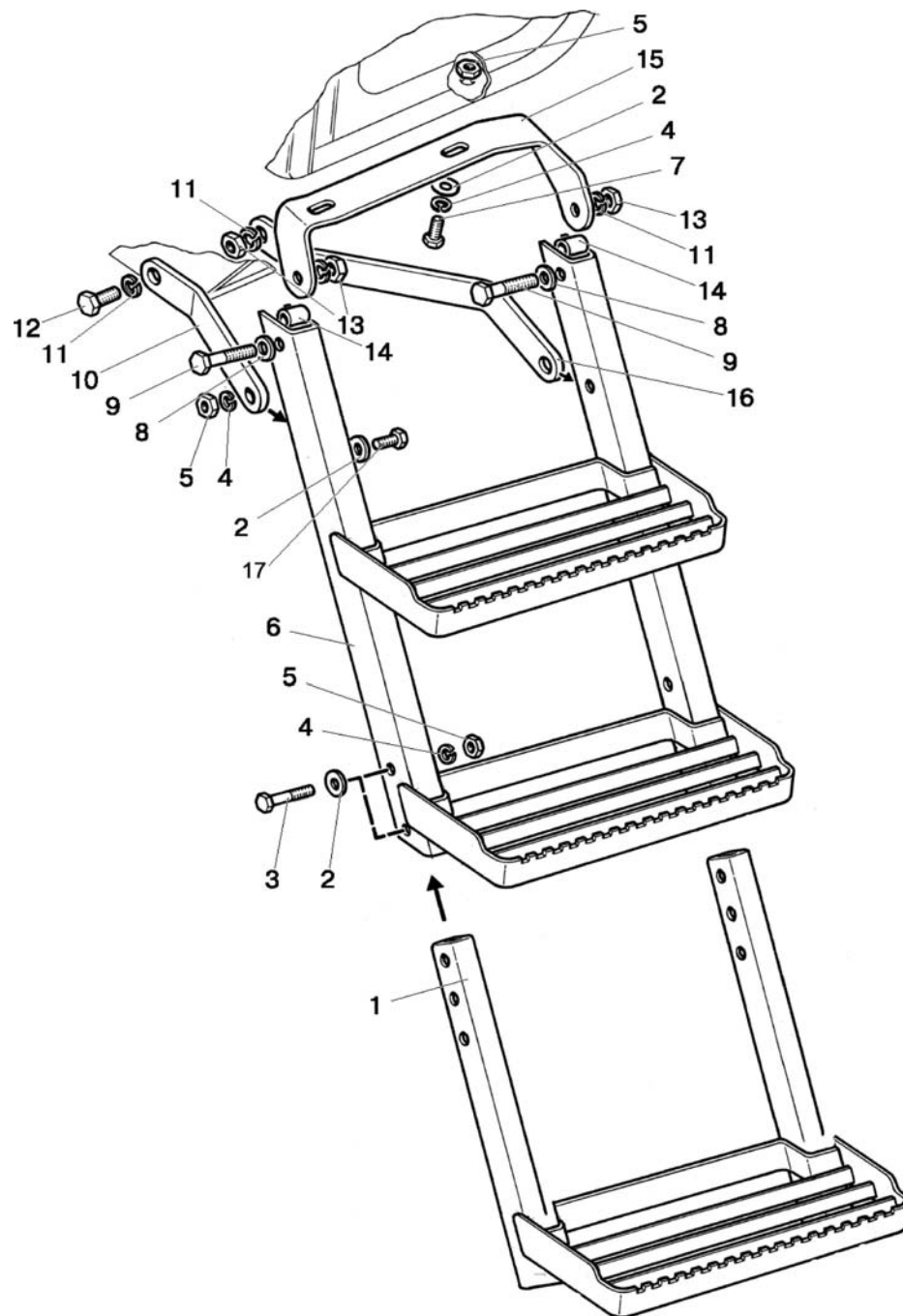


Fig. 84.5. Foot Board

Group 84. Empennage
Subgroup 8405. Foot Board

Fig. No	Pos. No.	Assembly unit or part No.	Q-ty	Description
84.5		80-8405005-B	1	Left foot board (1-16)
		80-8405005-B-01	1	Right foot board (1-16)
	1	80-8405020-A2	1	Foot board
	2	ShCh 10	8	Washer
	3	M10x50	4	Bolt
	4	ShP 10	8	Washer
	5	M10	8	Nut
	6	80-8405010-A3	1	Foot board
	7	M10x25	2	Bolt
	8	ShCh12	2	Washer
	9	M12x60	2	Bolt
	10	80-8405031-B	1	Support
	11	ShP 12	4	Washer
	12	M12x30	2	Bolt
	13	M12	3	Nut
	14	923-6700111	2	Bushing
	15	80-8405030-B	1	Support
		80-8405030-B-01	1	Support (of the right foot board - on order)
	16	80-8405032-B	1	Support
	17	M19x30	2	Bolt