
BELARUS

1222/1222B

1523/1523B

1523-0000010 KDS

CATALOGUE

OF PARTS AND ASSEMBLY UNITS

2009

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INTRODUCTION

The present catalogue contains the whole range of assembly units and parts for tractors BELARUS 1523/1523B and BELARUS 1222/1222B, equipped with six-cylinder turbocharged diesel engines D-260.1 or D-260.1S (114 kW) and D-260.2 (95,6 kW) respectively. Tractors BELARUS 1523.3/1523B.3 and BELARUS 1222.3/1222B.3 are equipped with diesel engines D-260.1S2 (116 kW) and D-260.2S2 (100 kW), which are certified in accordance with EU Directive 2000/25 and represent modifications of diesel engines D-260.1 and D-260.2. The catalogue is meant for organizations and firms that are concerned with tractor sales, operation and repair. It can be used in calculation and preparation of orders for spare parts and serves as a manual during tractor disassembling and assembling.

HOW TO USE THE CATALOGUE

Assembly units and parts in the catalogue are divided into groups and subgroups according to functional attribute. The catalogue is well illustrated with axonometric figures of knocked-down tractor components. All parts in the figures have sequence numbers (figure numbers).

For example, the following record is given in the catalogue:

“1520-1601085 1 Center plate (6, 36-40)”

It means that assembly unit “center plate” in the number of 1 piece for clutch consists of the following parts: center plate (pos. 6), release lever pin (pos. 36), bushing (pos. 37), release lever (pos. 38), spring (pos. 39) and lock washer (pos. 40).

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

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 Б, Б1, Б2, В, Г, Д, etc. mean that new part designs will not be interchangeable with parts of previously produced designs, 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.

Some parts, adopted from previous tractor models, have alpha-numeric numbers. For example, “Д18-055-A-01 O-ring”.

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Group 10. Diesel mechanisms.

Subgroups 1001, 1002. Suspension and cylinders block.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
1		260-1002010	1	Cylinders block (consists of parts 4; 7; 12; 13; 18; 19)	
		260-1002070	1	Cover of distribution(consists of parts 8; 10; 11; 26;37)	
		260-1002150	1	Seal cover(consists of parts 17; 20; 27)	
		260-1009020	1	Oil gauge (consists of parts 29; 49)	
		240-1002115	1	Neck (consists of parts A19.01.100; 41;53)	
		A19.01.100	1	Cover (consists of parts 50; 52)	
	1	260-1001021	1	Left bracket	
	2	260-1001022	1	Right bracket	
	3	260-1001025	6	Bolt	
	4	260-1002015	1	Cylinders block	
	5	260-1002030	1	Distributor plate	
	6	260-1002033	1	Plate gasket	
	7	260 -1002052	6	Bearing cover	
	8	260 - 1002055	1	Collar 65x90-10	
	9	260-1002064	1	Cover gasket	
	10	260 -1002065	1	Cover of distribution	
	11	260 -1002066	1	Oil thrower	
	12	260 - 1002069	1	Front bushing	
	13	260-1002072	1	Bearing cover	
	14	260-1002079	1	Cover	
	15	260.5 -1002080 - 01	1	Flange	
	16	260-1002083-A	1	Gasket	
	17	260-1002141	1	Seal cover	
	18	260-1002159	14	Bearing bolt	
	19	260-1002161	14	Washer	
	20	260-1002305	1	Collar 110x135 -12	
	21	260-1002313	1	Back plate	
	22	260-1002314	1	Plate gasket	
	23	260-1002315	1	Cover gasket	
	24	260-1002316	1	Cover	
	25	260-1002317	1	Blind plug	
	26	260-1002318	1	Adjusting pin	
	27	260 - 1002324	2	Insert	
	29	260-1009050	1	Oil gauge rod	
	30	260-1111206	1	Cover	
	31	260-1111207	1	Gasket	
	32	245-1002021-A3	6	Cylinders block liner	
	33	245-1002022-A	12	Liner ring	

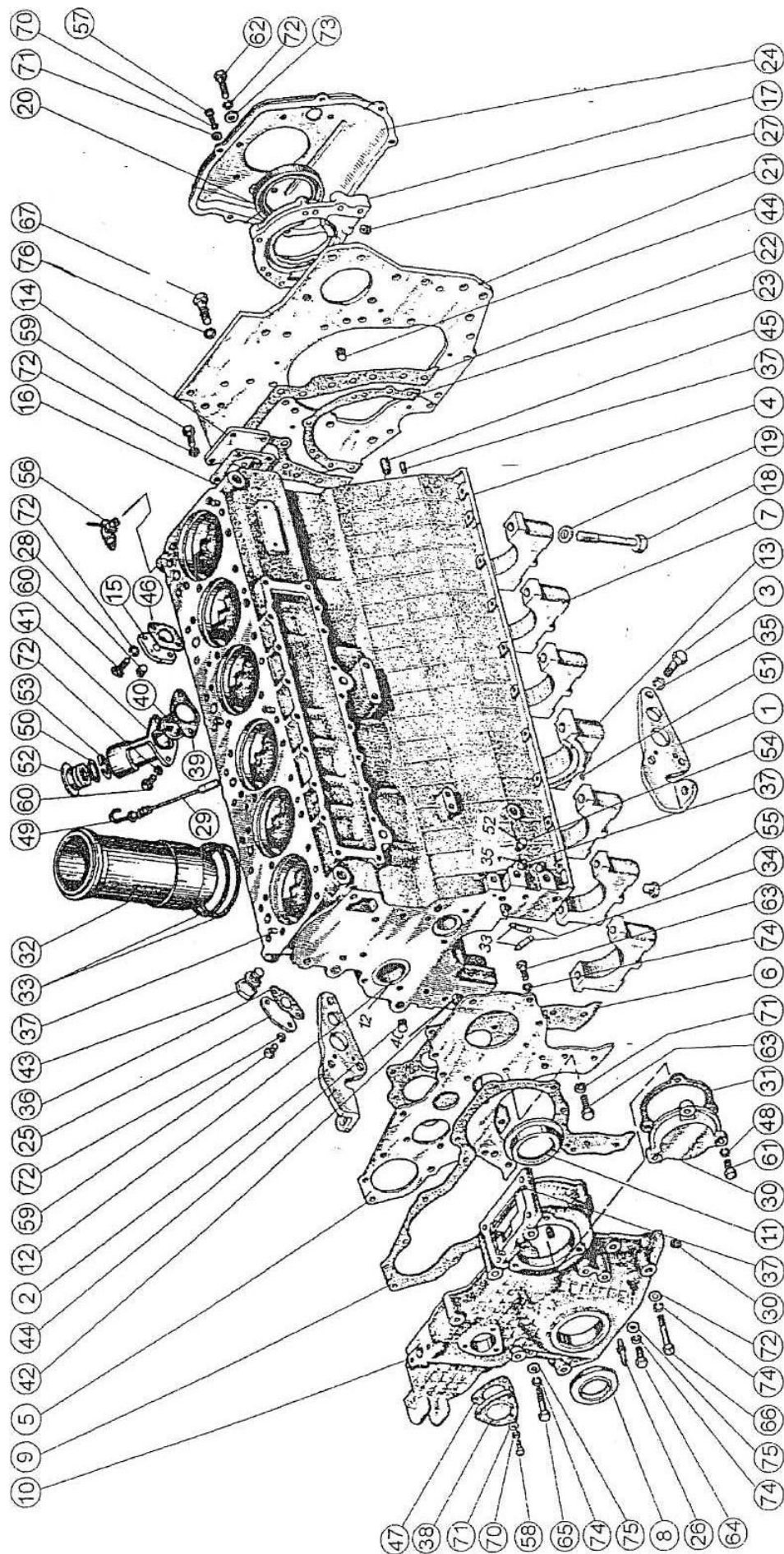
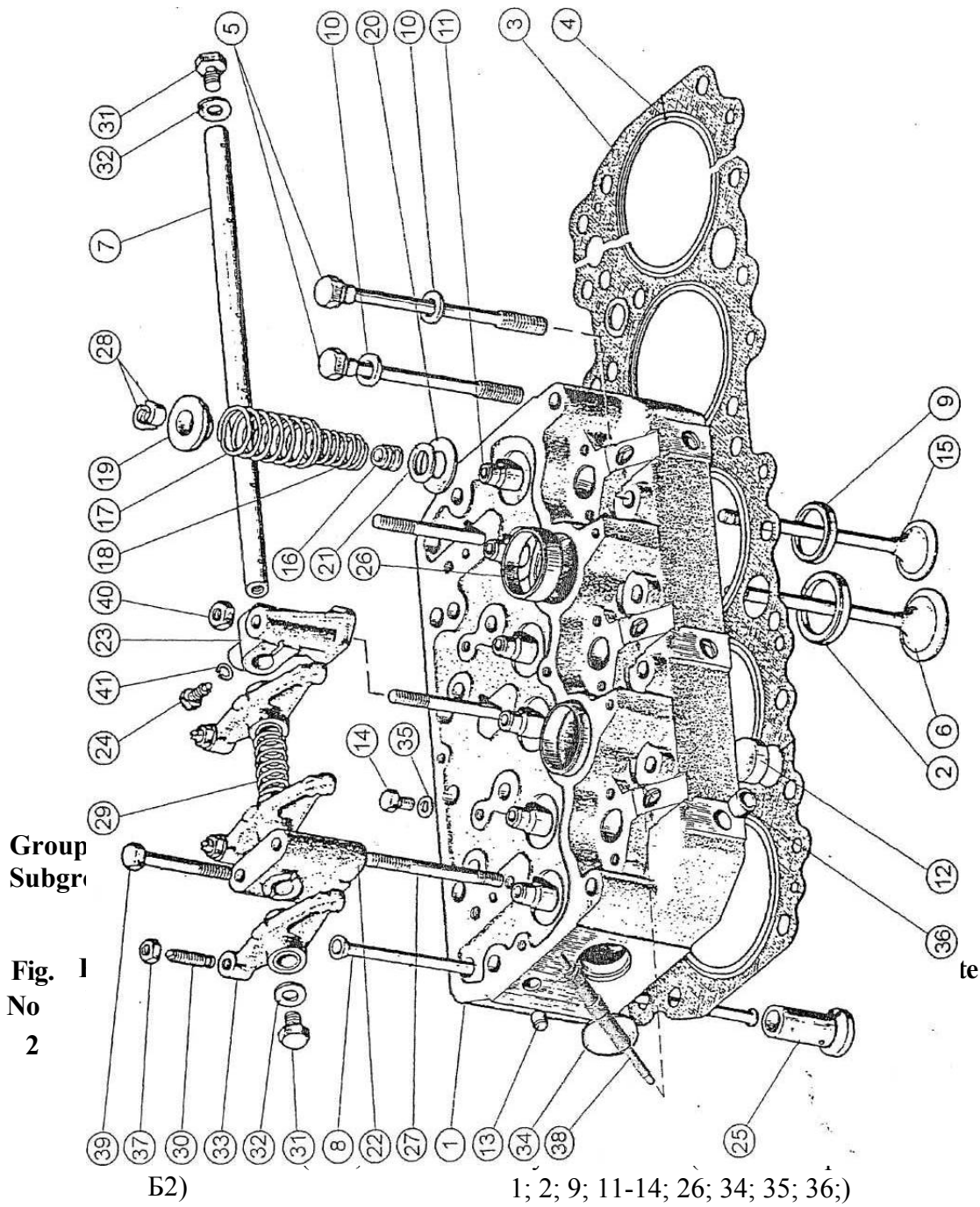


Fig. 1 Suspension and cylinders block

Group 10. Diesel mechanisms.

Subgroups 1001, 1002. Suspension and cylinders block.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
1	34	245-1002051-Б1	6	Pipe	
	35	245 - 1005128	6	Washer	
	36	245-1118034-Б	1	Gasket	
	37	240-1002044	12	Pin	
	38	240-1002062	1	Cover	
	39	240-1002082-A1	1	Neck gasket	
	40	240-1002085	1	Strainer	
	41	240-1002088	1	Tube	
	42	50-1002034	2	Adjusting pin	
	43	50-1002318-Б	2	Eye bolt	
	44	50-1002326-Б	6	Blind plug	
	45	50-1005019	2	Pin	
	46	50-1015598	1	Gasket	
	47	50-1021012	1	Gasket	
	48	50-1022067	3	Sealing ring	
	49	50-4609038	2	Seal ring	
	50	042-048-30-2-1	1	Seal ring	
	51	2,5x10	4	Pin	
	52	A19.01.001	1	Plug	
	53	A19.01.003	1	Spring ring	
	54	кг 1/8»10 кп.016	1	Plug	
	55	кг 3/8»10кп.016	2	Plug	
	56	KP2-1305000	1	Valve PC7-0	
	57	M6-6gx12.88.35.016	7	Bolt	
	58	M6-6gx16.88.35.016	3	Bolt	
	59	M8-6gx16.88.35.016	6	Bolt	
	60	M8-6gx20.88.35.016	4	Bolt	
	61	M8-6gx30.88.35.016	3	Bolt	
	62	M8-6gx40.88.35.016	7	Bolt	
	63	M10-6gx20.88.35.016	4	Bolt	
	64	M10-6gx35.88.35.016	1	Bolt	
	65	M10-6gx50.88.35.016	2	Bolt	
	66	M10-6gx65.88.35.016	5	Bolt	
	67	M12-6gx35.88.35.016	14	Bolt	
	70	6.65Г 016	10	Washer	
	71	6.01.08кп016	10	Washer	
	72	8.65Г 016	17	Washer	
	73	8.01.08кп016	7	Washer	
	74	10.65Г 016	12	Washer	
	75	10.01.08кп 016	8	Washer	
	76	12.65Г.016	14	Washer	



260-1003075(-01)	1	Head gasket (consists of parts 3; 4)
1 260-1003015-A2	2	Cylinders head

Fig. 2 Cylinders head. Valves and valves followers.

2	260- 1003018 or 245-1003018-B	6	Inlet valve seat
3	7.12.260- 1003025	1	Gasket of “Temak” heads (Czech Republic)
4	260-1003031-A1	6	Ring
5	260- 1003124-01	26	Bolt
6	260-1007014 (-A1) or 245-1007014	6	Inlet valve
7	260-1007102-A	2	Rocker shaft
8	260-1007310 (-A)	12	Rod
9	245-1003019 (-B1)	6	Inlet valve seat
10	245-1005128	26	Washer
11	245 -1007032	12	Valve guide
12	240-1003027-A2	4	Blind plug
13	240-1003037	4	Blind plug
14	240-10032S1	4	Plug
15	240 - 1007015 - B6 (-B7;-B9)	6	Outlet valve
16	240-1007020-B	12	Valve sealing collar
17	240-1007045-A1 or (-A2;-A3;-A4;- A5;-A6; -A8)	12	Outer valve spring
18	240 - 1007046-A1 (-A3;-A4)	12	Inner valve spring
19	240-1007048	12	Valve spring disk
20	240-1007054	12	Lower washer of valve spring
21	240-1007055	12	Upper washer of valve spring
22	240-1007151- B - 01	4	Rocker arm shaft support
23	240-1007152-B-01	2	Middle rocker arm shaft support
24	240- 10071S5	2	Locker pin
25	240-1007375-A (-A1;-A2)	12	Valve follower
26	50-1003103-A	4	Sleeve

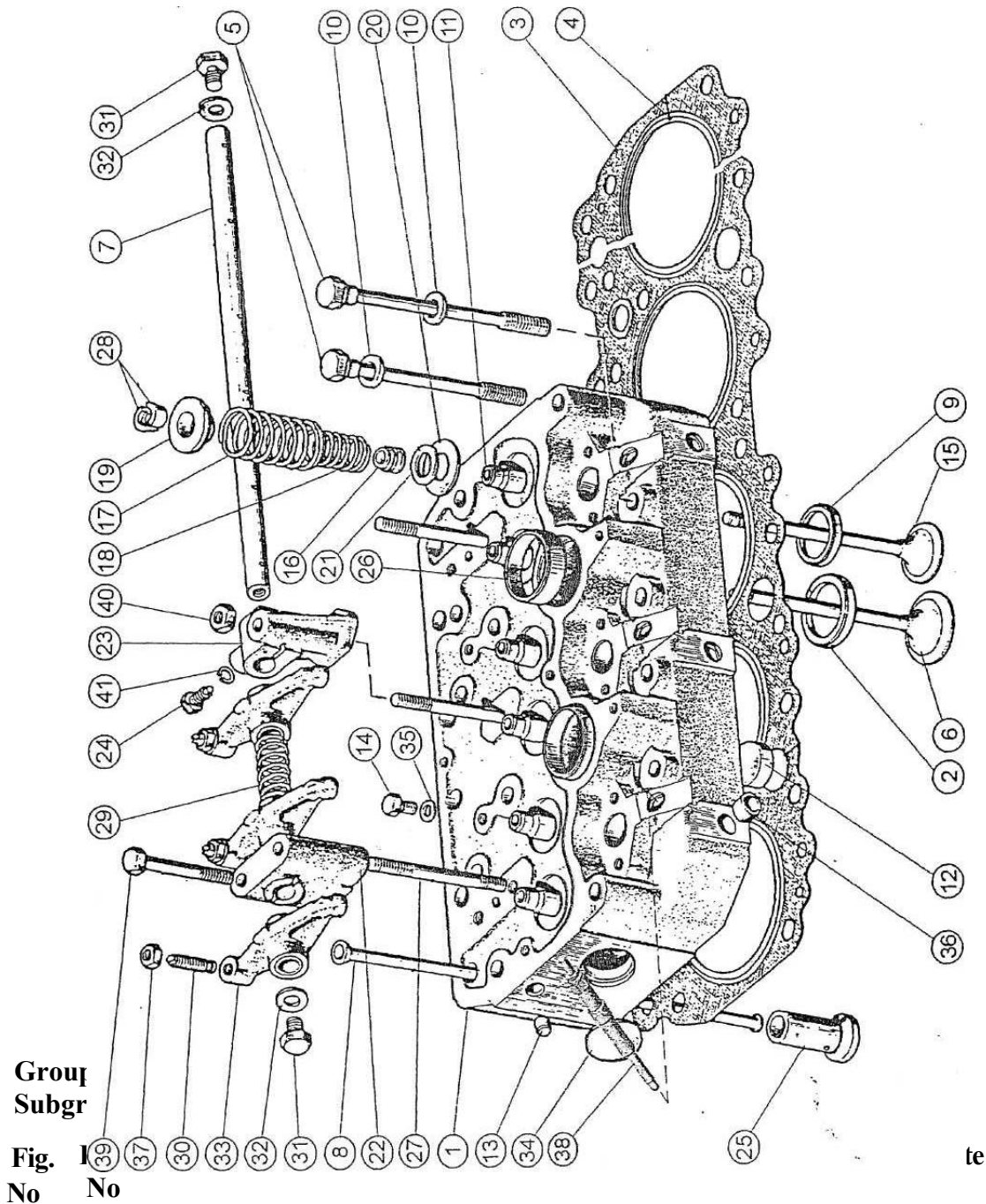


Fig. 2Cylinders head. Valves and valves followers.

31	50-1007182	4	Plug of rocker shaft
32	50-1007183	4	Plug washer
33	50-1007212-A3	12	Rocker arm with bushing
34	45 - 08кп. Ц9хр.	4	Blind plug
35	36-1104788	4	Gasket
36	Д02 - 003 - A	6	Blind plug
37	Д02 - 063	12	Nut
38	11720 720	6	Heating plug
39	M12-6gx 85.88.35.019	4	Bolt
40	M12-6H.6	6	Nut
41	10.65Г.06	2	Washer

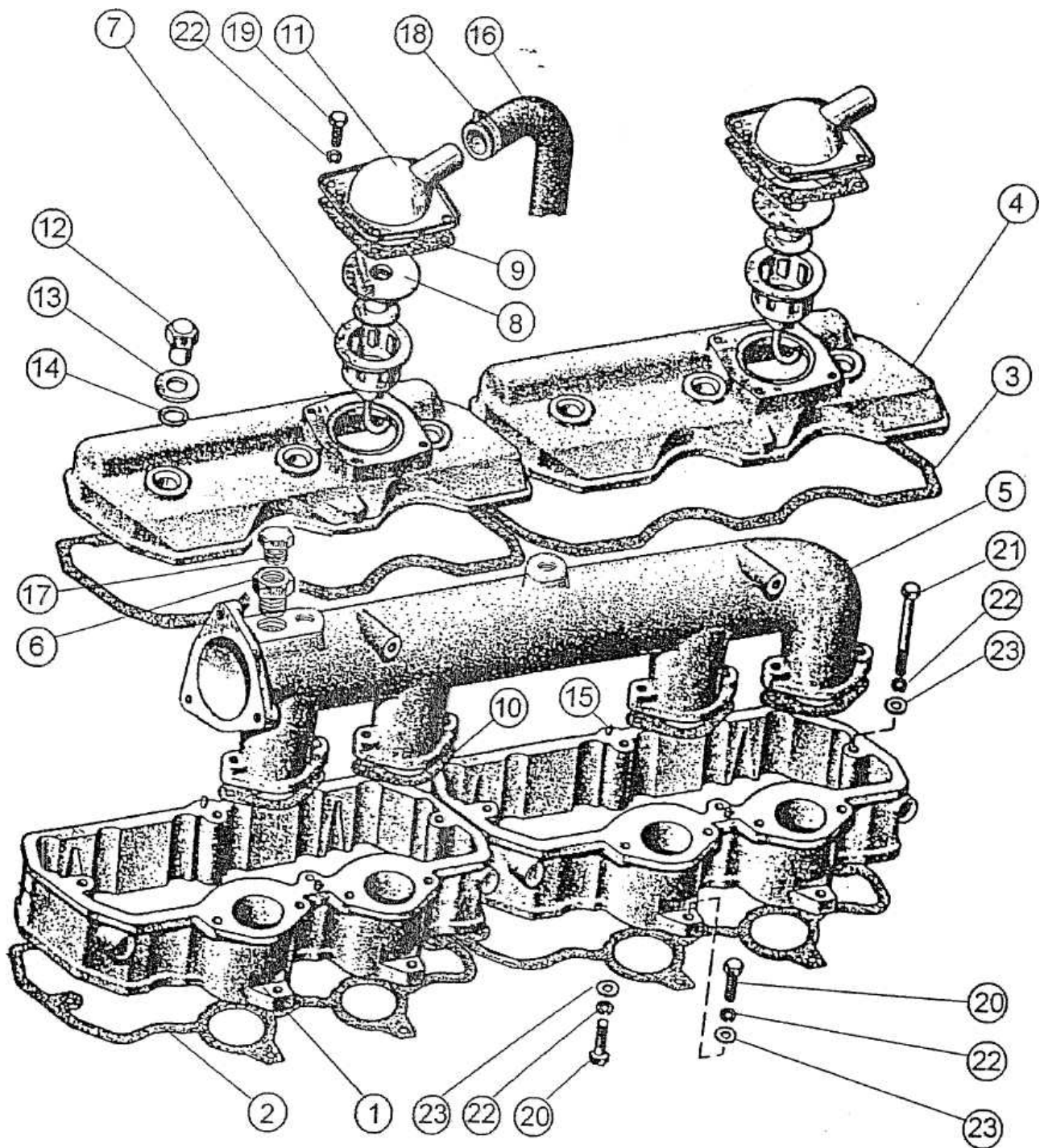


Fig. 3 Covers of cylinders heads, collector and breathers

Group 10. Diesel mechanisms.

Subgroups 1003, 1008, 1014. Covers of cylinders heads, collector and breathers.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
3		260 - 1008034	1	Inlet collector (consists of parts 5; 6; 17)	
		260-1014010-A	2	Cap with breather(consists of parts 4; 7-9;11; 19; 22)	
	1	260 - 1003032	2	Head cover	
	2	260-1003108	2	Cover gasket	
	3	260-1003109	2	Cap gasket	
	4	260 - 1003122	2	Cover cap	
	5	260-1008031-A	1	Inlet collector	
	6	260 - 1008037	1	Screw cap	
	7	245 - 1014440	2	Sleeve with pipe	
	8	245 - 1014445	2	Oil thrower	
	9	240-1002444-A1	2	Gasket	
	10	240 - 1003031	4	Gasket	
	11	240- 1014430 -B	2	Breather body with pipe	
	12	50-1003104-A	6	Nut of cap	
	13	50-1003106	6	Washer	
	14	50-1003107-A	6	Ring	
	15	2,5x10	4	Pin	
	16	20x29-1,6	2	Sleeve (L = 0,9M)	
	17	КТ 1/8»10кп. 016	1	Plug	
	18	NORMA20-32	2	Clamp	
	19	M8-6gx16J8.35.016	8	Bolt	
	20	M8-6gx 30. 88,35.016	12	Bolt	
	21	M8-6gx 75. 88.35.016	8	Bolt	
	22	8.65Г. 016	28(31*)	Washer	
	23	8.01.08кп. 016	20(23*)	Washer	

* - for diesel D-260.2S2-103

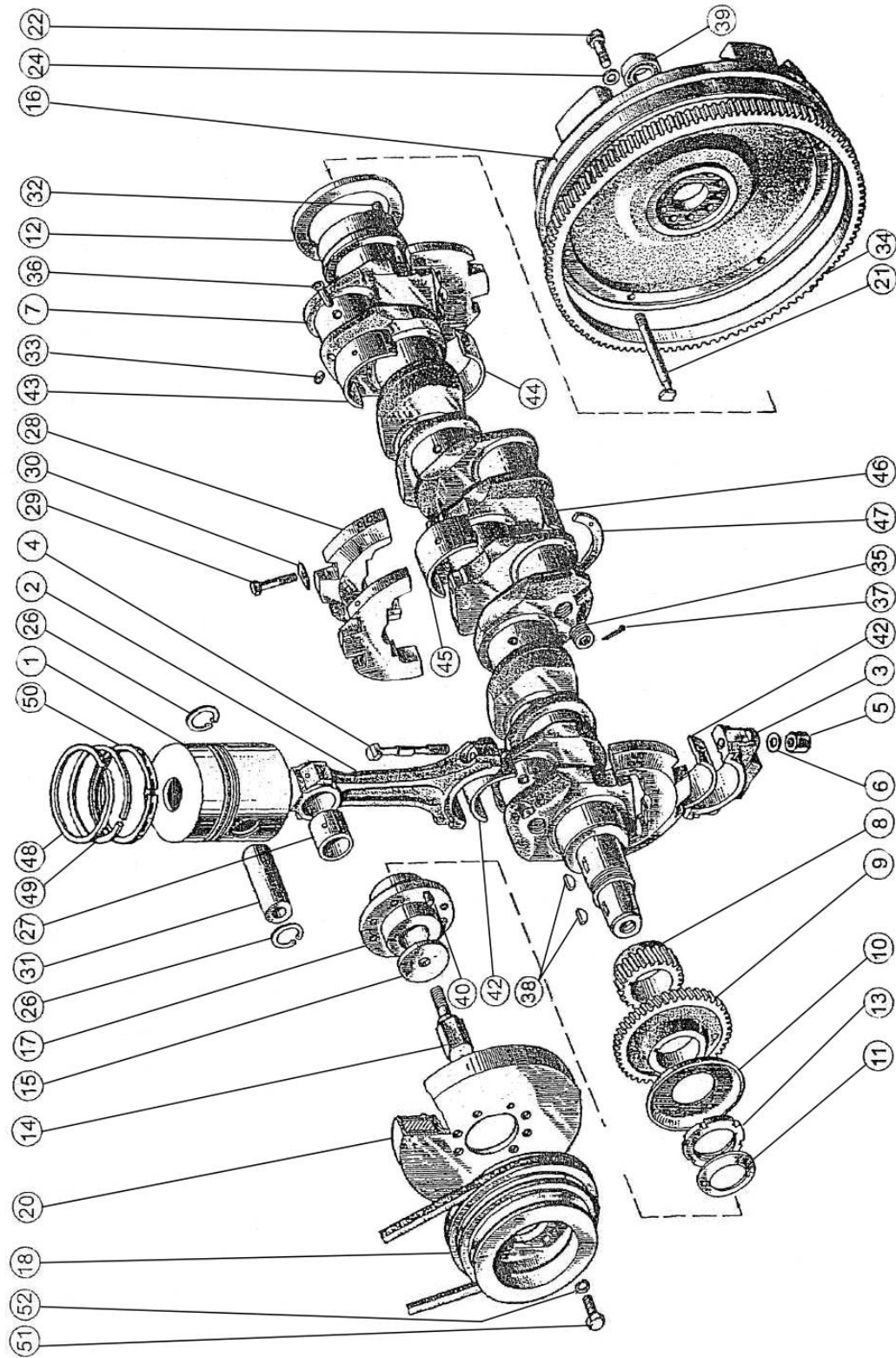


Fig. 4 Pistons and connecting rods. Crankshaft and flywheel

Group10. Diesel mechanisms.

Subgroups 1004,1005. Pistons and connecting rods. Crankshaft and flywheel.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
4		260-1004010	6	Piston with connecting rods (consists of parts 260-1004100 (-E); 1;26;31;48-50)	
		260-1004100 (-E)	6	Connecting rod (consists of parts 2-6; 27)	
		260-1004026	12	Connecting rod bolt with nut (consists of parts 4;5)	
		260-1004060	6	Set of piston rings (consists of parts 48-50)	
		260-1005015	1	Crankshaft (consists of parts 260-1005014; 8; 12; 32; 33; 35-38)	
		260-1005014	1	Crankshaft (consists of parts 7; 28-30)	
		260-1005114	1	Flywheel (consists of parts 16; 34)	
		A23.01-78-260	1	Set of connecting rod shells (consists of parts Pos. 42-12 unit.)	
		A23.01-91-260	1	Set of crankshaft bearing liners (consists of parts 43-47)	
	1	A260-1004021-Ж*	6	Piston	
		260-10040021-Ж**	6	Piston	
	2	260-1004112	6	Connecting rod	
	3	260-1004125	6	Connecting rod cover	
	4	260-1004182	12	Connecting rod bolt	
	5	260-1004188	12	Nut of connecting rod bolt	
	6	260-1004160	12	Washer	
	7	260-1005020	1	Crankshaft	
	8	260-1005030	1	Crankshaft gear	
	9	260-1005033	1	Drive gear	
	10	260-1005042	1	Oil thrower	
	11	260-1005043	1	Disk spring	
	12	260-1005044	1	Oil thrower	
	13	260-1005046	1	Nut	
	14	260-1005054	1	Crankshaft bolt	
	15	260-1005055	1	Washer	
	16	260-1005120	1	Flywheel	
	17	260-10051141	1	Pulley hub	
	18	260-1005142-A	1	Pulley	
	20	260-1005400 or 260-1005405	1	Silicon damper	
	21	245-1005122	6	Pin	
	22	245-1005127	9	Flywheel mounting bolt	
	24	245-1005128	9	Washer	
	26	240-1004022	12	Lock ring of piston pin	
	27	240-10041115-A	6	Bushing of connecting rod upper head	

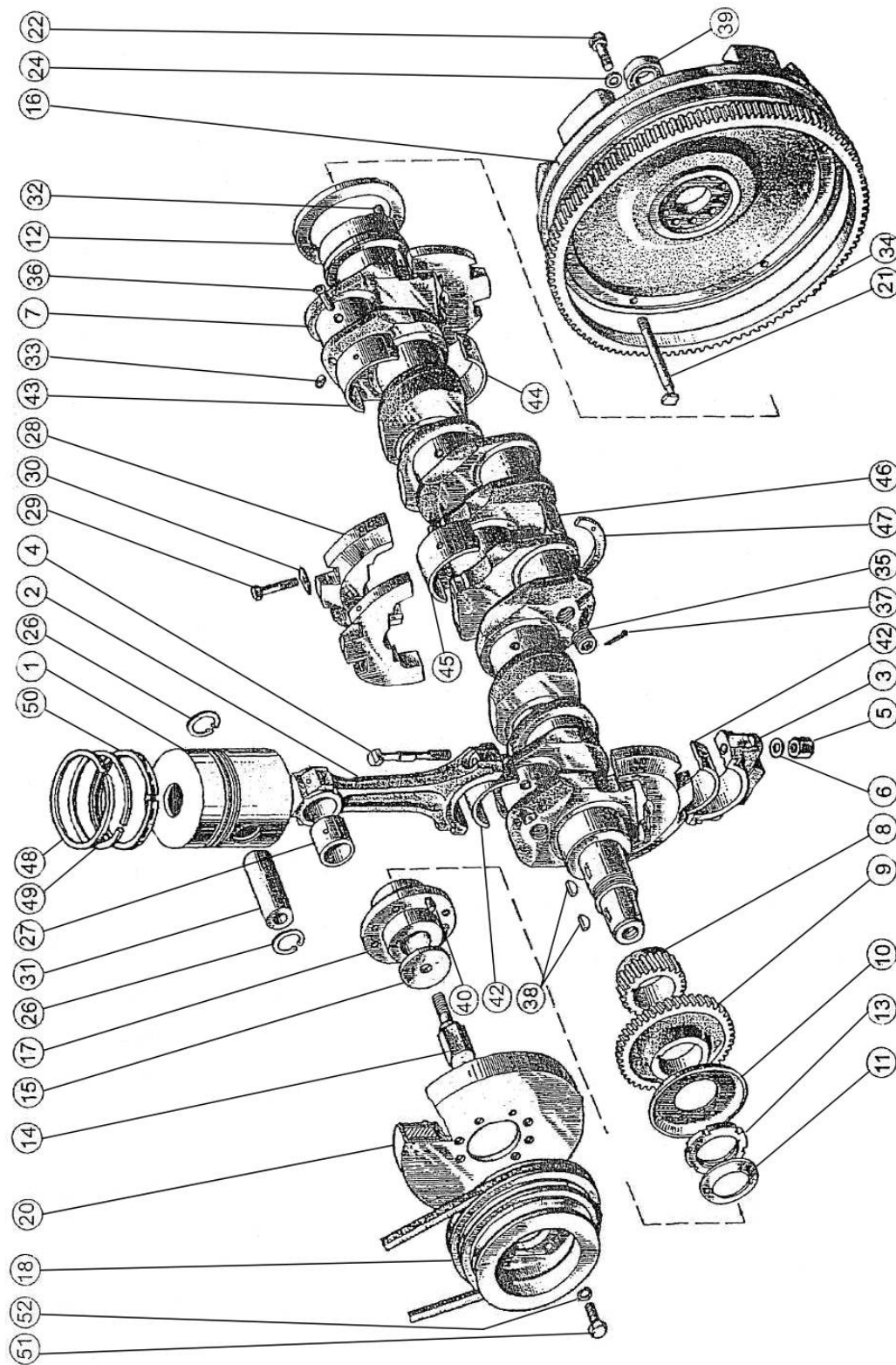


Fig. 4 Pistons and connecting rods. Crankshaft and flywheel.

Group10. Diesel mechanisms.

Subgroups 1004, 1005. Pistons and connecting rods. Crankshaft and flywheel.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
4	28	240-10050017	4	Counterweight	
	29	240-1005018	8	Counterweight mounting bolt	
	30	240-1005024	8	Locking plate	
	31	50-1004042-A1	6	Piston pin	
	32	50-1005019	1	Pin	
	33	50-1005021-A	6	Blind plug	
	34	50-1005121-A	1	Flywheel crown	
		260-1005191-A	6	Piston with connecting rod (consists of parts 260-1004100 (- E); 1; 26; 31; 48-50)	
	35	50-1005157	6	Blind plug	
	36	50-1005191-A	6	Crankshaft pipe	
	37	4x22	6	Cotter pin	
	38	6x9	2	Key	
	39	180205к1с17	1	Bearing	
	40	2.10x25	1	Pin	
	42	A23.01-7821	12	Liner of connecting rod bearing	
	43	A23.01-9109	6	Main bearing liner	
	44	A.23.01-9110	6	Main bearing liner	
	45	A.23.01-9111	1	Main bearing liner	
	46	A23.01-9112	1	Main bearing liner	
	47	A23.01-12002	4	Thrust half ring	
	48	24-110-30-01	6	Piston ring	
	49	30-110-25-02	6	Piston ring	
	50	64-110-50-02	6	Oil scraper ring	
	51	M12- 6gx35.88.35.019	6	Bolt	
	52	12.65Г.019	6	Washer	

* - for diesels D-260.1S2-59 and D-260.2S2-103

** - for diesel D-260.2S2-60

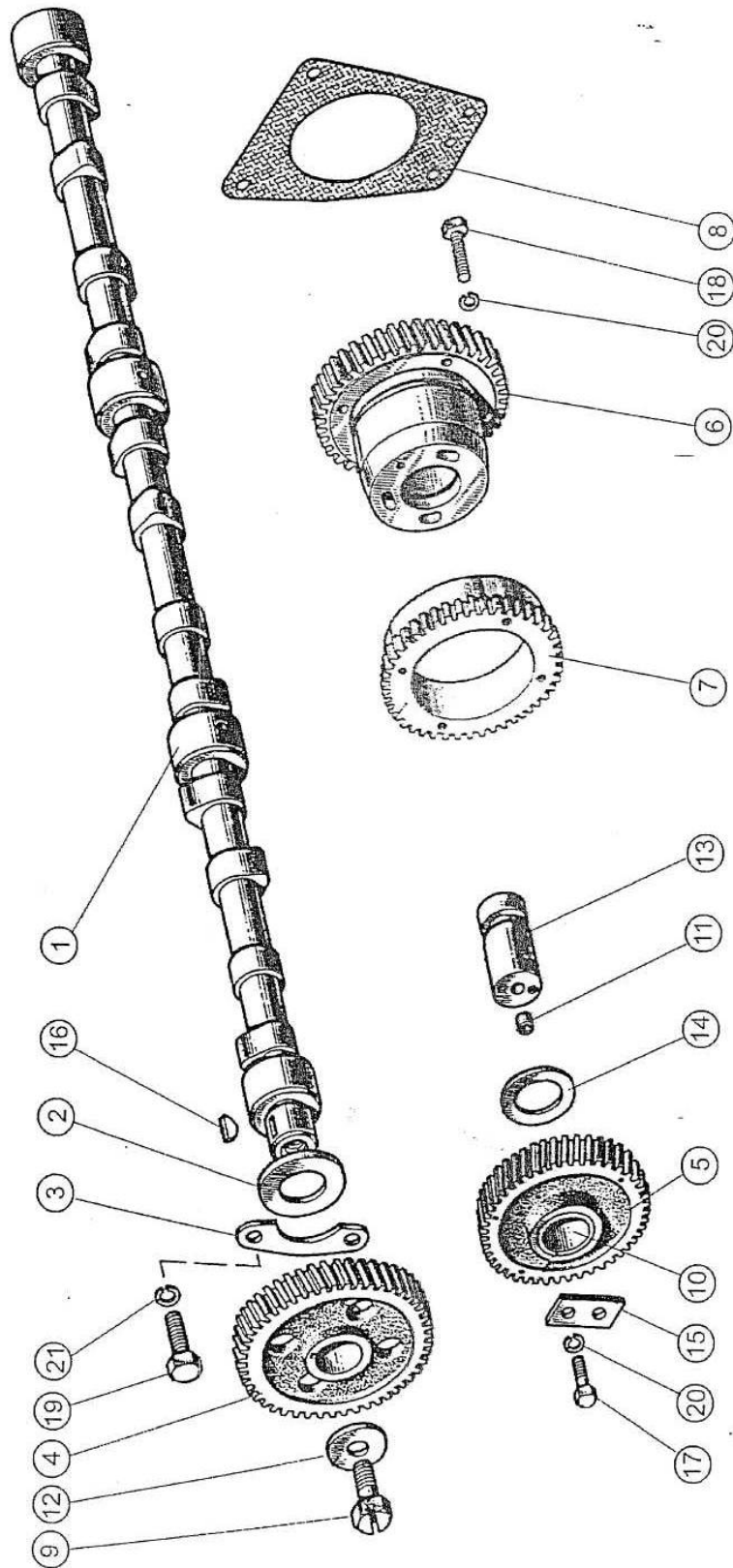


Fig. 5 Distributing gear

Group 10. Diesel mechanisms.

Subgroup 1006. Distributing mechanism.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
5		260-1006010-01	1	Camshaft (consists of parts 1-4;9; 12; 16; 19;21)	
		260-1006240	1	Idler gear with bushing (consists of parts 5; 10)	
		260-1006313	1	Compressor and oil-fuel pump drive gear (consists of parts 6; 7; 18;20)	
	1	260- 1006015 -B	1	Camshaft	
	2	260-1006017	1	Washer	
	3	260-1006021	1	Strip	
	4	260-1006214	1	Camshaft gear	
	5	260-1006244	1	Idler gear	
	6	260-1006312-Γ	1	Oil-fuel pump drive gear	
	7	260-1006316	1	Compressor drive gear	
	8	260-1111104	1	Gasket	
	9	245-1006020	1	Special bolt	
	10	240- 1006246 or 50-1006246-B	1	Bushing	
	11	50-1005021-A	1	Blind plug	
	12	50-1006018	1	Thrust washer	
	13	50-1006252-B1	1	Pin	
	14	50-1006253	1	Thrust ring	
	15	50-1006254	1	Thrust washer	
	16	6x9	1	Key	
	17	M8- 6gx16.88.35.019	2	Bolt	
	18	M8- 6gx30.88.35.016	8	Bolt	
	19	M10-6gx25	2	Bolt	
	20	8.65Γ.06	8	Washer	
	21	10.65Γ.06	2	Washer	

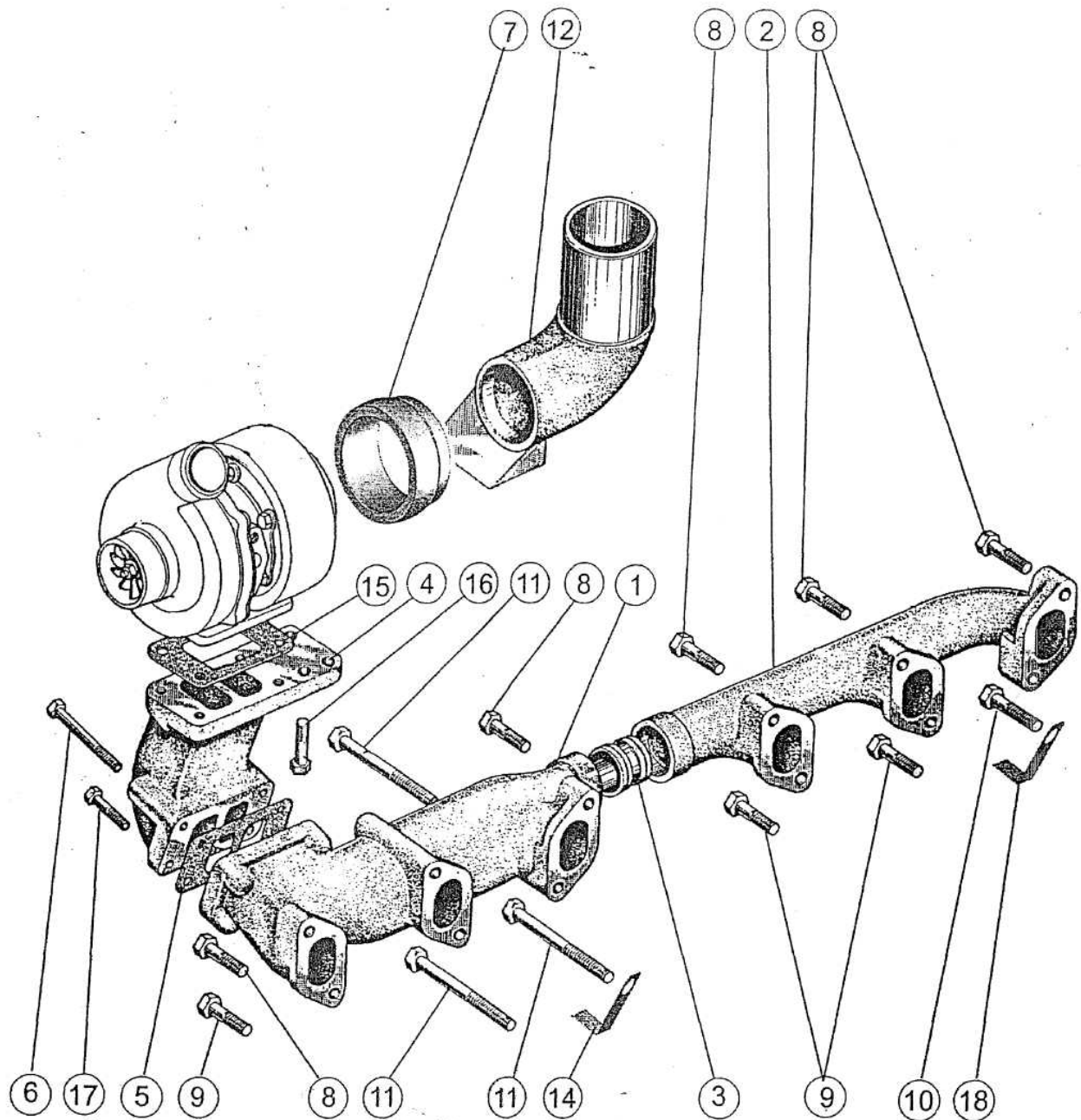


Fig. 6 Diesel gas pipe line

Group 10. Diesel mechanisms.

Subgroup 1008. Diesel gas pipe line.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
6		260-1008020	1	Output collector (consists of parts 1 - 6;17)	
		K - 27- 61 - 08	1	Turbocharger “Turbo” Czech Republic	
	1	260-1008021	1	Collector	
	2	260-1008022	1	Rear collector	
	3	260-1008023	1	Compensator	
	4	260 - 1008025	1	Adaptor	
	5	260 - 1008026	1	Gasket	
	6	260-1008027	2	Bolt	
	7	260 -1008044	1	Compensator	
	8	260-1008048	5	Bolt	
	9	260 - 1008048 - 02	3	Bolt	
	10	260 -1008048 - 03	1	Bolt	
	11	260 -1008048 - 04	3	Bolt	
	12	260-1008062	1	Exhaust pipe	
	14	245 -1002327 - Б	1	Strip	
	15	245-1008016	1	Gasket	
	16	245-1008023-A	4	Bolt	
	17	245 -1008024	2	Bolt	
	18	70-3407164	1	Bracket	

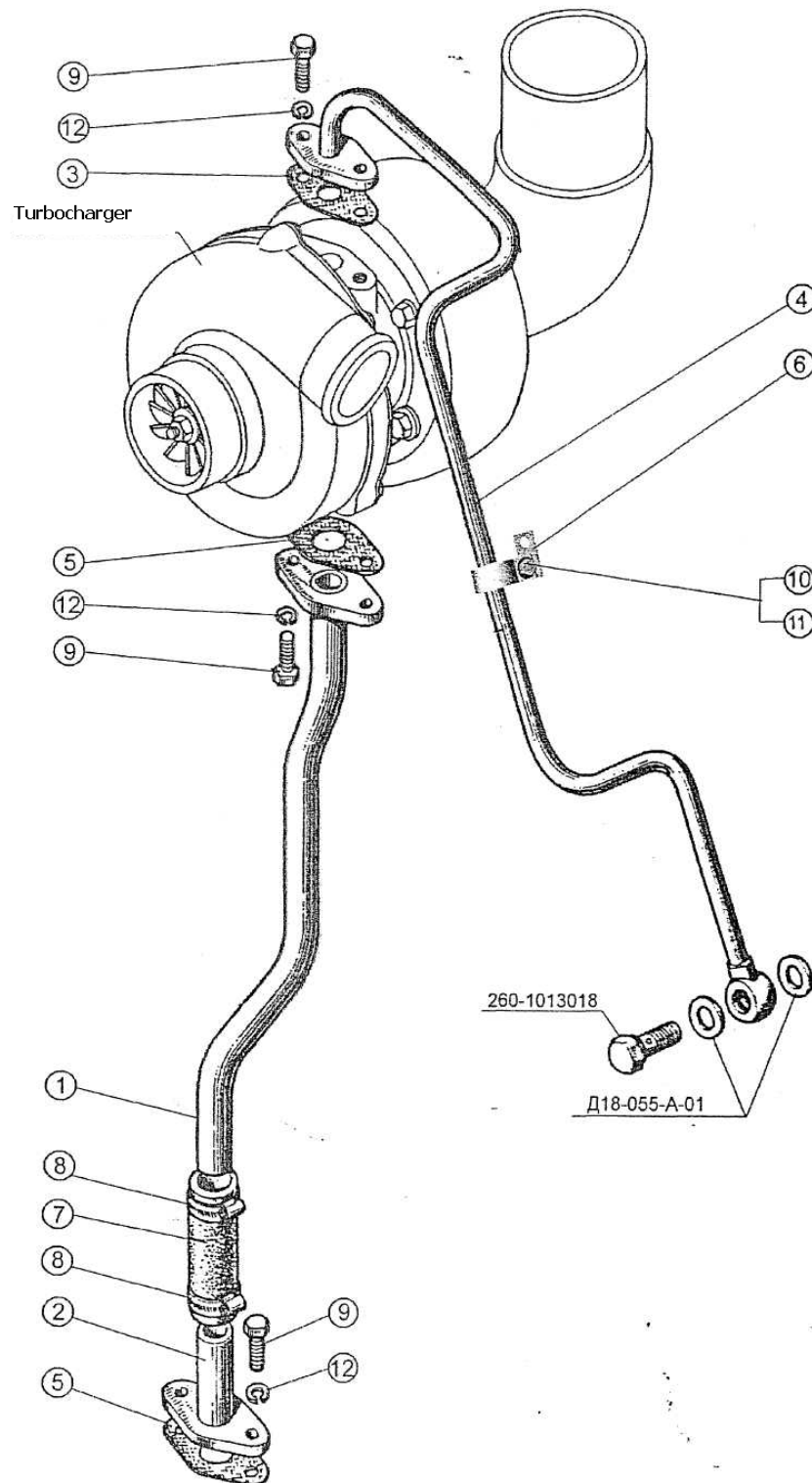


Fig. 7 Turbocharger oil pipelines

Group 10. Diesel mechanisms.

Subgroup 1118. Turbocharger oil pipelines.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
7	1	260-1118010	1	Down pipe	
	2	260-1118015	1	Pipe	
	3	245-1118016	1	Gasket	
	4	260-1118030-B	1	Inlet pipe	
	5	245-1118034-B	2	Gasket	
	6	245-1118050	1	Clamp	
	7	20x29-1,6	1	Sleeve	
	8	NORMA20-32	2	Clamp	
	9	M8-6gx 20.8835.019	6	Bolt	
	10	M6-6H.6.019	1	Nut	
	11	6.65Г.06	1	Washer	
	12	8.65Г.06	6	Washer	

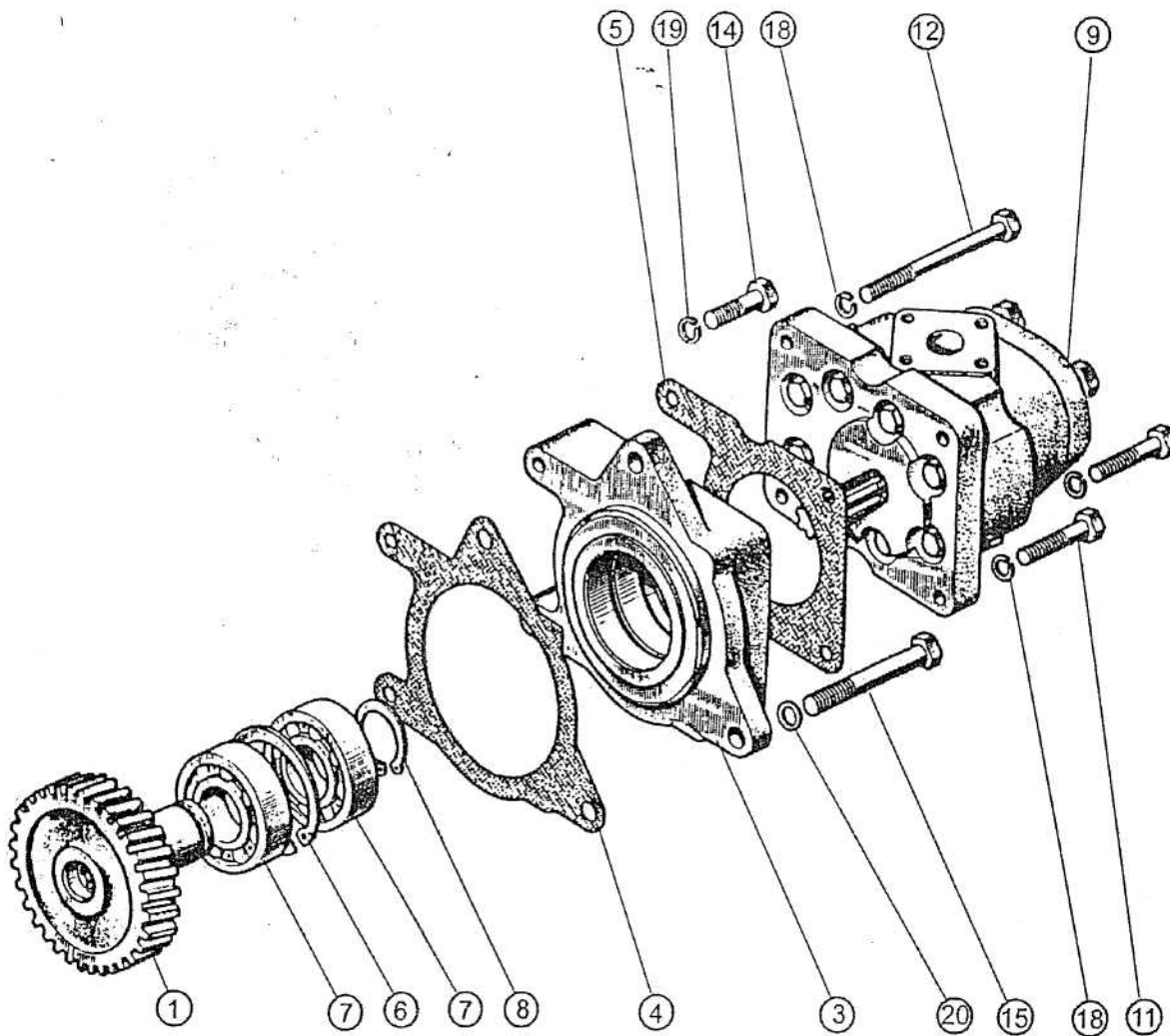


Fig. 8 Gear pump drive

Group 10. Diesel mechanisms.
Subgroup 3407. Gear pump drive

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
8	1	260 - 3407061	1	Drive gear	
	3	260 - 3407069	1	Housing	
	4	260 - 3407075	1	Gasket	
	5	240 -1022062	1	Gasket	
	6	240- 1307064-01	1	Lock ring	
	7	205K	2	Ball bearing	
	8	B 25	1	Ring	
	9	HIII14-3JI or HIII 16-3 JI	1	Gear pump	
	11	M8-6gx 35. 88.35.019	2	Bolt	
	12	M8-6gx 75. 88.35.019	2	Bolt	
	14	M10-6gx40. 88.35.019	1	Bolt	
	15	M10-6gx 65. 88.35.019	1	Bolt	
	18	8.65Г.06	4	Washer	
	19	10.6506	1	Washer	
	20	10.01.08 кп.019	1	Washer	

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Group 11. Fuel system
Subgroup 1101. Fuel tanks

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
9	1	1522-1101080	1	Bracket	
	2	M10	4	Nut	
	3	ШП10	8	Washer	
	4	ПП-43-02	10	Gasket	
	5	082-1103010	2	Plug	
	6	1522-1101060	1	Neck	
	7	85-1101002	1	Pipe	
	8	XC-66	2	Clamp	
	9	70-1101035-Б-01	1	Sleeve	
	10	1522-1101010	1	Tank	
	11	1522-1101090	2	Clamp	
	12	ПП6-I	1	Cock	
	13	1522-1101140-01	2	Band	
	14	1522-1101118	4	Gasket	
	15	3,2x18	4	Cotter pin	
	16	Φ80-3407720	2	Oil pipeline	
	17	36-1104788	2	Seal ring	
	18	36-1104787	1	Union bolt	
	19	1522-3806026	1	Gasket	
	20	85-1101002	1	Pipe	
	21	TORRO 12-20/9-C6W	2	Clamp "Norma"	
	22	Д0Т.6804-02	1	Fuel volume sensor	
	23	80-1101067	5	Washer	
	24	BM5x16	5	Screw	
	25	1522-1101005	2	Bolt	
	26	1522-1101140	2	Band	
	27	11,112-100	2	Ball	
	28	822-1101081	2	Union	
	29	1522-1101210	1	Tank	
	30	920П-1101210-02	1	Fuel pipeline	
	31	1522-1101125	4	Pin	
	32	1522-1101130	2	Bracket	
	33	M16x50	4	Bolt	
	34	ШП16	4	Washer	
	35	M10x25	4	Bolt	
	36	1522-1101070	1	Bracket	

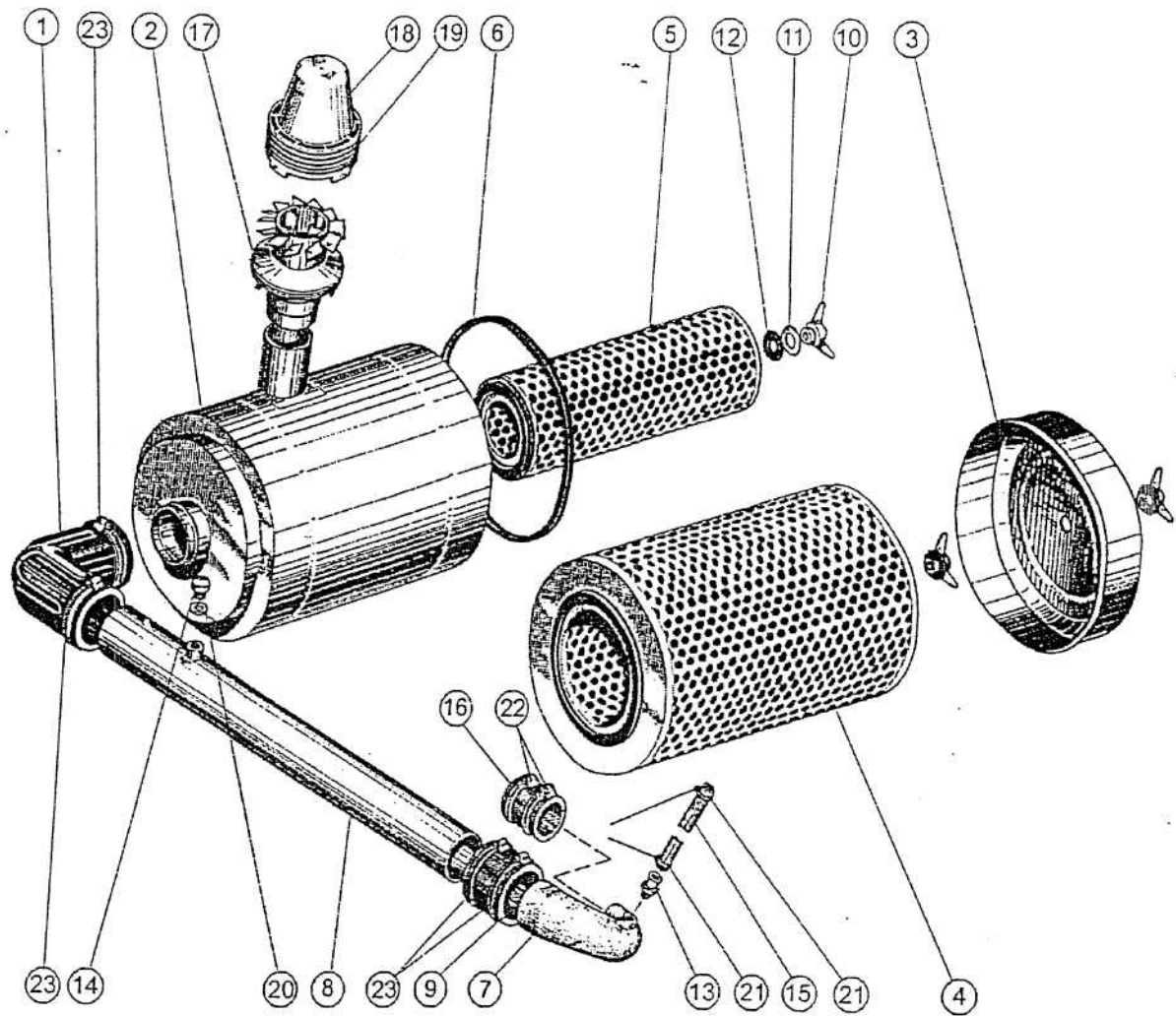


Fig. 10 Air intake piping

Group 11. Fuel system.

Subgroup 1109. Air intake piping.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
10		260-1109010	1	Air filter (consists of parts 260-1109015-02; A53.21.000 – 02)	
		260-1109015-02	1	Air filter (consists of parts 245-1109310; 2-6;)	
		245-1109310	1	Nut (consists of parts 10-12)	
		A53.21.000-02	1	Monocyclone (consists of parts 17-19)	
		260-1109400-01	1	Pipe (consists of parts 8; 14; 20)	
	1	260-1109009-A	1	Tube	
	2	260-1109035-02	1	Housing	
	3	260-1109256	1	Pan	
	4	260-1109300 or B4318-00	1	Filtering element	
	5	260-1109300-01 or B4318 -01.00	1	Filtering element	
	6	260-1109306	1	Ring	
	7	260-1109402	1	Tube	
	8	260-1109410-01	1	Pipe	
	9	245 -1008029	1	Tube	
	10	245-1109311	3	Nut	
	11	245-1109316	3	Washer	
	12	245-1109317	3	Gasket	
	13	242-3509213	1	Union	
	14	50-1117028	1	Threaded plug	
	15	18-29-600-1,3(13)	1	Sleeve	
	16	70-81-66-0,2(2)	1	Sleeve	
	17	A53.21.001-02	1	Tube	
	18	A53.21.002-02	1	Cap	
	19	A53.21.003-02	1	Cover	
	20	Д18-055-A-01	1	Seal ring	
	21	XЧП.10-019 or XC-26.019	2	Tension clamp	
	22	XC - 78.019	2	Tension clamp	
	23	XC-101.019	4	Tension clamp	

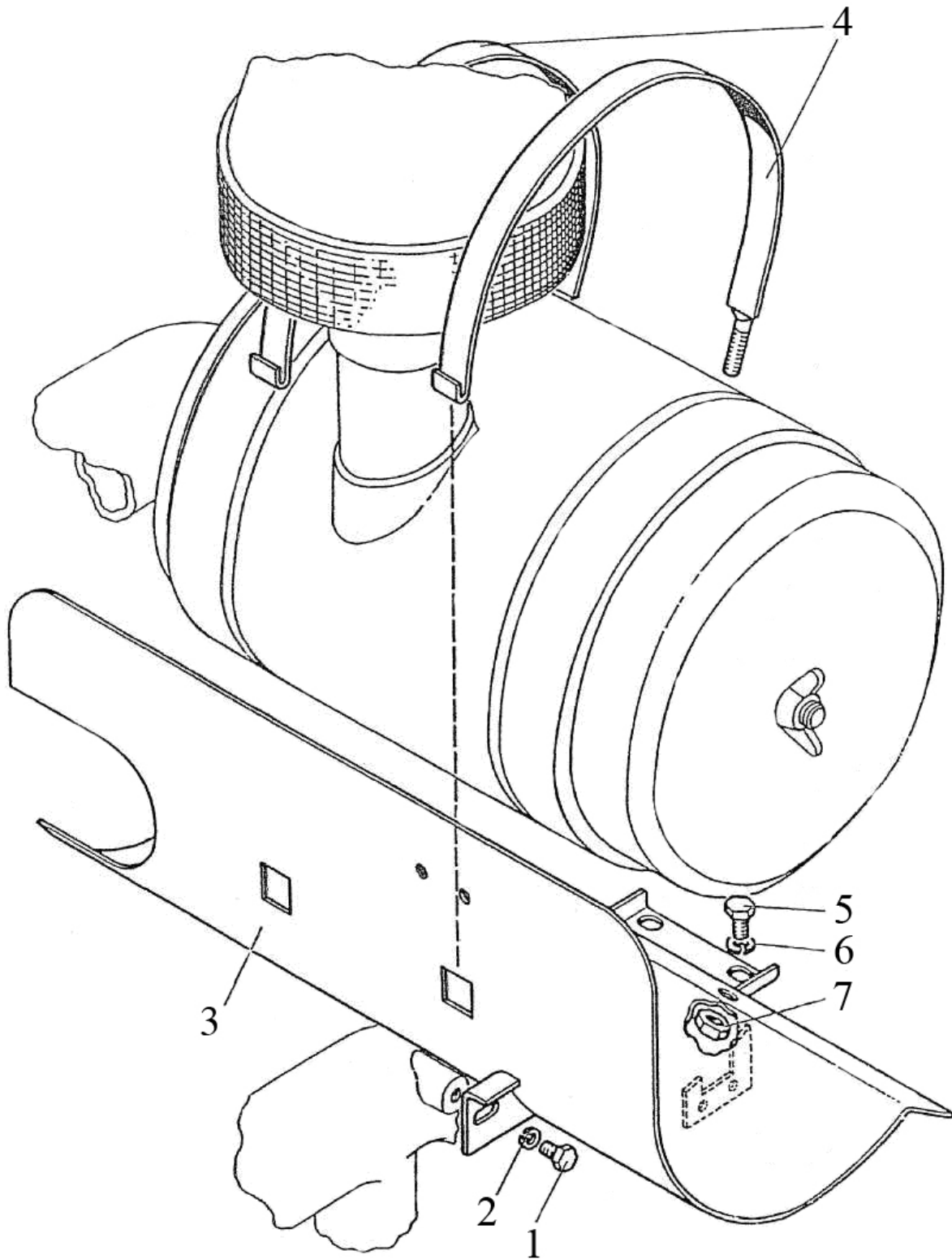


Fig. 11 Air filter installation

Group 11. Fuel system
Subgroup 1109. Air filter installation

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
11	1	M8x14	1	Bolt	
	2	IIII 8	1	Washer	
	3	1522-1109020	1	Support	
	4	1522-1109025	2	Clamp	
	5	M10x18	2	Bolt	
	6	IIII 10	1	Washer	
	7	M10	2	Nut	

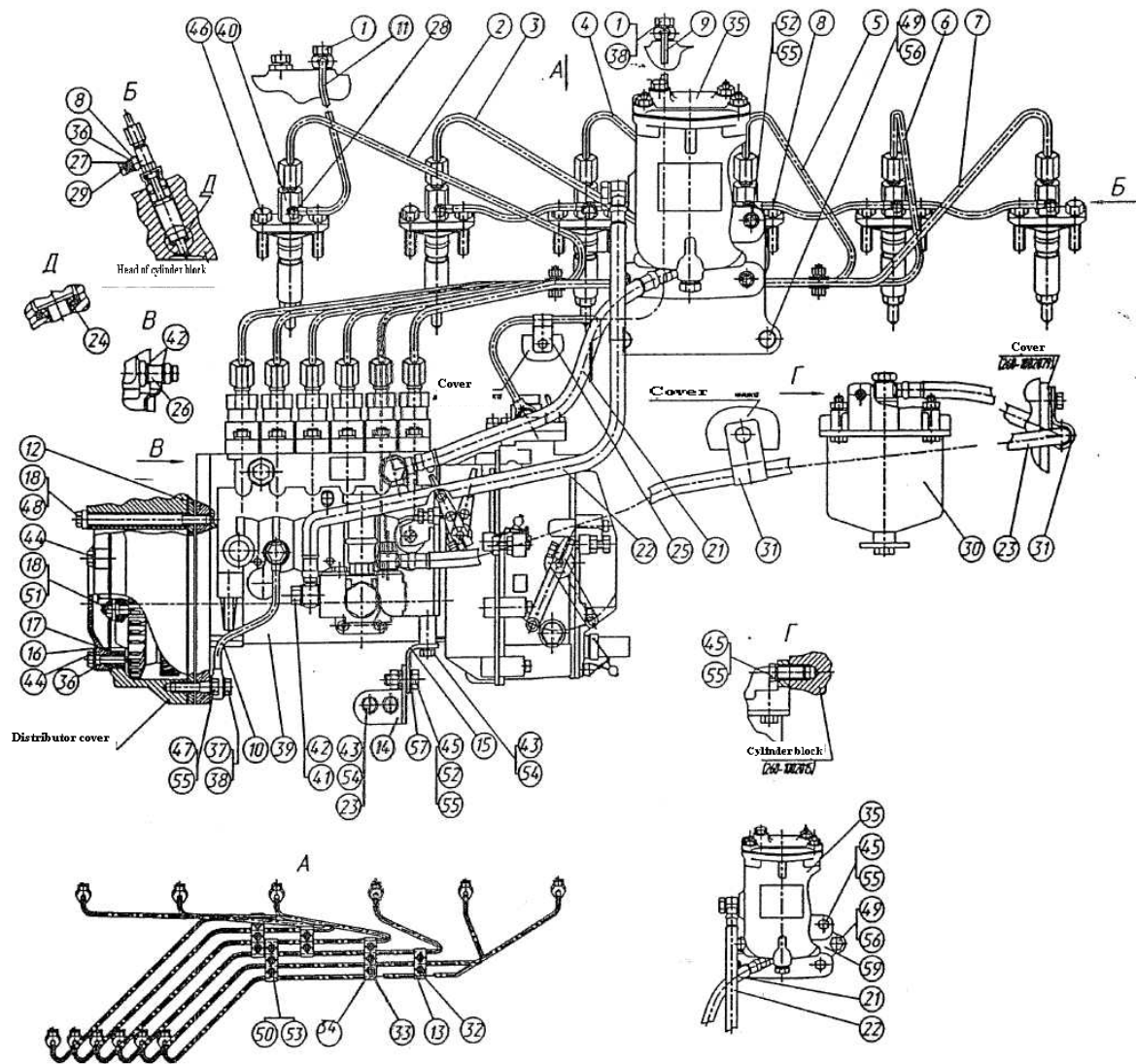


Fig. 12 Fuel pipelines and fuel equipment installation

Group 11. Fuel system.

Subgroups 1104, 1111. Fuel pipelines and fuel equipment installation.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
12	1	260-1104121	2	Union bolt	
	2	260-1104300-B1-19	1	High pressure fuel pipeline	
	3	260-1104300-B1-20	1	High pressure fuel pipeline	
	4	260-1104300-B1-21	1	High pressure fuel pipeline	
	5	260-1104300-B1-22	1	High pressure fuel pipeline	
	6	260-1104300-B1-23	1	High pressure fuel pipeline	
	7	260-1104300-B1-24	1	High pressure fuel pipeline	
	8	260-1104320-B	1	Drain fuel pipeline	
	9	260-1104340	1	Pneumatic corrector pipe	
	10	260-1104370	1	Oil pipeline	
	11	260-1104350-Γ	1	Return pipe	
	12	260-1111104	1	Gasket	
	13	260-1111106	2	Block	
	14	260-1111108-Γ	1	Bracket	
	15	260-1111109-E	1	Bracket	
	16	260-1111206	1	Cover	
	17	260-1111207	1	Gasket	
	18	260-1111208	3	Washer	
	20	260-1117200	1	Bracket	
	21	245-1104180-A-02	1	Low pressure fuel pipe	
	22	245-1104180-A-04	1	Low pressure fuel pipe	
	23	245-1104180-A-07	1	Low pressure fuel pipe	
	24	245-1111020	6	Gasket	
	25	245-1111104	1	Clip	
	26	245-1111113	1	Protective bushing	
	27	245-1111115	1	Protective bushing	
	28	240-1104787	5	Union bolt	
	29	240-1104787-B	1	Union bolt	
	30	240-1105010	1	Coarse fuel filter	
	31	240-1111101	2	Clamp	
	32	240-1111105	2	Block	
	33	240-1111120	3	Block	
	34	240-1111121-02	3	Block	
	35	240-1117010-A	1	Fine fuel filter	
	36	50-1022067	16	Seal ring	
	37	36-1104787	3	Union bolt	
	38	36-1104788	10	Gasket	
	39	363.1111005-40.01T*	1	High pressure fuel pump	
		363.1111005-40.02T*	1	High pressure fuel pump	

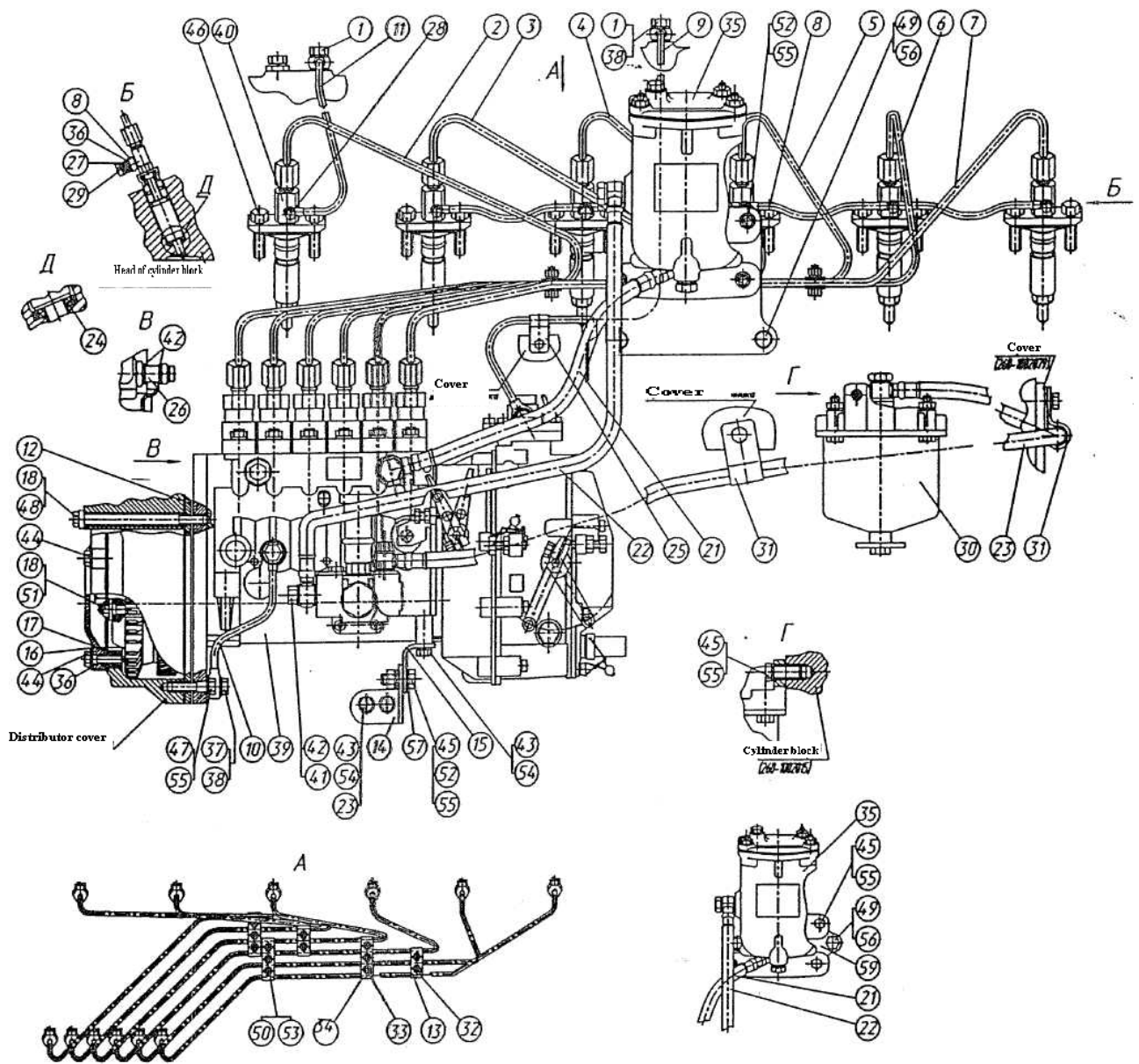


Fig. 12 Fuel pipelines and fuel equipment installation

Group 11. Fuel system.

Subgroups 1104, 1111. Fuel pipelines and fuel equipment installation.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
12	40	455.1112010-50or 172.1112010-11.01	6	Fuel injector	
	41	Д18-051-A	7	Banjo bolt	
	42	Д18-055-A	16	Seal ring	
	43	M8-6gx20.88.35.016	4	Bolt	
	44	M8-6gx30.88.35.016	3	Bolt	
	45	M10-6gx25.88.35.016	3	Bolt	
	46	M10-6gx35.88.35.016	12	Bolt	
	47	M10-6gx40.88.35.016	2	Bolt	
	48	M10-6gx120.88.35.016	2	Bolt	
	49	M12-6gx25.88.35.016	2	Bolt	
	50	M6-6H.6.016	13	Nut	
	51	M10-6H.12.40X.016	3	Nut	
	52	M10-6H.6.016	4	Nut	
	53	6.65Г.016	14	Washer	
	54	8.65Г.016	4	Washer	
	55	10.65Г.016	8	Washer	
	56	12.65Г.016	2	Washer	
	57	10.01.08КП.016	2	Washer	

* - for diesel D-260.1S2-59

** - for diesels D-260.2S2-60 and D-260.2S2-103

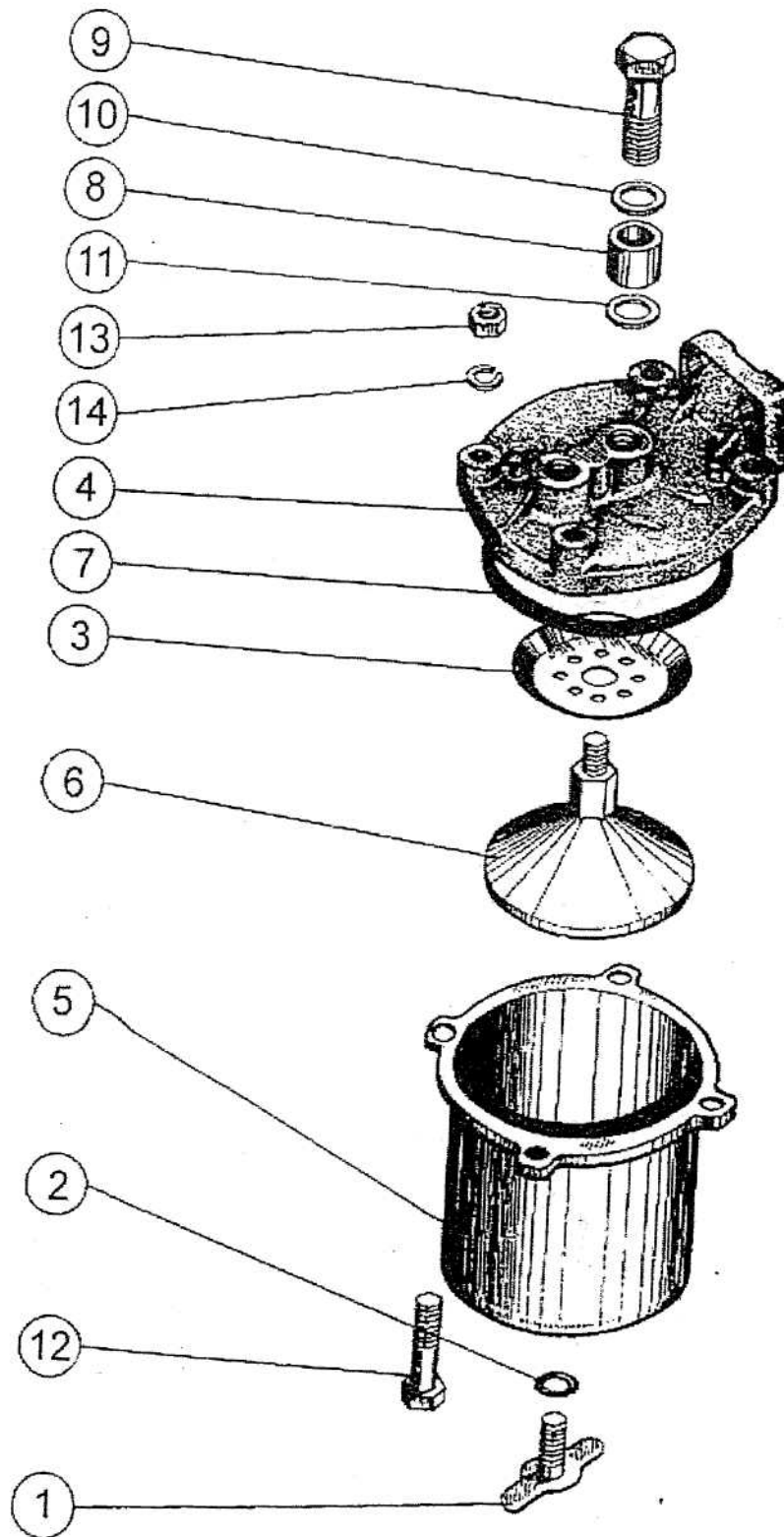


Fig. 13 Coarse fuel filter

Group 11. Fuel system.

Subgroups 1104, 1111.Coarse fuel filter.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
13		240-1105010	1	Coarse fuel filter (consists of parts 1-14)	
	1	260-1105030	1	Plug	
	2	260-1117134	1	Seal ring	
	3	240-1105011	1	Diffuser	
	4	240-1105015	1	Housing	
	5	240-1105020-01	1	Sleeve	
	6	240-1105025	1	Baffle plate	
	7	98 - 4 - 4 - 10Д	1	Ring	
	8	Д16 - III - A	2	Protective bushing	
	9	Д18-051-A	2	Banjo bolt	
	10	Д18-055-A	2	Ring	
	11	Д18-055-A -01	2	Ring	
	12	M8-6gx30.88.35.016	4	Bolt	
	13	M8-6H.6.019	4	Nut	
	14	8.65Г.019	4	Washer	

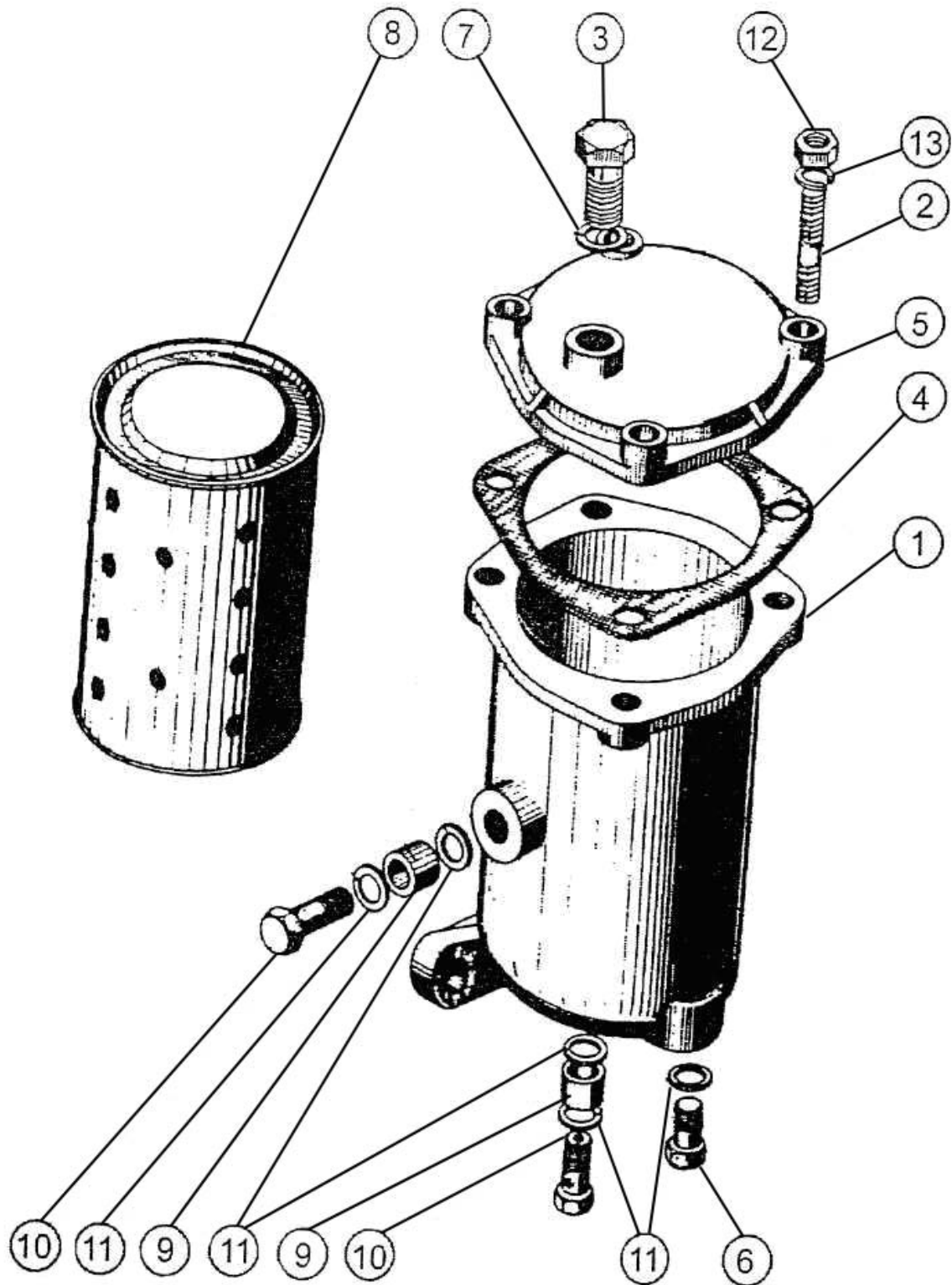


Fig. 14 Fine fuel filter

Group 11. Fuel system.

Subgroups 1104, 1111. Fine fuel filter.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
14		240-1117010-A	1	Fuel filter (consists of parts 1-13)	
		240-1117020-A	1	Filter housing (consists of parts 1; 2)	
		240-1117180	1	Cover (consists of parts 4;	
	1	240-1117025-A1	1	Filter housing	
	2	240-1117029	4	Stud	
	3	240-1117030	1	Filtering element	
	4	240-1117101 -A	1	Union bolt	
	5	240-1117102	1	Gasket	
	6	240-1117185-B	1	Cover	
	7	50-1117028	1	Threaded plug	
	8	36-1104788	1	Ring	
	9	Д16-111-A	2	Protective bushing	
	10	Д18-051-A or A12.01.003.-03	2	Banjo bolt	
	11	Д18-055-A	5	Seal ring	
	12	M8-6H.6.019	4	Nut	
	13	8.65Г.019	4	Washer	

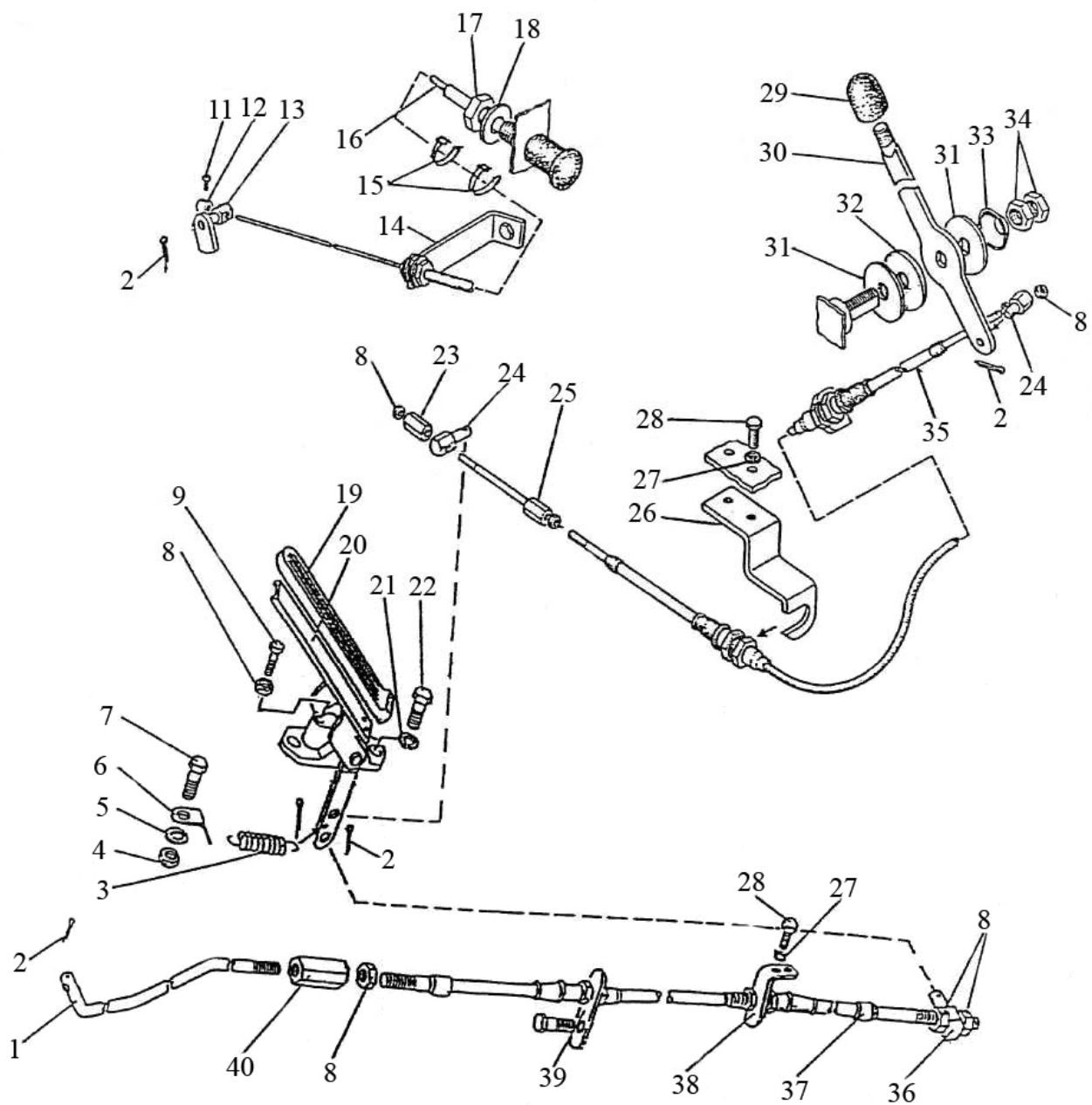


Fig. 15 Fuel delivery control

Group 11

Subgroup 1108. Fuel delivery control

Fig. No	Pos. No	Indication	Qty	Designation	Note
15	1	1222-1108541	1	Rod ("Motorpal")	
		1222-1108541-01	1	Rod ("Yazda")	
	2	3,2x18	5	Cotter pin	
	3	70-4803019	1	Spring	
	4	M8	1	Nut	
	5	IIIИ8	1	Washer	
	6	80B-1108341	1	Plate	
	7	M8x20	1	Bolt	
	8	M 6	9	Nut	
	9	M6x30	1	Bolt	
	11	B1M4x10	1	Screw	
	12	70-1310441	1	Lock	
	13	80-1108317	1	Lug	
	14	80-1108126	1	Bracket	
	15	80-3723045	2	Collar	
	16	80-1108630-A-02	1	Rope	
	17	M12x1,25	1	Nut	
	18	IIIЧ12	1	Washer	
	19	A13.36.001	1	Cover	
	20	80B-1108510	1	Pedal	
	21	IIIИ10	2	Washer	
	22	M10x25	2	Bolt	
	23	75-1108333	1	Coupling	
	24	80B-1108317	2	Lug	
	25	75-1108310	1	Clevis	
	26	2022-1108505	1	Bracket	
	27	IIIИ6	4	Washer	
	28	M6x16	4	Bolt	
	29	A13.11.000	1	Handle	
	30	1522-1108350	1	Handle	
	31	80-1108028	2	Washer	
	32	80-1108178	1	Friction washer	
	33	80B-1108347	1	Disk spring	
	34	M14x1,5	2	Nut	
	35	80B-1108300-A-01	1	Rope	
	36	600-1108017	1	Lug	
	37	80B-1108300-A-02	1	Rope	
	38	821-1108504	1	Bracket	
	39	1522-1108053	1	Bracket	
	40	1522-1108033	1	Coupling	

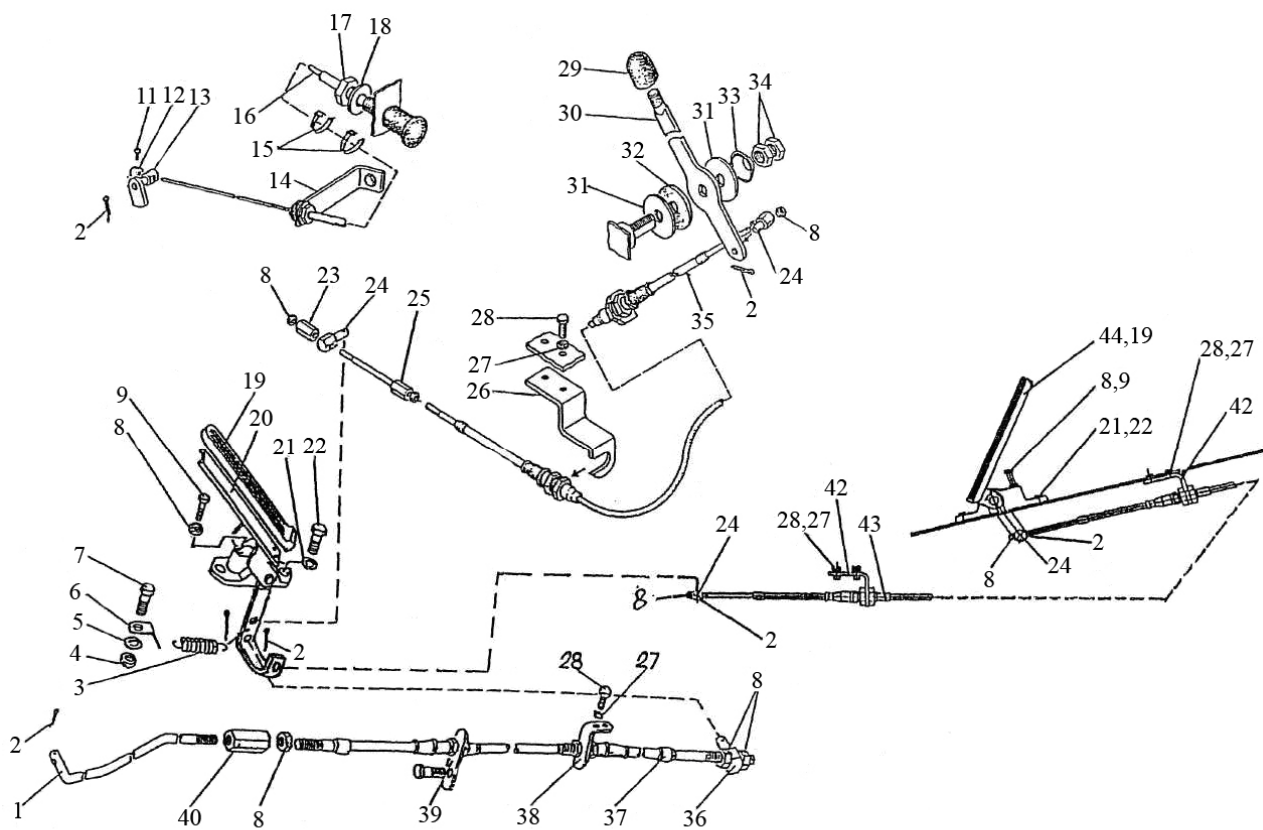


Fig. 16 Fuel delivery control (in reverse mode)

Group 11

Subgroup 1108. Fuel delivery control

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
16	1	1222-1108541	1	Rod ("Motorpal")	
		1222-1108541-01	1	Rod ("YAZDA")	
	2	3,2x18	7	Cotter pin	
	3	70-4803019	1	Spring	
	4	M8	1	Nut	
	5	ШП8	1	Washer	
	6	80B-1108341	1	Plate	
	7	M8x20	1	Bolt	
	8	M6	14	Nut	
	9	M6x30	2	Bolt	
	11	BIM4x10	1	Screw	
	12	70-1310441	1	Lock	
	13	80-1108317	1	Lug	
	14	80-1108126	1	Bracket	
	15	80-3723045	2	Collar	
	16	80-1108630-A-02	1	Rope	
	17	M12x1,25	1	Nut	
	18	ШЧ12	1	Washer	
	19	A13.36.001	2	Cover	
	20	2522B-1108510	1	Pedal	
	21	ШП10	4	Washer	
	22	M10x25	4	Bolt	
	23	75-1108333	1	Coupling	
	24	80B-1108317	4	Lug	
	25	75-1108310	1	Clevis	
	26	2022-1108505	1	Bracket	
	27	ШП6	8	Washer	
	28	M6x16	8	Bolt	
	29	A13.11.000	1	Handle	
	30	1522-1108350	1	Handle	
	31	80-1108028	2	Washer	
	32	80-1108178	1	Friction washer	
	33	80B-1108347	1	Disk spring	
	34	M14x1,5	2	Nut	
	35	80B-1108300-A-01	1	Rope	
	36	600-1108017	1	Lug	
	37	80B-1108300-A-02	1	Rope	
	38	821-1108504	1	Bracket	
	39	1522-1108053	1	Bracket	
	40	1522-1108033	1	Coupling	
	42	80B-1108504	2	Bracket	
	43	80B-1108300-A-04	1	Rope	
	44	1522B- 1108010	1	Pedal	

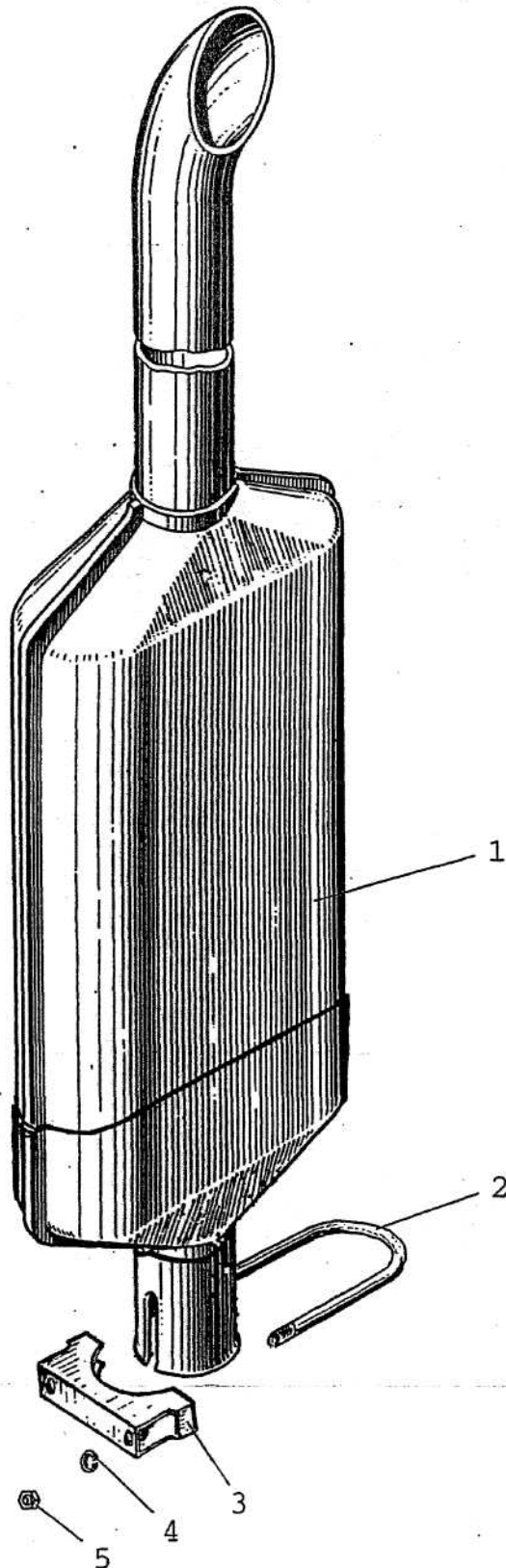


Fig. 17 Muffler

Group12. Gas exhaust
Subgroup 1205. Muffler

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
17		800-1205130	1	Clamp (consists of parts 2,3,4,5)	
	1	800-1205015-A	1	Muffler	
	2	800-1205131	1	Clip	
	3	800-1205132	1	Clamp	
	4	10.01.08 кп.016	2	Washer	
	5	M10	2	Nut	

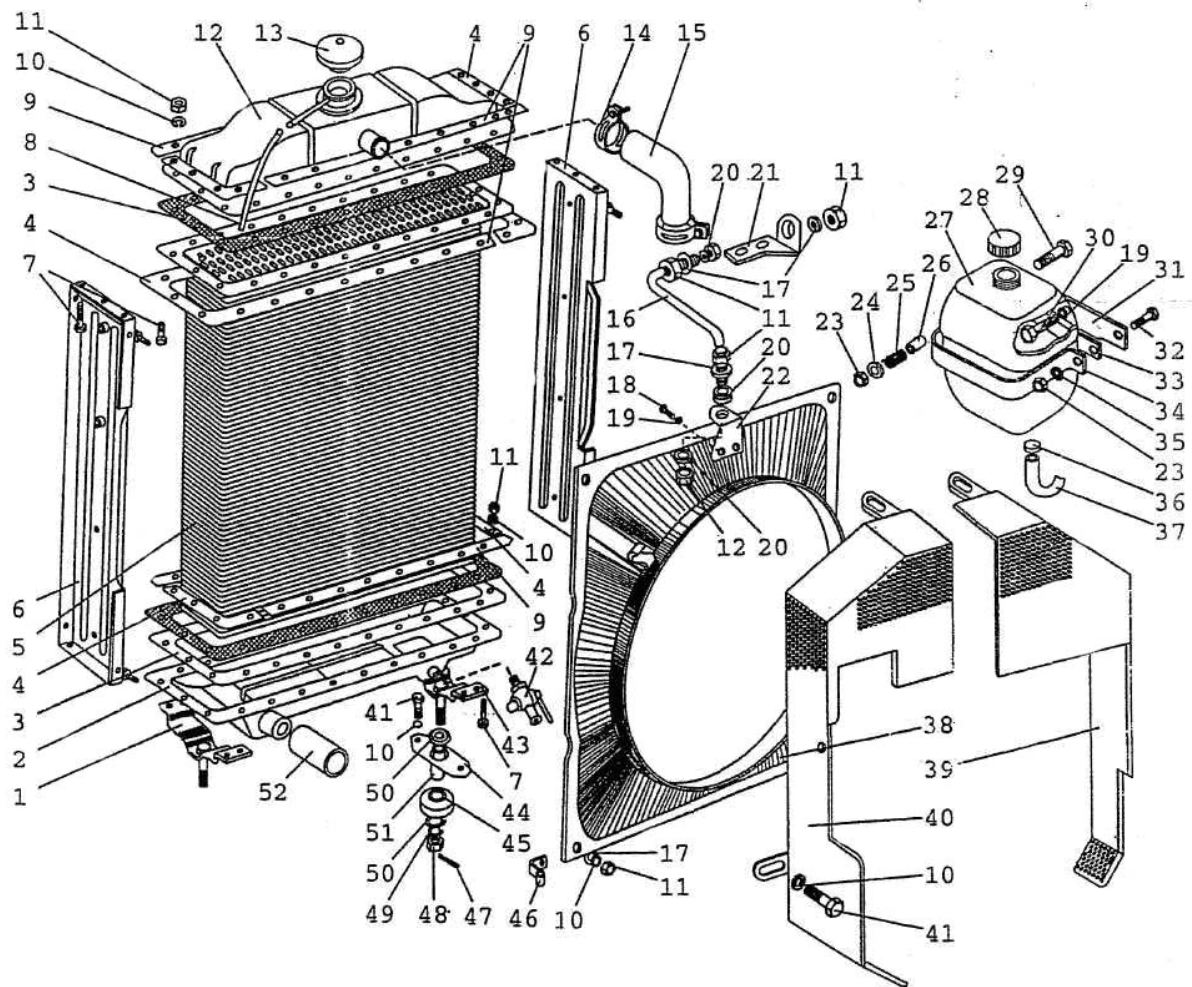


Fig. 18 Water radiator

Group 13. Cooling system
Subgroup 1301 Water radiator

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
18		1520-1301010 Б -01	1	Water radiator (1, 2, 4-6, 7, 9, 12, 13, 43-45, 49-51)	
		1221-1309200	1	Fan guard (39,40)	
	1	2120-1301300	1	Radiator support	
	2	2120-1301200	1	Lower tank	
	3	141.13.01.114	2	Gasket	
	4	141-1301113	8	Elbow plate	
	5	1520 13.01.020-01	1	Radiator core	
	6	141.13.01.111	2	Stand	
	7	M8x25	72	Bolt	
	8	1321-13.11008	1	Steam outlet	
	9	141.1301.112	8	Lining	
	10	IIIИ8	64	Washer	
	11	M8	64	Nut	
	12	1520-1301100	1	Upper tank	
	13	A21.01.270-1	1	Plug	
	14	XC-64	4	Clamp	
	15	142-1303010	1	Sleeve	
	16	1520-1302003	1	Tension member	
	17	IIIИ8	4	Washer	
	18	M10x18	2	Bolt	
	19	IIIИ10	2	Washer	
	20	85-1302071	2	Shock absorber	
	21	1520-1302072	1	Bracket	
	22	1220-1302002	1	Bracket	
	23	M6	2	Nut	
	24	80-1314006	1	Disk	
	25	54.06.413	1	Spring	
	26	80-1311003	1	Bushing	
	27	80П-1311010	1	Expansion chamber	
	28	80П-311011	1	Plug	
	29	M6x40	1	Bolt	
	30	M10x12	1	Bolt	
	31	1522-1311101	1	Bracket	
	32	M6x16	1	Bolt	
	33	80-1311004	1	Strip	
	34	80-1311002	1	Clamp	

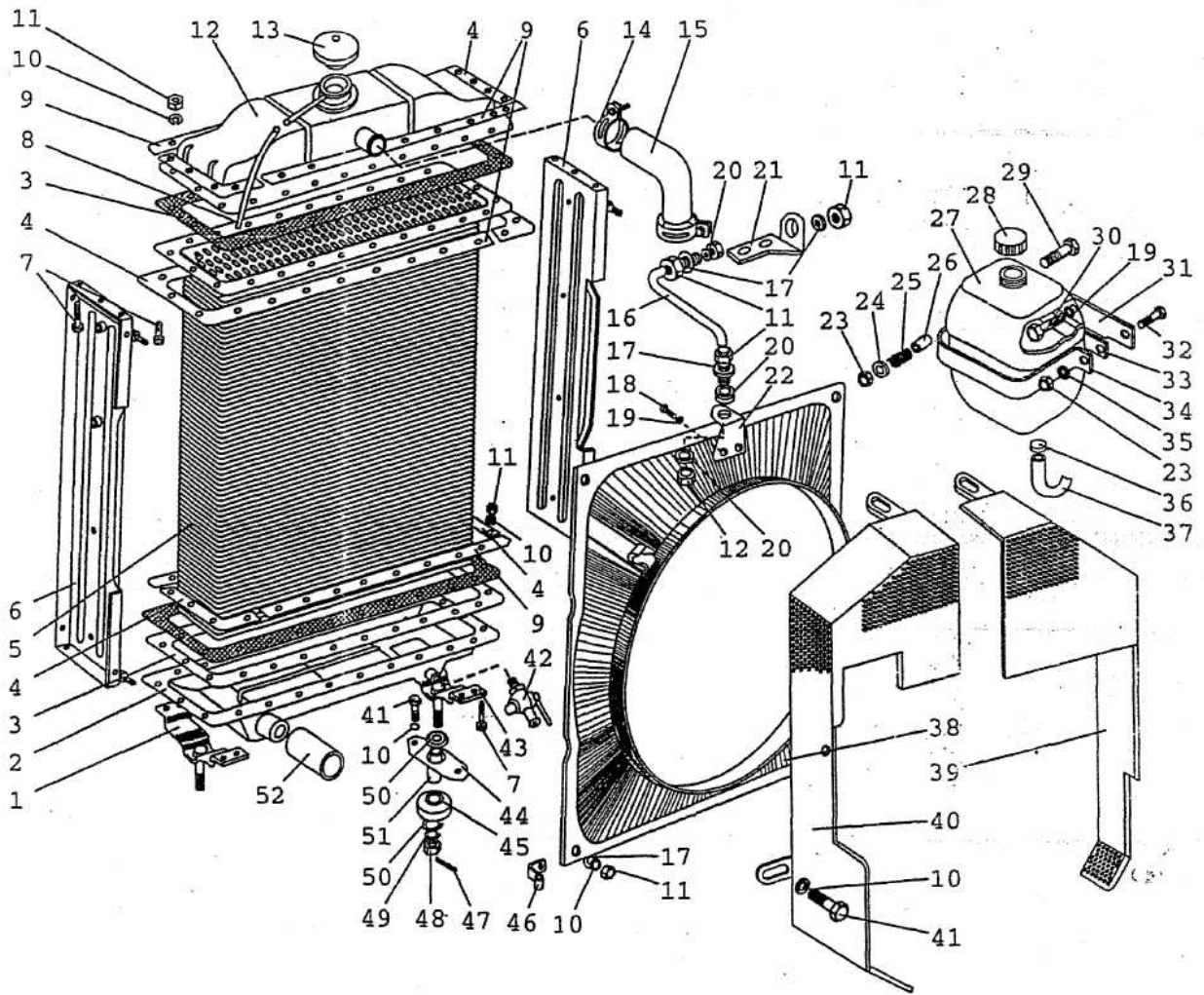


Fig. 19 Water radiator

Group 13. Cooling system
Subgroup 1301. Water radiator

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
19	35	IIII 6	1	Washer	
	36	12-20	2	Clamp "Norma"	
	37	70-1301158	1	Pipe	
	38	1520-1309080	1	Casing	
	39	1221-1309305	1	Right guard	
	40	1221-1309310	1	Left guard	
	41	M8x16	8	Bolt	
	42	KГ 1/4". A12.019	1	Plug	
		TY 23.1.506-91			
	44	70Y-1302016-01	2	Strip	
	45	70Y-1302018-01	2	Shock absorber	
	46	48-1104016	1	Clip	
	47	3,2x20	2	Cotter pin	
	48	M12	2	Nut	
	49	IIII12	4	Washer	
	50	IIIЧ12	4	Washer	
	51	70Y-1302015	2	Bushing	
	52	1220-1303004-01	1	Sleeve	

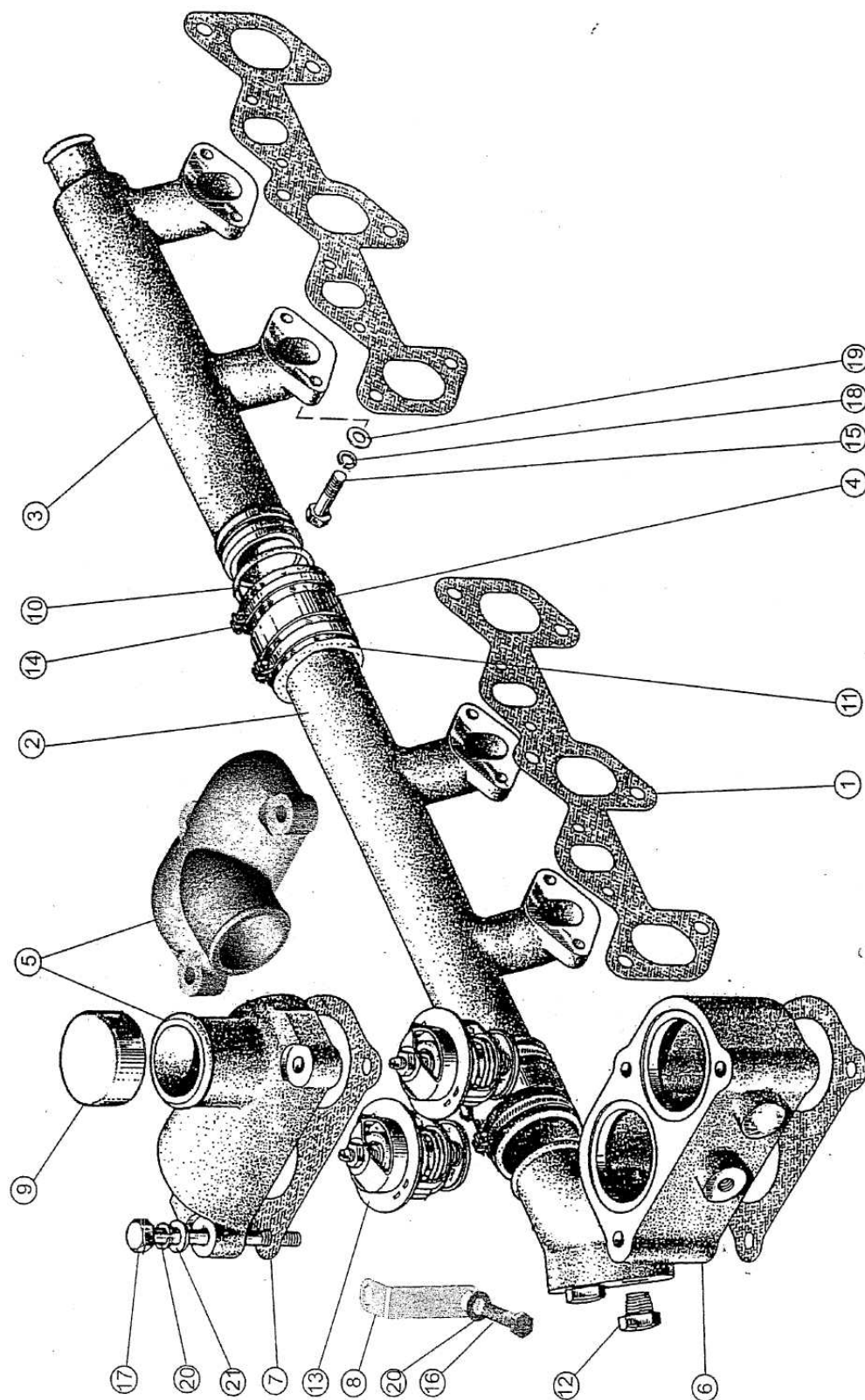


Fig. 20 Water collecting pipe and thermostats

Group 13. Cooling system.

Subgroups 1303,1306. Water collecting pipe and thermostats.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
20		260-1303010	1	Water collecting pipe (consists of parts 1-4;10; 11; 14; 15; 18; 19;)	
		260-1306020	1	Housing of thermostats (consists of parts 5- 7; 9; 12; 13; 17; 20; 21;)	
	1	260-1306026	2	Gasket	
	2	260-1306031	1	Front pipe	
	3	260 -1306033	1	Rear pipe	
	4	260-1306034	2	Shield	
	5	260-1306057	1	Cover	
	6	260-1306058	1	Housing of thermostats	
	7	260-1306059	2	Gasket	
	8	260 - 1306061	1	Plate	
	9	260 - 0000121 - 01	1	Blind plug (technological)	
	10	052 - 056 - 25 - 2 -1	3	Ring	
	11	55 - 66 - 60 - 0,2(2)	2	Sleeve	
	12	КТ3/8"10кп.016	2	Plug	
	13	TC107-1306100-02	2	Wax thermostat	
		or ТКЦИ423	2	Thermostat TP4-01	
	14	XC-61.019	4	Clamp	
	15	M8-6g x	8	Bolt	
	16	M10-6g x 16	1	Bolt	
	17	M10-6g x 100	3	Bolt	
	18	8.65Г.016	8	Washer	
	19	8.01.08кп.016	8	Washer	
	20	10.65Г.016	4	Washer	
	21	10.01.08кп.016	3	Washer	

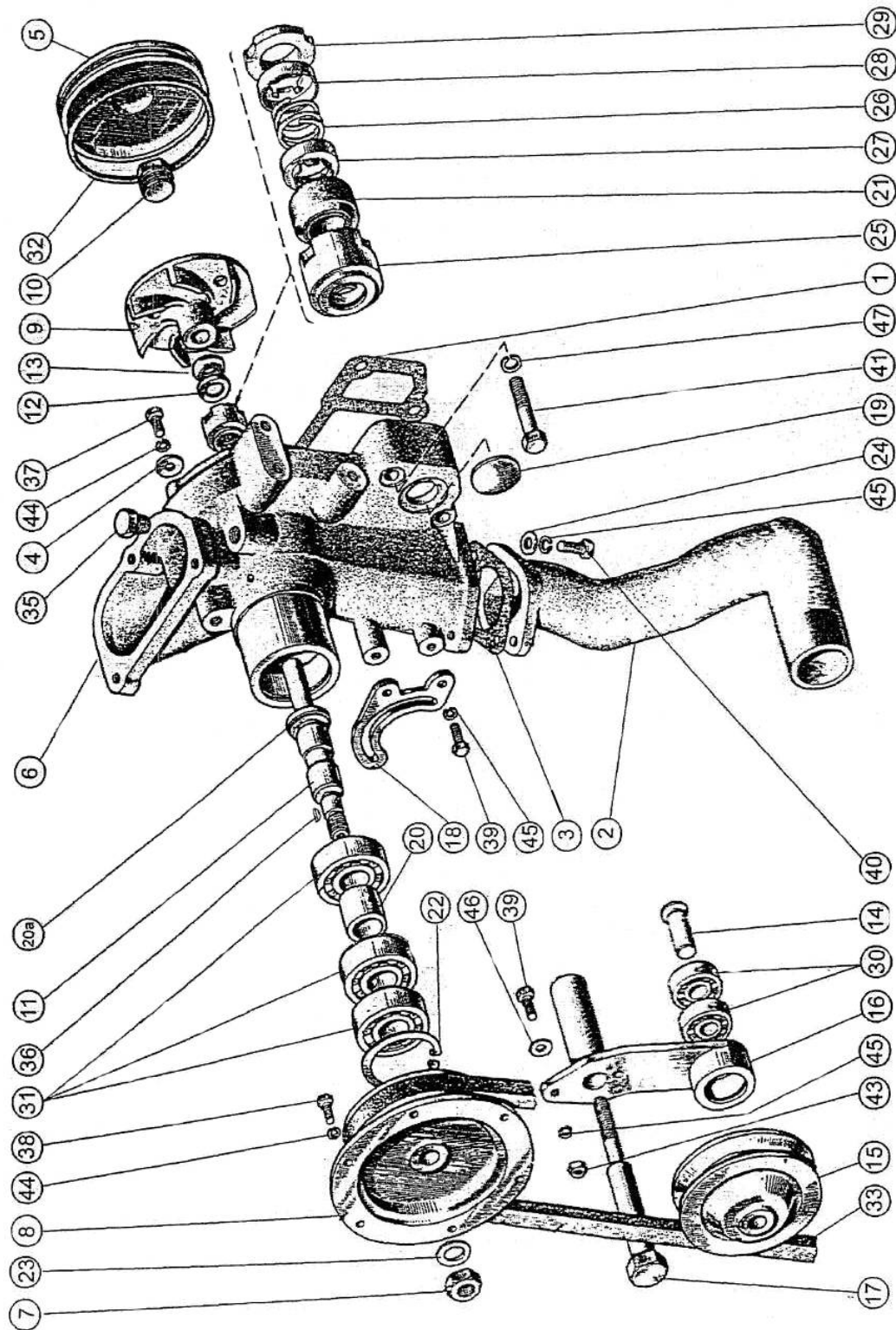


Fig. Water pump and drag bar

Group 13. Cooling system.

Subgroups 1307, 1310. Water pump and drag bar.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
21		260-1307116	1	Water pump (consists of parts 260-1307117; 8)	
		260-1307117	1	Water pump (consists of parts 240 -1307030; 4 - 7; 9 - 13; 19; 20; 20-1; 22; 23; 31;32; 35-37; 44)	
		240-1307030	1	Water pump gland(consists of parts 21; 25- 29)	
		260-1310105	1	Drag bar (consists of parts 14-16; 30)	
	1	260-1307023	1	Pump gasket	
	2	260-1307046	1	Tube	
	3	260-1307049	1	Gasket	
	4	260-1307063 or 851.3014.000	3	Washer	
	5	260-1307120	1	Pump cover	
	6	260-1307121	1	Pump housing	
	7	260-1307123	1	Nut	
	8	260-1307124-01	1	Pulley	
	9	260-1307132	1	Impeller	
	10	260-1307134-01	1	Nut	
	11	260- 1307151-01	1	Pump shaft	
	12	260-1307169	1	Thrust ring	
	13	260-1307171	1	Seal ring	
	14	260-1310019	1	Pin	
	15	260-1310021	1	Tensioning pulley	
	16	260-1310118	1	Lever	
	17	260.5-1310119	1	Central bolt	
	18	260-1310122	1	Strip	
	19	45-08кп.Ц9xp.	1	Blind plug	
	20	260-1307084	1	Bushing	
	20a	245 -1307094	1	Thrust ring	
	21	240-1307038-Б	1	Collar	
	22	240-1307064	1	Lock ring	
	23	50-1005161	1	Washer	
	24	50 -1401067	2	Washer	
	25	240-1307032	1	Outer housing	
	26	2101 -1307034	1	Spring	
	27	240 - 1307042	1	Inner housing	
	28	240-1307046	1	Outer housing	
	29	01 -1328	1	Slipping ring	
	30	6-180203K1C17	2	Bearing	
	31	1160305	3	Bearing	
	32	115-120-30-2-1	1	Ring	
	33	1кЛ11-16x11-1220 or 2кЛ11-16x 11-1220	1	Toothed belt	
	35	КГ3/8"10кп.016	1	Plug	

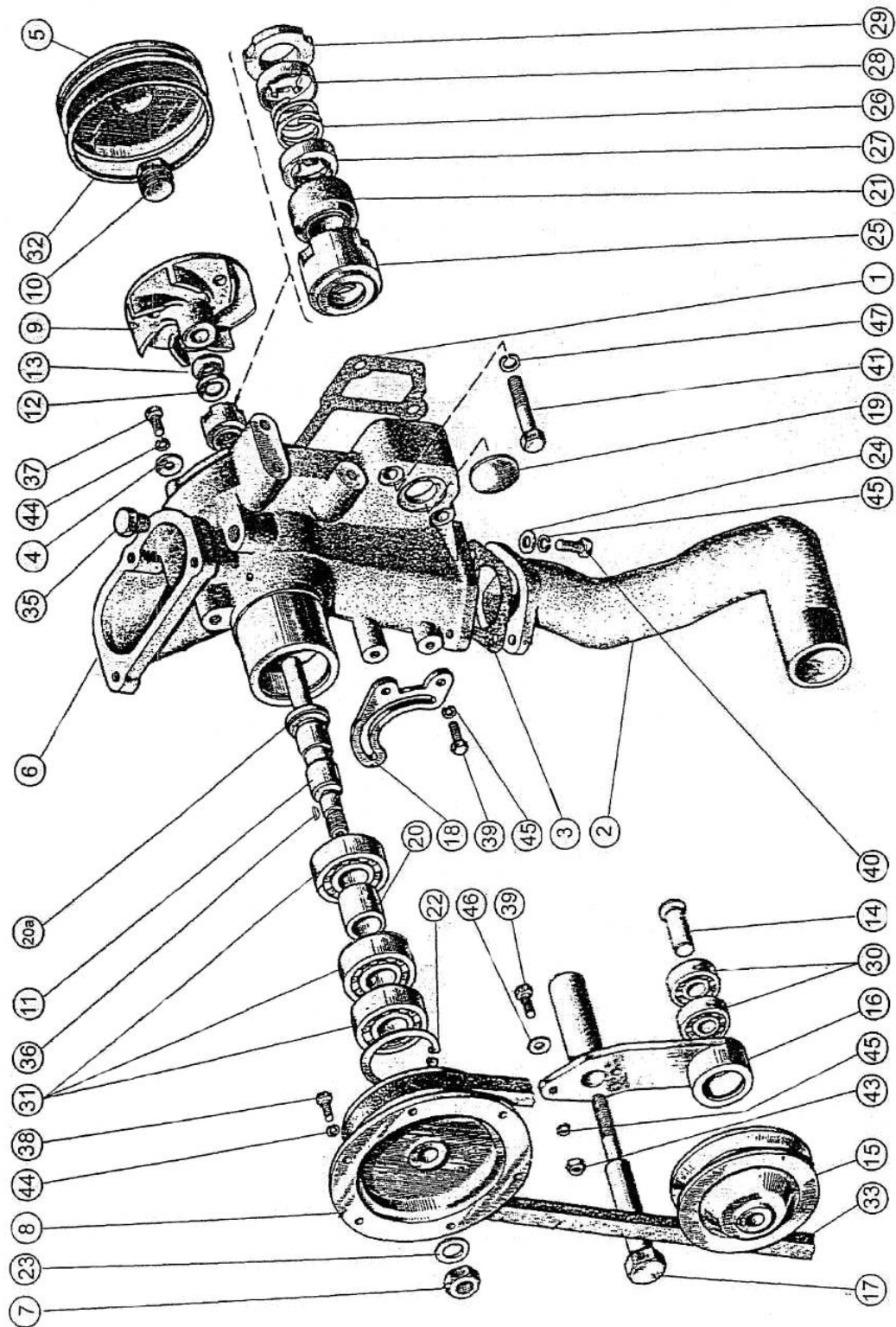


Fig. 21 Water pump and drag bar

Group 13. Cooling system.

Subgroups 1307, 1310. Water pump and drag bar

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
21	36	5X6,5	1	Key	Not shown on the figure
	37	M6 -6g x 12.88.35.016	3	Bolt	
	38	M6-6g x 20 88.35.016	6	Bolt	
	39	M8-6g x 20. 88.35.016	3	Bolt	
	40	M8-6g x 25. 88.35.016	2	Bolt	
	41	M12-6g x 65. 88.35.016	2	Bolt	
	42	M12-6g x 70. 88.35.016	1	Bolt	
	43	M8 - 6H.6	1	Nut	
	44	6.65Г016	9	Washer	
	45	8.65Г016	5	Washer	
	46	8.01.08кп.016	1	Washer	
	47	12.65Г.016	3	Washer	

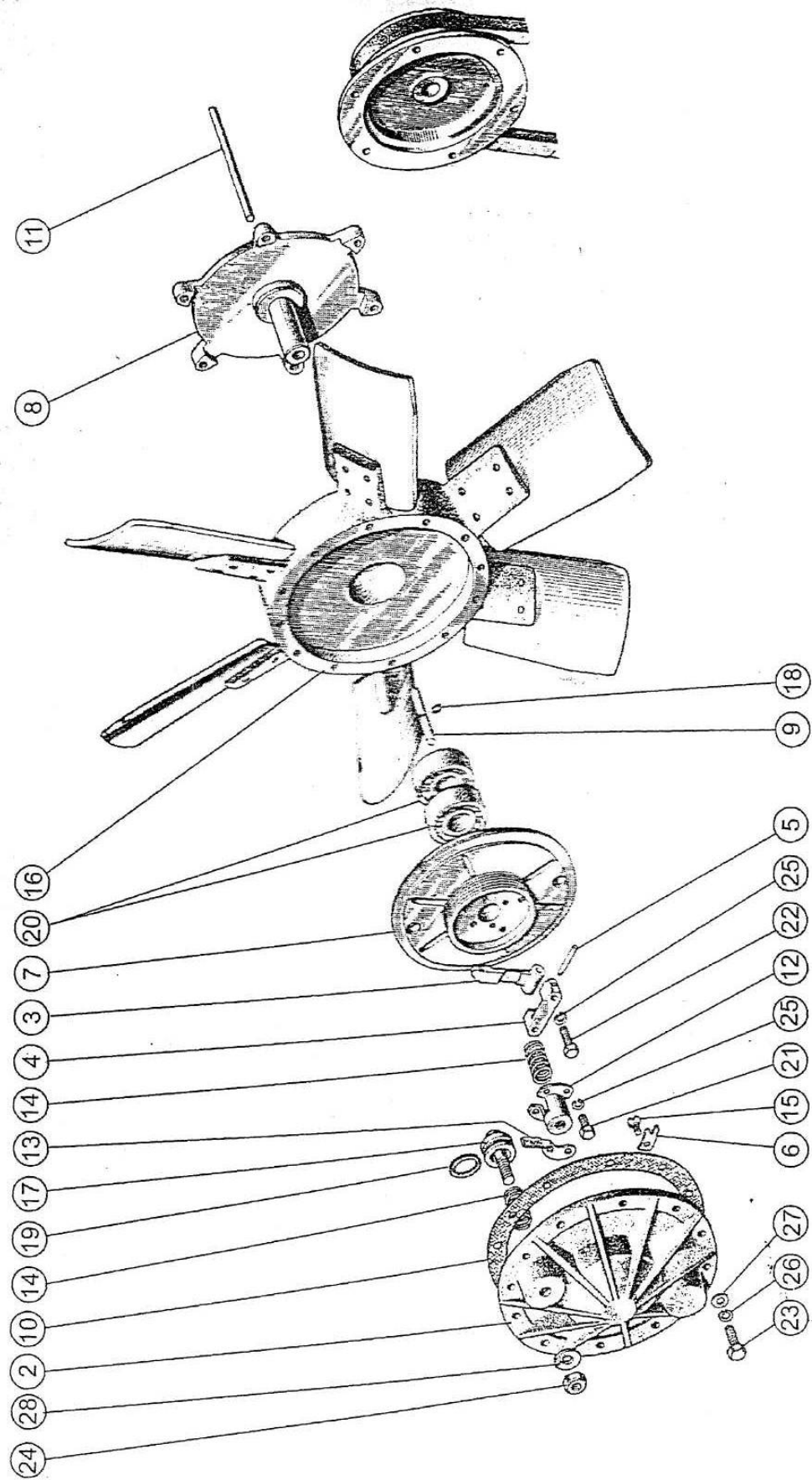


Fig. 22 Fan coupling installation. Fan installation

Group 13. Cooling system.

Subgroup 1308. Fan coupling installation. Fan installation

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
22		260-13084000-01	1	Fan coupling (consists of parts 260-1308425; 260-1308455; 260-1308460 - 01; 10; 23; 26; 27;)	
		260-1308425	1	Tappet (consists of parts 9; 18)	
		260-1308455	1	Driven cover (consists of parts 2; 6; 14; 15; 17; 19; 24; 28)	
		260-1308460	1	Half-coupling (consists of parts 260-1308475; 8; 16; 20)	
		260-1308475	1	Driving disk (consists of parts 7; 8; 12; 13; 21; 22; 25;)	
	2	260-1308402	1	Driven cover	
	3	260-1308404	1	Valve	
	4	260-1308406	1	Stand	
	5	260-1308407	1	Valve axle	
	6	260-1308411	1	Catch	
	7	260-1308413	1	Driving disk	
	8	260-1308415	1	Drive shaft	
	9	260-1308417	1	Tappet	
	10	260-1308418	1	Gasket	
	11	260-1308419	1	Rod	
	12	260-1308423	1	Casing	
	13	260-1308424	1	Clip	
	14	260-1308448	2	Spring	
	15	260-1308449	1	Screw	
	16	260-1308465	1	Driven disk	
	17	260-1308470	1	Lock	
	18	004-007-19-2-1	1	Ring	
	19	020-025-30-2-4	1	Ring	
	20	6-180204AC17	2	Bearing	
	21	M4-6g x	4	Bolt	
	22	M4-6g x 20.	2	Bolt	
	23	M6-6g x 20.	12	Bolt	
	24	M8 - 6H.6 016	1	Nut	
	25	4.65Г.019	6	Washer	
	26	6.65Г.016	12	Washer	
	27	6.01.08кп.019	12	Washer	
	28	8.01.08кп.016	1	Washer	

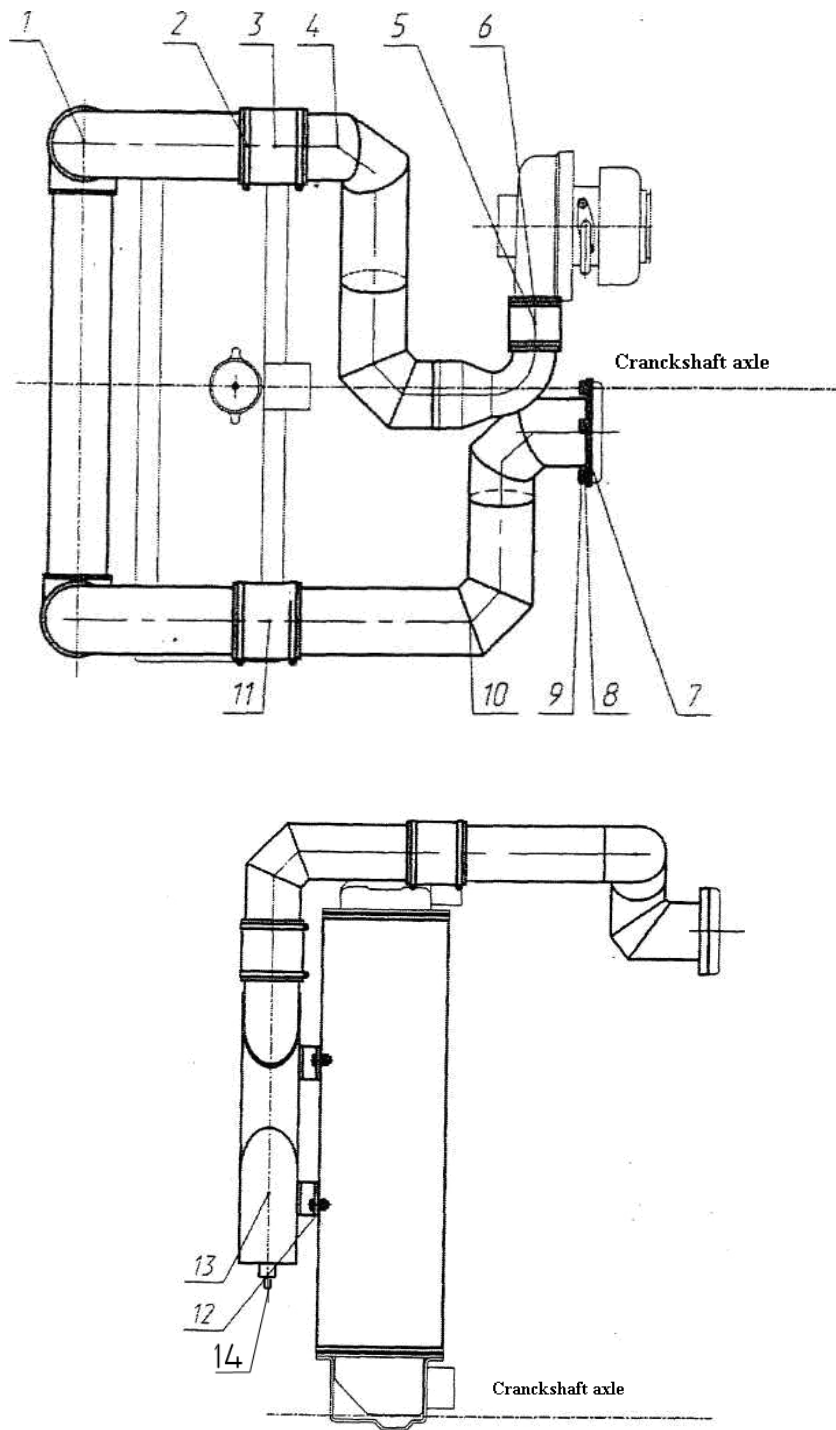


Fig. 23 Cooler installation

Group 13. Cooling system

Subgroup 1317. Cooler installation

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
23	1	1523-1317620	2	Air pipeline	
	2	GBS 82/25 W2	8	Clamp "Norma"	
	3		2	Silicone tube 75x100 red	
	4	1523-1317600-A	1	Air pipeline	
	5		1	Silicone tube 50x100 red	
	6	GBS 61/20 W2	2	Clamp "Norma"	
	7	2022-1317631	1	Gasket	
	8	8T	7	Washer	
	9	M8x16	7	Bolt	
	10	1523-1317610-A	1	Air pipeline	
	11		2	Silicone tube 75x100 blue	
	12	M8	4	Nut	
	13	1522-1317100	1	Cooler	
	14	KT 1/4" A 12.019 TY 23.1.506-91	2	Plug	

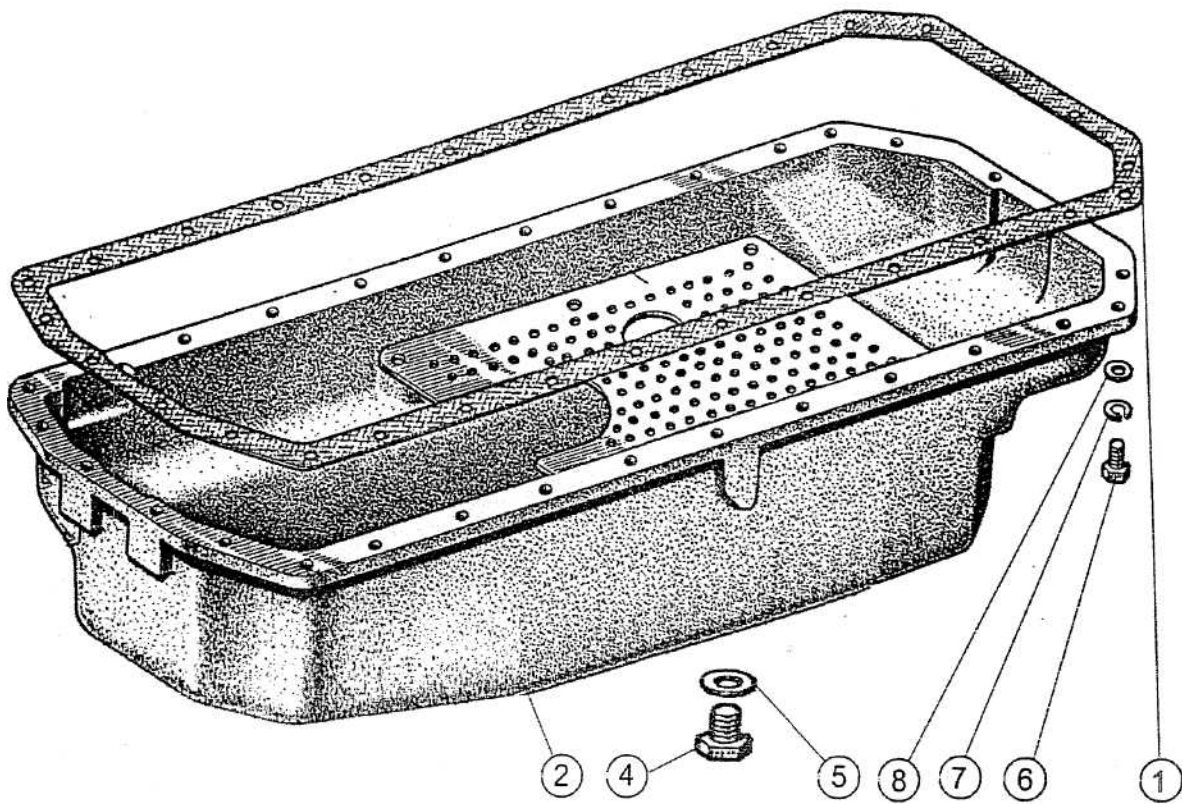


Fig. 24 Engine oil sump

Group 14. Lubrication system.
Subgroup 1009. Engine oil sump.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
24	1	260-1009002	1	Gasket	
	2	260-1009010 -A	1	Engine oil sump	
	3	50 - 1404075	1	Plug	
	4	Д09- 035 - A	1	Plug gasket	
	5	M8-6gX 20.88.35.016	30	Bolt	
	6	8T 65Г.06	30	Washer	
	7	8.01.08кп.016	30	Washer	

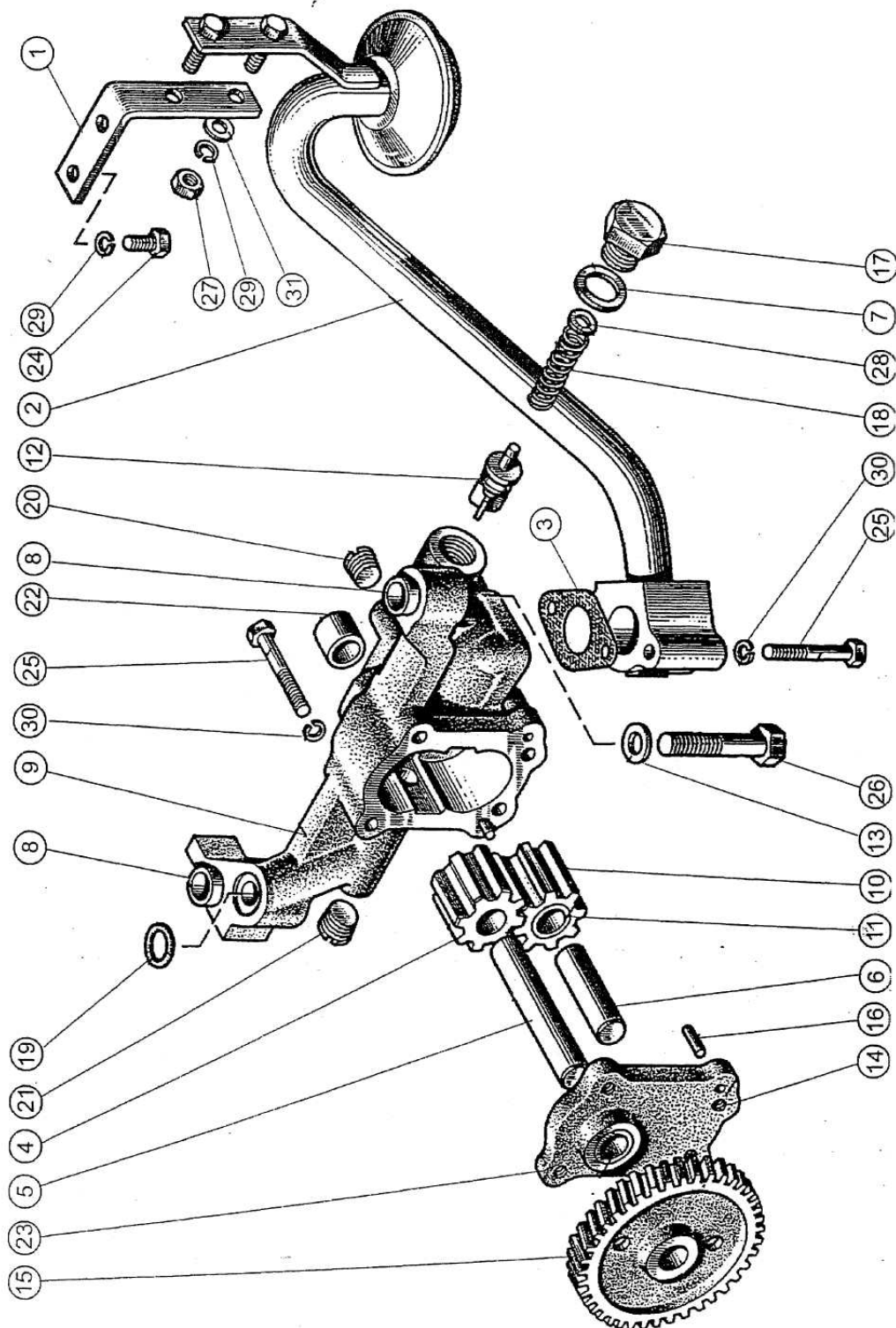


Fig. Oil pump and oil pump receiver.

Group 14. Lubrication system.

Subgroups 1010, 1011. Oil pump and oil pump receiver.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
25		260-1011010	1	Pump with oil receiver (consists of parts 260 -1011020; 260 - 1010010; 3; 25; 30;)	
		260-1011020	1	Oil pump (consists of parts 260-1011030; 260-1011040; 260 - 1011050; 6-8; 12; 16 -18; 20; 21; 25; 28; 30;)	
		260-1011030	1	Pump housing (consists of parts 9; 22; 23)	
		260-1011040	1	Driven gear (consists of parts 10; 11)	
		260-1011050	1	Shaft (consists of parts 240 - 1403150; 4; 5; 15)	
		240-1403150	1	Oil pump cover (consists of parts 14; 23)	
	1	260 -1010002	1	Bracket	
	2	260-1010010	1	Oil receiver	
	3	260-1011012	1	Gasket	
	4	260-1011021	1	Driving gear	
	5	260-1011022	1	Shaft	
	6	260-1011023	1	Pin	
	7	260-1011024	1	Washer	
	8	260-1011027	2	Pin	
	9	260-1011032	1	Pump housing	
	10	260-1011042	1	Driven gear	
	11	260-1011044	1	Bushing	
	12	260-1017017	1	Valve	
	13	245 - 3701069	2	Washer	
	14	240-1403155	1	Oil pump cover	
	15	240 -1403228	1	Gear of oil pump drive	
	16	50 -1403233	2	Adjusting pin	
	17	50 -1404075	1	Reduction valve plug	
	18	50 -1404081 - A1	1	Valve spring of centrifugal filter	
	19	020- 025-30-2-5	1	Ring	
	20	2-КП/4»10КП.016 or КГ1/4»10КП.016	1	Plug	
	21	2-КГ3/8»10КП.016 or КГ3/8»10КП.016	1	Plug	
	22	A57.03.026 A	1	Housing bushing	
	23	A57.03.027 Φ or 50-403012Б	1	Cover bushing	
	24	M8-6gx 16.88.35.016	2	Bolt	
	25	M8-6gx 55. 88.35.016	6	Bolt	

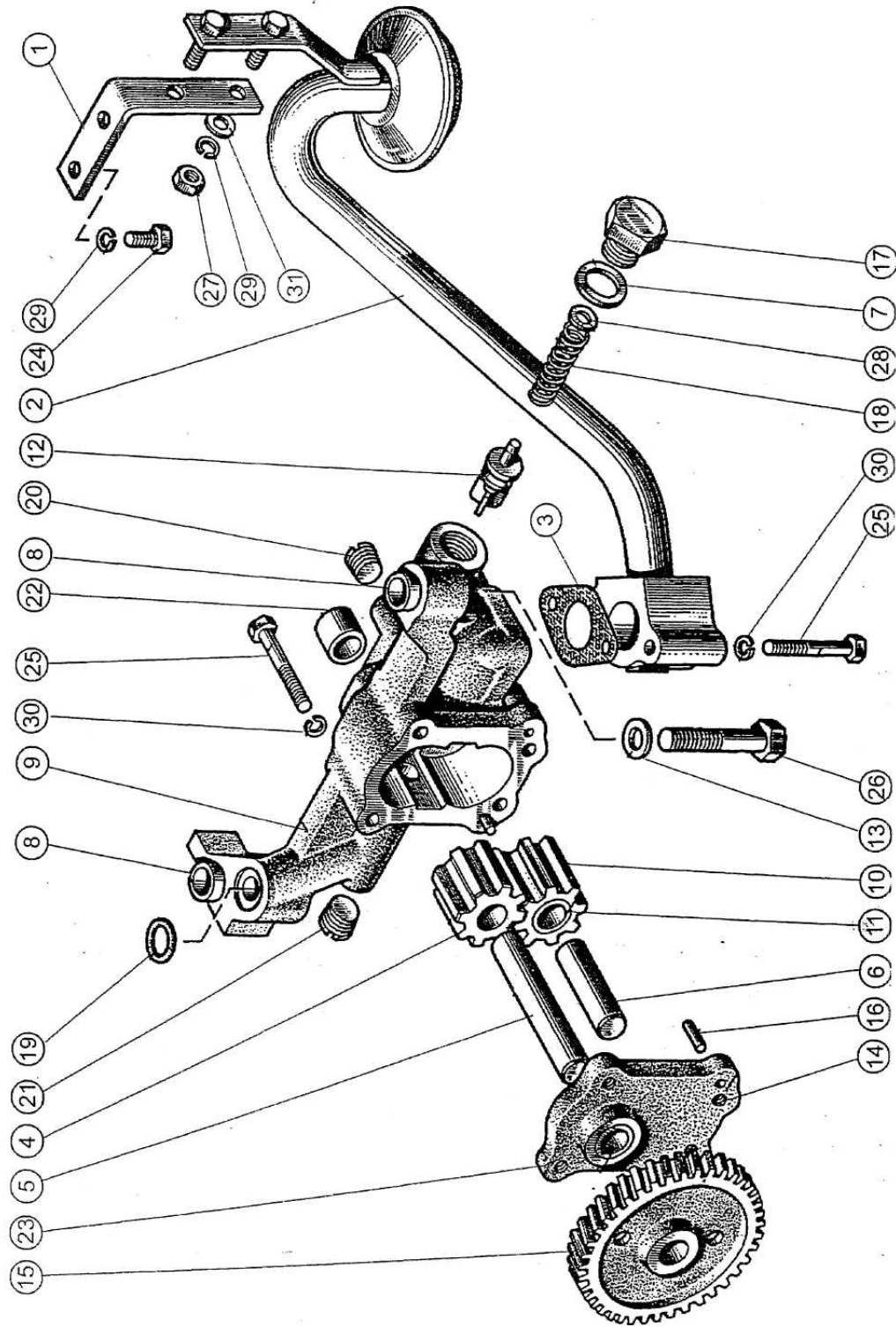


Fig. 25 Oil pump and oil pump receiver.

Group 14. Lubrication system.

Subgroups 1010, 1011. Oil pump and oil pump receiver.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
25	26	M12-6gx 60. 88.35.016	2	Bolt	
	27	M8 - 6H.6.016	2	Nut	
	28	5.01.08кп.019	3 max	Washer	
	29	8.65Г.06	4	Washer	
	30	8T.65Г.06	6	Washer	
	31	8.01.08кп.016	2	Washer	

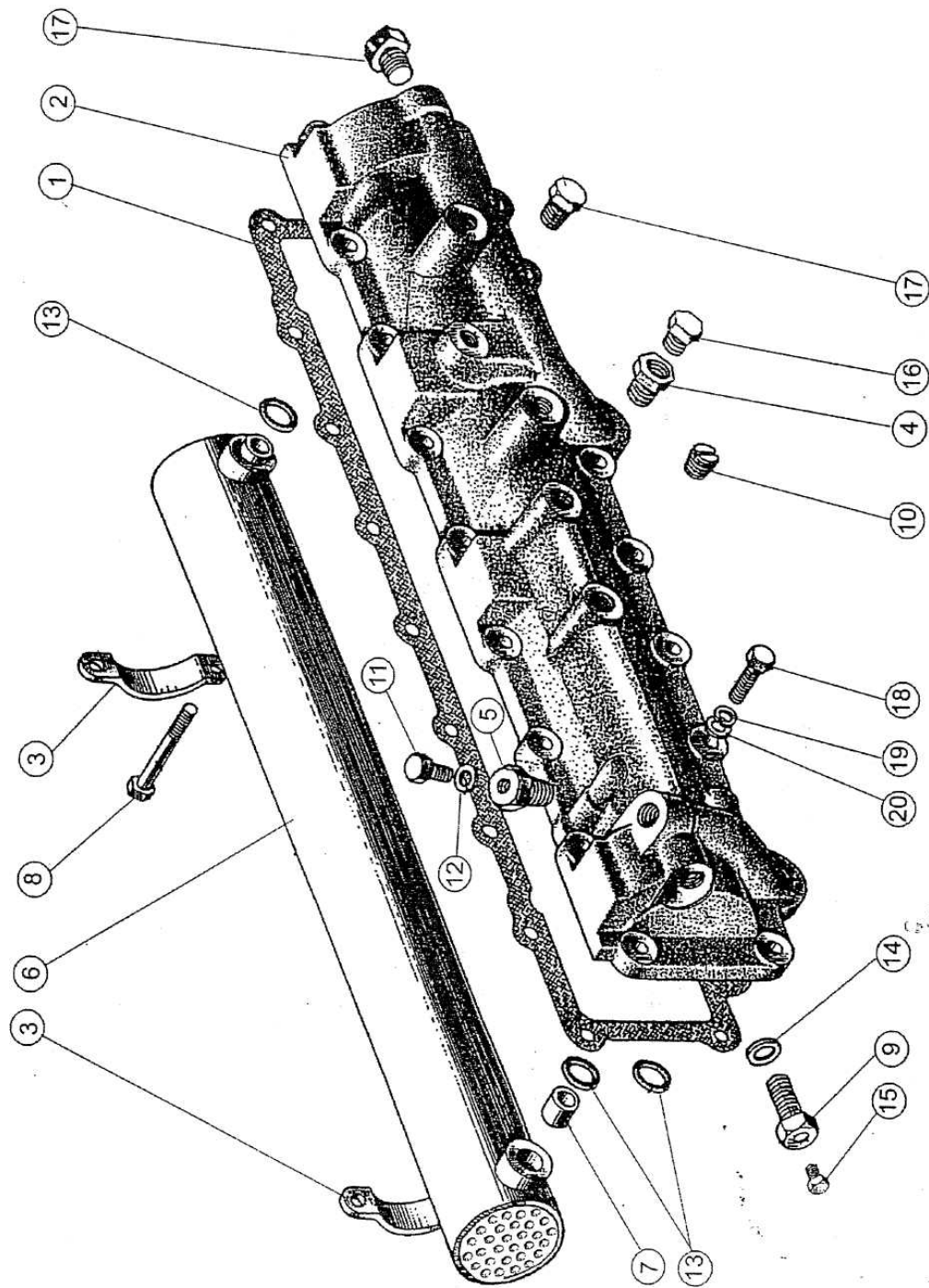


Fig. 26 Heat exchanger installation.

Group 14. Lubrication system.

Subgroup 1013. Heat exchanger installation.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
26		260-1013010	1	Heat exchanger (consists of parts 2-6; 8-17)	
	1	260-1013002	1	Gasket	
	2	260-1013011	1	Heat exchanger cover	
	3	260-1013012-B	2	Clip	
	4	260-1013017	1	Plug	
	5	260-1013019	1	Plug	
	6	260-1013020-A	1	Oil radiator	
	7	260 -1013024	2	Pin	
	8	260 -1013028	4	Bolt	
	9	260 -1013036	1	Union	
	10	260-1013111	1	Plug	
	11	240 -1003281	1	Plug	
	12	36-1104788-01	1	Gasket	
	13	020 - 025- 30-2-5	4	Ring	
	14	Д-18-055-A-01	1	Seal ring	
	15	КГ1/8»10кп.06	1	Plug	
	16	КГ1/4»10кп.016	1	Plug	
	17	КГ3/8»10кп.016	2	Plug	
	18	M8-6gX 25.88.35.016	19	Bolt	
	19	8.65Г.019	19	Washer	
	20	8.01.08кп.019	19	Washer	

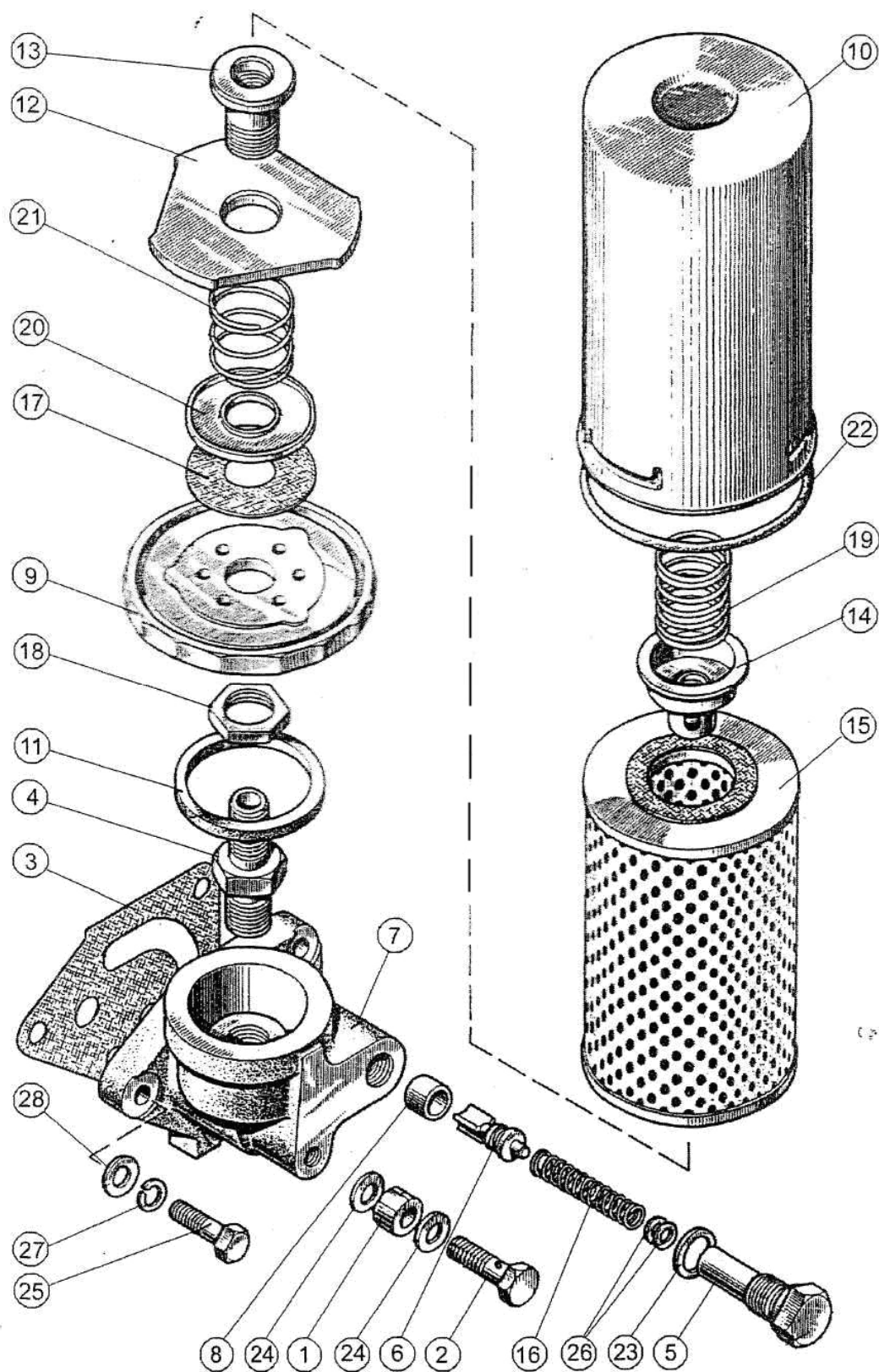


Fig. 27 Oil filter installation

Group 14. Lubrication system.
Subgroups 1017. Oil filter installation.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
27		260-1017030	1	Filter (consists of parts 9-15; 17 -22)	
		260-1017010	1	Oil filter (consists of parts 1; 2; 4-23)	
		260-1017020	1	Filter housing (consists of parts 7; 8)	
		260-1017040	1	Clamp (consists of parts 12;	
	1	260-1013013	1	Bushing	
	2	260-1013018	1	Union bolt	
	3	260-1017001	1	Gasket	
	4	260-1017012	1	Union	
	5	260-1017014	1	Plug	
	6	260-1017017	1	Valve	
	7	260-1017022	1	Filter housing	
	8	260-1017024	1	Insert	
	9	260-1017032	1	Bottom	
	10	260-1017033	1	Cap	
	11	260-1017036	1	Gasket	
	12	260-1017042	1	Clamp	
	13	260-1017044	1	Union	
	14	260-1017050	1	Bypass valve	
	15	260-1017060 or M5 326	1	Filtering element	
	16	50-1404083-A1	1	Drain valve spring	
	17	2105-1012009-MM3	1	Anti draining valve	
	18	2105-1012011 -MM3	1	Nut	
	19	2105-1012012-MM3	1	Spring	
	20	2105-1012051 -MM3	1	Washer	
	21	2105-1012052-MM3	1	Spring	
	22	100-4 - 4 - 1 Б	1	Ring	
	23	Д09 - 035 - А	1	Gasket	
	24	Д18-055 - А-01	2	Seal ring	
	25	M10-6дX 35.88.35.016	3	Bolt	
	26	5.01.08кп.016	+	Washer (not more 2 pieces per valve)	
	27	10.65Г.016	3	Washer	
	28	10.01.08кп.016	3	Washer	

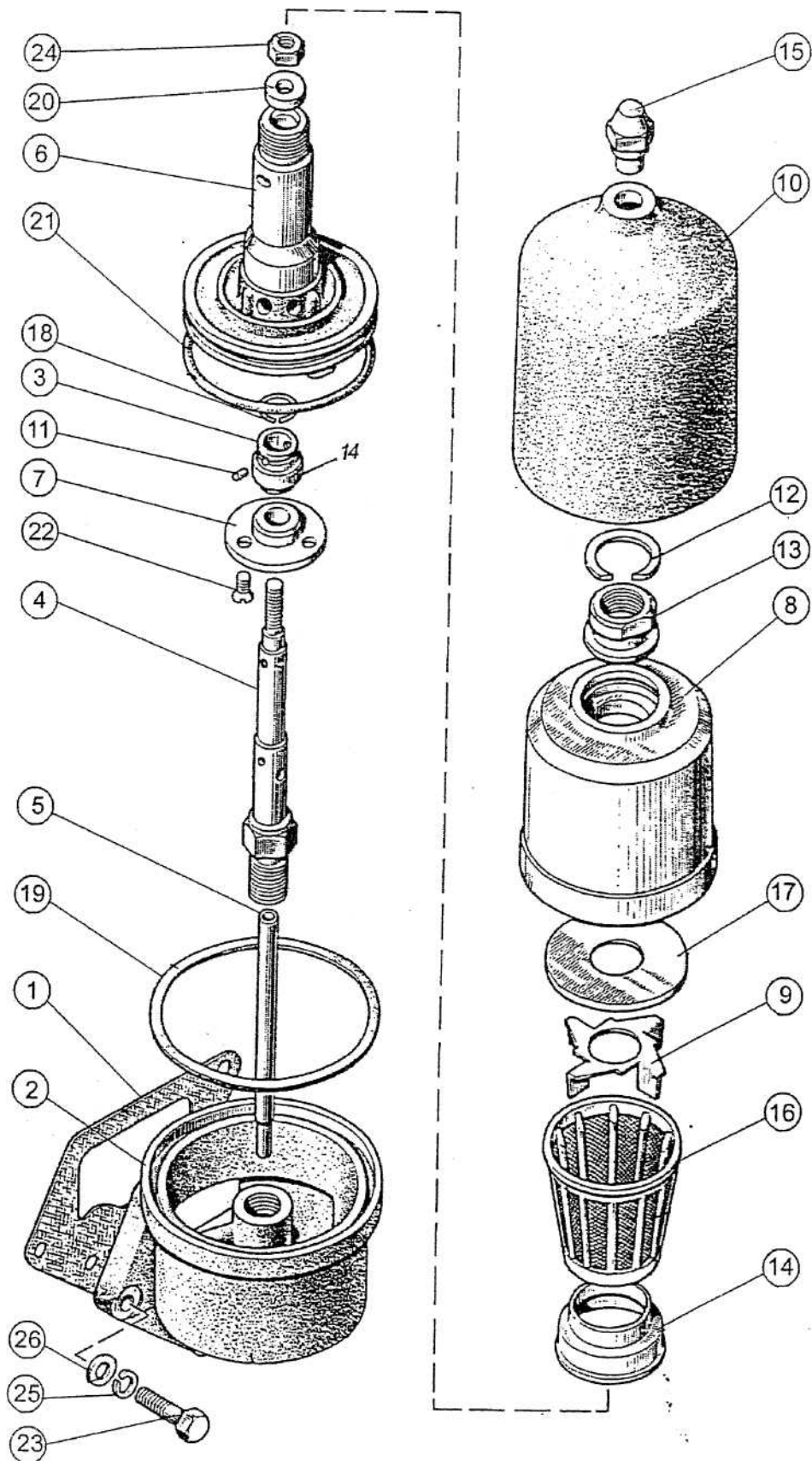


Fig. 28 Centrifugal oil filter

Group 14. Lubrication system.

Subgroup 1028. Centrifugal oil filter.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
28		260-1028010	1	Centrifugal oil filter (consists of parts 260 - 1028020; 2; 12; 16; 20)	
		260-1028020		Rotor with spindle (consists of parts 260 -1028030; 240 - 1404030 - A; 240-1404110; 6; 9; 14; 17; 20-22; 24)	
		260-1028030	1	Rotor spindle (consists of parts 3 - 5; 7;11; 18;)	
		240 -1404030 - A	1	Rotor Sleeve (consists of parts 8; 12;13)	
	1	260-1028001	1	Gasket	
	2	260-1028032-B	1	Centrifugal filter housing	
	3	260 -1028040	1	Bottom	
	4	240-1404012-B	1	Rotor spindle	
	5	240-1404013-Б-01	1	Pipe	
	6	240-1404017 -Б -01	1	Rotor housing	
	7	240 -1404019 - Б	1	Cover of rotor housing	
	8	240 -1404023	1	Rotor Sleeve	
	9	240 -1404024	1	Rotor impeller	
	10	240 -1404027	1	Centrifugal filter cap	
	11	240 -1404028	1	Pin	
	12	240 -1404033	1	Thrust ring	
	13	240 -1404035 - A	1	Special nut	
	14	240 -1404049	1	Inner cup	
	15	240 -1404088	1	Cap nut	
	16	240-1404110	1	Filtering strainer	
	17	240-1404113	1	Cover	
	18	240-1404118	1	Ring	
	19	50-1404059-Б1	1	Cap gasket	
	20	Д37А-1407607 -B	1	Thrust washer	
	21	115-120-30-2-1	1	Ring	
	22	BM6-6gX14.58	3	Screw	
	23	M10-6gX	3	Bolt	
	24	M12X1,25-6H.6	1	Nut	
	25	10.65Г.016	3	Washer	
	26	10.01.08КП.016	3	Washer	

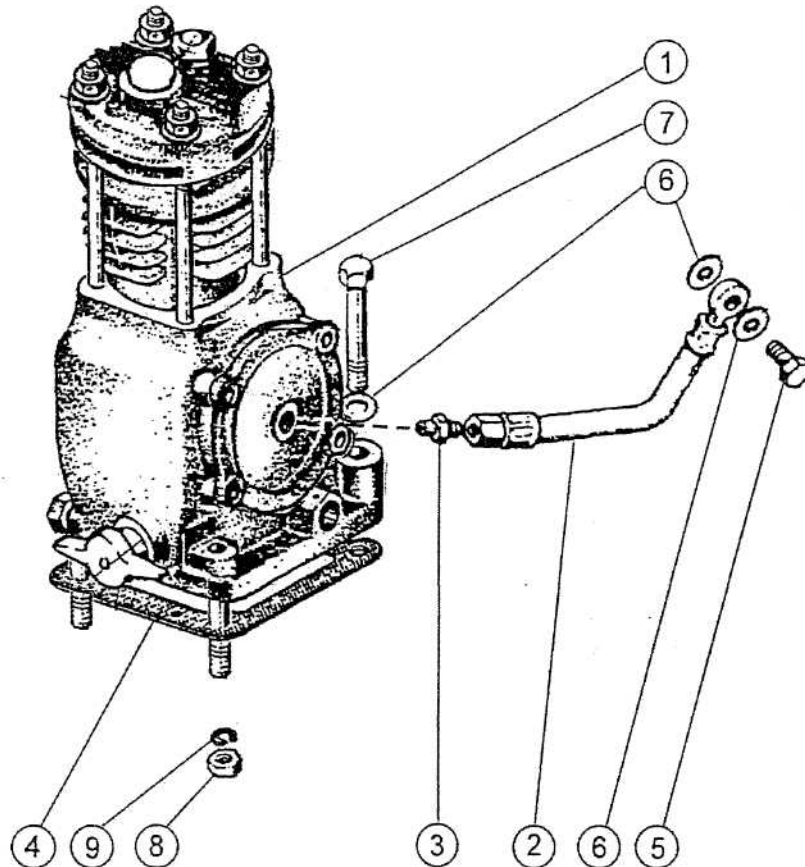


Fig. 29 Pneumatic compressor installation

Group 14. Lubrication system.

Subgroup 3509. Pneumatic compressor installation.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
29	1	A29.05.000 - B3A	1	Compressor	
	2	240-3509150-02	1	Oil pipeline	
	3	260 - 3509232	1	Union	
	4	240-3509037-A	1	Gasket	
	5	36-1104787-01	1	Union bolt	
	6	36-1104788-01	4	Gasket	
	7	M10-6gX 45.88.35.019	1	Bolt	
	8	M10-6H.6.019	3	Nut	
	9	10.65Г.06	3	Washer	

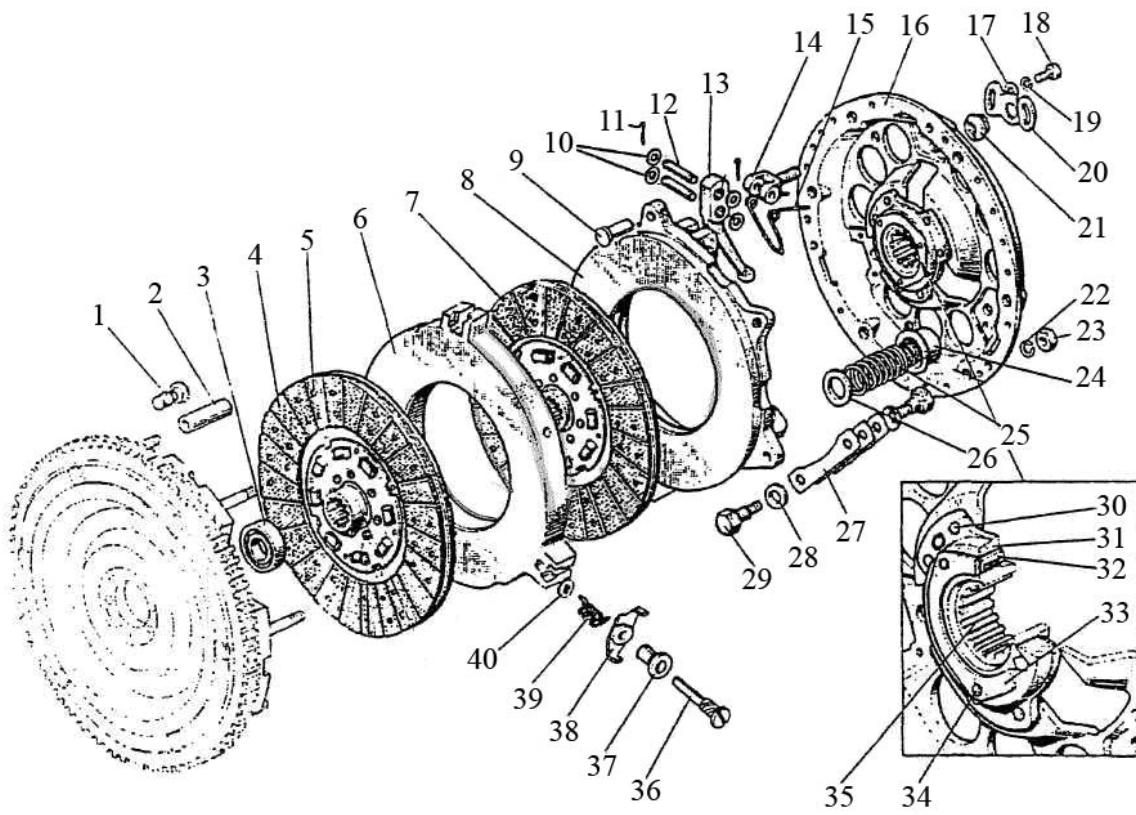


Fig. 30 Clutch

Group 16. Clutch.

Subgroup 1601. Clutch.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
30		1520-1601085	1	Middle disk (6, 36-40)	
		85-1601090-B	1	Coupling disk (8-35)	
		1522-1601120	1	Clutch back plate (16, 30-35)	
		1522-1601125	1	Clutch back plate (16, 30, 31)	
	1	142-1601316	3	Slide block	
	2	70-1601074	6	Bushing	
	3	180205K1C17	1	Bearing	
	4	70-1601138-01	4	Friction liner (part of assembly. pos. 7)	
	5	2-4x8-32	48	Rivet (part of assembly. pos. 7)	
	6	1520-1601092	1	Middle disk	
	7	85-1601130-01	2	Assembled driven disk (incl. pos. 4, 5)	
	8	85-1601093-B	1	Pressure disk	
	9	1520-1601123	3	Rest	
	10	85-1601108	12	Washer	
	11	3,2x18	12	Cotter pin	
	12	85-1601096	6	Pin	
	13	85-1601094	3	Release lever	
	14	85-1601097	3	Fork	
	15	85-1601083	3	Spring	
	16	85-1601122-B	1	Clutch back plate	
	17	III48	6	Washer	
	18	M8x16	6	Bolt	
	19	IIII8	6	Washer	
	20	85-1601086	3	Lock washer	
	21	85-1601109-A	3	Adjusting nut	
	22	IIII12	9	Washer	
	23	M12x1,25	9	Nut	
	24	85-1601072-B	9	Sleeve	
	25	85-1601115	9	Spring	
	26	85-1601118-B	9	Insulating washer	
	27	85-1601124	9	Plate	
	28	85-1601121	6	Washer	
	29	85-1601126	6	Bolt	
	30	8x22	9	Rivet	
	31	1522-1601051	1	Hub	
	32	70-1601091	12	Damper	
	33	1522-1601062	2	Washer	
	34	6x30	6	Rivet	
	35	70-1601053	1	Bushing	
	36	142-1601306	3	Release lever axle	
	37	142-1601088	3	Bushing	
	38	142-1601087-B	3	Release lever	
	39	142-1601314-B	3	Spring	
	40	142-1601089	3	Lock washer	

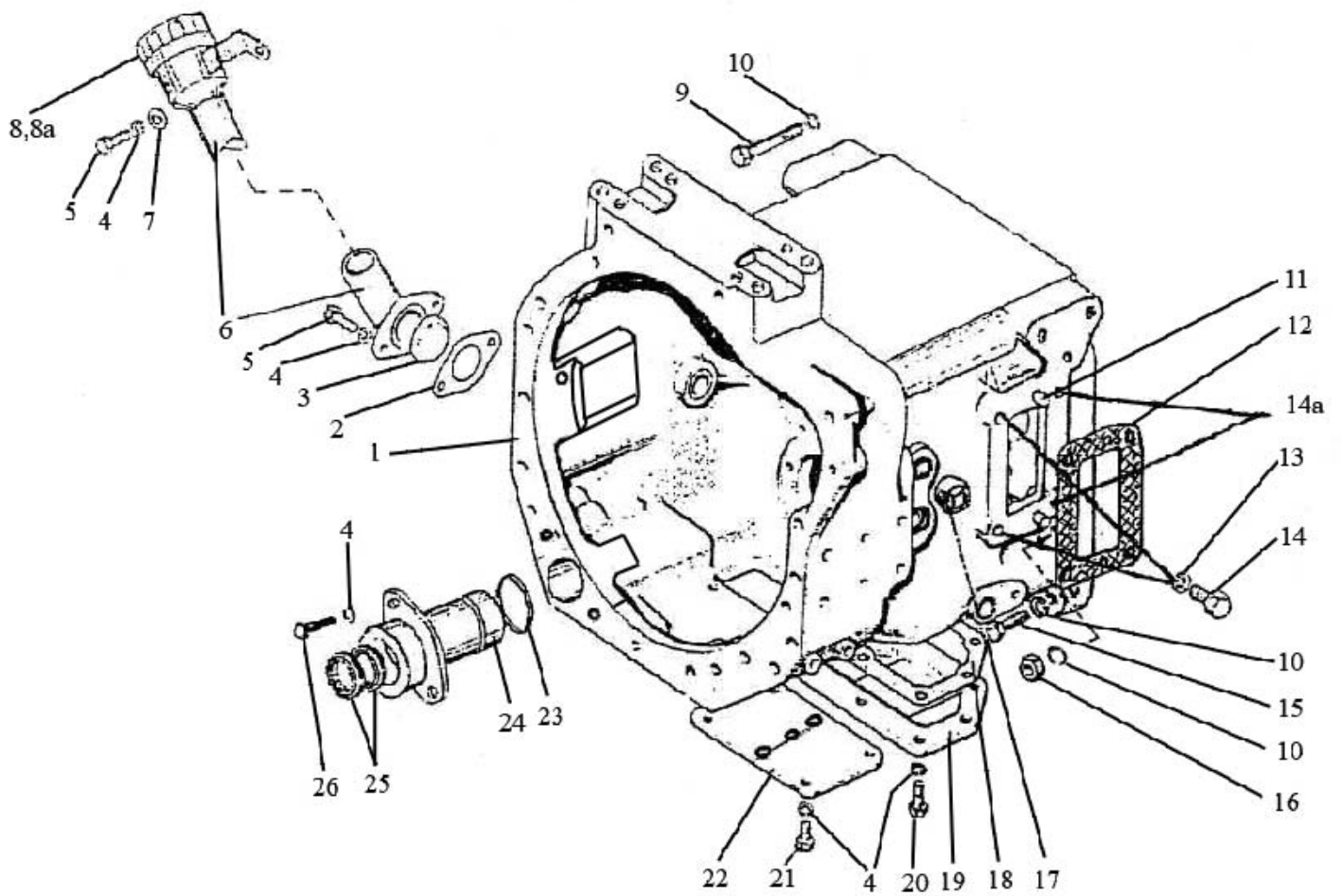


Fig. 31 Clutch housing (with GB 24x12)

Group 16
Subgroup 1601. Clutch housing.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
31		1522-1601300	1	Neck (6, 8, 8a)	
	1	1522-1601015-01	1	Housing	Assembled unit. Consists of housing 1522-1601025 and bushing 50-3503064
	2	240-1002082-A	1	Gasket	
	3	240-1002085	1	Strainer	Assembled unit. Consists of net barrel 240-1002083 and net 240-1002084
	4	ШП18	16	Washer	
	5	M8x20	3	Bolt	
	6	1522-1601310	1	Neck	
	7	ШЧ8	1	Washer	(Ø9xØ16x1,6) mm
	8	082-1103010	1	Plug	
	8a	36-1101070	1	Chain	
	9	70-4605036-03	1	Bolt	M20x95
	10	ШП20	6	Washer	
	11	ШЦК 10x25	2	Pin	
	12	80-1601343	1	Gasket	
	13	ШП12	4	Washer	
	14	M12x30	2	Bolt	
	14a	M12x150	2	Bolt	
	15	70-4605036	4	Bolt	M20x60
	16	M20	1	Nut	
	17	70-1701301	1	Plug	
	18	80-1601314	1	Gasket	
	19	80-1601313	1	Cover	
	20	M8x25	7	Bolt	
	21	M8x16	4	Bolt	
	22	50-1601341	1	Cover	
	23	048-052-25-2-4	1	Ring	
	24	86-1802020	1	Casing	
	25	2.2.38x58-1	2	Collar	
	26	M8x35	2	Bolt	

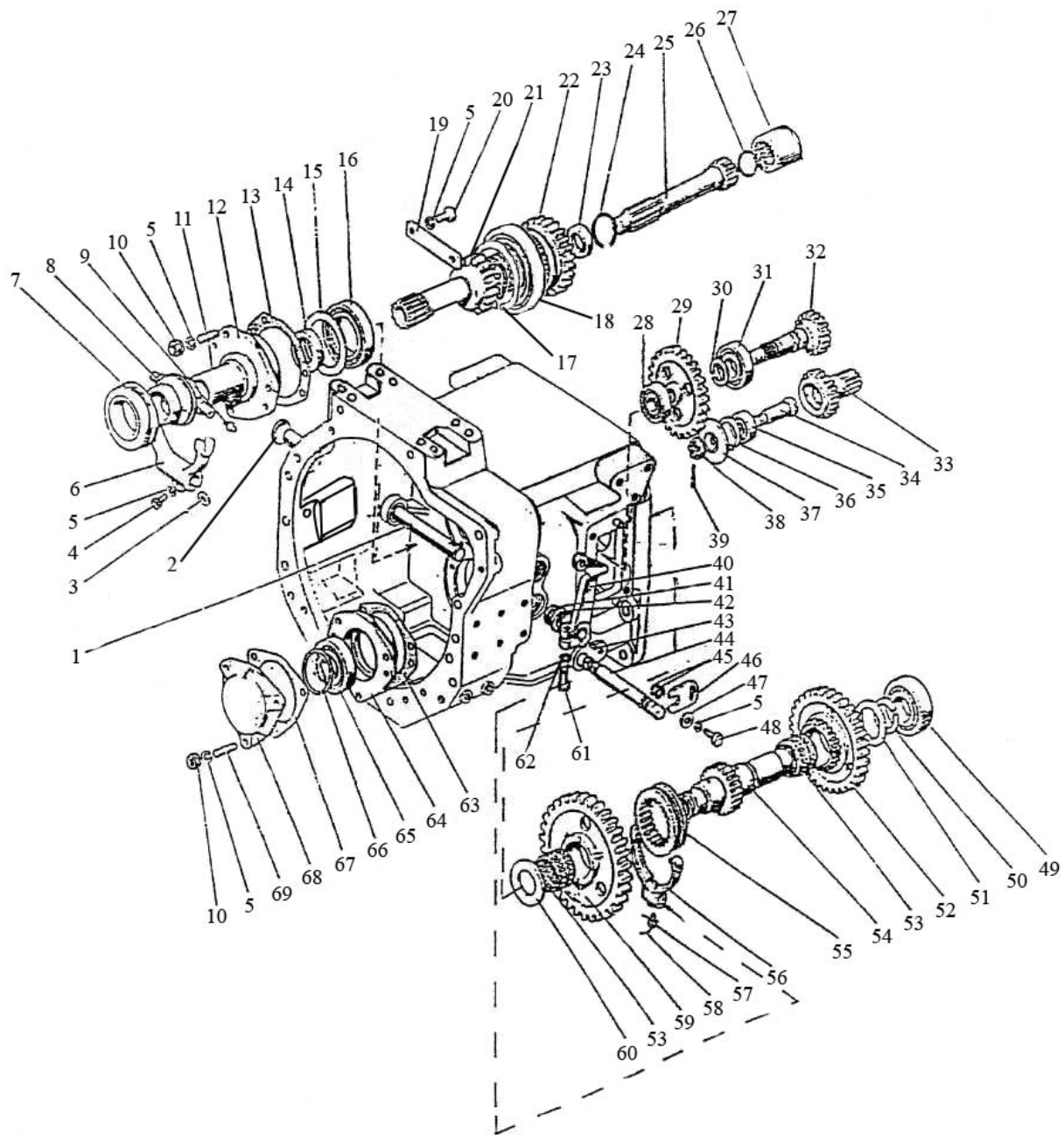


Fig. 32 Housing clutch (2022-1600010-A-01) (with GB 24x12)

Group 16
Subgroup 1601 Clutch housing

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
32		1522-1601040	1	Sleeve (64, 65)	
		1522-1601050	1	Shaft (1522-1601055, 16, 21, 23, 24)	
		1522-1601055	1	Gear (17, 18, 22)	
		80-1601070	1	Shaft-gear (30-32)	
		80-1601180	1	Gear (33-36)	
		50-1601180-A	1	Release (7-9)	
		1225-1601160	1	Shaft (49-52, 53 – 1 unit., 54)	
		2022-1601060	1	Bushing (26, 27)	
		80-1601030-01	1	Release bracket (12, 14)	
	1	85-1601215	1	Shaft	
	2	50-1601022	1	Blind plug	
	3	50-1601218	1	Key	
	4	M10x30	1	Bolt	
	5	IIII10	10	Washer	
	6	85-1601203	1	Fork	
	7	986714KC17	1	Bearing	
	8	50-1601185-A	1	Release	
	9	1.1.II9.xp	1	Oiler	
	10	M10	6	Nut	Height 8 mm
	11	M10x3p/6gx25	3	Stud	
	12	85-1601172	1	Bracket	
	13	80-1601173	1	Gasket	
	14	240-1002055	1	Collar	
	15	80-1601319	1	Washer	
	16	6-12115EMYIII1	1	Bearing	
	17	C105	1	Ring	
	18	76-1000921	1	Bearing	
	19	80-1601318	1	Strip	
	20	M10x25	2	Bolt	
	21	1522-1601026	1	Shaft	m=4,5 mm; z = 22
	22	1522-1601027	1	Gear	m=4,5 mm; z = 26
	23	2.2-38x58	1	Collar	
	24	2C75	1	Ring	
	25	1222-1601113	1	Shaft	Tail shaft splines: inv. 35x2,75x12 (12 splines); tail splines: 50x2,5x11c (18 splines); L=344 mm
	26	C45	1	Ring	
	27	2022-1601061	1	Bushing	
	28	305A	1	Bearing	
	29	80-1601357-B	1	Gear	m=4,5 mm; z = 32
	30	C35	1	Ring	

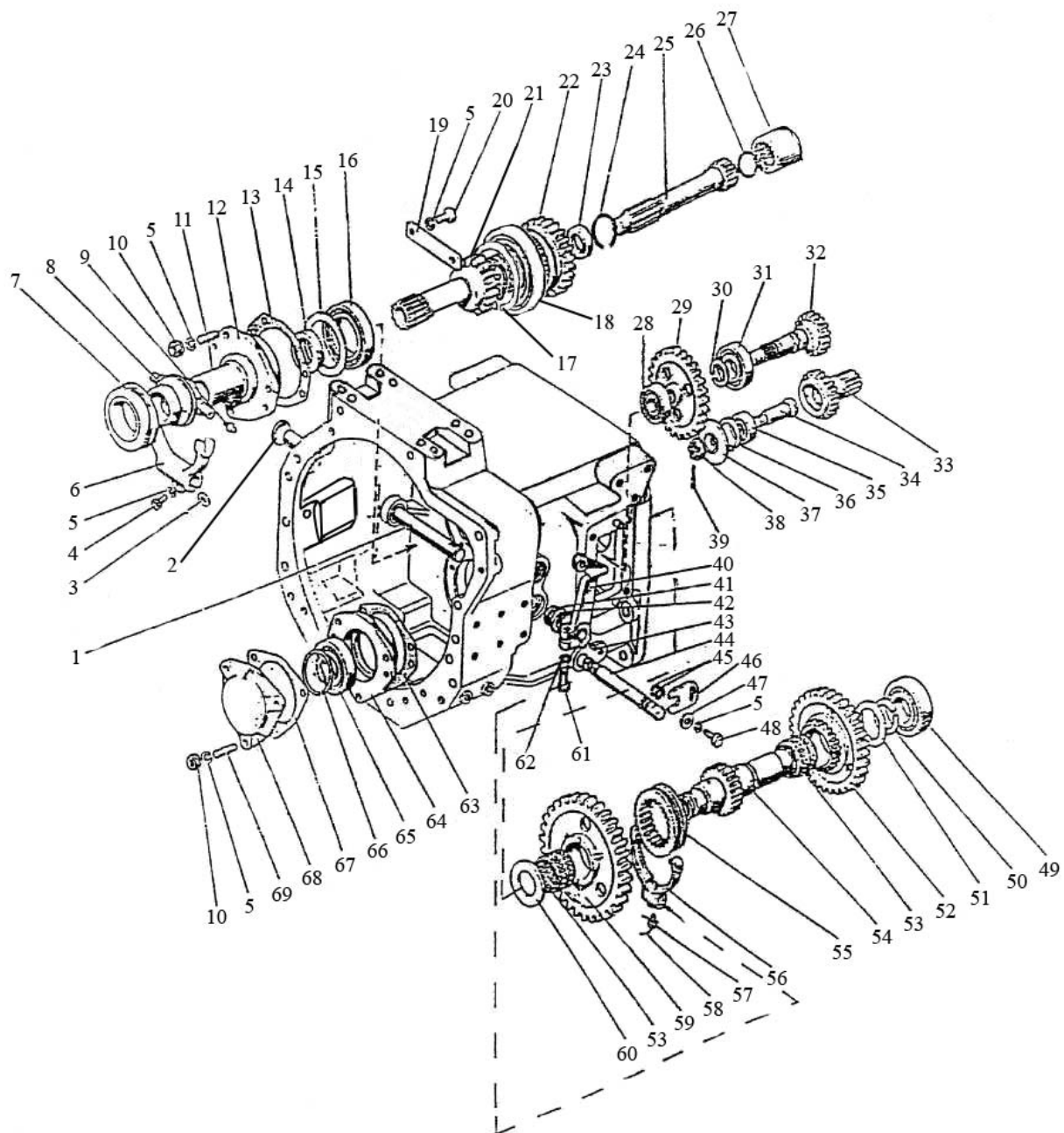


Fig. 32 Clutch housing (2022-1600010-A-01) (with GB 24x12)

Group 16.
Subgroup 1601. Clutch housing

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
32	31	207	1	Bearing	Teeth: m=2,5 mm; z=27; splines: 30x2x11c; (z=13) Teeth: m=2,5 mm; z=27; splines: 35x2,5x11c; (z=12)
	32	80-1601071-B	1	Shaft-gear	
	33	80-1601182	1	Gear	
	34	80-1601181	1	Pivot	
	35	204A	1	Bearing	(Ø11xØ30x2,5) mm
	36	C47	1	Ring	
	37	80-1601356	1	Thrust washer	
	38	70-3003032	1	Nut	
	39	3,2x25	1	Cotter pin	
	40	1522-1601219	1	Lever	
	41	80-4608024	1	Ring	
	42	36-1601016	1	Housing	
	43	CIII-611	1	Key 6x11	
	44	85-1601111	1	Shaft	
	45	020-025-30-1-4	2	Ring	
	46	85-1601099	1	Plate	
	47	IIIЧ10	1	Washer	
	48	M10x20	1	Bolt	
	49	210AYIII1	1	Bearing	
	50	2C55	1	Ring	
	51	2125-1601082	1	Washer	
	52	2125-1601086	1	Gear	
	53	SKF K55x63x32	2	Bearing	
	54	1225-1601021	1	Shaft	
	55	112-1701343	1	Coupling	
	56	80-1601190	1	Fork	
	57	50-4604046	1	Fork bolt	
	58	1,0-O-C	1	Wire	
	59	2125-1601088	1	Gear	
	60	2022-1601081	1	Washer	
	61	M12x35	1	Bolt	
	62	IIII12	1	Washer	
	63	80-1601091	1	Gasket	
	64	1522-1601041	1	Sleeve	
	65	102210KM	1	Bearing	
	66	2C50	1	Ring	
	67	80-1601092	1	Gasket	
	68	1522-1601089	1	Cover	
	69	M10x3p/6gx35	3	Stud	

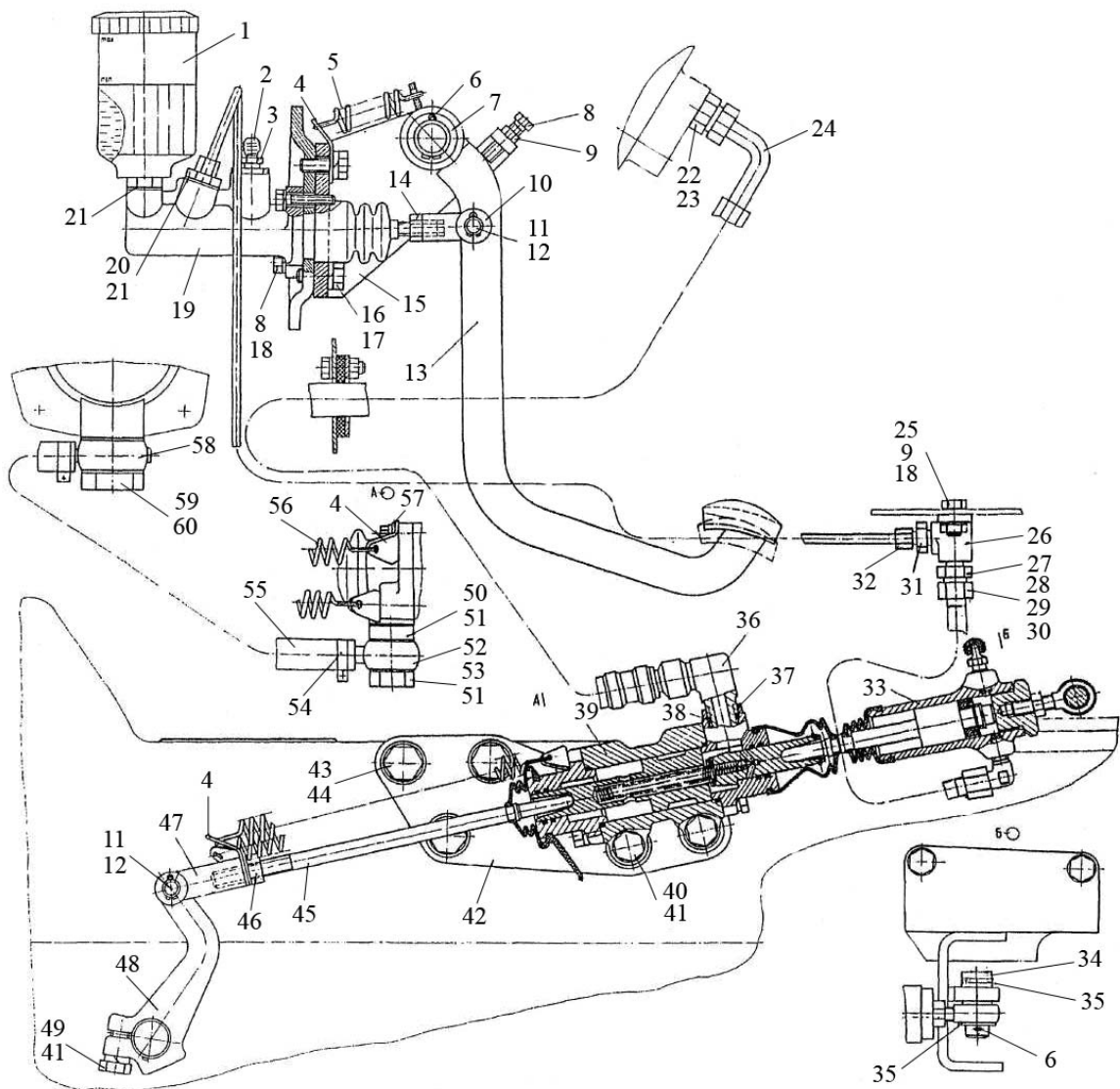


Fig. 33 Clutch control (1523/1523.3/1222/1222.3)

Group 16. Clutch

Subgroup 1602. Clutch control (1523/1523.3/1222/1222.3)

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
		1522-1602010	1	Clutch control on forward speed	
	1	822-1602120	1	Tank (see Fig.41)	
	4	80-1602116	5	Rod eye	
	5	70-4616033 cng	1	Spring	
	6	4x36	2	Cotter pin	
	7	50-3406037	1	Washer	
	8	M8x35	3	Bolt	
	9	M8	3	Nut	
	10	822-3502203	1	Fork	
	11	3,2x18	2	Cotter pin	
	12	12x32	2	Pin	
	13	1522-1602090	1	Pedal	
	14	M10	1	Nut	
	15	1522-1602030	1	Bracket	
	16	M10x25	4	Bolt	
	17	10 OT	4	Washer	
	18	8T	4	Washer	
	19	2022-1602810	1	Main cylinder (see Fig. 36)	
	20	822-3503083	1	Union	
	21	Д18-055-A	2	Seal ring	
	22	1522-3407016	1	Union	
	23	025-029-25-2-2	1	Ring	
	24	1522B-3407100-03	1	High pressure Sleeve	
	25	M8x25	2	Bolt	
	26	80B-1602106-B	1	Elbow	
	27	822-3503155	1	Union	
	28	2022-1602200	1	Flexible clutch Sleeve, type II	
	29	923-3503221	2	Nipple	
	30	Д80-4607212	2	Nut	
	31	822-3503701	1	Union	
	32	2522-1602595	1	Pipeline	
	33	1523-1602550	1	Operating cylinder (see Fig.39)	
	34	16x40	1	Pin	
	35	C 16	3	Washer	
	36	40-3405061-A	1	Union	
	37	40-3405062	1	Nut	
	38	017-022-30-1-4	1	Ring	
	39	80-1602510-01	1	Hydraulic booster (see Fig.38)	
	40	M12x90	2	Bolt	
	41	12 OT	3	Washer	
	42	1522-1602067	1	Bracket	
	43	M16x50	3	Bolt	

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Group 16. Clutch

Subgroup 1602. Clutch control (1523/1523.3/1222/1222.3)

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
33	44	16 OT	3	Washer	
	45	1221B-1602112	1	Rod	
	46	M12x1,25	1	Nut	
	47	50-3502203	1	Fork	
	48	1522-1601219	1	Lever	
	49	M12x35	1	Bolt	
	50	1522-1602034	1	Bushing	
	51	40-4607038-A	3	Washer	
	52	C80-4607380	1	Pipe	
	53	40-4607051	1	Bolt	
	54	XC-21	2	Clamp	
	55	1522-1602711	1	Sleeve	
	56	50-1605152	2	Spring	
	57	C8	2	Washer	
	58	1221-3407130	1	Oil pipeline	
	59	1221-3407140-01	1	Valve	
	60	40- 4607033-A	2	Washer	

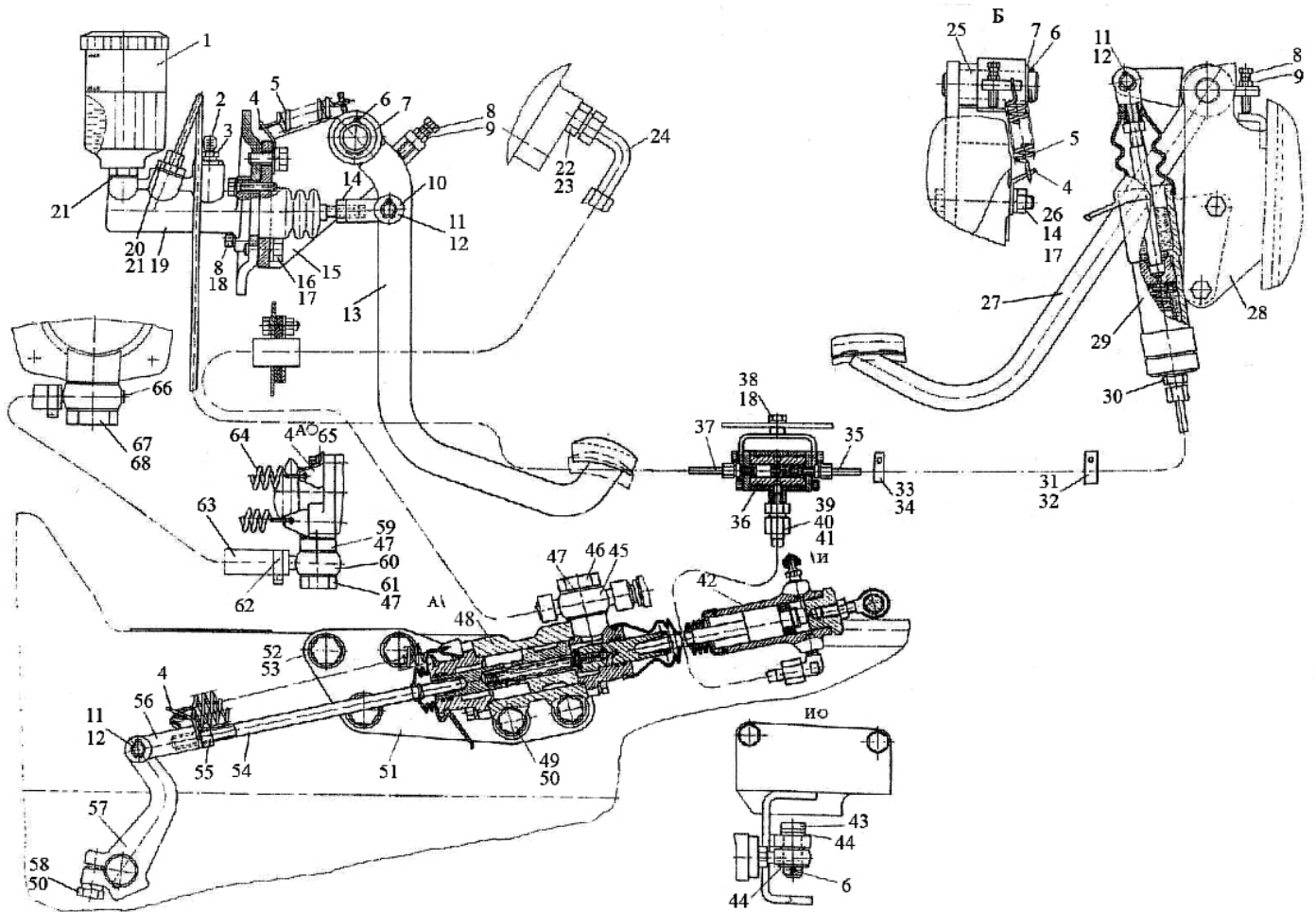


Fig. 34 Clutch control (1523B/1523.3B/1222B/1222.3B)

Group 16. Clutch

Subgroup 1602. Clutch control (1523B/1523.3B/1222B/1222.3B)

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
34		1522B-1602010	1	Clutch control on forward speed and reverse	
	1	822-1602120	1	Tank (see Fig. 41)	
	4	80-1602116	6	Rod eye	
	5	70-4616033 3AM	2	Spring	
	6	4x36	3	Cotter pin	
	7	50-3406037	2	Washer	
	8	M8x35	4	Bolt	
	9	M8	2	Nut	
	10	822-3502203	1	Fork	
	11	3,2x18	3	Cotter pin	
	12	12x32	3	Pin	
	13	1522-1602090	1	Pedal	
	14	M10	3	Nut	
	15	1522-1602030	1	Bracket	
	16	M10x25	4	Bolt	
	17	10 OT	6	Washer	
	18	8T	4	Washer	
	19	2022-1602810	1	Main cylinder(see Fig. 36)	
	20	822-3503083	1	Union	
	21	Д18-055-A	2	Seal ring	
	22	1522-3407016	1	Union	
	23	025-029-25-2-2	1	Ring	
	24	1522B-3407100-03	1	High pressure Sleeve	
	25	70-1723032	1	Bushing	
	26	M10x75	2	Bolt	
	27	1522B-1602040	1	Pedal	
	28	2522B-3401030	1	Bracket	
	29	1221B-1602610	1	Main cylinder (see. Fig. 37)	
	30	822-3503701	1	Union	
	31	50-3723021	1	Clip	
	32	305 TB-40T	20*	Pipe	* mm
	33	70-4802045	1	Cramp iron	
	34	ПП-32	1	Seal	
	35	1522B-1602180	1	Oil pipeline	
	36	2822-1602100-03	1	Cock (see Fig. 40)	
	37	2522-1602595	1	Pipeline	
	38	M8x25	2	Bolt	
	39	2022-1602200	1	Flexible clutch Sleeve type II	
	40	923-3503221	2	Nipple	
	41	Д80-4607212	2	Nut	
	42	1523-1602550	1	Operating cylinder (see Fig. 39)	
	43	16x40	1	Pin	

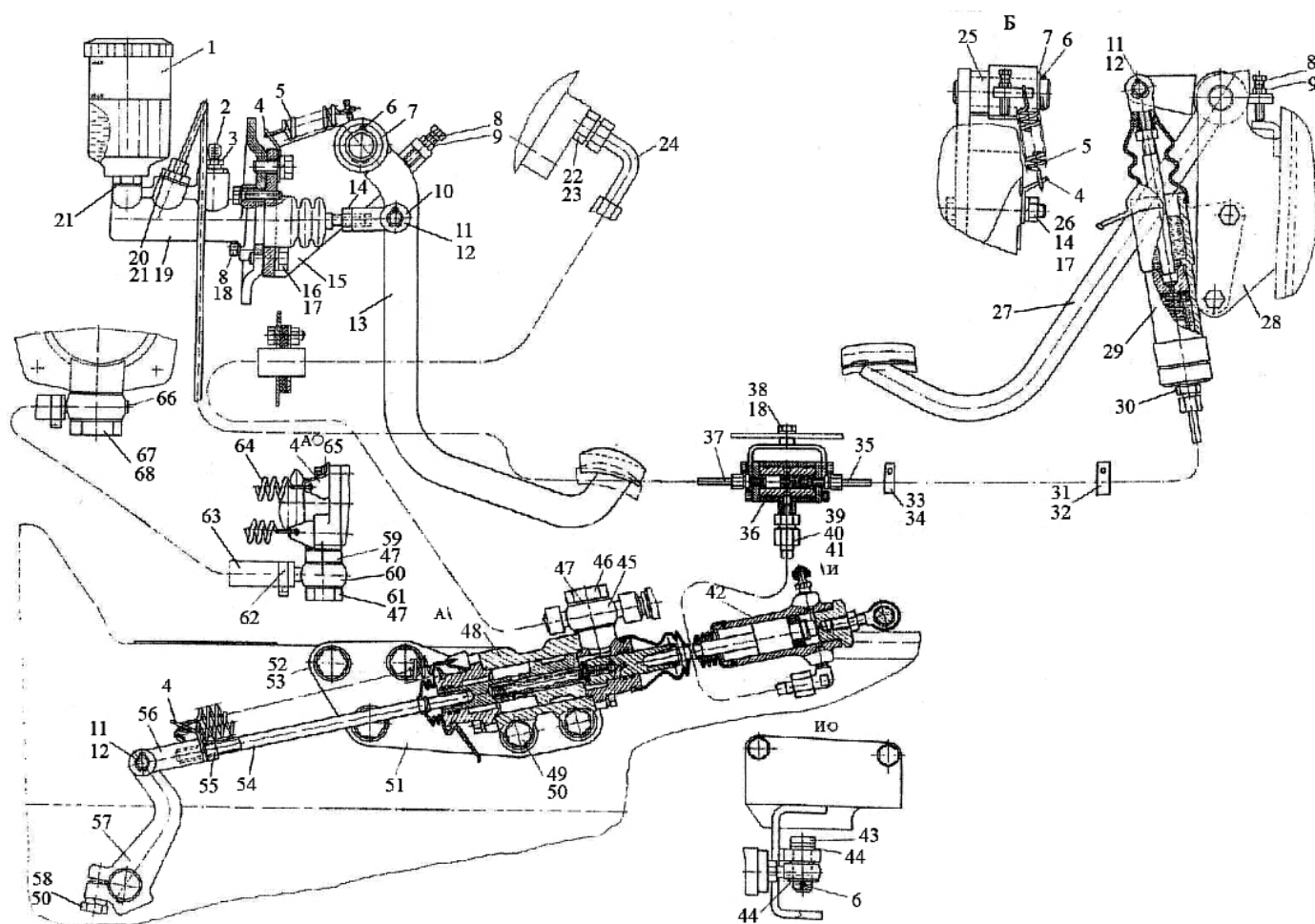


Fig. 34 Clutch control (1523B/1523.3B/1222B/1222.3B)

Group 16. Clutch

Subgroup 1602. Clutch control (1523B/1523.3B/1222B/1222.3B)

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
34	44	C 16	3	Washer	
	45	1522-4607078	1	Elbow	
	46	40-4607032	1	Clamping bolt	
	47	40-4607038-A	5	Washer	
	48	80-1602510-01	1	Hydraulic booster (see Fig. 38)	
	49	M12x90	2	Bolt	
	50	12 OT	3	Washer	
	51	1522-1602067	1	Bracket	
	52	M16x50	3	Bolt	
	53	16 OT	3	Washer	
	54	1221B-1602112	1	Rod	
	55	M1 2x1,25	1	Nut	
	56	50-3502203	1	Fork	
	57	1522-1601219	1	Lever	
	58	M12x35	1	Bolt	
	59	1522-1602034	1	Bushing	
	60	C80-4607380	1	Pipe	
	61	40-4607051	1	Bolt	
	62	XC-21	2	Clamp	
	63	1522-1602711	1	Sleeve	
	64	50-1605152	2	Spring	
	65	C8	2	Washer	
	66	1221-3407130	1	Oil pipeline	
	67	1221-3407140-01	1	Valve	
	68	40-4607033-A	2	Washer	

Fig. 35 Main cylinder

Group 16. Clutch

Subgroup 1602. Main cylinder 2022-1602810

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
35		2022-1602810		Main cylinder	
	1	M8x25	2	Bolt	
	2	M8x40	2	Bolt	
	3	8T	4	Washer	
	4	2022-1602812	1	Cover	
	5	007-011-25-1-6	1	Ring	
	6	2022-16-02823	1	Valve	
	7	2022-1602838	1	Spring	
	8	024-028-25-2-4	1	Ring	
	9	M5	1	Nut	
	10	2022-1602824	2	Washer	
	11	2022-1602811	1	Housing	
	12	2022-1602822	1	Tappet	
	13	2022-1602841	1	Spring	
	14	2022-1602827	1	Sleeve nut	
	15	2022-1602826	1	Nut	
	16			Collar N 14-102 (14x28x10) Simrit 85 EPDMV MOO 282	Company "Freudenberg"
	17	2022-1602821	1	Piston	
	18	C16	1	Ring	
	19	C16	1	Washer	
	20	C30	1	Ring	
	21	142-1602569	1	Cover	
	22	2022-1602813	1	Tappet	

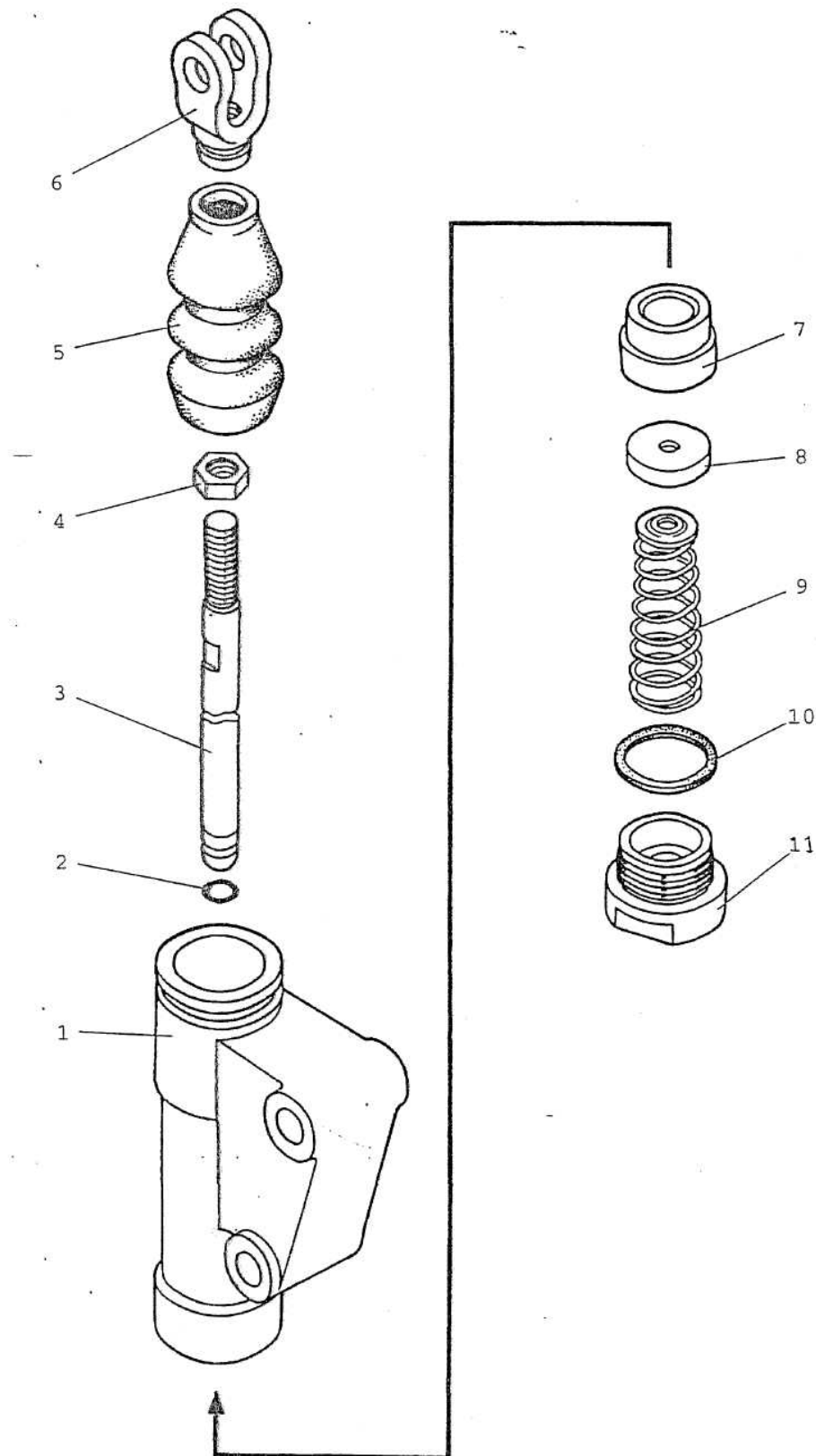


Fig. 36 Main cylinder on reverse

Group 16

Subgroup 1602. Main cylinder (on reverse)

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
36		1221B-1602610	1	Main cylinder (1-11)	
	1	142-1602611	1	Housing	
	2	007-011-25-1-6	1	Ring	
	3	1221B-1602616	1	Tappet	
	4	M10	1	Nut	
	5	142-1602543	1	Cover	
	6	1221B-1602617	1	Fork	
	7	142-1602612	1	Piston	
	8	142-1602117	1	Collar	
	9	142-1602620	1	Spring	
	10	142-1602614	1	Gasket	
	11	142-1602613	1	Plug	

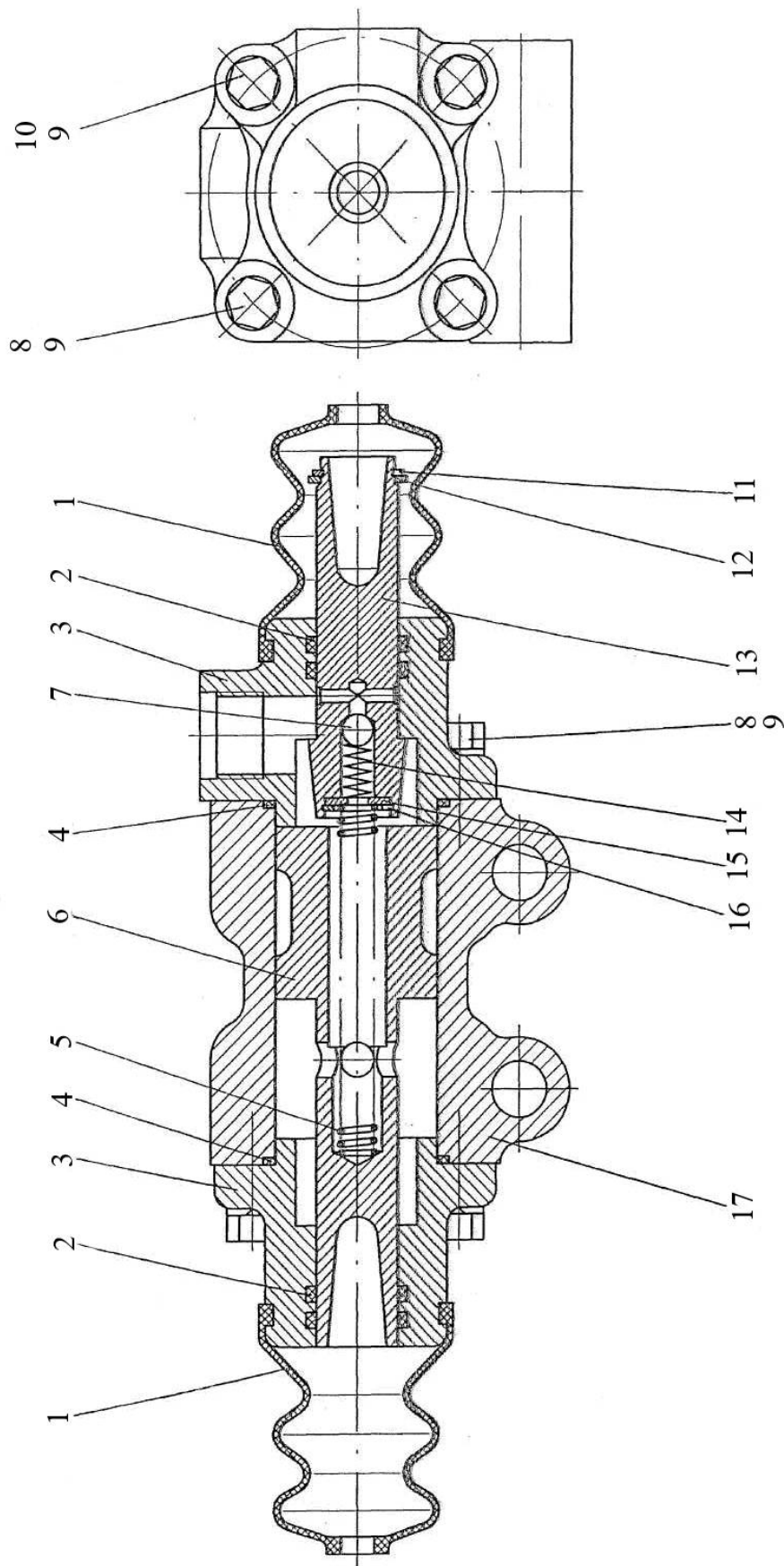


Fig. 37 Hydraulic booster

Group 16. Clutch

Subgroup 1602. Hydraulic booster

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
37		80-1602510-01	1	Hydraulic booster	
	1	142-1602543	2	Cover	
	2	020-025-30-1-4	4	Ring	
	3	80-1602512	2	Cover	
	4	040-044-25-1-2	2	Ring	
	5	80B-1602046	1	Spring	
	6	80-1602513	1	Piston	
	7	6,350-100	1	Ball	
	8	M8x25	4	Bolt	
	9	8T	8	Washer	
	10	M8x40	4	Bolt	
	11	C18	1	Ring	
	12	80-1602514	1	Ring	
	13	80-1602521	1	Tappet	
	14	80-3405044	1	Spring	
	15	C5	1	Washer	
	16	C16	1	Ring	
	17	80-1602511	1	Housing	

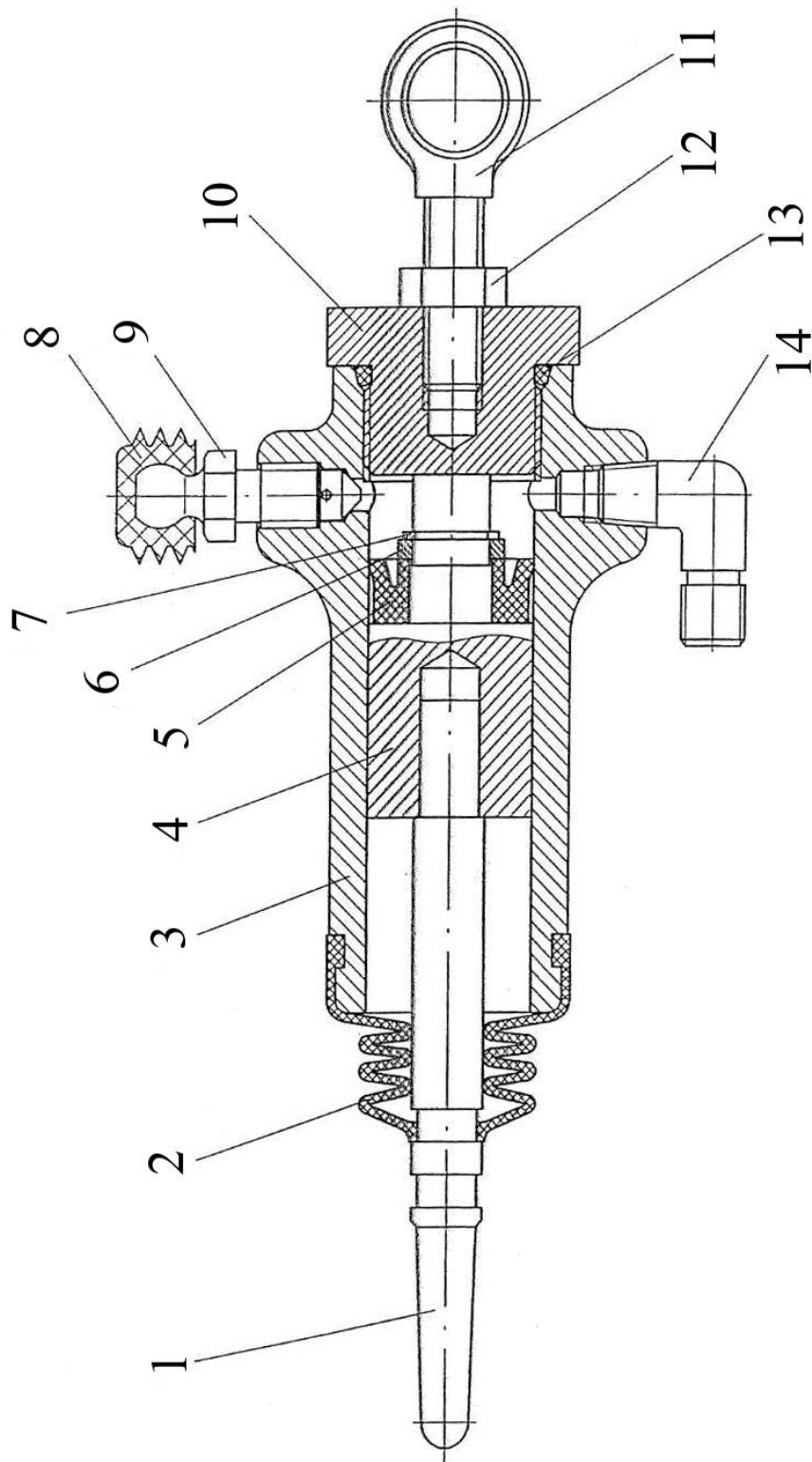


Fig. 38 Operating cylinder

Group 16. Clutch
Subgroup 1602. Operating cylinder

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
38		1523-1602550	1	Cylinder	
	1	80B-1602557	1	Rod	
	2	142-1602569	1	Cover	
	3	1221B-1602551	1	Housing	
	4	1221B-1602556	1	Piston	
	5		1	Collar N14-102 (14x28x10) Simrit 85 EPDMV MOO 282	Company “Freudenberg”
	6	1221B-1602517-B	1	Space bushing	
	7		1	Ring S13 GOST 13940-86	
	8	142-1602377	1	Cap	
	9	142-1602371	1	Valve	
	10	1221B-1602561	1	Cover	
	11	1523-1602566	1	Support	
	12		1	Nut M10-6N.6.019 GOST 5915-70	
	13		1	Ring 027-031 -25-2-6 GOST 18829-73/GOST 9833-73	
	14	822-3503037	1	Elbow	

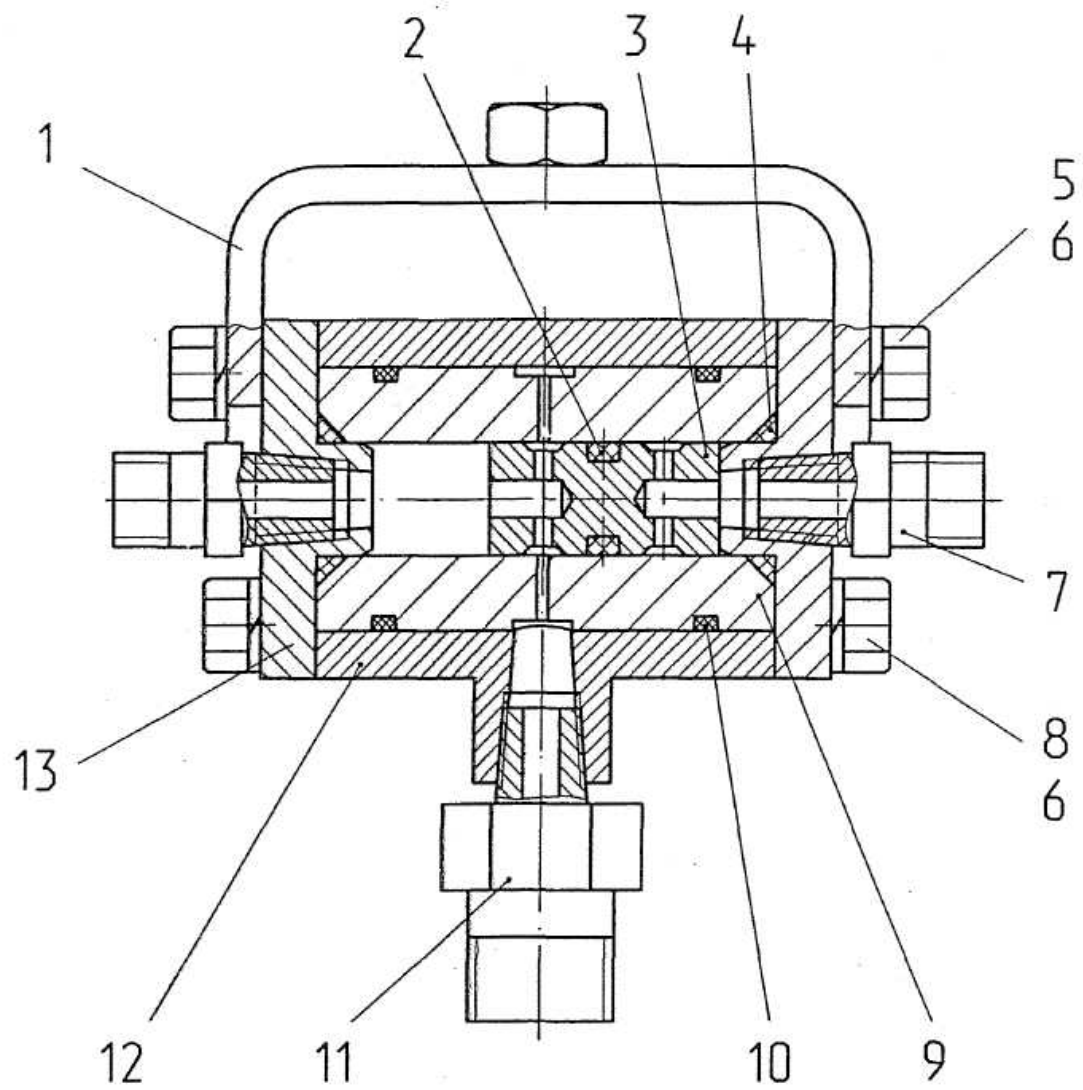


Fig. 39 Tap

Group 16. Clutch
Subgroup 1602. Tap

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
39		2822-1602100-03	1	Tap	
	1	2822-1602110	1	Bracket	
	2	008-012-25-2-6	1	Ring	
	3	2822-1602104	1	Piston	
	4	012-016-25-2-6	2	Ring	
	5	M6x25	4	Bolt	
	6	6T	8	Washer	
	7	80-1701549	2	Union	
	8	M6x20	4	Bolt	
	9	2822-1602102	1	Housing	
	10	025-028-19-2-6	2	Ring	
	11	822-3503155	1	Union	
	12	2822-1602101	1	Housing	
	13	2822-1602103	2	Cover	

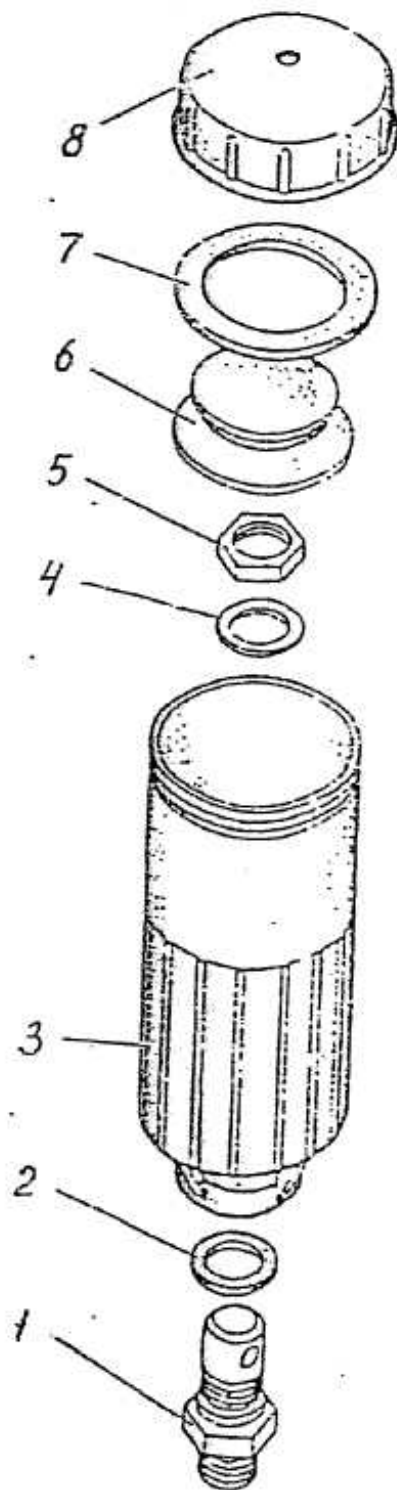


Fig. 40 Tank

Group 16. Clutch
Subgroup 1602. Tank

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
40		822-1602120	1	Tank	
	1	822-1602126	1	Union	
	2	822-1602127	1	Ring	
	3	822-1602121	1	Housing	
	4	C 12	1	Washer	
	5	M12x1,25	1	Nut	
	6	822-1602123	1	Disk	
	7	822-1602124	1	Gasket	
	8	822-1602122	1	Cover	

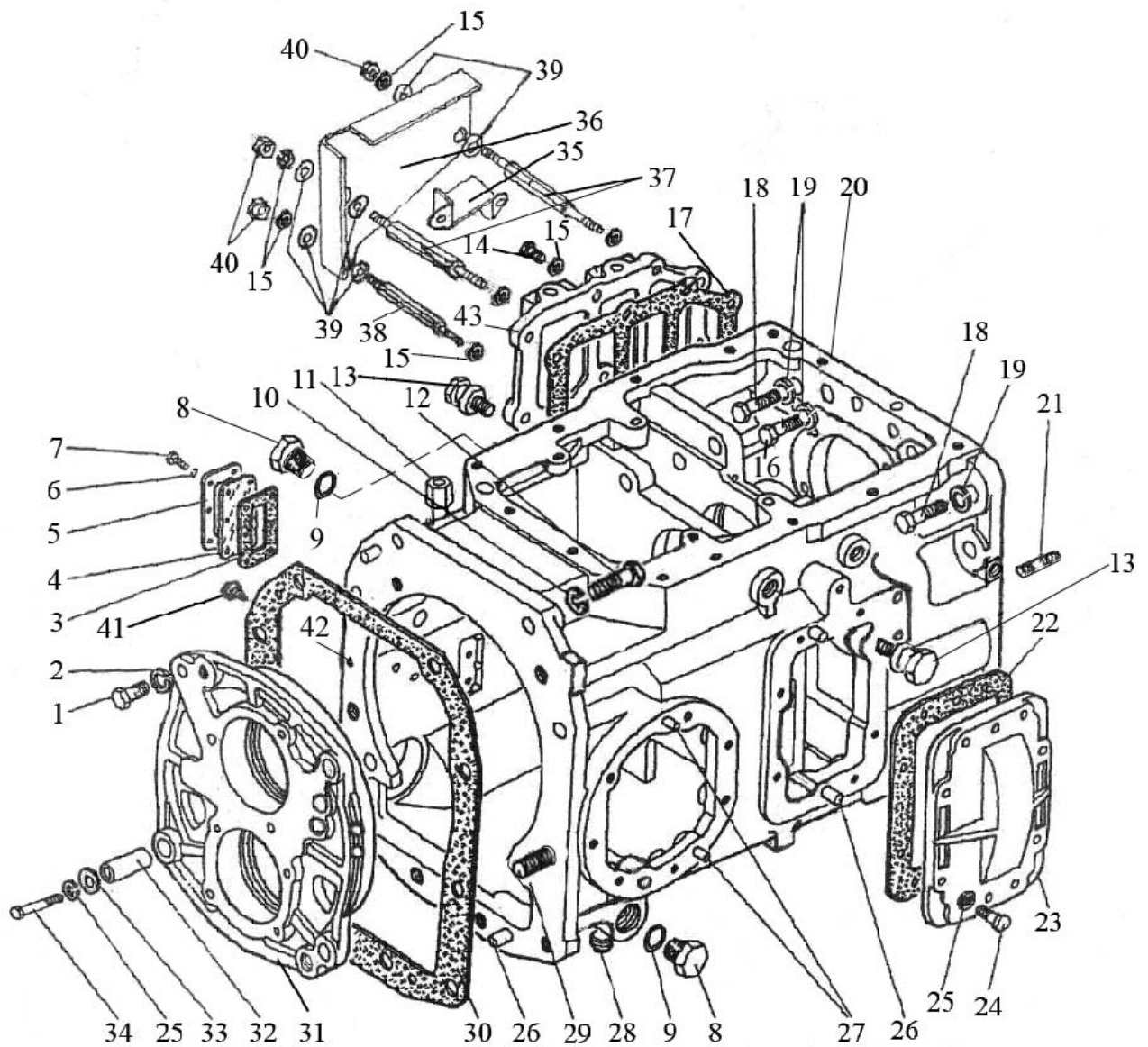


Fig. 41 Gearbox 1222-1700010 (24F+12R)

Group 17. Gearbox

Subgroup 1701. Gearbox 1222-1700010

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
41		1222-1700010-01*	1	Gearbox	
		1222-1700010**			
	1	M16x45	2	Bolt	
	2	ШП16	2	Washer	
	3	85-4608086-A	1	Gasket	
	4	85-4608087	1	Indicator	
	5	85-4608088	1	Plate	
	6	ШП6	6	Washer	
	7	M6x16	6	Bolt	
	8	80-4608021	2	Blind plug	M30
	9	027-032-30-1-4	2	Ring	
	10	ШП20	4	Washer	
	11	1221-1737099	1	Union	
	12	70-4605036	4	Bolt	M20x60
	13	50-1002318-Б	2	Eye bolt	M16
	14	M10x35	6	Bolt	
	15	ШП10	12	Washer	
	16	1221-2401011-02	1	Bolt	M18x50
	17	80-1701399-Б	1	Gasket	
	18	1221-2401011-01	8	Bolt	M18x60
	19	ШП18	9	Washer	
	20	1523-1701025	1	Housing	
	21	1522-1701525	3	Stud	M18x75
	22	50-1701456-A	1	Gasket	
	23	70-1701454-A2-01	1	Cover	
	24	M12x30	7	Bolt	
	25	ШП12	9	Washer	
	26	Д01-015	4	Adjusting pin	Ø14
	27	ШП10 10x25	4	Pin	
	28	ПК КГ 3/8"	1	Plug	
	29	80-1701525	1	Stud M20	
				3p/6gx65.66.019	
				GOST 22034-76	
	30	80-1701026	1	Gasket	
	31	1222-1701034	1	Sleeve	
	32	1222-1701071	2	Pin	
	33	1222-1701072	2	Washer	
	34	M12x60	2	Bolt	

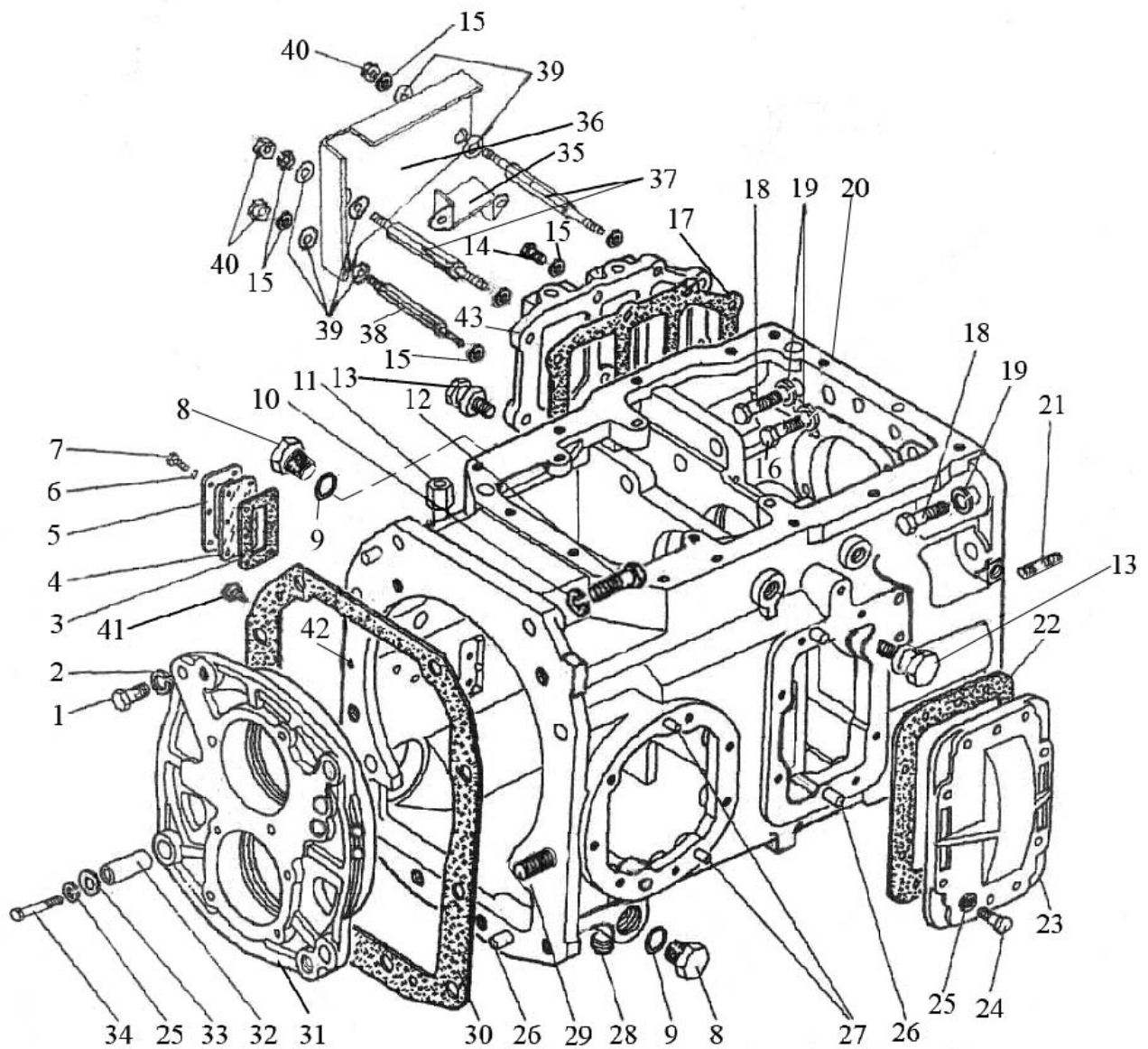


Fig. 41 Gearbox 1222-1700010 (24F+12R)

Group 17. Gearbox

Subgroup 1701. Gearbox 1222-1700010

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
41	35	1221-1802089-A	1	Clip	
	36	1221-1802093	1	Shield	
	37	1221-1802094	2	Stud	
	38	1221-1802094-01	1	Stud	
	39	ШЧ10	6	Washer	
	40	M10	3	Nut	
	41	КГ 1/8".A12.019	1	Plug	
	42	10,0-60	1	Ball	
	43	1221-1802016	1	Cover	

* For BELARUS - 1523/1523B/1523.3/1523B.3

** For BELARUS - 1222/1222B/1222.3/1222B.3

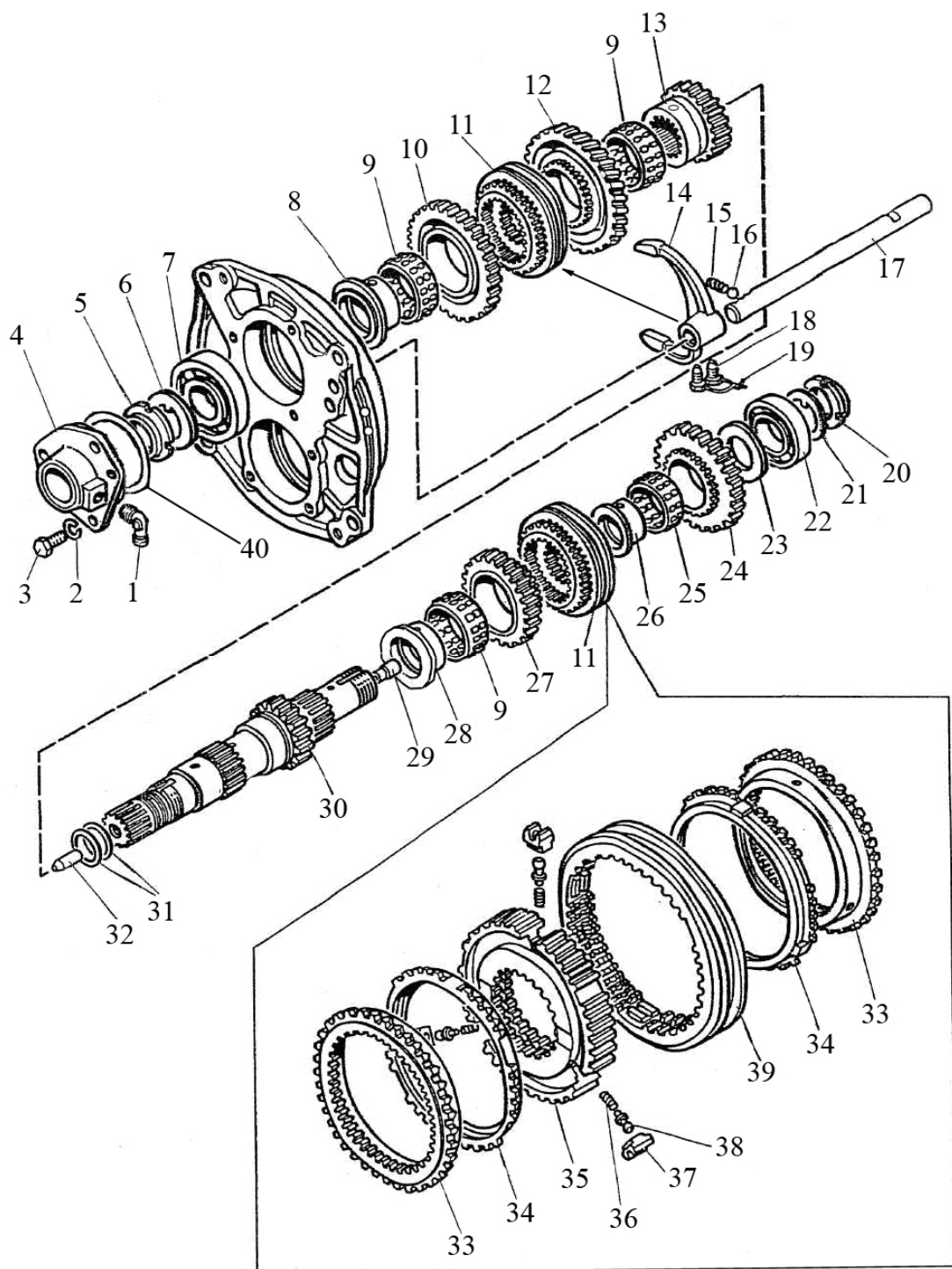


Fig. 42 Primary shaft

Group 17

Subgroup 1701. Primary shaft

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
42	1	86-1802088	1	Elbow	
	2	IIIPI2	3	Washer	
	3	M12x30	3	Bolt	
	4	1222-1701030	1	Sleeve	
	5	80-1701047	1	Nut	
	6	80-1701186	1	Washer	
	7	6-311AIII1	1	Bearing	
	8	1222-1701043	1	Bushing	
	9	3KK 78x89x38E	3	Bearing	
	10	1222-1701052	1	Gear	Teeth: m=4,5 mm; z=35 Splines: 105x2x9d (m=2 mm; z=51)
	11	GT-C 114; 3.28434.3 or 1222-1701400***	2	Synchronizer	Store-bought assembled
	12	1523K-1701054*	1	Gear	Teeth: m=4,5 mm; z =36, helical; splines: 105x2x9d (m=2 mm; z=51)
		1222K-1701054**	1	Gear	Teeth: m=4,5 mm; z =35, helical; splines: 105x2x9d (m=2 mm; z=51)
	13	1222-1701044	1	Gear	Teeth: m=4,5 mm; z=23 Splines: i65x2,5xH7x11H (m=2,5 mm; z=24)
	14	1222-1702088	1	Fork	
	15	50-1702148-A	1	Lock spring	
	16	10,0-60	1	Ball	
	17	1222-1702082	1	Shifter arm	
	18	220-1702061	2	Bolt	
	19	1,6-O-C	200 mm	Wire	
	20	80-1701045	1	Nut	M45x1,5-6H
	21	80-1701056	1	Washer	
	22	309K	1	Bearing	
	23	1222-1701049	1	Washer	
	24	1222-1701048	1	Gear	Teeth: m=4,5 mm; z=31 Splines: 105x2x9d (m=2 mm; z=51)
	25	664913E	1	Bearing	
	26	1222-1701047	1	Bushing	
	27	1222-1701042	1	Gear	Teeth: m=4,5 mm; z=27 Splines: 105x2x9d (m=2 mm; z=51)
	28	1523-1701046	1	Bushing	
	29	80-1701053	1	Throttle	

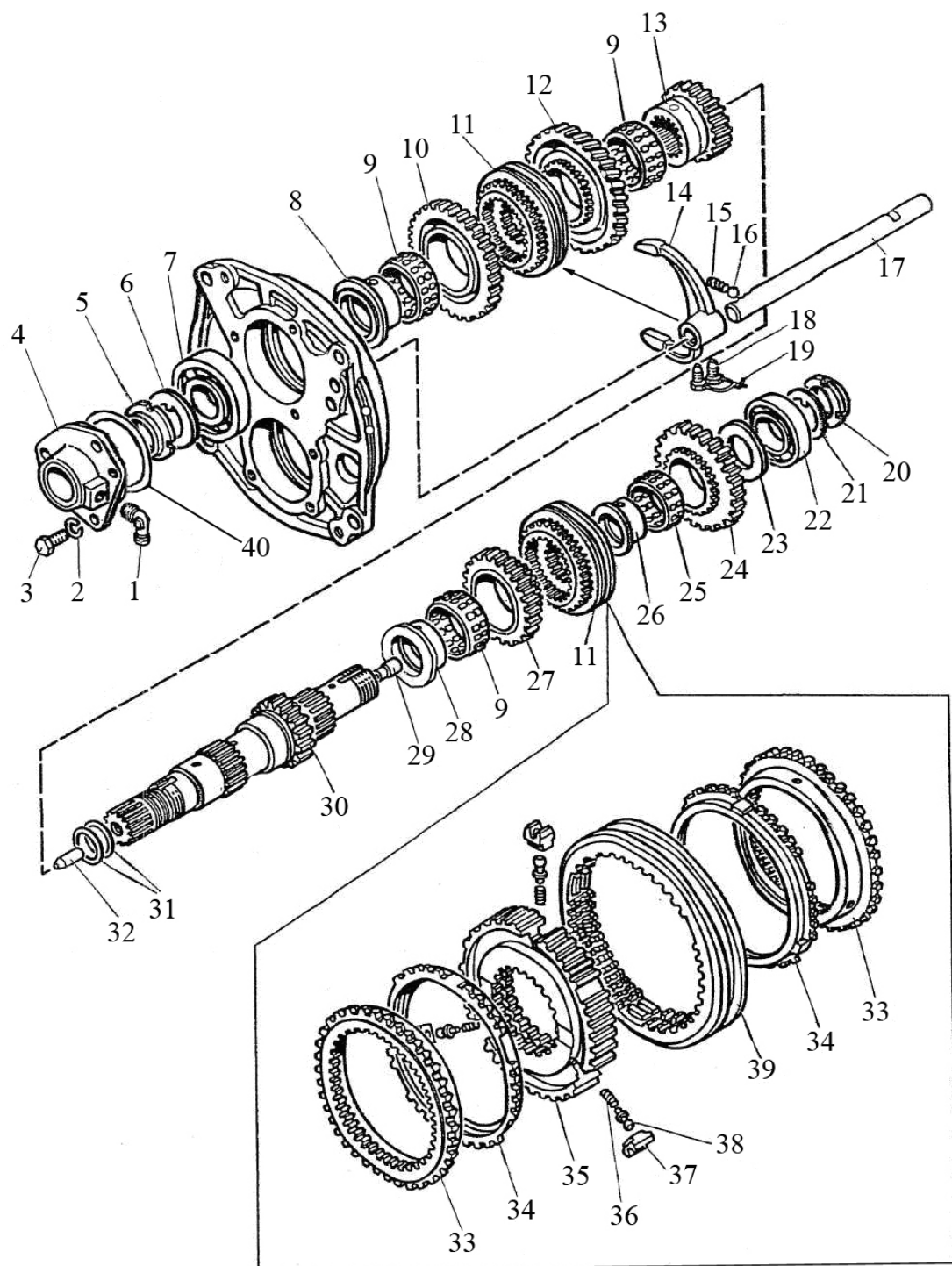


Fig. 42 Primary shaft

Group 17

Subgroup 1701. Primary shaft

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
42	30	1523-1701032	1	Shaft-gear	Teeth: m=4,5 mm; z=19 Splines: a) 65x2,5x9d (m=2,5 mm; z=24); б) m=2,5 mm; z=18
	31	2522-1802083	2	Sealing ring	
	32	50-1601352	1	Adjusting pin	
	33	1222-1701393***	2	Conical ring	
	34	1222-1701390***	2	Lock ring	
	35	1222-1701392***	1	Carriage	
	36	1222-1701396***	3	Spring	
	37	1222-1701397***	3	Tappet	
	38	1222-1701398***	3	Lock	
	39	1222-1701394***	1	Coupling	
	40	1222-1701033***	0-3	Washer	0,2 mm; matching

* For BELARUS - 1523/1523B/1523.3/1523B.3

** For BELARUS - 1222/1222B/1222.3/1222B.3

*** For synchronizer 1222-1701400

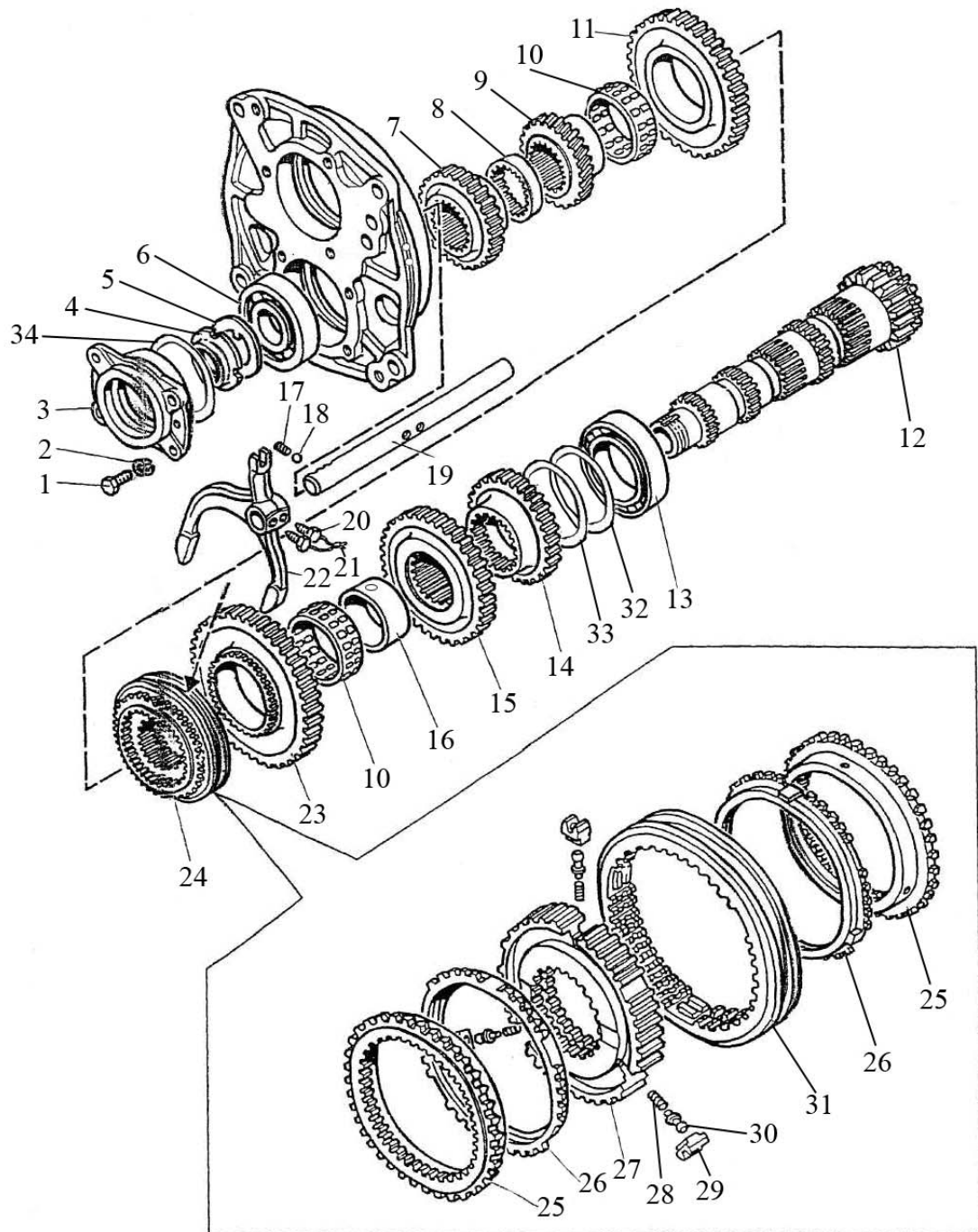


Fig. 43 Lay shaft

Group 17

Subgroup 1701. Lay shaft

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
43		1222-1701190-01*	1	Lay shaft	
		1222-1701190**		(7-13,14-16,23,24,32,33)	
	1	M10x30	4	Bolt	
	2	ШП10	4	Washer	
	3	2022-1701151	1	Sleeve	
	4	80-1701047	1	Nut	
	5	80-1701186	1	Washer	
	6	6-311AIII1	1	Bearing	
	7	1222-1701217	1	Gear	
	8	1222-1701213	1	Bushing	
	9	1523K-1701219*	1	Gear	Teeth: m=4,5 mm; z=23, skew bevel; Splines: m=2,5 mm; z=24
		1222K-1701219**	1	Gear	Teeth: m=4,5 mm; z=24, skew bevel; Splines: m=2,5 mm; z=24
	10	3KK 78x89x38E	2	Bearing	
	11	1222-1701214	1	Gear	Teeth: m=4,5 mm; z=41 Splines: 105x2x9d (m=2 mm; z=51)
	12	1222-1701182	1	Shaft-gear	Teeth: m=4,5 mm; z=17 Splines: a) 65x2,5x9d, б) 65x2,5x11c (m=2,5 mm; z = 24); в) 70x2x11c (m=2 mm; z=34)
	13	3514H	1	Bearing	
	14	1222-1701218	1	Gear	Teeth: m=4,5 mm; z=33 Splines: m=2 mm; z=34
	15	1222-1701216	1	Gear	Teeth: m=4,5 mm; z=37 Splines: m=2 mm; z=34
	16	1222-1701046	1	Bushing	
	17	50-1702148-A	1	Lock spring	
	18	10,0-60	1	Ball	
	19	1222-1702087	1	Shifter arm	
	20	220-1702061	2	Bolt	
	21	1,6-O-C	200 mm	Wire	
	22	1222-1702089	1	Fork	
	23	1523-1701212	1	Gear	Teeth: m=4,5 mm; z=45 Splines: 105x2x9d (m=2 mm; z=51)
	24	GT-C 114; 3.28434.3 or 1222-1701400***	1	Synchronizer	Store-bought assembled
	25	1222-1701393***	2	Conical ring	
	26	1222-1701390***	2	Lock ring	
	27	1222-1701392***	1	Carriage	
	28	1222-1701396***	3	Spring	
	29	1222-1701397***	3	Tappet	
	30	1222-1701398***	3	Lock	

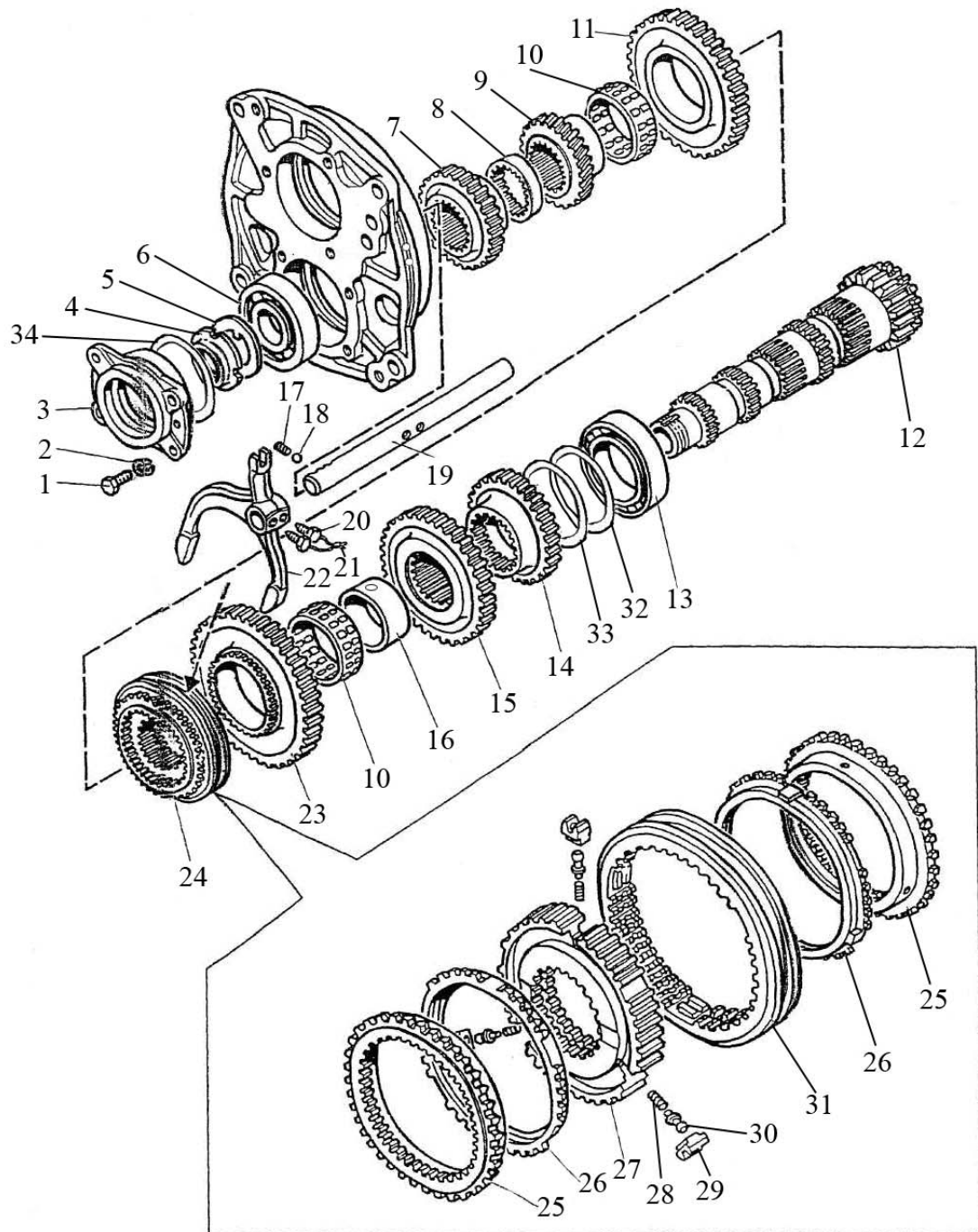


Fig. 43 Lay shaft

Group 17

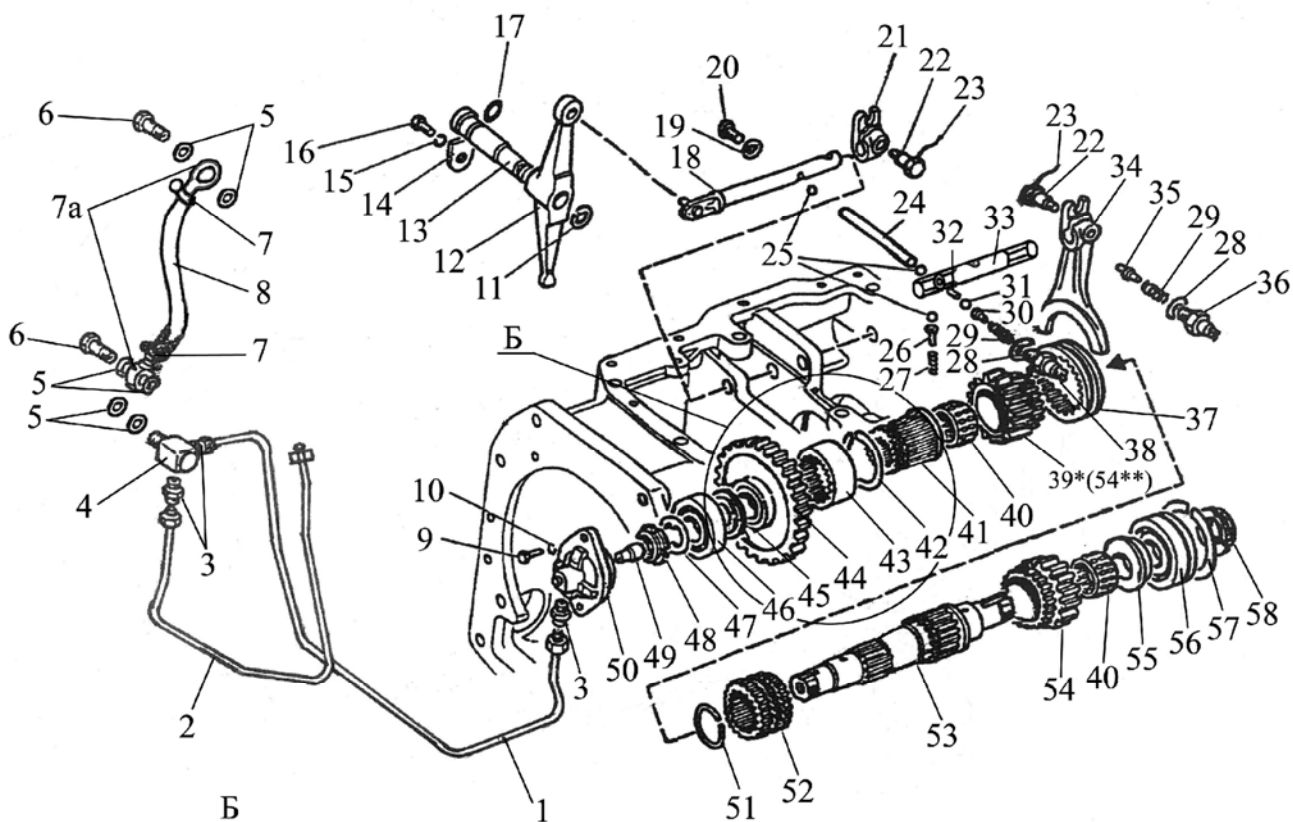
Subgroup 1701. Lay shaft

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
43	31	1222-1701394***	1	Coupling	
	32	1222-1701223	0-4	Washer	0,2 mm; matching
	33	1222-1701223-01	0-3	Washer	0,5 mm; matching
	34	1222-1701033	0-3	Washer	0,2 mm; matching

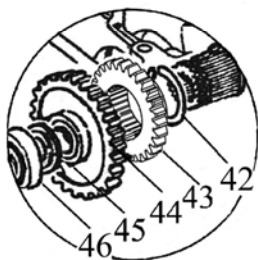
* For BELARUS - 1523/1523B/1523.3/1523B.3

** For BELARUS - 1222/1222B/1222.3/1222B.3

*** For Synchronizer 1222-1701400



Variant with reduction gear



* For BELARUS-1222/1222B/1222.3/1222B.3

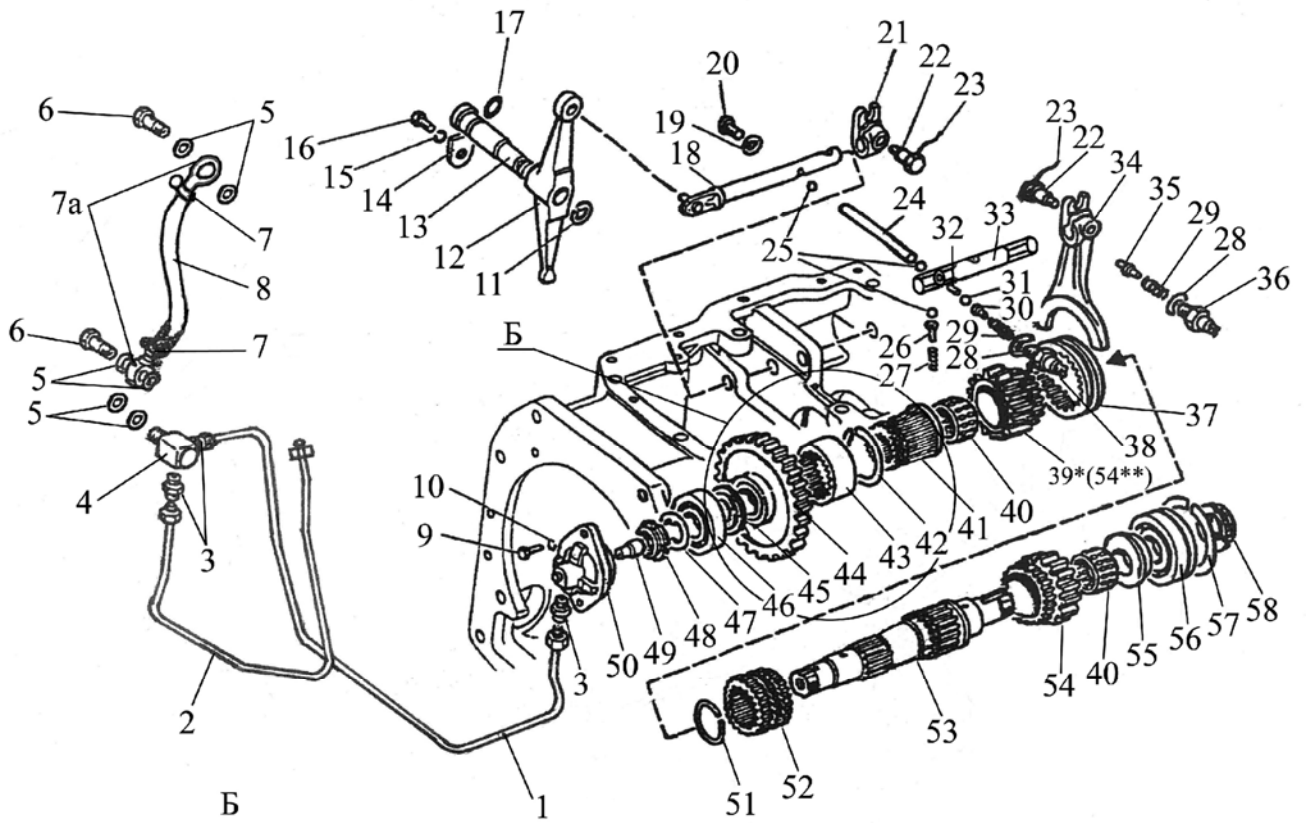
** For BELARUS-1523/1523B/1523.3/1523B.3

Fig. 44 Shaft of low gears and reverse

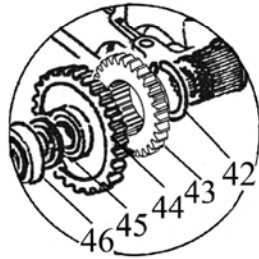
Group 17

Subgroup 1701. Shaft of low gears and reverse

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
44		75-1701320	1	Shaft (40-1unit.,53,55-58)	
		80-1701310	1	Sleeve (3-1unit., 49,50)	
		1222-1702130-01	1	Oil pipeline (7,7a,8)	
	1	80-1701420	1	Pipe	
	2	80-1701430	1	Pipe	
	3	80-1701549	3	Union	
	4	80-1701057	1	Union	
	5	Д18-055-A	6	Seal ring	
	6	Д18-051	2	Bolt	
	7	TORRO 12-20/9-C6W	2	Clamp "Norma"	
	7a	Φ80-3407720	2	Oil pipeline	
	8	1222-1702131-01	1	Sleeve	L = 440 mm
	9	M8x20	2	Bolt	
	10	ШП8	2	Washer	
	11	C25	1	Ring	
	12	85-1702041	1	Rocker arm	
	13	85-1702042	1	Axle	
	14	85-1702043	1	Plate	
	15	ШП10	1	Washer	
	16	M10x20	1	Bolt	
	17	026-030-25-2-2	1	Ring	
	18	85-1702050	1	Shifter arm	
	19	85-1702051	1	Washer	
	20	M12x25	1	Bolt	
	21	85-1702045	1	Shifter arm	
	22	80-1702108	2	Bolt	
	23	1,6-O-C	1	Wire	L = (2x200) mm
	24	85-1702046	1	Pin	
	25	10,0-60	3	Ball	
	26	80-1704039	1	Guide	
	27	50-1702148-A	1	Lock spring	
	28	50-1702048	10	Shim	Matching, maximum quantity
	29	12-23-668-A	2	Spring	
	30	85-1702305	1	Pin	
	31	12,7-60	1	Ball	
	32	85-1702301	1	Axle	
	33	1522-1702035	1	Shifter arm	
	34	1222-1702027	1	Fork	
	35	1522-1702306	1	Pin	
	36	BK 12-51	1	Switch	



Variant with reduction gear



* For BELARUS-1222/1222B/1222.3/1222B.3

** For BELARUS-1523/1523B/1523.3/1523B.3

Fig. 44 Shaft of low gears and reverse

Group 17

Subgroup 1701. Shaft of low gears and reverse

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
44	37	112-1701343	1	Coupling	
	38	BK 12-41	1	Switch	
	39	1222-1701351	1*	Gear	$z = 21, m = 5 \text{ mm}$
	40	664910E	2	Bearing	KK 52x60x39E
	41	80-1701346 or	1	Bushing	Without reducing gear
		80-1701346-01	1	Bushing	With reducing gear
	42	2C70	1	Ring	
	43	1222-1701344 or	1	Bushing	Without reducing gear
		1025-1701344	1	Gear	With reducing gear; $z = 27; m = 4,5 \text{ mm}$ $z = 38, m = 4,5 \text{ mm}$
	44	1520-1701340	1	Gear	
	45	80-1701306	1	Washer	
	46	12507KM	1	Bearing	
	47	86-1802052	1	Washer	
	48	52-2308097	1	Nut	M35x1,5-6H, D = 51 mm
	49	80-1701053	1	Throttle	
	50	80-1701311-A	1	Sleeve	
	51	54-31-472	1	Spring ring	
	52	75-1701352	1	Bushing	
	53	75-1701335	1	Shaft	
	54	1222-1701361	1*,2**	Gear	$z = 20, m = 5 \text{ mm}$
	55	80-1701339	1	Bushing	
	56	692309KM	1	Bearing	
	57	80-1701396	1	Ring	
	58	80-1701045	1	Nut	M45x1,5-6H, D = 68 mm

* For BELARUS – 1222/1222B/1222.3/1222B.3

** For BELARUS – 1523/1523B/1523.3/1523B.3

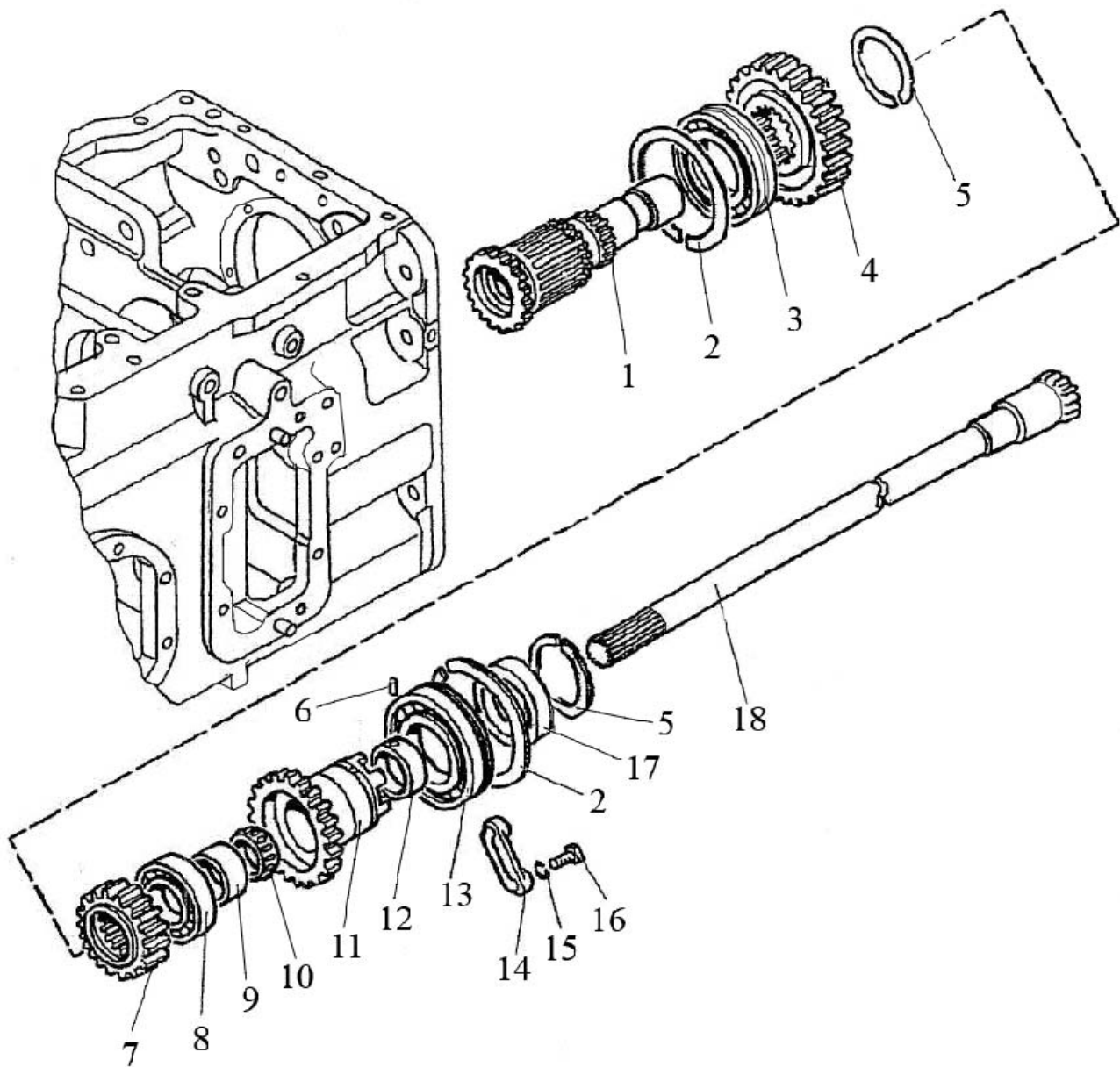


Fig. 45 Gear block shaft

Group 17

Subgroup 1701. Gear block shaft

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
45		112-1701200	1	Gear (2,5,6,8,9,11-13,17)	
		112-1701230	1	Gear (6,11,12)	
	1	80-1701240	1	Shaft	
	2	80-1701206	2	Ring	
	3	692215K1M	1	Bearing	
	4	1222-1701221 or	1*	Gear	z =28, m = 5 mm
		1525-1701221	1**	Gear	z =29, m = 5 mm
	5	2C75	2	Ring	
	6	2,4x8	1	Pin	
	7	1222-1701224	1	Gear	z =19, m = 5 mm
	8	42210M	1	Bearing	
	9	80-1701203	1	Bushing	(Ø51x Ø60x28,5) mm
	10	864710E	1	Bearing	K 49,8x60,8x24E
	11	112-1701202	1	Gear	z =27, m = 4,5 mm
	12	80-1701201	1	Bushing	(Ø51x Ø60,8x12) mm
	13	50215A	1	Bearing	
	14	80-1701205	2	Strip	
	15	IIII10	4	Washer	
	16	M10x30	4	Bolt	
	17	80-1701207-01	1	Bushing	(Ø75x Ø83x23,7) mm
	18	1522-1701160	1	Shaft	Splines: a) 35x1x11c (m=1 mm; z =34); б) inv. 51x3,5x14 (m=3,5 mm; z=14)

* For BELARUS – 1222/1222B/1222.3/1222B.3

** For BELARUS – 1523/1523B/1523.3/1523B.3

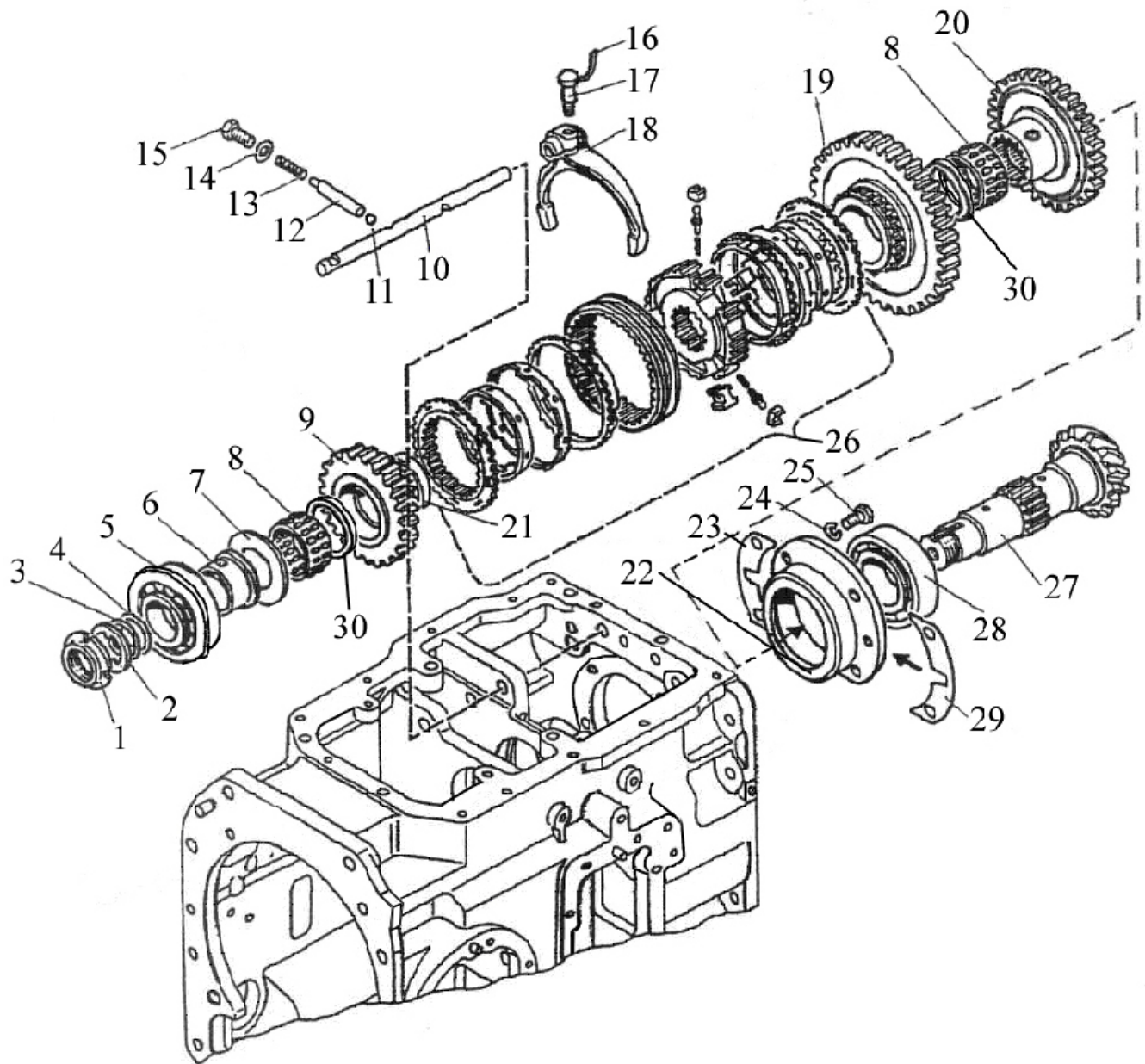


Fig. 46 Main shaft

Group 17

Subgroup 1701. Main shaft

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
46		1222-1701050	1	Shaft (27, inner casing with rollers pos.28)	
	1	80-1701045	1	Nut	M45x1,5-6H, D=68 mm
	2	1522-1701354	1	Washer	(Ø45,5xØ72x5) mm
	3	1522-1701254	5	Washer	(Ø46xØ58x0,2) mm, matching
	4	1522-1701254-01	5	Washer	(Ø46xØ58x0,5) mm, matching
	5	6-67512AIII2	1	Bearing	
	6	1522-1701350	1	Bushing	
	7	1222-1701353	1	Washer	(Ø45,5xØ90x6) mm
	8	664514E	2	Bearing	KK 70x78x31E
	9	1222-1701314-A or	1*	Gear	z=29, m=5 mm; Splines: 95x2x9d (z=46; m=2 mm)
		1525-1701314-A	1**	Gear	z=28, m=5 mm; Splines: 95x2x9d (z=46; m=2 mm)
	10	1222-1702037	1	Shifter arm	
	11	10,0-60	1	Ball	
	12	85-1702048	1	Pin	
	13	50-1702148-A	1	Lock spring	
	14	85-1702051	1	Washer	
	15	M12x25	1	Bolt	
	16	1,6-O-C	1	Wire	L=200 mm
	17	80-1702108	1	Bolt	
	18	1222-1702029	1	Fork	
	19	1222-1701312-A	1	Gear	z=38, m=5 mm; Splines: 95x2x9d (z=46; m=2 mm)
	20	1222-1701313	1	Gear	z=37, m=4,5 mm; Splines: 58x2,5x22 (z=22; m=2,5 mm)
	21	1222-1701349	1	Bushing	
	22	80-1701140-B	1	Seat	Sleeve 80-1701141-B and outer bearing casing pos.28
	23	50-1701258	6	Gasket	0,2 mm; matching
	24	IIII10	4	Washer	
	25	M10x30	4	Bolt	
	26	GT-D 109/116; 3.26299.3	1	Synchronizer	Spline opening.: 58x2,5x22x9H (z=22; m=2,5 mm)
	27	1222-1701252	1	Shaft-gear	Sphere-arc teeth: z=12, m _{te} =8 mm; Splines: 58x2,5x9d (z=22; m=2,5 mm)

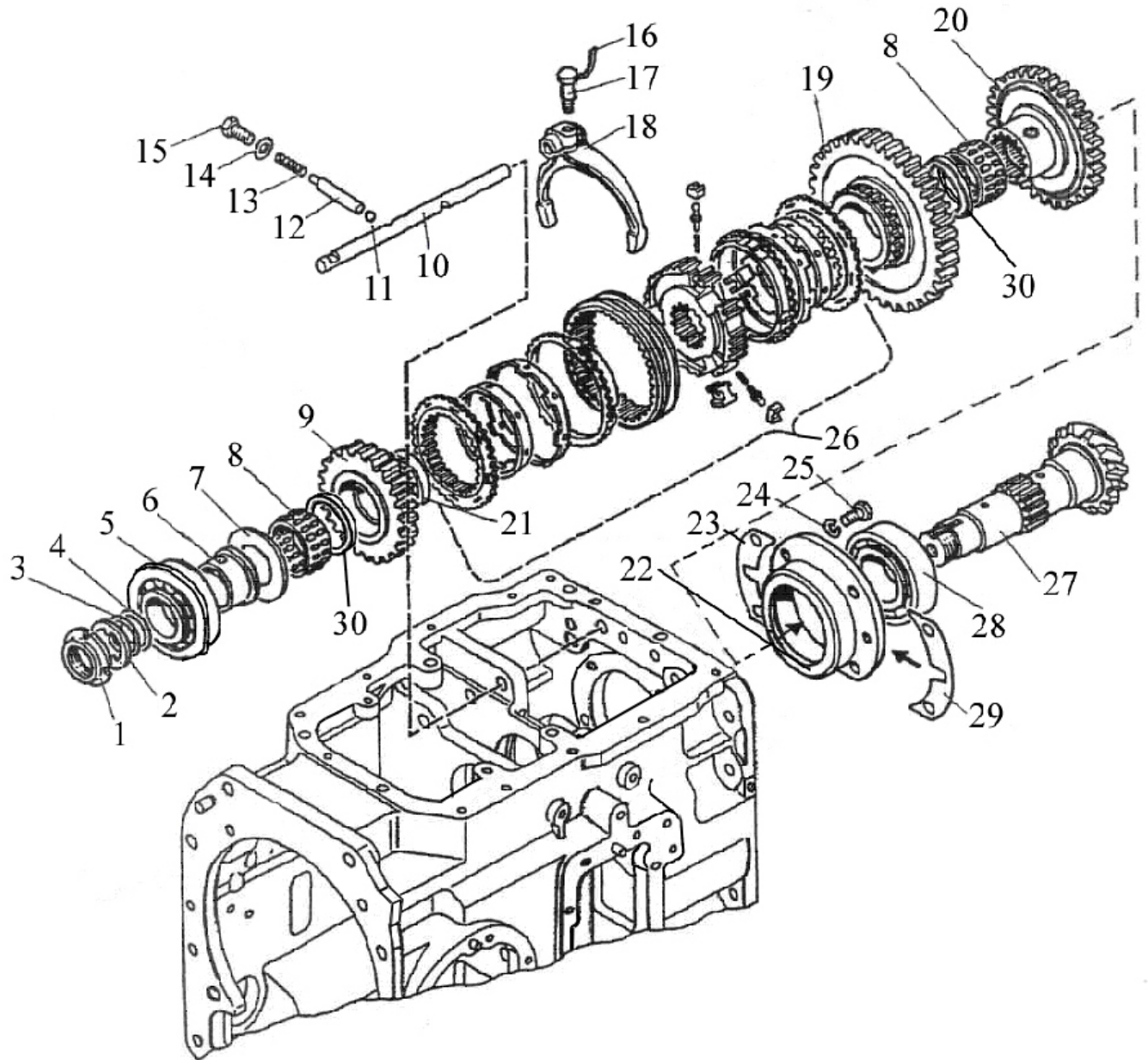


Fig. 46 Main shaft

Group 17

Subgroup 1701. Main shaft

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
46	28	7712A	1	Bearing	Inner casing-together with pos.27; outer casing- together with pos.22 0,5 mm; matching (Ø70,5xØ76x9) mm
	29	50-1701259	4	Gasket	
	30	2025-1701033	2	Bushing	

* For BELARUS-1222/1222B/1222.3/1222B.3

** For BELARUS-1523/1523B/1523.3/1523B.3

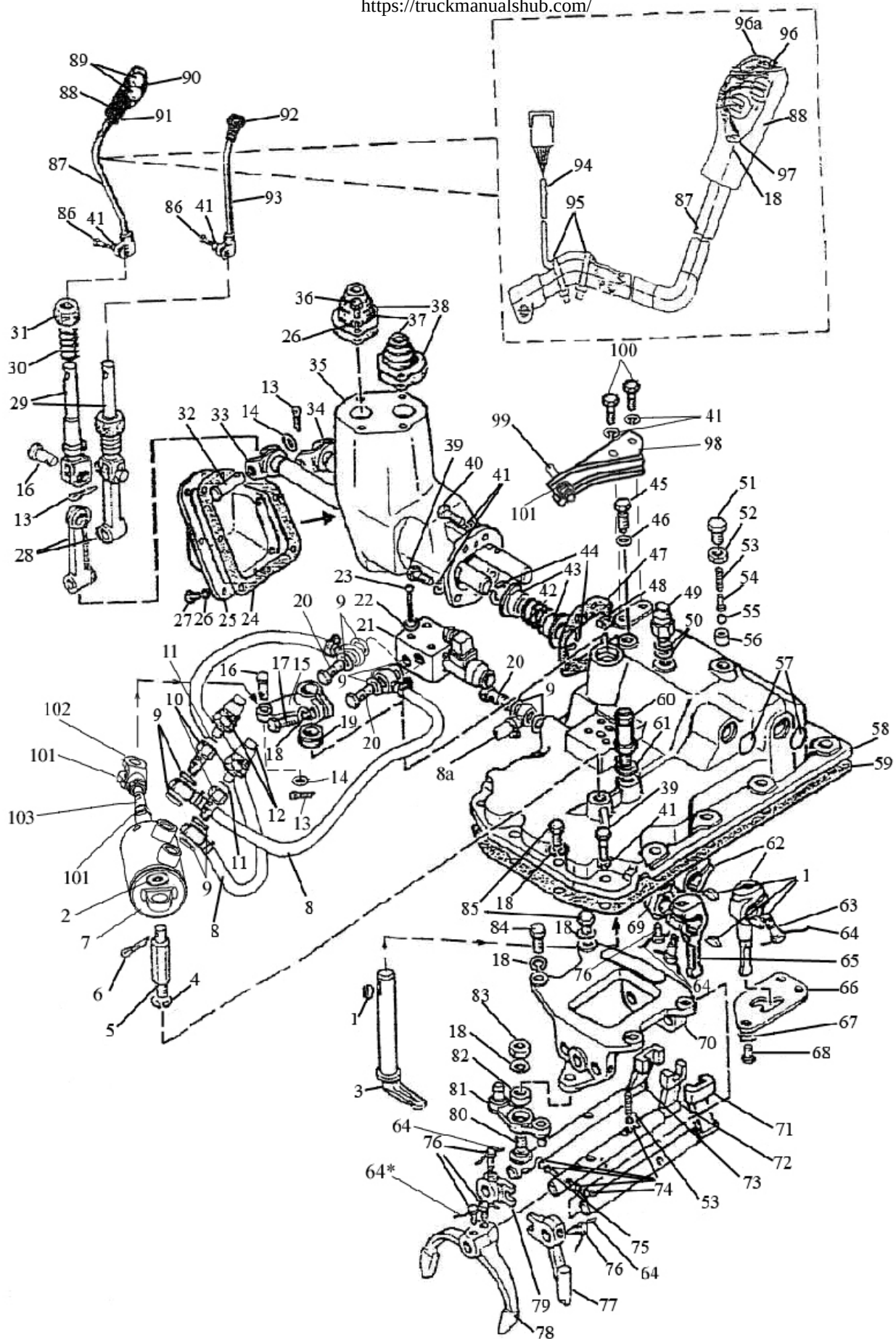


Fig. 47 Gearbox control mechanism

Group 17

Subgroup 1702. Gearbox control mechanism

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
47		1222-1702010-01	1	Gearbox control mechanism	
		1222-1702080	1	Yoke body (18-1 unit., 53-1 unit., 64 (2x200+200*=600 mm), 70-83)	
	1	6x10	4	Key	
	2	ШЧ16	1	Washer	(Ø17,5xØ30x3) mm
	3	1222-1702093	1	Lever	
	4	ШП16	1	Washer	
	5	1222-1702096	1	Axle	
	6	3,2x25	1	Cotter pin	
	7	2102-4216110-Б	1	Cylinder	
	8	1222-1702130	2	Oil pipeline	L = 418 mm
	8a	1222-1702130-01	1	Oil pipeline	L = 498 mm
	9	Д18-055-А	10	Seal ring	
	10	1222-1702114	2	Union	
	11	009-012-19-1-4	2	Ring	
	12	ДСДМ-М	2	Sensor	
	13	3,2x18	5	Cotter pin	
	14	85-4619014	3	Washer	(Ø13xØ24x1,5) mm
	15	1222-1702092	1	Lever	
	16	12x32	3	Pin	
	17	M12x35	1	Bolt	
	18	ШП12	8	Washer	
	19	2.2-25x42-1	1	Collar	
	20	Д18-051	3	Bolt	
	21	RH 06101-012/00GA-AMP	1	Hydraulic distributor	
	22	ШП5	4	Washer	
	23	B.M5x50	4	Screw	
	24	80-1702068	1	Gasket	
	25	80-1702067	1	Cover	
	26	ШП6	11	Washer	
	27	M6x16	7	Bolt	
	28	80C-1702073	2	Lever	
	29	80C-1702074	2	Fork	
	30	77.37.117	2	Spring	
	31	142-1702032	2	Sphere	
	32	12x55	2	Pin	
	33	1222-1702070	1	Shaft	
	34	80C-1702060	1	Shaft	
	35	80-1702078-A	1	Housing	
	36	M6x20	4	Bolt	
	37	55-47-569-A	2	Cover	

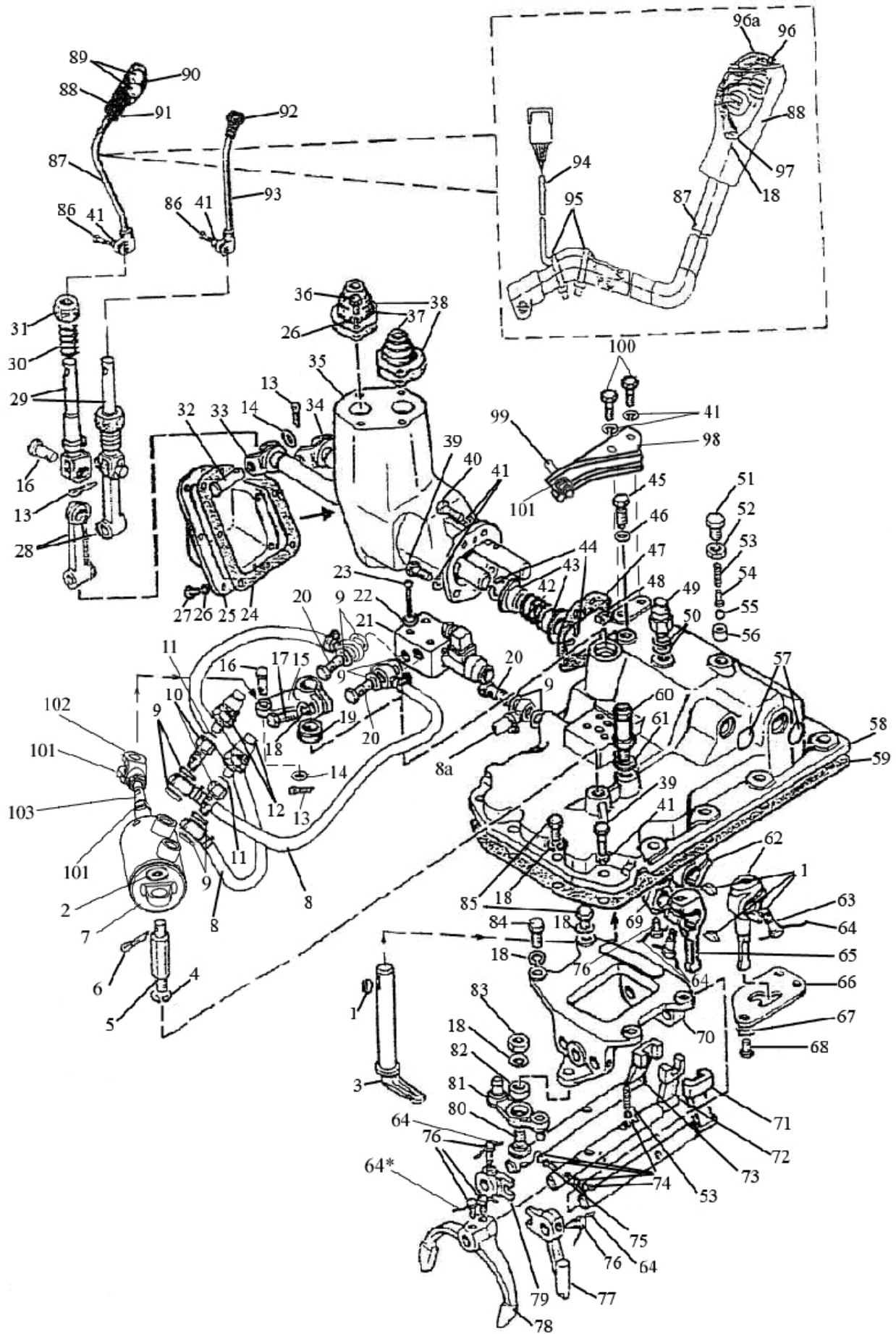


Fig. 47 Gearbox control mechanism

Group 17

Subgroup 1702. Gearbox control mechanism

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
47	38	80C-1702075	2	Washer	
	39	M10x35	14	Bolt	
	40	M10x40	2	Bolt	
	41	III110	20	Washer	
	42	80-4608057	1	Spring	
	43	1222-1702064	2	Bushing	
	44	C25	2	Ring	
	45	1222-1702048	1	Screw	
	46	85-1702051	1	Washer	
	47	80C-1702066	1	Gasket	
	48	8x16	2	Pin	
	49	BK 12-41	1	Switch	
	50	50-1702048	10	Adjusting gasket	(Ø16,2xØ24x0,28) mm; matching
	51	70-1703204	1	Bolt	
	52	M16	1	Nut	Height 8 mm
	53	50-1702148-A	2	Lock spring	
	54	80-1704039	1	Guide	
	55	10,0-60	1	Ball	
	56	70-1703013	1	Bushing	
	57	28-10	2	Blind plug	
	58	1222-1702030	1	Cover	
	59	85-1702026	1	Gasket	
	60	85-1702270	1	Breather	
	61	B50-3522023	1	Gasket	
	62	85-1702055	2	Lever	
	63	80-1702108	3	Bolt	
	64	1,6-O-C	1	Wire	L = 1400 mm, * 200 mm- fork bolts locking pos. 78 by gearbox assembling
	65	1222-1702055	1	Lever	
	66	1222-1702052	1	Link	
	67	80-3401013	3	Washer	
	68	M10x20	3	Bolt	
	69	1222-1702074	1	Bushing	
	70	1222-1702081	1	Housing	
	71	1222-1702084	1	Shifter arm	
	72	1222-1702086	1	Shifter arm	
	73	1222-1702083	1	Shifter arm	
	74	9,922-100	5	Ball	
	75	85-1702301	1	Axle	
	76	220-1702061	5	Bolt	
	77	1222-1702109	1	Shifter arm	
	78	1222-1702091	1	Fork	Regulation with bolts pos.76 and with wire pos. 64 (200 mm) by gearbox assembling
	79	1222-1702107	1	Stop	

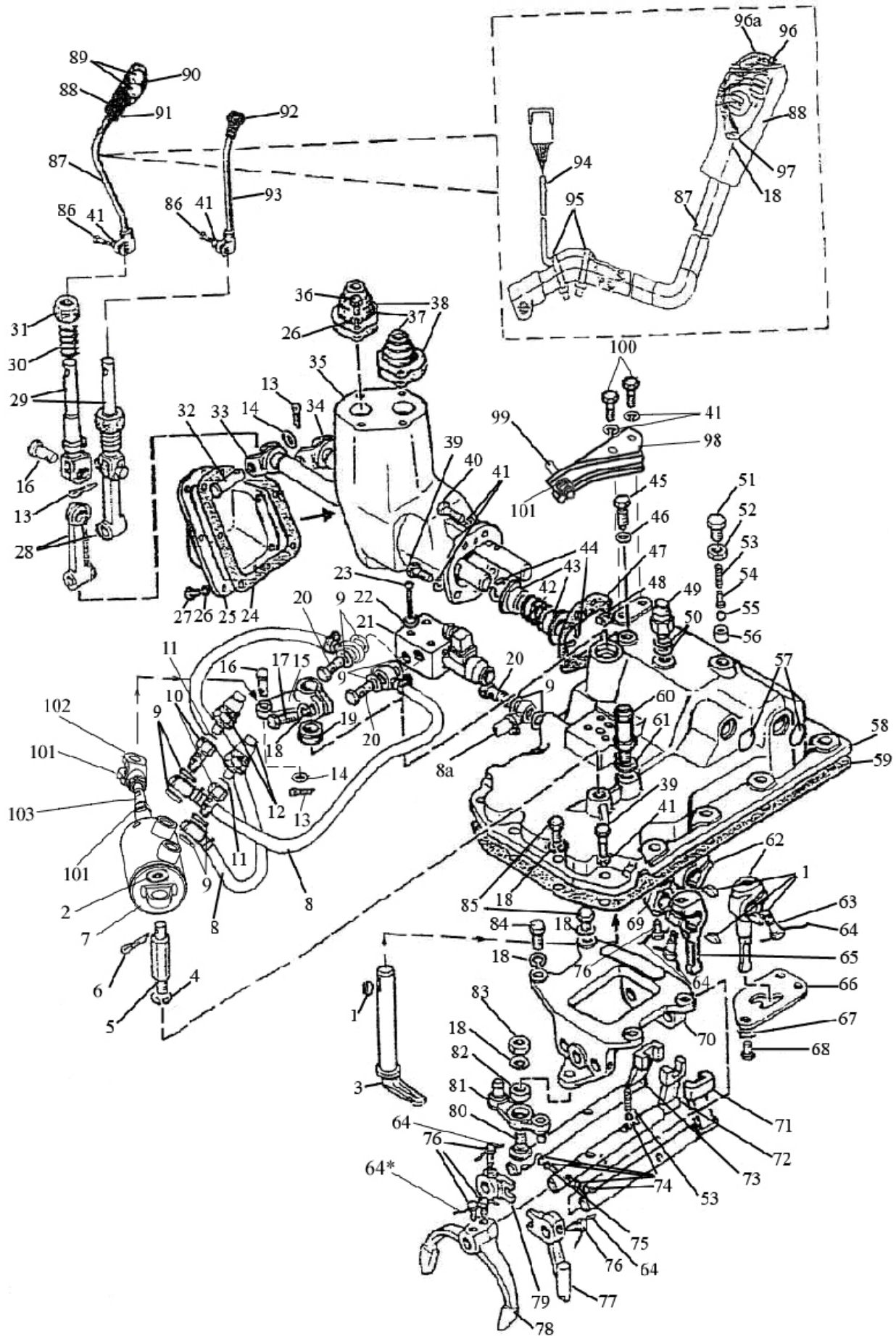


Fig. 47 Gearbox control mechanism

Group 17

Subgroup 1702. Gearbox control mechanism

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
47	80	1222-1702112	1	Axle	
	81	1222-1702105	1	Rocker arm	
	82	941/20	1	Bearing	(Ø20xØ26x14) mm
	83	M12	1	Nut	Height 10 mm
	84	M12x30	2	Bolt	
	85	50-1702092	4	Bolt	M12x42
	86	M10x30	2	Bolt	
	87	1222-1702610-A1	1	Lever	
	88	75-1702505	1	Handle	
	89	BK 12-1	2	Switch	
	90	4x30	4	Screw	
		GOST 10621-80			
	91	75-1702502	1	Cover	
	92	A15.05.020	1	Handle	
	93	2022-1702500-A	1	Lever	
	94	1221-3724925-A	1	Braid	
	95	80-3723045	2	Collar	
	96	AJI 307 KM A0.336.076	1	Light-emitting diode	
		TY (red)			
	96a	AJI 3074M A0.336.076	1	Light-emitting diode	
		TY (yellow)			
	97	M12x1,25-6H.6.019	1	Nut	
		GOST 5915-70			
	98	2022-1702090	1	Bracket	
	99	2022-1702093	1	Bolt	(M10-6gx60) mm
	100	M10x25	2	Bolt	
	101	M10	3	Nut	Height 5 mm
	102	822-3502203	1	Fork	
	103	2022-1702094	1	Stud	(M10-6gx90) mm

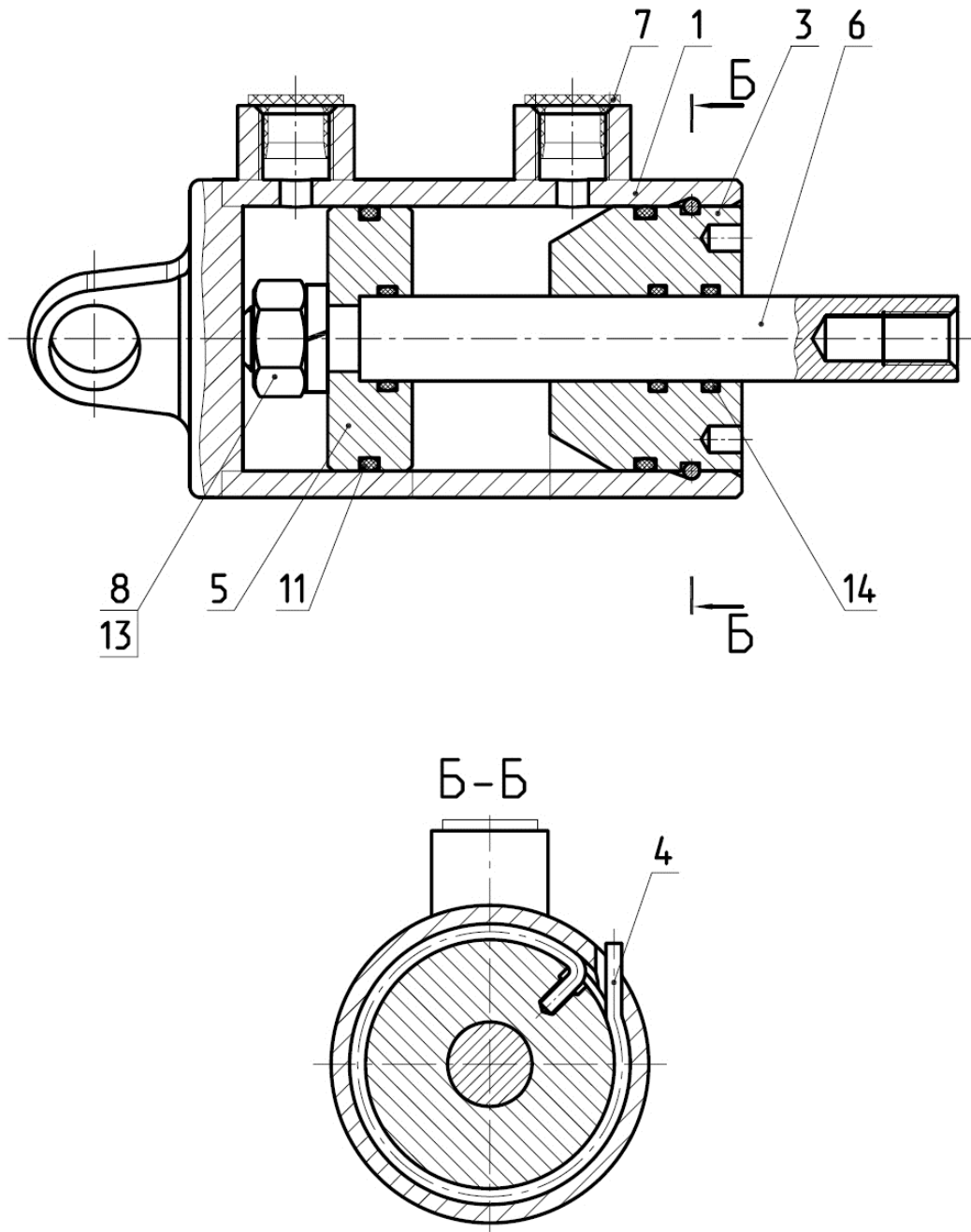


Fig. 48 Cylinder

Group 17. Gearbox.
Subgroup 1702. Cylinder.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
48		2102-4216110-B	1	Cylinder	
	1	80-4216115-01	1	Housing	
	3	80-4216116	1	Cover	
	4	80-4216117	1	Pin	
	5	80-4216118	1	Piston	
	6	80-4216119-B	1	Rod	
	7	80-3405038	2	Technological plug	
	8		1	Nut M12-6N.5.019 GOST 5915-70	
	11			Ring 045-050-30-2-2	
			2	GOST 18829-73/GOST 9833-73	
	13		1	Washer 12 OT OST 37.001.115-75	
	14		3	Ring 15,54x2,62 DBS/AS MS29513 or 016-020-25-1-4 GOST 18829-73/ GOST 9833-73	

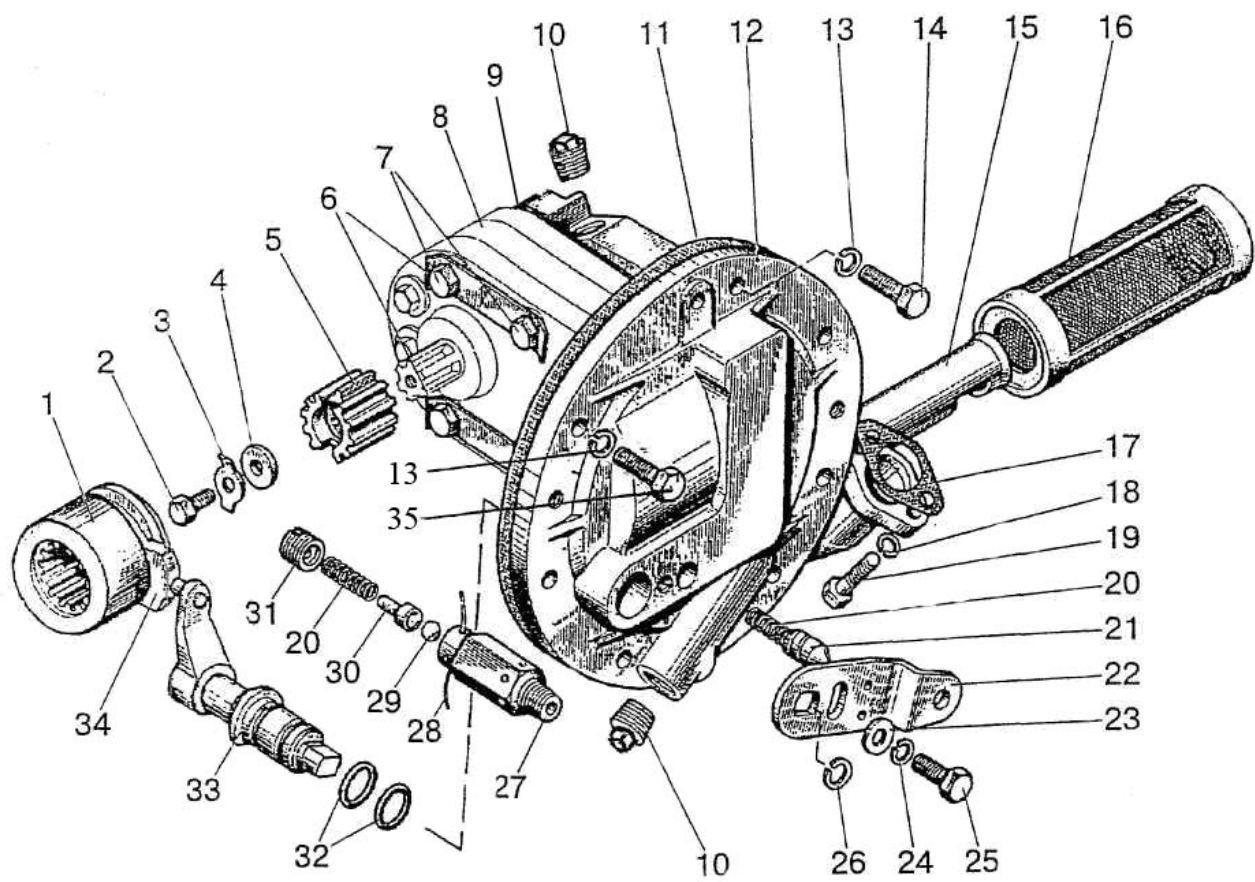


Fig. 49 Pump drive

Group 17. Gearbox
Subgroup 1704. Pump drive

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
49		1222-1704010	1	Pump drive (1-10,12,15-34)	
		80-1704040	1	Valve (20,27-31)	
	1	80C-1704096-B	1	Coupling	
	2	M8x20	1	Bolt	
	3	80-1704034	1	Washer	
	4	85-1601108	1	Washer	
	5	80-1704014-B	1	Bushing	
	6	80-1704092	2	Locking plate	
	7	M12x75	4	Bolt	
	8	HMIИ25	1	Gear oil pump	
	9	80-1704093	1	Pump gasket	
	10	ПК КГ 3/8"	2	Plug	
	11	80-1704016	1	Gasket	
	12	1222-1704015	1	Housing	
	13	ИИИ 10	7	Washer	
	14	M10x30	6	Bolt	
	15	80-1704030	1	Oil pipeline	
	16	80-1704050-A	1	Filter	
	17	80-1704033	1	Gasket	
	18	ИИИ 8	2	Washer	
	19	M8x30	2	Bolt	
	20	50-1702148-A	1	Lock spring	
	21	80-1704037	1	Lock	
	22	80-1704018	1	Plate	
	23	ИИИ10	1	Washer	
	24	ИИИ10	1	Washer	
	25	M10x25	1	Bolt	
	26	2C18	1	Ring	
	27	80-1704041	1	Housing	
	28	1,0-0-C	1	Wire	
	29	10,0-60	1	Ball	
	30	80-1704039	1	Guide	
	31	80-1704038	1	Plug	
	32	020-025-30-1-4	2	Ring	
	33	80-1704020-B	1	Shaft	
	34	80-1704021	1	Slide block	
	35	M10x25	1	Bolt	

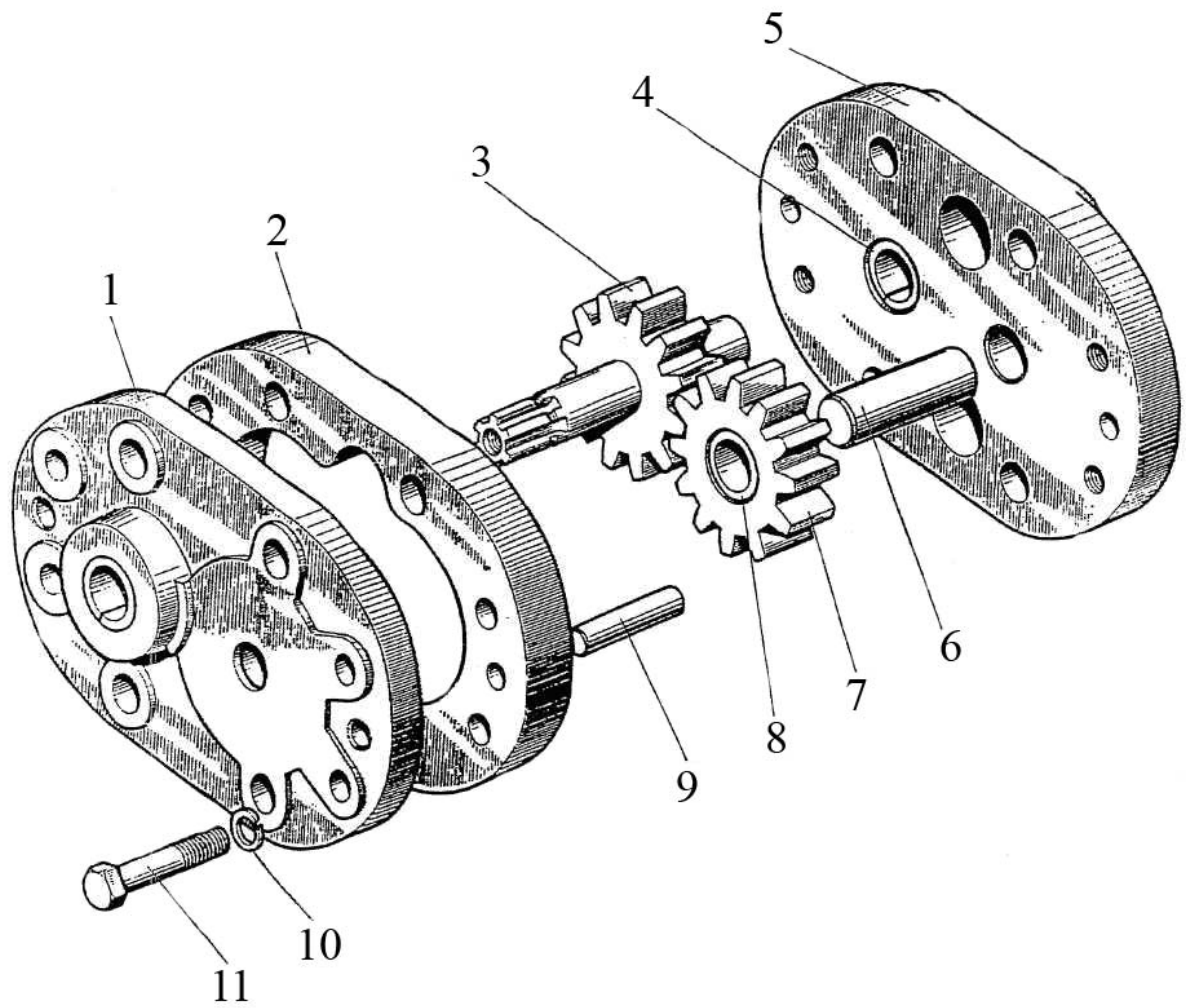


Fig. 50 Oil gear pump

Group 17

Subgroup HMIII-25. Oil gear pump

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
50		HMIII 25	1	Gear pump (1-11)	
		HMIII 25-01-00	1	Lower cover (4,5)	
		HMIII 25-02-00	1	Upper cover (1,4)	
		HMIII 50-03-00	1	Driven gear (7,8)	
	1	HMIII 25-02-01	1	Upper cover	
	2	HMIII25-00-01	1	Housing	
	3	HMIII 25-00-02	1	Driving gear	
	4	HMIII 25-01-02	2	Screw-in bush	
	5	HMIII 25-01-01	1	Lower cover	
	6	HMIII 25-04-01	1	Axle	
	7	HMIII 50-03-01	1	Driven gear	
	8	HMIII 50-03-02	1	Bushing	
	9	HMIII 10x45	2	Pin	
	10	IIIPI10	4	Washer	
	11	M10x45	4	Bolt	

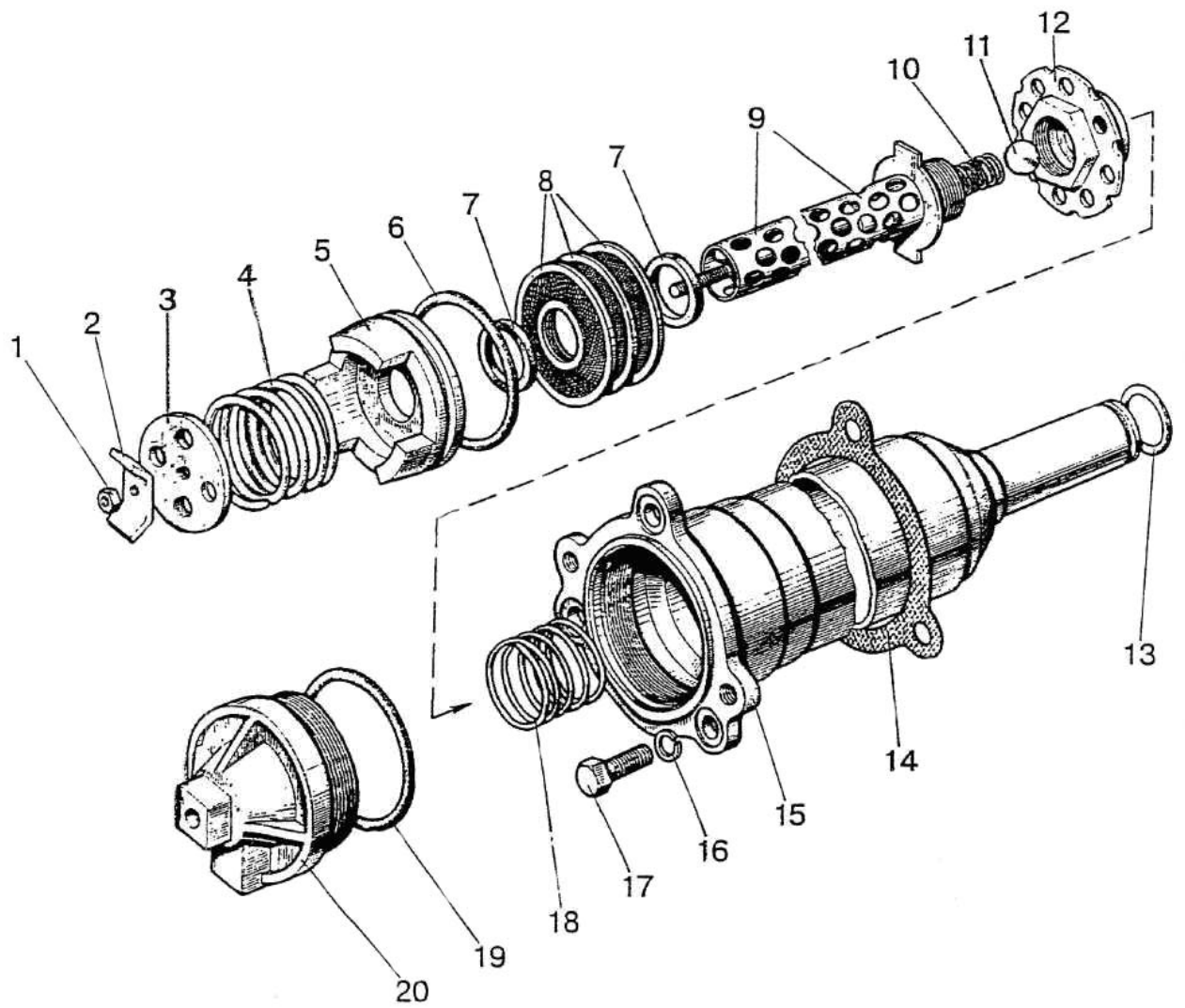


Fig. 51 Filter

Group 17. Gearbox
Subgroup 1716. Filter

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
51		80-1716010	1	Filter (1-13, 15,18-20)	
		80-1716040	1	Filter pipe (9-12)	
		80-1716030	1	Filter (2-5, 7-13)	
	1	M5	1	Nut	
	2	80-1716033	1	Clip	
	3	80-1716032	1	Washer	
	4	80-1716034	1	Spring	
	5	80-1716031	1	Piston	
	6	059-065-36-2-4	1	Ring	
	7	80-4608024	2	Ring	
	8	80-1716080	45	Filtering element	
	9	80-1716050	1	Pipe	
	10	80-1716041	1	Spring	
	11	15.081-100	1	Ball	
	12	80-1716060	1	Housing	
	13	022-025-19-1-4	1	Ring	
	14	80-1716016	1	Gasket	
	15	80-1716020	1	Housing	
	16	IIII10	3	Washer	
	17	M 10x25	3	Bolt	
	18	80-1716018	1	Spring	
	19	066-071-30-1-4	1	Ring	
	20	80-1716015	1	Cover	

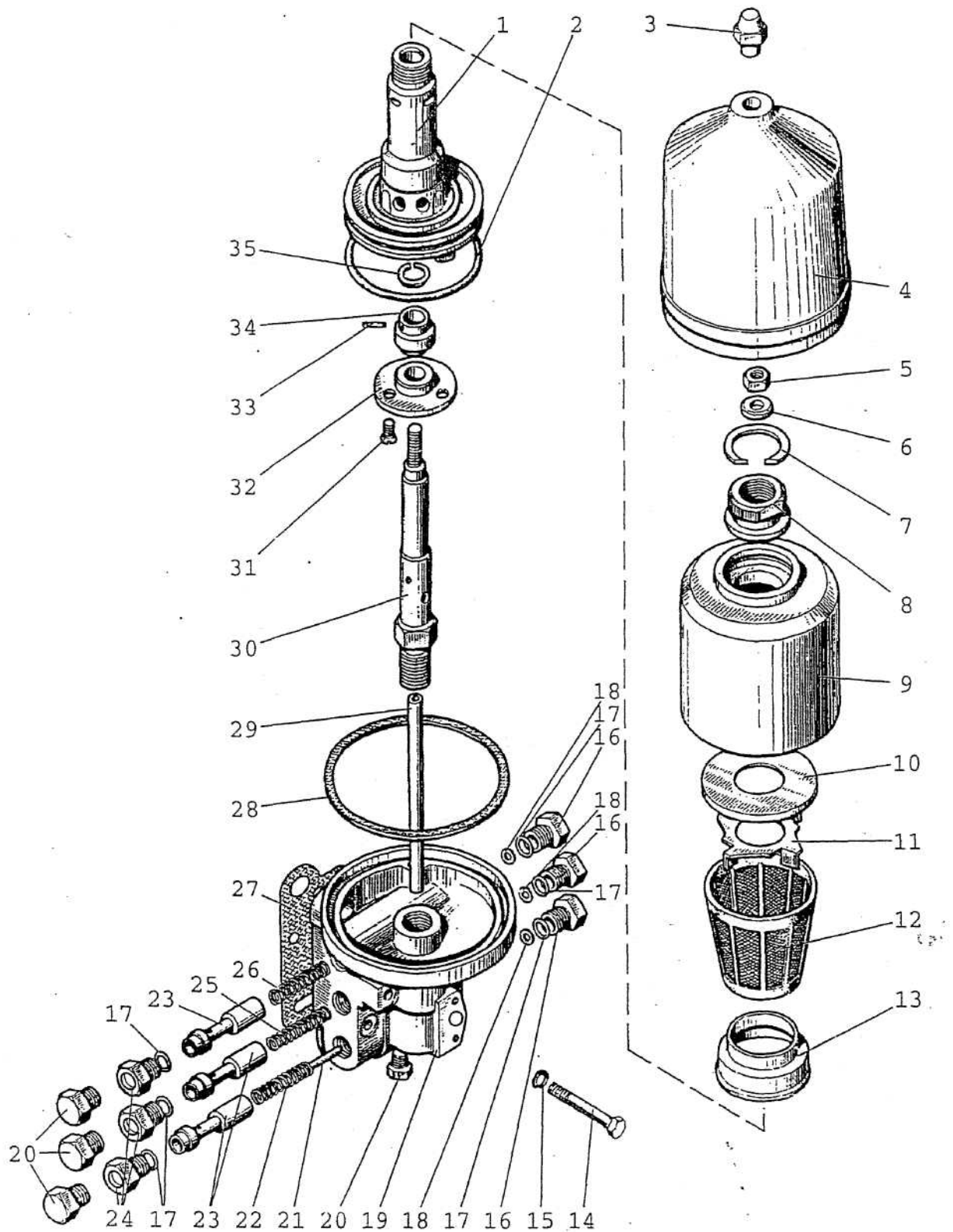


Fig. 52 Filter-distributor

Group 17

Subgroup 1737. Filter-distributor

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
52		80-1737110	1	Filter-distributor (1-13. 16-35)	
		80-1028020	1	Rotor with spindle (1,2,5-13,29-35)	
		240-1404030-A	1	Rotor sleeve (7-9)	
		80-1028080	1	Rotor spindle (29. 30, 32-35)	
	1	240-1404017-B	1	Rotor body	
	2	115-120-30-2-1	1	Ring	
	3	240-1404088	1	Cap nut	
	4	240-1404027	1	Filter cap	
	5	M12X1,25	1	Nut	
	6	Д37А-1407607-B	1	Thrust washer	
	7	240-1404033	1	Thrust ring	
	8	240-1404035-A	1	Special nut	
	9	240-1404023	1	Rotor sleeve	
	10	240-1404113	1	Cover	
	11	240-1404024	1	Rotor impeller	
	12	240-1404110	1	Filtering strainer	
	13	240-1404049	1	Inner sleeve	
	14	M10x70	4	Bolt	
	15	ШП 10	4	Washer	
	16	50-1404075	3	Valve plug	
	17	1221-1737126	6	Valve gasket	
	18	ШЧ5*	6 max	Washer	
	19	80-1737111	1	Housing	
	20	КТ 1/8"	4	Plug	
	21	6h 11x45	1	Pin	
	22	70-4801045	1	Spring	
	23	80-1737117	3	Valve	
	24	1221-1737114	3	Plug	

* on demand.

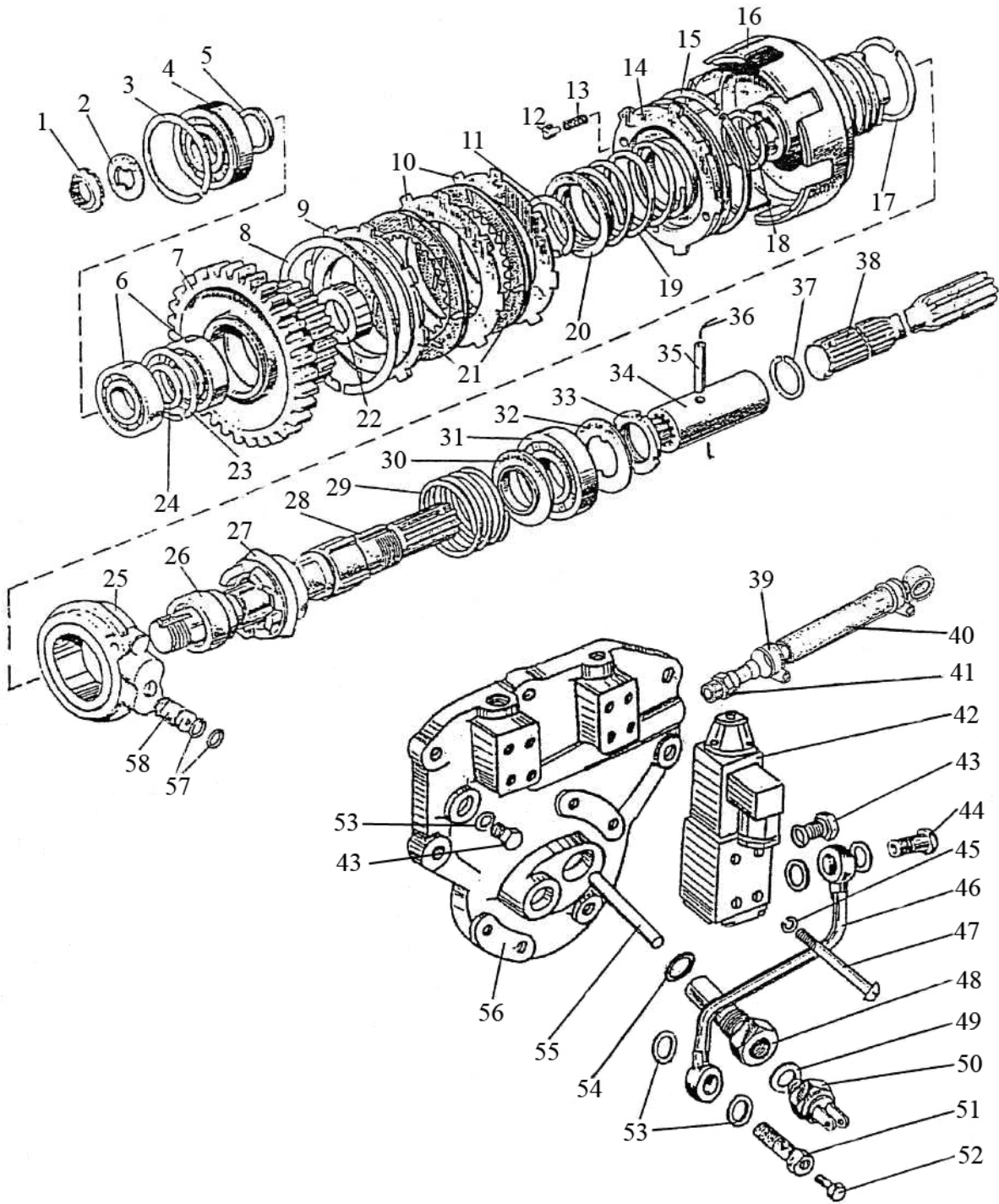


Fig. 53 Front axle drive

Group 18. Front axle drive.
Subgroup 1802. Front axle drive.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
53		1221-1802030	1	Friction clutch (1221-1802040, 8-22, 25)	
		1221-1802040	1	Gear (6, 7, 23, 24)	
		1221-1802065	1	Shaft (28, 30-36)	
		1221-1802070	1	Shaft (37, 38)	
	1	1221-1802023	1	Nut	
	2	1221-1802019	1	Washer	
	3	C72	1	Ring	
	4	6-50306K	1	Bearing	
	5	1521-1802043	1	Bushing	
	6	206A	2	Bearing	
	7	1221-1802041	1	Gear	
	8	C135	1	Ring	
	9	86-1802034	1	Thrust disk	
	10	86-1802032*	3-4	Driven disk S=1,8 mm	
		1221-1802032*	3-4	Driven disk S=2 mm	
	11	C48	1	Ring	
	12	86-1802039	2	Guide	
	13	86-1802048	2	Spring	
	14	1221-1802031	1	Piston	
	15	86-1802047	1	Ring	
	16	1221-1802036	1	Drum	
	17	86-1802083-A	2	Ring	
	18	1221-1802333	1	Ring	
	19	86-1802038	1	Spring	
	20	86-1802046	1	Sleeve	
	21	86-1802035-A	7	Driving disk	
	22	1221-1802044	1	Bushing	
	23	C62	1	Ring	
	24	86-1802049	1	Ring	
	25	1221-1802025	1	Casing	
	26	86-1802028	1	Bushing	
	27	8020-1802026	1	Half-coupling	
	28	1521-1802013	1	Shaft	
	29	86-1802027	1	Spring	
	30	86-1802051	1	Washer	
	31	207	1	Bearing	
	32	86-1802052	1	Washer	
	33	52-2308097	1	Nut	
	34	86-1802014-B	1	Bushing	

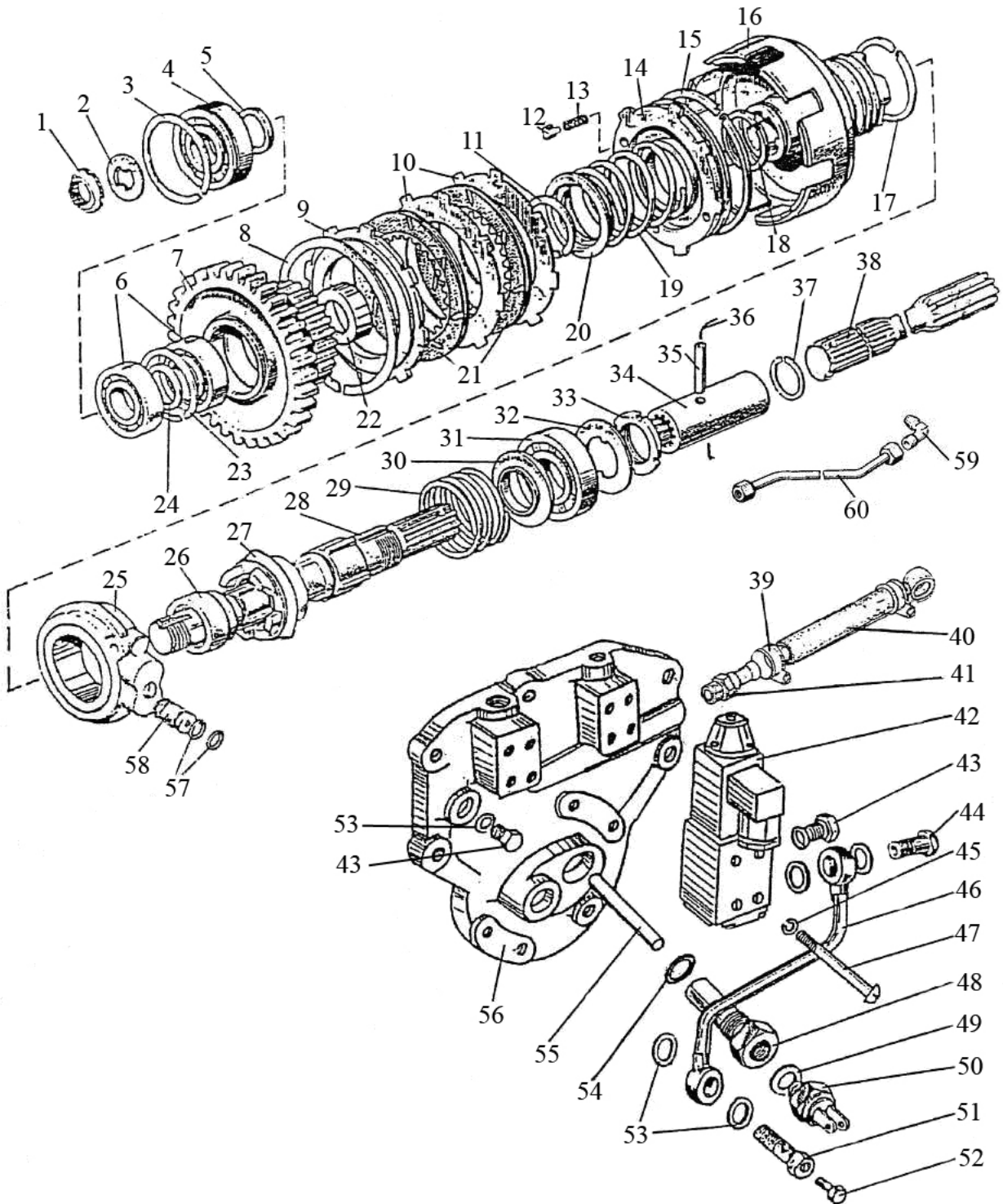


Fig. 53 Front axle drive

Group 18. Front axle drive.
Subgroup 1802. Front axle drive

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
53	35	A.8x40.65Г	1	Pin	
	36	1,6-0-C	1	Wire L=180 mm	
	37	86-1802017-B	1	Ring	
	38	1221-1802042	1	Shaft	
	39	12-20/9C6W	1	Clamp "Norma"	
	40	1221-1802060-B	1	Pipeline	
	41	85-3407470	1	Union	
	42	RH06101-012/00GA-AMP	1	Hydraulic distributor	
	43	1221-1802091	3	Threaded plug	
	44	Д18-051	1	Bolt	
	45	ШП5	8	Washer	
	46	1221-1802050	1	Pipeline	
	47	BM5x50	8	Screw	
	48	8020-1802018	1	Guide	
	49	50-1702048**	6 max	Gasket	
	50	BK 12-51	1	Switch	
	51	1520-1802088	1	Bolt	
	52	КГ 1/8"	1	Plug	
	53	Д18-055-A	7	Seal ring	
	54	019-022-19-2-2	1	Ring	
	55	8020-1802029	1	Tappet	
	56	1221-1802016	1	Cover	
	57	011-016-30-2-4	2	Ring	
	58	1221-1802054	1	Bushing	

* Matching

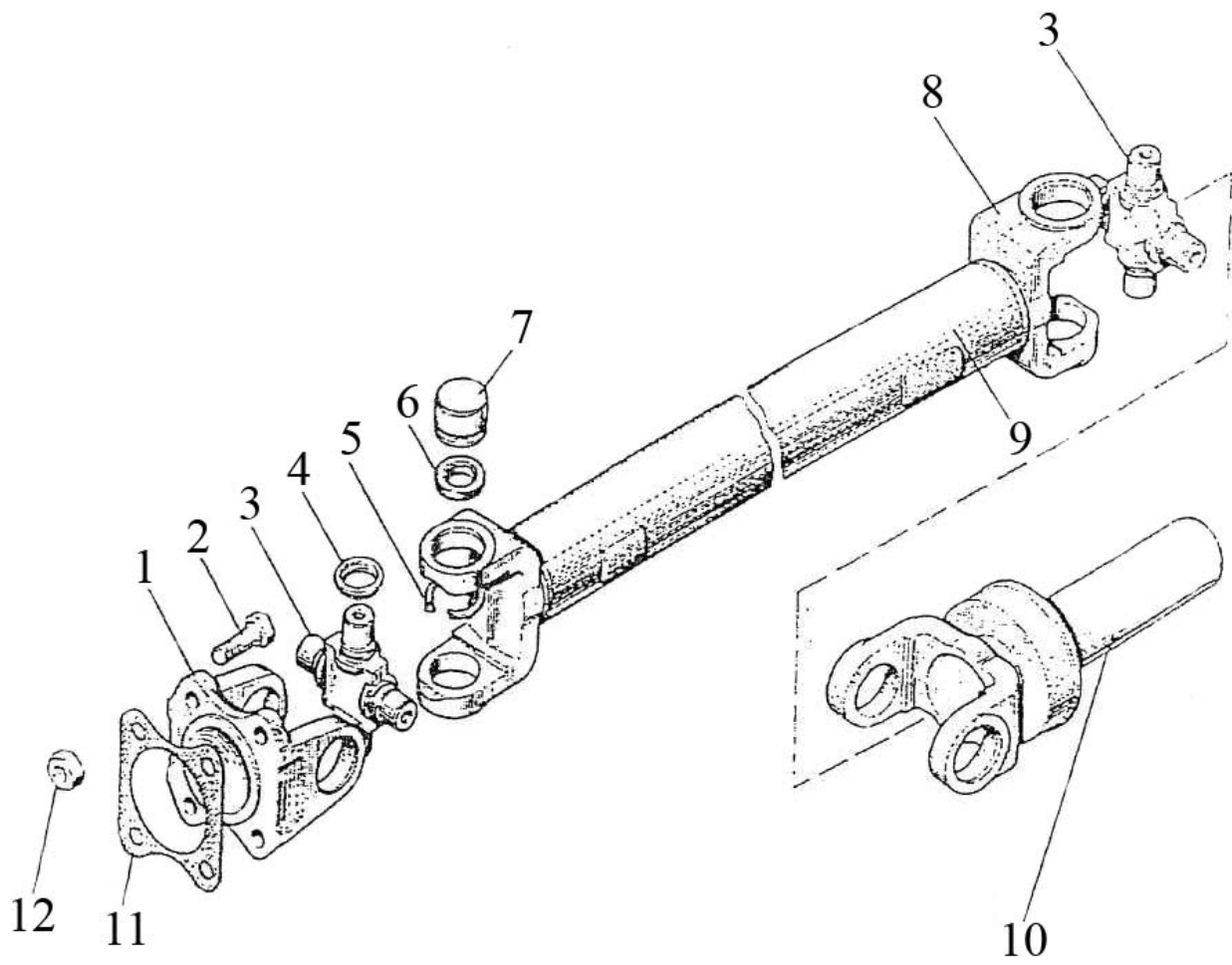


Fig. 54.1 Cardan drive

Group 22. Cardan drive
Subgroup 2203. Cardan drive

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
54.1		112-2203010	1	Cardan shaft (1,3-10)	
		72-2203025PH	1	Cross with bearings(3,4,6,7)	
	1	72-2203023	1	Flange	
	2	52-2203012	4	Bolt	
	3	72-2203030-01	2	Cross	
	4	3102-2201037	8	Buffle plate	
	5	72-2203043	8	Ring Lock	
	6	69-2201031-A	8	Collar	
	7	704702K3C10	8	Bearing	
	8	72-2203022	2	Fork	
	9	112-2203018	1	Pipe	
	10	86-2203047	1	Slide fork	
	11	20-2201024	1	Gasket	
	12	M10x1-8 DIN EN ISO 10511	4	Nut	

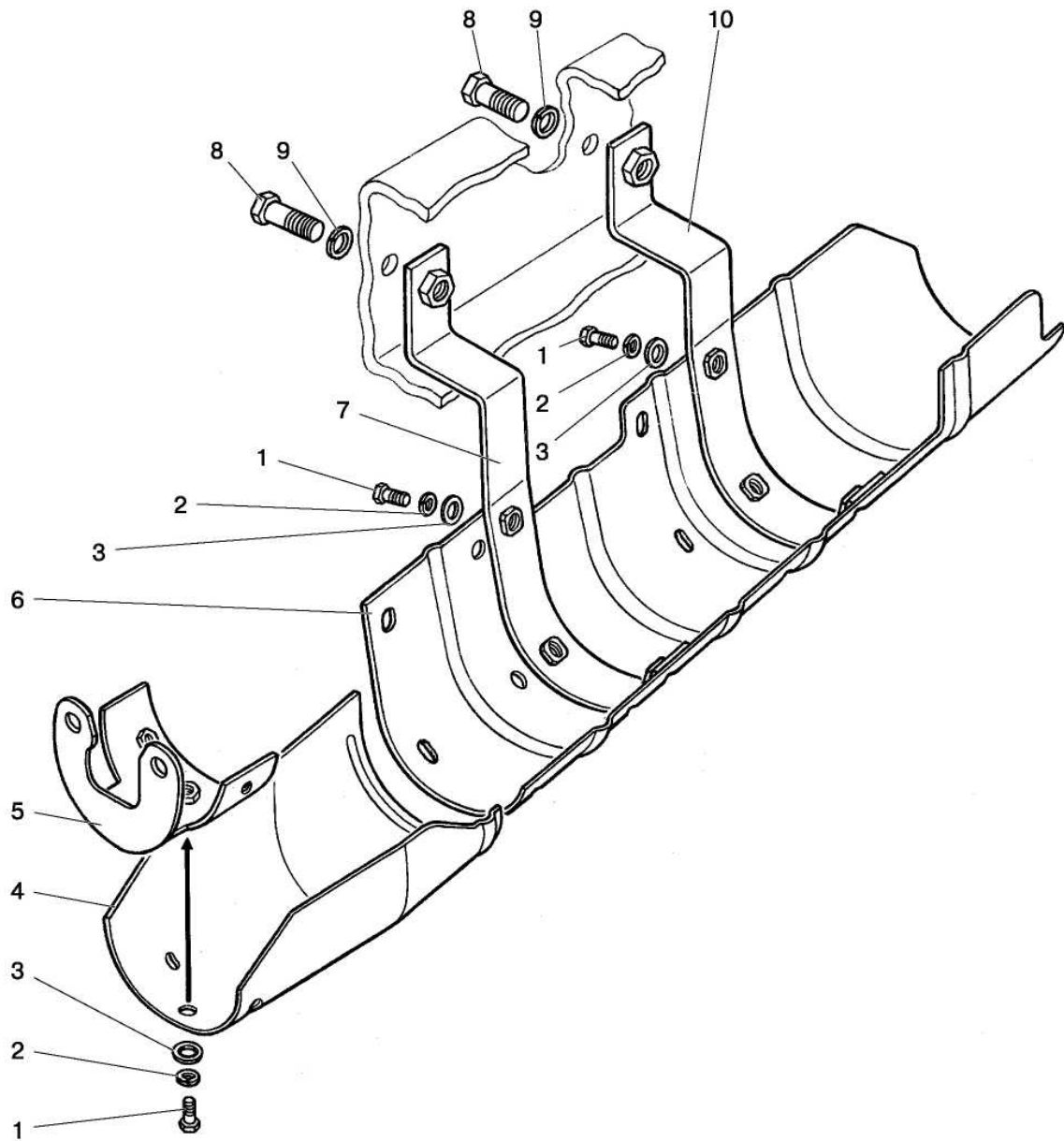


Fig. 54.2 Guard

Group 22. Cardan drive
Subgroup 2210. Guard

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
54.2	1		9	Bolt M8-6gx20.88.35.019 GOST 7796-70	
	2		9	Washer 8T OST 37.001.115-75	
	3		9	Washer S 8.01.019 GOST 11371-78	
	4	52-2210012-A	1	Casing	
	5	52-2210015	1	Bracket	
	6	1025-2210013	1	Casing	
	7	1025-2210015	1	Bracket	
	8		2	Bolt M16-6gx40.88.35.019 GOST 7796-70	
	9		2	Washer 16 OT OST 37.001.115-75	
	10	1025-2210010	1	Bracket	

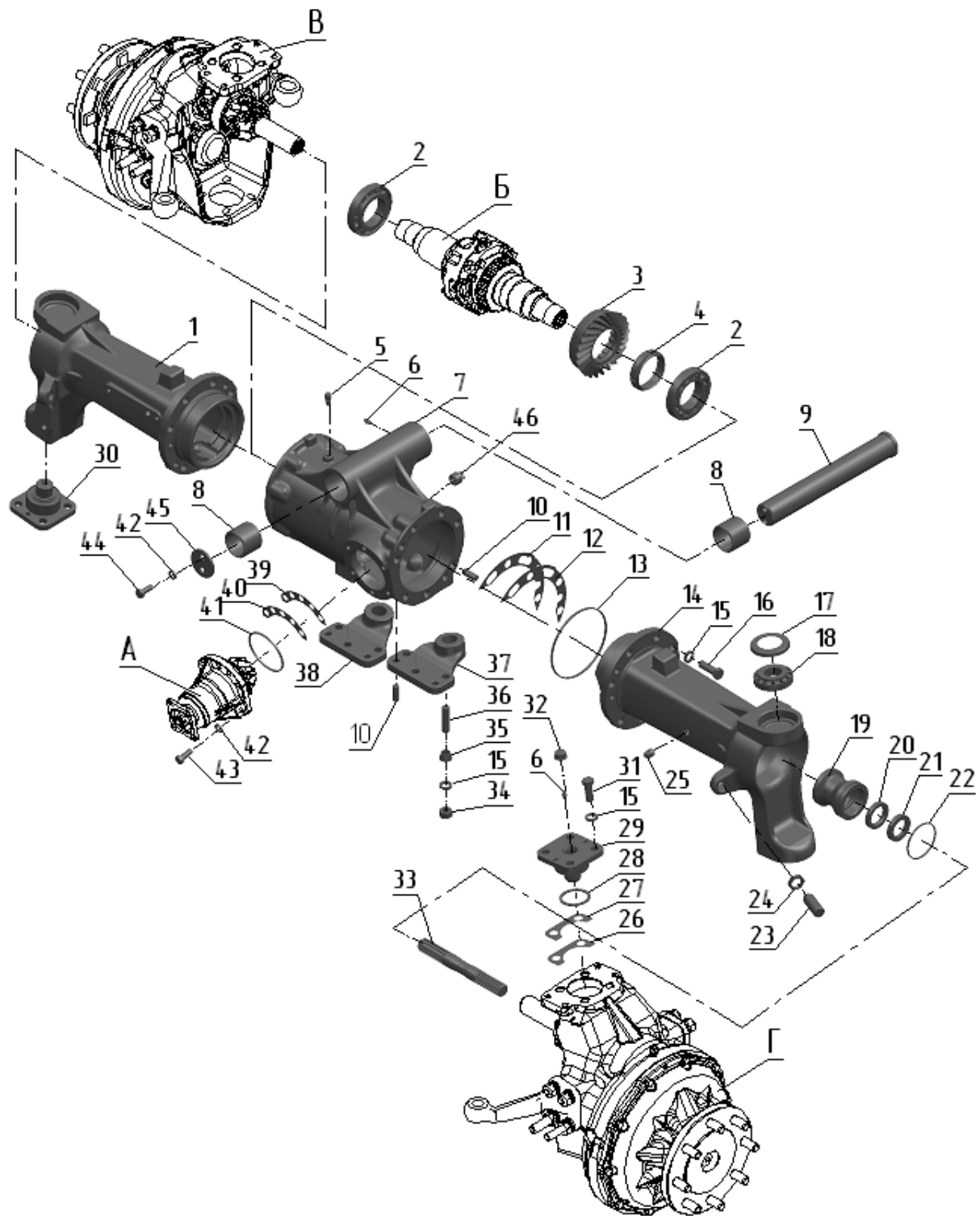


Fig. 55.1 Front driving axle

Group 23. Front driving axle

Subgroup 2300, 2302, 2303, 2308. Front driving axle.

Main gear of front driving axle. Differential. Final drive reducer of front driving axle.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
55.1		1222-2300020 1222-2300020-05	1	Assembled front driving axle	For 3BM with U=23,429 For 3BM c U= 27,336
	A	52-2302010	1	Main gear of front driving axle	See. Fig. 62.2
	B	52-2303010-B-01	1	Differential	See. Fig. 62.3
	B	822-2308005-02* 822-2308005-06**	1	Final drive left reducer of front driving axle	See. Fig. 62.4
	Г	822-2308005-03* 822-2308005-07**	1	Final drive right reducer of front driving axle	See. Fig. 62.4
	1	822-2301051-01	1	Left sleeve	
	2	263212A	2	Bearing	
	3	52-2302019	1	Gear	
	4	52-2302038-A1	1	Nut	
	5	TSS0G-1/8"	1	Breather	
	6	1.3.II9.xp	5	Oiler	
	7	1420-2301055	1	Housing	
	8	40-3001022	2	Bushing	
	9	1222-3000012	1	Pivot pin	
	10	Д01-015	8	Pin	
	11	52-2303027	16	Adjusting gasket B=0,5 mm	Max. quantity
	12	52-2303028	16	Adjusting gasket B=0,2 mm	Max. quantity
	13	150-155-36-1-4	2	Ring	
	14	822-2301053-01	1	Right sleeve	
	15	16 OT	36	Washer	
	16	M16x45	14	Bolt	
	17	1520-2308039	4	Sleeve	
	18	1027307A (31307)	4	Bearing	
	19	822-2308100	2	Casing	
	20	1.2-38x58-1	2	Collar	
	21	2.2-38x58-1	2	Collar	
	22	075-080-30-1-4	2	Ring	
	23	1520-2308009	2	Screw	
	24	85-3407113	2	Nut	
	25	ПК КГ 3/8"	2	Plug	
	26	52-2302021	6	Adjusting gasket B=0,5 mm	Max. quantity
	27	52-2302022	10	Adjusting gasket B=0,2 mm	Max. quantity
	28	055-063-46-1-4	4	Ring	
	29	1520-2308037	3	Axle	

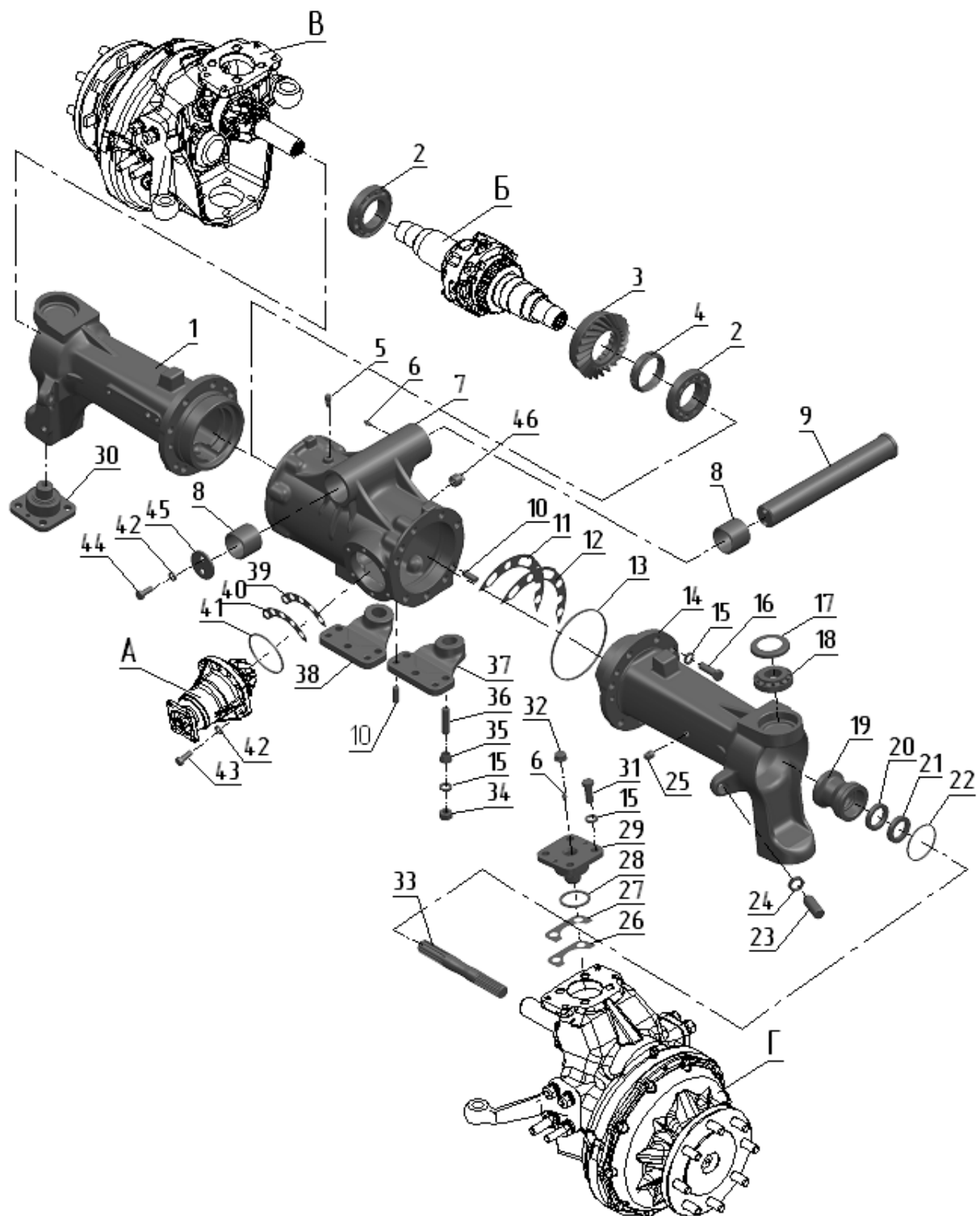


Fig. 55.1 Front driving axle

Group 23. Front driving axle

Subgroup 2300, 2302, 2303, 2308. front driving axle

Main gear of front driving axle. Differential. Final drive reducer of front driving axle.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
55.1	30	1520-2308037-01	1	Axle	
	31	M16x40	16	Bolt	
	32	85-4607447	4	Cap	
	33	822-2308065-01	2	Shaft	
	34	M16	6	Nut	
	35	1520-2308077	6	Bushing	
	36	1520-2308079	6	Stud	
	37	1222-2301021	1	Right bracket	
	38	1222-2301022	1	Left bracket	
	39	1520-2308042	8	Adjusting gasket B=0,2 mm	Max. quantity
	40	1520-2308042-01	20	Adjusting gasket B=0,5 mm	Max. quantity
	41	089-095-36-1-4	1	Ring	
	42	12 OT	8	Washer	
	43	M12x30	6	Bolt	
	44	72-2308018	2	Bolt	
	45	72-2308031	1	Washer	
	46	ПК КГ 3/4"	2	Plug	

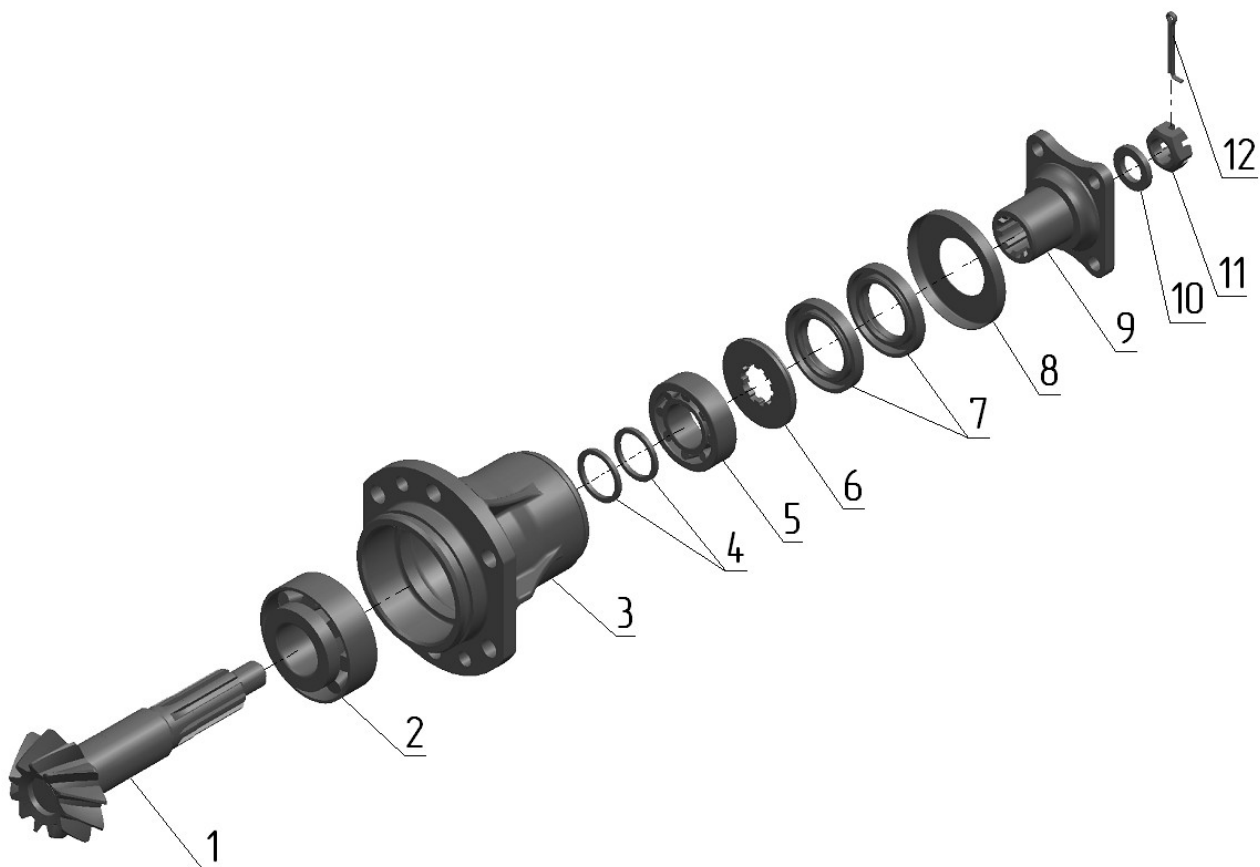


Fig. 55.2 Main gear of front driving axle (1222-2300020-05)

Group 23

Subgroup 2302. Main gear of front driving axle (1222-2300020-05)

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
55.2		52-2302010-P	1	Gears set (1-12 and 3 (Fig.62.1))	Matching
		52-2302030	1	Driven and driving gear as one set (1 and 3 (Fig.62.1))	
	1	52-2302015-A	1	Gear	
	2	7607A	1	Bearing	
	3	52-2302016-A	1	Sleeve	
	4	52-2302026	2	Adjusting washer B=2,65 mm	
		52-2302026-01	2	Adjusting washer B=2,70 mm	
		52-2302026-02	2	Adjusting washer B=2,75 mm	
		52-2302026-03	2	Adjusting washer B=2,90 mm	
		52-2302026-04	2	Adjusting washer B=3,05 mm	
		52-2302026-05	2	Adjusting washer B=3,20 mm	
		52-2302026-06	2	Adjusting washer B=3,30 mm	
		52-2302026-07	2	Adjusting washer B=3,35 mm	
		52-2302026-08	2	Adjusting washer B=3,40 mm	
	5	7506A	1	Bearing	
	6	52-23020018	1	Ring	
	7	2.2-38x62-1/4	2	Collar	
	8	82-2302031	1	Blind plug	
	9	52-1802078-A	1	Flange	
	10	52-1802079	1	Washer	
	11	70-3003032	1	Nut	
	12	4x25	1	Cotter pin	

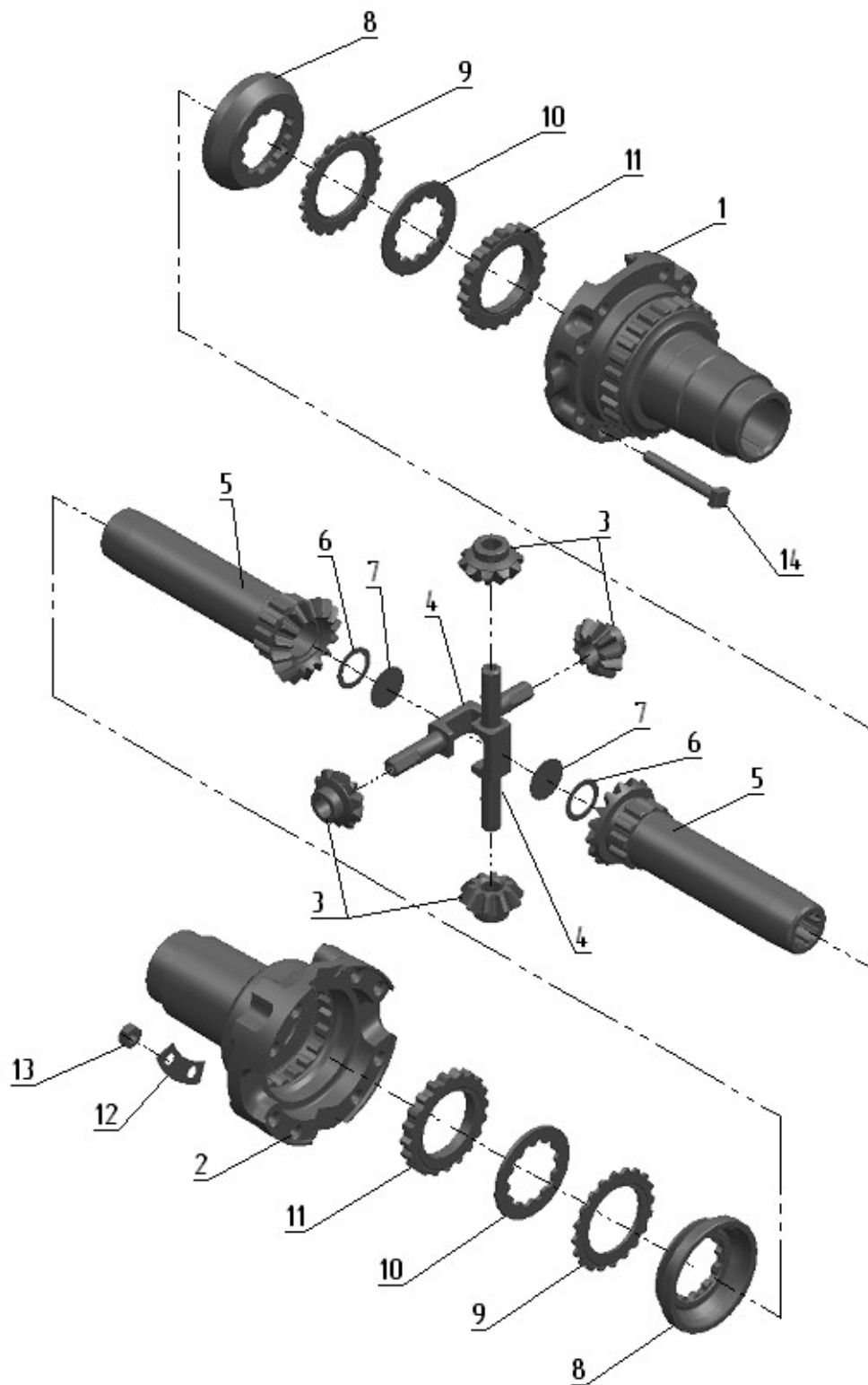


Fig. 55.3 Differential

Group 23

Subgroup 2303. Differential

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
55.3		52-2303010-B-01	1	Differential (1-14)	
		52-2303030	2	Gear (5-7)	
	1	52-2303014-B	1	Box	
	2	52-2303015-B	1	Box	
	3	52-2303018	4	Satellite gear	
	4	52-2303019	2	Axle	
	5	52-2303017	2	Gear	
	6	52-2303034	2	Gasket	
	7	35-10	2	Blind plug	
	8	52-2303021	2	Cup	
	9	52-2303023-A1-01	2	Disk	
	10	52-2303024-01	2	Disk	
	11	52-2303023-A1	2	Disk	
	12	52-2303032	4	Plate	
	13	52-2303013	8	Nut	
	14	52-2303026-B	8	Bolt	

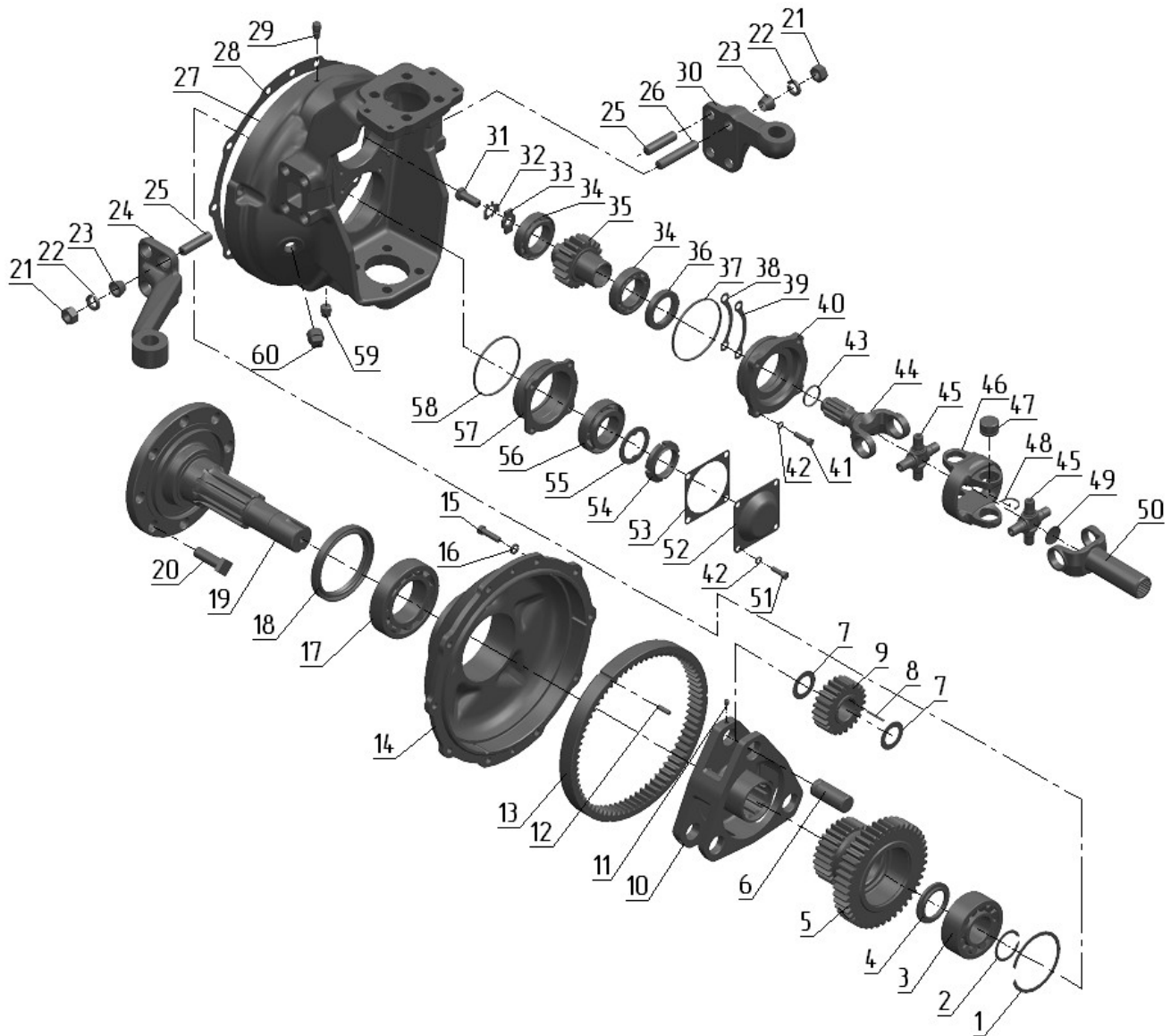


Fig. 56 Final drive reducer of front driving axle (1222-2300020-05)

Group 23

Subgroup 2308. Final drive reducer of front driving axle (1222-2300020-05)

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
56		822-2308005-02*	1	Left reducer (1-60)	
		822-2308005-06**	1	Left reducer (1-60)	
		822-2308005-03*	1	Right reducer (1-60)	
		822-2308005-07**	1	Right reducer (1-60)	
		1520-2308024-05**	2	Twin hinge (43-50)	
		1520-2308040-20	2	Housing (27,29,31-50)	
		1520-2308040*	2	Housing (27,29,31-50)	
		1520-2308080	2	Sleeve (36,37,40)	
		1521-2308020	2	Cover (12-14)	
		1521-2308030	2	Carrier (6-11)	
		1521-2308050*	2	Hub (1-20)	
		1521-2308050-05**	2	Hub (1-20)	
	1	2C100	2	Ring	
	2	C45	2	Ring	
	3	53609	2	Bearing	
	4	1520-2308038	2	Ring	
	5	1520-2308062*	2	Gears set	Z=44
		1520-2308062-05**	2	Gears set	Z=40
	6	1520-2308053	6	Axle	
	7	1520-2308054	12	Washer	
	8	4x34,8A3	156	Roller	
	9	1520-2308059	6	Satellite gear	
	10	1521-2308056	2	Carrier	
	11	1520-2308011	6	Screw	
	12	2.8x25	6	Pin	
	13	1520-2308064	2	Gear	
	14	1521-2308016	2	Cover	
	15	M10x35	20	Bolt	
	16	10 OT	20	Washer	
	17	7514A	2	Bearing	
	18	2.2-100x125-1	2	Collar	
	19	1521-2308017-01	2	Flange	
	20	40-3103016	16	Front wheel bolt	
	21	M16	16	Nut	
	22	16 OT	16	Washer	
	23	1520-2308077	12	Bushing	
	24	1520-2308074	1	Left lever	
		1520-2308074-01	1	Right lever	

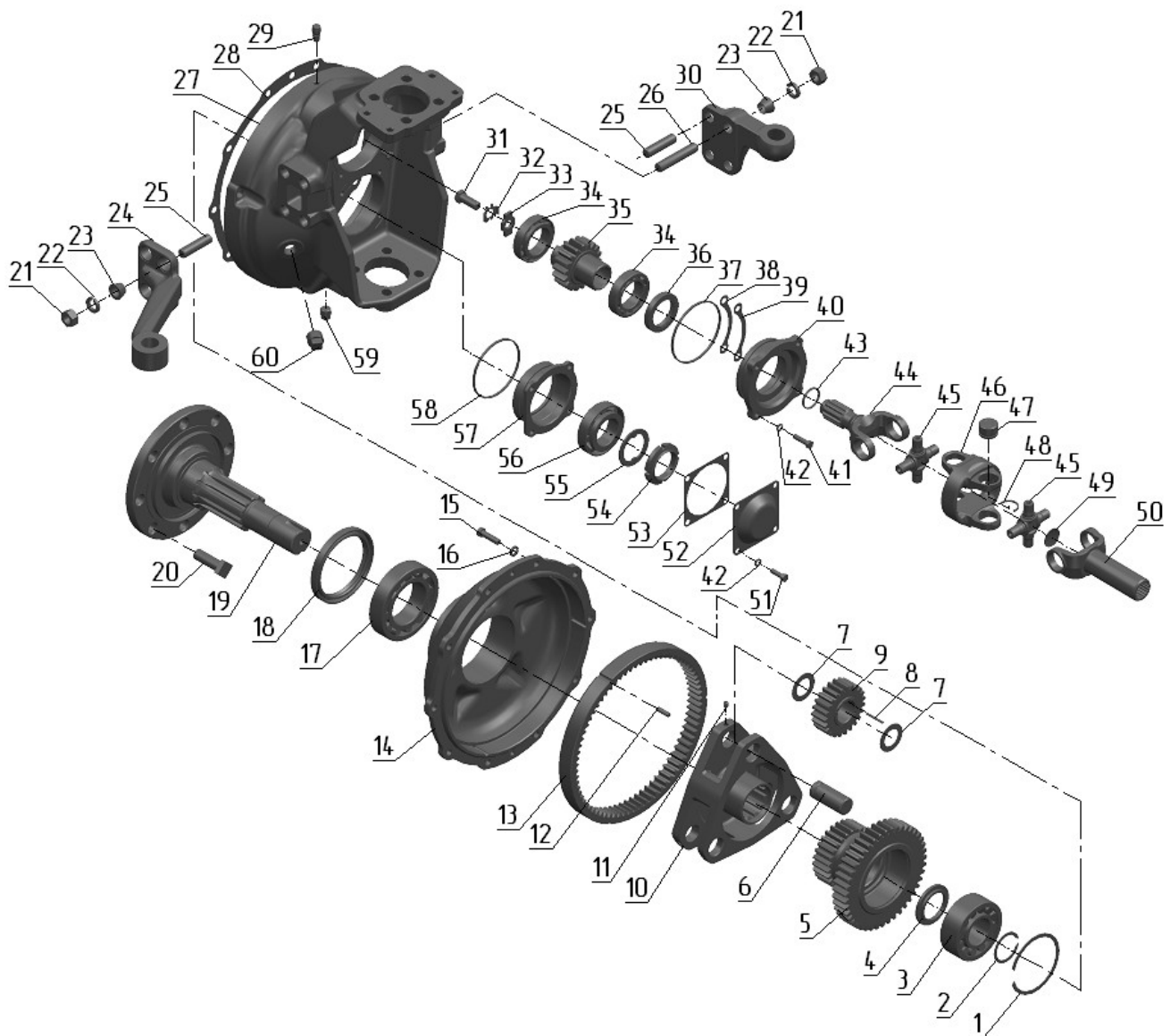


Fig. 56 Final drive reducer of front driving axle

Group 23

**Subgroup 2308. Final drive reducer of front driving axle
(1222-2300020-05)**

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
56	25	1520-2308079	12	Stud	
	26	1520-2308079-01	4	Stud	
	27	1520-2308015	2	Housing	
	28	1520-2308034	2	Gasket	
	29	TSSOG-1/8"	2	Breather	
	30	1222-2308076	1	Right bracket	
		1222-2308077	1	Left bracket	
	31	1521-2308012	2	Bolt	
	32	1521-2308031	2	Locking plate	
	33	1521-2308013	2	Washer	
	34	2007109	4	Bearing	
	35	1520-2308061*	2	Gear	Z=14
		1520-2308061-05**	2	Gear	Z=17
	36	2.2-45x65-1	2	Collar	
	37	100-105-30-2-4	2	Ring	
	38	1520-2308021	20	Adjusting gasket	Max. quantity
	39	1520-2308021-01	8	Adjusting gasket	Max. quantity
	40	1520-2308035	2	Sleeve	
	41	M8x30	8	Bolt	
	42	8T	16	Washer	
	43	032-036-25-2-4	2	Ring	
	44	1520-2308063-10	2	Fork	
	45	72-2203026-11	4	Cross	
	46	15.22.01.013-10	2	Twin hinge fork	
	47	704702K3C10	16	Bearing	
		24-2201043-01	16	Lock ring	Max. quantity
	48	24-2201043-10	16	Lock ring	Max. quantity
		24-2201043-20	16	Lock ring	Max. quantity
		24-2201043-30	16	Lock ring	Max. quantity
	49	32	2	Blind plug	
	50	1520-2308048	2	Fork	
	51	M8x25	8	Bolt	
	52	1520-2308004	2	Cover	
	53	1520-2308003	2	Gasket	
	54	80-1701045	2	Nut	
	55	80-1701056	2	Washer	
	56	7509A	2	Bearing	
	57	1520-2308002	2	Sleeve	
	58	095-100-30-1-4	2	Ring	

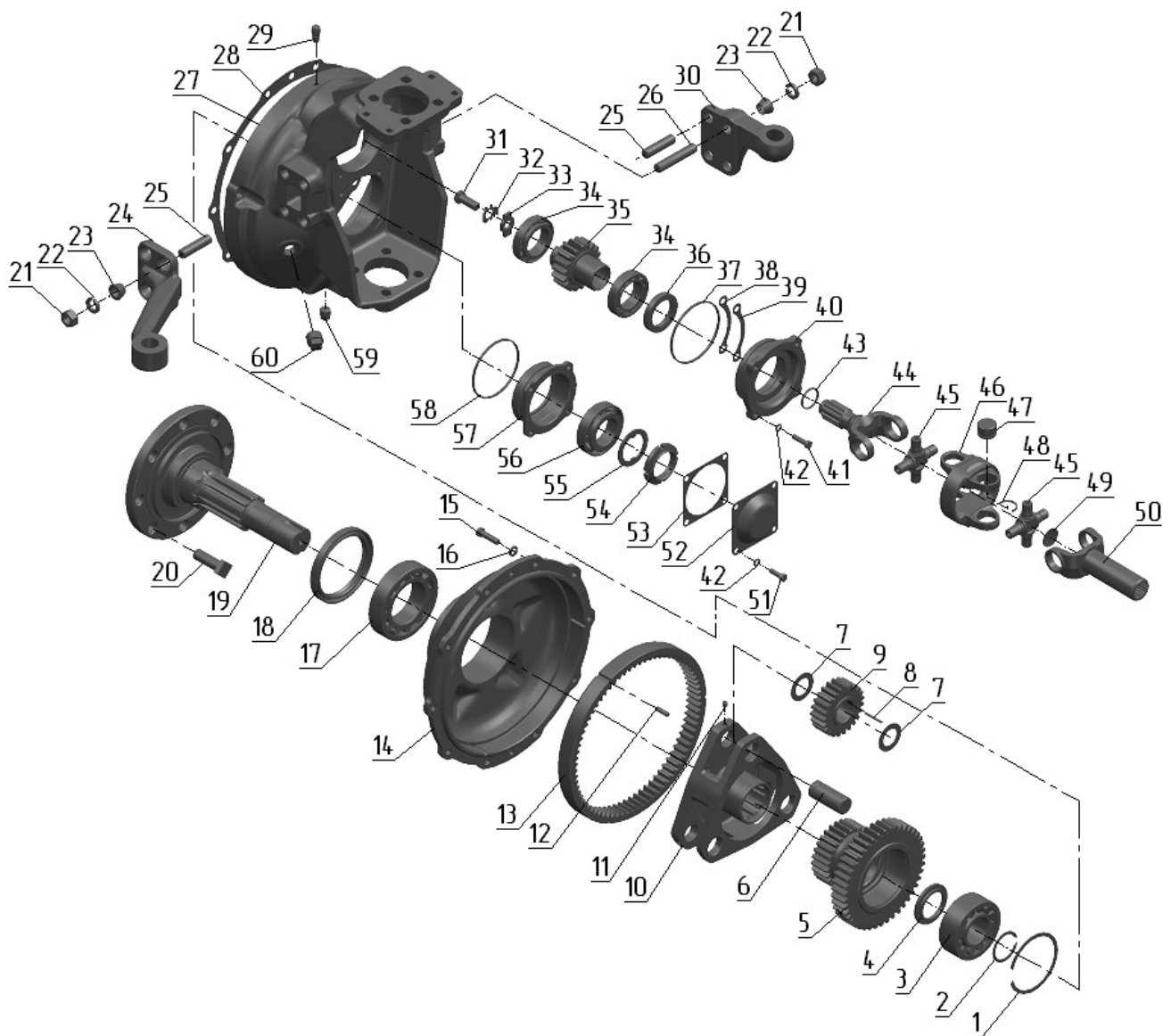


Fig. 56 Final drive reducer of front driving axle

Group 23

**Subgroup 2308. Final drive reducer of front driving axle
(1222-2300020-05)**

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
56	59	ПК КГ 3/8"	2	Plug	
	60	ПК КГ 3/4"	2	Plug	

* For FDA 1222-2300020

** For FDA 1222-2300020-05

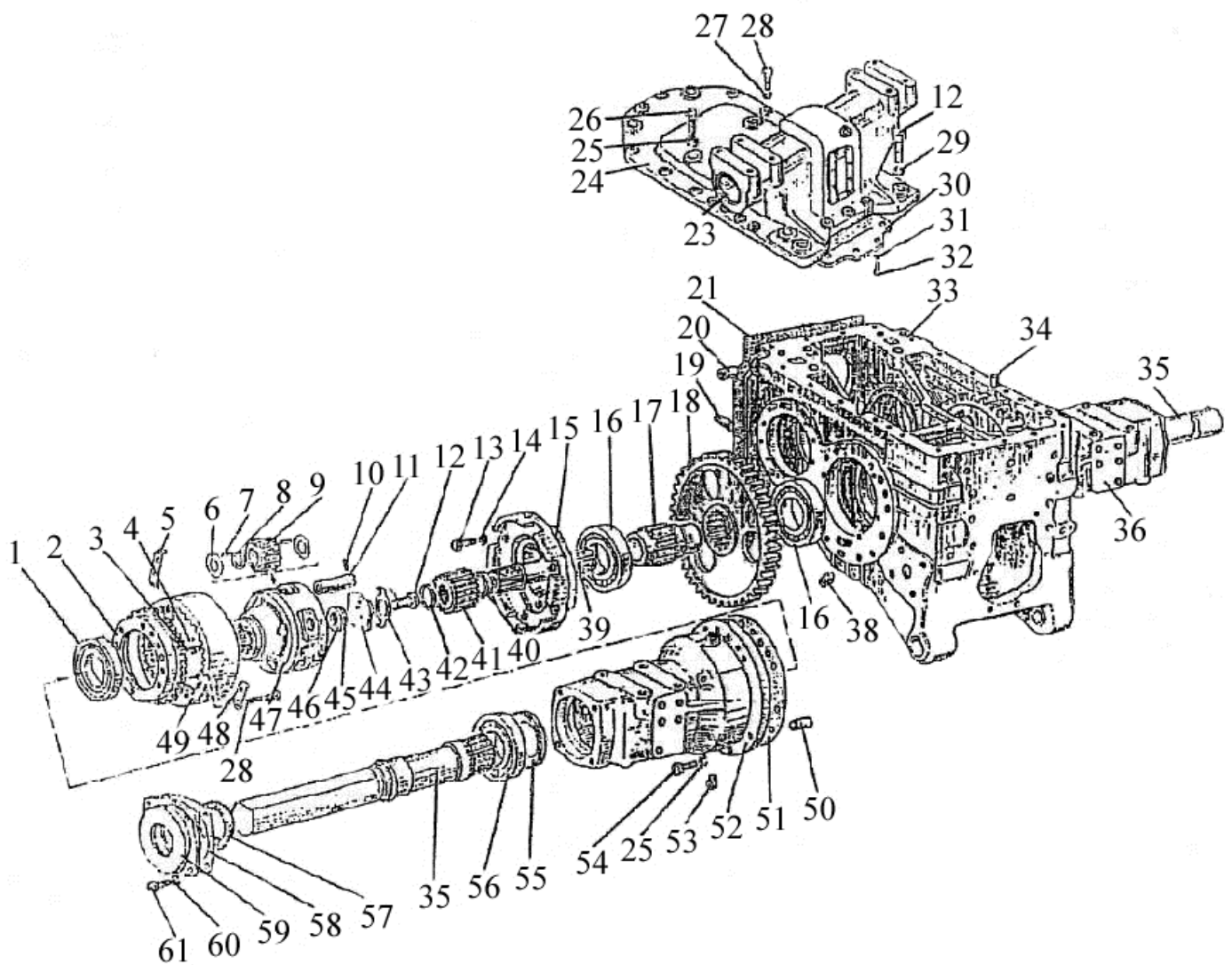


Fig. 57 Rear axle housing. Final drive.

Group 24. Rear axle

Subgroup 2401, 2407. Rear axle housing. Final drive.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
57		1522-2401010*	1	Rear axle	
		1523M-2401010**	1	Rear axle	
		1222-2401010***	1	Rear axle	
		1222M-2401010****	1	Rear axle	
		1522-2401015	1	Rear axle housing (19, 20, 33)	
		1221-2407540	2	Driving gear (39-42)	
		1221-2407130	2	Sleeve (15,16)	
		1221-2407535-A1	2	Carrier (6-11,47)	
		1522-2407500	1	Left final drive (1-5, 12, 35,43-46, 48-50, 53, 56-61)	For series 1523
		1522-2407500	1	Left final drive (1-5, 12, 35,43-46,48-50,53,56-61)	For series 1222
		1522-2407500-01	1	Right final drive (1-5, 13,35,43-46,48-50,53,56-61)	For series 1523
		1522-2407500-01	1	Right final drive (1-5, 13,35,43-46,48-50,53,56-61)	For series 1222
		1221-2407030	2	Cover (58, 59)	
		1522-2401030	1	Cover (23, 24,30-32)	
	1	7217A	2	Bearing	
	2	1221-2407502-B	2	Epicycle hub	
	3	1221-2497512	4	Pin	
	4	54.38.619	4	Ring	
	5	1221-2407503-A	4	Plate	
	6	1221-2407538	16	Washer of satellite gear	
	7	5x27,8A3	368	Roller	
	8	1221-2407539	8	Washer space	
	9	5336-2405035-A	8	Satellite gear	
	10	8x45	8	Pin	
	11	1221-2407556-A	8	Shaft	
	12	1221-2407511	2	Bolt	
	13	M12x35	12	Bolt	
	14	IIIП12	12	Washer	
	15	1221-2407131	2	Sleeve	
	16	217K5	4	Bearing	
	17	1221-2407123	2	Bushing	
	18	1522-2407122	2	Driven gear	For series 1523
		1221-2407122	2	Driven gear	For series 1222
	19	50-4605027	1	Pin	
	20	36-3502037-A	2	Bushing	
	21	1522-2401016	2	Gasket	
	23	1522-4605007	2	Bushing	

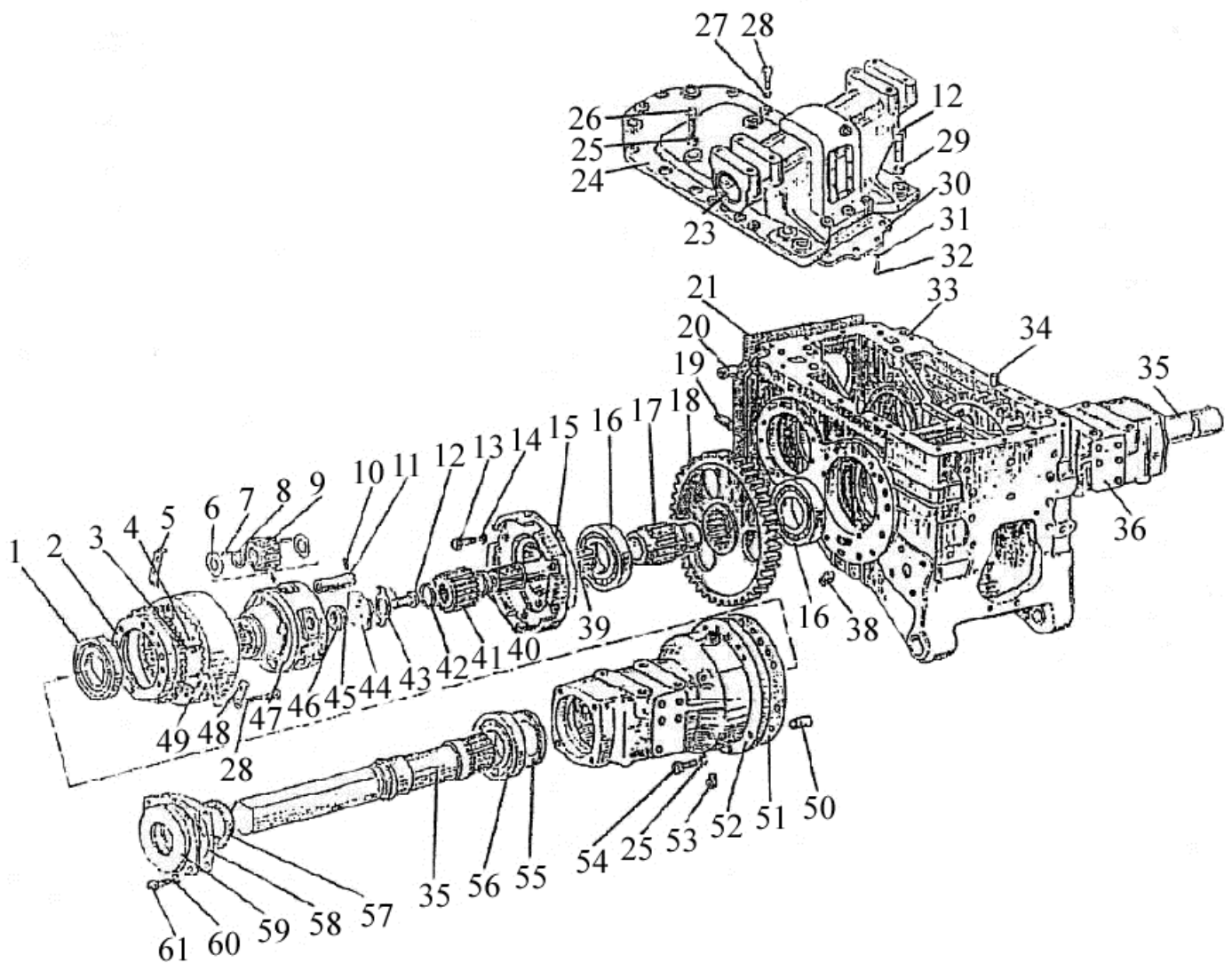


Fig. 57 Rear axle housing. Final drive.

Group 24. Rear axle

Subgroup 2401,2407. Rear axle housing. Final drive

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
57	24	1522-2401024	1	Cover	
	25	III16	28	Washer	
	26	M16x80	4	Bolt	
	27	III14	41	Washer	
	28	1221-2407505	41	Bolt	
	29	III20	4	Washer	
	30	1522-2401026	1	Cover	
	31	III8	8	Washer	
	32	M8x20	8	Bolt	
	33	1522-2401015	1	Housing	
	34	Д01-015	2	Pin	
	35	1221-2407082	2	Half-axle	
	36	1522-2407018-01	1	Right half-axle sleeve	
	38	70-1701300	1	Magnetic plug	
	39	1221-2407541	2	Shaft	
	40	1221-2407542	2	Bushing	
	41	5336-2405028-A	2	Driving gear	
	42	2C55	2	Ring	
	43	1221-2407507	2	Washer	
	44	1221-2407537	2	Washer	
	45	1221-2407506	2-10	Gasket 0,5 mm	
	46	1221-2407506-01	2-10	Gasket 0,2 mm	
	47	1221-2407536-B	2	Carrier	
	48	1221-2407504	8	Plate	
	49	5336-2405050-A	2	Driven gear	
	50	1221-2407508-01	4	Pin	
	51	1221-2407552	2	Gasket	
	52	1522-2407018	1	Left half-axle sleeve	
	53	КТ 1/5"	2	Plug	
	54	M16x60	24	Bolt	
	55	142-2407091	2	Ring	
	56	7218A	2	Bearing	

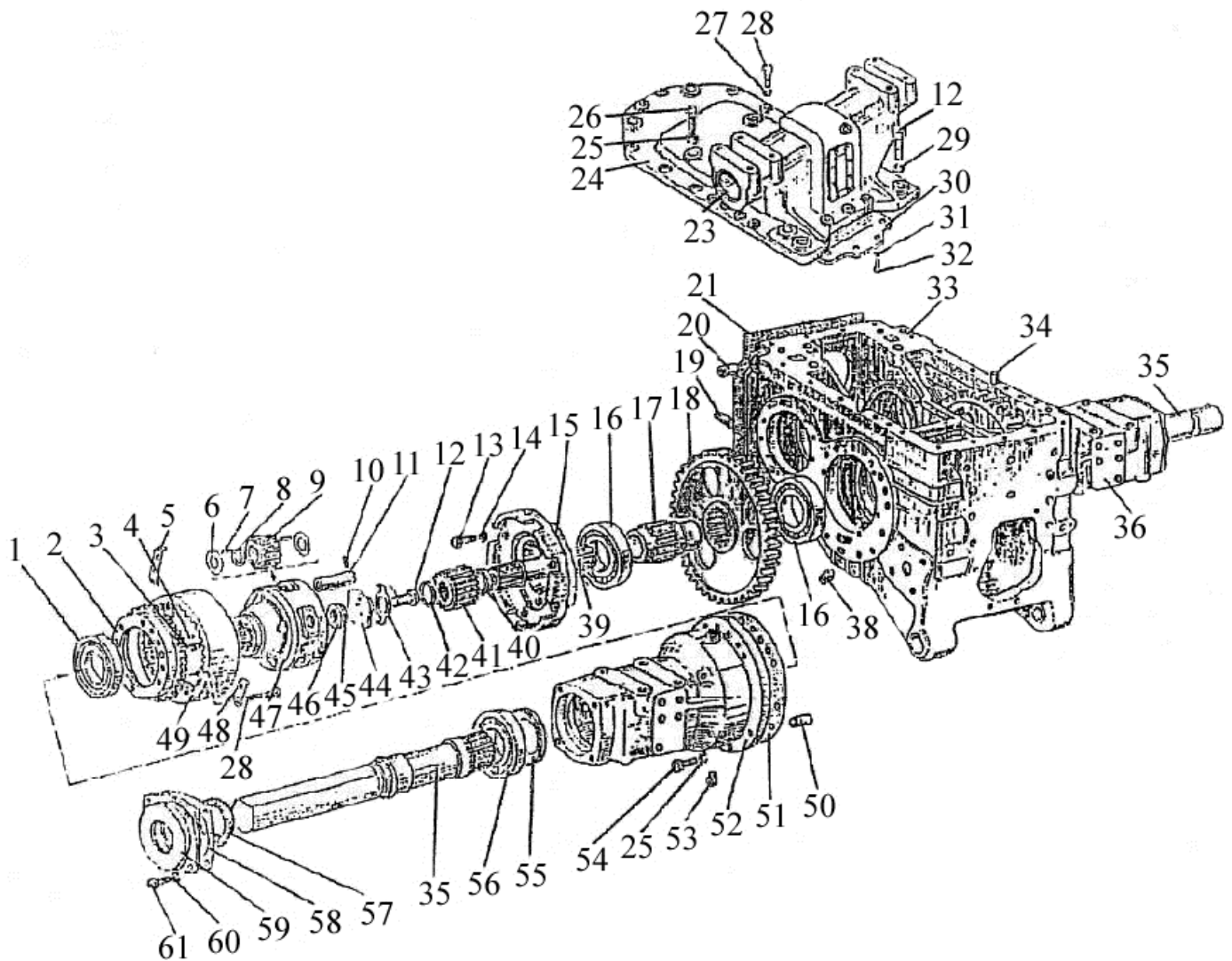


Fig. 57 Rear axle housing. Final drive.

Group 24. Rear axle.

Subgroup 2401, 2407. Rear axle housing. Final drive.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
57	57	22-90x120-1	2	Collar	
	58	1221-2407089	2	Gasket	
	59	1221-2407028	2	Cover	
	60	IIIП10	8	Washer	
	61	M10x25	8	Bolt	

- * For series 1523 with dry brakes
- ** For series 1523 with “wet” brakes
- ** For series 1222 with dry brakes
- **** For series 1222 with “wet” brakes

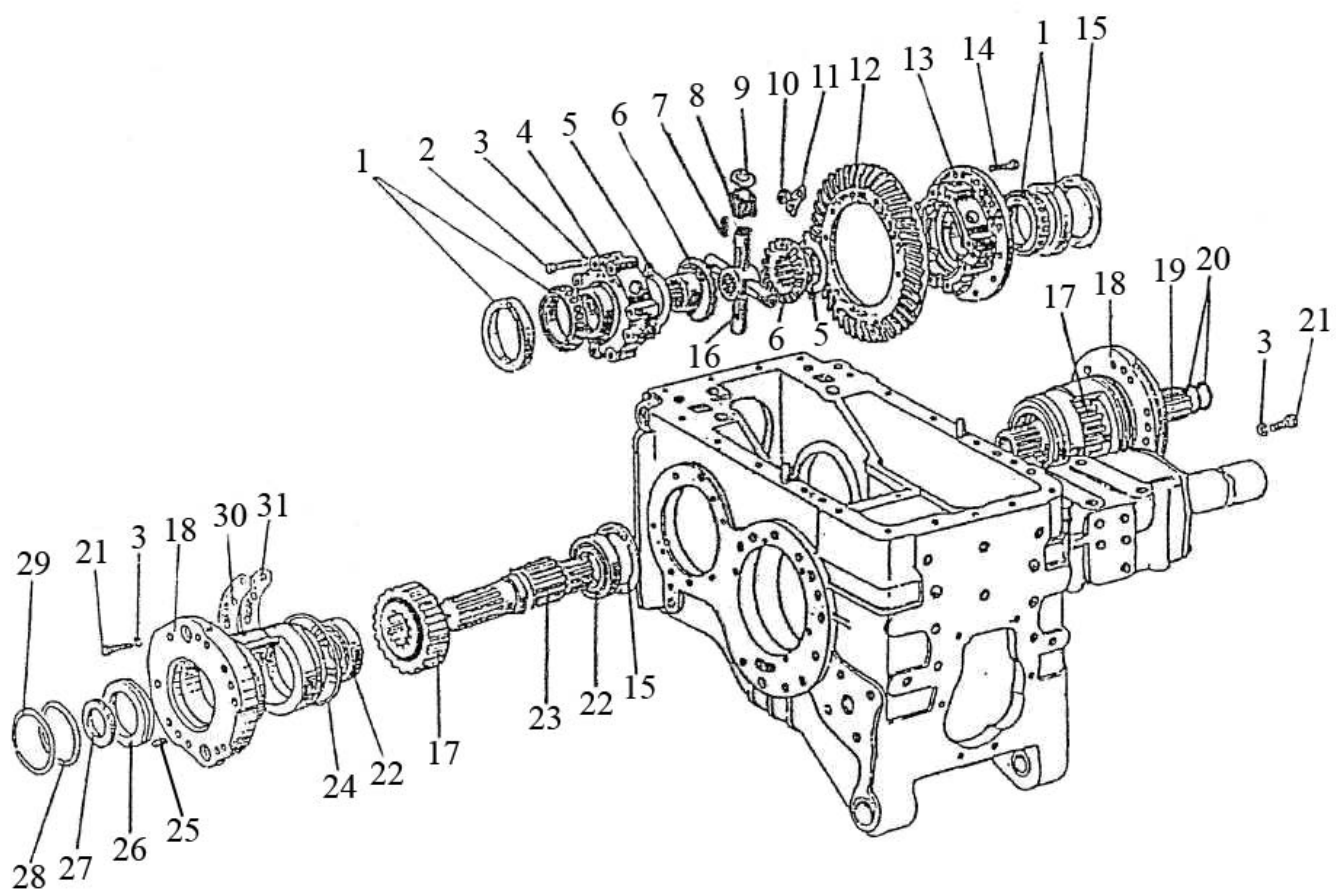


Fig. 58 Differential. Bearings body.

Group 24. Rear axle.

Subgroup 2403, 2407. Differential. Bearings body.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
58		1522-2403010-A	1	Differential (1-10, 11-14)	
		1522-2403015-02	1	Differential housing (2, 4, 14)	
		1522-2407060***	1	Left sleeve (15, 17, 18, 22-24, 26-29)	
		1521-2407060***	1	Right sleeve (15, 17-20, 22-24, 26-29)	
		1222-2407040****	1	Left sleeve	
		1221-2407060-02****	1	Right sleeve	
		1522-2403014*	1	Main drive gears set	
		1522-2403014-01**	1	Main drive gears set	
	1	7216A	2	Bearing	
	2	50-2403034-A	8	Bolt	
	3	ШП12	8	Washer	
	4	1522-2403019	1	Cover	
	5	1220-2403049	2	Support washer	
	6	1522-2403048	2	Half-axle gear	
	7	4x29,8 A2	100	Roller	
	8	1522-2403057-B	4	Satellite gear	
	9	1522-2403025-B	4	Washer of satellite gear	
	10	M12	12	Nut	
	11	50-2403023	6	Locking plate	
	12	50-2403021-B	1	Driven gear	
	13	1522-2403018	1	Housing	
	14	50-1702092	12	Template bolt M12x42	
	15	1221-2407043	2	Ring	
	16	1522-2403062-B	1	Cross	
	17	1522-2407052***	2	Gear	
		1222-2407052****	2	Gear	
	18	1221-2407042	2	Bearings body	
	19	1521-2407053	1	Shaft	
	20	035-040-30-1-4	2	Ring	
	21	M12x35	4	Bolt	
	22	6-311AIII1	4	Bearing	
	23	1522-2407053	1	Shaft	
	24	205-210-36-1-4	2	Ring	
	25	50-1601352	4	Pin	
	26	1221-2407081	2	Casing	
	27	2.2-52x75-1	2	Collar	
	28	115-120-30-1-4	2	Ring	

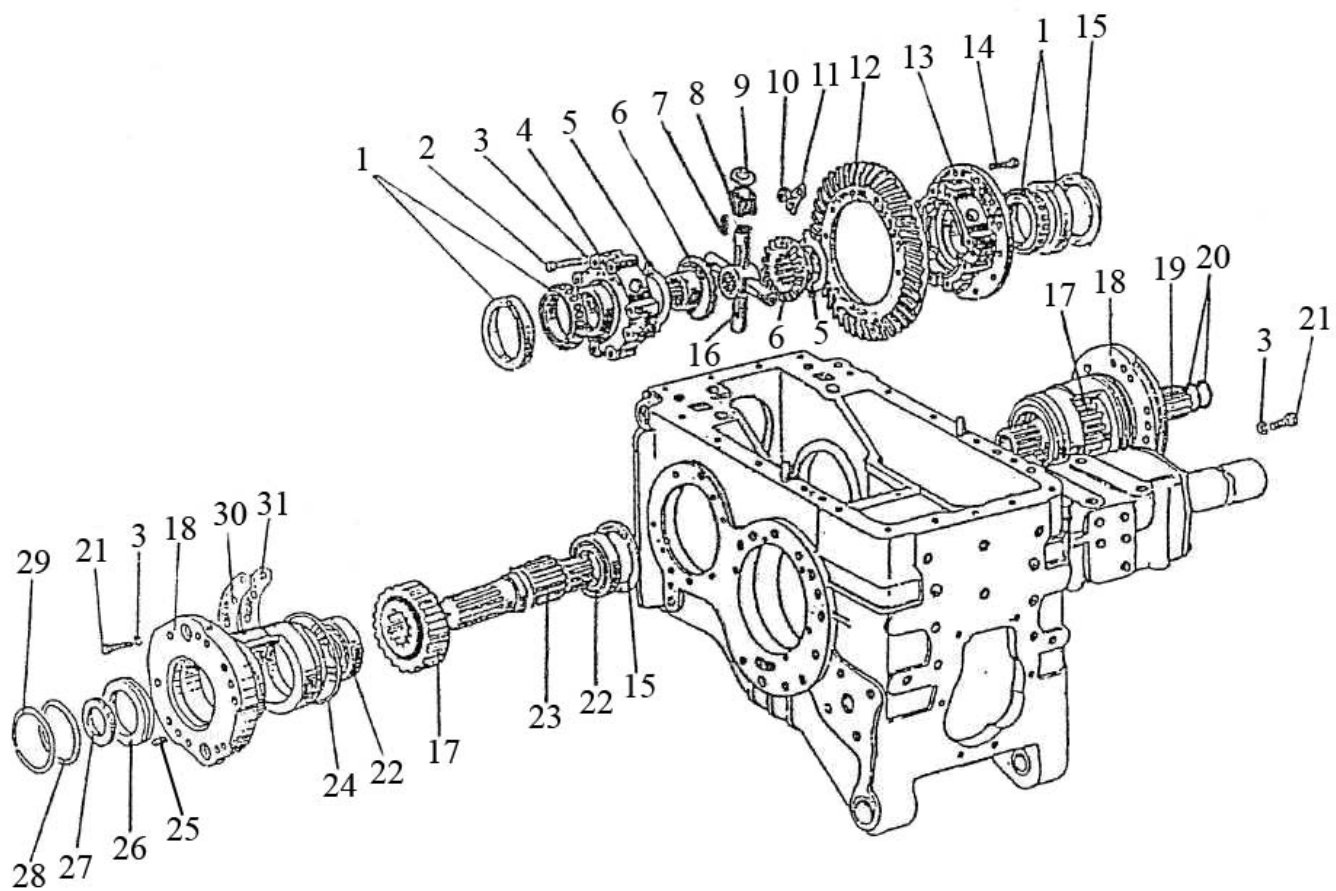


Fig. 58 Differential. Bearings body.

Group 24. Rear axle.

Subgroup 2403, 2407. Differential. Bearings body.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
58	29	C125	2	Ring	
	30	1221-2407056	1-8	Gasket 0,5 mm	
	31	1221-2407057	1-20	Gasket 0,2 mm	

* Consists of parts (1522-1701252; 50-2403021-Б) For tractors with GB 16x8

** Consists of parts. (1222-1701252; 50-2403021-Б) For tractors with GB 24x12

*** For series 1523

**** For series 1222

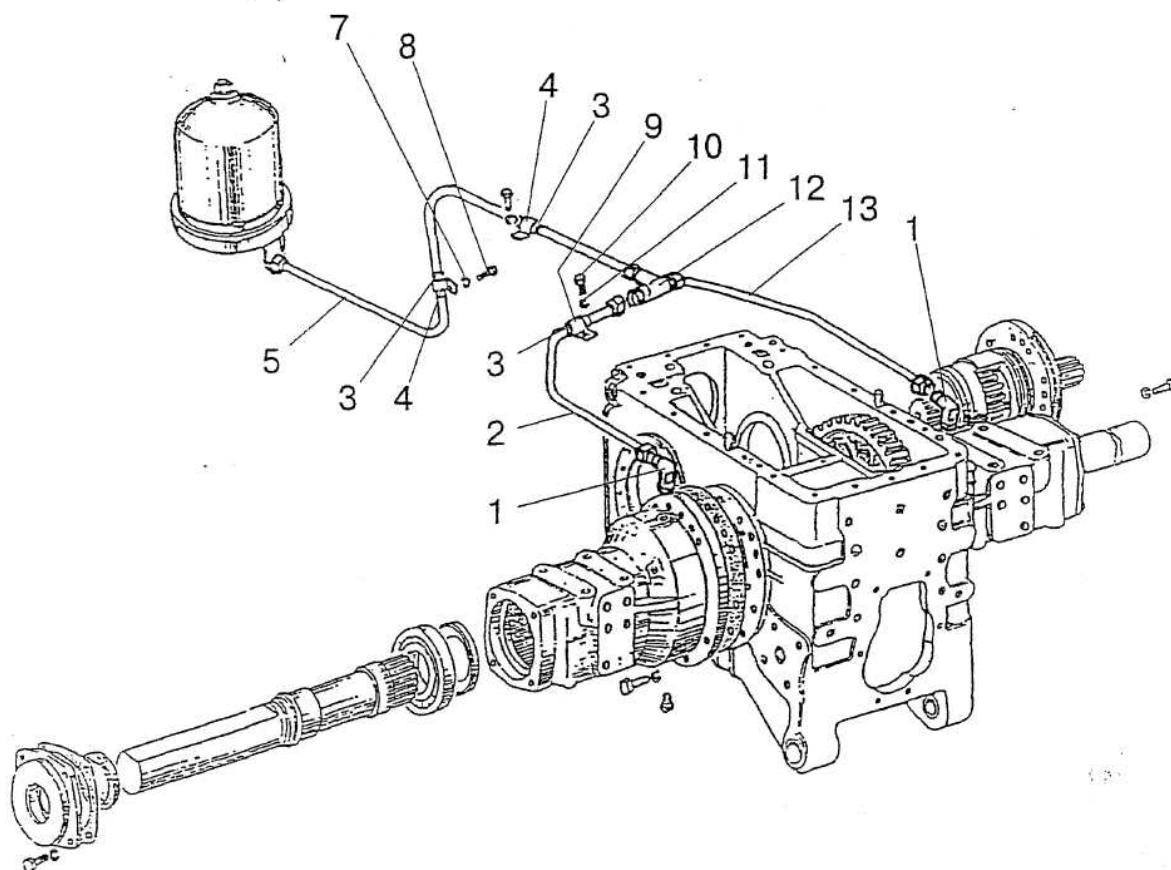


Fig. 59 Final drive (lubrication)

Group 24

Subgroup 2401. Final drive (lubrication).

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
59	1	86-1802088	2	Elbow	
	2	1522-2407330	1	Oil pipeline	
	3	1522-2407317	3	Pipe	
	4	70-4802046	2	Clamp	
	5	1522-2407310	1	Oil pipeline	
	7	III 10	1	Washer	
	8	M10x20	1	Bolt	
	9	70-4802043	1	Cramp iron	
	10	M12x25	1	Bolt	
	11	III 12	1	Washer	
	12	1221-2407288-02	1	T-piece	
	13	1522-2407320	1	Oil pipeline	

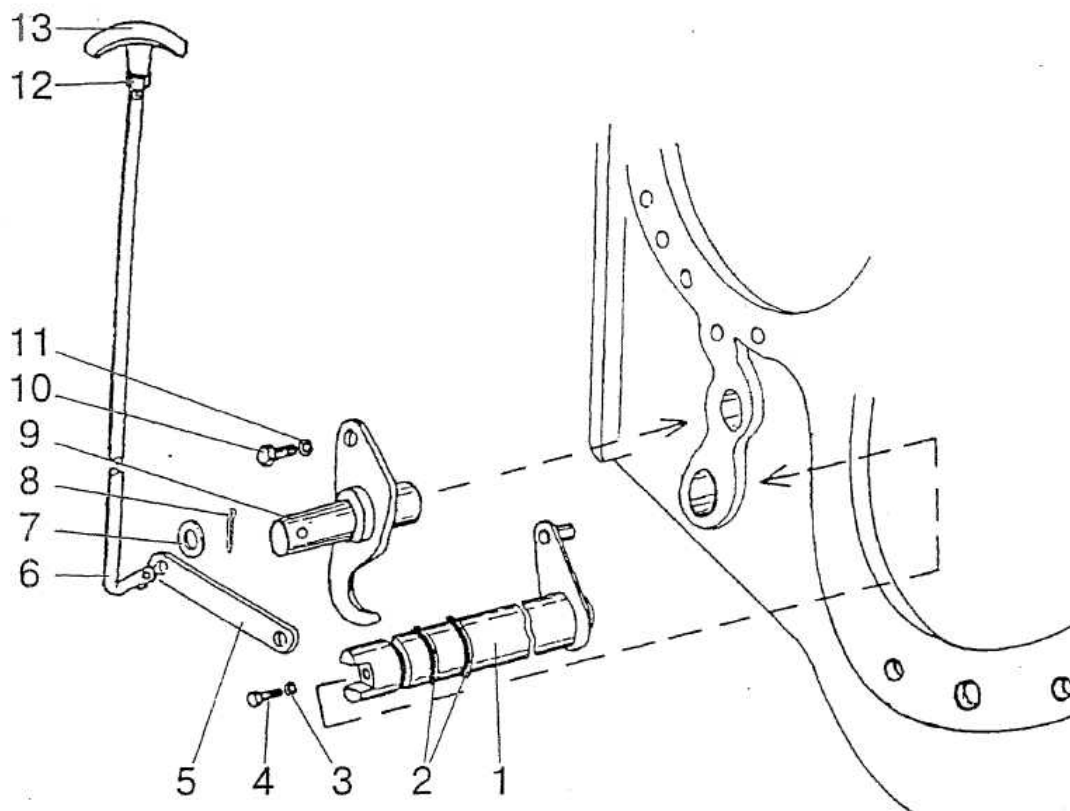


Fig. 60 Commutation mechanism of power take-off shaft (independent/synchronous)

Group 24

Subgroup 2401. Commutation mechanism of power take-off shaft (independent/synchronous)

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
60	1	100X-2401020-01	1	Shaft with drive piece	
	2	020-025-30-1-4	2	Ring	
	3	IIIИ8	1	Washer	
	4	M8x20	1	Bolt	
	5	100X-2401024	1	Lever	
	6	1522-4216081	1	Rod	
	7	IIIЧ8	1	Washer	
	8	3.2x18	1	Cotter pin	
	9	100X-1602120	1	Axle flange	
	10	M10x20	1	Bolt	
	11	IIIИ10	1	Washer	
	12	M8	1	Nut	
	13	50-1310136-A	1	Handle	

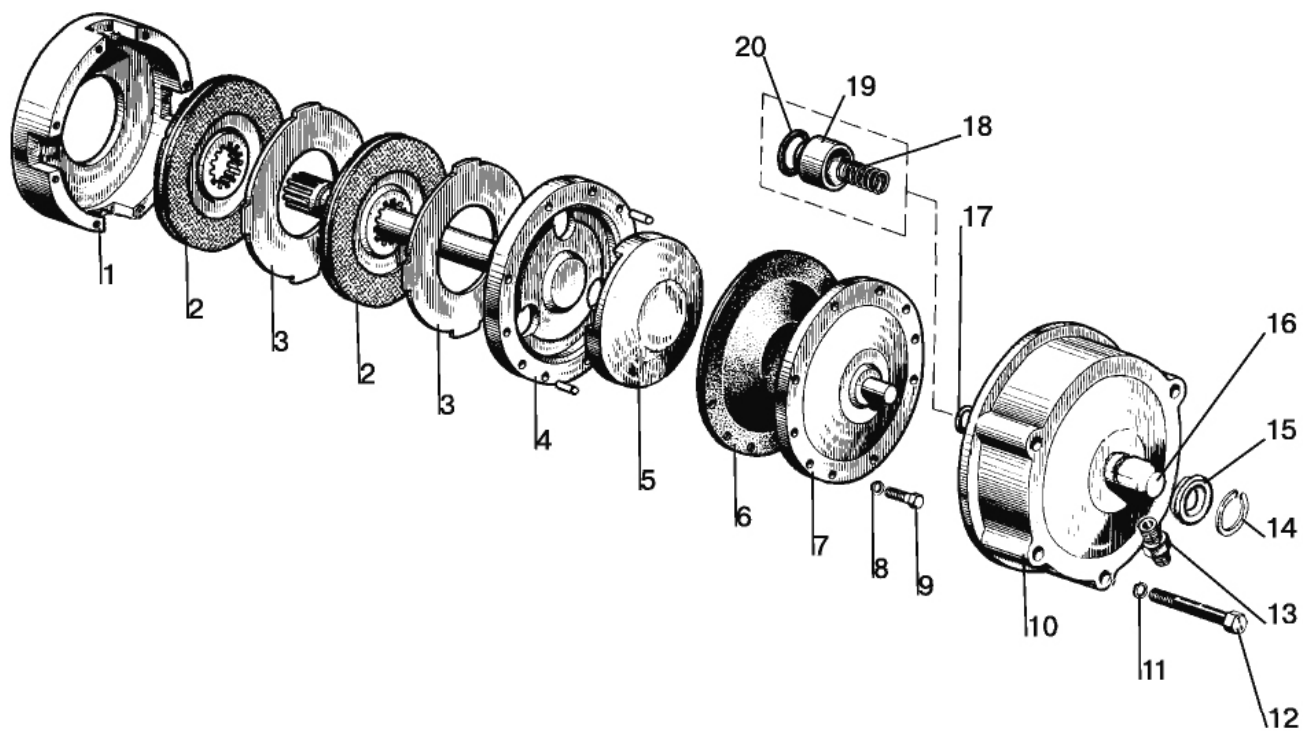


Fig. 61 Differential lock mechanism

Group 24

Subgroup 2409. Differential lock mechanism.

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
61		70-2409010-B-01	1	Lock-up clutch (1-9)	
		82P-2409050-02	1	Adaptor (10, 13-20)	
	1	70-2409015-A	1	Clutch body	
	2	70-3502040-01 or 70-3502040-04	2	Disk	
	3	70-2409028	2	Release disk	
	4	70-2409020-01	1	Interlock shaft	
	5	70-2409018	1	Pressure disk	
	6	70-2409021	1	Diaphragm	
	7	70-2409030-B	1	Diaphragm cover	
	8		8	Washer 8T OST 37.001.115-75	
	9		8	Bolt M8-6gx40.88.35.019 GOST 7795-70	
	10	70-2409035-A6	1	Casing	
	11		5	Washer 12 OT OST 37.001.115-75	
	12	1522-2409034	5	Bolt	
	13	85-3407470	1	Union	
	14		1	Ring S40 GOST 13940-86	
	15	82P-2409036A	1	Seal	
	16	70-2409026-B	1	Adaptor	
	17	020-025-30-1-4	1	Seal ring	
	18	54-06-448-A	1	Spring	
	19	70-2409027-A	1	Bushing	
	20	70-2409033-B	1	Ring	

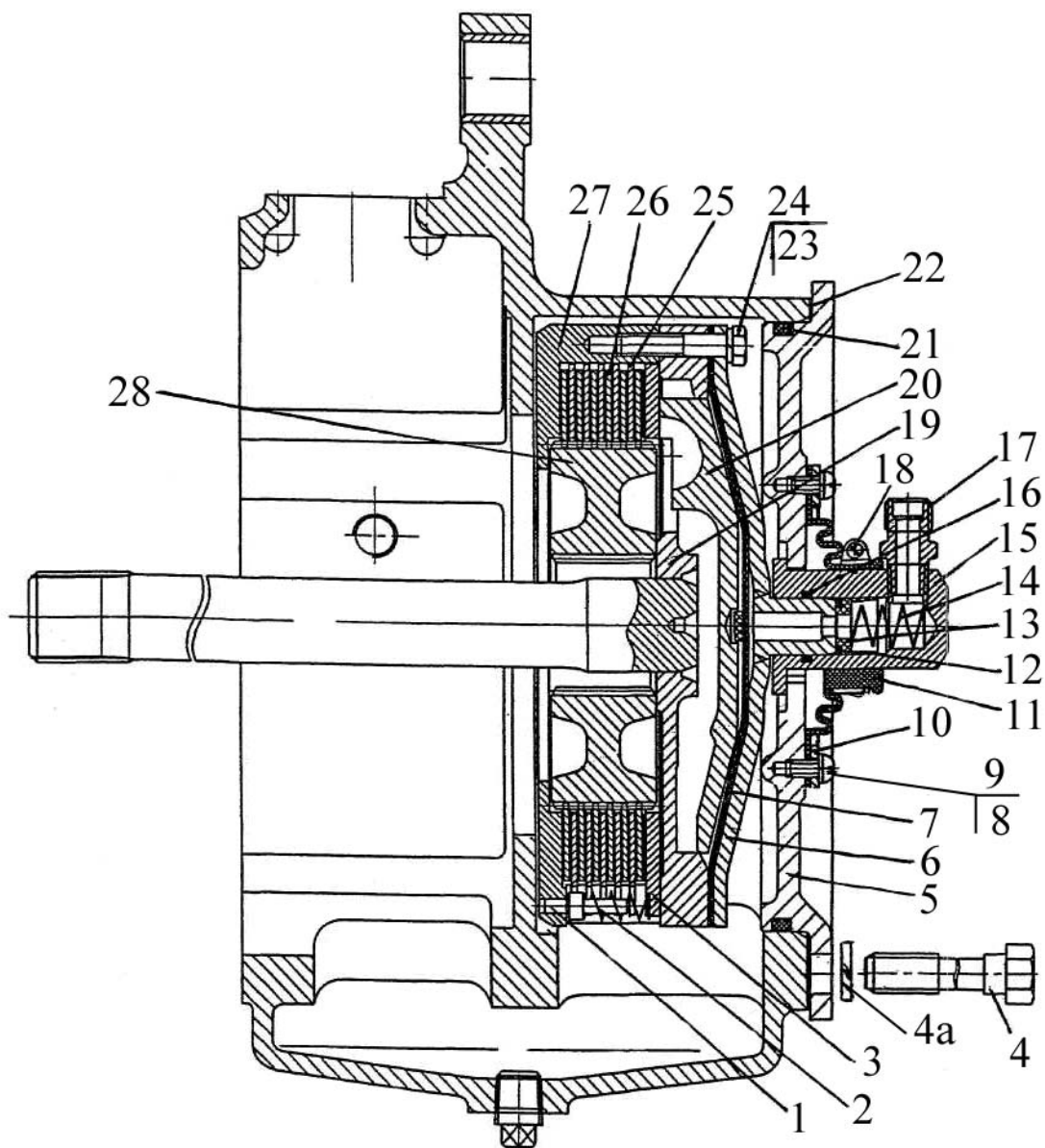


Fig. 62 Differential lock-up "wet" clutch

Subgroup 2409. Differential lock-up “wet” clutch (for tractors with “wet” brakes)

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
62		80M-2409010	1	Lock-up clutch (1-3,6,7,19,20,23-28)	
		1221M-2409050-01	1	Adaptor (5,8-18,21)	
	1	80M-2409002	4	Pin	
	2	50-1702148-A	4	Lock spring	
	3	80M-2409028	1	Release disk (S=4,7mm)	
		80M-2409028-01*	*	Release disk (S=4,4mm)	
		80M-2409028-02*	*	Release disk (S=4,1 mm)	
		80M-2409028-03*	*	Release disk (S=3,8mm)	
		80M-2409028-04*	*	Release disk (S=3,5mm)	
		80M-2409028-05*	*	Release disk (S=3,2mm)	
		80M-2409028-06*	*	Release disk (S=3,0mm)	
	4	1221M-3502039	5	Bolt	
	4a	IIII14	5	Washer	
	5	1221M-2409034-01	1	Cover	
	6	70-2409030-B	1	Diaphragm cover	
	7	70-2409021	1	Diaphragm	
	8	B.M6x10	8	Screw	
	9	IIII 6	8	Washer	
	10	80M-2409037	1	Ring	
	11	80M-2409036	1	Seal	
	12	70-2409033-B	1	Ring	
	13	70-2409027-A	1	Bushing	
	14	54-06-448-A	1	Spring	
	15	70-2409026-B	1	Adaptor	
	16	020-025-30-1-4	1	Ring	
	17	85-3407470	1	Union	
	18	32-50/9C6W	1	Clamp “NORMA”	
	19	70-2409020-02	1	Interlock shaft	
	20	80M-2409018	1	Pressure disk	
	21		1	Ring 205-215-58-2-2 GOST 18829-73/GOST 9833-73	
	22	1221M-2409051	1	Gasket	
	23	M8x40	8	Bolt	
	24	IIII8	8	Washer	
	25	80M-2409016	5	Spacing disk	
	26	2522-1802035-A	6	Driving disk	
	27	80M-2409015	1	Clutch body	
	28	80M-2409001	1	Hub	

Matched by assembling to provide required clearance.

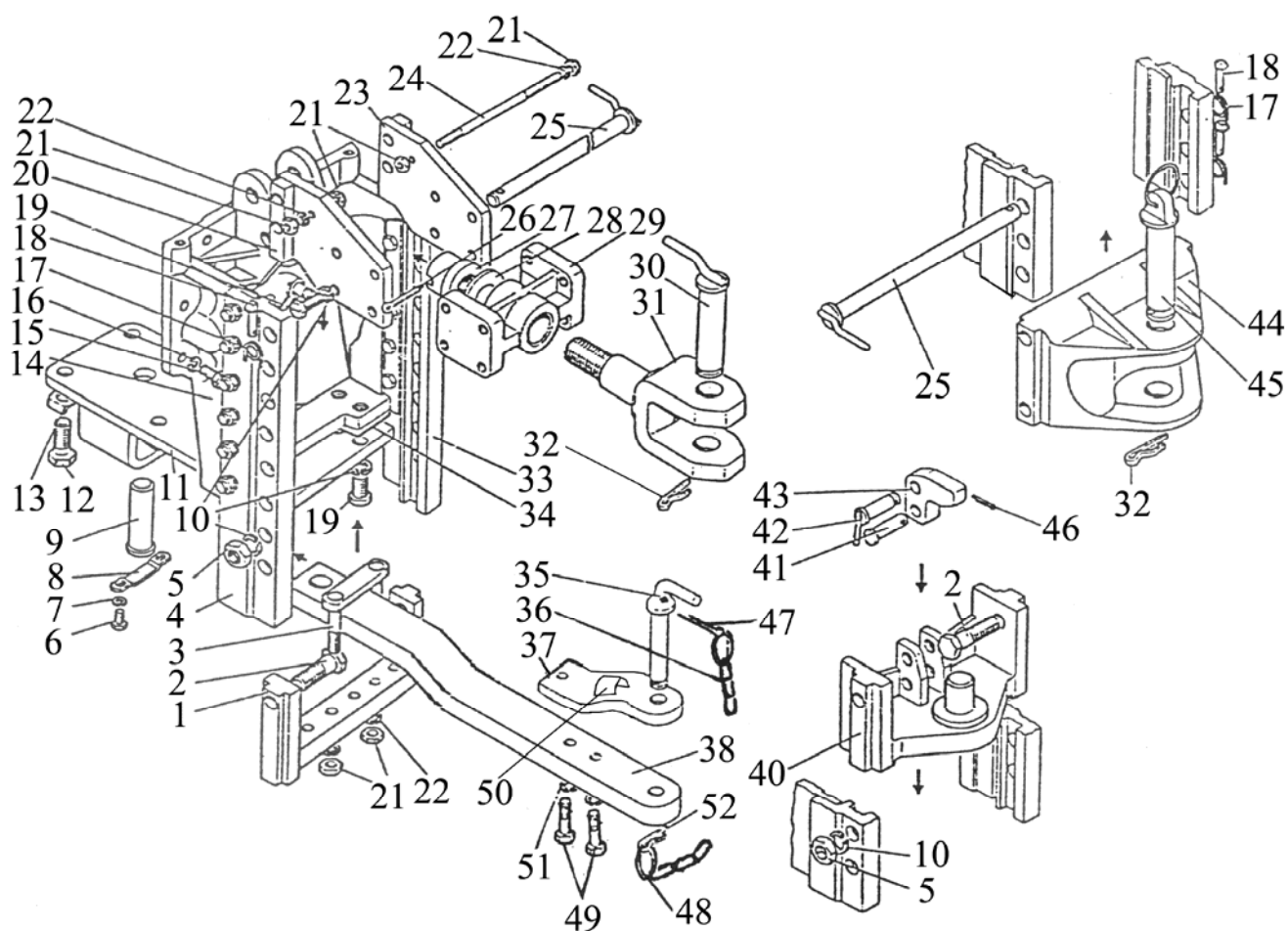


Fig. 63 Towing coupler

Group 27. Towing coupler
Subgroup 2707. Towing coupler

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
63		1322-2707160		Python (40,41,42,43,46,39,2,5,10)	
		1321-2707050-B		Fork (19,20,21,22,23,24,26-32)	
		2022-2707150		Rod (35,36,37,38,47,48,49,50,51,52)	
		1523-2707145		Lining (37,50)	
	1	1322-2707130	1	Cross bar	
	2	1322-2707133	4	Bolt	
	3	1322-2707120-B	1	Clip	
	4	2022-2707062	1	Guide	
	5	M20x1,5	4	Nut	
	6	M10x20	2	Bolt	
	7	IIII 10	2	Washer	
	8	1522-2707126	1	Plate	
	9	1522-2707127	1	Axle	
	10	IIII 20	20	Washer	
	11	1522-2707020-B	1	Plate	
	12	1321-2707014	4	Bolt	
	13	1222-2707137	2	Plate	
	14	1522-2707061-B	1	Bracket	
	15	70-4605036	12	Bolt	
	17	A61.05.004	2	Ring	
	18	A61.05.005	2	Cotter	
	19	680-2707024	12	Bolt	
	20	1321-2707070-B	1	Plate (left)	
	21	M16	6	Nut	
	22	IIII 16	4	Washer	
	23	1321-2707070-01	1	Plate (right)	
	24	1522-2707244	1	Turnbuckle	
	25	1522-2707030-B	2	Pin	
	26	6,3x63	1	Cotter pin	
	27	1522-2707243	1	Nut	
	28	1522-2707242	1	Washer	
	29	1321-2707051-B	1	Bracket	
	30	1321-2707040-B	1	Kingpin	
	31	1321-2707052	1	Fork	
	32	1321-2707042	2	Cotter pin	
	33	2022-2707062-01	1	Guide	
	34	1522-2707135	2	Plate	
		1522-2707135-01	2	Plate	
		1522-2707135-02	2	Plate	
	35	1522-2707079-A	1	Kingpin	

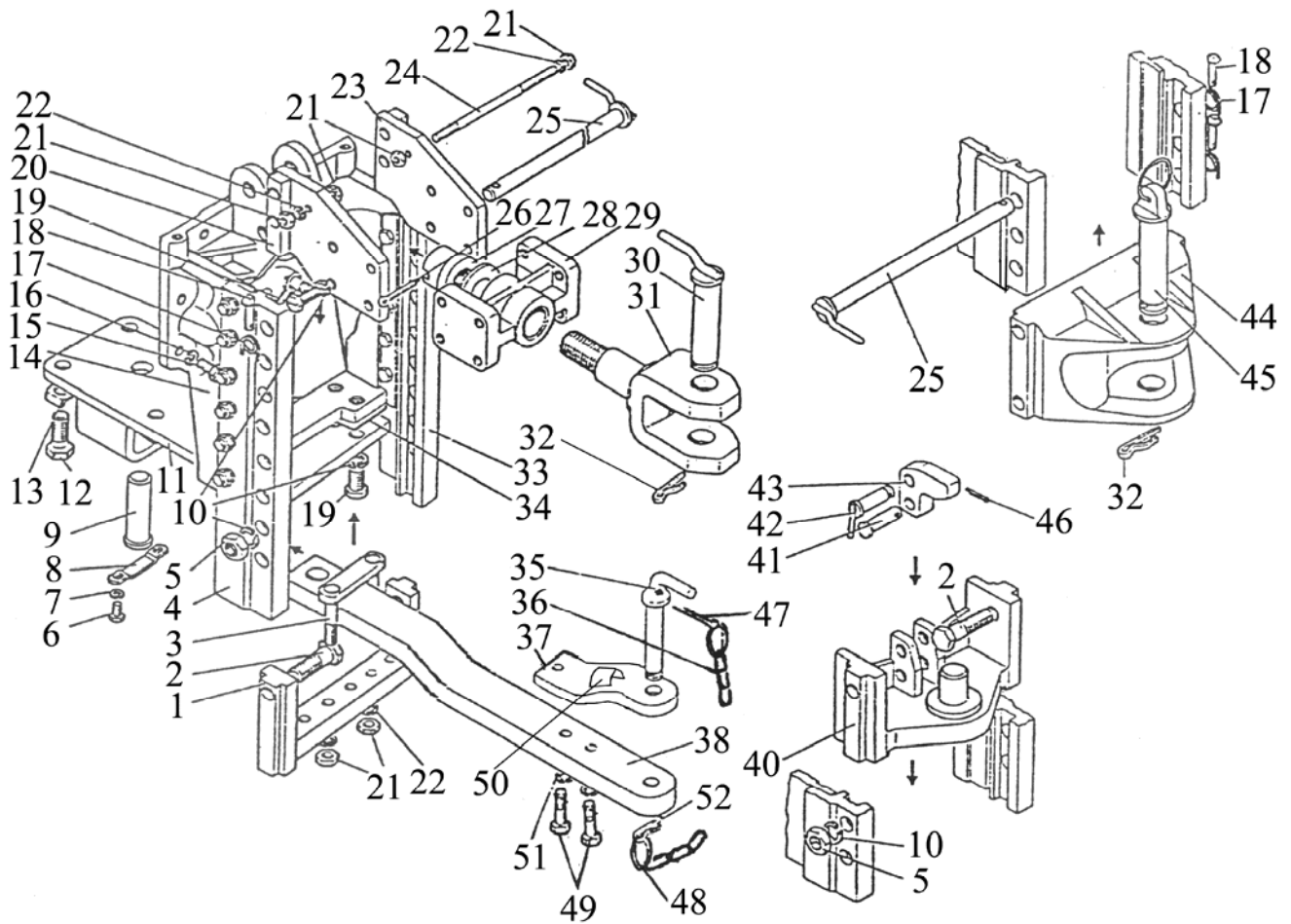


Fig. 63 Towing coupler

Group 27. Towing coupler.**Subgroup 2707. Towing coupler.**

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
63	36	70-4235035	2	Chain	
	37	1523-2707143	1	Lining	
	38	2022-2707144	1	Rod	
	40	1322-2707165	1	Plate with python	
	41	1322-2707162-01	1	Pin	
	42	1322-2707180	1	Pin	
	43	1322-2707161	1	Rest	
	44	1321-2707111-A	1	Fork	
	45	1321-2707140-B	1	Kingpin	
	46	4x36	1	Cotter pin	
	47	3,2x25	1	Cotter pin	
	48	H50-4202146	1	Ring	
	49	1523-2707149	2	Bolt	
	50	1523-2707142	1	Clip	
	51	1523-2707146	2	Washer	
	52	A61.07.001-A	1	Cotter pin	

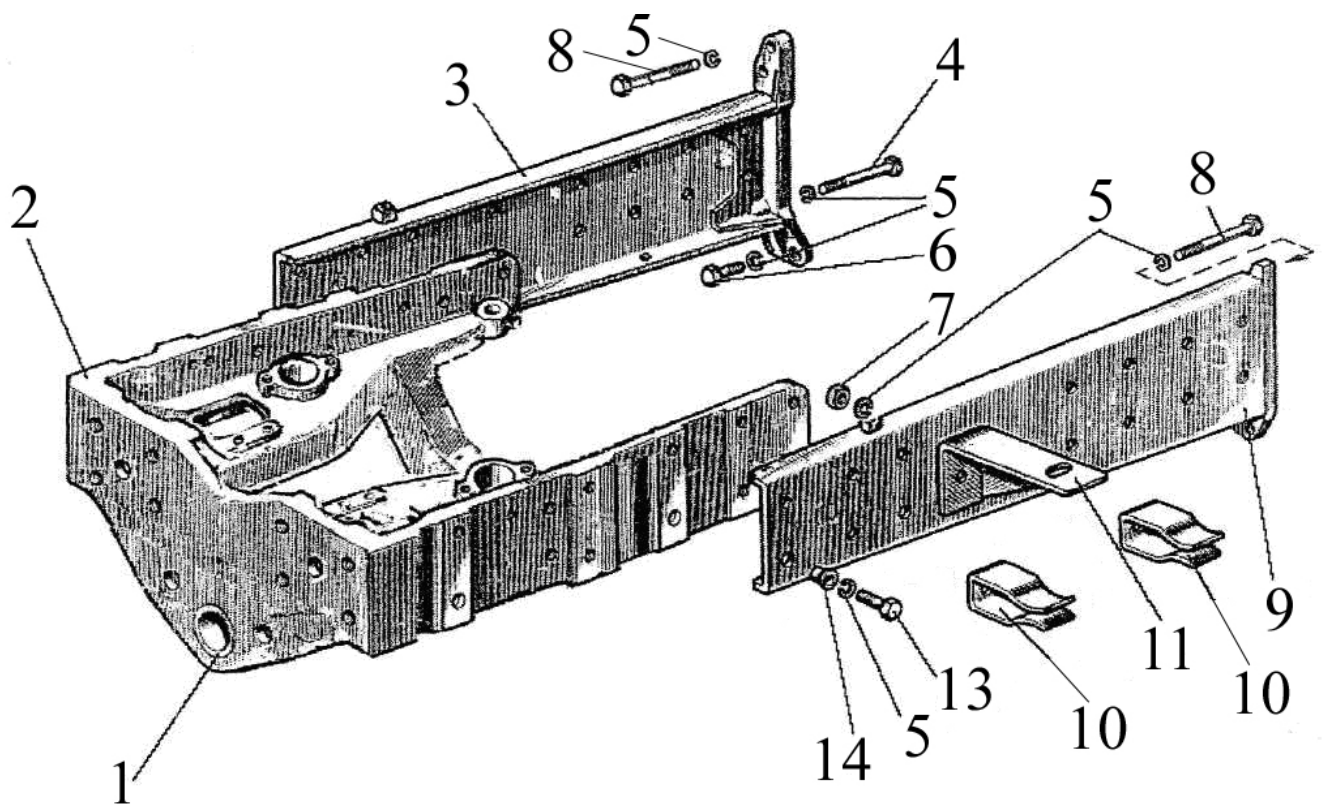


Fig. 64 Semi-frame

Group 28. Frame
Subgroup 2800. Semi-frame

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
64	1	40-3001022	2	Bushing	
	2	1520-2801016	1	Front bar	
	3	1523-2801030	1	Right side member	
	4	70-2800016	4	Bolt	
	5	III16	6	Washer	
	6	M16x60	4	Bolt	
	7	M16	2	Nut	
	8	M16x70	2	Bolt	
	9	1523-2801020	1	Left side member	
	10	50-3913214	2	Clip	
	11	80-3919106	2	Bracket	
	13	M1 6x50	4	Bolt	
	14	50-2800011	4	Bushing	

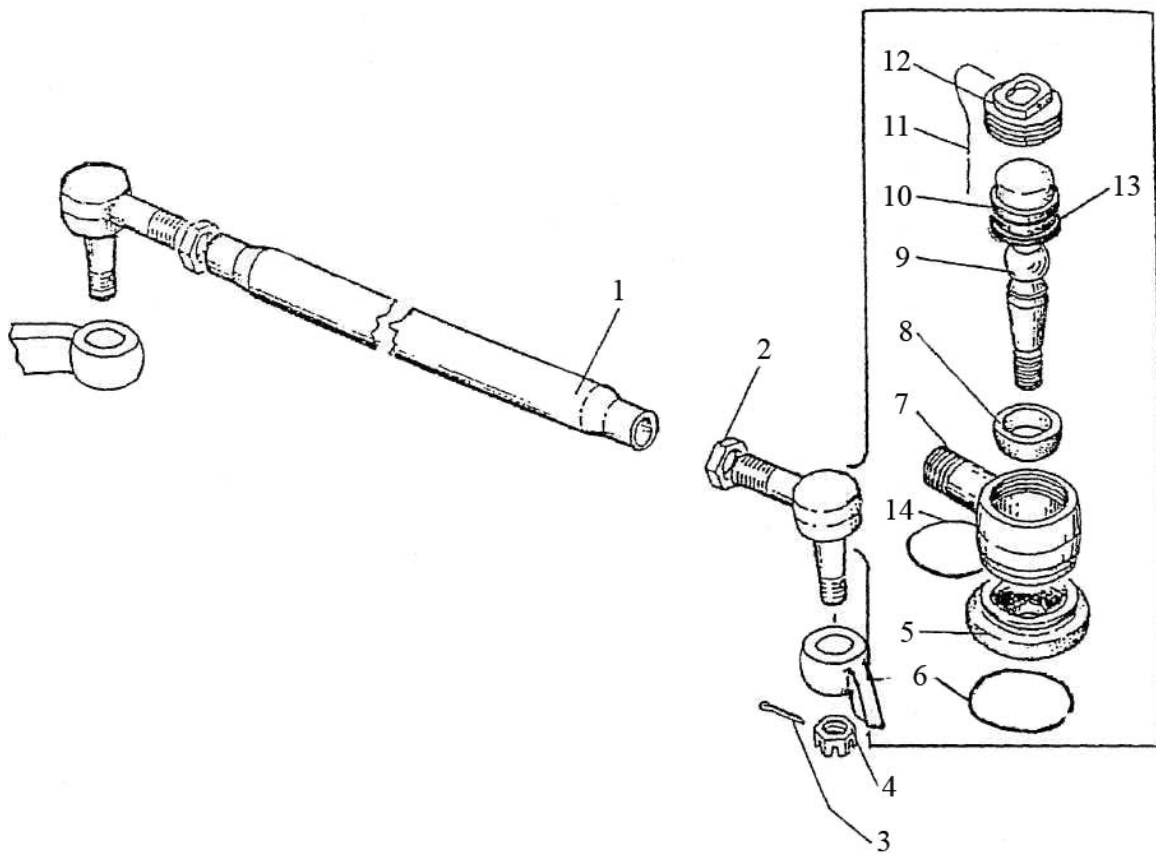


Fig. 65 Steering link

Group 30

Subgroup 3003. Steering link

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
65		1220-3003010-01	1	Assembled steering link (1,2,4-14)	
		1220-3003020-A	1	Right-threaded hinge (5-14)	
		1220-3003020-A-01	1	Left-threaded hinge (5-14)	
	1	1220-3003011	1	Pipe	
	2	1220-3003013	1	Right-threaded locknut	
		1220-3003013-01	1	Left-threaded locknut	
	3	4x36	2	Cotter pin	
	4		2	Nut M20x1,5 GOST 5919-73	
	5	1220-3003025-A	2	Cover	
	6	1220-3003029	2	Ring	
	7	1220-3003022	1	Right-threaded hinge body	
		1220-3003022-01	1	Left-threaded hinge body	
	8	1220-3003023	2	Upper liner	
	9	1220-3003021	2	Ball pin	
10		1220-3003028	2	Lower liner	
11		2,0-0-C	2	Wire L=270 mm	
12		50-3003018-Б	2	Plug	
13		1220-3003027	2	Liner	
14		1220-3003024	2	Ring	

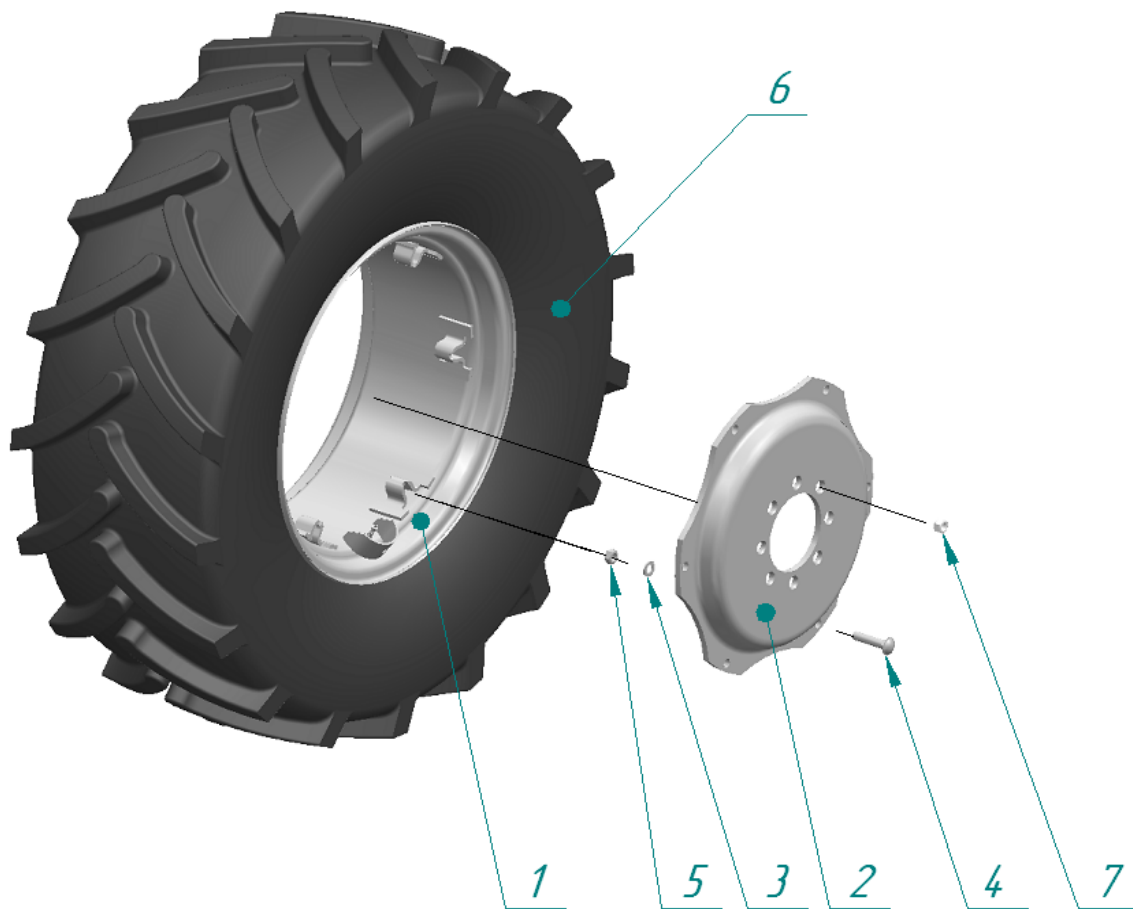


Fig. 66 Front driving wheels

Group 31. Wheels and hubs

Subgroup 3101. Front driving wheels

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
66		1221-3101010-01	2	Wheel (with tyre 420/70R24) (1-6) or	
		1221-3101010		Wheel (with tyre 14.9R24) (1-6)	
		W12-24-3101020-01 or 880.3101012-01	2	Wheel W12x24 (1,2,3,4,5)	
	1	W12-24-3101035	2	Wheel tread W12x24 with brackets	
	2	W12-24-3101017	2	Disk	
	3	52-2301065	12	Washer	
	4	1221-3101011	12	Bolt	
	5	1221-3101013	12	Nut or Nut M16x1.5	
	6		2	Tyre 420/70R24 or 14.9R24	
	7	40-3103017-01	16	Nut	

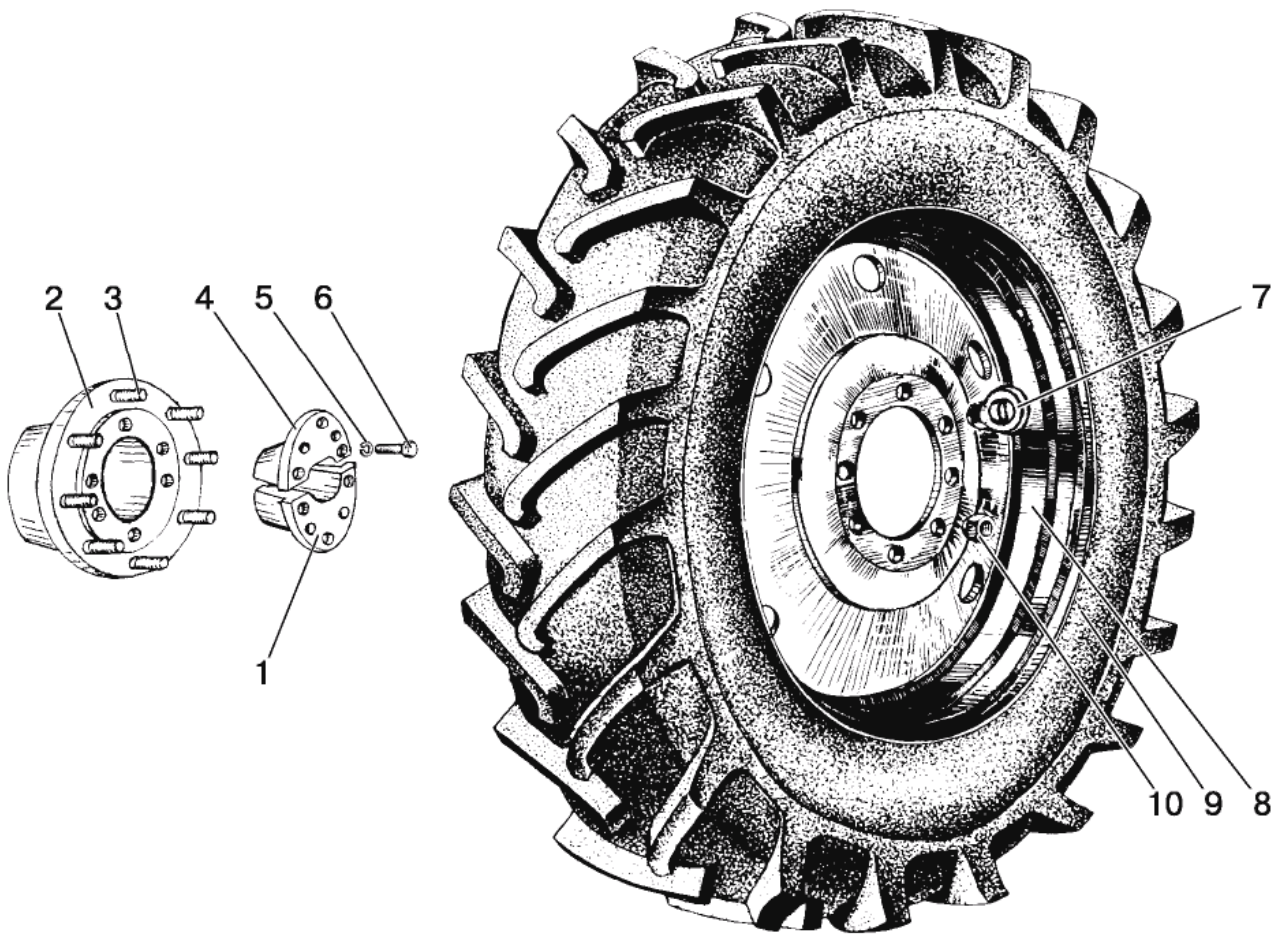


Fig. 67 Rear driving wheels

Group 31. Wheels and hubs

Subgroup 3104. Rear wheels hubs

Subgroup 3107. Rear driving wheels

Fig. No	Pos. No	Indication	Q-ty	Designation	Note
67		1220-3104010	2	Hub (1-7, 10)	
	1	1220-3104012	1	Liner	
	2	1220-3104011	1	Hub	
	3	40-3104021	8	Bolt	
	4	1220-3104012-01	1	Liner	
	5		6	Washer IIII 20	
	6	70-4605036	6	Bolt	
	7	70-3104019	2	Special nut	
		1522-3107010	2	Wheel 520/70R38 (tyre assembly 8,9)	
		886.3107012 or		Wheel DW16Lx38	
	8	DW 15Lx38-3107020 or	2	Wheel DW15Lx38	
		8746.3107012II3		Wheel DW15Lx38	
	9		2	Tyre 520/70R38	
		1221-3107010*	2	Wheel 18,4R38 (tyre assembly 8,9)	
	8	DW 15Lx38-3107020 or	2	Wheel DW15Lx38	
		8746.3107012II3			
	9		2	Tyre 18,4R38*	
	10	36-3104019	16	Nut	

* - when ordered (additional option)

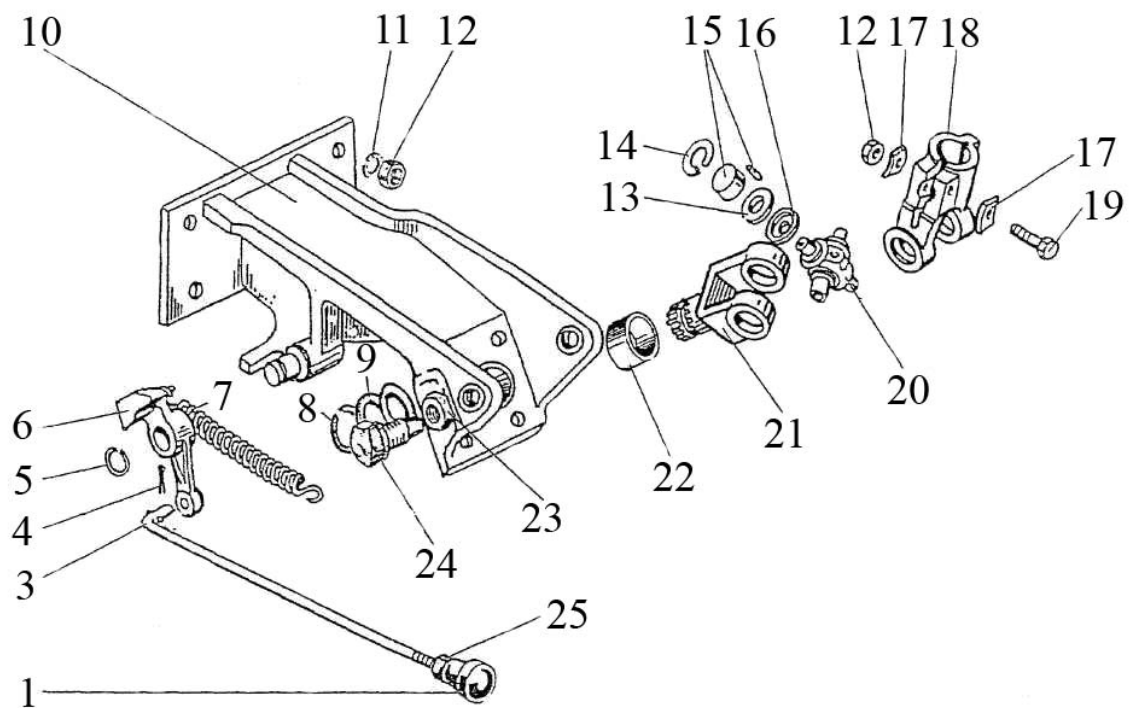


Fig. 68 Steering column

Group 34. Steering control
Subgroup 3401. Steering column

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
68	1	70-4803060	1	Handle	
	3	822-3401001	1	Rod	
	4	2,0x12	1	Cotter pin	
	5	C18	1	Ring	
	6	85-3401014-01	1	Lock	
	7	50-1310158-B	1	Spring	
	8	C20	1	Ring	
	9	80-3401019	1	Washer	
	10	822-3401120	1	Bracket	
	11	IIII 10	4	Washer	
	12		4	Nut M10 ГОСТ ¹ 5915-70	
	13	50-3401064	4	Gland	
	14	C19	4	Ring	
	15	904700YC17	4	Ball bearing	
	16	50-3401063	4	Casing	
	17	80-3401013	2	Washer	
	18	50-3401061-A	1	Fork	
	19		1	Bolt M10x45 ГОСТ 7795-70	
	20	50-3401062	1	Cross	
	21	85-3401156-B	1	Fork	
	22	85-3401016	1	Bushing	
	23		1	Nut M20x1,5 ГОСТ 15522-70	
	24	80-3401089	2	Screw	
	25		1	Nut M8 ГОСТ 5915-70	

¹ ГОСТ- GOST (Governmental Standard)

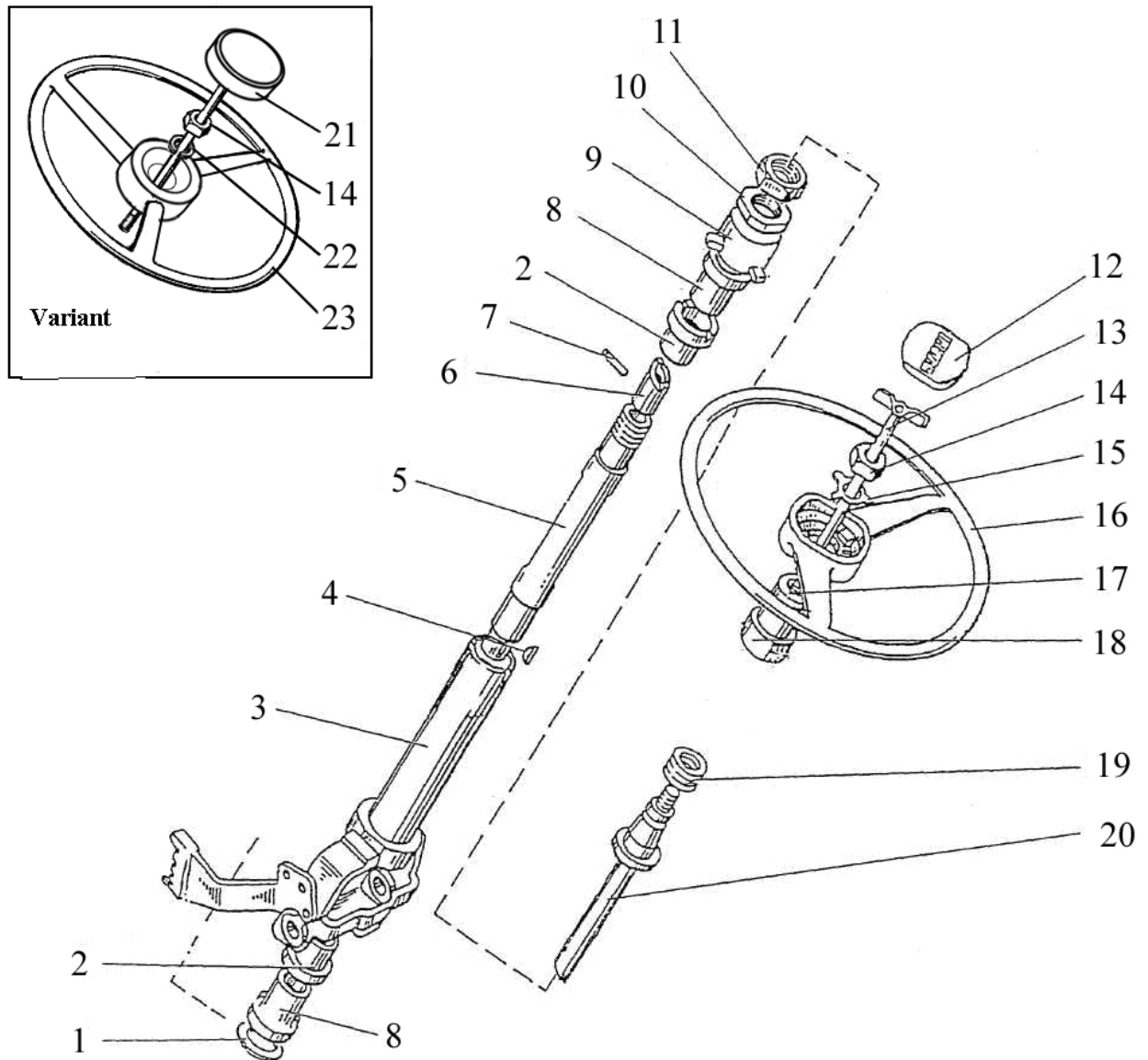


Fig. 69 Steering column

Group 34. Steering control.
Subgroup 3401. Steering column.

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
69	1	600-3401012	1	Washer	
	2	70-3401077-Б	2	Shock absorber	
	3	822-3401080	1	Pipe	
	4	5x10	1	Key	
	5	70-3401055	1	Shaft	
	6	70-3401054-Б	1	Shaft end extension	
	7	IIIQK 8x36	1	Pin	
	8	70-3401076	2	Bushing	
	9	80-3709022	1	Hammer stone	
	10	70-3401078	1	Nut	
	11	70-3401079	1	Lock nut	
	12	80-3401082	1	Cover	
	13	80-3401140	1	Clamp	
	14		1	Nut M16x1,5 ГОСТ 5915-70	
	15	50-3401091	1	Washer	
	16	80-3402015	1	Steering wheel	
	17	80-3709025*	1	Inner bushing	
	18	80-3709026-Б*	1	Middle bushing	
	19	50-4608057*	1	Spring	
	20	85-3401175**	1	Shaft	
	21	822-3401140-A1	1	Clamp	
	22	III 16	1	Washer	
	23	70-3402015-A	1	Steering wheel	

* Don't install for reverser

** For reverser 70-3401074-Б

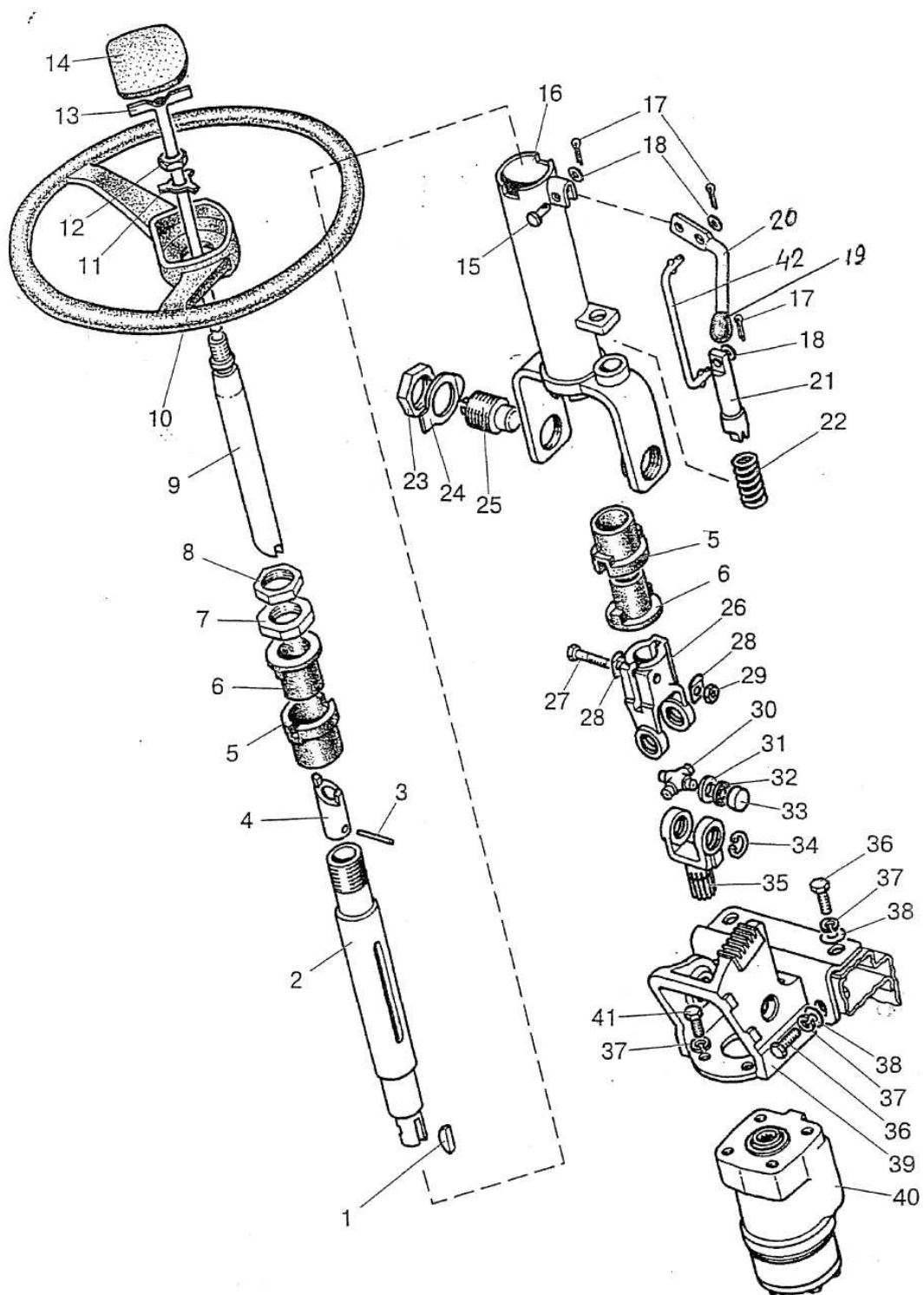


Fig. 70 Steering column (reverser)

Group 34

Subgroup 3401. Steering column (reverser)

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
70	1	5x10	1	Key	
	2	70-3401055	1	Shaft	
	3	IIIK 8x36	1	Pin	
	4	70-3401054-B	1	Tail	
	5	70-3401077-B	2	Shock absorber	
	6	70-3401076	2	Bushing	
	7	70-3401078	1	Nut	
	8	70-3401079	1	Lock nut	
	9	70-3401074-B*	1	Shaft	
	10	80-3402015	1	Steering wheel	
	11	50-3401091*	1	Washer	
	12		1	Nut M16x1,5* ГОСТ 5915-70	
	13	80-3401140*	1	Clamp	
	14	80-3401082*	1	Cover	
	15	6x18	1	Pin	
	16	70-3401020	1	Pipe	
	17	2x12	3	Cotter pin	
	18	III 6	3	Washer	
	19	70-3401093	1	Terminal lever	
	20	70-3401083	1	Lever	
	21	70-3401088-B	1	Lock	
	22	70-3401087	1	Spring	
	23		2	Nut M27x2 ГОСТ 15522-70	
	24	70-3401028	2	Washer	
	25	70-3401089	2	Screw	
	26	50-3401061-A	1	Fork	
	27		1	Bolt M10x45 ГОСТ 7795-70	
	28	80-3401013	2	Washer	
	29		1	Nut M10 ГОСТ 5915-70	
	30	50-3401062	1	Cross	
	31	50-3401063	4	Cartridge	
	32	50-3401064	4	Gland	
	33	904700 YC17	4	Needle roller bearing	
	34	C19	4	Ring	
	35	85-3401156-B	1	Fork	
	36		4	Bolt M10x25 ГОСТ 7795-70	
	37	III10	8	Washer	
	38	III10	4	Washer	
	39	80B-3401120	1	Bracket	
	40	82B-3407060	1	Metering pump	
	41		4	Bolt M10x30 ГОСТ 7795-70	
	42	70-3401084	1	Rod	

* It is rearranged from a forward course.

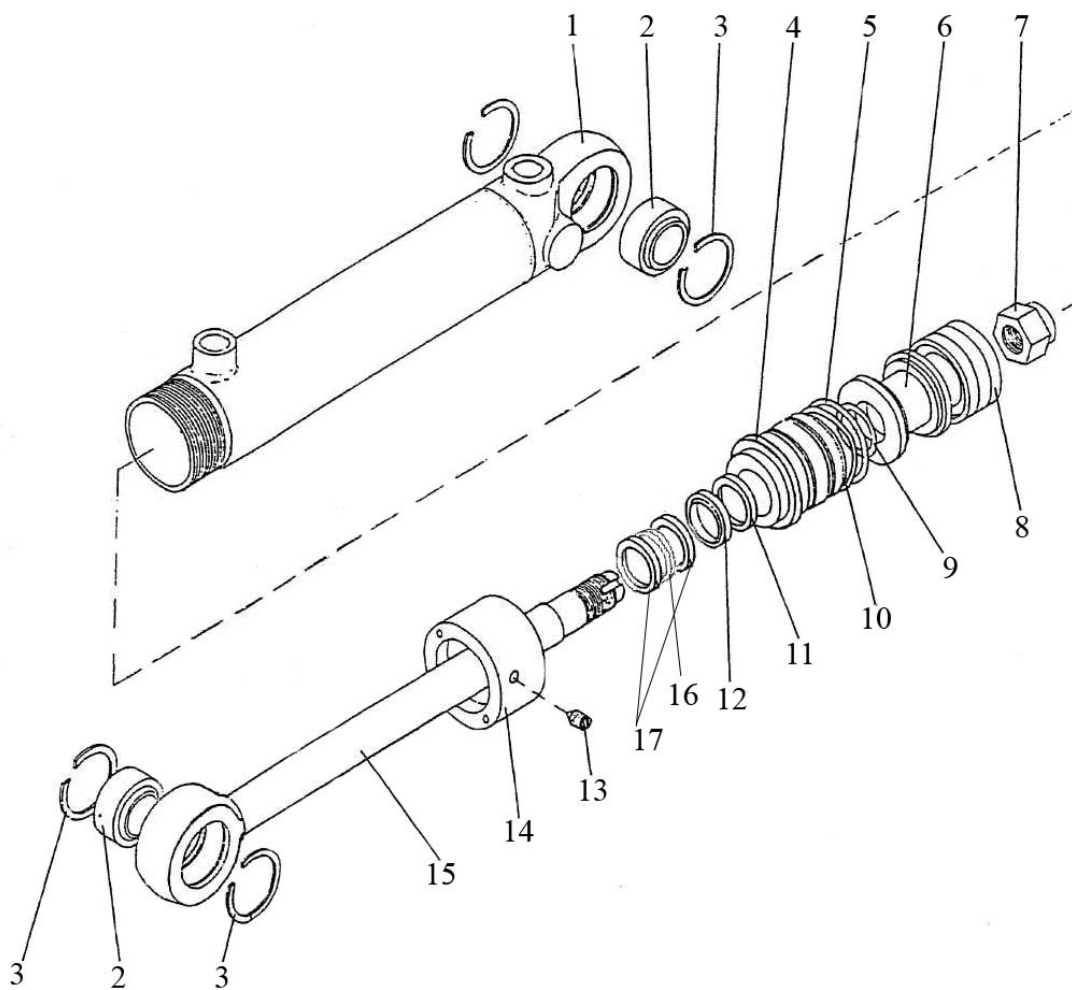


Fig. 71 Hydraulic cylinder 50x25-200

Group 34

Subgroup 3405. Hydraulic cylinder 50x25-200

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
71		IQ50-3405215-A	1	Hydraulic cylinder 50x25-200 (2-16)	
	1	IQ50-3405220	1	Cylinder body	
	2	III C-25	2	Bearing	
	3	B42	4	Ring	
	4	IQ50-3405218-B	1	Front cover	
	5	045-050-30-1-4	2	Ring	
	6	IQ50-3405223-B	1	Piston	
	7	IQ50-3405222	1	Piston nut	
	8	24 251797 L43 50-34 - 20,5*	1	Piston seal	
	9	025-028-19-1-4	1	Ring	
	10	IQ50-3405228	1	Safety ring	
	11	24 223269 T20 25-33-5,7*	1	Rod packing	
	12	24 004792 PU 625-33,6-6,5*	1	Rod cuff	
	13	A.M8x10	1	Screw	
	4	IQ50-3405224	1	Cap nut	
	15	IQ50-3405221-B	1	Rod	
	16	24 223123 OMS-MR 25-32.3-3*	1	Rod packing	
	17	24 226044 SB 25-28-5.5*	2	Rod guide	

* Sealing elements of the company "Freudenberg", Germany

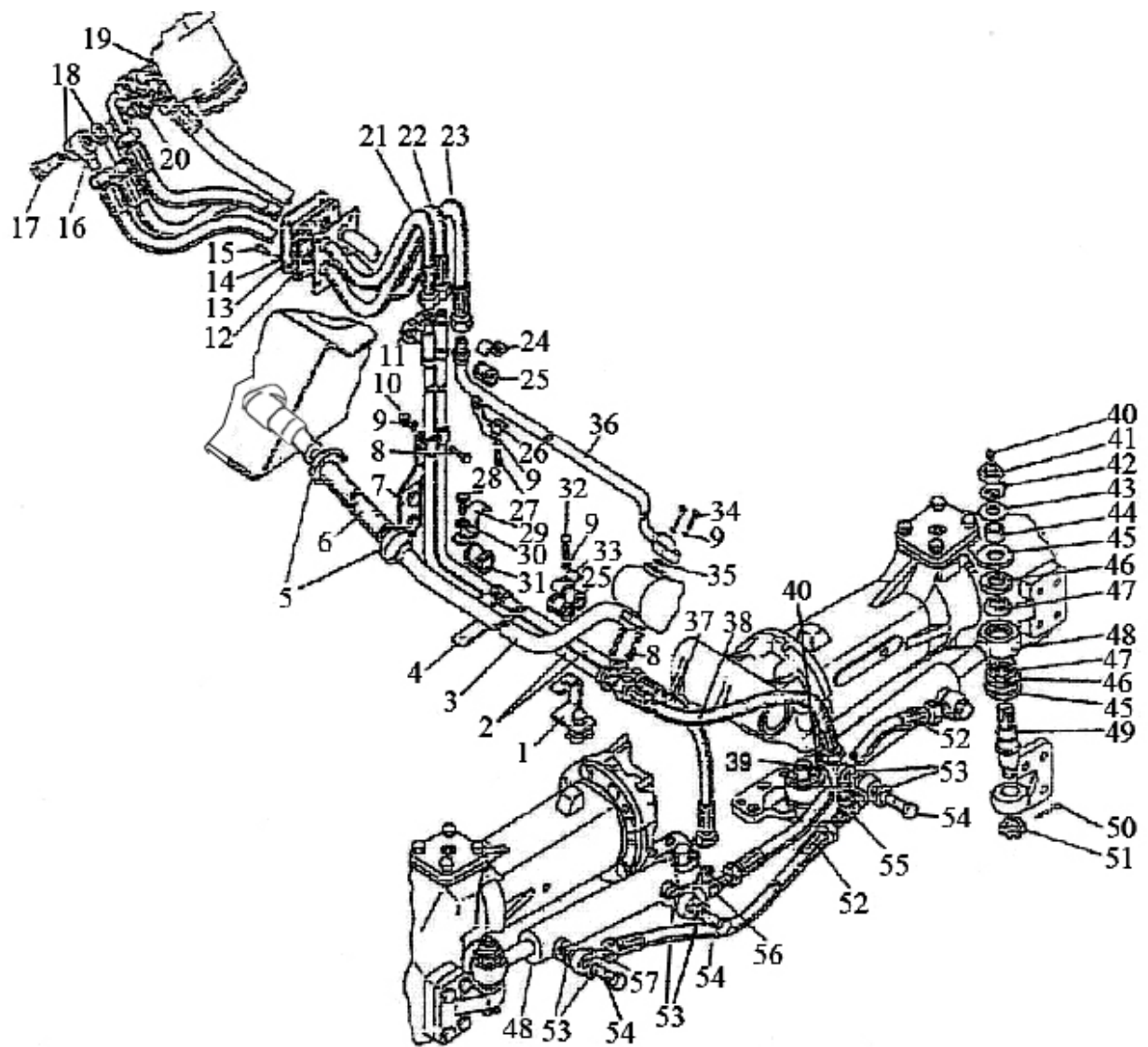


Fig. 72 Hydrostatic power steering

Group 34

Subgroup 3407. Hydrostatic power steering

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
72	1	1522-3407017	1	Bracket	
	2	1522-3407050-B	2	Oil pipe	
	3	1221-3407030	1	Oil pipe	
	4	85-3407107	1	Strip	
	5	25-40 "Norma"	2	Clamp	
	6	1321-3407018-03	1	Hose	
	7	80B-3407012	1	Bracket	
	8	M8x40	3	Bolt	
	9	ШП8	9	Washer	
	10	M8	4	Nut	
	11	H.036.12.010	2	Plug	
	12	2522-6703034	1	Gasket	
	13	1522-3407011	1	Cover	
	14	ШП 6	4	Washer	
	15	M6x25	4	Bolt	
	16	530-4614029	1	Elbow	
	17	85-3407105	1	Bolt	
	18	Φ80-3407157	2	Washer	
	19	025-029-25-2-2	2	Ring	
	20	1522-3407016	2	Union	
	21	680-4607140-06	1	High pressure hose	
	22	ПН.036.83.040	1	High pressure hose	
	23	1522B-3407100-02	1	High pressure hose	
	24	70-3407163	1	Clip	
	25	70-3506027	7	Bushing	
	26	70-3407164	1	Bracket	
	27	M8x20	1	Bolt	
	28	M10x25	1	Bolt	
	29	102-3407014	1	Clip	
	30	ШП10	1	Washer	
	31	70-4607158	3	Gasket	
	32	M8x30	3	Bolt	
	33	70-3407146	4	Strip	
	34	M8x35	2	Bolt	
	35	017-022-30-1-4	2	Ring	
	36	1522-3407020	1	Oil pipe	
	37	952-3407100-04	1	High pressure hose	
	38	952-3407100-02	1	High pressure hose	
	39	Φ80-3405112	2	Union	
	40	1.1	4	Oiler	

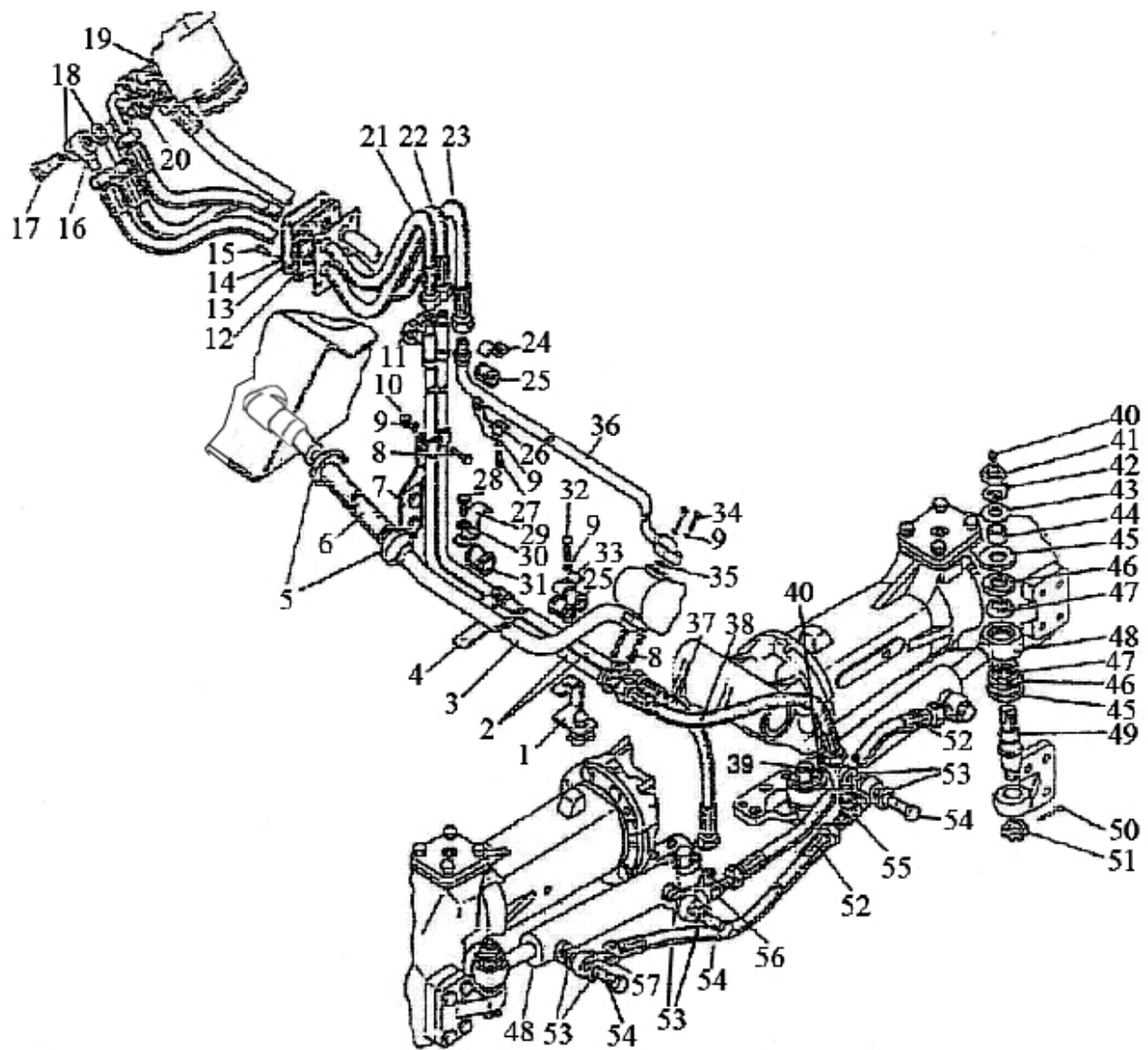


Fig. 72 Hydrostatic power steering

Group 34

Subgroup 3407. Hydrostatic power steering

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
72	41	M20x1,5	4	Nut	
	42	Φ80-3405103	4	Lock washer	
	43	IIIЧ20	4	Washer	
	44	Φ80-3405102-B	4	Bushing	
	45	Φ80-3405108	8	Strong cup	
	46	Φ80-3405109	8	Sealant of the hinge	
	47	Φ80-3405107	8	Spherical bushing	
	48	II50-3405215-A	2	Hydraulic cylinder	
	49	102-3405103	4	Pin	
	50	4x36	4	Cotter pin	
	51	70-4605316	4	Nut	
	52	952-3407100-12	2	High pressure hose	
	53	Φ80-3407114	8	Washer	
	54	Φ80-3407201	4	Bolt	
	55	1221-3407010-B-01	1	T-piece	
	56	1221-3407010-B	1	T-piece	
	57	952-3407020	2	Adapter	

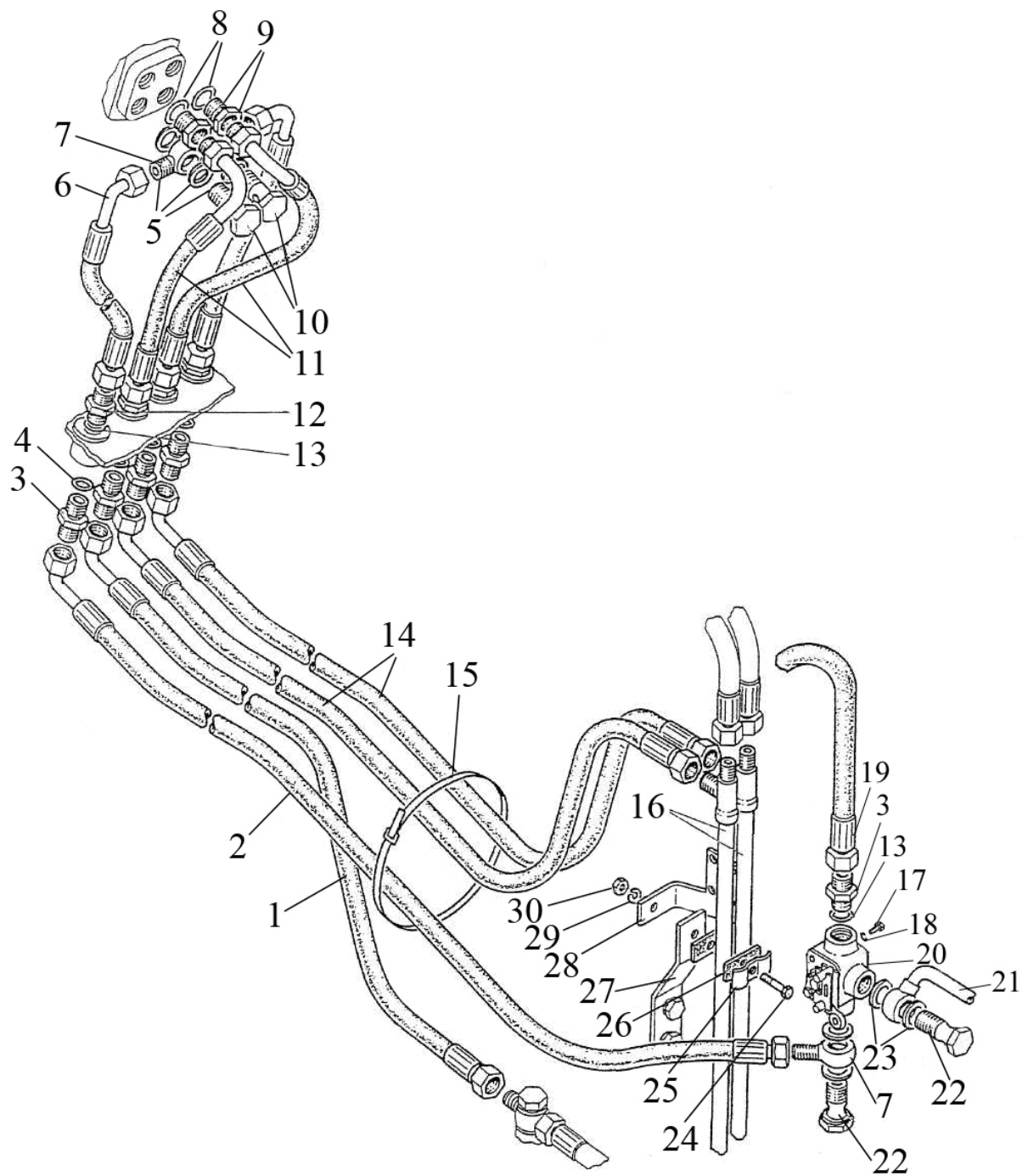


Fig. 73 Hydrostatic power steering (reverser)

Group 34

Subgroup 3407. Hydrostatic power steering (reverser)

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
73	1	1522B-3407100	1	High pressure hose	
	2	1522B-3407100-01	1	High pressure hose	
	3	70-1405089	5	Union	
	4	017-021-25-1-4	5	Ring	
	5	Φ80-3407157	4	Washer	
	6	1522B-3407100-05	2	High pressure hose	
	7	530-4614029	3	Elbow	
	8	025-029-25-2-2	2	Ring	
	9	1522-3407016	2	Union	
	10	85-3407105	2	Bolt	
	11	1522B-3407100-04	2	High pressure hose	
	12	C80-4607204	4	Union	
	13	024-028-25-2-2	4	Ring	
	14	680-4607140-06	2	High pressure hose	
	15	70-3723045-01	1	Collar	
	16	1522-3407050-Б	2	Oil pipe	
	17	M6x16		Bolt	
	18	ШП 6	4	Washer	
	19	1522B-3407100-02	1	High pressure hose	
	20	1221B-3407150	1	Cock	
	21	1522B-3407020	1	Oil pipe	
	22	40-4607032	2	Bolt	
	23	40-4607038-A	4	Washer	
	24	M8x40	1	Bolt	
	25	70-3407146	1	Strip	
	26	70-4607158	2	Gasket	
	27	80B-3407012	1	Bracket	
	28	1522B-3407018	1	Bracket	
	29	ШП8	1	Washer	
	30	M8	1	Nut	

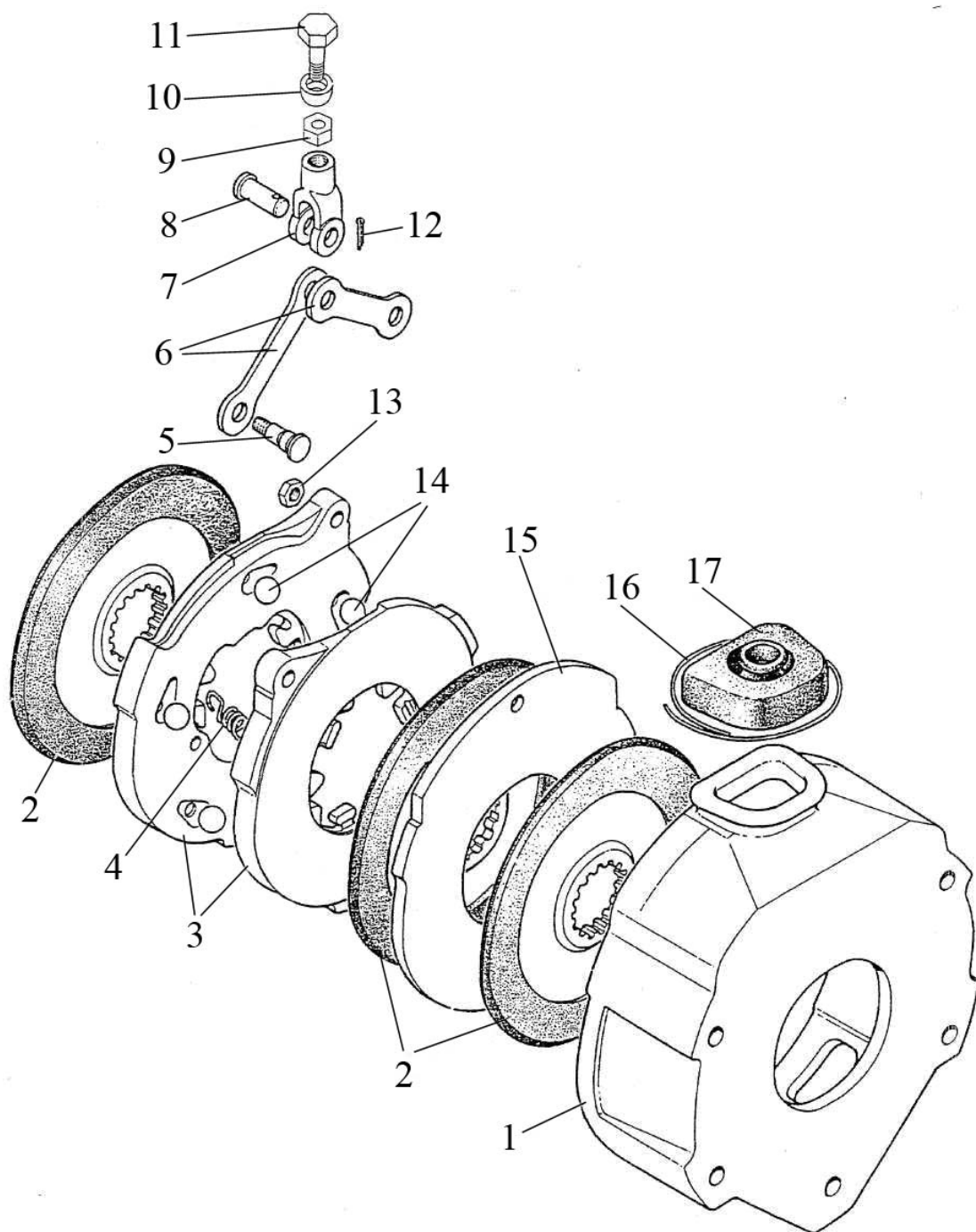


Fig. 74 Brakes

Subgroup 3502. Brakes (design variant)

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
74		70-3503080	2	Brake linkage (9-11)	
		1522-3502010	2	Brake (1-8, 12-17)	
		85-3502030	2	Pressure disk (1-8, 12-17)	
	1	1522-3502035	2	Cage	
	2	85-3502040-01/040-04	6	Disk	
	3	85-3502036	4	Pressure disk	
	4	77.38.163	6	Spring	
	5	50-3502198	4	Pin	
	6	85-3502196	4	Rod	
	7	50-3502203	2	Fork	
	8	12x32	2	Pin	
	9	M12x1,25	2	Nut	
	10	70-3503018	2	Spherical washer	
	11	70-3503019	2	Bolt	
	12	3,2x18	2	Cotter pin	
	13	M8	4	Nut	
	14	22,225	10	Ball	
	15	1522-3502037-B	2	Disk	
	16	1,6	2	Wire 300 mm	
	17	50-3502202	2	Hood	

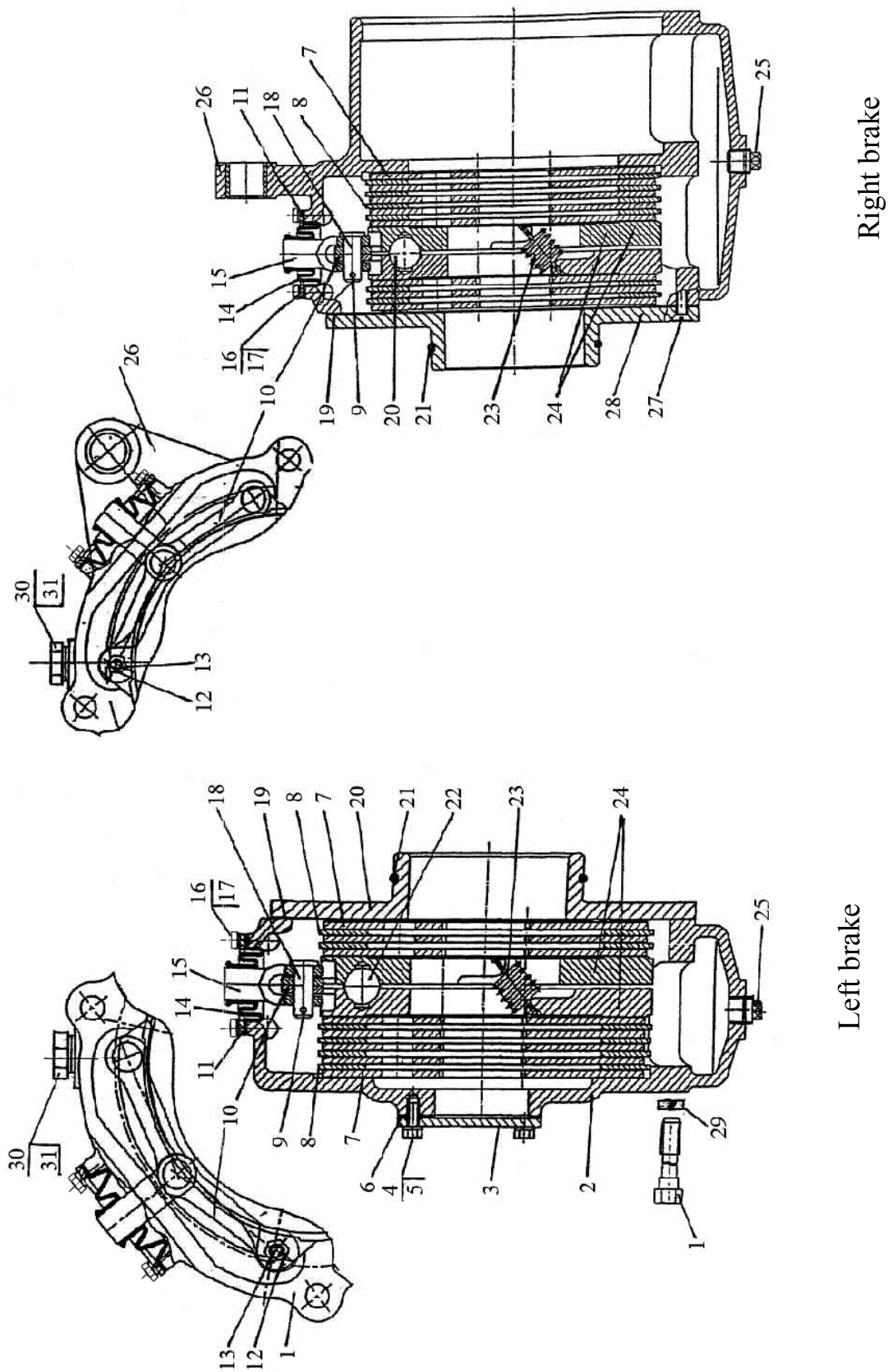


Fig. 75 "Wet" brakes

Subgroup 3502. "Wet" brakes(left/right)

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
75		1522M-3502010		Brake (left)	
		1221M-3502020-03		Brake (right)	
		85-3502030-01	2	Pressure disks (9, 10,12,13, 15, 18, 22-24)	
	1	1221M-3502039-03	3	Bolt	
		1221M-3502039-02	2	Bolt	
	2	1522M-3502035	1	Housing	
	3	70-4608019	1	Cover	
	4	M8x14	4	Bolt	
	5	IIII8	4	Washer	
	6	70-4608033	1	Gasket	
	7	1522-3502015-07	16	Disk	
	8	80M-3502037	12	Spacing disk (S=3,0MM)	
		80M-3502037-01*	*	Spacing disk (S=3,2MM)	
		80M-3502037-02*	*	Spacing disk (S=3,4MM)	
		80M-3502037-03*	*	Spacing disk (S=3,6MM)	
		80M-3502037-04*	*	Spacing disk (S=3,8MM)	
		80M-3502037-05*	*	Spacing disk (S=4,0MM)	
		80M-3502037-06*	*	Spacing disk (S=4,2MM)	
		80M-3502037-07*	*	Spacing disk (S=4,4MM)	
	9	3,2x18	2	Cotter pin	
	10	85-3502196	4	Rod	
	11	80M-3502204	2	Strip	
	12	M8	4	Nut	
	13	50-3502198	4	Pin	
	14	80M-3502202	2	Hood	
	15	50-3502203	2	Fork	
	16	M6x12	8	Bolt	
	17	IIII 6	8	Washer	
	18	12x32	2	Pin	
	19	1221M-3502051	2	Gasket	
	20	1221M-2407059	1	Cage cover	
	21	115-120-30-2-2	2	Ring	
	22	22,225	10	Ball	
	23	77.38.163	6	Spring	
	24	85-3502036-01	4	Pressure disk	
	25	ПК КГ 3/8"	4	Plug	
	26	1221M-3502035-01	1	Housing	
	27	B.M8X25	6	Screw	
	28	1221M-2407059-01	1	Cage cover	
	29	IIII14	5	Washer	
	30	1221-1802091	2	Screw plug	
	31	Д18-055-A	2	Sealing ring	

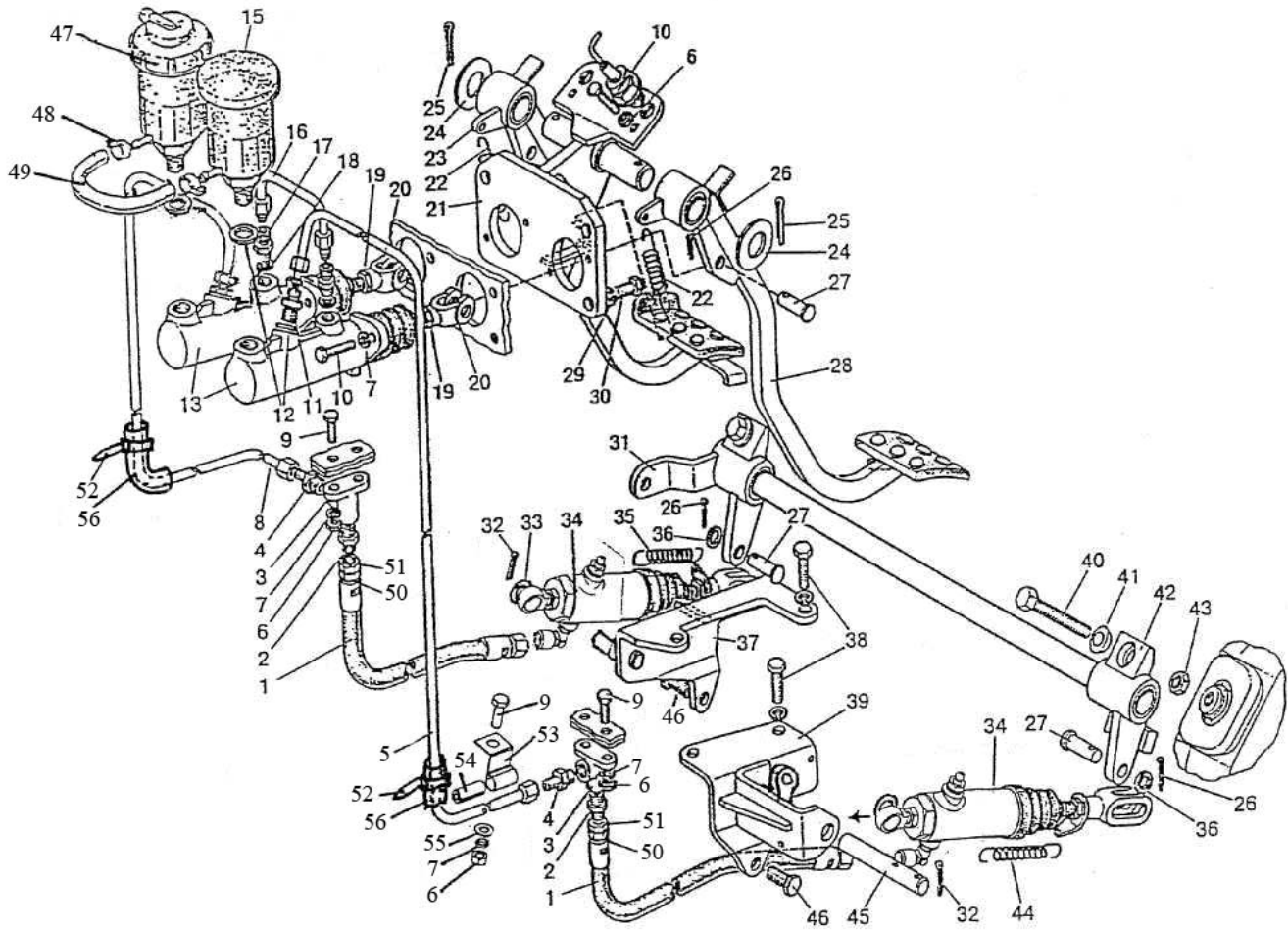


Fig. 76 Brakes controls (variant with "dry" brakes)

Group 35

Subgroup 3503. Brakes controls (variant with “dry” brakes)

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
76		1522-3503700	1	Brakes controls	
	1	923-3503200	2	Hose	
	2	822-3503155	2	Union	
	3	80B-1602106-B	2	Elbow	
	4	822-3503701	2	Union	
	5	1522-3503080	1	Pipe	
	6	M8	7	Nut	
	7	IIIП8	9	Washer	
	8	1522-3503070	1	Pipe	
	9	M8x25	4	Bolt	
	10	III8x35	6	Bolt	
	11	822-3503083	2	Union	
	12	Д18-055А	4	Ring	
	13	A73067386	2	Cylinder (Meritor)	
	15	822-3503090	1	Tank	
	16	822-3503100	1	Pipe	
	17	822-3503084	2	Union	
	18	36-1104788	2	Gasket	
	19	M10	2	Nut	
	20	822-3502203	2	Fork	
	21	923-3503720	1	Bracket	
	22	70-4616033	2	Spring	
	23	923-3503730	1	Right pedal	
	24	50-3503071	2	Washer	
	25	5x36	2	Cotter pin	
	26	3,2x18	4	Cotter pin	
	27	12x32	4	Pin	
	28	923-3503740	1	Left pedal	
	29	IIIП 10	3	Washer	
	30	M10x25	3	Bolt	
	31	1522-3503045	1	Right lever	
	32	4x22	3	Cotter pin	
	33	IIIЧ 16	3	Washer	
	34	1522-3503550-A	2	Working cylinder	
	35	822-3503702	1	Spring	
	36	IIIЧ12	2	Washer	
	37	1522-3503030	1	Right bracket	
	38	M10x35	4	Bolt	
	39	1522-3503040-A	1	Left bracket	
	40	70-3503019	2	Bolt	

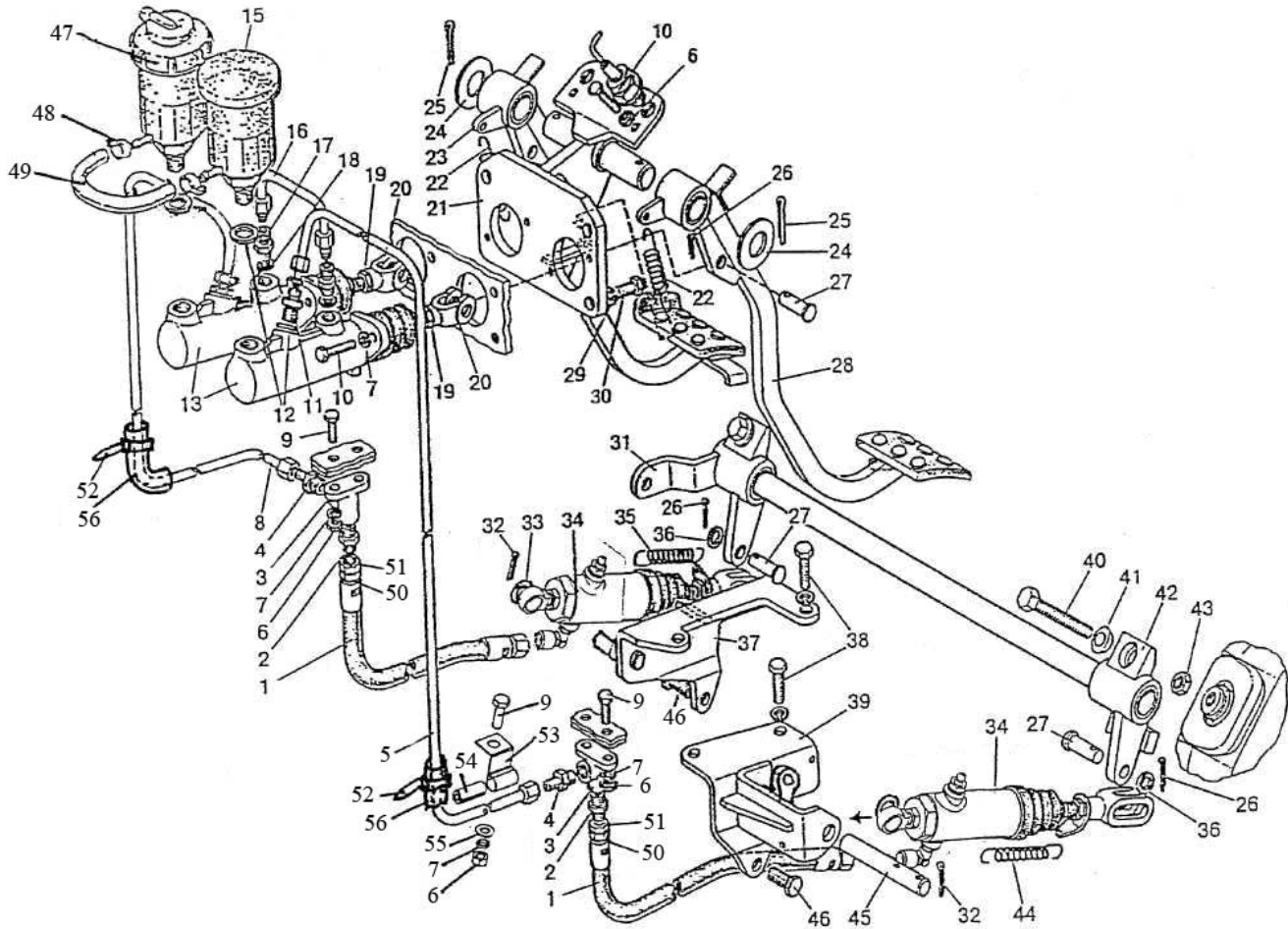


Fig. 76 Brakes controls (variant with "dry" brakes)

Group 35

Subgroup 3503. Brakes controls (variant with “dry” brakes)

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
76	41	70-3503018	2	Spherical washer	
	42	1522-3503025	1	Left lever	
	43	M12x1,25	2	Lock nut	
	44	50-1605152	1	Spring	
	45	1522-3503013	1	Axle	
	46	M12x30	2	Bolt	
	47	822-3503090-01	1	Tank	
	48	-Norma- 12x20	2	Clamp	
	49	822-3503098	1	Hose	
	50	923-3503221	4	Nipple	
	51	Д80-4607212	4	Nut	
	52	80-3723045	3	Collar	
	53	48-1104016	1	Clip	
	54	1522-2407317	1	Pipe	
	55	C8	1	Washer	
	56	1522-3503703	2	Pipe	

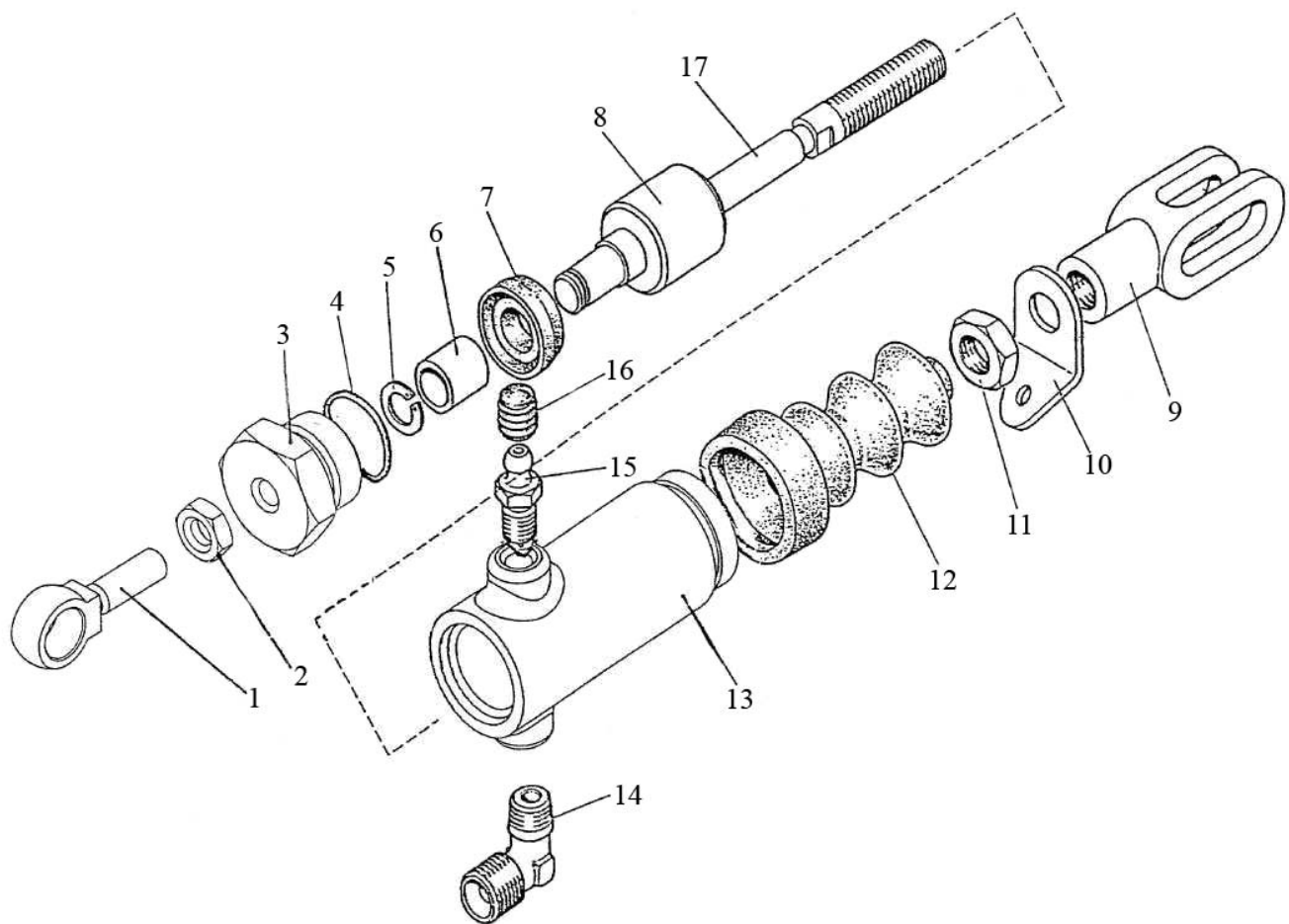


Fig. 77 Working cylinder (variant with “dry” brakes)

Group 35**Subgroup 3503. Working cylinder.**

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
77		1522-3503550-A	1	Working cylinder	
	1	1523-1602566	1	Support	
	2	M10	1	Nut	
	3	1222B-1602561	1	Cover	
	4	027-031-25-2-6	1	Ring	
	5	C13	1	Ring	
	6	12218-1602517-1	1	Space bushing	
	7	N14-102 (14x28x10)	1	Collar	
	8	1221B-1602556	1	Piston	
	9	1221B-3503551	1	Fork	
	10	80-1602116	1	Rod eye	
	11	M12x1,25	1	Nut	
	12	142-1602569	1	Hood	
	13	1221B-1602551	1	Housing	
	14	822-3503037	1	Treaded angle bar	
	15	142-1602371	1	Valve	
	16	142-1602377	1	Cap	
	17	80B-3503557	1	Rod	

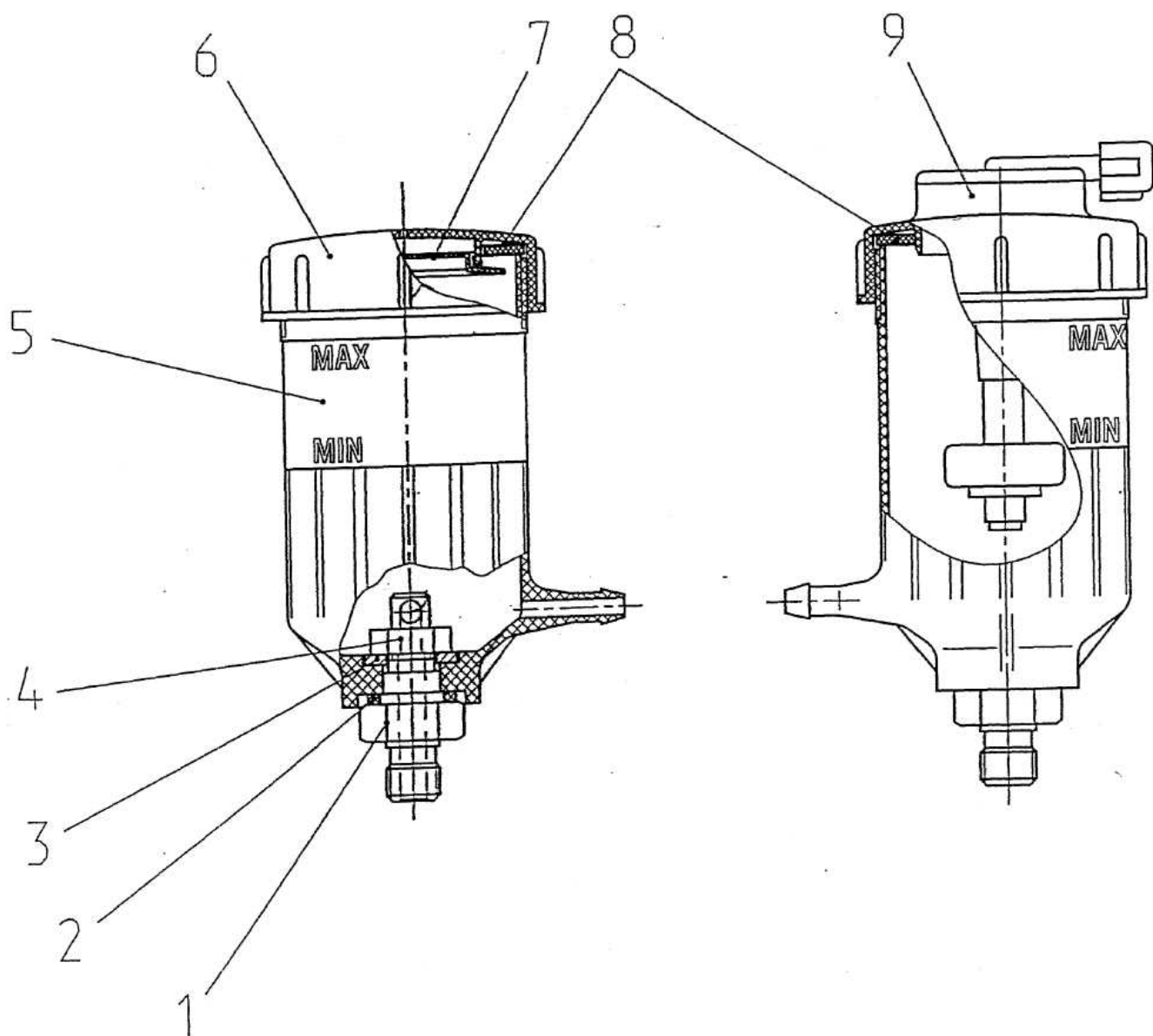


Fig. 78 Brake fluid reservoirs

Group 35. Brakes

Subgroup 3503.Brakes controls. Brake fluid reservoirs

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
78		822-3503090	1	Reservoir (1-8)	
		822-3503090-01	1	Reservoir (1-5,8,9)	
	1	822-1602126	2	Union	
	2	822-1602127	2	Ring	
	3	C 12.01.08КП.019	2	Washer ГОСТ 11371-78	
	4	M12x1,25-6H.04.019	2	Nut ГОСТ 5916-70	
	5	822-3503092	2	Housing	
	6	822-1602125	1	Cover	
	7	822-1602123	1	Dish	
	8	822-1602124	2	Gasket	
	9	AP23.3839	1	Level sensor ТУ.АР.3839.001-01	

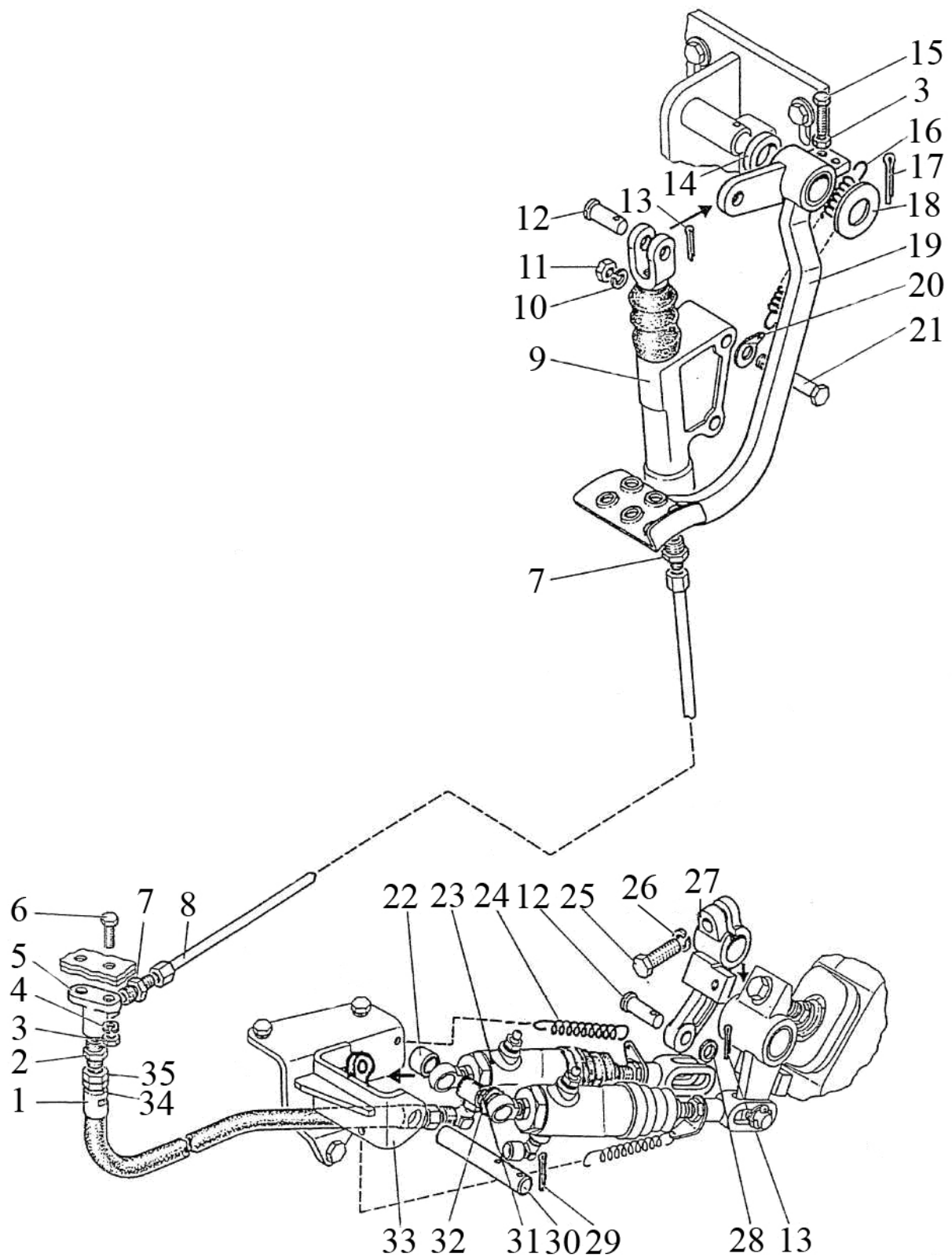


Fig. 79 Brakes control on reverse (variant with "dry" brakes).

Group 35

Subgroup 3503. Brakes control on reverse (variant with “dry” brakes).

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
79		1522B-3503800	1	Brakes control on reverse (1-35)	
	1	923-3503200	1	Flexible hose of brakes type IV	
	2	822-3503155	1	Union	
	3	M8	3	Nut	
	4	ШП8	2	Washer	
	5	80B-1602106-B	1	Elbow	
	6	M8x25	2	Bolt	
	7	822-3503701	2	Union	
	8	1522B-3503830	1	Pipe	
	9	1221B-1602610	1	Main cylinder	
	10	ШП10	2	Washer	
	11	M10	2	Nut	
	12	12x32	2	Pin	
	13	3,2x18	2	Cotter pin	
	14	80Y-1602143	1	Bushing	
	15	M8x35	1	Bolt	
	16	70-4616033 3ам.	1	Spring	
	17	5x36	1	Cotter pin	
	18	50-3503071	1	Washer	
	19	1522B-3503820	1	Pedal	
	20	80-1602116	1	Rod eye	
	21	M10x70	2	Bolt	
	22	1522B-3503016	1	Pipe	
	23	1522-3503550 -A	1	Working cylinder	
	24	822-3503702	1	Spring	
	25	M12x35	1	Bolt	
	26	ШП12	1	Washer	
	27	1522B-3503060	1	Lever	
	28	ШЧ12	1	Washer	
	29	4x22	2	Cotter pin	
	30	1522-3503013	1	Axle	
	31	1522B-3503016-01	1	Pipe	
	32	ШЧ16	1	Washer	
	33	1522-3503040-A	1	Bracket	
	34	923-3503221	1	Nipple	
	35	Д80-4607212	2	Nut	

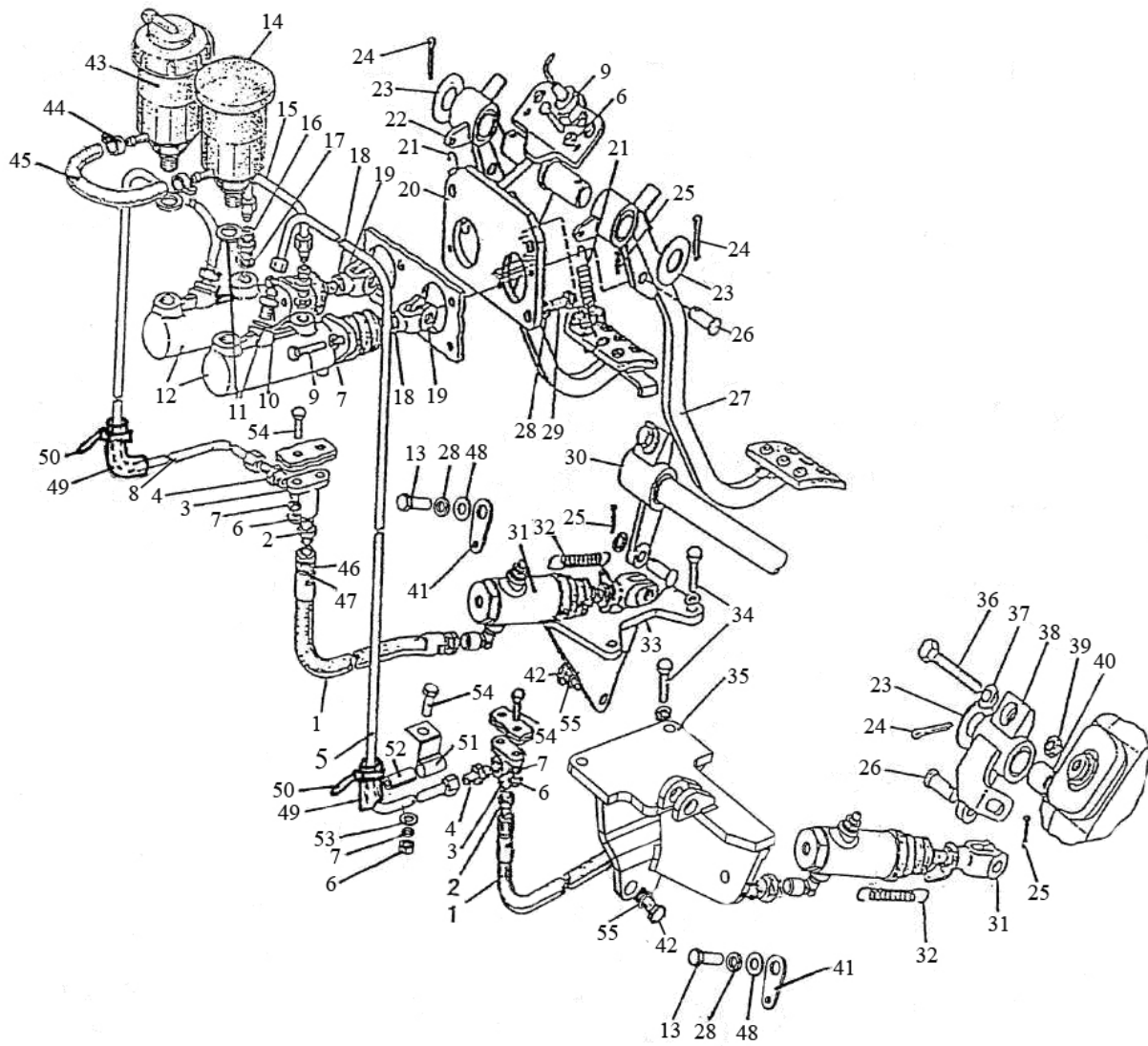


Fig. 80 Brakes control (variant with "wet" brakes)

Subgroup 3503. Brakes control (variant with “wet” brakes)

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
80		1523M-3503700	1	Brakes control (1-55)	
	1	923-3503200	2	Flexible hose of brakes type IV	
	2	822-3503155	2	Union	
	3	80B-1602106-B	2	Elbow	
	4	822-3503701	2	Union	
	5	1522-3503070	1	Pipe	
	6	M8	7	Nut	
	7	ШП8	9	Washer	
	8	1522-3503080	1	Pipe	
	9	M8x35	6	Bolt	
	10	822-3503084	2	Union	
	11	Д18-055А	4	Ring	
	12	A73067386	2	Cylinder "Meritor"	
	13	M10x30	2	Bolt	
	14	822-3503090	2	Tank	
	15	822-3503100	1	Pipe	
	16	822-3503083	2	Union	
	17	36-1104788	2	Gasket	
	18	M10	2	Nut	
	19	822-3502203	2	Fork	
	20	923-3503720	1	Bracket	
	21	70-4616033 3ам.	2	Spring	
	22	923-3503730	1	Right pedal	
	23	50-3503071	2	Washer	
	24	5x36	5	Cotter pin	
	25	3,2x18	4	Cotter pin	
	26	12x32	4	Pin	
	27	923-3503740	1	Left pedal	
	28	ШП10	9	Washer	
	29	M10x25	3	Bolt	
	30	1523M-3503045	1	Right lever	
	31	822-1602550-B	2	Working cylinder	
	32	50-1310158-B	2	Spring	
	33	1523M-3503040-B	1	Right bracket	
	34	M10x40	4	Bolt	
	35	1523M-3503030-B	1	Left bracket	
	36	70-3503019	2	Bolt	
	37	70-3503018	2	Washer	
	38	1523M-3503025	1	Left lever	
	39	M12x1,25	2	Lock nut	
	40	1523M-3503015	1	Shaft	
	41	923-1602116	2	Eye	
	42	M12x40	2	Bolt	
	43	822-3503090-01	1	Tank	
	44	12-20/9-C6W	2	Clamp “Norma”	
	45	822-3503098	1	Hose	
	46	923-3503221	4	Nipple	
	47	Д80-4607212	4	Nut	

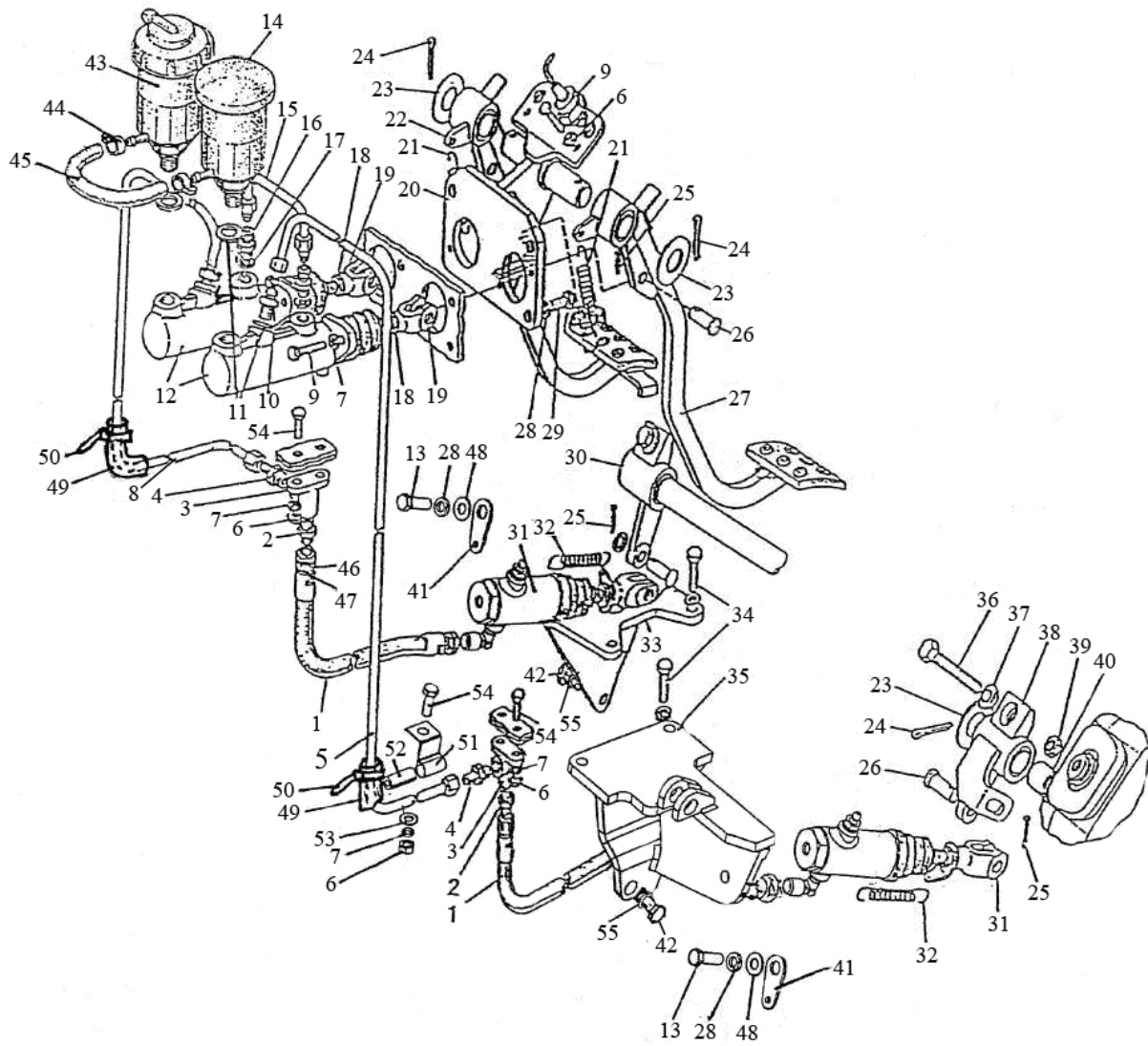


Fig. 80 Brakes control (variant with “wet” brakes)

Subgroup 3503. Brakes control (variant with “wet” brakes)

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
80	48	IIIЧ10	2	Washer	
	49	1522-3503703	2	Pipe	
	50	80-3723045	3	Collar	
	51	48-1104016	1	Clip	
	52	1522-2407317	1	Pipe	
	53	IIIЧ8	1	Washer	
	54	M8x25	5	Bolt	
	55	IIIП 12	2	Washer	

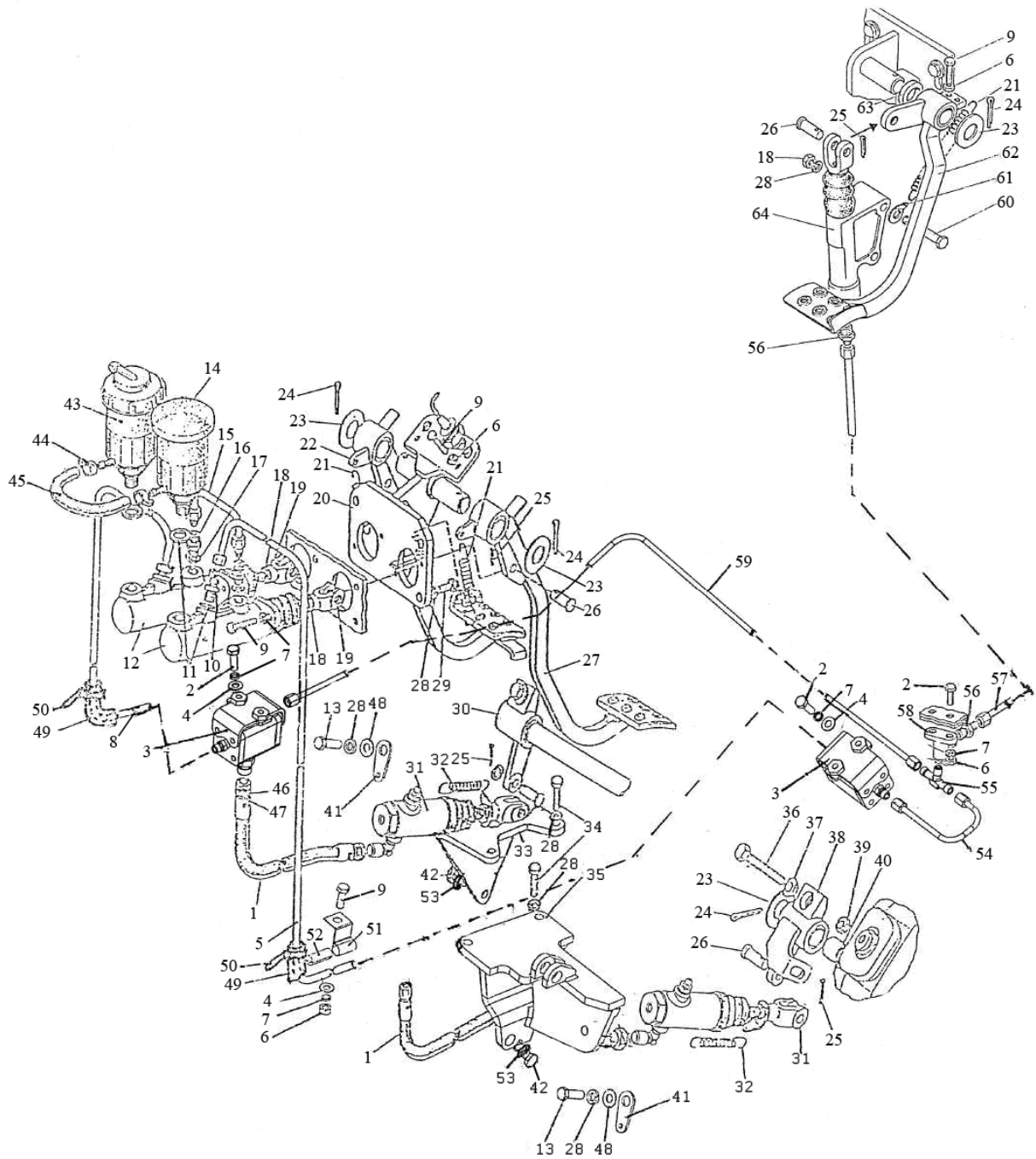


Fig. 81 Brakes control (variant with "wet" brakes)

Group 35

Subgroup 3503. Brakes control (variant with "wet" brakes)

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
81		1523B-3503700	1	Brakes control	
	1	923-3503200	1	Flexible hose of brakes type IV	
	2		7	Bolt M8-6gx25.88.35.019 ГОСТ 7796-70	
	3	2822-1602100-03	2	Cock	
	4		5	Washer C 8.01.08кп.019 ГОСТ 6958-78	
	5	1522-3503070	1	Pipe	
	6		6	Nut M8-6H.6.019 ГОСТ 5915-70	
	7		11	Washer 8T OCT 37.001.115-75	
	8	1522-3503080	1	Pipe	
	9		7	Bolt M8-6gx35.88.35.019 ГОСТ 7796-70	
	10	822-3503084	2	Union	
	11	Д18-055-A	4	Sealing ring	
	12		2	Cylinder "Meritor" A73067386	
	13		2	Bolt M10-6gx30.88.35.019 ГОСТ 7796-70	
	14	822-3503090	1	Tank	
	15	822-3503100	1	Pipe	
	16	822-3503083	2	Union	
	17	36-1104788	2	Gasket	
	18		4	Nut M1 0-6H.6.019 ГОСТ 5915-70	
	19	822-3502203	2	Fork	
	20	923-3503720	1	Bracket	
	21	70-4616033 зам	2	Spring	
	22	923-3503730	1	Right pedal	
	23	50-3503071	3	Washer	
	24		3	Cotter pin 5x36.019 ГОСТ 397-79	
	25		5	Cotter pin 3,2x18.019 ГОСТ 397-79	
	26		5	Pin 12x32 OCT 37.001.163-75	
	27	923-3503740	1	Left pedal	
	28		11	Washer 10 OT OCT 37.001.115-75	
	29		3	Bolt M10-6gx25.88.35.019 ГОСТ 7796-70	
	30	1523M-3503045	1	Lever	
	31	822-1602550-Б	2	Working cylinder	
	32	50-1310158-Б	2	Spring	
	33	1523M-3503040-Б	1	Right bracket	
	34		4	Bolt M10-6gx40.88.35.019 ГОСТ 7796-70	
	35	1523M-3503030-Б	1	Left bracket	
	36	70-3503019	2	Bolt	
	37	70-3503018	2	Washer	
	38	1523M-3503025	1	Lever	
	39		2	Nut M12x1,25-6H.04.019 ГОСТ 5916-70	

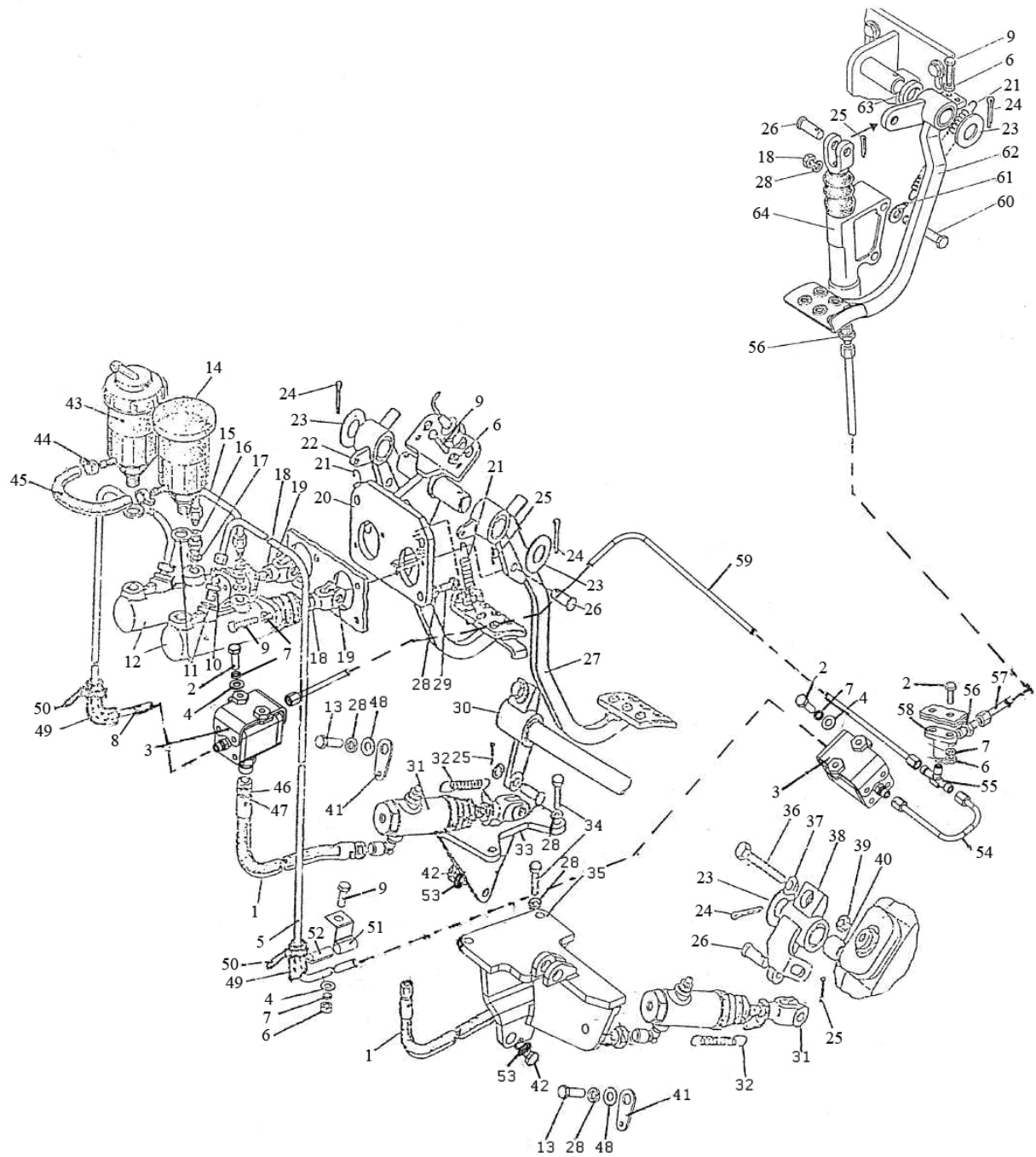


Fig. 81 Brakes control (variant with “wet” brakes)

Group 35

Subgroup 3503. Brakes control (variant with “wet” brakes)

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
81	40	1523M-3503015	1	Shaft	
	41	923-1602116	2	Eye	
	42		2	Bolt M12-6gx30.88.35.019 ГОСТ 7796-70	
	43	822-3503090-01	1	Tank	
	44		2	Clamp “Norma” TORRO 12-20/9-C6W	
	45	822-3503098	1	Hose	
	46	Д80-4607212	4	Nut	
	47	923-3503221	4	Nipple	
	48		2	Washer C 10.01.08кп.019 ГОСТ 11371-78	
	49	1522-3503703	2	Pipe	
	50	80-3723045	3	Collar	
	51	48-1104016	1	Clip	
	52	1522-2407317	1	Pipe	
	53		2	Washer 12 OT OCT 37.001.115-75	
	54	1523B-3503840	1	Pipe	
	55	1221-2407288	1	T-piece	
	56	822-3503701	2	Union	
	57	1522B-3503830	1	Pipe	
	58	80B-1602106-B	1	Elbow	
	59	1523B-3503850	1	Pipe	
	60		2	Bolt M10-6gx70.88.35.019 ГОСТ 7795-70	
	61	80-1602116	1	Eye	
	62	1522B-3503820	1	Pedal	
	63	80Y-1602143	1	Bushing	
	64	1221B-1602610	1	Main cylinder	

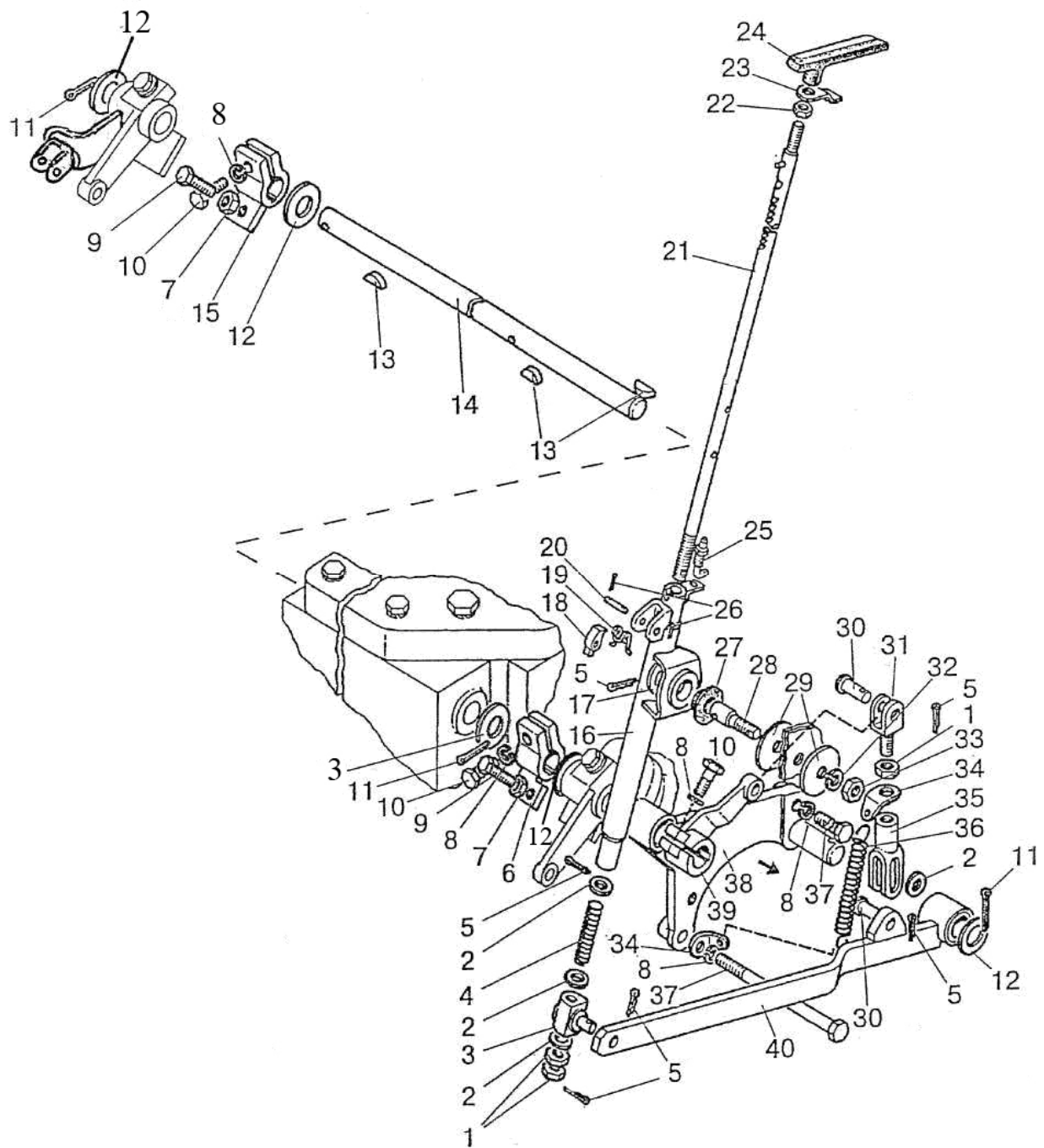


Fig. 82 Parking brakes control (dry)

Group 35

Subgroup 3507. Parking brakes control (dry).

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
82		1522-3507010		Brakes control	
		1522-3507020		Pull-out mechanism (5,16-24,26-28)	
		1522-3507160		Rod (1,31,34,35)	
	1	M12x1.25	3	Nut	
	2	IIIЧ12	4	Washer	
	3	1522-3507012	1	Pivot	
	4	77.55.230	1	Spring	
	5	4x25	6	Cotter pin	
	6	1522-3507050	1	Lever	
		1522B-3503060	1	Lever (for reverse)	
	7	M12	2	Nut	
	8	IIIП 12	5	Washer	
	9	M12x40	2	Bolt	
	10	M12x35	3	Bolt	
	11	5x36	5	Cotter pin	
	12	50-3503071	5	Washer	
	13	СIII-611	3	Key	
	14	1522-3507015	1	Shaft	
	15	1522-3507045	1	Lever	
	16	1522-3507030-A	1	Bracket	
	17	IIIЧ18	1	Washer	
	18	1522-3507022	1	Lock	
	19	1522-3507024	1	Spring	
	20	1522-3507029	1	Pin	
	21	1522-3507025	1	Rod	
	22	52-2203013	1	Nut	
	23	1522-3507023	1	Rest	
	24	1522-3507021-A	1	Handle	
	25	BK409	1	Switch	
	26	1,6x12	2	Cotter pin	
	27	1522-3507028	1	Bushing	
	28	1522-3507038	1	Axle	
	29	1522-3507013	2	Washer	
	30	12x32	2	Pin	
	31	1021-3507161	1	Rod	
	32	IIIП14	1	Washer	
	33	M14x1,5	1	Nut	
	34	80-1602116	2	Eye	
	35	80B-3503551	1	Fork	
	36	80B-4616014-A	1	Spring	
	37	1522-2409034-01	2	Bolt	
	38	1522-3507070	1	Bracket	
	39	1522-3507060	1	Lever	
	40	1522-3507040	1	Lever	

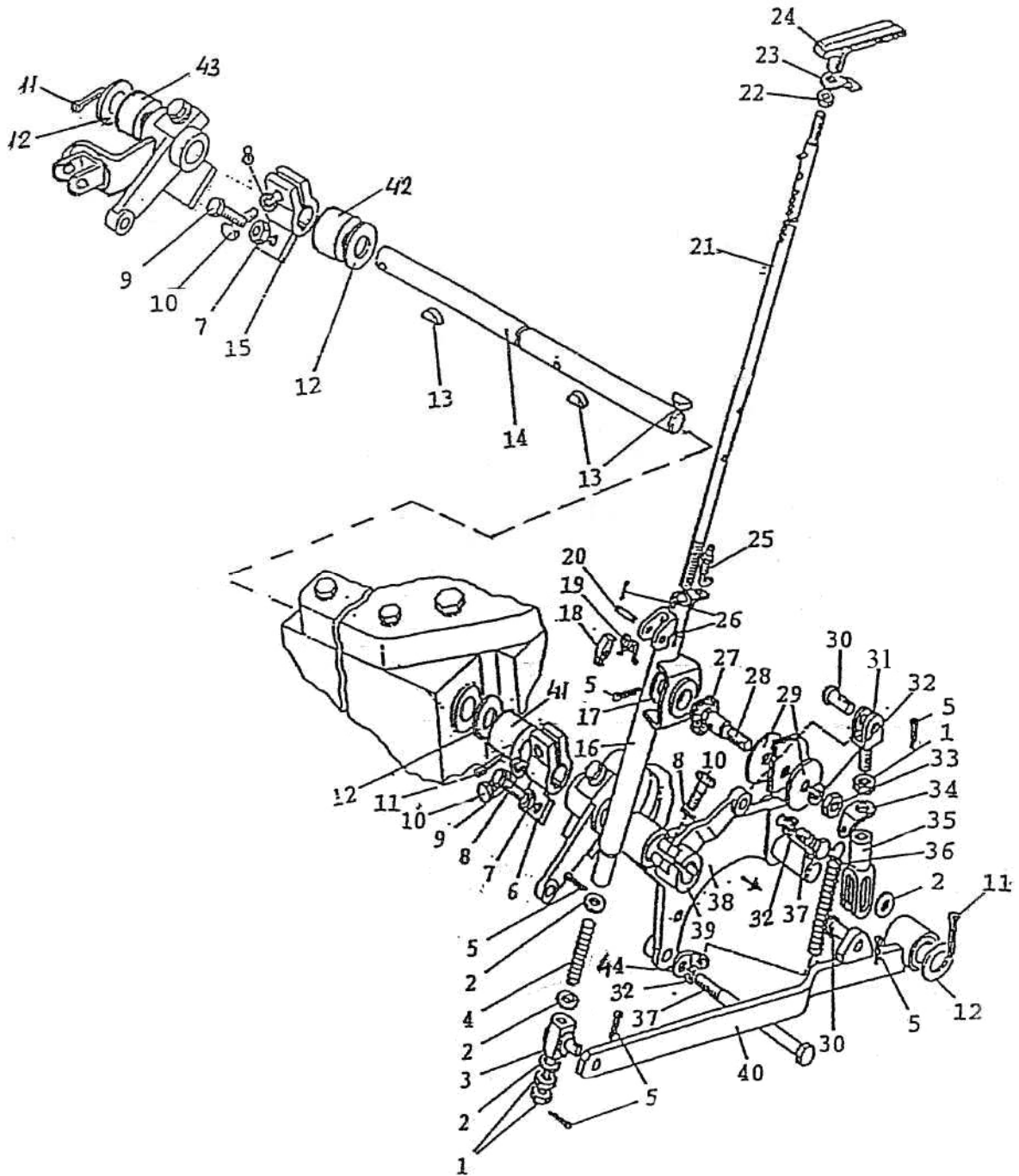


Fig. 83 "Wet" parking brake control

Group 35

Subgroup 3507. Parking brake control (wet).

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
83		1522M-3507010		Brakes control	
		1522-3507020		Pull-out mechanism (5, 16-24, 26-28)	
		1522-3507160		Rod (1,31,34,35)	
	1	M12x1,25	3	Nut	
	2	IIIЧ12	5	Washer	
	3	1522-3507012	1	Pivot	
	4	77.55.230	1	Spring	
	5	4x25	6	Cotter pin	
	6	1522-3507050	1	Lever	
		1522B-3503060	1	Lever (for reverse)	
	7	M12	2	Nut	
	8	IIII12	3	Washer	
	9	M12X40	2	Bolt	
	10	M12x35	3	Bolt	
	11	5x36	3	Cotter pin	
	12	50-3503071	6	Washer	
	13	CIII-611	3	Key	
	14	1522M-3503015	1	Shaft	
	15	1522-3507045	1	Lever	
	16	1522-3507030-A	1	Bracket	
	17	IIIЧ18	1	Washer	
	18	1522-3507022	1	Lock	
	19	1522-3507024	1	Spring	
	20	1522-3507029	1	Pin	
	21	1522-3507025	1	Rod	
	22	52-2203013	1	Nut	
	23	1522-3507023	1	Rest	
	24	1522-3507021-A	1	Handle	
	25	BK409	1	Switch	
	26	1,6x12	2	Cotter pin	
	27	1522-3507028	1	Bushing	
	28	1522-3507038	1	Axle	
	29	1522-3507013	2	Washer	
	30	12x32	2	Pin	
	31	1021-3507161	1	Rod	
	32	IIII14	3	Washer	
	33	M14x1,5	1	Nut	
	34	80-1602116	1	Eye	
	35	80B-3503551	1	Fork	
	36	80B-4616014-A	1	Spring	
	37	1221M-3502039-02	2	Bolt	
	38	1522M-3507070	1	Bracket	

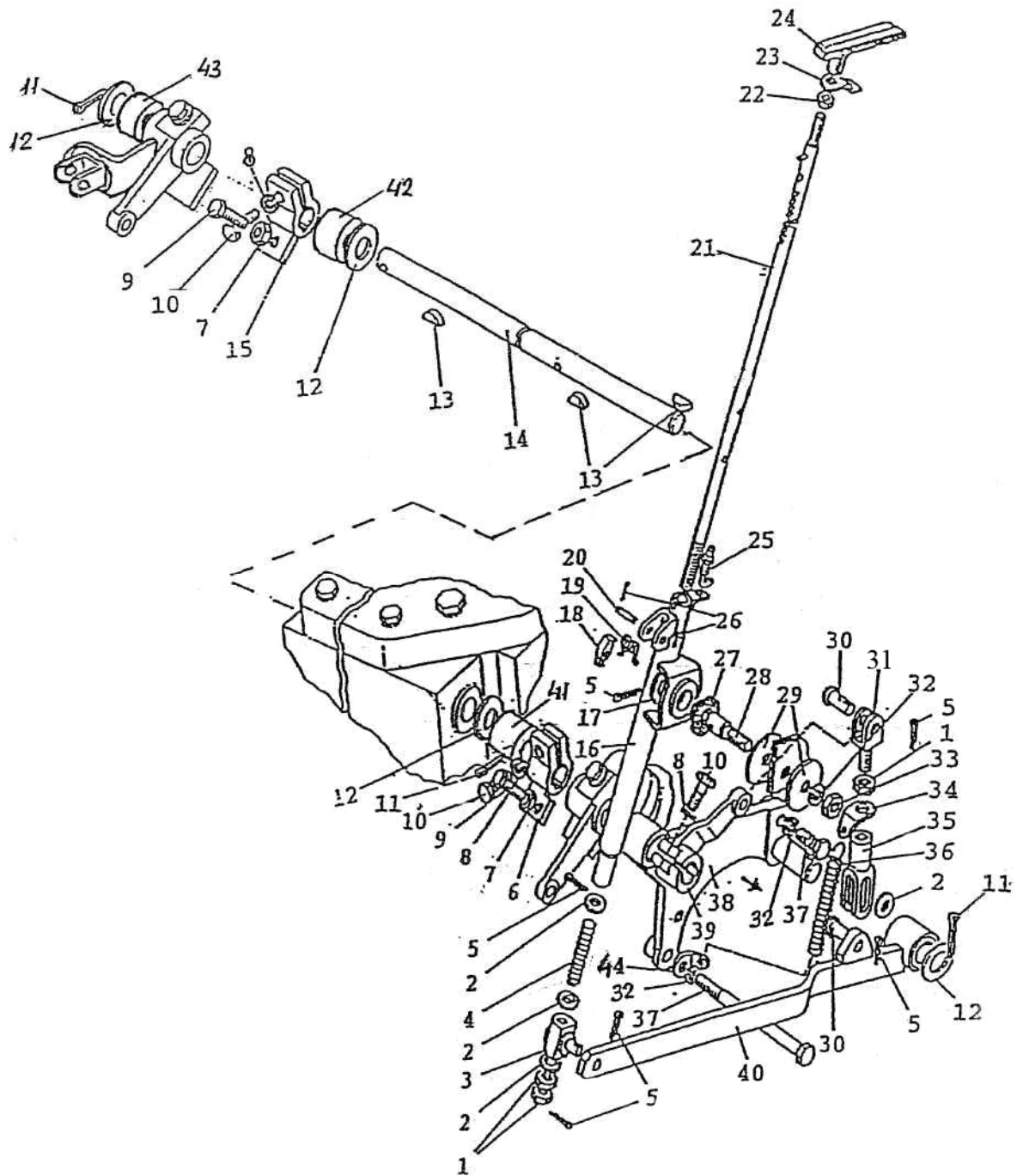


Fig. 83 "Wet" parking brake control

Group 35

Subgroup 3507. Parking brake control (wet).

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
83	39	1522-3507060	1	Lever	
	40	1522M-3507040	1	Lever	
	41	1221M-3503016-02	1	Bushing	
	42	1221M-3503016-01	1	Bushing	
	43	1221M-3503016	1	Bushing	
	44	80-1602116-01	1	Eye	

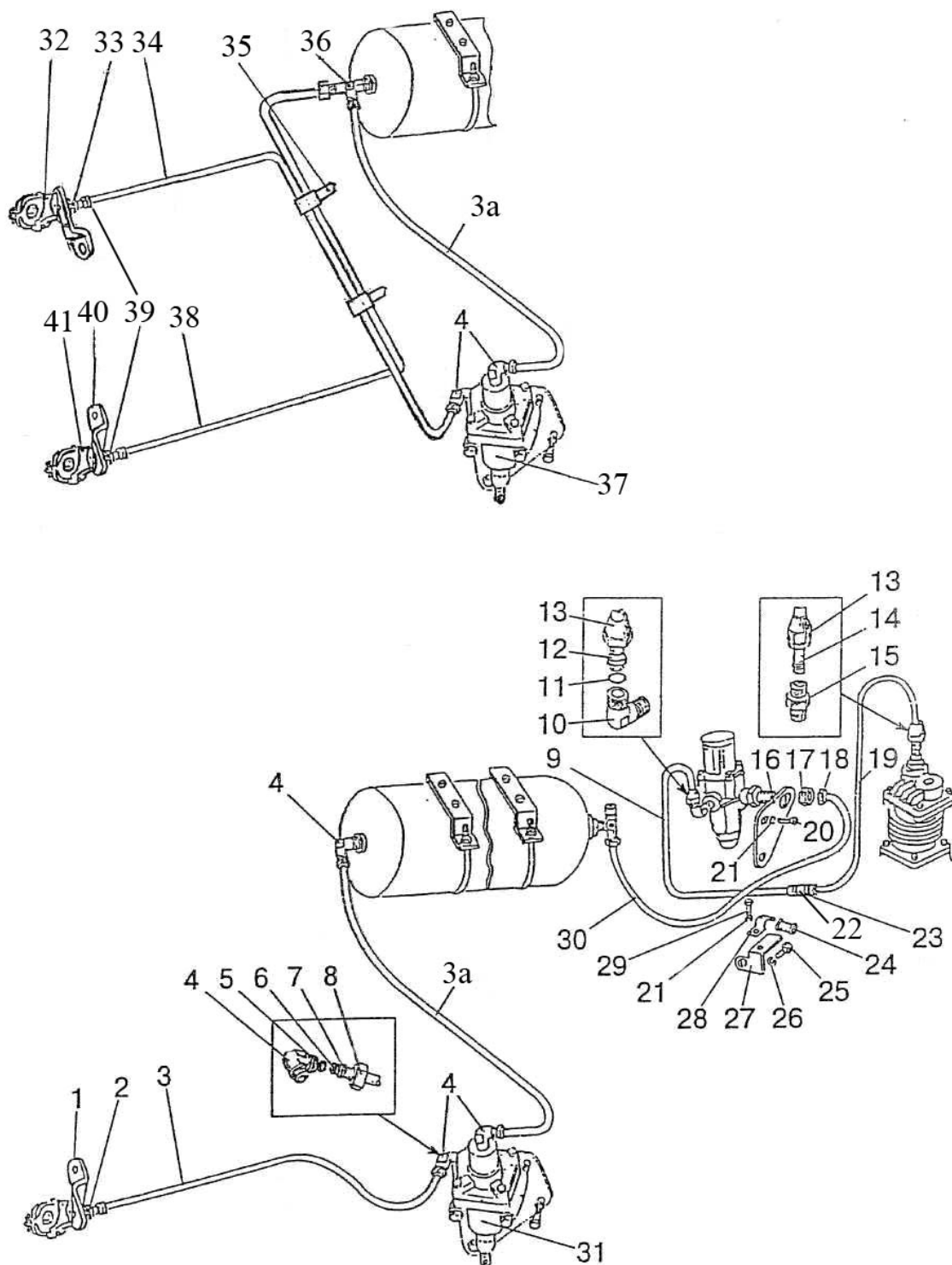


Fig. 84 Pipelines and air-powered drive fittings of trailer brakes

Group 35. Brakes

Subgroup 3506. Pipelines and air-powered drive fittings of trailer brakes.

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
84		1522-3506010	1	Pipeline (13,14,19)	
		1522-3506020	1	Pipeline (6-8,18,30)	
		1522-3506020-01	1	Pipeline (3,3a,6,7,8)	
		1522-3506030	1	Pipeline (9,12,13)	
		1522M-3506040	1	Pipeline (3,6,7,8)	
		1522M-3506050	1	Pipeline (3a,6,7,8)	
		1522-3506520	1	Pipeline (6,7,8,38)	
		1021-3506020-03	1	Pipeline (6,7,8,34).	
	1	1522-3521011	1	Bracket	
	2	1522-3521012	1	Union	
	3	1522-3506021-01	1	Pipe	
		1522M-3506041**	1	Pipe	
	3a	1522-3506021-01	1	Pipe	
		1522M-3506051**	1	Pipe	
	4	1522-3514033	3	Elbow	
	5	012-015-19-2-4	6/8	Ring	
	6	1522-3506022	6/8	Nipple	
	7	1522-3506024	6/8	Coupling	
	8	1522-3506023	5/6	Nut	
	9	1522-3506031	1	Pipe	
	10	70-3506033	1	Elbow	
	11	014-017-19-2-4	1	Ring	
	12	70-3506028	1	Coupling	
	13	70-3506023	2	Cap nut	
	14	80-3506024	1	Coupling	
	15	70-3506022	1	Union	
	16	1522-3512012	1	Bracket	
	17	80-3512006	1	Lock nut	
	18	1522-3506026	1	Cap nut	
	19	1522-3506011	1	Pipe	
	20	M8x30	2	Bolt	
	21	IIIPI 8	3	Washer	
	22	70-1405013	1	Hose	
	23		2	Clamp "NORMA" TORRO 16-22/9-C6W	
	24	70-3506027	1	Bushing	
	25	Ml 6x32	1	Bolt	
	26	IIIPI16	1	Washer	
	27	1221-3506034	1	Bracket	
	28	70-6804011	1	Holder	

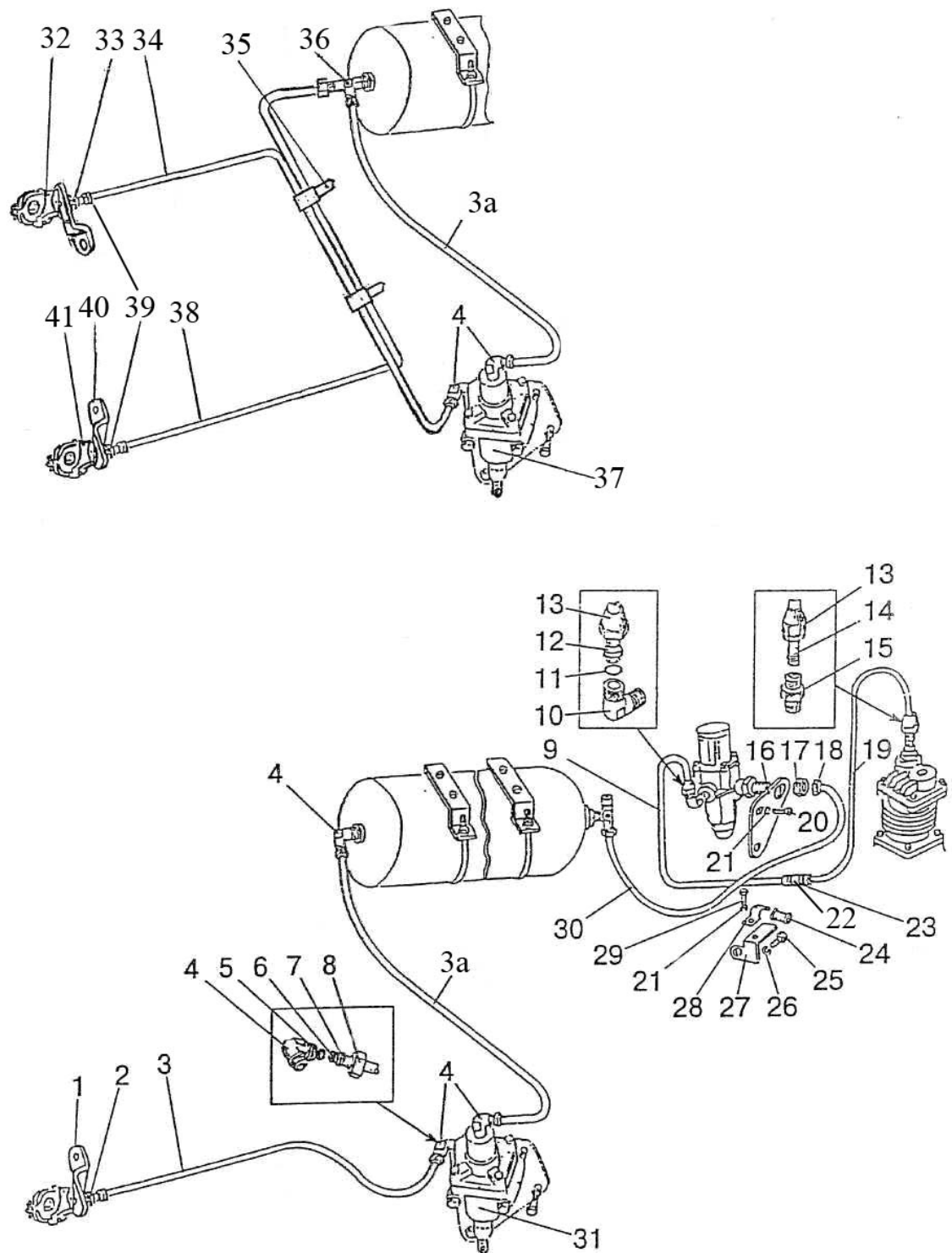


Fig. 84 Pipelines and air-powered drive fittings of trailer brakes

Group 35. Brakes

Subgroup 3506. Pipelines and air-powered drive fittings of trailer brakes.

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
84	29	M8x16	1	Bolt	
	30	1522-3506021	1	Pipe	
	31	80-3514010	1	Brake valve	
		A29.351.4010*	1	Brake valve	
	32	64226-3521111	1	Coupling head	
	33	1522-3521512	1	Bracket	
	34	1021-3506021-03	1	Pipe	
	35	80-3723045	2	Collar	
	36	1522-3513551	1	T-piece	
	37	80-3514010-02	1	Brake valve	
		A29.351.4010-02*	1	Brake valve	
	38	1522-3506521	1	Pipe	
	39	1522-3521513	2	Union	
	40	1522-3521511	1	Bracket	
	41	64226-3521110	1	Coupling head	

* As variant

** For brakes in oil

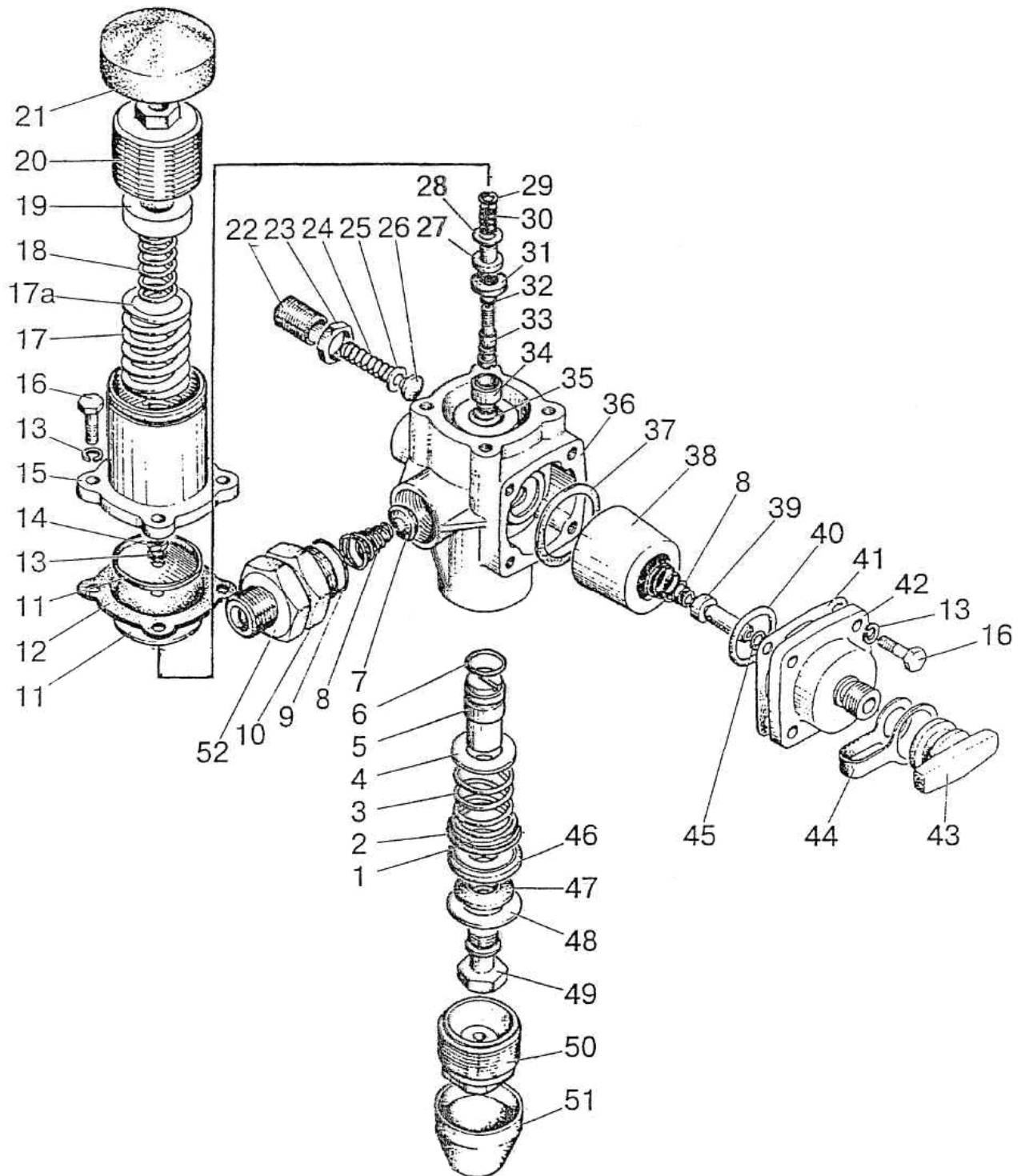


Fig. 85 Pressure regulator

Group 35

Subgroup 3512. Pressure regulator

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
85		80-3512010 A29.51.000Б* 11.3512010-30*	1	Pressure regulator assembly (1-10,12-53)	
		80-3512020	1	Valve (3-6,48-51)	
		80-3512141	1	Diaphragm (11-14, 27-33)	
	1	80-3512113	1	Gasket	
	2	036-040-25-1-4	1	Ring	
	3	80-3512026	1	Spring	
	4	80-3512027	1	Washer	
	5	80-3512028	1	Piston	
	6	016-020-25-2-2	1	Ring	
	7	80-3512110	1	Valve	
	8	80-3512131	2	Spring	
	9	024-028-25-2-2	1	Ring	
	10	80-3512111	1	Union	
	11	80-3512032	2	Washer	
	12	80-3512050	1	Diaphragm	
	13	IIIП6	9	Washer	
	14	M6	1	Nut	
	15	80-3512106	1	Housing	
	16	M6x20	8	Bolt	
	17	80-3512104	1	Spring	
	17a	80-3512109	1	Cap	
	18	80-3512105	1	Spring	
	19	80-3512109-01	1	Cap	
	20	80-3512107	1	Cover	
	21	80-3512108	1	Cap	
	22	80-3512134	1	Screw	
	23	80-3512115	1	Nut	
	24	80-3512116	1	Spring	
	25	80-3512129	1	Washer	
	26	80-3512130	1	Valve	
	27	80-3512036	1	Bushing	
	28	80-3512143	1	Washer	
	29	80-3512142	1	Gasket	
	30	80-3512034	1	Spring	
	31	80-3512037	1	Valve	
	32	007-010-19-1-3	1	Ring	
	33	80-3512038	1	Spool	

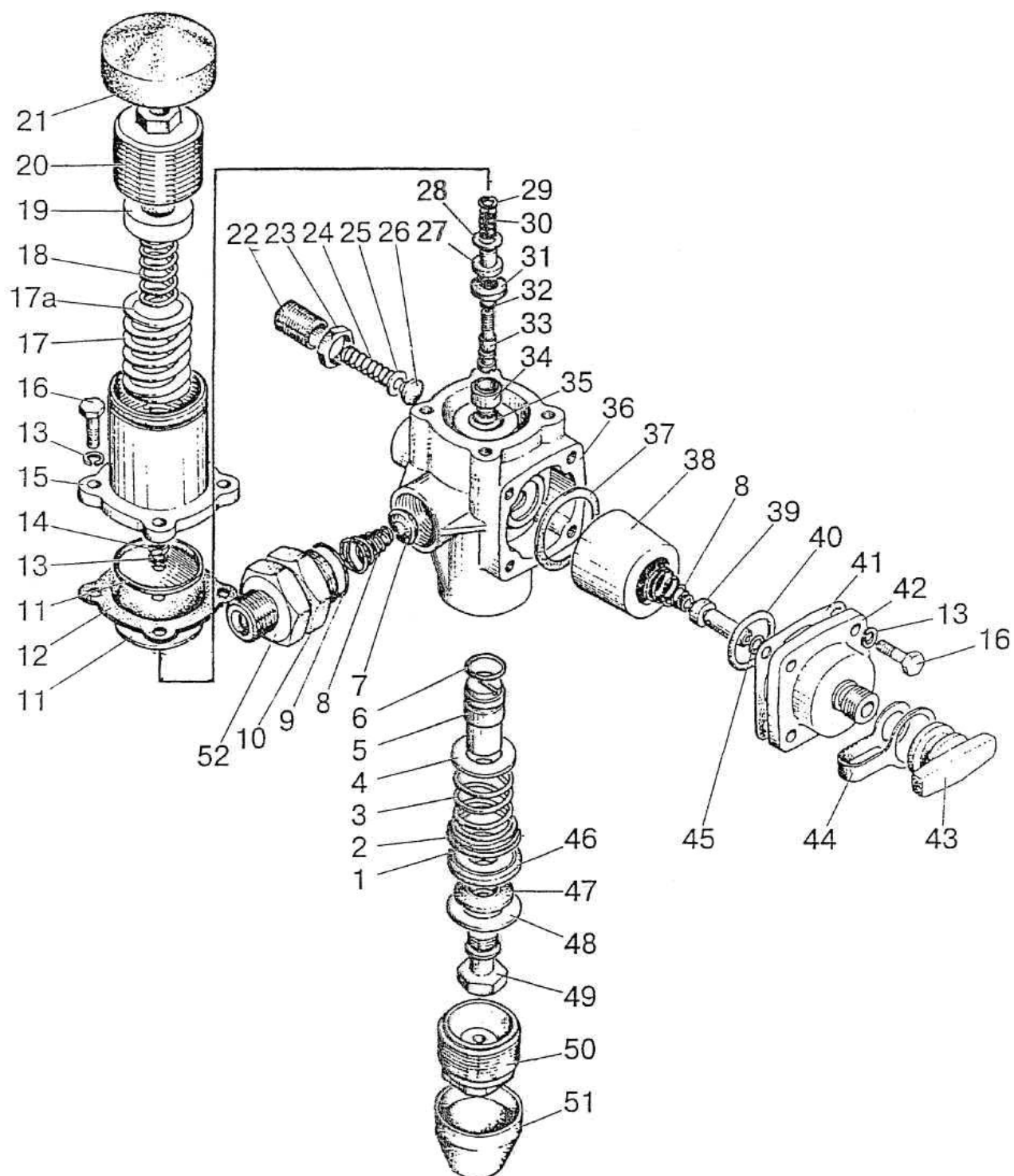


Fig. 85 Pressure regulator

Group 35**Subgroup 3512. Pressure regulator**

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
85	34	80-3512103	1	Seat	
	35	80-3512133	1	Gasket	
	36	80-3512040	1	Housing	
	37	80-3512127	1	Gasket	
	38	80-3512119	1	Filter	
	39	80-3512122	1	Tappet	
	40	024-030-36-2-3	1	Ring	
	41	80-3512125	1	Gasket	
	42	80-3512123	1	Cover	
	43	105.069.05.005	1	Nut	
	44	105.069.05.006	1	Band	
	45	006-010-25-1-4	1	Ring	
	46	80-3512022	1	Seat	
	47	80-3512023	1	Bushing	
	48	80-3512021	1	Washer	
	49	80-3512024	1	Rod	
	50	80-3512102	1	Cover	
	51	80-3512101	1	Cover plate	
	52	80-3512006	1	Lock nut	

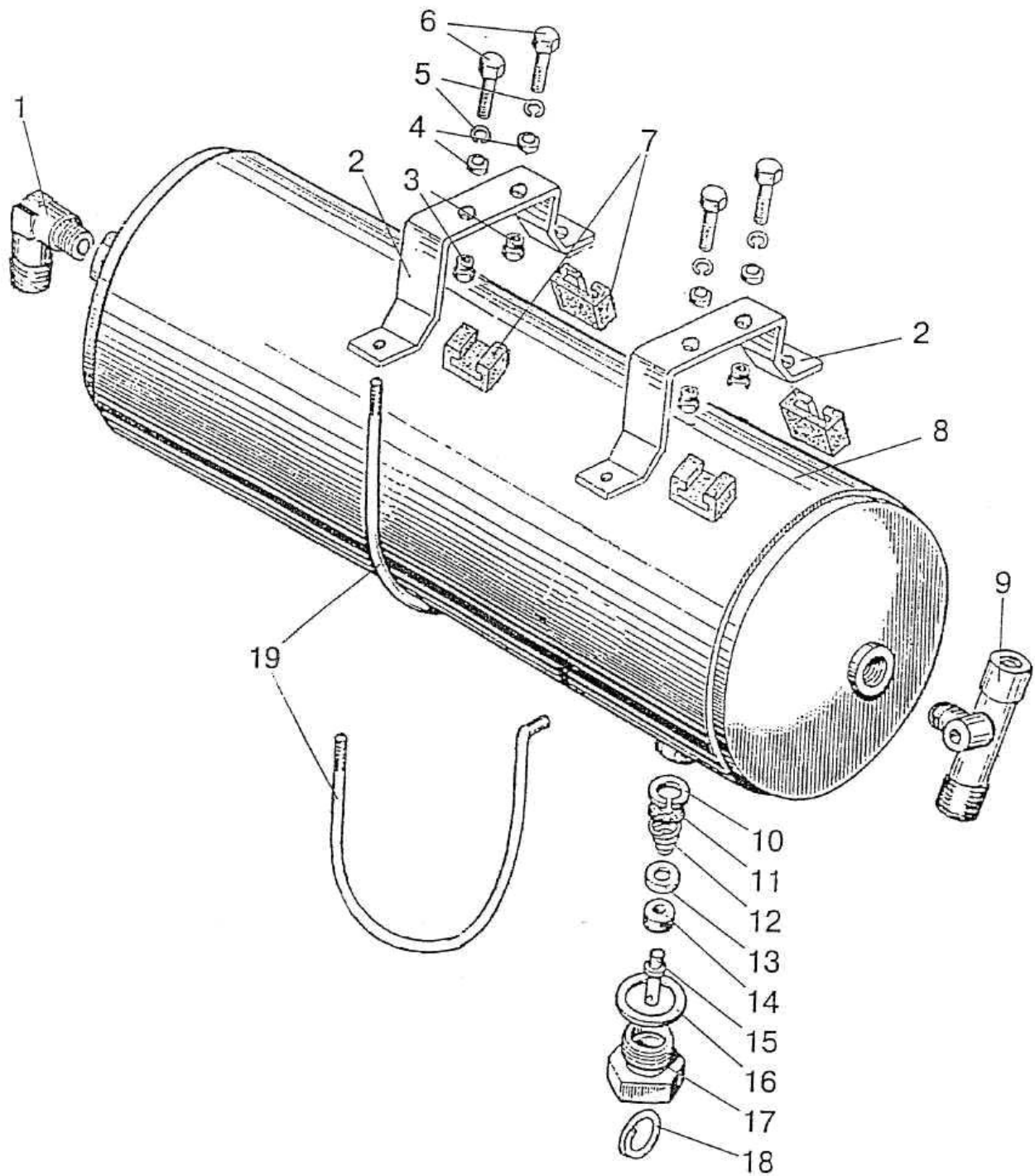


Fig. 86 Ballon

Group 35**Subgroup 3513. Ballon**

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
86		85-3513110	1	Valve (10-17)	
	1	1522-3514033	1	Elbow	
	2	B50-3513025-A	2	Bracket	
	3	1522-3513011	4	Nut	
	4	1522-3513012	4	Bushing	
	5	IIIП10	4	Washer	
	6	M10x45	4	Bolt	
	7	ПП-43-01	4	Sealing	
	8	50-3513015-A	1	Ballon	
	9	1522-3513015	1	Cross	
	10	85-3513128	1	Ring	
	11	85-3513117	1	Filter	
	12	85-3513125	1	Spring	
	13	85-3513112-A1	1	Dish	
	14	85-3513113	1	Valve	
	15	85-3513124	1	Tappet	
	16	B50-3522023	1	Gasket	
	17	85-3513120	1	Housing	
	18	H50-4202146	1	Ring	
	19	B50-3513032	2	Clip	

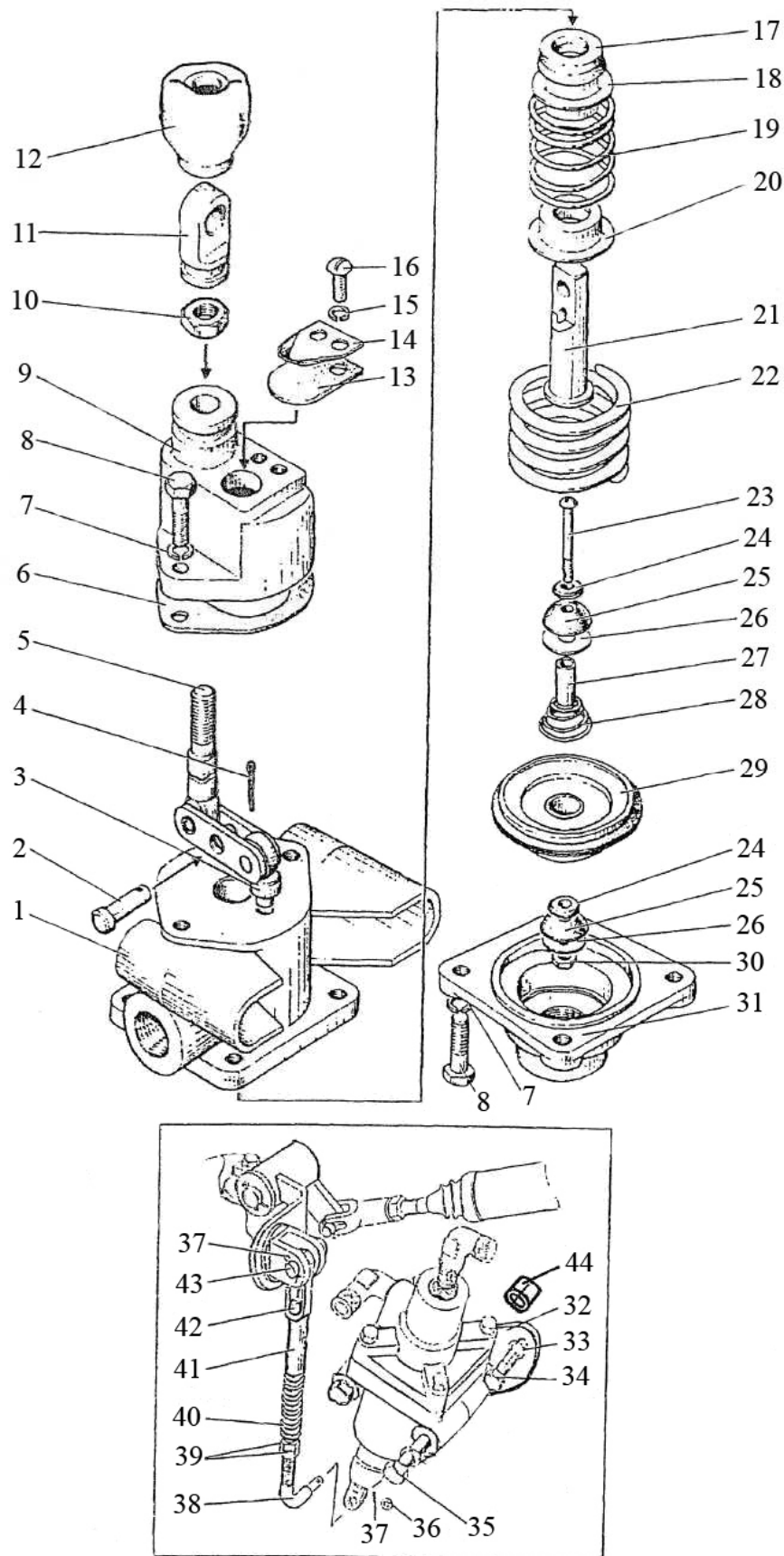


Fig. 87 Brake valve

Group 35. Brakes

Subgroup 3514. Brake valve

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
87		80-3514010	1	Brake valve	
		80-3514010-01*	1	Brake valve	
		A 29.351.4010*	1	Brake valve	
		A 29.351.4010-01*	1	Brake valve	
		14.3514010*	1	Brake valve	
		80-3514020	1	Diaphragm (23-30)	
		80-3514060	1	Housing (1,3,17)	
		1522-3514120	1	Rod (38-42)	
		1522M-3514120**	1	Rod	
	1	80-3514061	1	Housing	
	2	6x18	1	Pin	
	3	80-3514063	1	Pin	
	4	2x12	1	Cotter pin	
	5	80-3514070	1	Rod	
	6	ШКЯМ 188.00.02	1	Gasket	
	7	ШП6	6	Washer	
	8	M6x20	6	Bolt	
	9	80-3514084	1	Cover	
	10	M8	1	Nut	
	11	80-3514017	1	Rod eye	
	12	80-3514016	1	Hood	
	13	80-3514019	1	Valve	
	14	80-3514018	1	Clamp	
	15	ШП5	2	Washer	
	16	BM5x12	2	Screw	
	17	80-3514062	1	Collar	
	18	80-3514087	1	Bushing	
	19	80-3514014	1	Spring	
	20	80-3514013	1	Spring plate	
	21	80-3514082	1	Rod	
	22	80-3514012	1	Spring	
	23	80-3514023	1	Screw	
	24	80-3514021	2	Washer	
	25	80-3514026	2	Valve	
	26	80-3514027	2	Washer	
	27	80-3514022	1	Pipe	
	28	80-3514024	1	Spring	

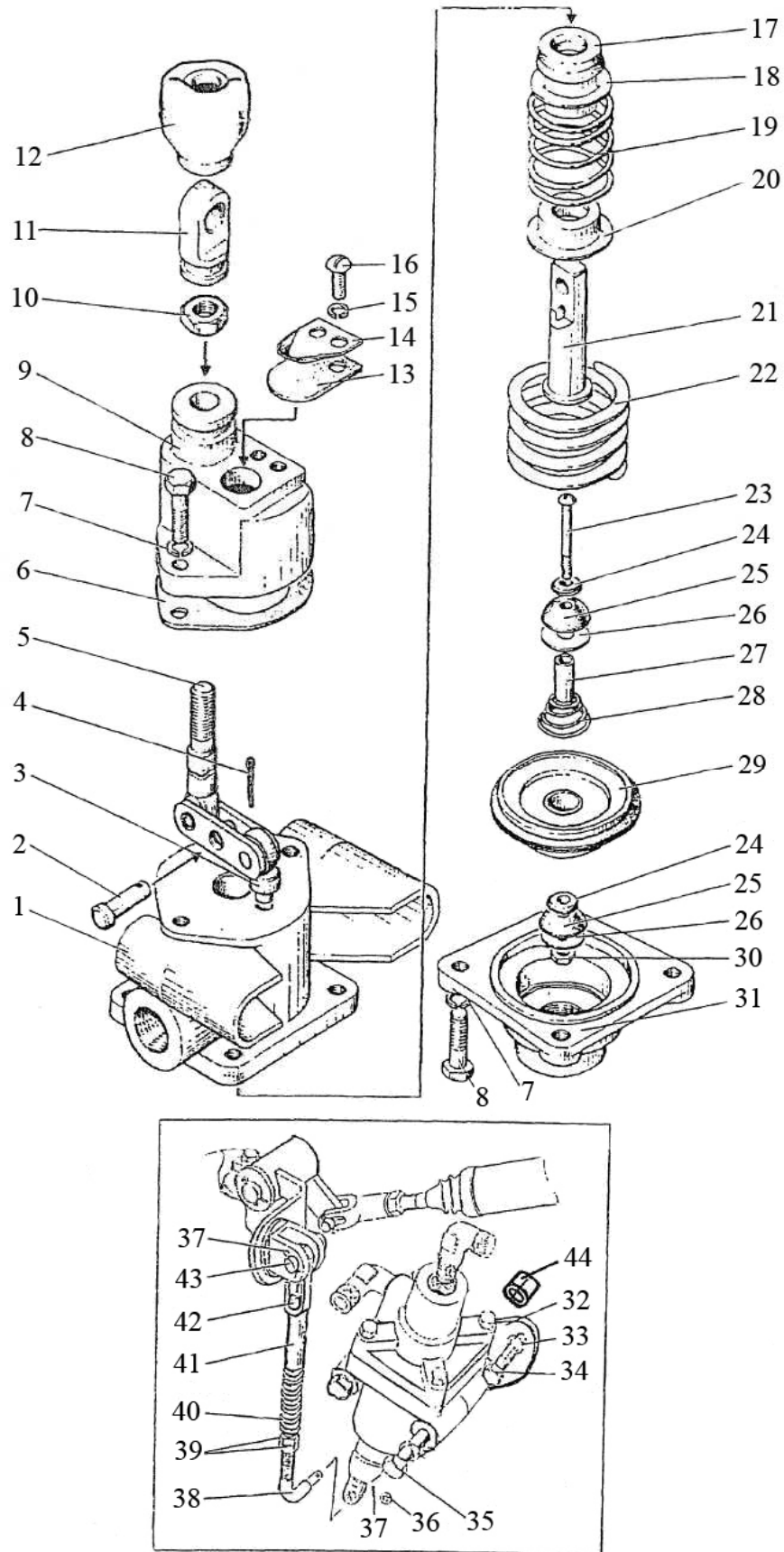


Fig. 87 Brake valve

Group 35. Brakes

Subgroup 3514. Brake valve

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
87	29	80-3514040	1	Diaphragm	
	30	M4	1	Nut	
	31	80-3514083	1	Cover	
	32	1522-3514011	1	Bracket	
		1522M-3514012**	1	Plate	
	33	ШП10	3	Washer	
	34	M10x40	1	Bolt	
	35	M10x70	2	Bolt	
		1522M-3514014**	2	Bolt	
	36	ШЧ8	1	Washer	
	37	3,2x18	2	Cotter pin	
	38	1522-3514121	1	Rod	
		1522M-3514121**	1	Rod	
	39	M12x1,25	2	Nut	
	40	ДСШ-14.21.141	1	Spring	
	41	80-3514132	1	Tip	
	42	80-3514133	1	Nut	
	43	12x32	1	Pin	
	44	1522M-3514013**	2	Lug-boss	

* Variant of supply

** For brakes in oil

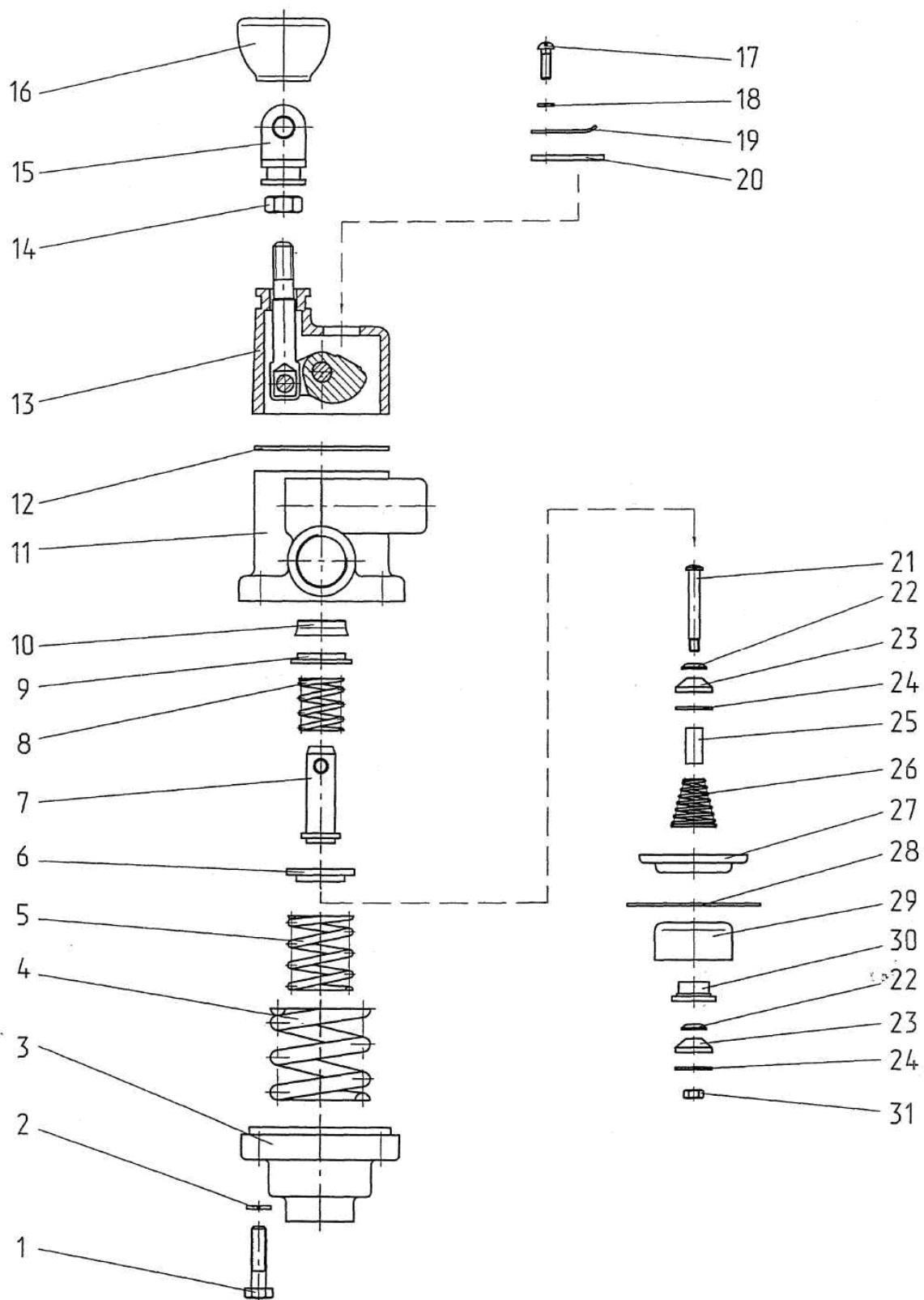


Fig. 88 Brake valve

Group 35. Brakes

Subgroup 3514. Brake valve

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
88		80-3514010-02	1	Brake valve	
		A29.351.4010-02*	1	Brake valve	
		80-3514020	1	Diaphragm (27-30)	
		80-3514020-02	1	Diaphragm (21-31)	
		ШКЯМ 188.01.000	1	Cover with rod (13)	
	1	M6x25	6	Bolt	
	2	6T	6	Washer	
	3	80-3514083	1	Cover	
	4	80-3514012	1	Spring	
	5	80-3514014	1	Spring	
	6	ШКЯМ 188.00.005	1	Dish	
	7	ШКЯМ 188.00.001	1	Rod	
	8	ШКЯМ 188.00.006	1	Spring	
	9	ШКЯМ 188.00.003	1	Ring	
	10	80-3514062	1	Collar	
	11	80-3514061	1	Housing	
	12	ШКЯМ 188.00.002	4 pcs. max	Gasket	
	13	ШКЯМ 188.00.000	1	Cover with rod	
	14	M8	1	Nut	
	15	80-3514017	1	Rod eye	
	16	ШКЯМ 251.00.016	1	Hood	
	17	BM4	2	Screw	
	18	ШП 4	2	Washer	
	19	80-3514018	1	Clamp	
	20	80-3514019	1	Valve	
	21	80-3514023	1	Screw	
	22	80-3514025	2	Washer	
	23	80-3514028	2	Valve	
	24	80-3514027	2	Washer	
	25	80-3514022	1	Pipe	
	26	80-3514024	1	Spring	
	27	80-3514042	1	Spring plate	
	28	80-3514044	2	Diaphragm	
	29	80-3514041	1	Cage	
	30	80-3514043	1	Bush ring	
	31	M4	1	Nut	

* Variant of supply

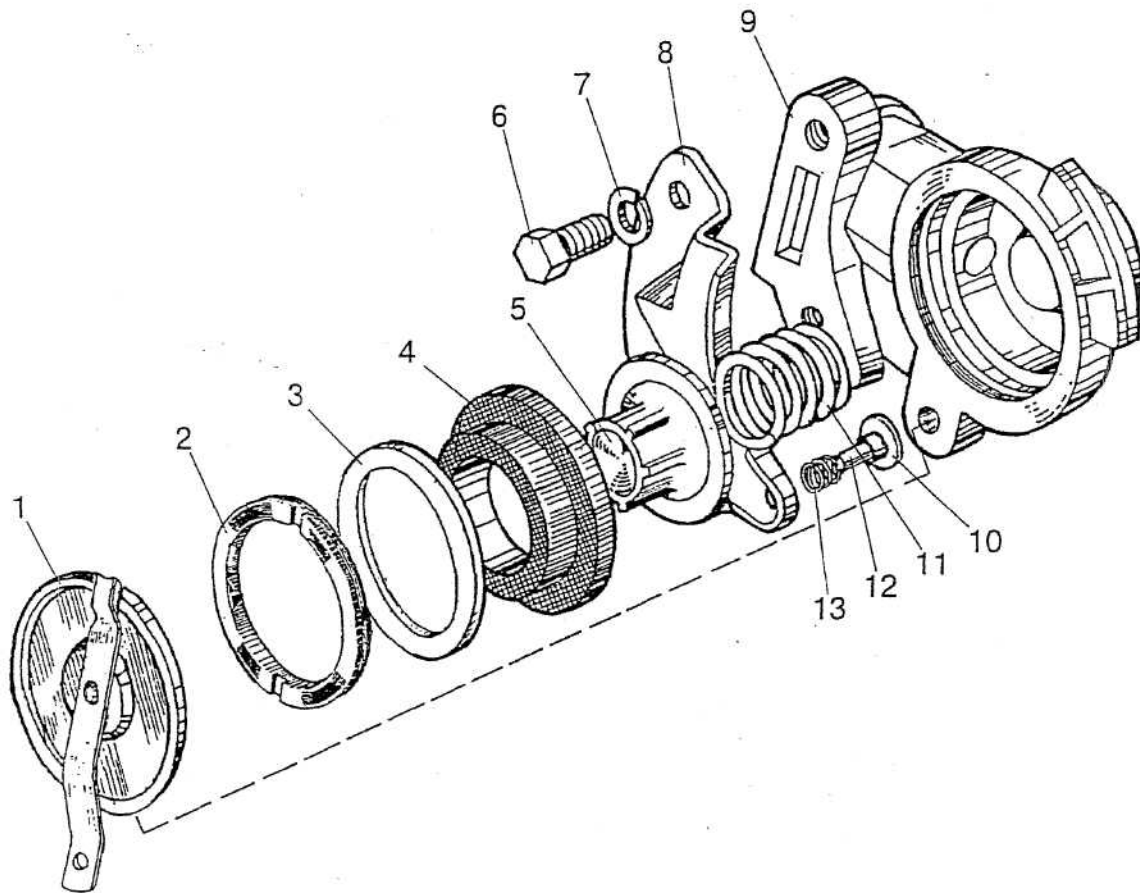


Fig. 89 Coupling head

Group 35

Subgroup 3521. Coupling head

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
89		80-3521010	1	Coupling head (1-13)	
	1	ШКЯМ 1.010-04	1	Stopper	
	2	105.069.11.005	1	Nut	
	3	105.069.11.004	1	Gasket	
	4	105.069. 11.003	1	Ring	
	5	ШКЯМ 186.002	1	Valve	
	6	M6x14	2	Bolt	
	7	ШП6	2	Washer	
	8	80-3521018	1	Lock	
	9	80-3521017	1	Housing	
	10	ШКЯМ 252.00.001	1	Bushing	
	11	105.069.11.007	1	Spring	
	12	ШКЯМ 252.00.C03	1	Axle	
	13	ШКЯМ 252.00.002	1	Spring	
		A29.76.000*	1	Coupling head	
		12.352101-01*			

*As version.

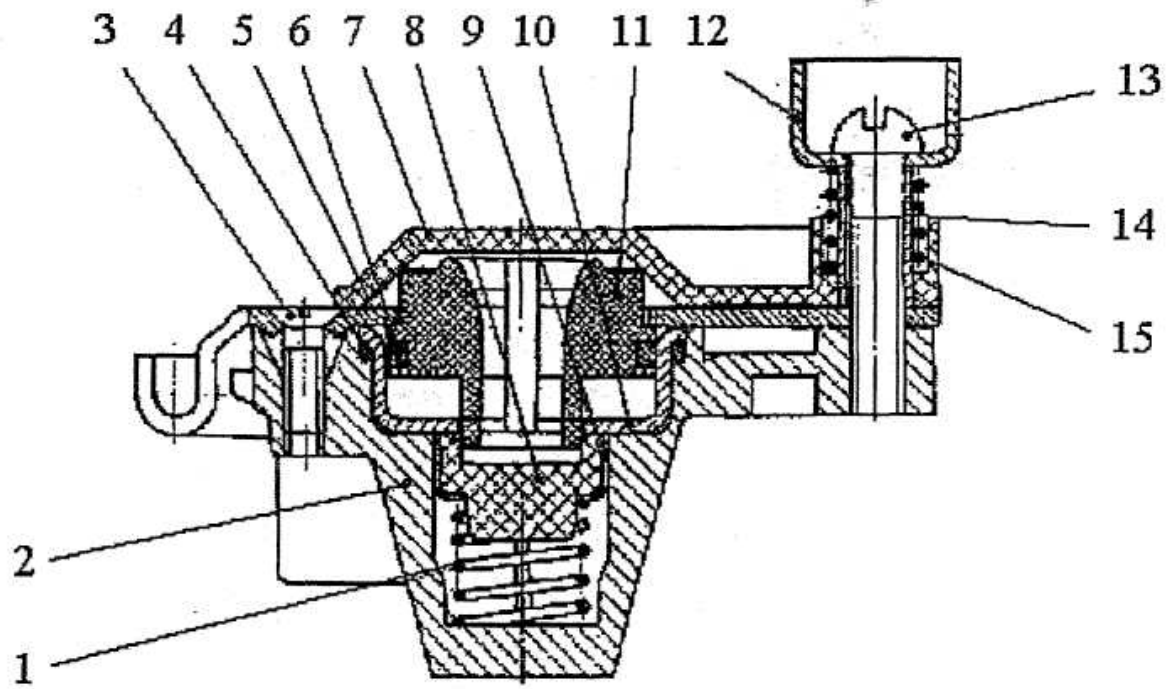


Fig. 90 Coupling head

Group 35. Brakes

Subgroup 3521. Coupling head

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
90		64226-3521110	1	Coupling head	
		64226-3521111	1	Coupling head	
	1	64226-3521148	1	Spring	
	2	64226-3521124	1	Housing	
	3	M4x14	2	Screw	
	4		1	Ring 025-030-30	
	5	64226-3521127	1	Cover	
		64226-3521126*	1	Cover	
	6		1	Ring 033-036-19-2-2	
	7	64226-3521144	1	Cover (red)	
		64226-3521144*	1	Cover (yellow)	
	8	64226-3521142	1	Valve	
	9	64226-3521138	1	Seat	
	10	64226-3521136	1	Cup	
	11	64226-3521134	1	Piston	
	12	64226-3521117	1	Guide	
	13	M6x28	1	Screw	
	14	64226-3521140	1	Bushing	
	15	64226-3521146	1	Spring	

* For coupling head 64226-3521110.

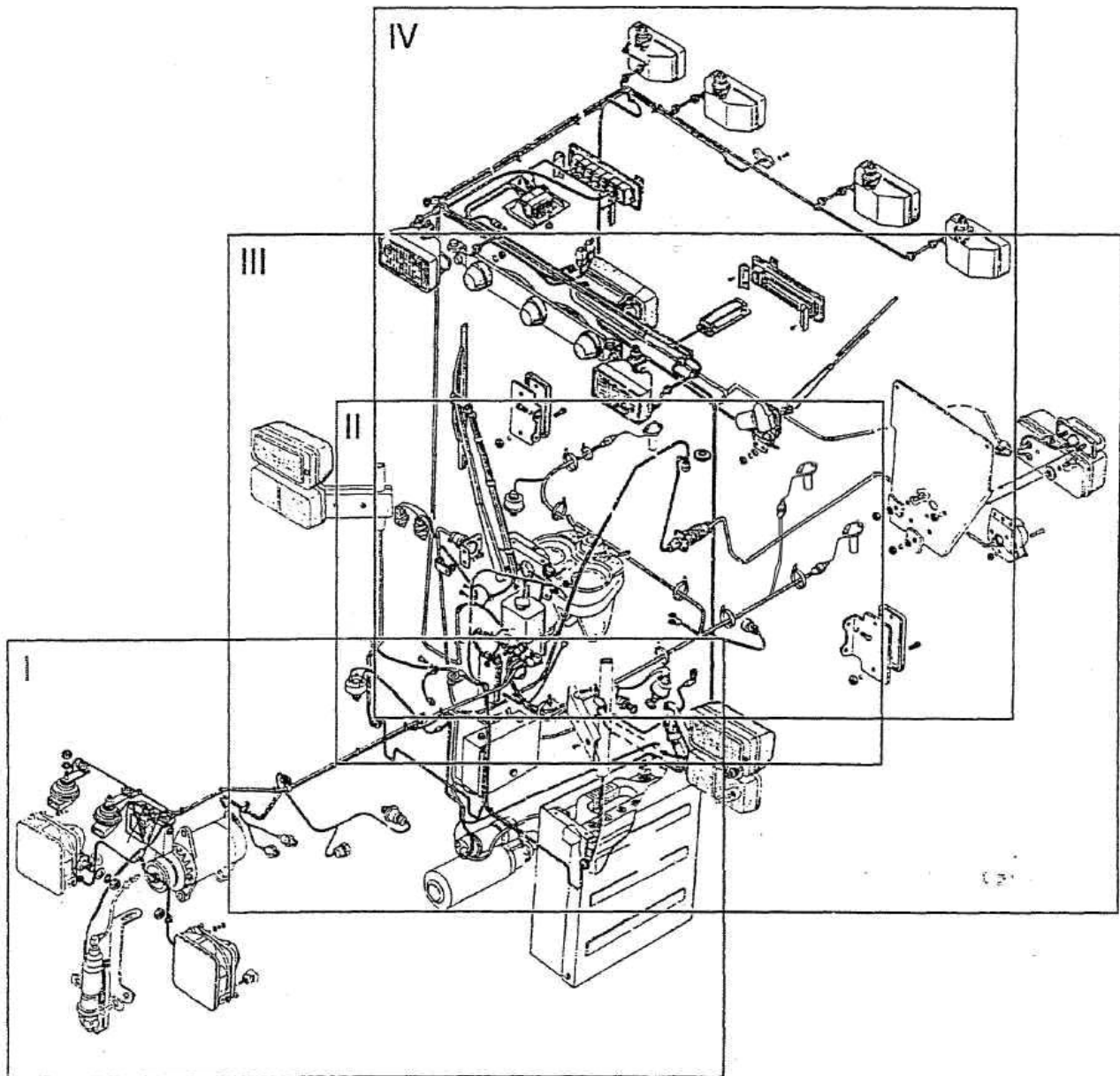


Fig. 91 Electrical equipment

Group 37. Electrical equipment

Subgroup 3700. Electrical equipment

Fig. 91	I	3700	100	Electrical equipment of engine
	II	3700	101	Electrical equipment of transmission
	III	3700	102	Electrical equipment of cabin I
	IV	3700	103	Electrical equipment of cabin II

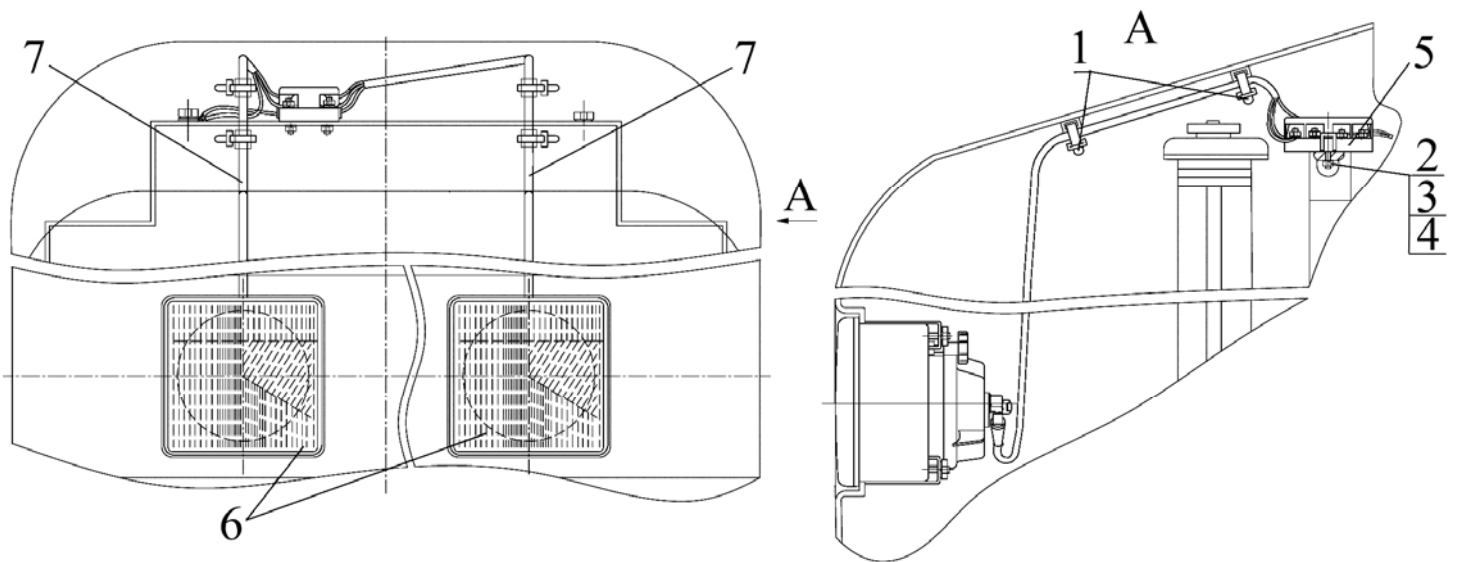


Fig. 92 Road headlights installation

Group 37

Subgroup 3700. Road headlights installation

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
92	1	80-3723045	4	Collar	
	2	M6-6gx25.58.019	2	Screw	
	3	M6-6H.6.019	2	Nut	
	4	ГОСТ 5915-70 6T OCT 37.001.115-75	2	Washer	
	5	БП-11-01	1	Branching unit	
	6	08 7101 000	2	Headlight	
	7	80-3724025-Д	2	Harness	

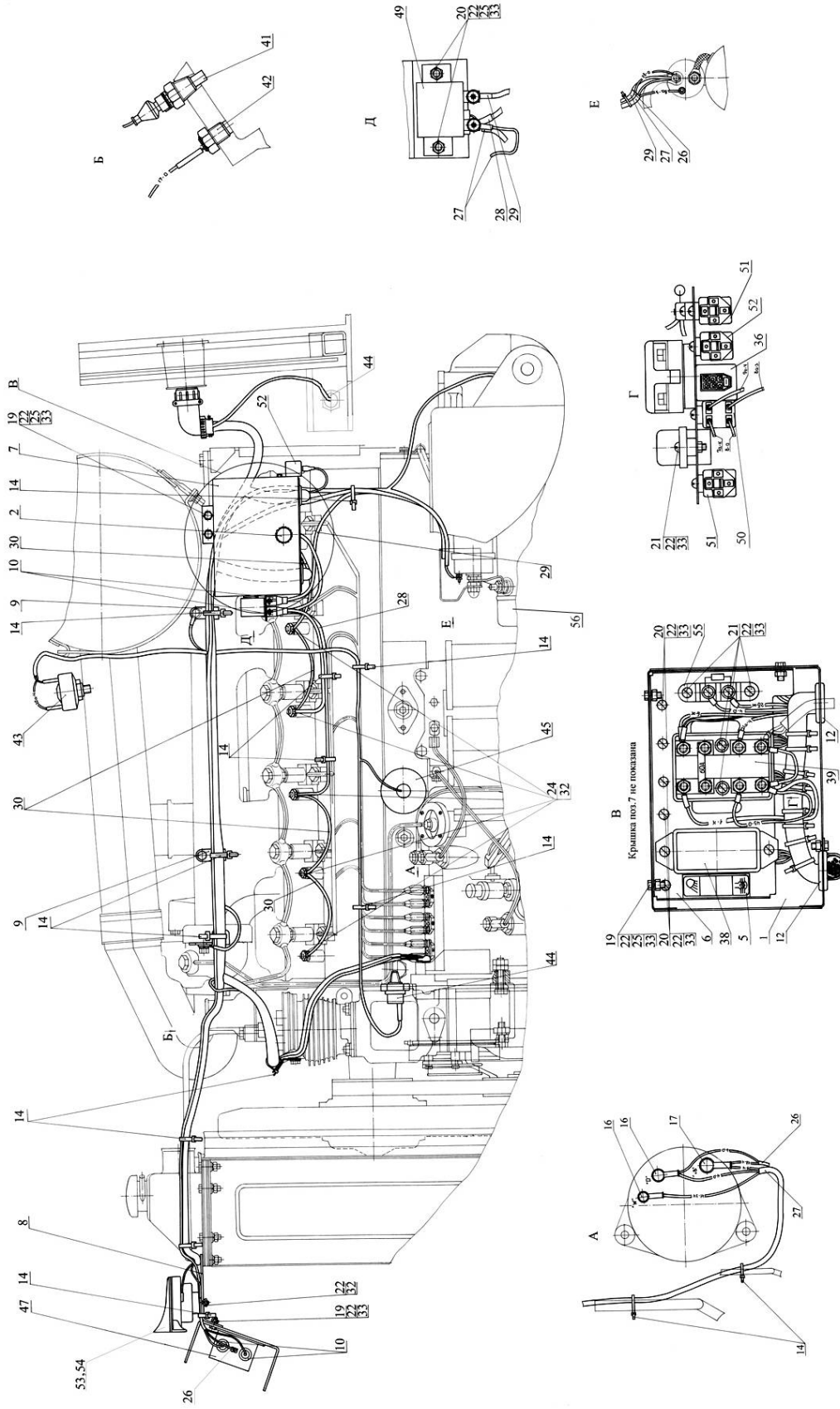


Fig. 93 Electrical equipment of engine

Note to Fig. 100

Indication	Note
1222-370030-B	With heating plugs
1222-3700030-B-01	Without heating plugs

Group 37. Electrical equipment
Subgroup 3700. Electrical equipment of engine

Fig. No.	Pos. No.	Indication	Quantity for completing 1222-3700030-B-		Designation
			-	- 01	
93	1	1522-3747010	1	1	Box
	2	80-3805065	1	1	Screw
	5	2022-3722011	1	1	Name plate
	6	1522-3747011	1	1	Panel
	7	1522-3747013	1	1	Cover
	8	1221-3759011	1	1	Bracket
	9	80-3723016	3	3	Bracket
	10	70-3723035	4	2	Tip
	11	80-3723041	1	1	Bracket
	12	70-3723042-02	2	2	Bushing
	14	80-3723045	13	15	Collar
	16	M2-14.13.238	2	2	Hood
	17	54.24.445-B	1	1	Tip
	19	M6-6gx14.88.35.019 ГОСТ 7798-70	8	8	Bolt
	20	B.M6-6gx10.58.019 ГОСТ 17473-80	8	6	Screw
	21	B.M6-6gx20.58.019 ГОСТ 17473-80	4	4	Screw
	22	M6-6H.6.019 ГОСТ 5915-70	16	14	Nut
	24	M5-6H.6.019 ГОСТ 5927-70	6	-	Nut
	25	C6.01.019 ГОСТ 11371-78	7	5	Washer
	26	80-3724345-B ГОСТ 23544-84	1	1	Harness
	27	1222-3724360-B ГОСТ 23544-84	1	1	Harness
	28	1221-3724380-A	1	-	Harness
	29	80-3724381 ГОСТ 23544-84	1	-	Cable
	30	1221-3724383 ГОСТ 23544-84	4	-	Cable

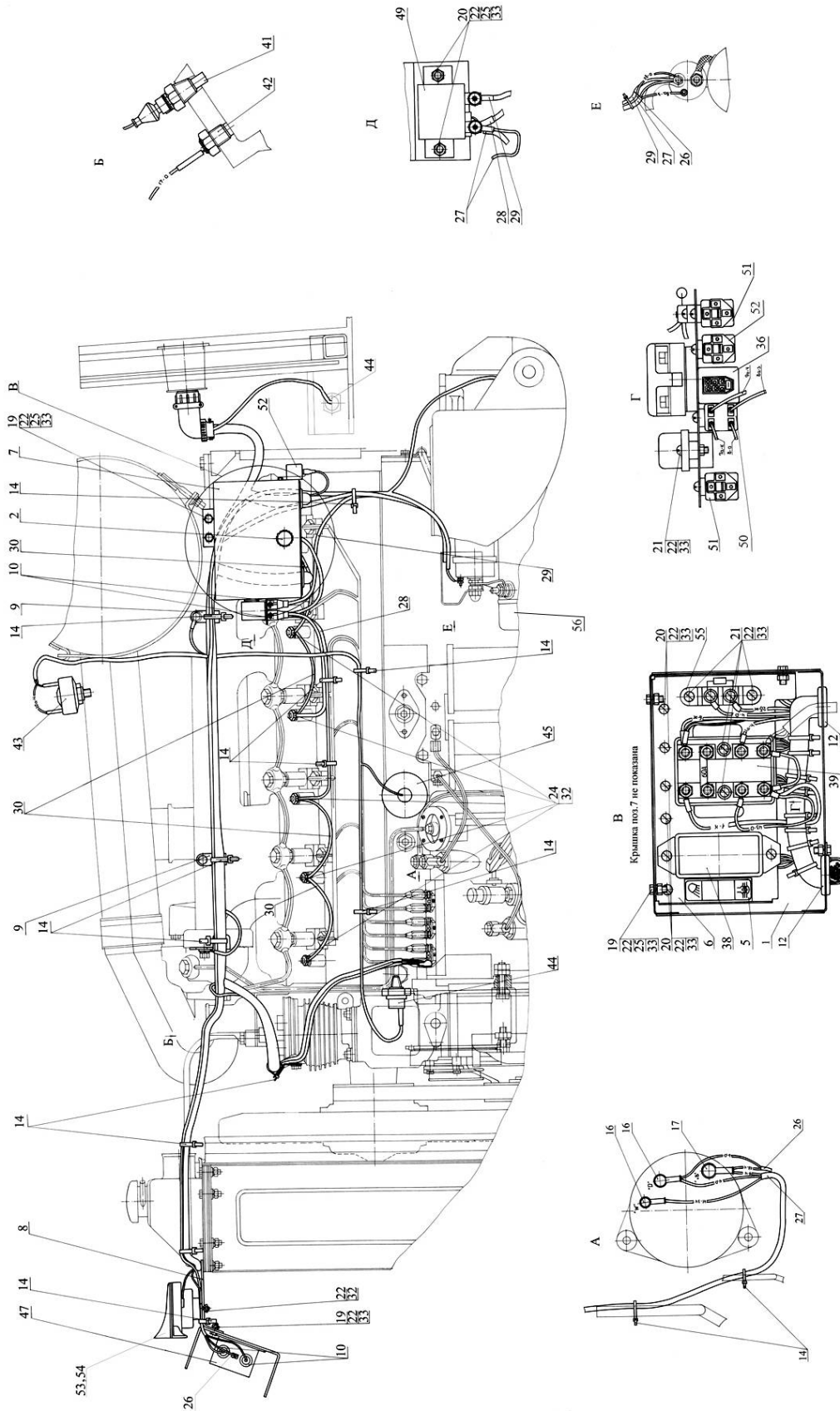


Fig. 93 .Electrical equipment of engine

Group 37. Electrical equipment

Subgroup 3700. Electrical equipment of engine

Fig. No.	Pos. No.	Indication	Quality for competing 1222-3700030-Б-		Designation
			-	- 01	
93	32	5T OCT37.001.115-75	6	-	Washer
	33	6T OCT 37.001.115-75	18	14	Washer
	36	3741.10	1	-	Heating plug unit
	38	3722.20	1	1	Fuse box
	39	3722.40	1	1	Fuse box
	41	3828.10	1	1	Engine temperature sensor
	42	3844.10	1	1	Engine temperature warning light
	43	3845.10	1	1	Alarm assembly
	44	3829.15	2	2	Oil pressure warning light
	45	3829.10	1	1	Engine oil pressure light
	47	3759.10	1	1	Voltage converter
	49	3747.35	1	-	Heating plug relay
	50	3747.25	1	1	Starter relay
	51	3747.50	2	2	Cut in relay 30A
	52	3747.40	2	2	Cut off relay 20A
	53	3721.15	1	1	Low-pitch beeb
	54	3721.20	1	1	High-pitch beeb
	55	3741.25	1	1	Ballasting source resistance
	56	3708.20	1	1	Starter 24V, 5,5 kW

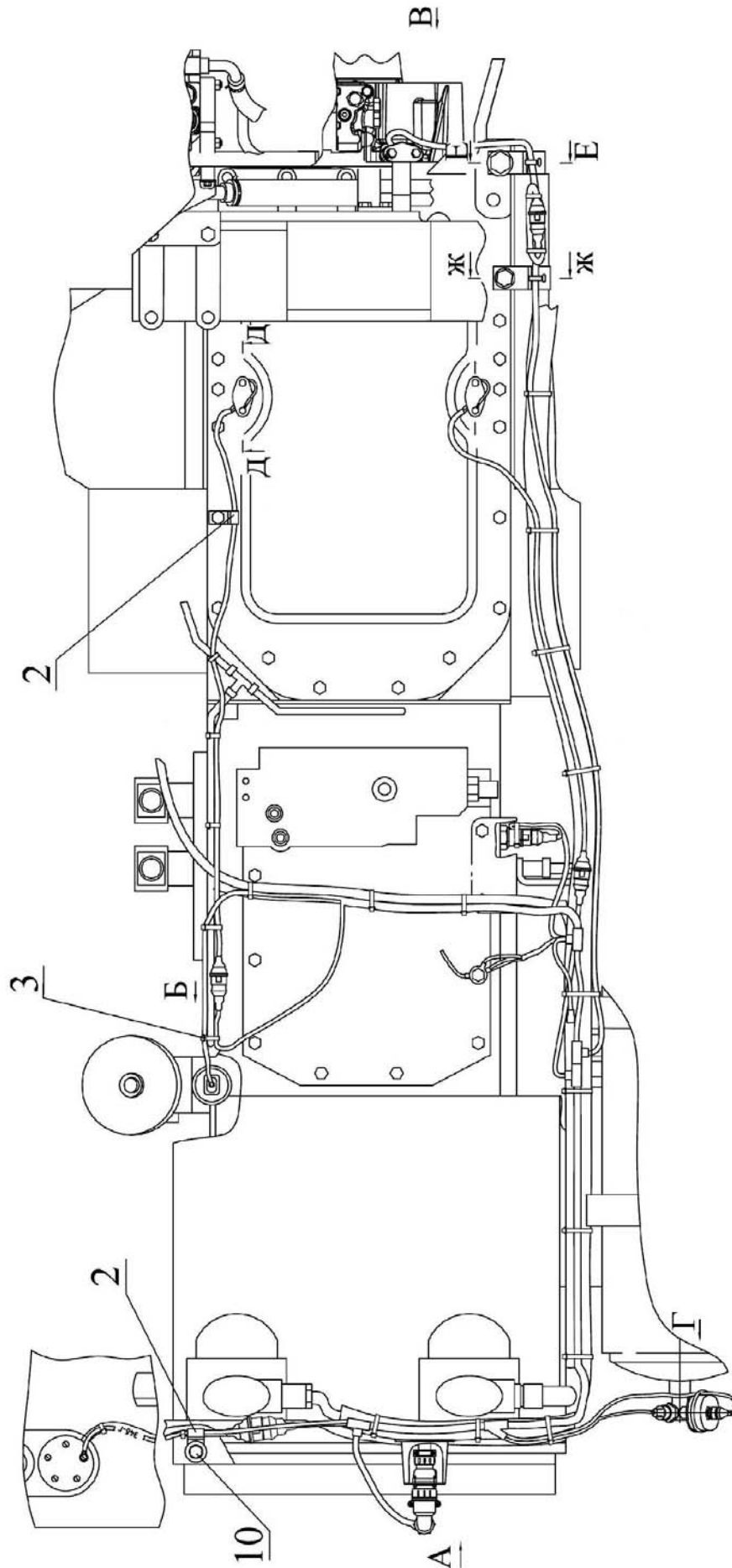


Fig. 94.1 Electrical equipment of transmission

Group 37. Electrical equipment

Subgroup 3700. Electrical equipment of transmission

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
94.1	1	2022-3723011	2	Bracket	
94.2	2	822-3723001	2	Clamp	
	3	80-3723045-01	Max.q-ty-29	Collar	
	4	80-3843001-01	Max.q-ty -14	Gasket	U _{3M} =23,43
			Max. q-ty -16		U _{3M} =27,33
	5	1522-3843002	2	Gasket	U _{3M} =27,33
	6	85-1702051	1	Washer	
	7	Д18-055-A-01	1	Sealing ring	
	8	M8x25	4	Bolt	U _{3M} =23,43
	9	M8x30	2	Bolt	U _{3M} =23,43
			6		U _{3M} =27,33
	10	C10	1	Washer	
	11	C14	1	Washer	
	12	C20	1	Washer	
	13	1223-3724315	1	Harness	
	14	8T	6	Spring washer	
	15	3829.20	1	Air pressure sensor	
	16	3829.25	1	Emergency air pressure sensor	
	17	3829.30	1	Oil pressure sensor in GB	
	18	3843.15	3	Speed sensor	Speed and rpm sensor of rear PTO

Note U_{M3}- ratio of rear axle depending on following gear

Gear 1221-2407122 U_{M3}=23,43

Gear 1522-2407122 U_{3M}=27,33

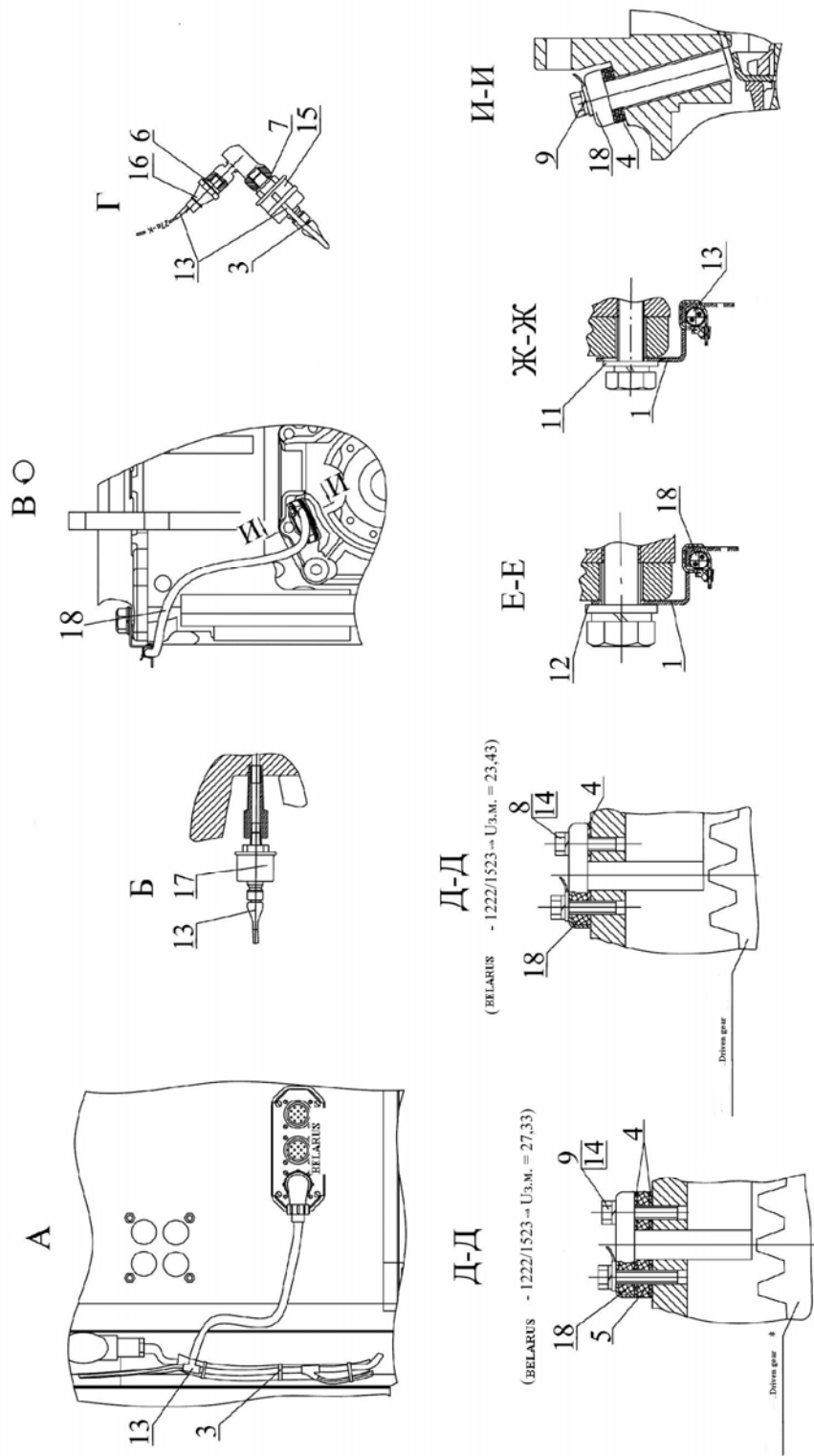


Fig. 94.2 Electrical equipment of transmission

Group 37. Electrical equipment

Subgroup 3700. Electrical equipment of transmission

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
94.1	1	2022-3723011	2	Bracket	
94.2	2	822-3723001	2	Clamp	
	3	80-3723045-01	Max. q-ty -29	Collar	
	4	80-3843001-01	Max. q-ty -14	Gasket	U _{3M} =23,43
			Max.q-ty-16		U _{3M} =27,33
	5	1522-3843002	2	Gasket	U _{3M} =27,33
	6	85-1702051	1	Washer	
	7	Д18-055-A-01	1	Sealing ring	
	8	M8x25	4	Bolt	U _{3M} =23,43
	9	M8x30	2	Bolt	U _{3M} =23,43
			6		U _{3M} =27,33
	10	C10	1	Washer	
	11	C14	1	Washer	
	12	C20	1	Washer	
	13	1223-3724315	1	Harness	
	14	8T	6	Spring washer	
	15	3829.20	1	Air pressure sensor	
	16	3829.25	1	Emergency air pressure sensor	
	17	3829.30	1	Oil pressure sensor in GB	
	18	3843.15	3	Speed sensor	Speed and rpm sensor of rear PTO

Note U_{M3}- ratio of rear axle depending on following gear

Gear 1221-2407122 U_{M3}=23,43

Gear 1522-2407122 U_{3M}=27,33

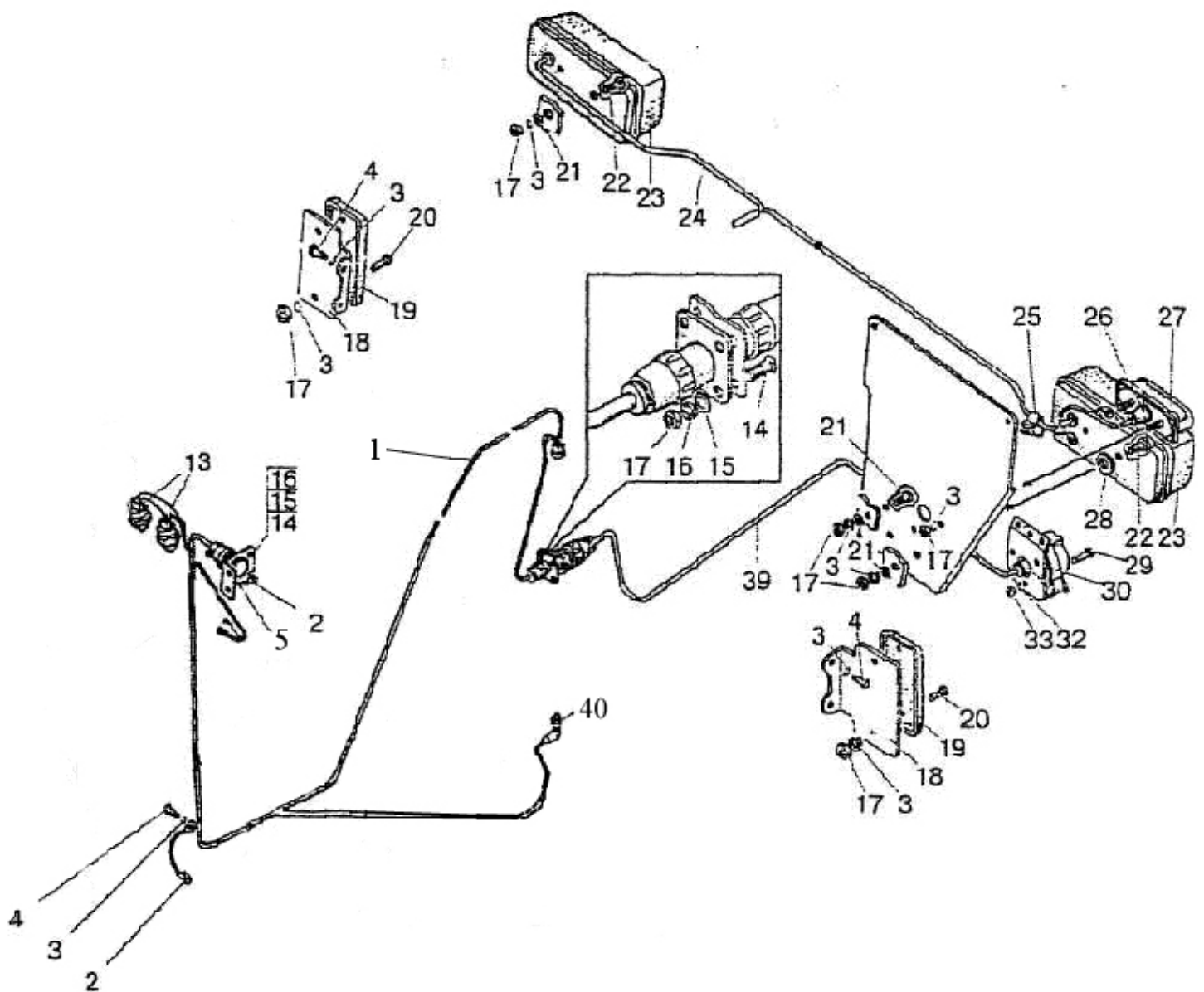


Fig. 95 Electrical equipment of cabin I

Group 37. Electrical equipment

Subgroup 3700. Electrical equipment of cabin

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
95	1	923-3724100-Г	1	Cabin bundle	
	2	822-3724012	1	Cable	
	3	ШП6	17	Washer	
	4	M6x12	7	Bolt	
	5	923-3723042	2	Bushing	
	9	1522-3712003	2	Bracket	
	13	3720.10	2	Stop signal switch	
	14	BM3x16	8	Screw	
	15	ШЧ3	8	Washer	
	16	ШП3	8	Washer	
	17	M6	12	Nut	
	18	1222-3731003	2	Bracket	
	19	3731.10	2	Reflector	
	20	BM6x16	6	Screw	
	21	ШЧ6	5	Washer	
	22	BM6x20	4	Screw	
	23	3716.10	2	Rear light	
	24	923-3724160-Б	1	Bundle of back lamps	
	25	70-1115012	2	Clip	
	25	70-3723035	1	Tip	
	27	3717.10	1	Number plate light	
	23	80-6708904	2	Gasket	
	29	BM5x35	3	Screw	
	30	3723.10	1	Trailer socket	
	32	923-3723041	1	Bracket	
	32	ШП5	3	Washer	
	33	M5	3	Nut	
	39	2522-3724203	1	Harness	
	40	3710.60	1	Switch of hand brake lamp	

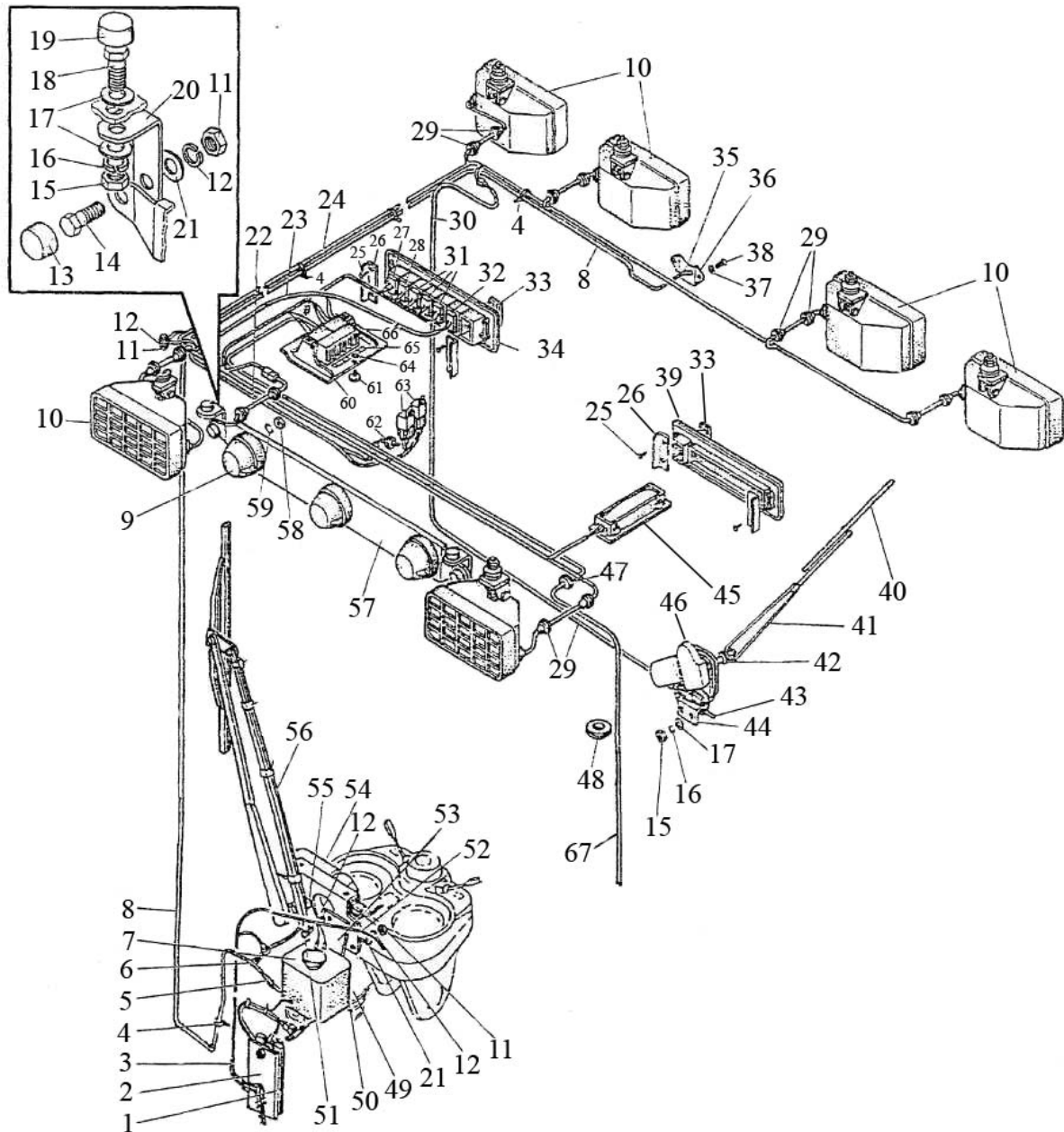


Fig. 96 Electrical equipment of cabin II

Group 37. Electrical equipment

Subgroup 3700. Electrical equipment of cabin

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
96	1	923-3712016	1	Gasket	
	2	923-3712017	1	Bracket	
	3	923-3724130-B	1	Harness	
	4	80-3723045	8	Collar	
	5	923-5208002	1	Pipe	
	6	5208.15	1	Distributor	
	7	122.5208000	1	Electrical washer	
	8	923-5208002-01	1	Pipe	
	9	3738.10	3	Long vehicle lamp	
	10	8724.304/31	6	Head light	
	11	M6	9	Nut	
	12	IIIП6	17	Washer	
	13	A3O.04.017	2	Cap	
	14	M6X16	2	Bolt	
	15	M8	6	Nut	
	16	IIIП8	6	Washer	
	17	IIIЧ6	6	Washer	
	18	M8x20	2	Bolt	
	19	A30.04.017-01	2	Cap	
	20	90-8402071-01	2	Bracket	
	21	IIIЧ8	6	Washer	
	22	923-3724233-A	1	Harness	
	23	923-3724353-B	1	Harness	
	24	923-3724350-B	1	Harness	
	25	4x10	8	Screw	
	26	923-3801344	4	Plate	
	27	3710.40	1	Switch of long vehicle sign	
	28	3709.35	1	Change over switch of wind-screen wiper and washer	
	29	923-3723024	14	Bushing	
	30	923-3724014-B	1	Harness	
	31	3710.30	3	Switch of head lights	
	32	3709.15	1	Change over switch of fan	
	33	80-3801327	2	Plug	
	34	923-3801342	1	Board	
	35	5208.10	1	Jet	
	36	70-5208011-A	1	Plate	
	37	IIIЧ5	2	Washer	
	38	4x10	2	Screw	

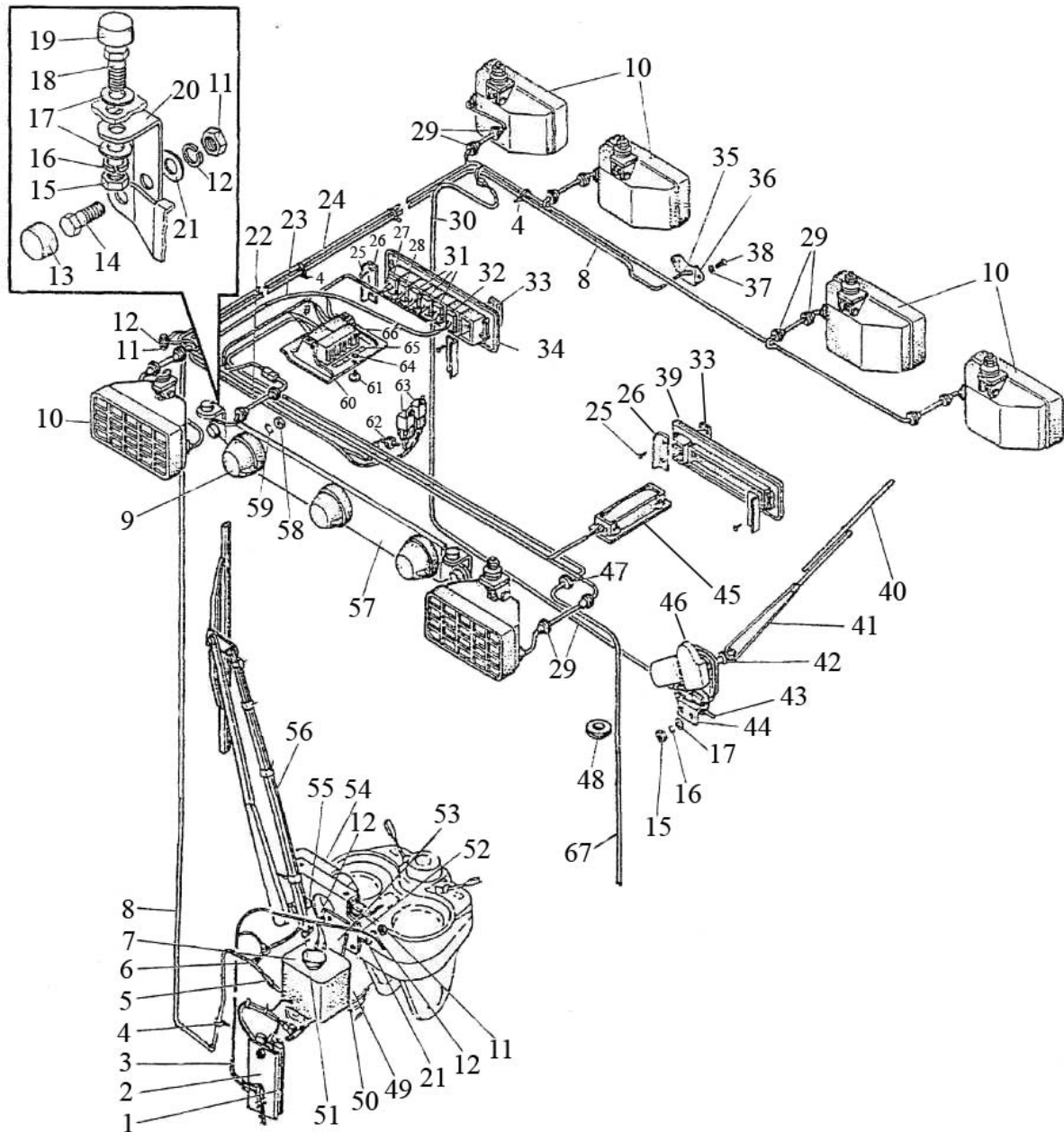


Fig. 96 Electrical equipment of cabin II

Group 37. Electrical equipment

Subgroup 3700. Electrical equipment of cabin

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
96	39	923-7901018	1	Board	
	40	20.5212 400	1	Wiper blade	
	41	20.5215 300	1	Lever of the wiper	
	42	822-5205043	1	Bushing	
	43	80-3723045-01	1	Collar	
	44	923-5205022	1	Bracket	
	45	3714.25	1	Cabin dome light 185x46,5	
	46	T240-5205010	1	Drive with casing	
	47	923-3723042	1	Bushing	
	48	80-3723048	1	Bushing	
	49	BM4x10	2	Screw	
		BM6X12	4	Screw	
		M4	2	Nut	
		ШП4	2	Washer	
	50	122.5208 304	1	Bracket	
	51	M6X12	3	Bolt	
	52	923-3724130-B	1	Harness	
	53	923-5208005	1	Bracket	
	54	5205.15	1	Pantograph wiper	
	55	70-1602037	1	Bushing	
	56	5205.45	1	Wiper blade with lever 660/600 and with nozzle	
	57	80-3738001	1	Plate	
	58	M5	6	Nut	
	59	ШП5	6	Washer	
	60	822-3801341	1	Board	
	61	80-3805065	1	Screw	
	62	70-3723042-01	1	Bushing	
	63	3747.50	2	Cut in relay 30A	
	64	006-010-25-1-4	1	Ring	
	65	923-3801343-Б	1	Table	
	66	3722.25	1	Fuse box	
	67	923-3724351	1	Harness	

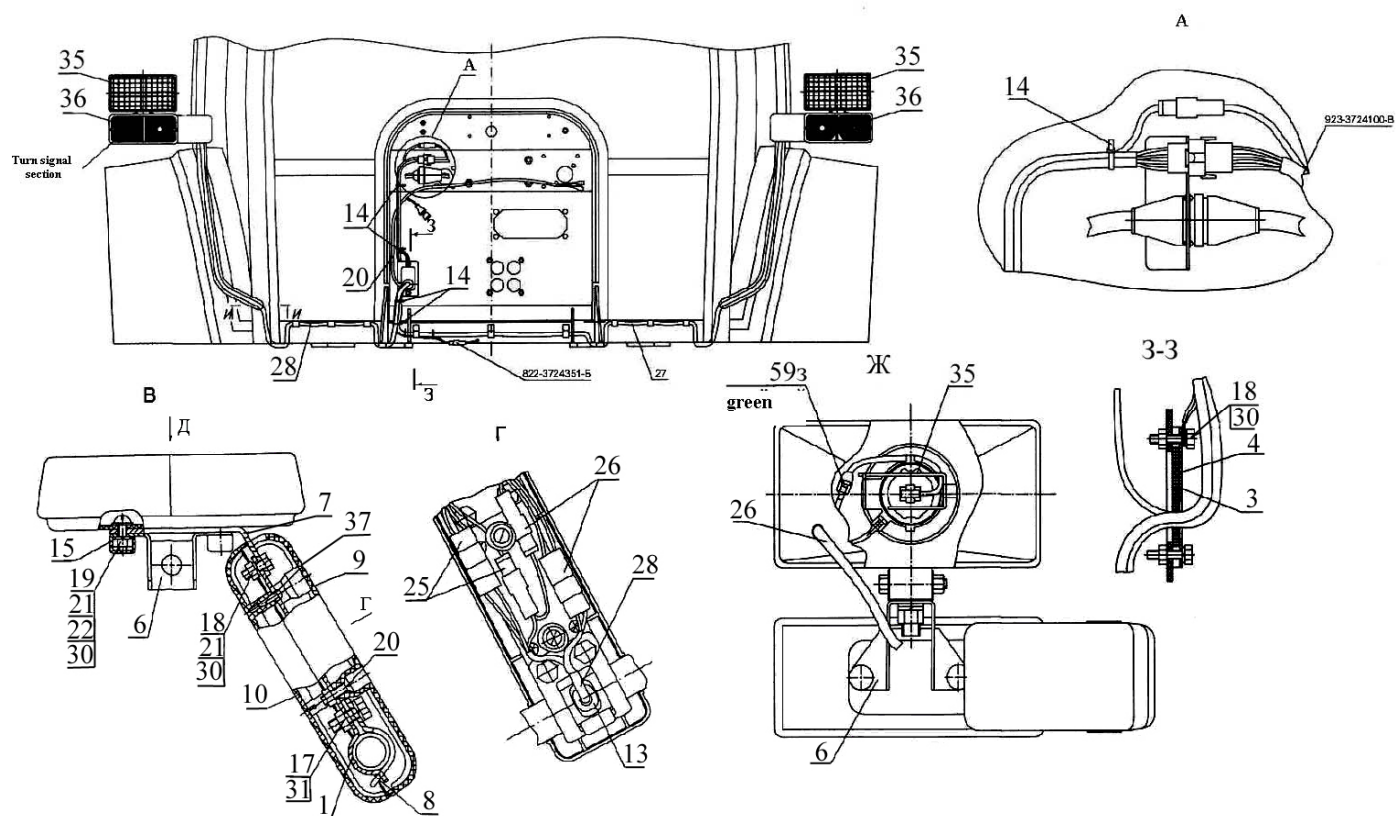


Fig. 97 Front lamp installation

Group 37 Electrical equipment
Subgroup 3700 Front lamp installation

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
97	1	920-3712010	2	Bracket	
	3	923-3712016	1	Gasket	
	4	923-3712017	1	Bracket	
	5	923-3723042	2	Bushing	
	6	920-3711011	2	Bracket	
	7	920-3712012	2	Bracket	
	8	920-3712013	2	Clamp	
	9	920-3712021	2	Casing	
	10	920-3712022	2	Casing	
	13	70-3723042-01	6	Bushing	
	14	80-3723045	4	Collar	
	15	A30.04.017	4	Cap	
	17		4	Bolt M8-6gx16.88.35.019 ГОСТ 7796-70	
	18		6	Bolt M6-6gx18.88.35.019 ГОСТ 7798-70	
	19	912075	4	Screw B.M6-6gx18.58.019 ГОСТ 17473-80	
	20	912077	4	Screw B.M6-6gx18.58.019 ГОСТ 17475-80	
	21		8	Nut M6-6H.6.019 ГОСТ 5915-70	
	22		4	Washer C 6.01.019 ГОСТ 11371-78	
	24		1	Harness 923-3724130-B ГОСТ 23544-84	
	25		2	Harness 923-3724140-Б ГОСТ 23544-84	
	26		2	Harness 923-3724142 ГОСТ 23544-84	
	27		1	Harness 923-3724145-Б ГОСТ 23544-84	
	28		1	Harness 923-3724146-Б ГОСТ 23544-84	
	30		10	Washer 6T OCT 37.001.115-75	
	31		4	Washer 8T OCT 37.001.115-75	
	35	8724.304/011	2	Working lamp	
	36	3712.10	2	Front lamp with side repeater light	
	37		8	Screw 4x16.019	

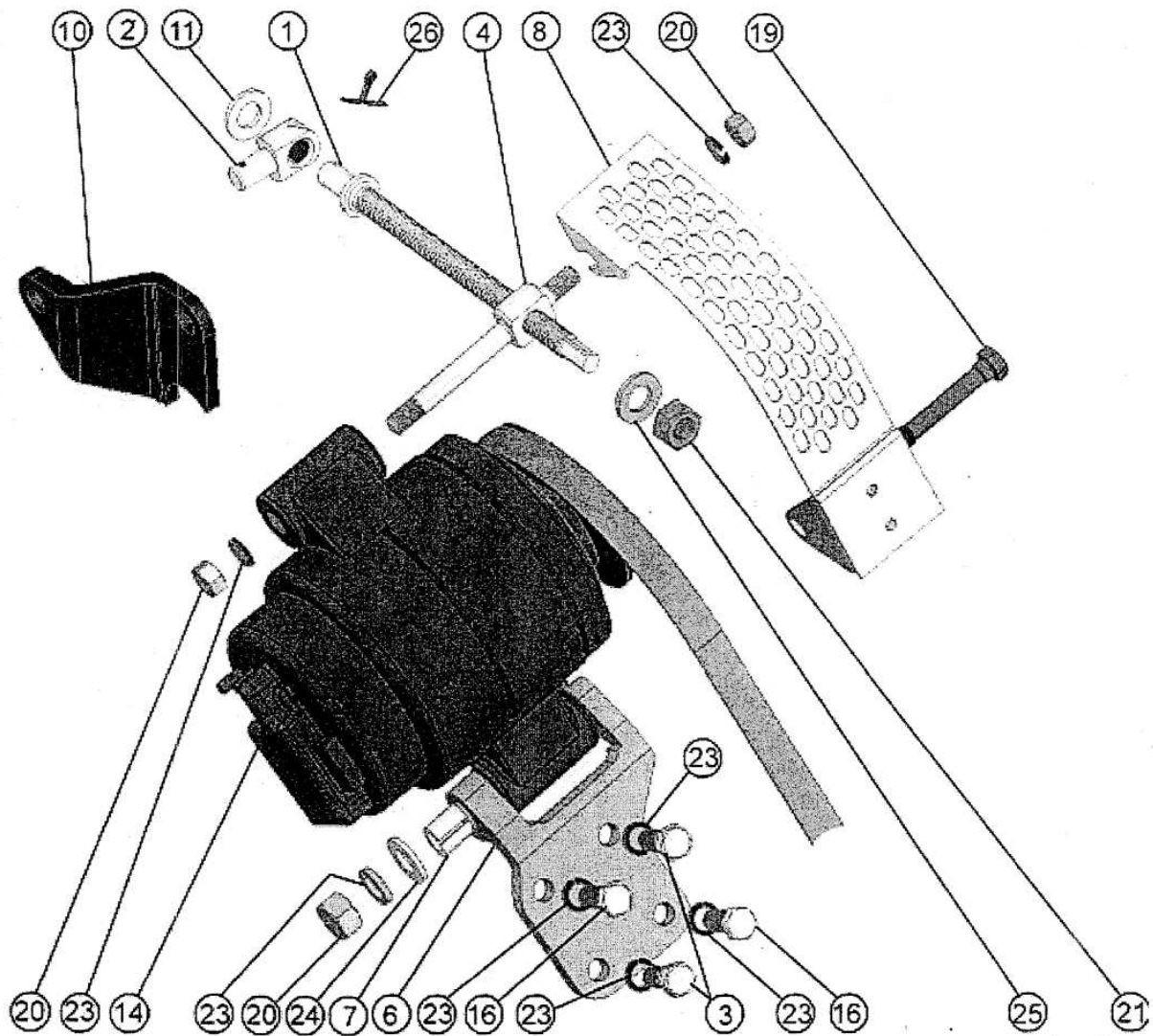


Fig. 98 Generator installation

Group 37. Electrical equipment
Subgroup 3701. Generator installation

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
98	1	265-3701076-01	1	Pin	
	2	260-1310001	1	Elbow	
	3	260-3701068	2	Special bolt	
	4	260-3701052	1	Axle	
	5	260-3701054	1	Pulley	
	6	260-3701056-Г	1	Bracket	
	7	260-3701057	1	Split bushing	
	8	260-3701060	1	Board	
	10	260-3701055-Д	1	Strip	
	11	245 - 3701069	2	Washer	
	13	11X10-1180	1	Belt	
	14	AAN5120	1	Generator	
	16	M10-6gx30. 88.35.019	2	Bolt	
	19	M10-6gx100.88.35.019	1	Bolt	
	20	M10-6H.6.019	3	Nut	
	21	M12 - 6H.6.019	1	Nut	
	23	10.65Г.06.	7	Washer	
	24	10.01.08кп.	1	Washer	
	25	12.65Г.06.	1	Washer	
	26	3.2X18.016	2	Cotter pin	

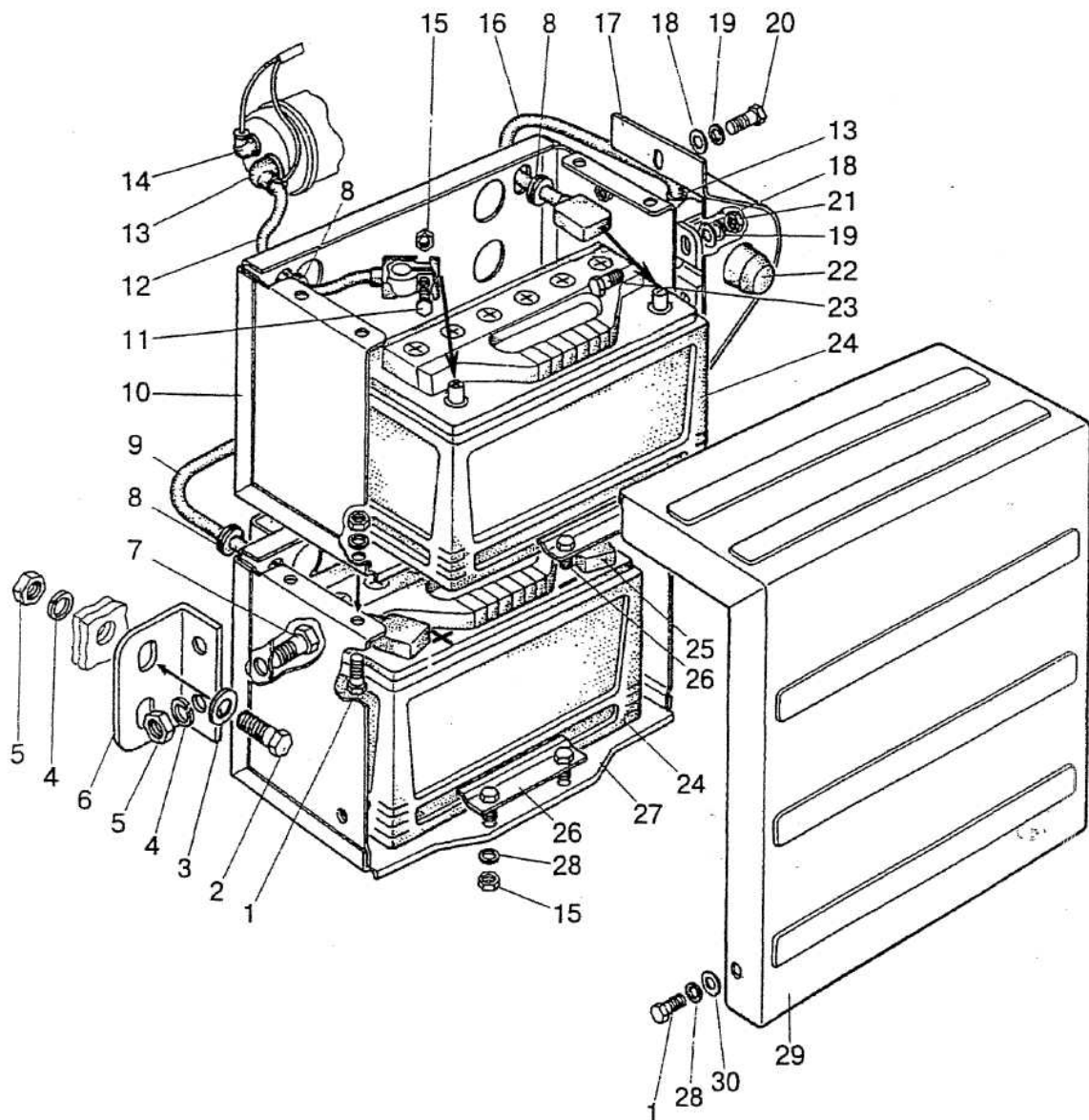


Fig. 99 Accumulator batteries installation

Group 37

Subgroup 3724. Accumulator batteries installation

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
99	1	M8x20	6	Bolt	
	2	M16x55	2	Bolt	
	3	IIIЧ16	2	Washer	
	4	IIII16	4	Washer	
	5	M16	4	Nut	
	6	1221B-3703031	1	Bracket	
	7	M16x32	2	Bolt	
	8	50-4607064	4	Bushing	
	9	1221B-3724044B	1	Cable	
	10	1221B-3703010-02	1	Container	
	11	M8x30	4	Bolt	
	12	1221B-3724041	1	Cable	
	13	4-60	3	Cap	
	14	4-16	2	Cap	
	15	M8	12	Nut	
	16	923-3724042	1	Cable	
	17	1522-3703025	1	Casing	
	18	IIIЧ6	4	Washer	
	19	IIII6	4	Washer	
	20	M6X16	2	Bolt	
	21	M6	2	Nut	
	22	3737.15	1	Remote switch of batteries 24V	
	23	M6x20	2	Bolt	
	24	3703.26	2	Accumulator battery 12/120	
	25	1221B-3724075	1	Cable	
	26	80B-3703020	2	Clamp	
	27	1221B-3703010	1	Container	
	28	IIIЧ8	10	Washer	
	29	1221B-3703020-01	1	Casing	
	30	IIIЧ8	2	Washer	

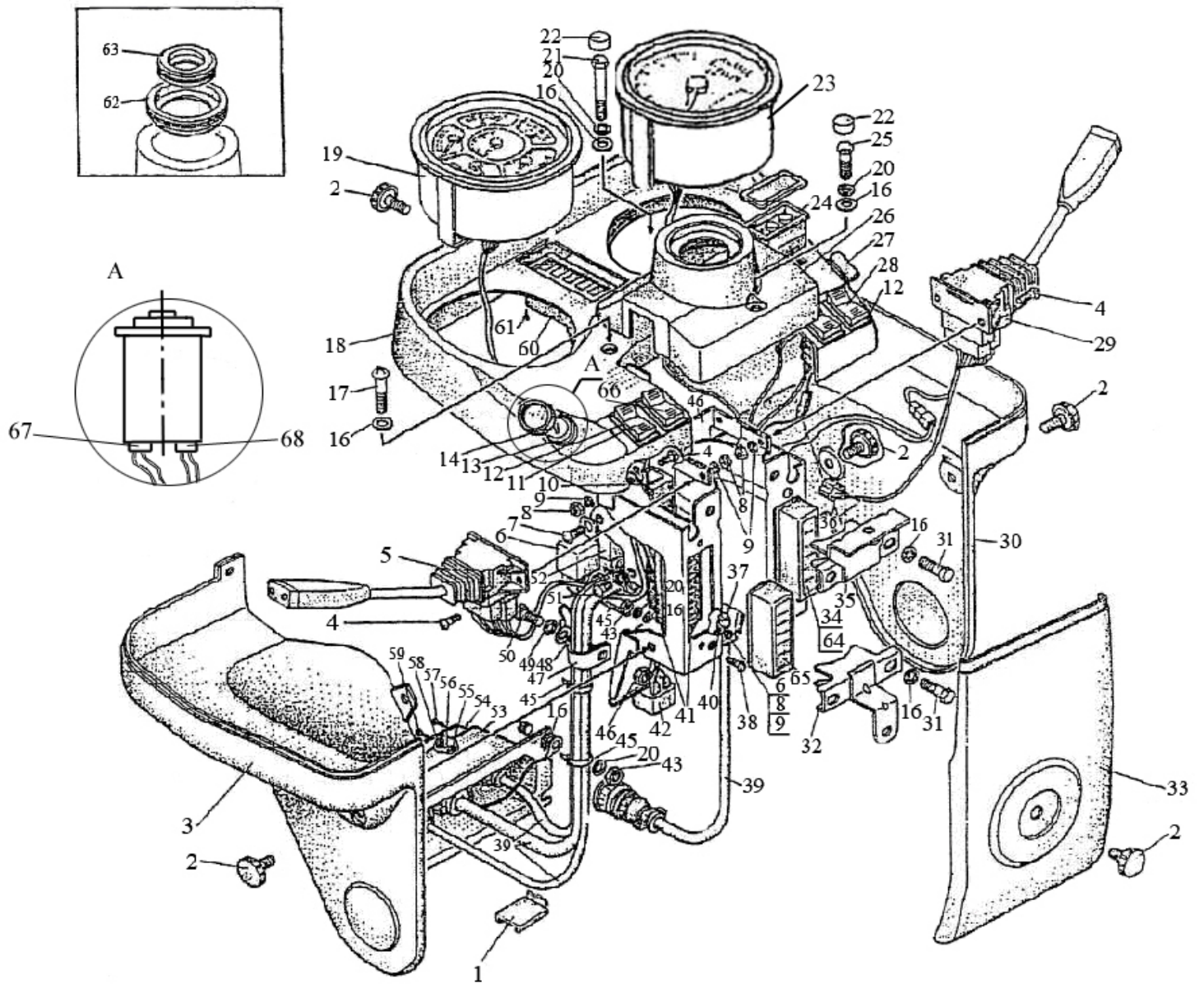


Fig. 100 Dashboard

Group 38 Dashboard
Subgroup 3805. Dashboard

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
100	1	ПР-43-01	1	Seal	
	2	80-3805065	5	Screw	
	3	822-3805162	1	Side member	
	4	BM5X16	6	Screw	
	5	3709.145	1	Switch under steering wheel	
	6	3747.20	1	Signalling relay	
	7	BM6x14	4	Screw	
	8	M5	6	Nut	
	9	IIIИ5	6	Washer	
	10	3747.10	1	Flasher relay of turn indicators	
	11	3710.30	1	Switch of working lamp	
	12	5336-3710015	4	Switch frame	
	13	3710.15	1	Starter switch with start blocking	
	14	822-3805013-01	1	Name table	
	16	C 6.01.019	7	Washer	
	17	B2.M6X40	2	Screw	
	18	923-3805121	1	Panel	
	19	3801.40	1	Frequency combination of devices КП-6	
	20	IIIИ 6	12	Washer	
	21	M6x60	1	Bolt	
	22	A30.04.017	2	Cap	
	23	3813.30	1	Integrated display	
	24	3813.40	1	Control panel	
	25	M6X16	2	Bolt	
	26	822-3709124	1	Hood	
	27	3710.10	1	Hazard	
	28	3709.20	1	Change-over switch	
	29	3709.235	1	Change-over switch of wind-screen wiper	
	30	822-3805161	1	Side member	
	31	M6x25	4	Bolt	
	32	822-3805095	1	Bracket	
	33	822-3805163	1	Housing	
	34	3722.10	1	Fuse box	
	35	822-3805080-Б	1	Bracket	

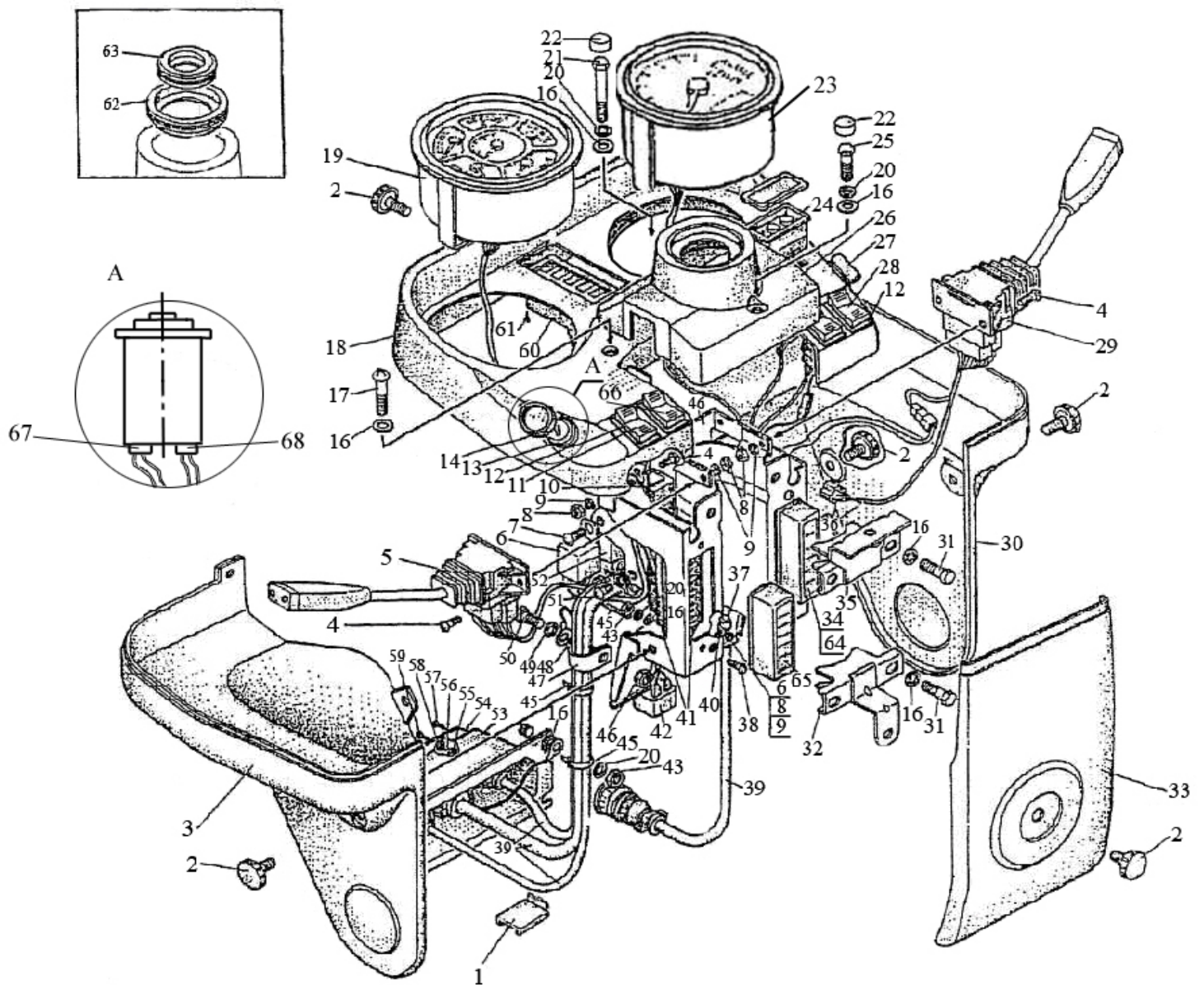


Fig. 100 Dashboard

Group 38 Dashboard
Subgroup 3805. Dashboard

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
100	36	822-3724010-B	1	Harness	
	37	70-3506027	1	Bushing	
	38	BM6X20	4	Screw	
	39	925-3724390	1	Harness	
	40	80-3723043	1	Clamp	
	41	3722.15	1	Fuse box	
	43	M6	9	Nut	
	45	80-3723045	8	Collar	
	46	822-3805050	1	Base	
	47	822-3723044	1	Clip	
	48	IIIЧ8	1	Washer	
	49	IIII8	1	Washer	
	50	M6x20	1	Bolt	
	51	BM6x16	1	Screw	
	52	3747.50	2	Cut-in relay 30A	
	53	822-3805072	1	Bracket	
	54	822-3805073-B	1	Bracket	
	55	M3	8	Nut	
	56	IIII3	8	Washer	
	57	4x10	4	Screw	
	58	IIIЧ3	8	Washer	
	59	BM3x16	8	Screw	
	60	3803.20	1	Warning lights block	
	61	4x16	2	Screw	
	62	80B-3709028	1	Insert	
	63	80-3723048	1	Bushing	
	64	822-3805026-B	1	Instruction plate	
	65	822-3805027-B	1	Instruction plate	
	66	3710.55	1	Battery disconnect switch	
	67	3710.040-01	1	Pad 30-16-06570	
	68	3710.040-02	1	Pad 30-16-06571	

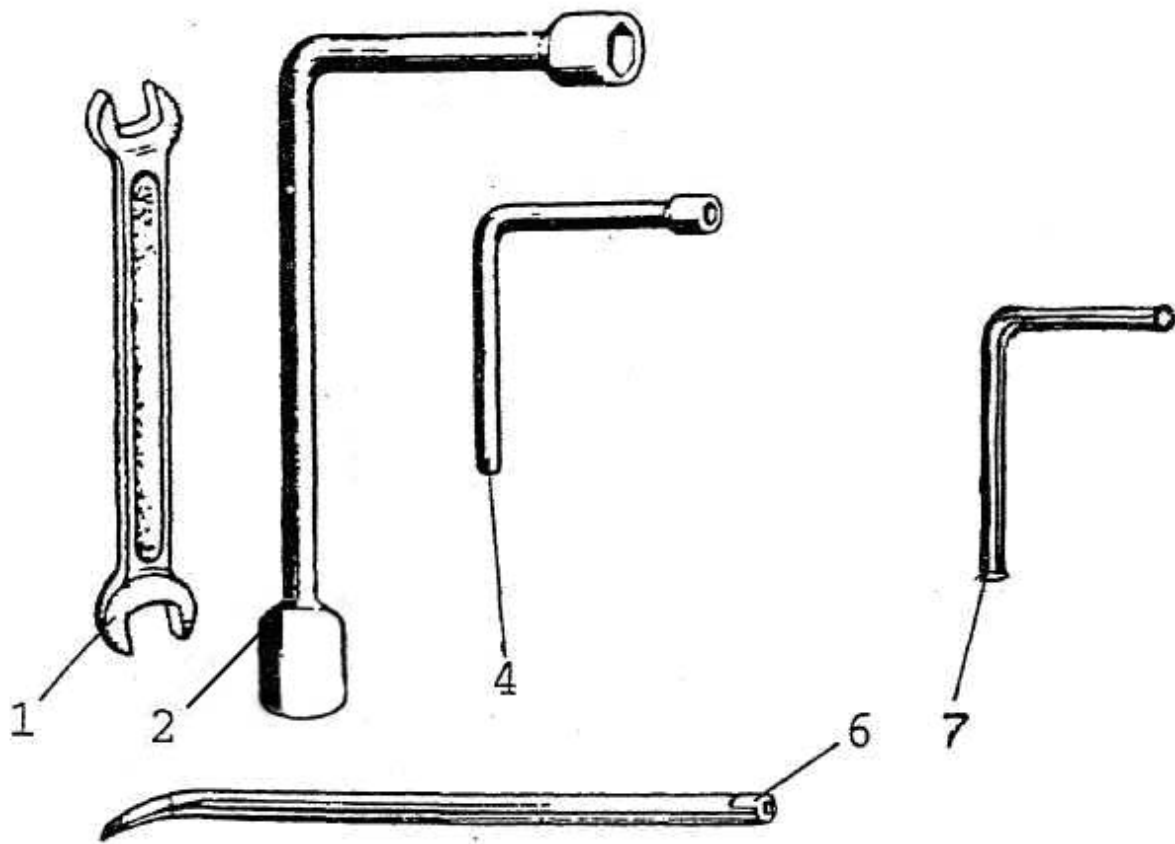


Fig. 101 Operator's tools

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

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
101	1	70-3901038	1	Wrench 41x46	
	2	70-3901027	1	Socket wrench S=27x32	
	4	50-3901026*	1	Socket wrench S=12	
	6	36-3901028-B	1	Tire lever 600	
		36-3901028-01	1		
	7	1522-3901001*	1	Hexagon wrench S=8	

* For 1523/1523B/1523.3/1523.3B

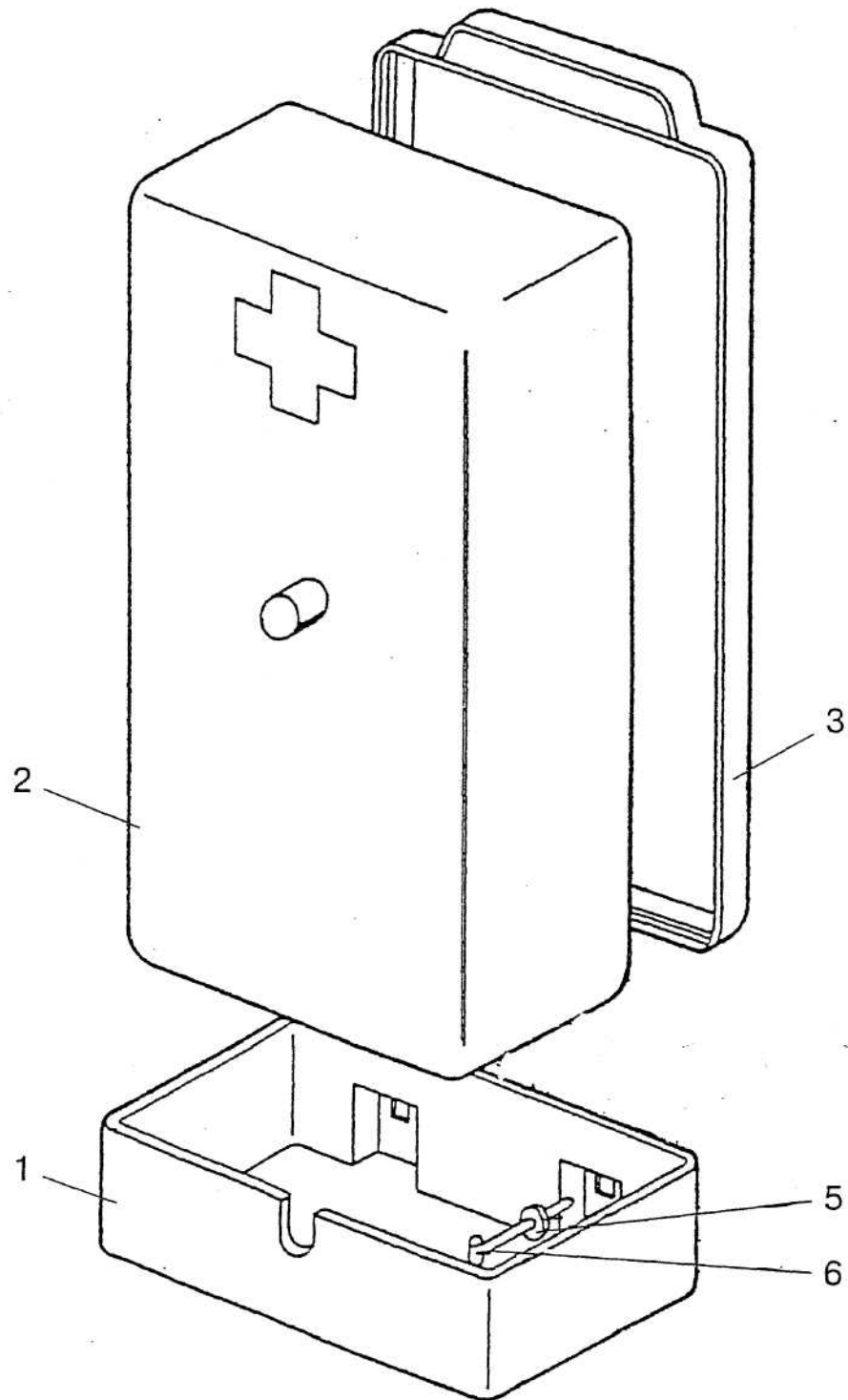


Fig. 102 First aid kit

Group 39

Subgroup 3912. First aid kit

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
102	1	70-3912153-A	1	Bracket	
	2	70-3912152	1	Housing	
	3	70-3912151	1	Cover	
	4	1522-6700068	1	Plate	
	5	III46	2	Washer	
	6	M16x20	2	Screw	

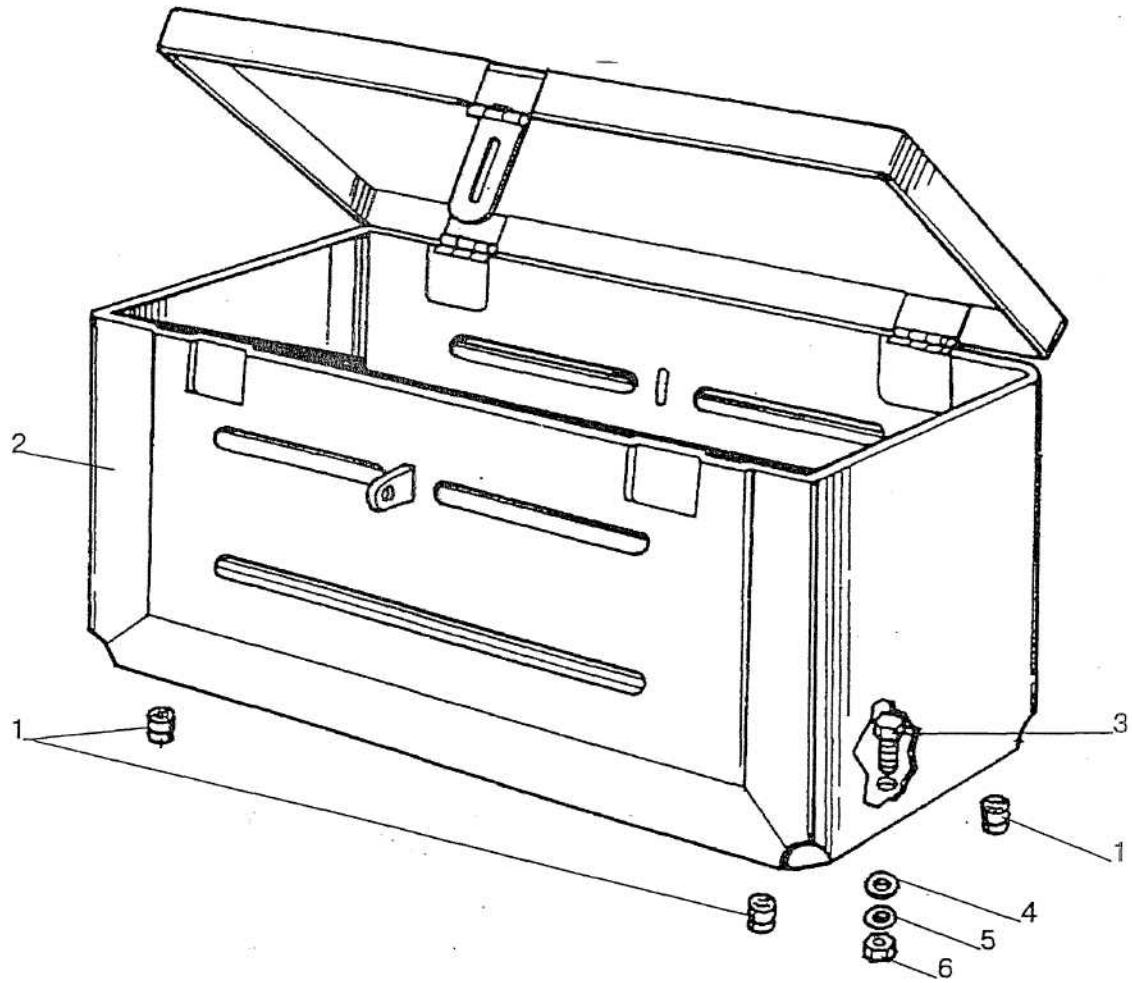


Fig. 103 Tools box

Group 39

Subgroup 3919. Tools box

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
103	1	50-8400018	4	Bumper	
	2	70-3319110	1	Box	
	3	M8x16	2	Bolt	
	4	ШЧ8	2	Washer	
	5	ШП8	2	Washer	
	6	M8	2	Nut	

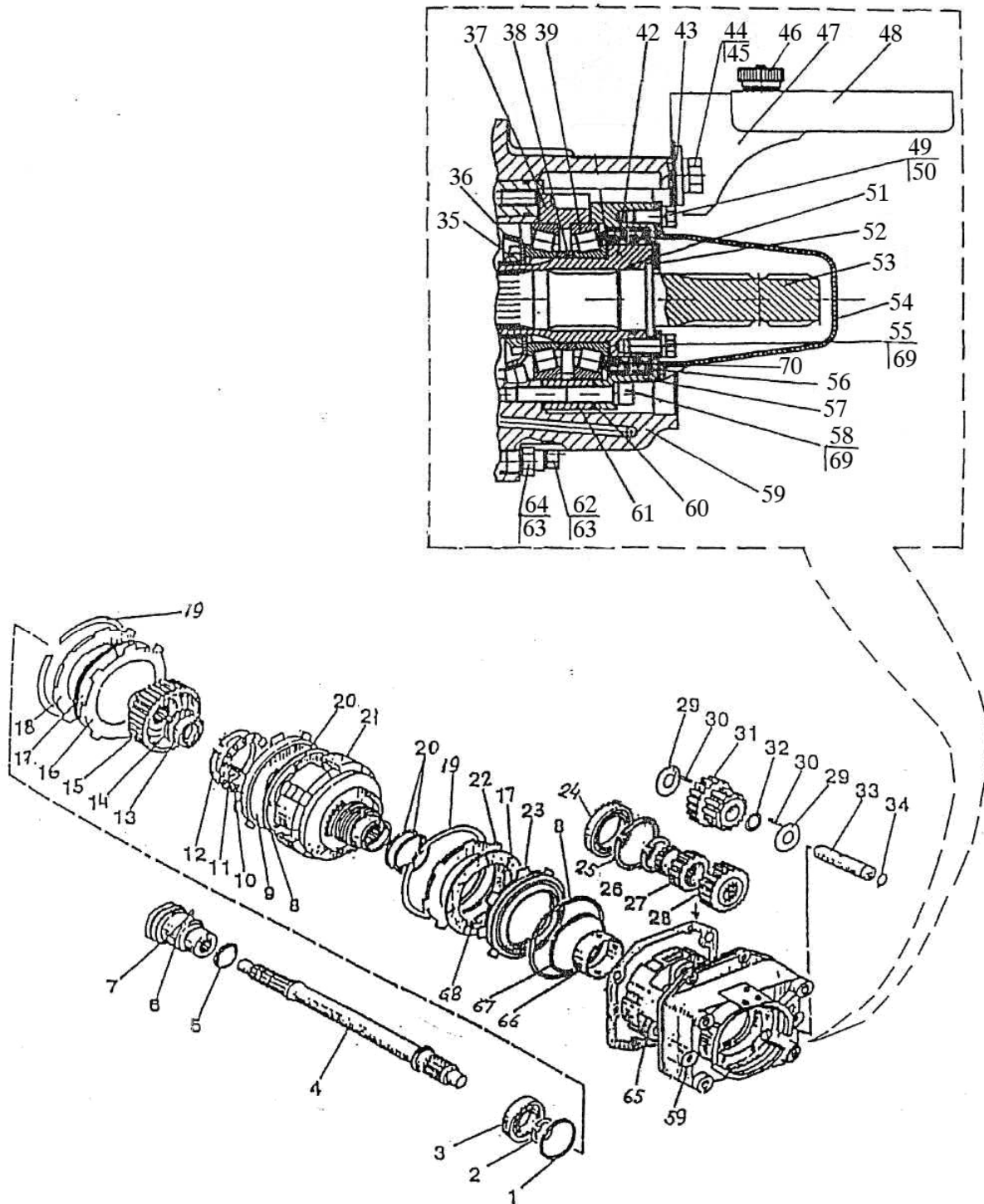


Fig. 104 Power take-off shaft

Group 42

Subgroup 4202. Power take-off shaft

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
104		2022-4202010-03**	1	Rear PTO shaft (1522-4202060, 50-4202045-01, 2022-4202030-A-01, 22-70)	
		2022-4202010-05*		Rear PTO shaft (1522-4202060, 50-4202045-01, 2022-4202030-A-02, 22-70)	
		1522-4202060	1	Drive shaft (2-4)	
		50-4202045-01	1	Shift collar (5-7)	
		2022-4202030-A-01**	1	Friction coupling (8-21)	
		2022-4202030-A-02*			
	1	C80	1	Ring	
	2	C40	1	Ring	
	3	208A	1	Bearing	
	4	1522-4202011	1	Drive shaft	
	5	A61.03.002	1	Ring	
	6	50-4202046-B-01	1	Switching coupling	
	7	7,938-100	1	Ball	
	8	80-1701382	2	Ring	
	9	80-1701374-01	1	Piston	
	10	80-1701373	1	Spring support	
	11	80-1701395	16	Spring	
	12	C80	1	Ring	
	13	305A	1	Bearing	
	14	C62	1	Ring	
	15	1522-4202034-A-02**	1	Splined coupling	
		1522-4202034-A-03*		Splined coupling	
	16	LD 2220087	4**(3*)	Driven disk	
	17	2022-4202375 or 25221802035-A or 696392 AO "Miba"	5**(4*)	Friction disk	
	18	80-1701379-01	1	Thrust disk	
	19	80-1701392	2	Ring	
	20	142-1701381	3	Ring	
	21	2022-4202031-01 **	1	Drum	
		2022-4202031-02 *		Drum	
	22	80-1701379	1	Thrust disk	
	23	2022-4202033	1	Brakes piston	
	24	114	1	Bearing	
	25	2C70	1	Ring	
	26	2C110	1	Ring	
	27	1021-4202026-BA	1	Gear	

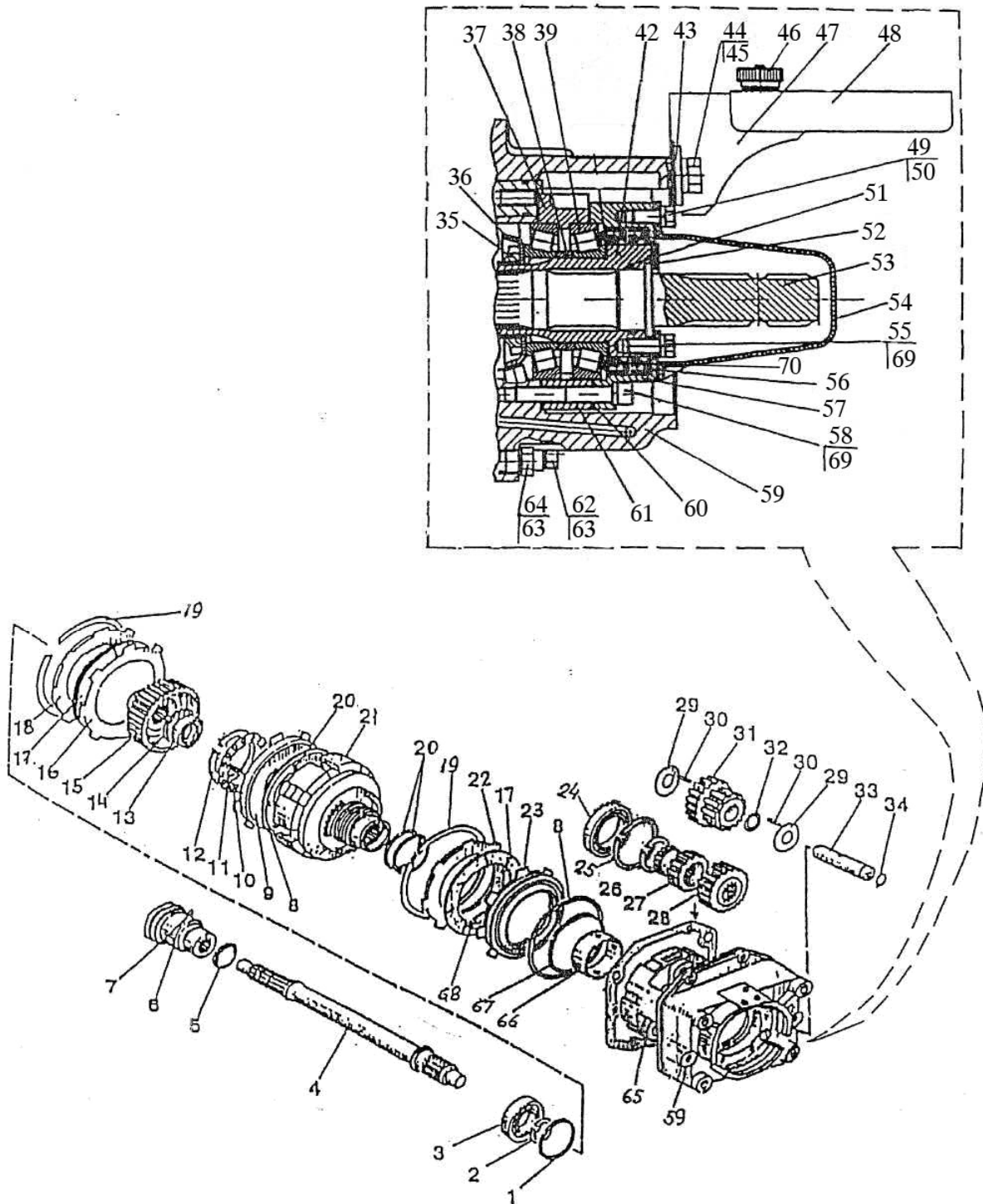


Fig. 104 Power take-off shaft

Group 42

Subgroup 4202. Power take-off shaft

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
104	28	1021-4202021-B	1	Gear	
	29	1522-4202023	6	Thrust washer	
	30	5x27,8A3	114	Roller	
	31	1522-4202028-B	3	Gear	
	32	1522-4202024-01	3	Bushing	
	33	1522-4202022	3	Intermediate axle	
	34	021-025-25-1-4	3	Ring	
	35	80-1701047	1	Nut	
	36	2022-4202069	1	Washer	
	37	2022-4202042	1	Cage	
	38	72-2308121***	2	Ring	
		or 72-2308121-01	2	Ring	
		or 72-2308.121-02	2	Ring	
		or 72-2308121-03	2	Ring	
		or 72-2308121-04	2	Ring	
		or 72-2308121-05	2	Ring	
		or 72-2308121-06	2	Ring	
		or 72-2308121-07	2	Ring	
		or 72-2308121-08	2	Ring	
		or 72-2308121-09	2	Ring	
		or 72-2308121-10	2	Ring	
		or 72-2308121-11	2	Ring	
	39	7212A	2	Bearing	
	42	2022-4202062	1	Bushing	
	43	C16.01.08 кп.019	2	Washer	
	44	Ml 6x25	2	Bolt	
	45	16OT	2	Washer	
	46	1522-4202094	2	Wheel	
	47	2022-4202096	1	Base	
	48	2022-4202092	1	Board	
	49	M10x20	2	Bolt	
	50	C10.01.019	2	Washer	
	51	044-050-36-2-2	1	Ring	
	52	1822-4202027	1	Thrust washer	
	53	2022-4202016	1	Tail of PTO shaft 1C (8 splines - 540 rev/min)	
		2022-4202016-01	1	Tail of PTO shaft1 (6 splines - 540 rev/min)	
		2022-4202017	1	Tail of PTO shaft 3 (20 splines) -1000 rev/min	

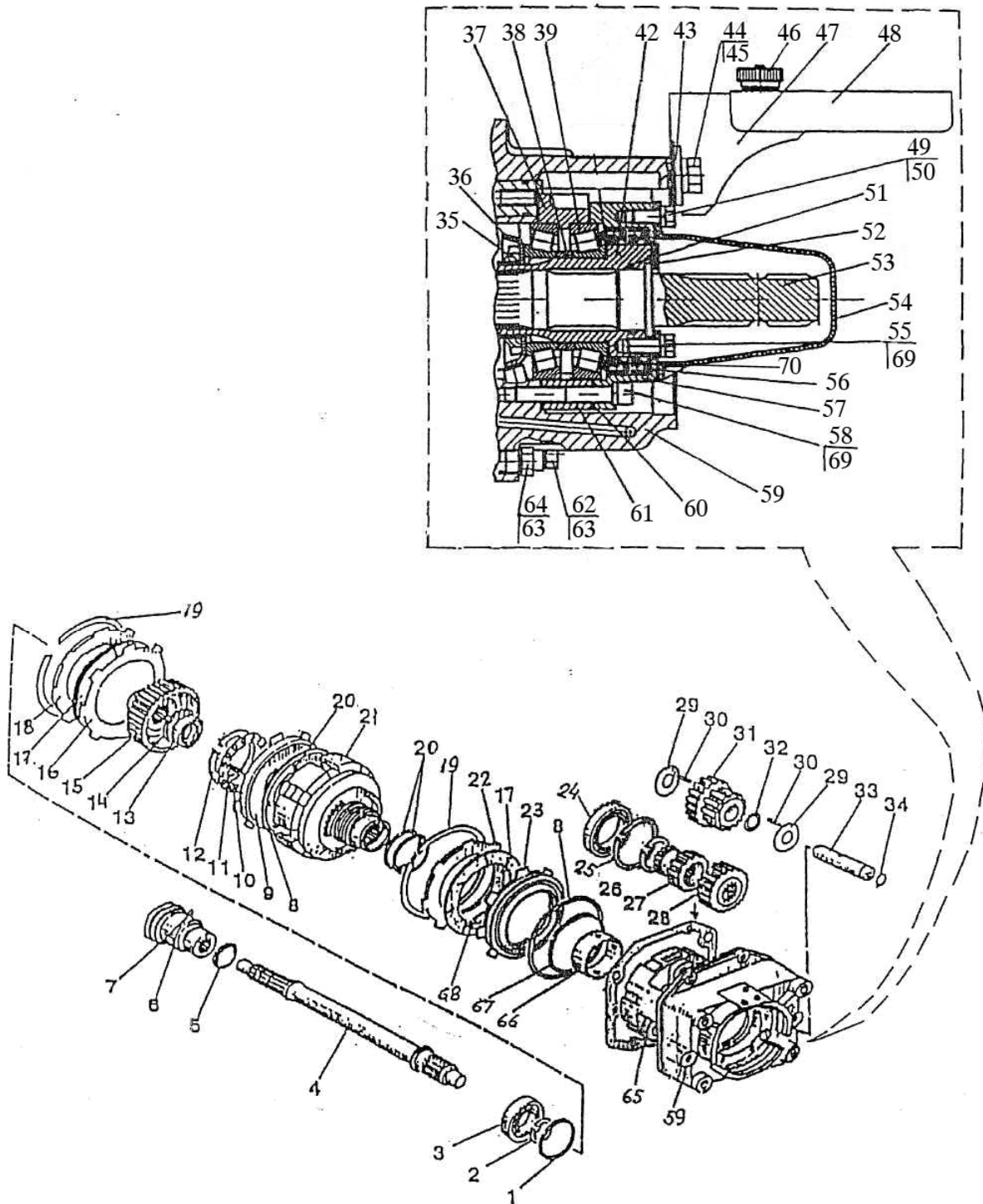


Fig. 104 Power take-off shaft

Group 42

Subgroup 4202. Power take-off shaft

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
104		2022-4282017-01	1	Tail of PTO shaft 2C (8 splines) - 1000rev/min	Optional
		2022-4202017-02*	1	Tail of PTO shaft 2 (21splines)- 1000rev/min	Optional
		2022-4202017-03		Tail of PTO shaft 2C1 (6 splines)- 1000 rev/min	
	54	2022-4202065	1	Cap	
	55	M10x25	4	Bolt	
	56	2.2-80x105	1	Collar	
	57	2022-4202018	1	Cover	
	58	M 10x70	6	Screw	
	59	2022-4202015	1	Housing	
	60	2022-4202012	2	Gasket	
	61	2022-4202042	1	Cage	
	62	M12x50	2	Bolt	
	63	12OT	6	Washer	
	64	M12x40	4	Bolt	
	65	1522-4202013-A	1	Gasket	
	66	142-4202042	1	Bushing	
	67	86-1802047	1	Ring	
	68	8020-4202041	4	Spring	
	69	10 OT	10	Washer	
	70	2.1-80-105	1	Collar	

* For tractors of 1222 series

** For tractors of 1523 series

*** Are selected by bearings adjustment

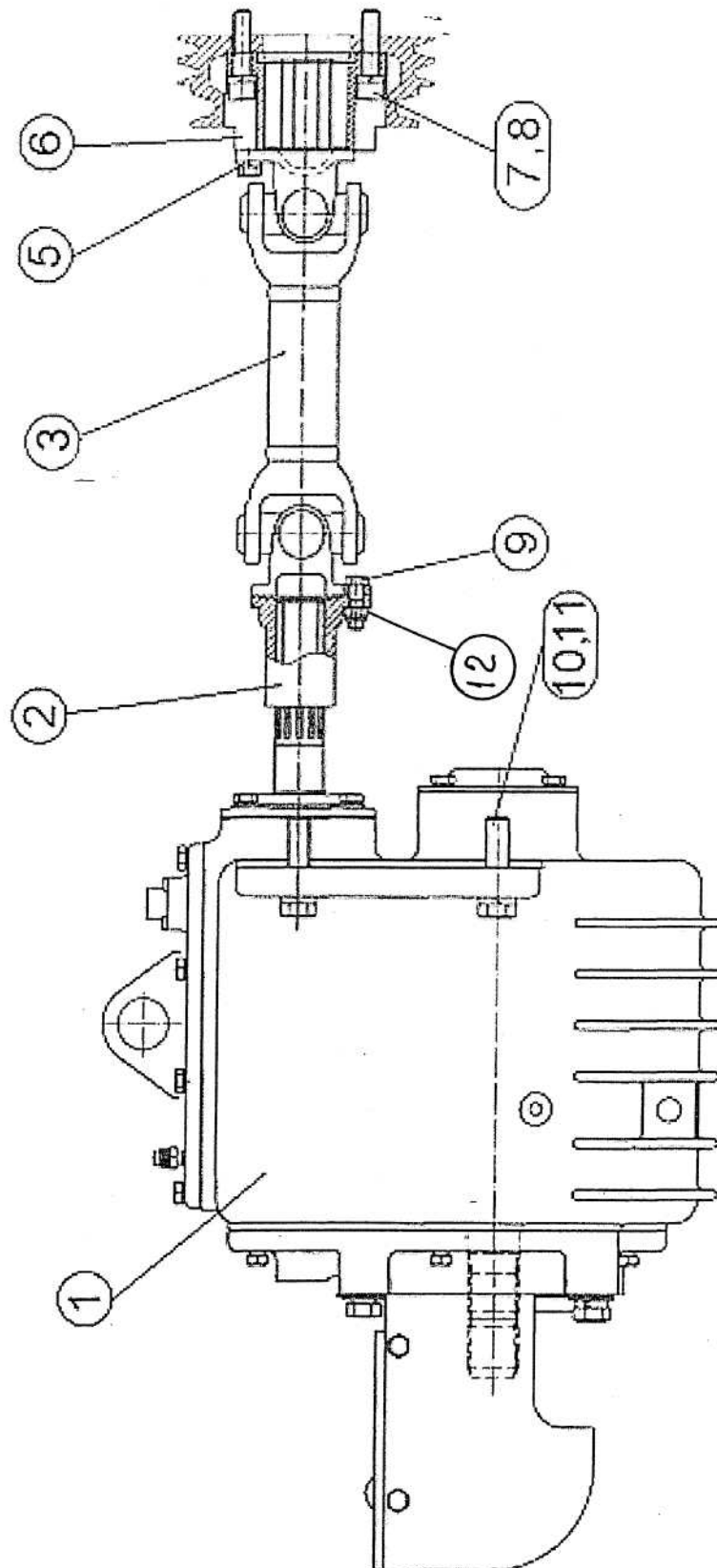


Fig. 105 Front power take-off

Group 42. Power take-off

Subgroup 4209. Front power take-off shaft

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
105		1522-4209010	1	Front power take-off in assembly	
	1	1522-4209025	1	Reducer	
	2	1522-4209017	1	Flange	
	3	1522-4209015-01	1	Shaft	Beam 1520-2801016
	5		4	Washer 10 OT OCT 37.001.115-75	
	6	1522-4209018	1	Spacer	
	7		6	Screw M12-6gx50.68.019 FOCT 11738-84	
	8		6	Washer 12 OT OCT 37.001.115-75	
	9	52-2203012	8	Bolt	
	10		4	Bolt M16-6gx60.88.35.019 FOCT 7795-70	
	11		4	Washer 16 OT OCT 37.001.115-75	
	12		4	Nut M10x1-8DIN ENISO 10511-98	

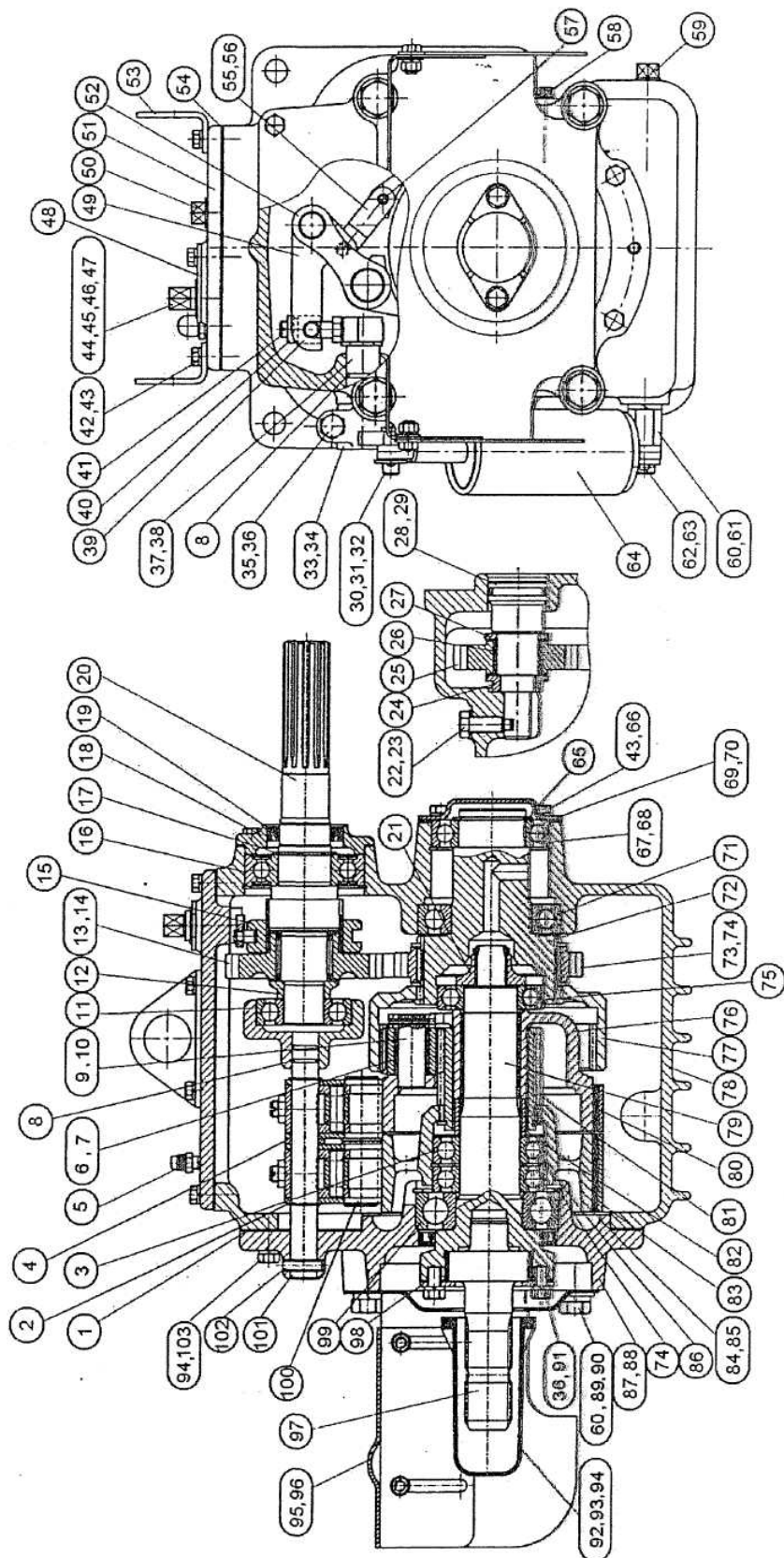


Fig. 106 Reducer of front power take-off shaft

Group 42. Power take-off

Subgroup 4209. Reducer of front power take-off shaft

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
106		1522-4209025	1	Reducer assembly	
		1521-4209065	1	Lever (30, 33-34)	
		1522-4209080	2	Lever (39-41,49)	
		1521 -4209085	1	Lever (44-46)	
	1	1521-4209042	1	Gasket	
	2		2	Ring C 20 ГОСТ 13940-86	
	3		2	Bearing 209A ГОСТ 8338-75	
	4	1521-4209076	1	Bushing	
	5	“MINTOR” TSSOG – 1/8”	1	Breather	
	6	70-4202024	3	Planet gear	
	7		3	Bearing KK20x26x34E	
	8		1	Ring 021-025-25-1-4 ГОСТ 18829-73/ГОСТ 9833-73	
	9	70-4202026	3	Planet gear axle	
	10		3	Pin 4x30.65Г	
	11		1	Bearing 6-180306A1 YC 23 ГОСТ 8882-75	
	12	1521-4209031	1	Washer	
	13	1521-4209028	1	Gear	
	14		2	Bearing 464607E	
	15	1521-4209029	1	Bushing	
	16		1	Bearing 180308AC23 ГОСТ 8882-75	
	17		1	Ring 2C 40 ГОСТ 13940-86	
	18	1522-4209061	1	Cover	
	19		1	Collar 2.2-38x58-1 ГОСТ 8752-79	
	20	1522-4209027	1	Shaft	
	21	70-4202083-A	2	Nut	
	22	50-1702046-A	1	Bolt	
	23	1521-4209044	1	Washer	
	24	1521-4209034	1	Bushing	
	25	1521-4209033	1	Gear	
	26		1	Bearing 3KK35x43x35E	
	27	1521-4209036	1	Washer	
	28	1521-4209032	1	Axle	
	29		1	Ring 038-046-46-1-4 ГОСТ 18829-73/ГОСТ 9833-73	
	30		1	Pin 12x32 OCT 37.001.163-75	Lever 1521-4209065

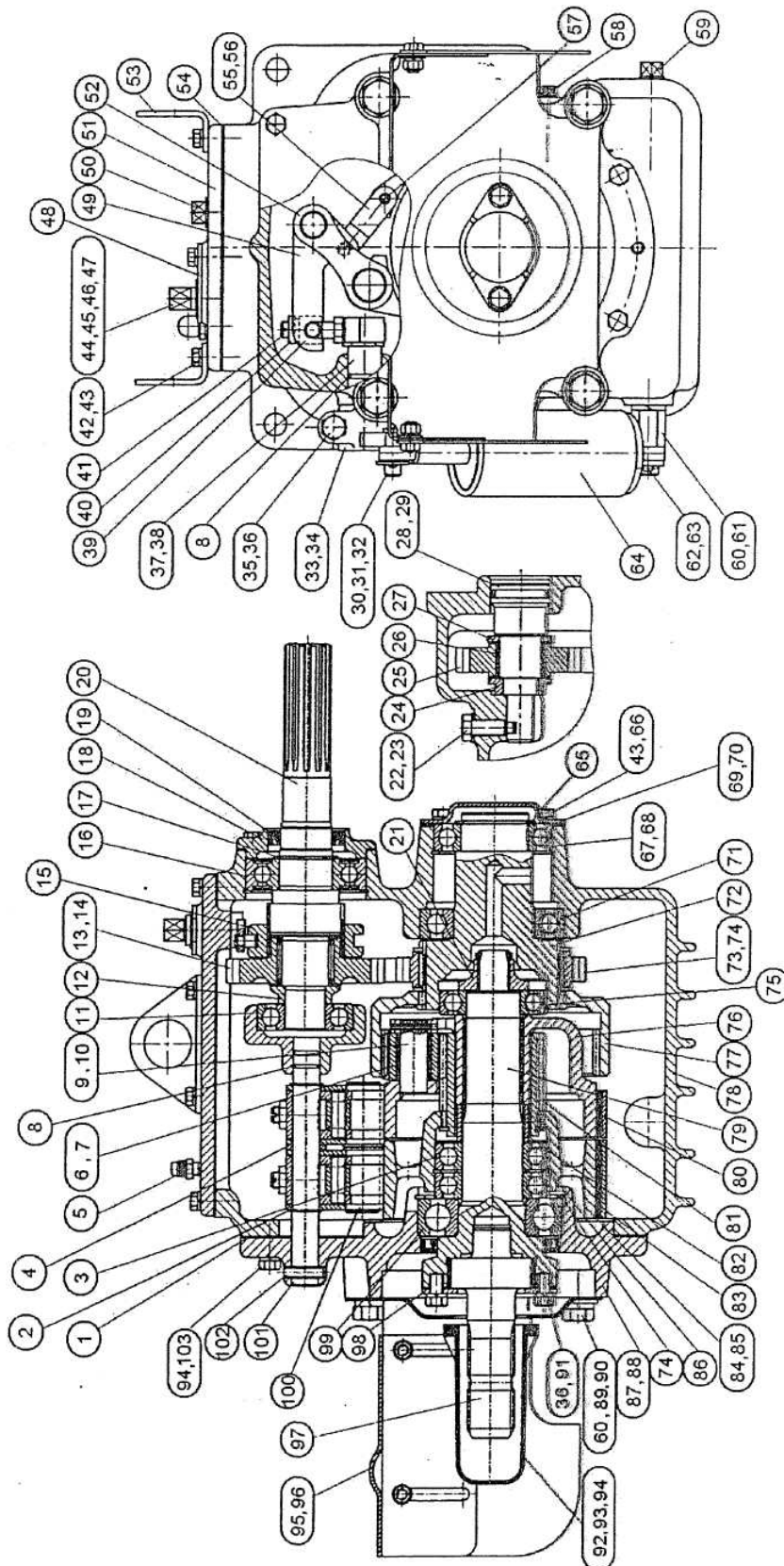


Fig. 106 Reducer of front power take-off shaft

Group 42. Power take-off

Subgroup 4209. Reducer of front power take-off shaft

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
106	31		1	Cotter pin 3,2x18.019 ГОСТ 397-79	
	32			Washer C12.01.019 ГОСТ 11371-78	
	33	50-3503063	1	Center boss	Lever 1521-4209065
	34	1521-4209066	1	Plate	Lever 1521-4209065
	35		1	Bolt M12-6gx35.88.35.019 ГОСТ 7796-70	
	36		1	Washer 12 OT OCT 37.001.115-75	
	37	1521-4209040	1	Lever	
	38	СШ6x11	1	Key	
	39	1522-4209084	2	Nut	Lever 1522-4209080
	40	1522-4209082	2	Pin	Lever 1522-4209080
	41	1522-4209083	2	Screw	Lever 1522-4209080
	42		14	Bolt M8-6gx25.88.35.019 ГОСТ 7796-70	
	43		18	Washer 8 T OCT 37.001.115-75	
	44	1521-4209086	1	Shaft	Lever 1521 - 4209085
	45	1521-4209087	1	Plate	Lever 1521-4209085
	46	70-1601114	1	Pin	Lever 1521-4209085
	47		1	Ring 017-022-30-1-4 ГОСТ 18829-73/ГОСТ 9833-73	
	48	1521-4209056	1	Plate	
	49	1521-4209081	2	Lever	Lever 1522-4209080
	50	ПК КГ 3/4"	1	Plug	
	51	1522-4209057	1	Cover	
	52	2522-4209149	4	Clamp band	
	53	80-4608073	2	Bracket	
	54	1522-4209041	1	Gasket	
	55	1521-4209078	2	Clamp band	
	56		1	Pin 2.10x35.019 Ц9 xp. ГОСТ 3128-70	
	57	ШЦК8x36	1	Pin	
	58		1	Plug КГ 1/8" А 12.019 ТУ 23.1.506-91	

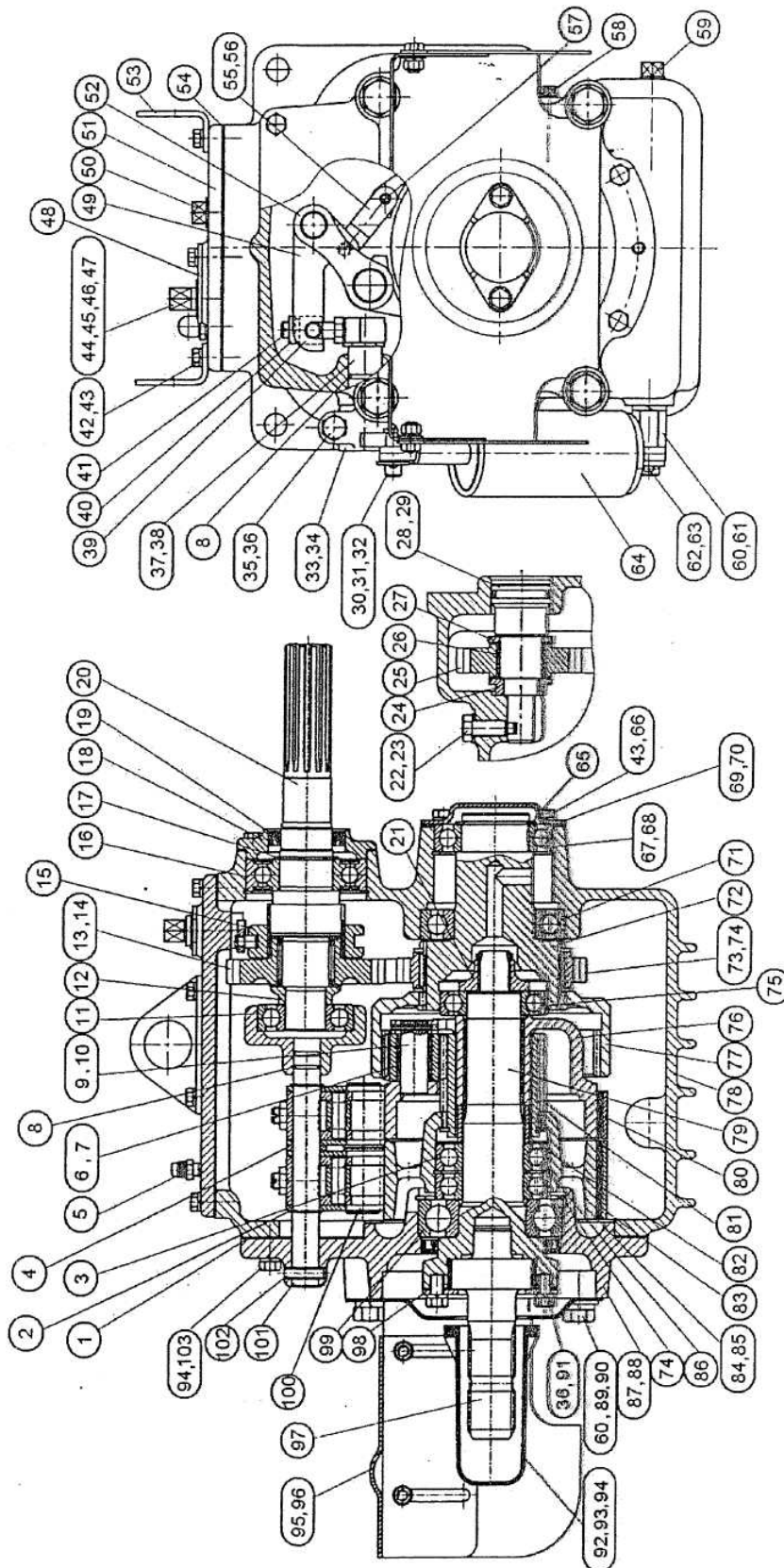


Fig. 106 Reducer of front power take-off shaft

Group 42. Power take-off

Subgroup 4209. Reducer of front power take-off shaft

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
106	59	ПК КГ 3/8"	1	Plug	
	60		5	Washer 16 OT OCT 37.001.115-75	
	61	1521-4209037	1	Bolt	
	62		1	Cotter pin 4x36.019 ГОСТ 397-79	
	63		1	Washer C16.01.019 ГОСТ 11371-78	
	64	80-4216100	1	Cylinder	
	65		2	Ring 2C 50 ГОСТ 13940-86	
	66		4	Bolt M8-6gx20.88.35.019 ГОСТ 7796-70	
	67		1	Bearing 210AYIII1 ГОСТ 8338-75	
	68		2	Rings 2C 90 ГОСТ 13941-86	
	69	1521-4209038	1	Cover	
	70	1521-4209039	2	Gasket	
	71		1	Bearing 212AYIII1 ГОСТ 8338-75	
	72	1522-4209046	1	Shaft	
	73	1521-4209047	1	Gear	
	74		3	Ring 2C 110 ГОСТ 13941 -86	
	75		1	Bearing 208A ГОСТ 8338-75	
	76	85-4202065	1	Carrier	
	77	70-4202043	1	Crown gear	
	78	1522-4209026	1	Housing	
	79	80-4202017-Б	1	Shaft	
	80	2522-4209125-01	1	Band	
	81	70-4202032	1	Sun gear	
	82	70-4202077	1	Bushing	
	83	2522-4209125	1	Band	
	84	85-4202033	1	Drum	
	85		1	Ring 2C 68 ГОСТ 13940-86	
	86		1	Ring 2C 85 ГОСТ 13940-86	
	87	1521-4209071	1	Cover	
	88		1	Collar 2.2-80X 105-1 ГОСТ 8752-79	
	89		4	Bolt M16-6dx32.88.35.019 ГОСТ 7796-70	
	90		2	Washer C16.01.019 ГОСТ 6958-78	

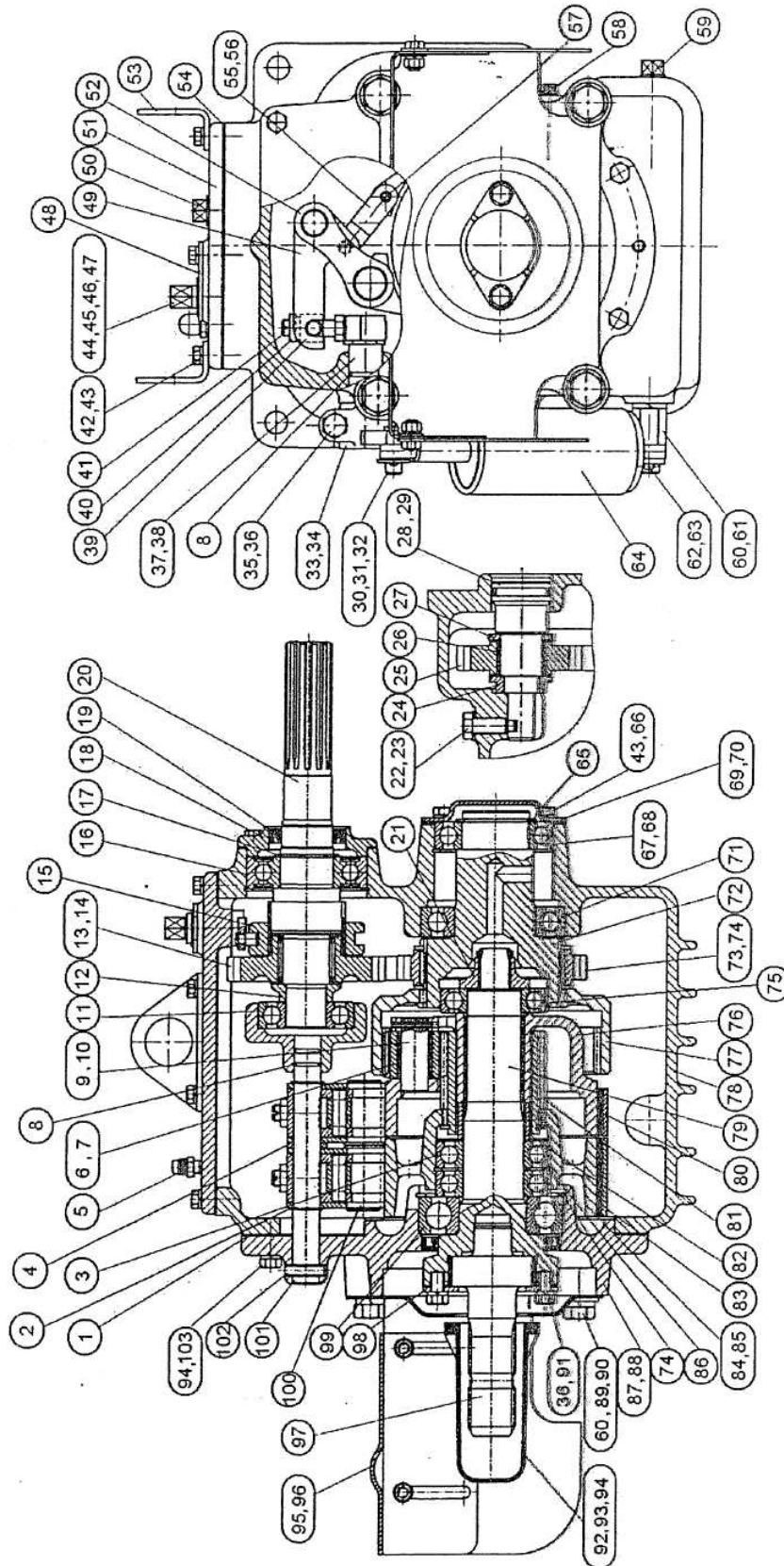


Fig. 106 Reducer of front power take-off shaft

Group 42. Power take-off

Subgroup 4209. Reducer of front power take-off shaft

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
106	91		7	Bolt M10-6gx18.88.35.019 ГОСТ 7796-70	
	92	50-4202065-A	1	Cap	
	93		2	Bolt M8-6gx16.88.35.019 ГОСТ 7796-70	
	94		11	Washer 10 OT OCT 37.001.115-75	
	95	Ø70-4202140	1	Guard	
	96		4	Washer C8.01.019 ГОСТ 11371-78	
	97	80-4202019-Б-02	1	Tail	
	98	80-4202081-A	1	Plate	
	99		1	Bearing 60310A ГОСТ 8882-75	
	100	2522-4209148	2	Pin	
	101	1521-4209072	1	Axle	
	102		1	Pin A8x30.65Г Chem. Phosp. . ГОСТ 14229-93	
	103		6	Bolt M10-6gx25.88.35.019 ГОСТ 7796-70	

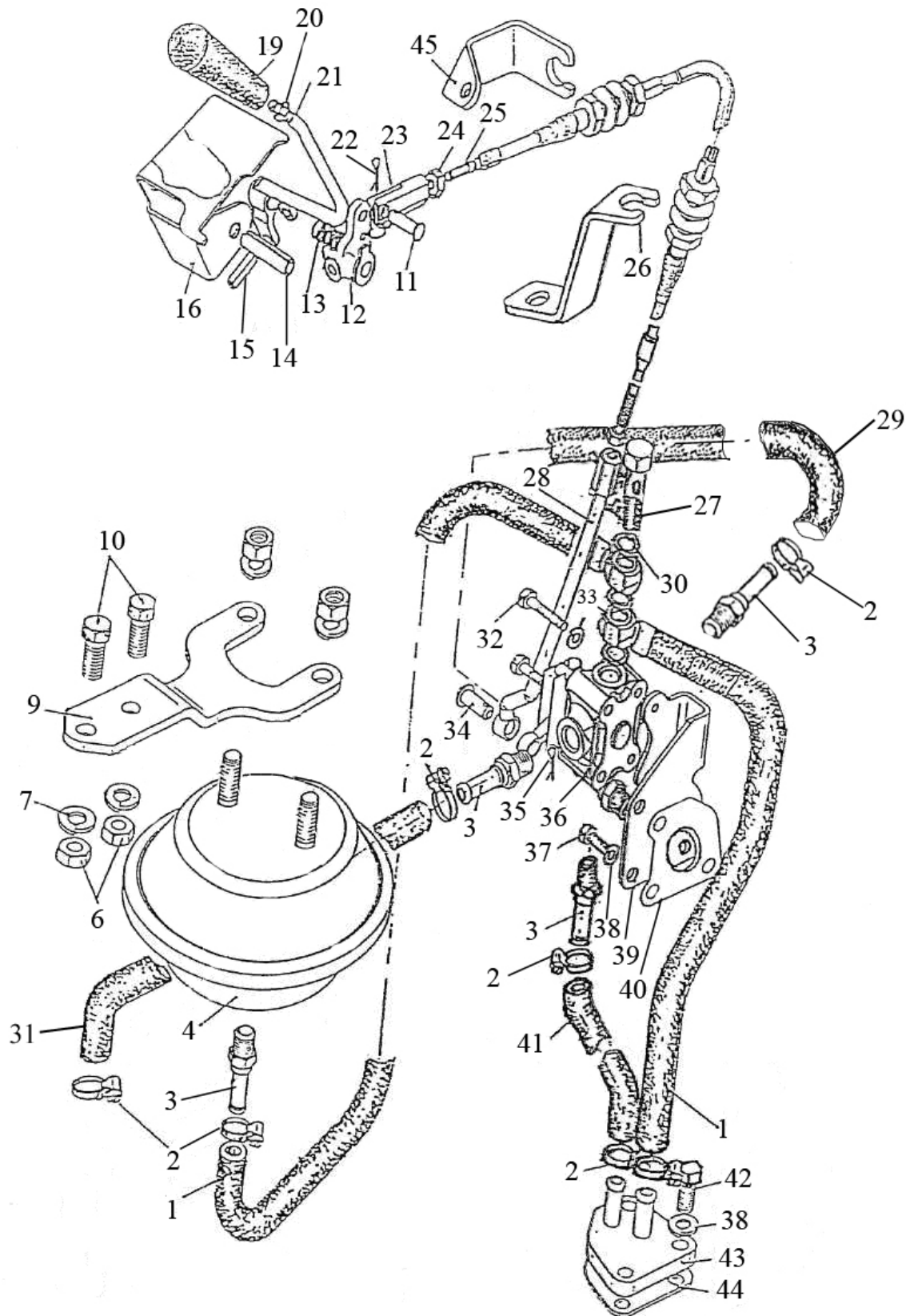


Fig. 107 Control of rear PTO hydraulic drive

Group 42.

Subgroup 4218. Control of rear PTO hydraulic drive

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
107		1822-4218105	1	Change over switch (12-16),(19-21)	
	1	2022-4218030	2	Pipe	
	2	TORRO 12-20/9-C6W	7	Clamp "Norma"	
	3	85-3407470	5	Union	
	4	A29.66.000-B	1	Pneumatic coupling piece	
	6	M10	2	Nut	
	7	100T	2	Washer	
	9	1522-4216011	1	Bracket	
	10	M10x30	2	Bolt	
	11	6x18	1	Pin	
	12	1822-4218116	1	Shaft	
	13	50-1702148-A	1	Spring	
	14	A10x40	1	Pin	
	15	A8x30	1	Pin	
	16	1822-4218117	1	Base	
	19	1822-4218121	1	Handle	
	20	M8	1	Nut	
	21	1822-4218115	1	Handle	
	22	1,6x12	1	Cotter pin	
	23	80B-1108542-01	1	Adapter	
	24	M 6	2	Nut	
	25	23.588.1.1.2.00.01-02 or 772-L-IT-75-1250 or 100.M4322.01250	1	Cable L=1250	
	26	1523-4218122	1	Clamp	
	27	240-1111103	1	Bolt of turning elbow	
	28	1522-4218110-01	1	Rod	
	29	1221-2412026-05	1	Sleeve	
	30	Д18-055-A	3	Sealing ring	
	31	2022-4218026-02	1	Sleeve	
	32	M6x40	2	Bolt	
	33	6T	2	Washer	
	34	8x22	1	Pin	
	35	3,2x25	1	Cotter pin	
	36	85-4216115	1	Cock	
	37	M8x20	3	Bolt	

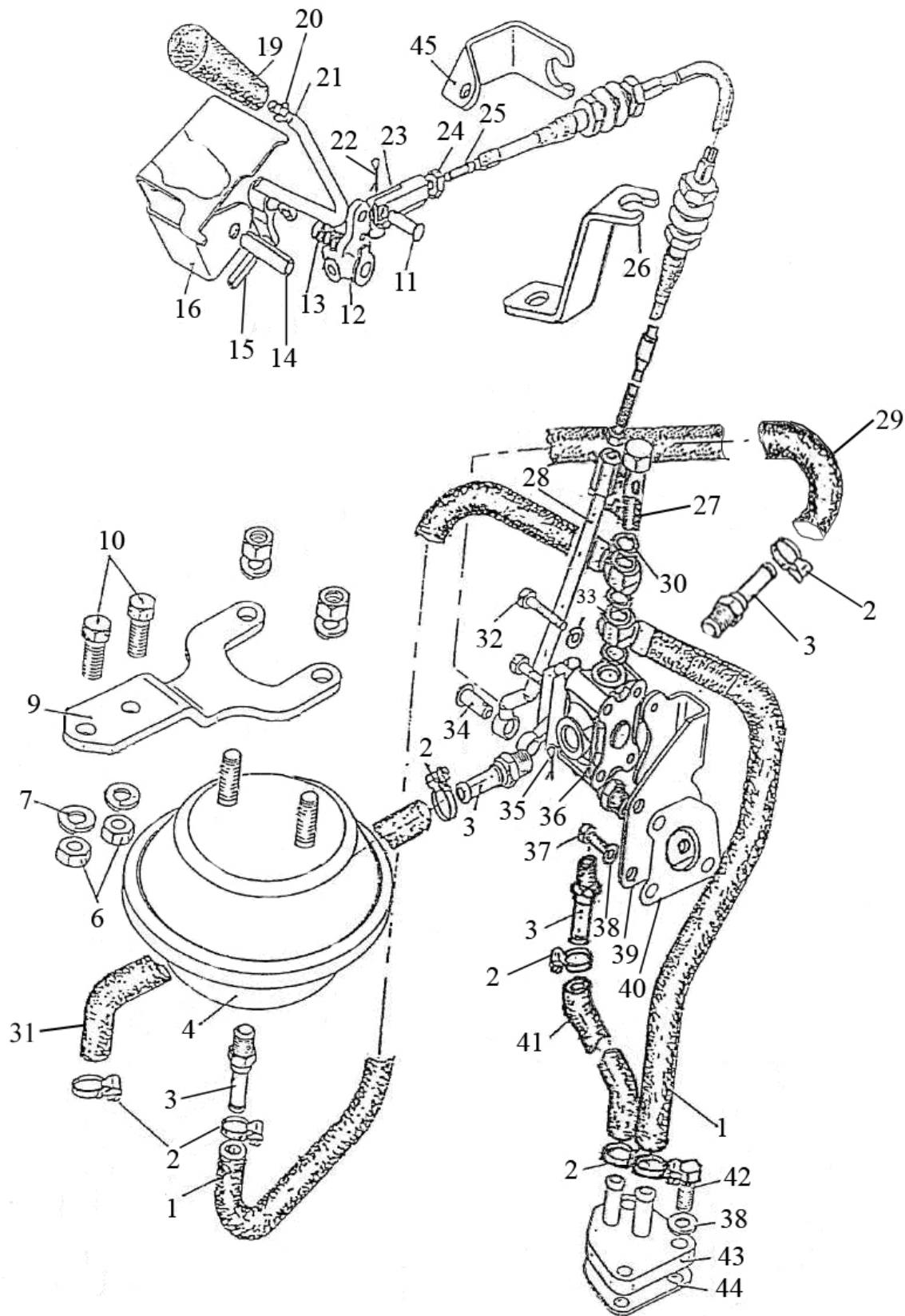


Fig. 107 Control of rear PTO hydraulic drive

Group 42.

Subgroup 4218. Control of rear PTO hydraulic drive

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
107	38	8T	6	Washer	
	39	1223-4218041	1	Bracket	
	40	1522-4218002	1	Gasket	
	41	2022-4218026-01	1	Sleeve	
	42	M8x25	3	Bolt	
	43	2022-4218025	1	Flange	
	44	2522-4218002	1	Gasket	
	45	1522-4218114	1	Clamp	
	46	1223-4218031	1	Sleeve	

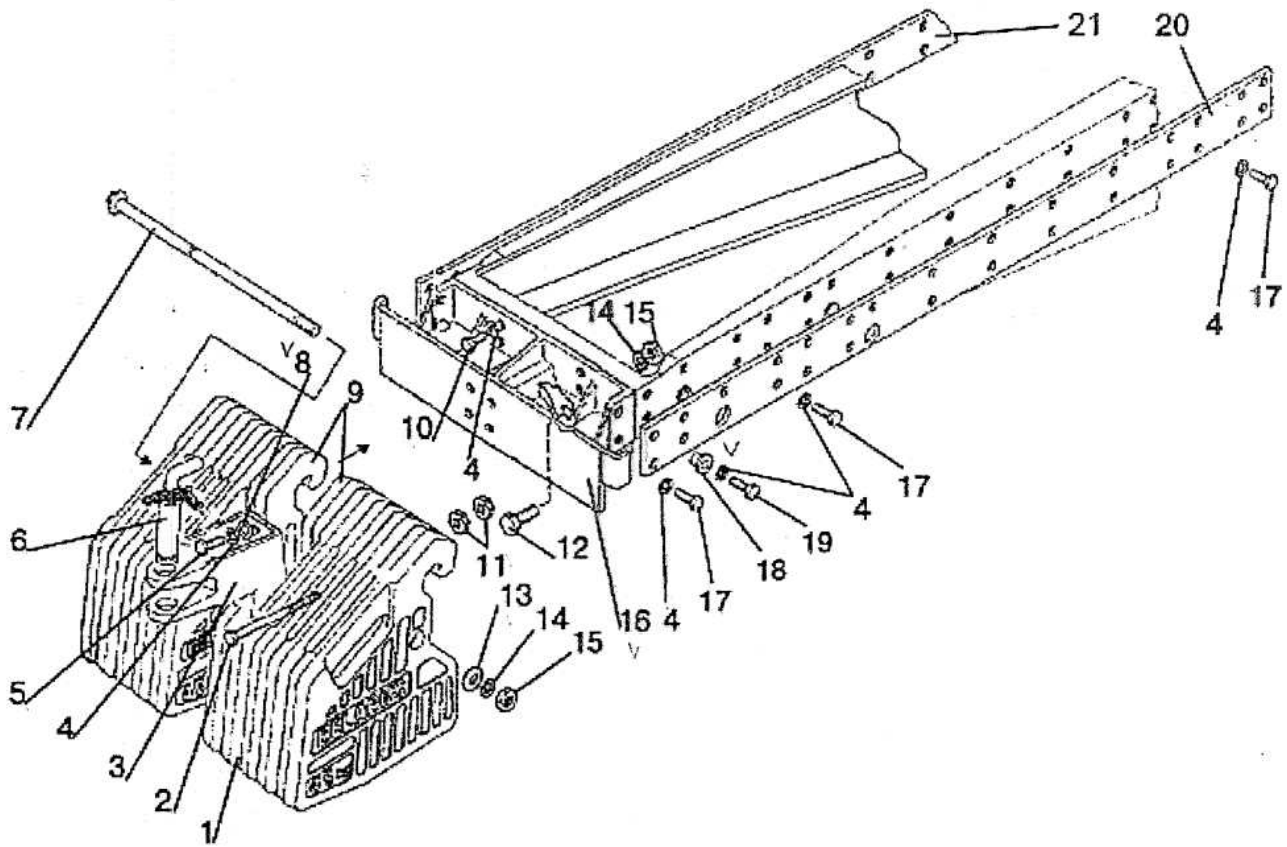


Fig. 108 Ballast weights

Group 42. Power take-off**Subgroup 4235. Ballast**

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
108	1	80-4235011-A	8	Weight 45 kg	
	2	1025-4235012	2	Bolt	
	3	85-4235025-B	1	Ear	
	4	IIIPI16	46	Washer	
	5	M16x45	2	Bolt	
	6	70-4235030	1	Pivot stud	
	7	1025-4235015-01	1	Draw bar	
	8	IIIPI16	2	Washer	
	9	1521-4235011-A	2	Weight 40 kg	
	10	M16x40	4	Bolt	
	11	M18	4	Nut	
	12	70-4605036	2	Bolt	
	13	40-3502084	1	Washer	
	14	IIIPI20	3	Washer	
	15	M20	3	Nut	
	16	1521-4235020	1	Bracket	
	17	M16x50	38	Bolt	
	18	1521-4535029	2	Bushing	
	19	M16x60	2	Bolt	
	20	1222-4235012	1	Left plate	
	21	1222-4235013	1	Right plate	

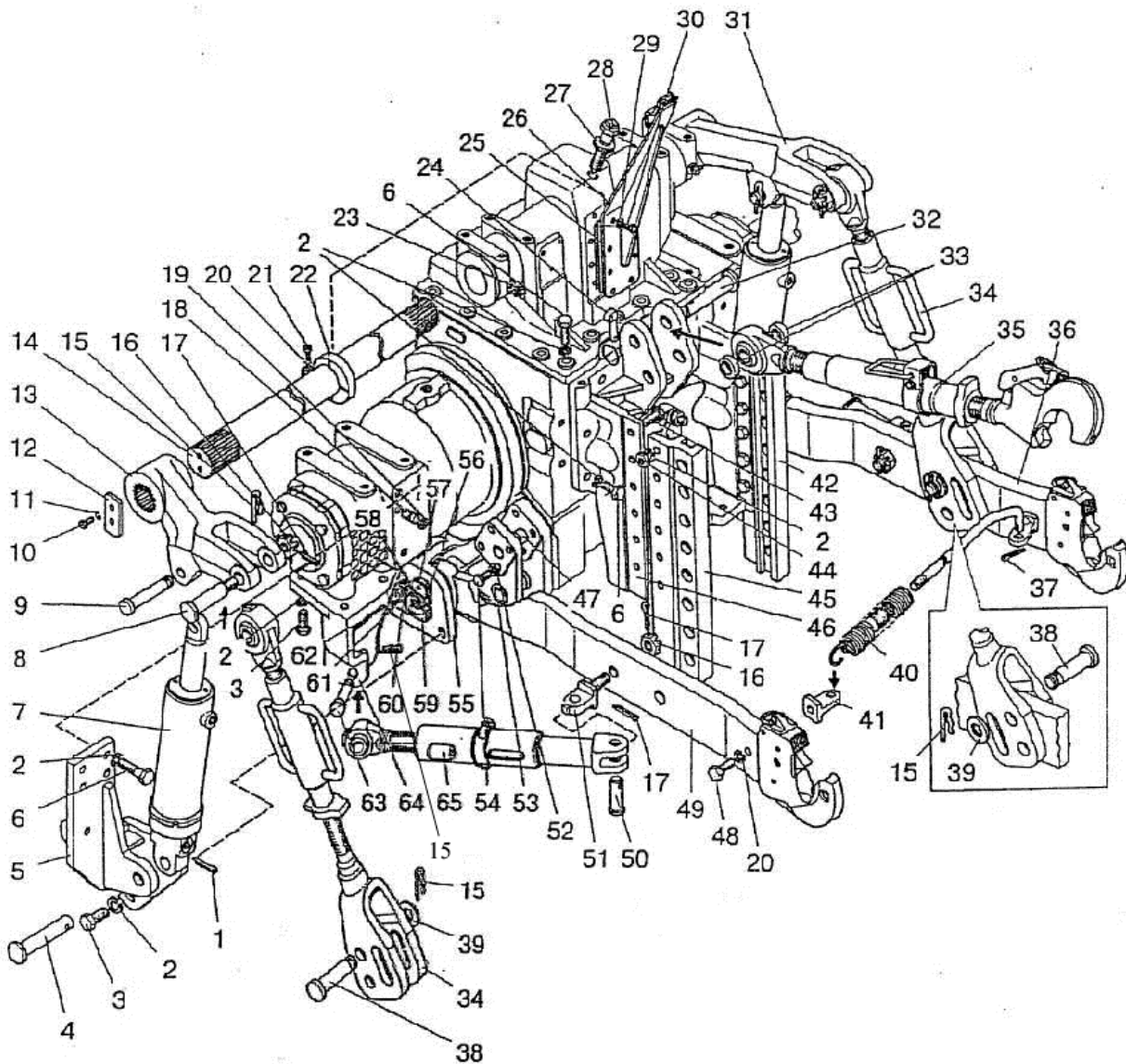


Fig. 109 Mounting unit (hitch)

Group 46. Remote-cylinder hydraulic system

Subgroup 4605. Mounting unit

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
109	1	6.3x50	2	Cotter pin	
	2	IIII20	30	Washer	
	3	680-42707024	12	Bolt	
	4	1522-4605009	2	Pin	
	5	1522-4605015	1	Bracket	
		1522-4605015-01	1	Bracket	
	6	70-4605036	18	Bolt	
	7	II90X250.010	2	Cylinder	
	8	1522-4605008	2	Pin	
	9	1522-4605037	2	Pin	
	10	M12x25	4	Bolt	
	11	IIII12	4	Washer	
	12	1522-4605024-B	2	Washer	
	13	1522-4605021	1	Lever	
	14	1522-4605023	1	Shaft	
	15	A61.07.001	6	Cotter pin	
	16	A04.02.020	4	Nut	
	17	6,3x36	6	Cotter pin	
	18	50-4605027	4	Pin	
	19	54.38.619	4	Locking ring	
	20	IIII 10	7	Washer	
	21	M10x45	1	Screw	
	22	1522-4605025	1	Eccentric	
	23	1,3 II9xp	2	Oiler	
	24	A61.05.100-05	1	Cotter	
	25	1522-2401028	1	Gasket	
	26	1522-4605145	1	Bracket	
	27	1522-4605149	1	Nut	
	28	BOSCH R9I7001941	1	Position sensor	
	29	IIII 8	8	Washer	
	30	M8x25	8	Bolt	
	31	1522-4605021-01	1	Lever	
	32	1522-4605036	1	Pin	
	33	1522-4605091	2	Bushing	
	34	1522-4605060	2	Drop link	
	35	1522-4605090-B	1	Upper rod	
	36	1522-4605030	1	Lower rod	
	37	3,2x25	1	Cotter pin	
	38	1522-4605033	2	Pin	
	39	1522-4605032	2	Washer	

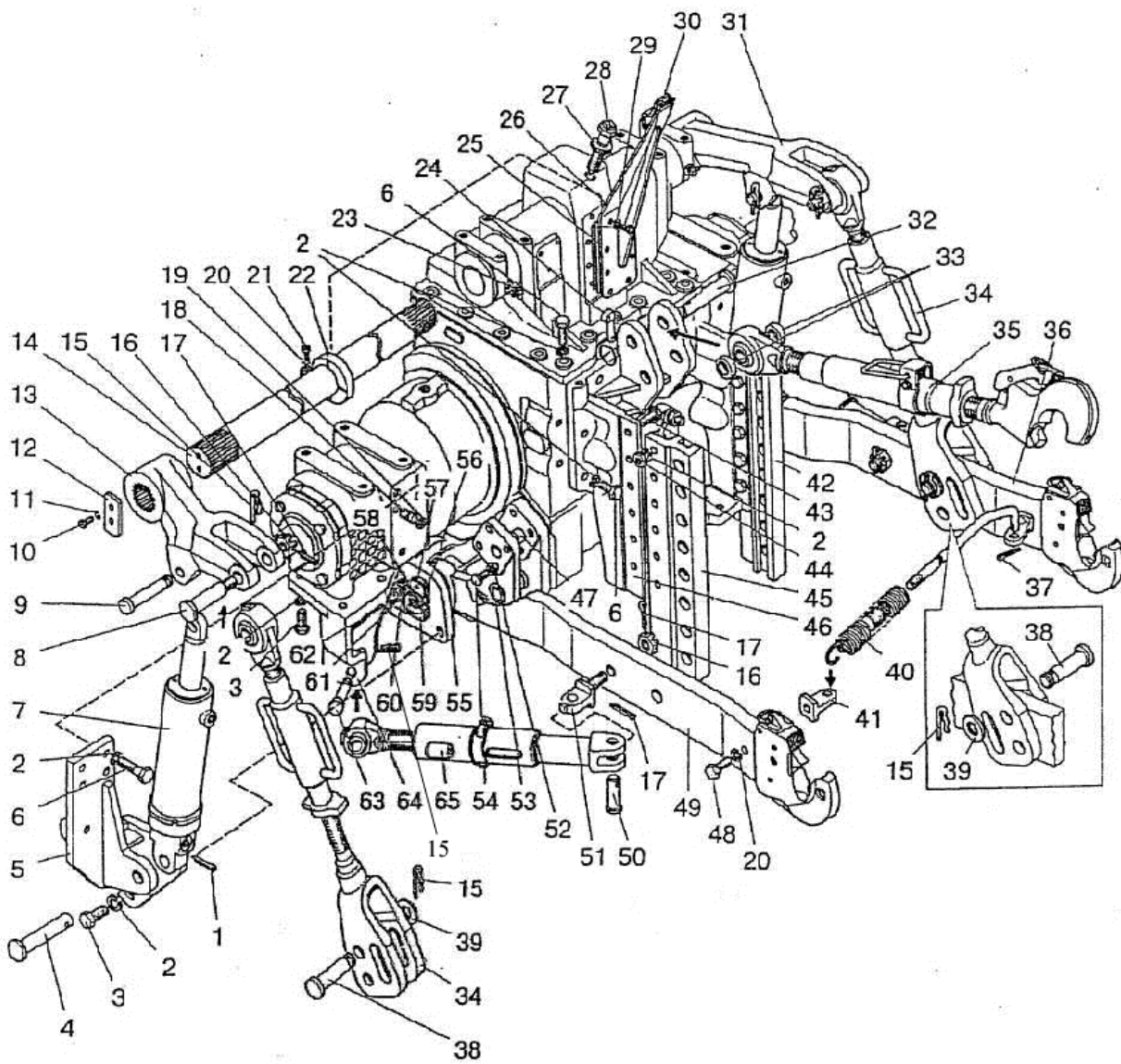


Fig. 109 Mounting unit

Group 46. Remote-cylinder hydraulic system
Subgroup 4605. Mounting unit

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
109	40	090243	1	Spacer	
	41	1522-4605038	2	Ear	
	42	1522-2707062-Б	1	Guide	
	43	1522-2707149-01	12	Bolt	
	44	M20x1,5	12	Nut	
	45	1522-2707062-Б-01	1	Guide	
	46	1522-2707061-Б	1	Bracket	
	47	1220-4605507	2	Pin	
	48	M10x50	2	Bolt	
	49	1522-4605035	1	Lower rod	
	50	1522-4605121	2	Pin	
	51	1522-4605034	2	Ear	
	52	IIIП16	8	Washer	
	53	1522-4605039	2	Bushing	
	54	1220-4605506	8	Bolt	
	55	1522-4605011	1	Left bracket	
		1522-4605011-01	1	Right bracket	
	56	1522-4605701	2	Clamp	
	57	1522-4605702	4	Bushing	
	58	BOSCH R917000165	2	Force sensor	
	59	1522-4605006	2	Cover	
	60	70-3723042-01	2	Bushing	
	61	IIIЧ10	4	Washer	
	62	BM10x35	4	Screw	
	63	1220-4605084-01	2	Pin	
	64	1522-4605012	1	Left bracket	
		1522-4605012-01	1	Right bracket	
	65	1522-4605120	2	Turnbuckle	

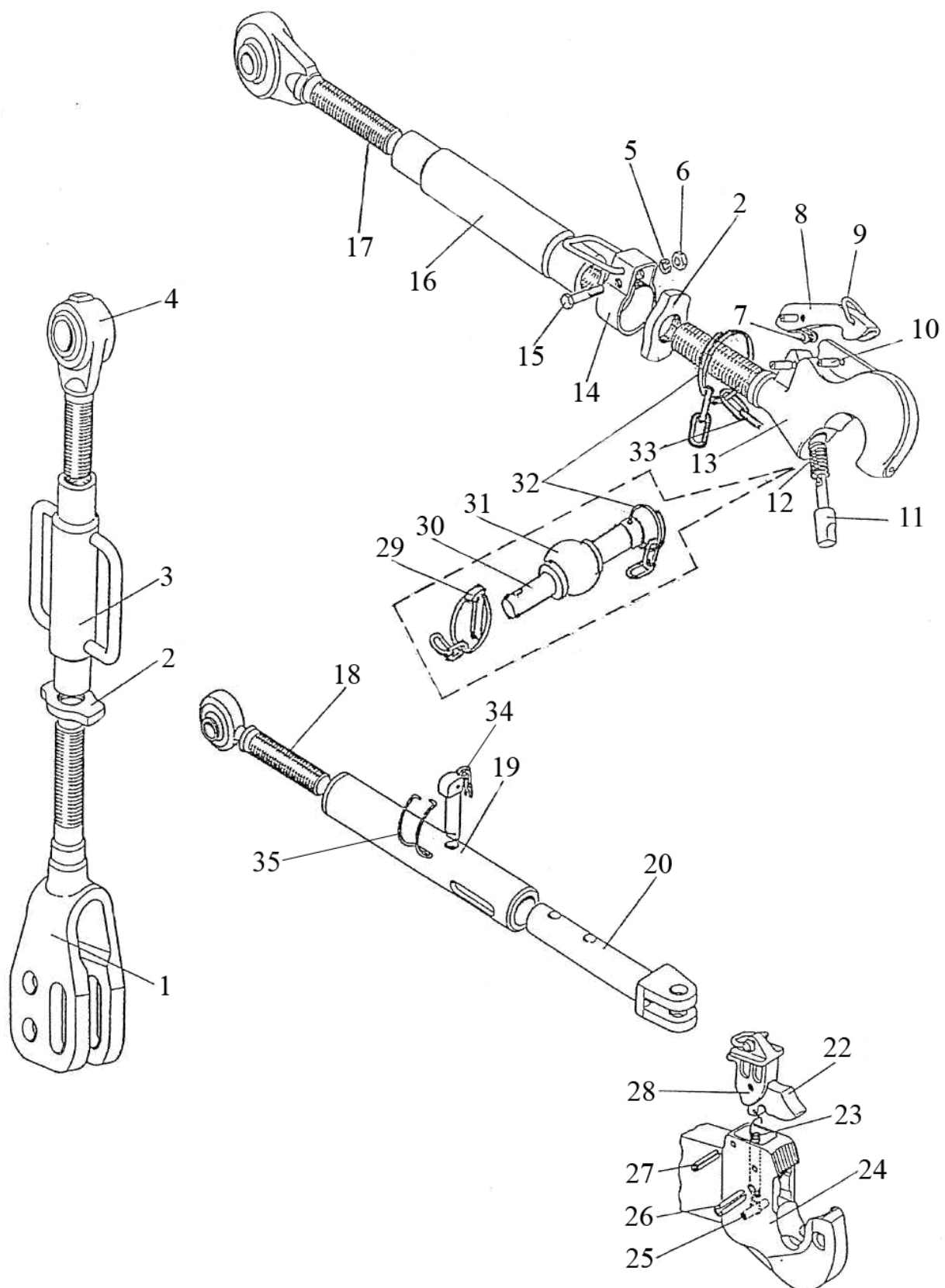


Fig. 110 Blocks and components of mounting unit

Group 46 Remote-cylinder hydraulic system

Subgroup 4605. Blocks and components of mounting unit

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
110		1522-4605120	2	Turnbuckle (18-20,35,34)	
		308202		Acquisition of top link (7-13)	
		1522-4605090	1	(2,5-17, 29-33)	
		1522-4605060	2	Top link (1-4)	
		204592		Acquisition of draft link (21-28)	
	1	1522-4605080	1	Fork	
	2	1522-4605071	1	Lock nut	
	3	1522-4605075	1	Pipe	
	4	1522-4605065	1	Screw	
	5	IIII10	1	Washer	
	6	M10	1	Nut	
	7	099049	1	Spring	
	8	306842	1	Handle	
	9	099015	1	Clamp	
	10	010486	3	Pin 6x28	
	11	099113	1	Stop	
	12	099050	1	Latch spring	
	13		1	Acquisition of top link	
	14	1522-4605110	1	Bracket	
	15	M10x50	1	Bolt	
	16	1522-4605076-01	1	Pipe	
	17	1522-4605065-01	1	Screw	
	18	1522-4605125	1	Screw	
	19	1522-4605130	1	Guide	
	20	1522-4605135	1	Slider	
	22	309758	1	Clamper latch	
	23	308524	1	Spring	
	24		1	Acquisition of draft link	
	25	099435	1	Pin 6x32	
	26	099599	1	Pin 13x36	
	27	308520	1	Thrust pin 10x36	
	28	200030	1	Handle	
	29	A61.05.100	1	Cotter with chain	
	30	1220-4605593	1	Pin	
	31	W522-4605556	1	Pin joint	
	32	A61.03.002	2	Ring	
	33	A61.08.01	1	Chain	
	34	1522-4605141	1	Cotter	
	35	1522-4605142	1	Spring	

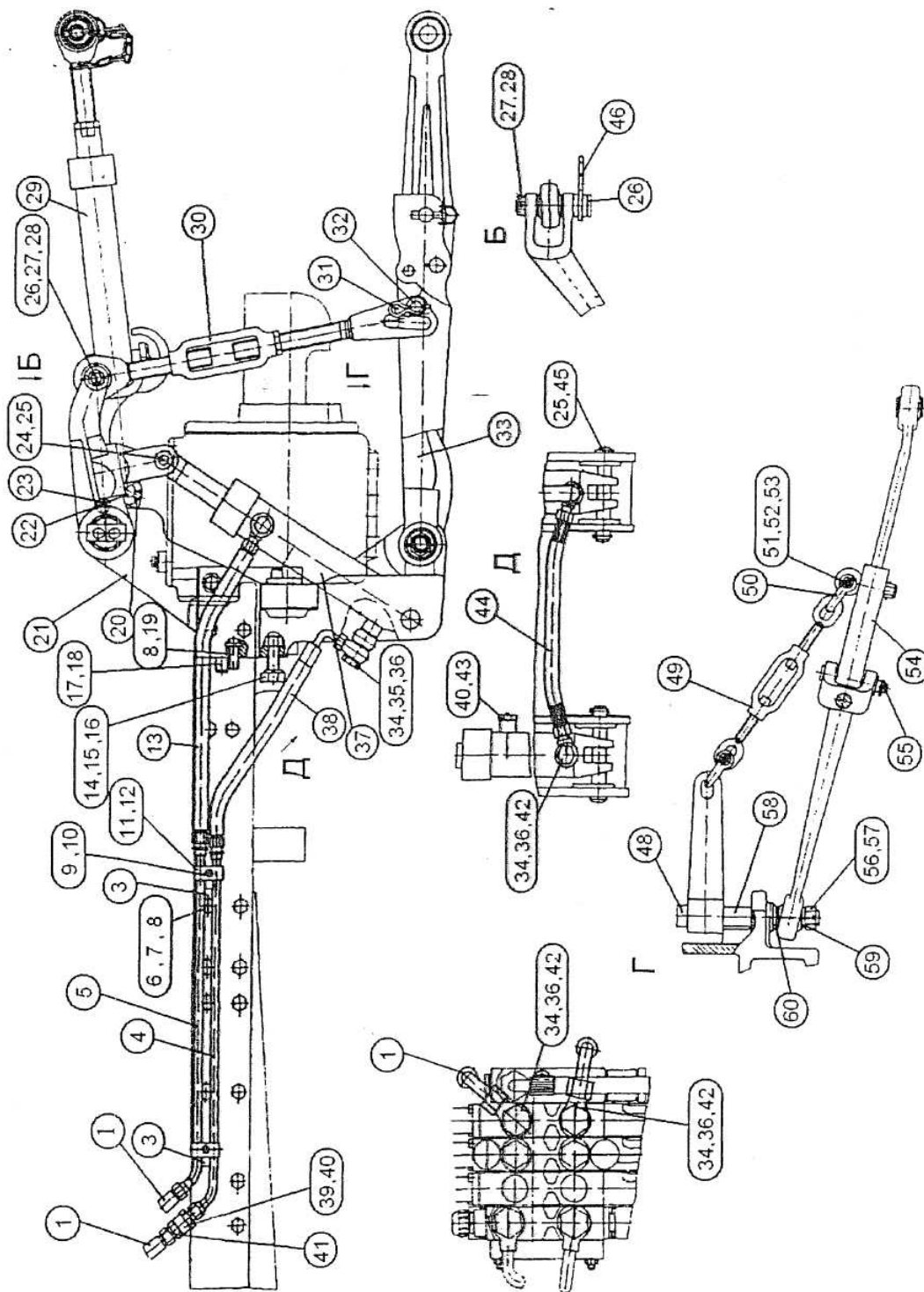


Fig. 111 Front mounting unit

Group 46. Remote-cylinder hydraulic system
Subgroup 4606. Front mounting unit

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
111	1	680-4607140-07	2	High pressure hose Ø10x1 armoured	
	3	80-4607554	2	Bracket	
	4	1522-4606550-01	1	Pipe	
	5	1522-4606550	1	Pipe	
	6		2	Bolt M16-6gx50.88.35.019 ГООТ 7796-70	
	7		1	Nut M16-6H.6.019 ГООТ 5915-70	
	8		10	Washer 16 OT OCT 37.001.115-75	
	9		2	Bolt M8-6gx35.88.35.019 ГООТ 7796-70	
	10		2	Washer 8T OCT 37.001.115-75	
	11	70-3407146	2	Strip	
	12	70-3506027	4	Bushing	
	13	H.036.83.140	1	High pressure hose Ø12,5x2 armoured	
	14	70-4605036	2	Bolt	
	15		2	Nut M20-6H.6.019 ГООТ 5915-70	
	16		2	Washer 20 OT OCT 37.001.115-75	
	17	50-4605027	4	Pin	
	18	54.38.619	4	Lock ring	
	19		8	Bolt M16-6gx45.88.35.019 ГООТ 7796-70	
	20		1	Pin A.8X45.65Г ГООТ 14229-93	
	21	1220-4606110	1	Bracket	
	22	1220-4606014	1	Axle	
	23		2	Oiler 1.3.Ц9.xp ГООТ 19853-74	
	24	680-4605037	2	Pin	
	25		4	Cotter pin 5x36.019 ГООТ 397-79	
	26	50-4605076	2	Pin	
	27	70-3003032	2	Nut	

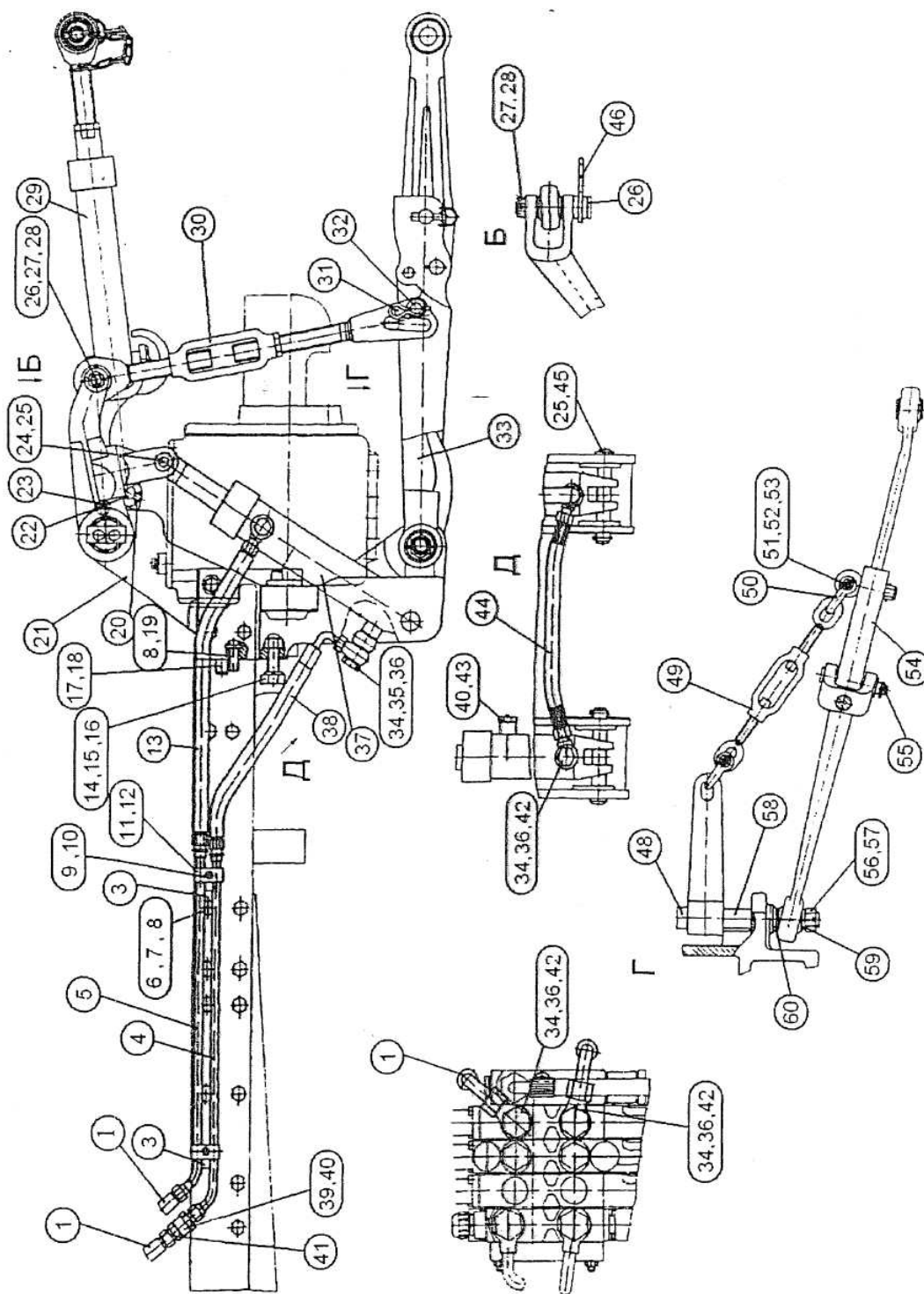


Fig. 111 Front mounting unit

Group 46. Remote-cylinder hydraulic system
Subgroup 4606. Front mounting unit

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
111	28		2	Cotter pin 4x36.019 ГОСТ 397-79	
	29	1220-4606040-A	1	(Draft) link	
	30	1220-4506150	2	Drop link	
	31	A61.07.001	2	Cotter pin	
	32		2	Washer C18.01.08кп.019 ГОСТ 11371-78	
	33	50-4605030-A3-03	1	Rod	
	34	40-4607038-A	11	Washer	
	35	C80-4607332	1	Bolt	
	36	530-4614029	6	Elbow	
	37	КГЦ 265.63-40-200	2	Hydraulic cylinder Ц63x40x200	
	38	680-4607140-05	1	High-pressure hose Ø10 x1 armoured	
	39	K1221-4607023	1	Union	
	40		1	Ring 017-022-30-1-4 ГОСТ 18829-73 ГОСТ 9833-73	
	41	H.036.65.000 A2-02	1	Slowing-down valve	
	42	40-4607032	4	Clamping bolt	
	43	H.036.77.000	1	Breather	
	44	ПН.036.83.010	1	High-pressure hose Ø10x1 armoured	
	45	680-4605037-01	2	Pin	
	46	1220-4606090	1	Stop	
	48	50-4605018-Б	1	Bushing	
	49	50-4605115	2	Coupler	
	50	A.61.09.002	2	Clevis	
	51	50-4605086	2	Bolt	
	52		2	Nut M12-6H.04.019 ГОСТ 5919-73	
	53		2	Cotter pin 3,2x18.019 ГОСТ 397-79	
	54	50-4605035-A3-03	1	Rod	
	55	Φ50-4605084	2	Pin	
	56	A04.02.020	2	Nut	
	57		2	Cotter pin 5x45.019 ГОСТ 397-79	
	58	70-4605026	1	Axle	
	59	70-4605047	2	Bushing	
	60	50-4605068-Б1	2	Washer	

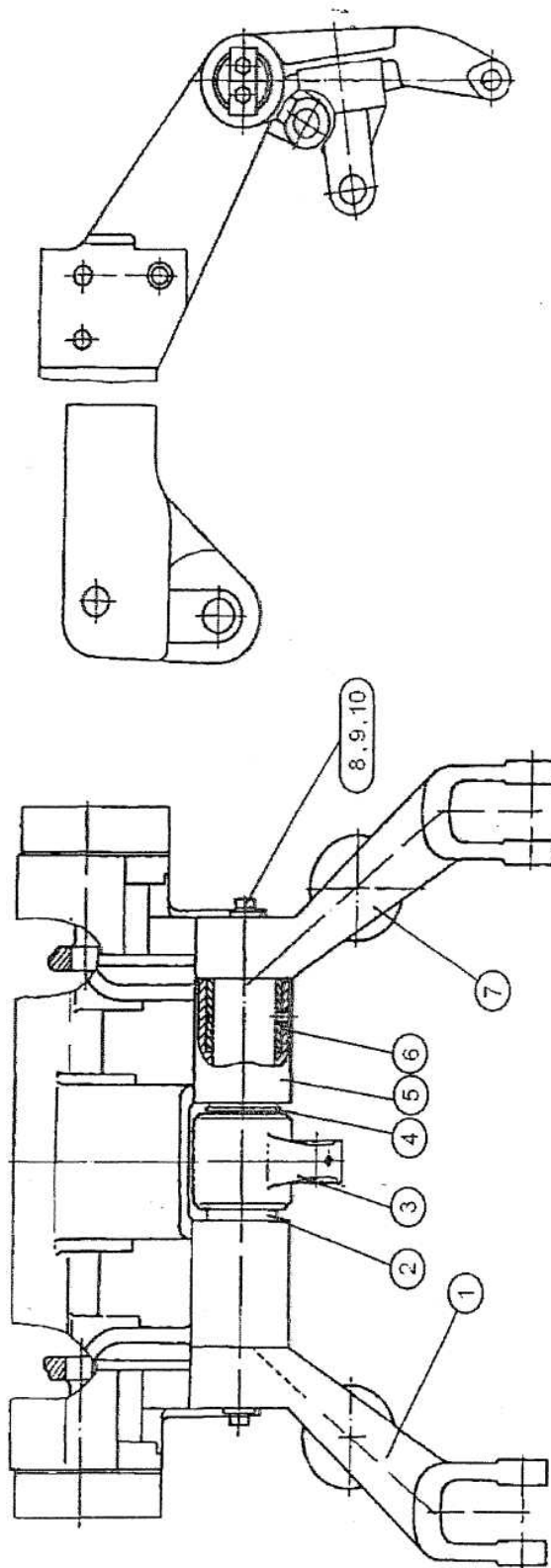


Fig. 112 Bracket

Group 46. Remote-cylinder hydraulic system

Subgroup 4606. Blocks and elements of front mounting unit

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
112		1220-4606110	1	Bracket (1-10)	
	1	1220-4606020	1	Lever	
	2	70-4605023	1	Shaft	
	3	1220-4606013	1	Lever	
	4		1	Ring 2C65 FOCT 13940-86	
	5	12204606011	1	Bracket	
	6	70-4605032	2	Bushing	
	7	1220-4606020-01	1	Lever	
	8		4	Washer 12 OT OCT 37.001.115-75	
	9		4	Bolt M12-6gx25.88.35.019	
	10	40-4605023-A2	2	Washer	

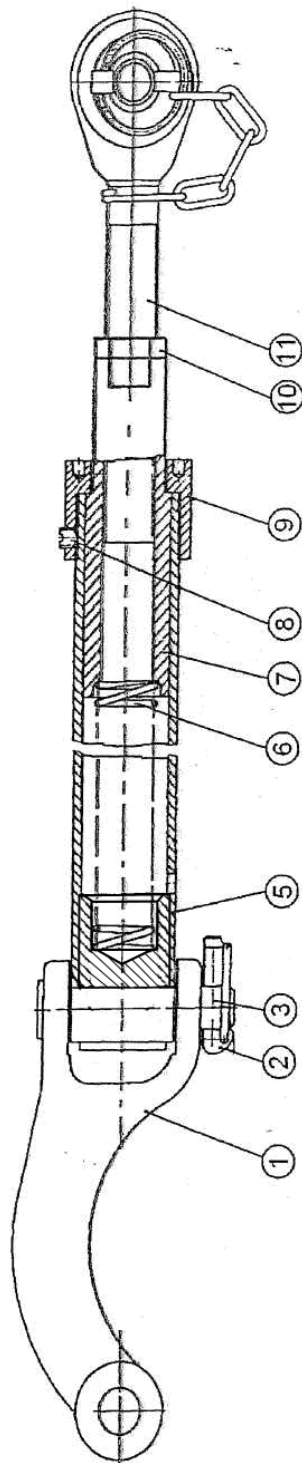


Fig. 113 Top link

Group 46. Remote-cylinder hydraulic system

Subgroup 4606. Blocks and elements of front mounting unit

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
113		1220-4606040-A	1	Rod (1-11)	
	1	1220-4606042	1	Clevis	
	2	A61.05.100-05	1	Cotter	
	3	A61.10.001-02	1	Pin	
	5	2822-4606050	1	Pipe	
	6	1220-4606043	1	Spring	
	7	1220-4606041	1	Slider	
	8	1220-4606046	1	Screw	
	9	1220-4606044	1	Nut	
	10	A61.02.003	1	Lock nut	
	11	A61.03.200-01	1	Screw	

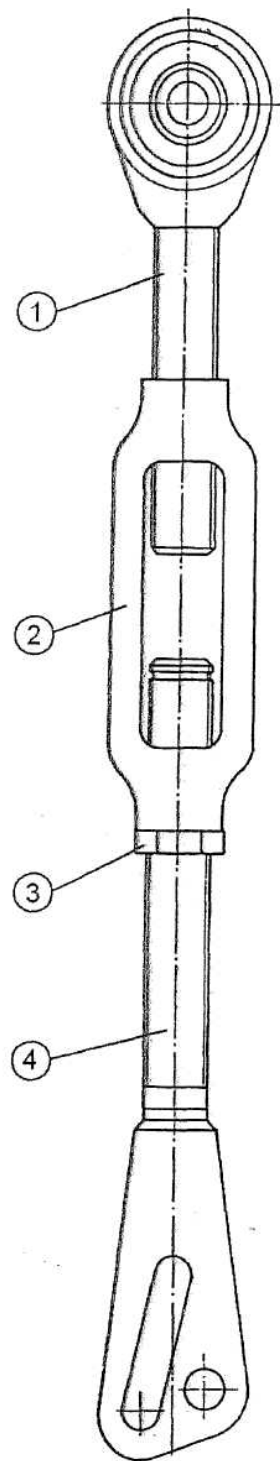


Fig. 114 Drop link

Group 46. Remote-cylinder hydraulic system

Subgroup 4606. Blocks and elements of front mounting unit

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
114		1220-4606150	2	Drop link (1-4)	
	1	1220-4606160	1	Screw	
	2	A61.02.001	1	Turnbuckle	
	3	A61.02.003	1	Lock nut	
	4	70-4605100	1	Fork	

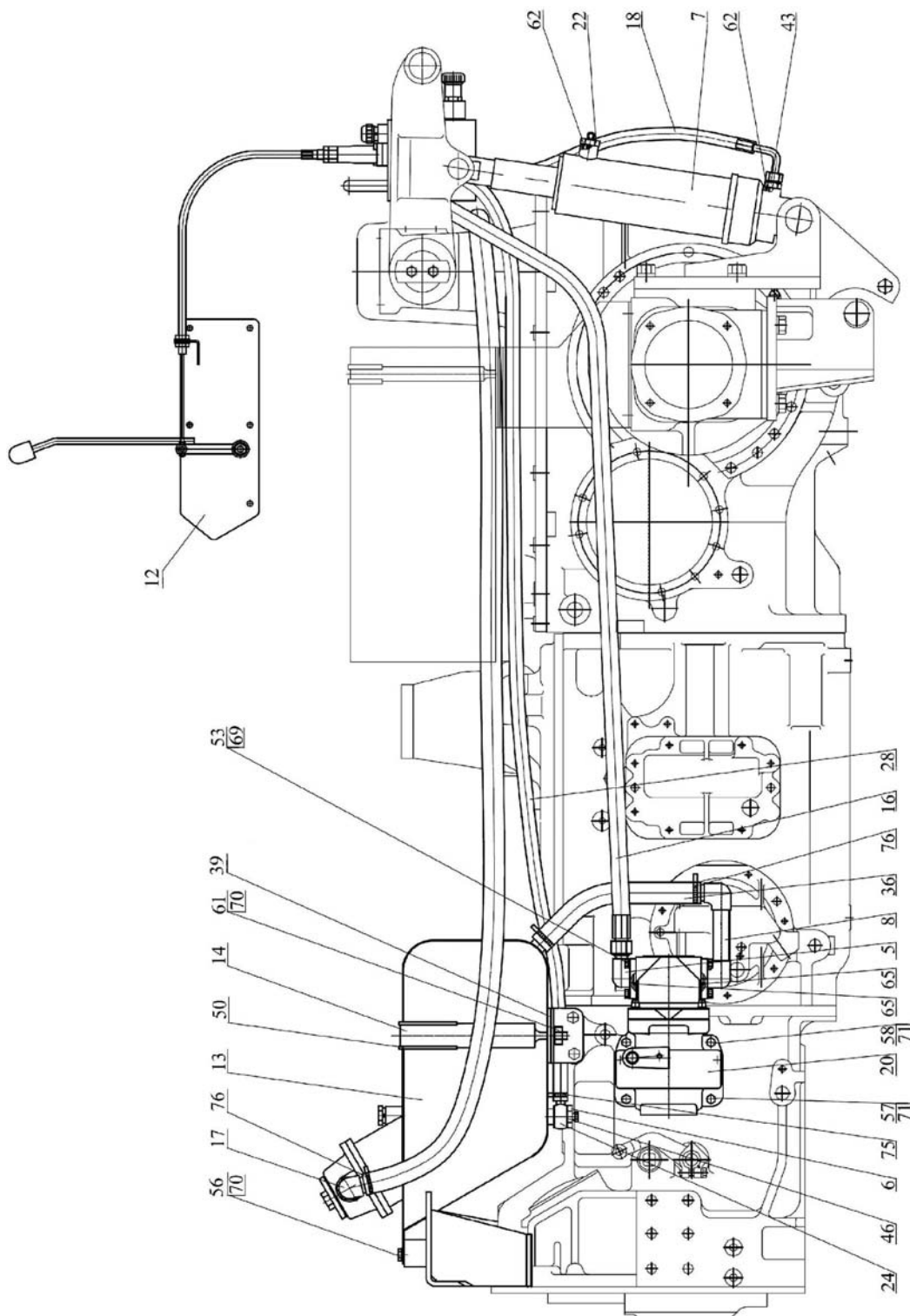


Fig. 115.1 Hydraulic units and fittings

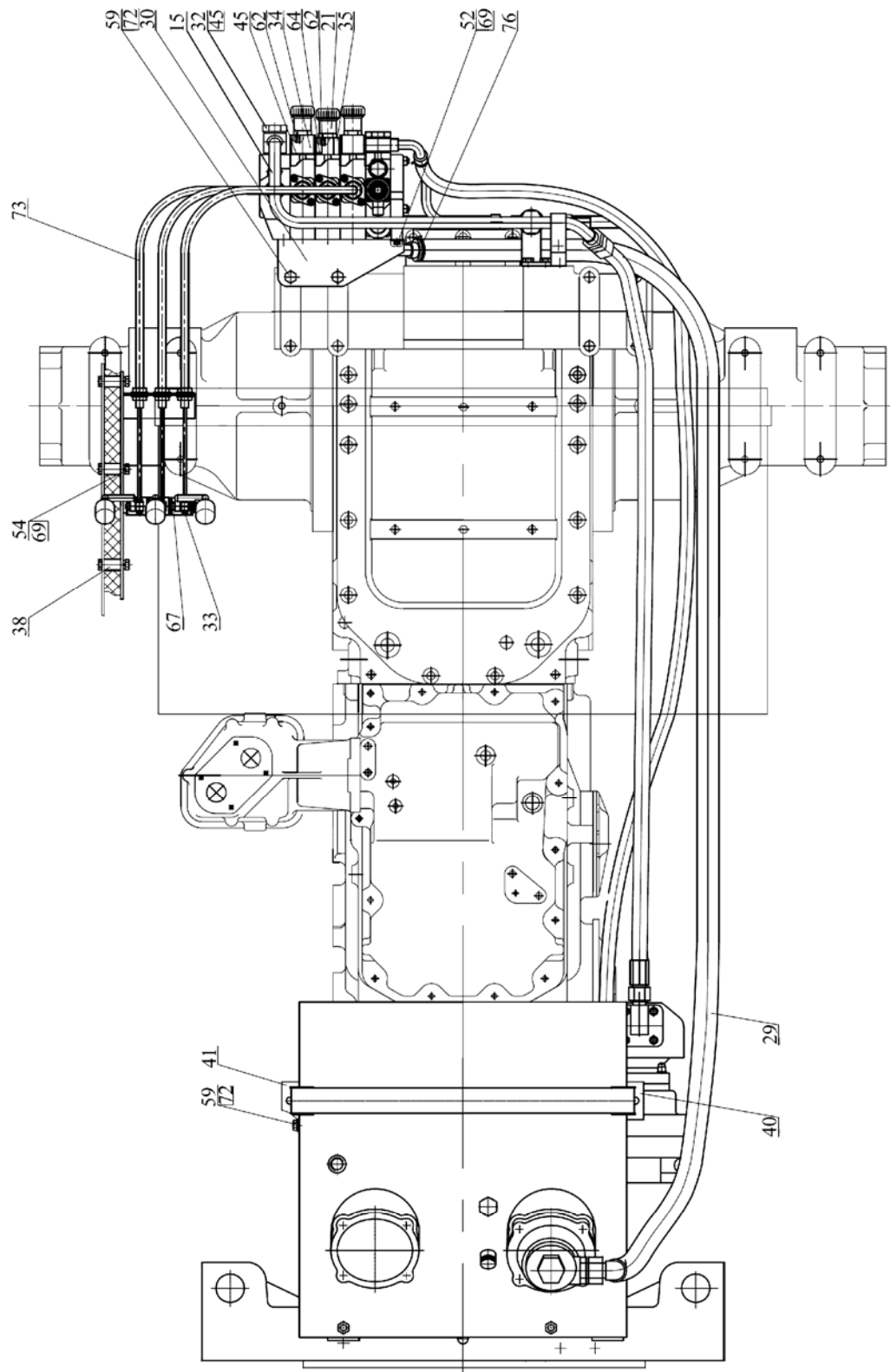


Fig. 115.2 Hydraulic units and fittings

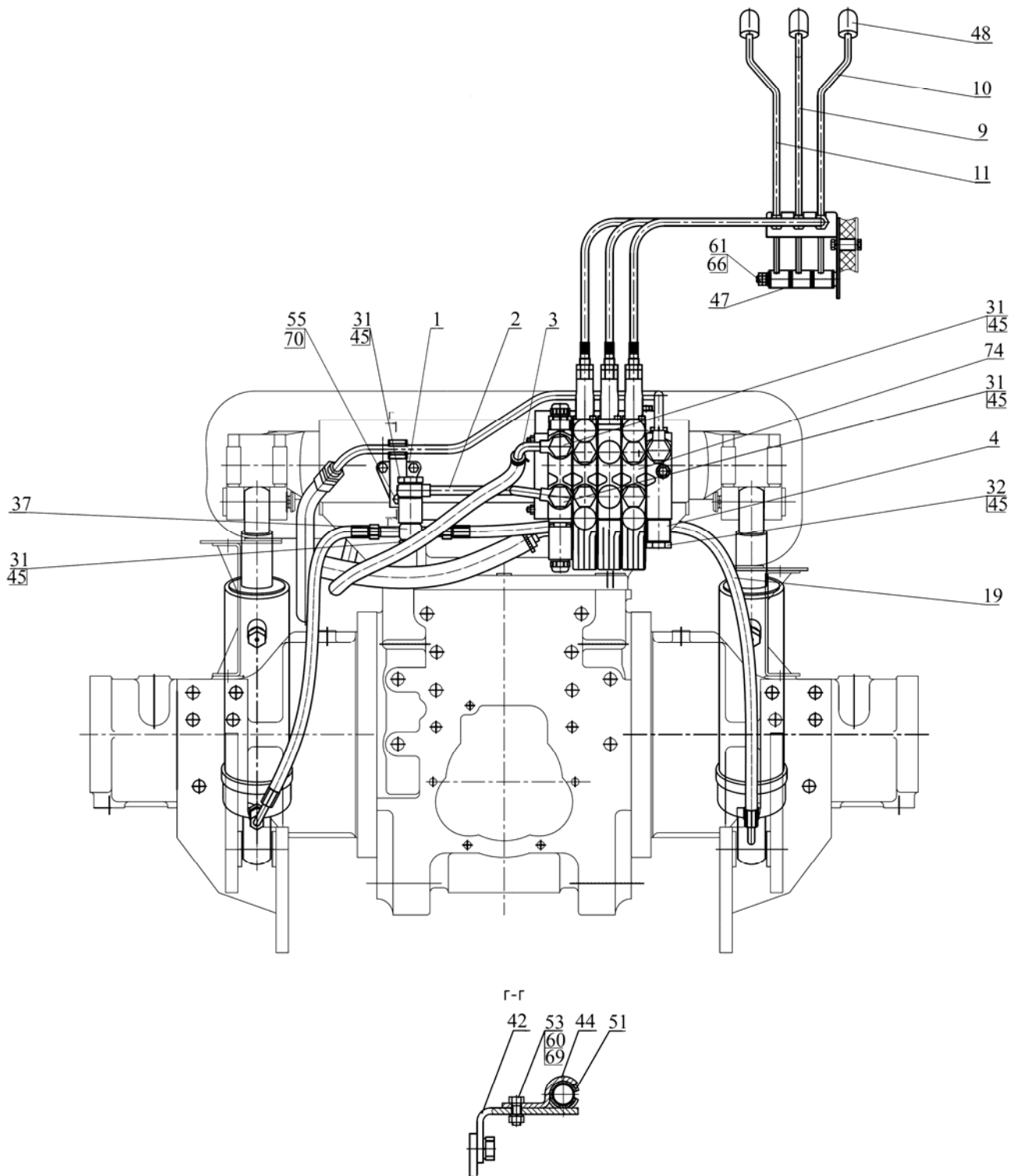


Fig. 115.3 Hydraulic units and fittings

Group 46. Remote-cylinder hydraulic system
Subgroup 4607. Hydraulic units and fittings

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
115.1		1523-4600010	1	Hydraulic system	
115.2	1	1523-4607040	1	Bracket	
115.3	2	1523-4607075	1	Pipe	
	3	1523-4607150	1	Pipe	
	4	1523-4607160	1	Pipe	
	5	1522-4607020	1	Connection	
	6	1522-4607070	1	Bolt	
	7	Ц90x250.010	2	Hydraulic cylinder	
	8	1522-4607090	1	Pipe	
	9	1522-4607230	1	Lever	
	10	1522-4607230-01	1	Lever	
	11	1522-4607230-02	1	Lever	
	12	1522-4607250	1	Bracket	
	13	1522-4608210	1	Tank	
	14	1522-4608230	1	Turnbuckle	
	15	1523-4607085	1	Pipe	
	16	П80-4607120-01	1	Hose	
	17	680-4607510	1	Connection	
	18	680-4607140-13	1	High-pressure hose	Ø10x1 armoured
	19	680-4607140-06	1	High-pressure hose	Ø10x1 armoured
	20	100-4617110-01	1	Pump drive	
	21	M036.50Б.10 or	6	Left housing	
		PPV3.1320.712 or	6	Coupling	
		HP10-MX0041AO	6	Coupling	
	22	H036.77.000	2	Breather	
	24	C80-4607380	1	Pipe	
	28	1523-4607061	1	Hose	Hose 14x23-1,6 ГОСТ 10362-76 L=(2090±5) mm
	29	1523-4607062	1	Hose	Hose 25x35-1,6 ГОСТ 10362-76 L=(2180±5) mm
	30	1523-4607121	1	Bracket	
	31	1522-4607011-A	4	Bolt	
	32	1522-4607012-A	6	Bolt	
	33	1522-4607017	3	Pin	
	34	2522-4607018	4	Plate	
	35	2522-4607019	2	Union	

Group 46. Remote-cylinder hydraulic system
Subgroup 4607. Hydraulic units and fittings

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
115.1	36	1522-4607062	1	Hose	Hose 25x35-1,6 ГОСТ 10362-76 L=(340±3) mm
115.2	37	1522-4607078	1	Elbow	
115.3	38	1522-4607252	5	Bushing	
	39	1522-4608234	2	Gasket	
	40	1522-4608237	1	Bracket	
	41	1522-4608238	1	Bracket	
	42	1523-4607013	1	Bracket	
	43	70-1405089	2	Union	
	44	50-4607041	1	Strip	
	45	B50-3522023	20	Gasket	
	46	40-4607038-A-01	2	Washer	
	47	A61.01.017	6	Bushing	
	48	A13.11.000	3	Handle	
	50	Пр-43-02	2	Seal	
	51	70-3506027	1	Bushing	
	52		4	Bolt M8-6gx20.88.35.019 ГОСТ 7796-70	
	53		9	Bolt M8-6gx25.88.35.019 ГОСТ 7796-70	
	54		5	Bolt M8-6gx40.88.35.019 ГОСТ 7796-70	
	55		3	Bolt M10-6gx16.88.35.019 ГОСТ 7796-70	
	56		2	Bolt M10-6gx20.88.35.019 ГОСТ 7796-70	
	57		2	Bolt M12-6gx30.88.35.019 ГОСТ 7796-70	
	58		2	Bolt M12-6gx150.88.35.019 ГОСТ 7796-70	
	59		4	Bolt M16-6gx32.88.35.019 ГОСТ 7796-70	
	60		1	Nut M8-6H.6.019 ГОСТ 5915-70	
	61		4	Nut M10-6H.6.019 ГОСТ 5915-70	
	62		10	Ring 017-022-30-2-2 ГОСТ 18829-73/9833-73	
	64		2	Ring 024-028-25-2-2 ГОСТ 18829-73/9833-73	

Group 46. Remote-cylinder hydraulic system

Subgroup 4607. Hydraulic units and fittings

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
115.1	65		2	Ring 035-040-30-2-2 ГОСТ 18829-73/9833-73	
115.2	66		1	Washer C 10.01.08кп.019 ГОСТ 11371-78	
115.3	67		3	Cotter pin 3,2x18.019 ГОСТ 397-79	
	69	8 T	18	Washer OCT 37.001.115-75	
	70	10 OT	7	Washer OCT 37.001.115-75	
	71	12 OT	4	Washer OCT 37.001.115-75	
	72	16 OT	4	Washer OCT 37.001.115-75	
	73	EAAB.303635.001 or 100.M4(40)22.01500 or 772-L-TS-40-1500	3 3 3	Cable wire	
	74	ZMS-23LS R917 001 488	1	Integrated block	
	75	TORRO16...25/9-C6W	2	Clamp "Norma"	
	76	TORRO25...40/9-C6W	4	Clamp "Norma"	

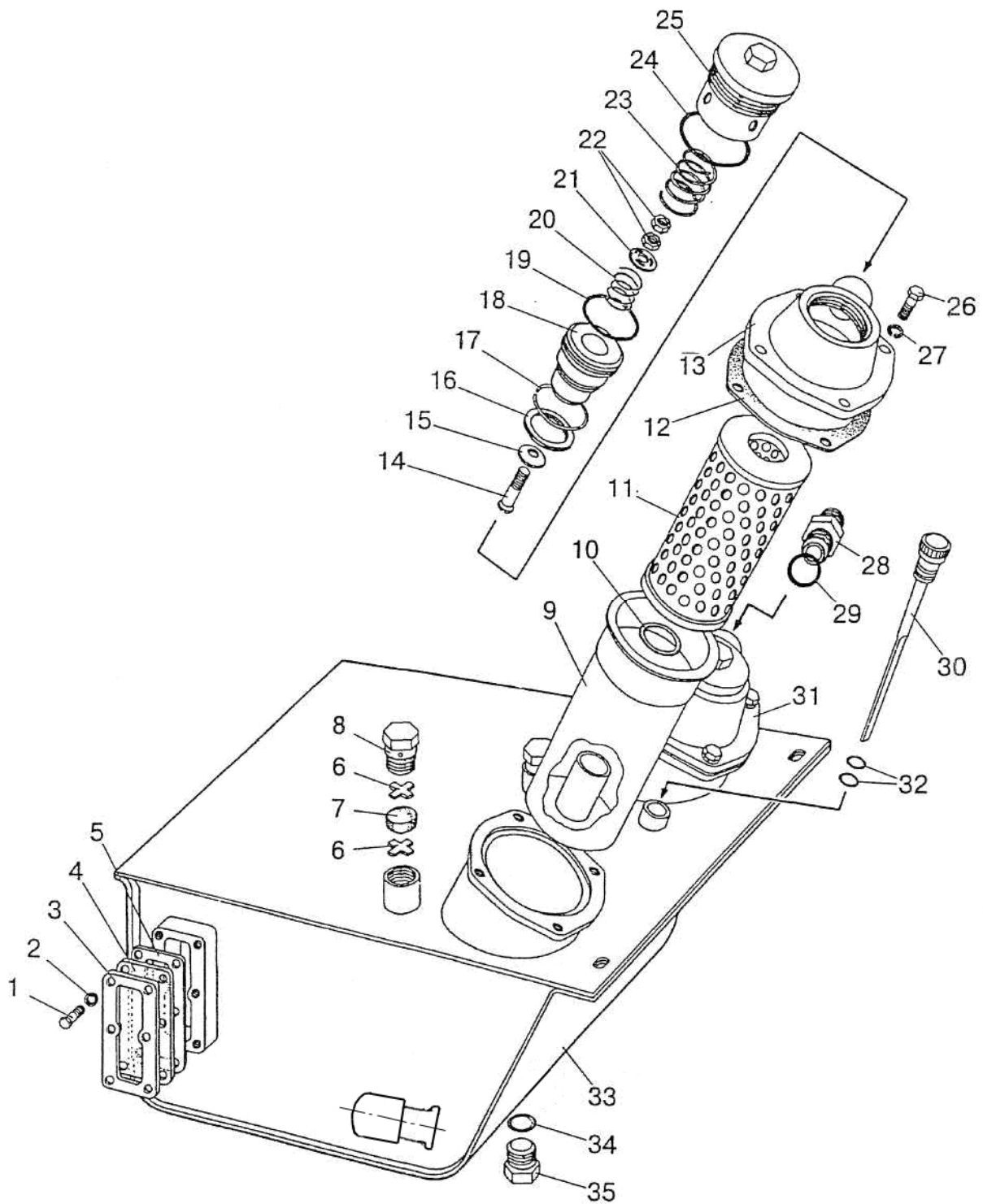


Fig. 116 Tank

Group 46
Subgroup 4608 Tank

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
128	1	M6x16	6	Bolt	
	2	ШП 6	6	Washer	
	3	85-4608088	1	Strip	
	4	85-4608087	1	Indicator	
	5	854S08086-A	1	Gasket	
	6	50-4608062	4	Washer of breather	
	7	50-4608063	2	Filter	
	8	50-4608059	2	Plug of breather	
	9	822-4608020 -A	2	Housing	
	10	042-050-46-2-2	2	Ring	
	11	ЭФОР 631-1 or ФЭГ 3-25*	2 2	Filtering element	
	12	822-4608112	2	Gasket	
	13	1522-4608211-01	1	Cover	
	14	M6x40	2	Screw	
	15	8.20.004	2	Valve	
	16	822-4608042	2	Ring	
	17	822-4608032	2	Ring	
	18	822-4608041	2	Valve	
	19	055-060-2-2	2	Ring	
	20	8.20.002	2	Spring	
	21	8.20.005	2	Support washer	
	22	M6	4	Nut	
	23	80-4608057	2	Spring	
	24	066-071-30-2-2	2	Ring	
	25	822-4608031	2	Housing	
	26	M8x25	8	Bolt	
	27	ШП 8	8	Washer	
	28	C80-4607034	1	Union	
	29	027-032-30-2-2	1	Ring	
	30	70-4608065A	1	Oil gauge	
	31	1522-4608211	1	Cover	
	32	011-015-25-2-2	2	Ring	
	33	1522-4608220	1	Housing	
	34	017-022-30-2-2	2	Ring	
	35	50-4608027-B	2	Plug	

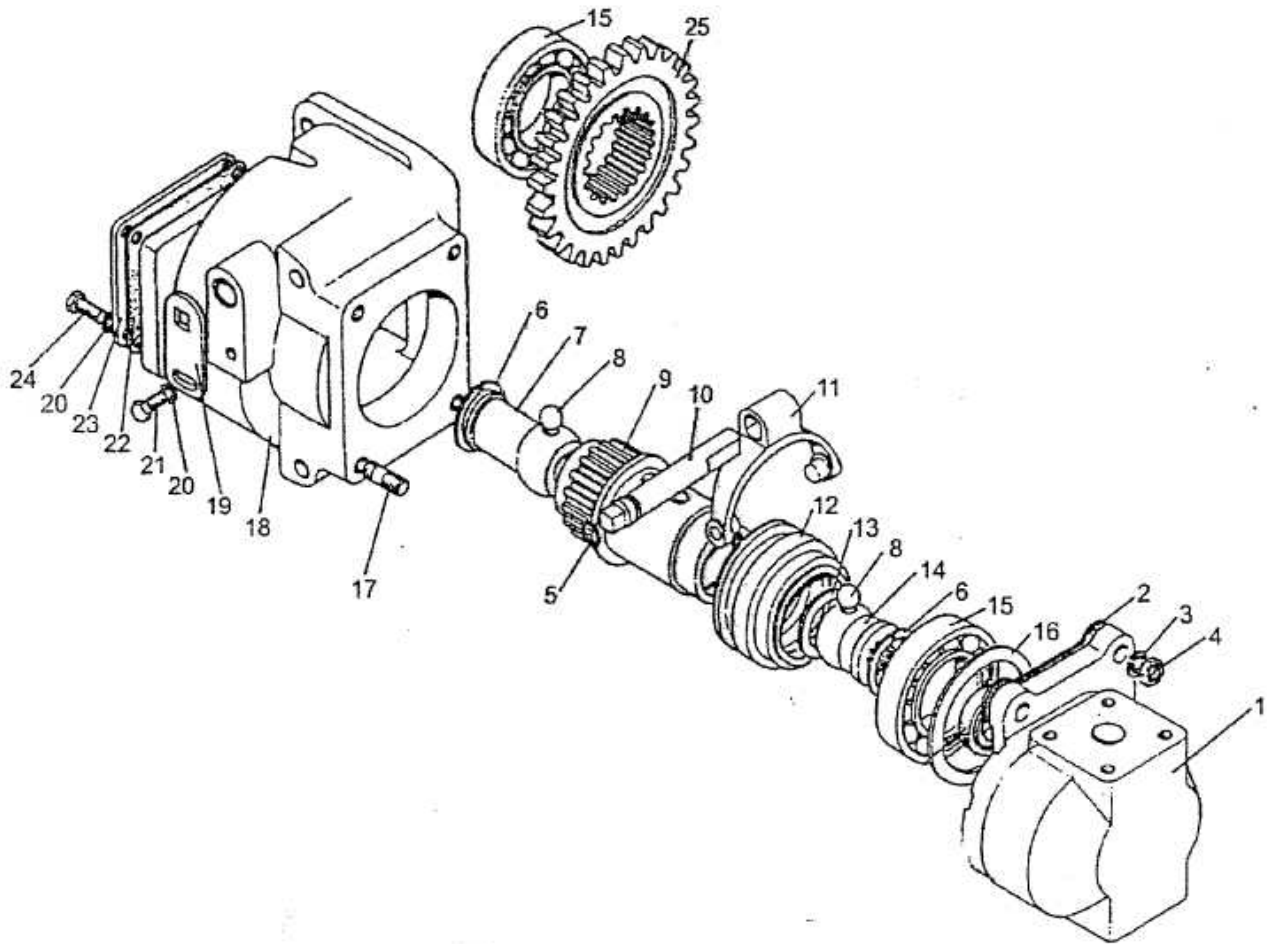


Fig. 117 Pump drive of hydraulic system

Group 46

Subgroup 4617. Pump drive of hydraulic system

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
129	1	GP32N-4 or HIII32YKΦ-3 or HIII32Д-3	1 1 1	Pump	
	2	36-1022054-A	1	Gasket	
	3	IIIП 10	4	Washer	
	4	M10	4	Nut	
	5	013-017-25-1-4	1	Ring	
	6	B 40	2	Ring	
	7	100-4617116	1	Bushing	
	8	11.113	6	Ball	
	9	100-4617112	1	Shaft	
	10	100-4617118	1	Axle	
	11	85-4604030	1	Fork	
	12	100-4617113	1	Coupling	
	13	100-4617123	1	Ring	
	14	100-4617114	1	Bushing	
	15	210 K5	2	Bearing	
	16	100-4617121	1	Ring	
	17	10x25	4	Stud	
	18	100-4617111	1	Body of the drive	
	19	100-4617119	1	Plate	
	20	IIIП 8	5	Washer	
	21	M8x16	1	Bolt	
	22	50-1022062-Б1	1	Gasket	
	23	100-4617122	1	Cover	
	24	M8x20	4	Bolt	
	25	100-4617117	1	Gear wheel	

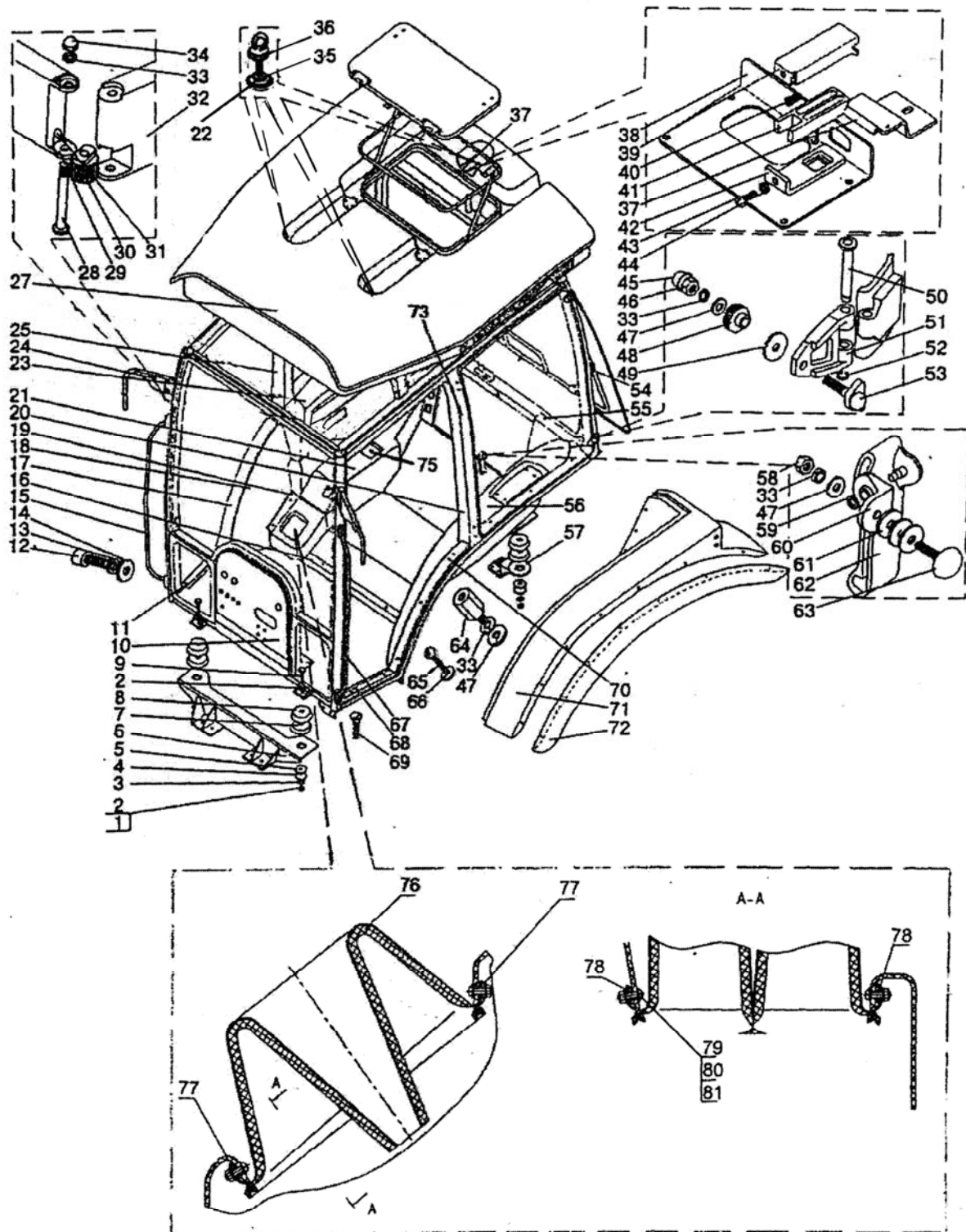


Fig. 118 Cab

Group 67. Tractor cab

Subgroup 6700. Cab

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
118		2522-6700010	1	Cab assembled	
	1	4x36	4	Cotter pin	
	2	M16x1,5	4	Nut	
	3	III 16	4	Washer	
	4	IIIЧ 16	8	Washer	
	5	130-5001364-B	4	Cushion	
	6	1522-6700030	1	Bracket	
	7	80-6700160	4	Vibration isolator	
	8	80-6700163	4	Cartridge	
	9	80-6700029	4	Bolt	
	10	2522-6703031	1	Gasket	
		2522-6703032	1	Gasket	
		2522-6703033	1	Gasket	
	11	2522-6702001-01	1	Clamp	
	12	BM10x35	4	Screw	
	13	IIIЧ 10	4	Washer	
	14	III 10	4	Washer	
	15	2522-6703115-01	1	Handrail	
	16	2522-6702466	1	Clamp	
	17	TA 2522-6702330-01	1	Cover plate	
	18	2522-6702180	1	Panel	
	19	TA 1222-6702341	1	Desk	
	20	TA 2522-6701070	1	Cover plate	
	21	TA 1222-6702350	1	Desk	
	22	923-6707088	3	Gasket	
	23	2522-6702325	1	Panel	
	24	2522-8201200	2	Bracket	
	25	TA 2522-6701075	1	Cover plate	
	27	923-6707035	1	Cover	
	28	2522-8201219	2	Screw	
	29	2522-8201205	2	Bracket	
	30	2522-8201204	2	Shaft	
	31	2522-8201211	2	Lock	
	32	2522-8201210	2	Bracket	
	33	III 8	1	Washer	
	34	2522-6708029	2	Nut	
	35	2522-6707034	3	Gasket	

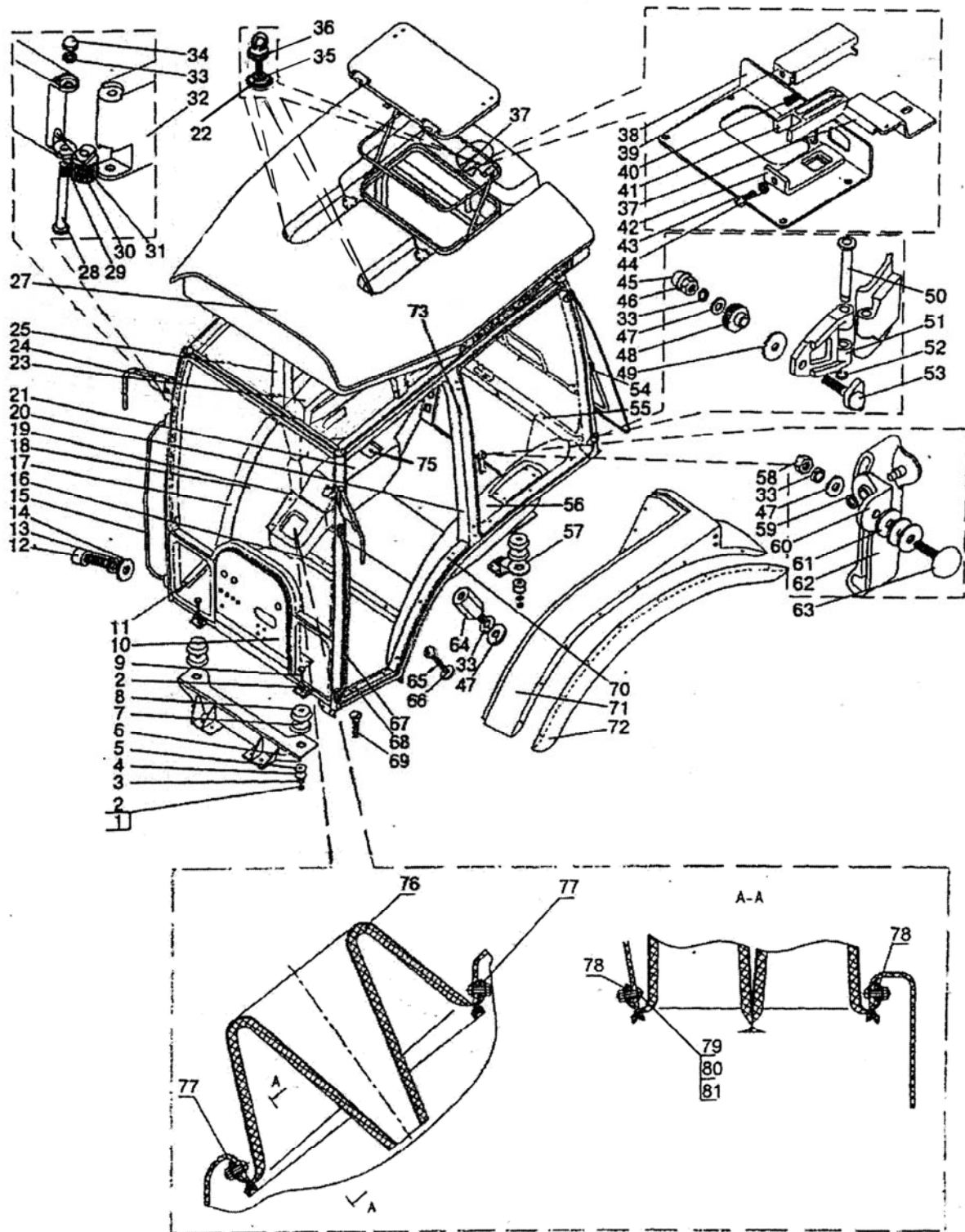


Fig. 118 Cab

Group 67. Tractor cab

Subgroup 6700. Cab

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
118	36	2522-6707033	3	Eye bolt	
	37	822-6707051-B	1	Bracket	
	38	822-6707064	1	Panel	
	39	822-6707066	1	Cover	
	40	55-17-27	1	Spring	
	41	822-6707061	1	Catch	
	42	822-6707067	1	Bracket	
	43	M6	1	Screw	
	44	IIIЧ8	1	Washer	
	45	A 30.04.017	4	Cap	
	46	M8	4	Nut	
	47	IIIЧ8	8	Washer	
	48	80-6708903	4	Bushing	
	49	80-6708904	4	Gasket	
	50	822-8700011	4	Pin	
	51	2522-6708902	4	Hinge	
	52	IIII5	4	Washer	
	53	2522-6708905	4	Screw	
	54	21054	2	Gas strut	
	55	TA 2522-6702320	1	Cover plate	
	56	2522-6702335	1	Plate	
	57	1522-6700037	1	Bracket (left)	
		1522-6700037-01	1	Bracket (right)	
	58	M8	2	Nut	
	59	IIII5	2	Washer	
	60	822-6708152	2	Bracket	
	61	80-6708904	6	Gasket	
	62	2522-6708160	1	Handle (left)	
		2522-6708160-01	1	Handle (right)	
	63	2522-6708165	2	Screw	
	64	2522-6708032	2	Bushing	
	65	M6x20	4	Screw	
	66	2522-6700018	4	Washer	
	67	2522-6703115	1	Hand-rail (left)	
	68	2522-6702001	1	Clamp (left)	
	69	M6x16	4	Screw	
	70	TA 2522-6702330	1	Cover plate	
	71	923-8404010-02	1	Fender (left)	
		923-8404010-03	1	Fender (right)	

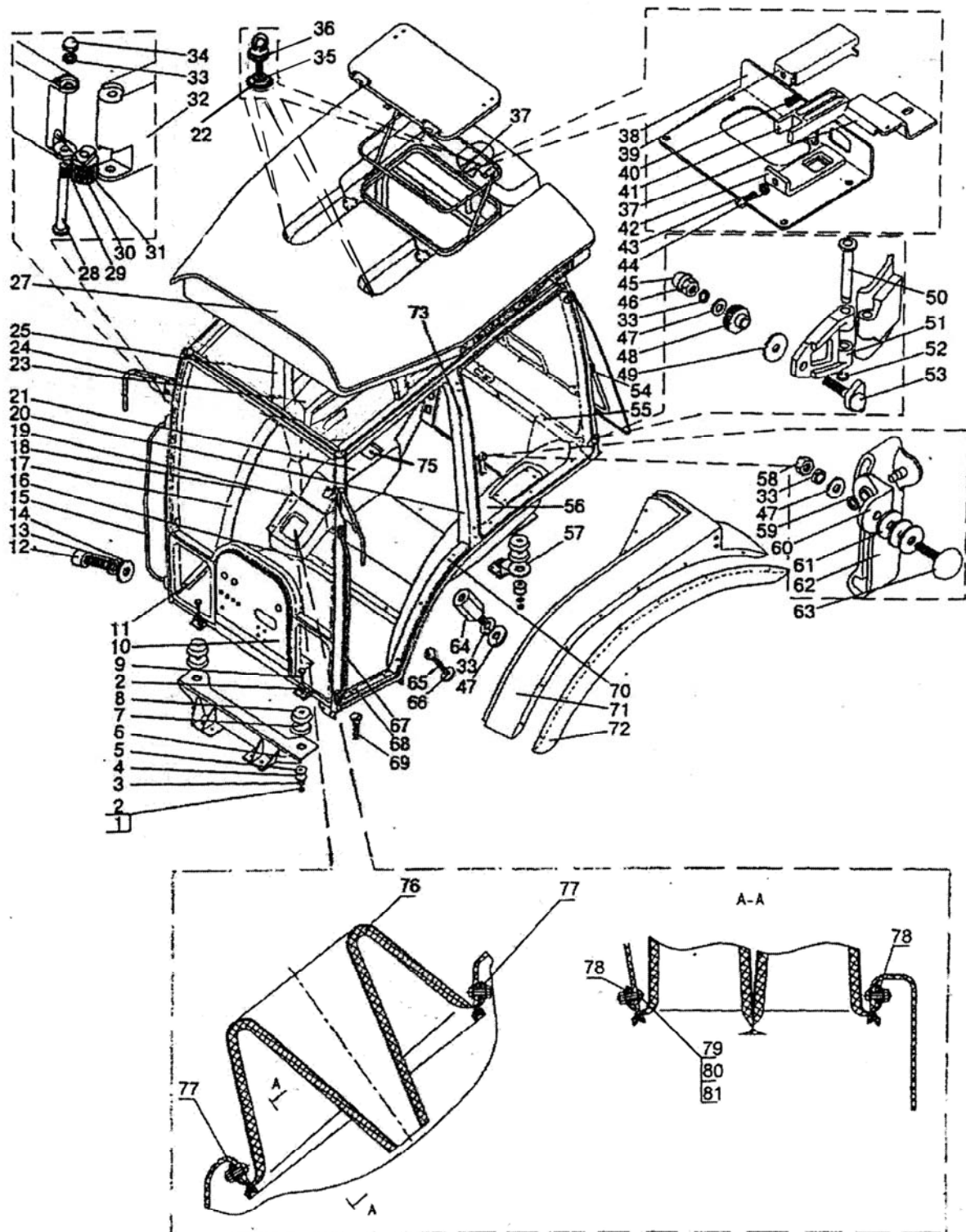


Fig. 118 Cab

Group 67. Tractor cab
Subgroup 6700. Cab

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
118	72	923-8404030	1	Extension (left)	
		923-8404030-01	1	Extension (right)	
	73	2522-6700015-01	1	Housing	
	75	1222-6702274	1	Cover	
	76	2522-6702270	1	Hood	
	77	923-6702336	2	Strip	
	78	923-6702336-01	2	Strip	
	79	B.M4x12	8	Screw	
	80	M 4	8	Nut	
	81	C 4	16	Washer	

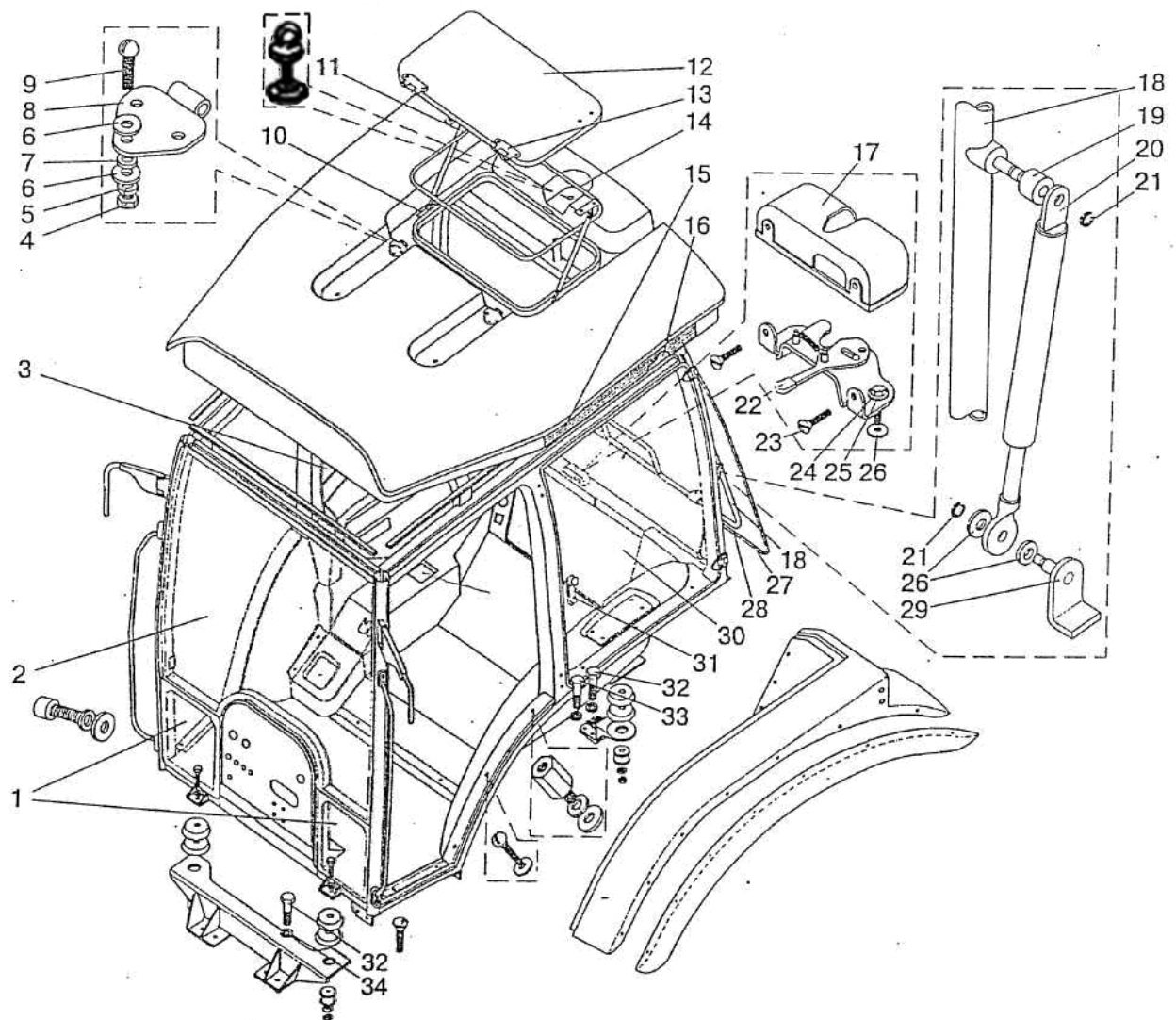


Fig. 119 Cab

Group 67 Cab
Subgroup 6700. Tractor cab

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
119	1	2522-6703012	1	Glass (left)	
		2522-6703012-01	1	Glass (right)	
	2	2522-6703011	1	Glass	
	3	2522-6708111	1	Glass (left)	
		2522-6708111-01	1	Glass (right)	
	4	M6	10	Nut	
	5	ШП6	10	Washer	
	6	ШЧ6	20	Washer	
	7	549-1305044	6	Gasket	
	8	822-6707082	2	Hinge	
	9	M6	10	Screw	
	10	822-6707075	4	Bracket	
	11	586116	2	Gas strut 21532	
	12	822-6707040	1	Hatchway	
	13	822-6707081	2	Hinge	
	14	B - 716	1	Profile	
	15	1522-8104060	2	Grid	
	16	80-8104060	2	Filter	
	17	822-6708279	1	Cover	
	18	2522-6708215	1	Arch	
	19	A 3701041	2	Bushing	
	20	21054	2	Gas strut	
	21	ШП5	4	Washer	
	22	822-6708270	1	Lock	
	23	BM4 x10	2	Screw	
	24	M8x30	2	Bolt	
	25	ШП 8	2	Washer	
	26	ШЧ8	6	Washer	
	27	2522-6708211	1	Glass	
	28	B - 716 - 02	1	Profile	
	29	822-6708225	2	Bracket	
	30	2522-6708952 or	1	Glass (778x325 mm)	
		2522-6708952-Б	1	Glass (633x325 mm)	
	31	2522-6708150	1	Lock on the left	
		2522-6708150-01	1	Lock on the right	
	32	M16x50	8	Bolt	
	33	M16x40	8	Bolt	
	34	ШП16	16	Washer	

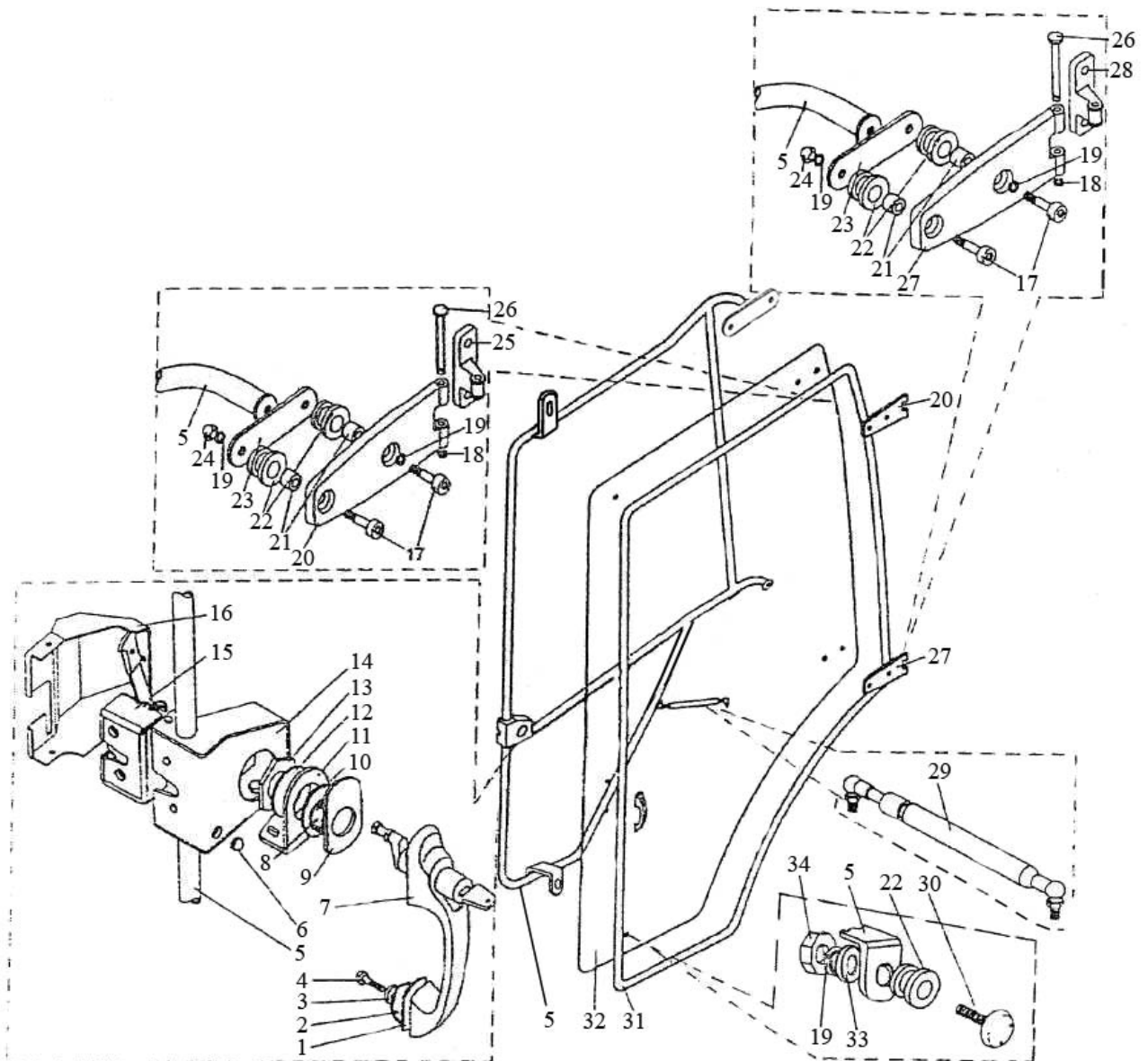


Fig. 120 Cab door

Subgroup 6708. Cab door

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
120	1	2522-6105018	2	Gasket	
	2	2522-6105019	2	Gasket	
	3	2522-6105021	2	Washer	
	4	M6x20	2	Screw	
	5	2522-6708020-A	1	Left-hand frame	
		2522-6708020-A-01	1	Right-hand frame	
	6	70-8401072	2	Bumper	
	7	2522-6105300	1	Handle (left)	
		2522-6105330	1	Handle (right)	
	8	2522-6105022	2	Bushing	
	9	2522-6105013	2	Gasket	
	10	2522-6105014	2	Gasket	
	11	2522-6105023	1	Right bracket	
		2522-6105023-01	1	Left bracket	
	12	2522-6105016	2	Washer	
	13	2522-6105017	2	Nut	
	14	2522-6708023	1	Left bracket	
		2522-6708023-01	1	Right bracket	
	15	80-6105050	1	(Left) lock	
		80-6105050-01	1	(Right) lock	
	16	2522-6708812	1	Cover	
		2522-6708812-01	1	Cover	
	17	M8	8	Screw	
	18	IIII5	4	Washer	
	19	IIII8	10	Washer	
	20	2522-6708056	1	Upper left-hand bail	
		2522-6708056-01	1	Upper right hand bail	
	21	2522-6708017	8	Bushing	
	22	2522-6708016	12	Bushing	
	23	2522-6708011	4	Strip	
	24	2522-6708029	4	Nut	
	25	2522-6705051	1	Upper left-hand bail	
		2522-6705051-01	1	Upper right-hand bail	
	26	622-6700011	4	Pin	
	27	2522-6708061	1	Lower left-hand bail	
		2522-6708061-01	1	Lower right-hand bail	
	28	2522-6703066	1	Lower left-hand bail	
		2522-6708066-01	1	Lower right-hand bail	

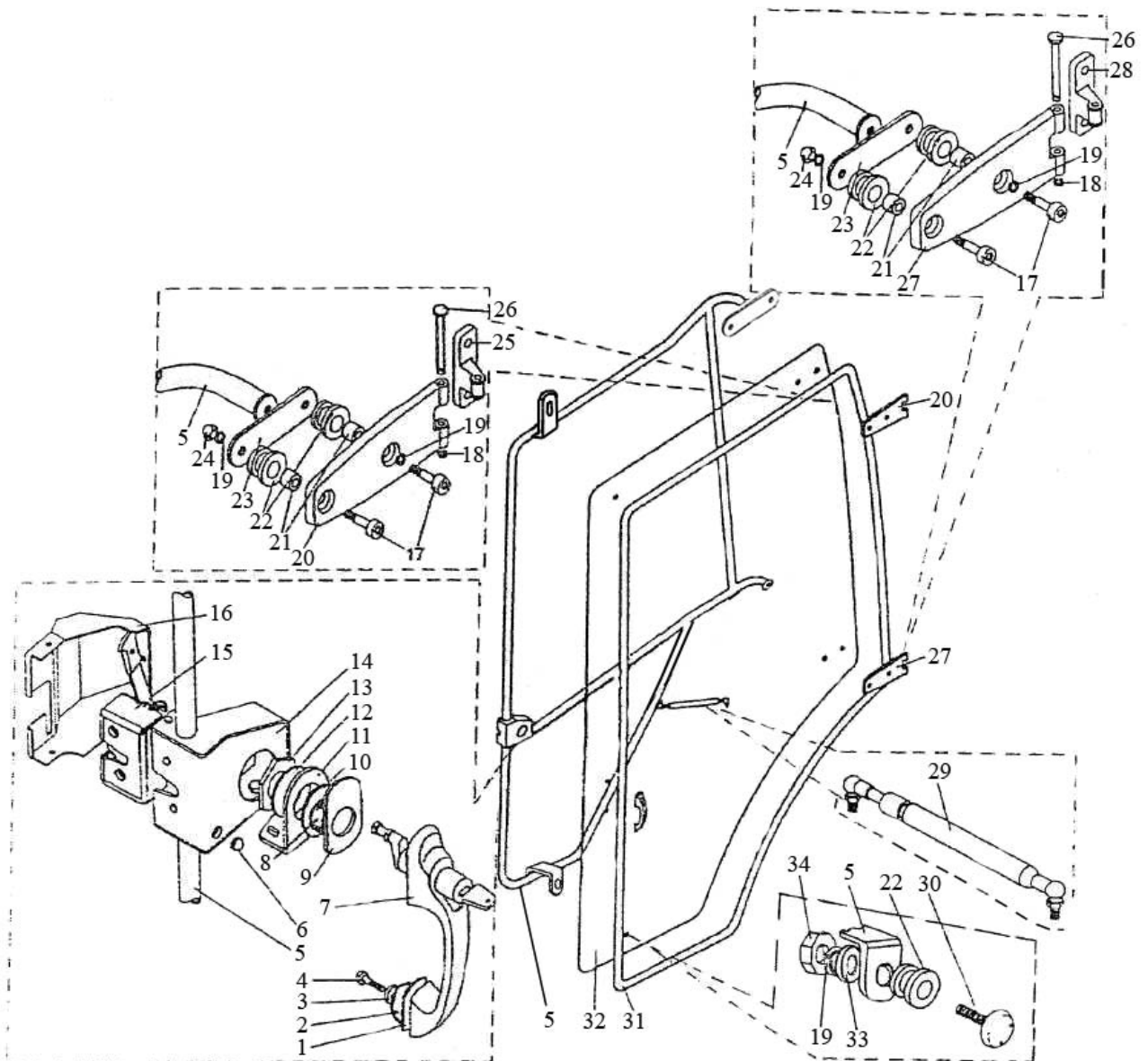


Fig. 120 Cab door

Subgroup 6708. Cab door

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
120	29	6288VJ	2	Gas strut ($L_{free}= 355$; Travel= 150 mm; $F=150$ N)	
	30	2522-6708975	4	Screw	
	31	B-716-01 or B-202	2	Profile	
			2	Profile (double-tube)	
	32	2522-6708013	1	(Left) glass	
		2522-6708013-01	1	(Right) glass	
	33	ШЧ8	2	Washer	
	34	M8	2	Nut	

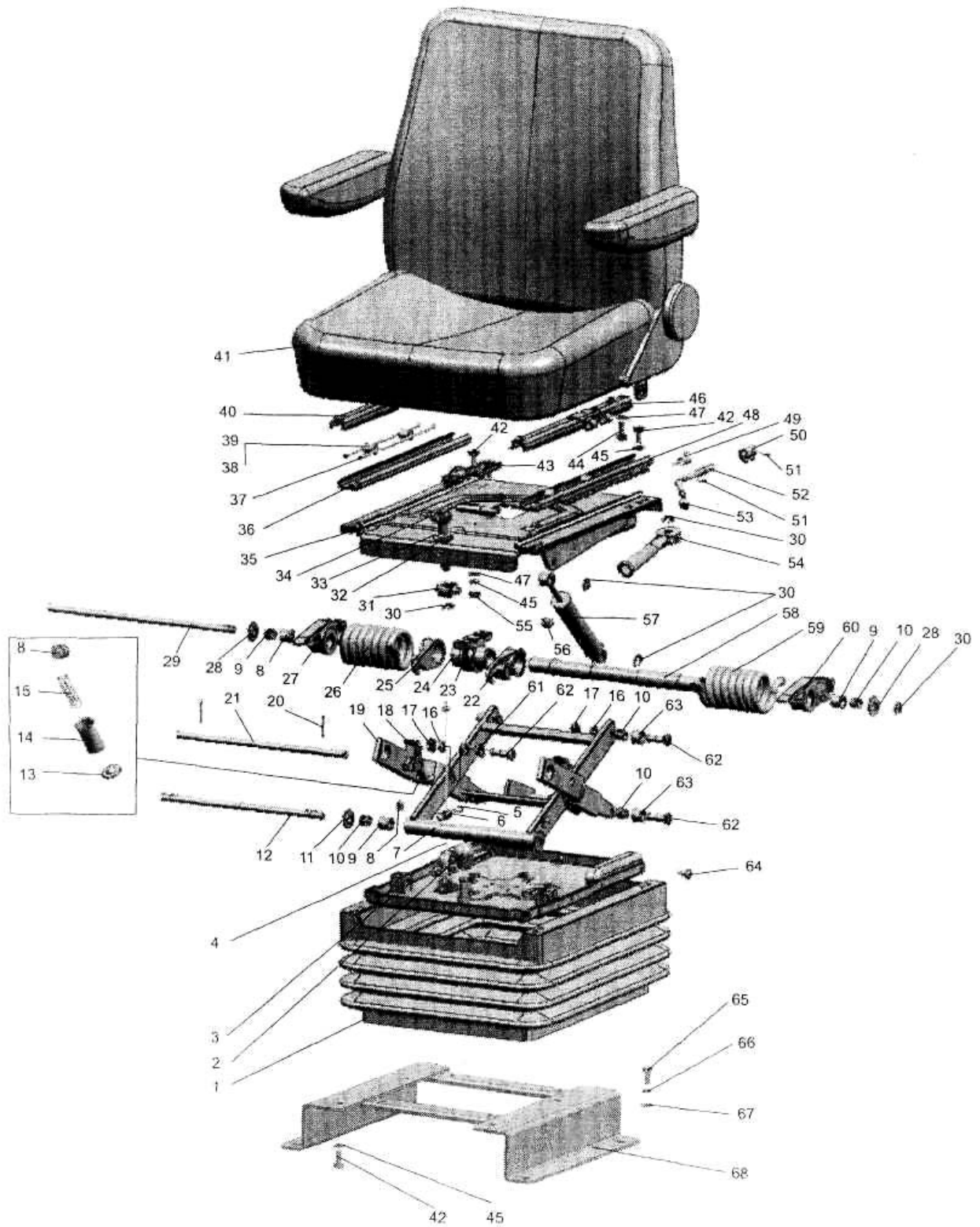


Fig. 121 Operator's seat

Group 68. Driver seat
Subgroup 6800. Operator's seat

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
121		80-6800010	1	Seat (1-64)	
		80-6800010-01	1	Seat (1-64)	
	1	80B-6800108	1	Hood	
	2	A61.01.014	1	Handle	
	3	80B-6801560	1	Base	
	4	80B-6801240	1	Cable wire	
	5	M5x16	2	Screw	
	6	70-4803023	1	Coupling	
	7	80B-6801590-B	1	Frame	
	8	80B-6801521	4	Stop	
	9	80B-6801512	4	Bushing	
	10	K12x16x13E	8	Bearing	
	11	80B-6801033-01	2	Washer	
	12	80B-6801508	1	Axle	
	13	80B-6801519	2	Base	
	14	80B-6801518	2	Bushing	
	15	80B-6801530-B	2	Spring	
	16	III110	6	Washer	
	17	M10	6	Nut	
	18	80B-6801581	2	Ratch	
	19	80B-6801570	1	Frame	
	20	4x22	2	Cotter pin	
	21	80B-6801012	1	Axle	
	22	80B-6801004-01	1	Hook	
	23	80B-6801001	1	Bracket	
	24	80B-6801003	1	Axle	
	25	80B-6801004	1	Hook	
	26	80B-6801002	1	Spring	
	27	80B-6801507	1	Segment	
	28	80B-6801033	2	Washer	
	29	80B-6801506	1	Axle	
	30	70-6801307	5	Washer	
	31	80B-6801023	1	Nut	
	32	80B-6801008	1	Washer	
	33	3,0-100	22	Ball	
	34	80B-6801152	1	Screw	

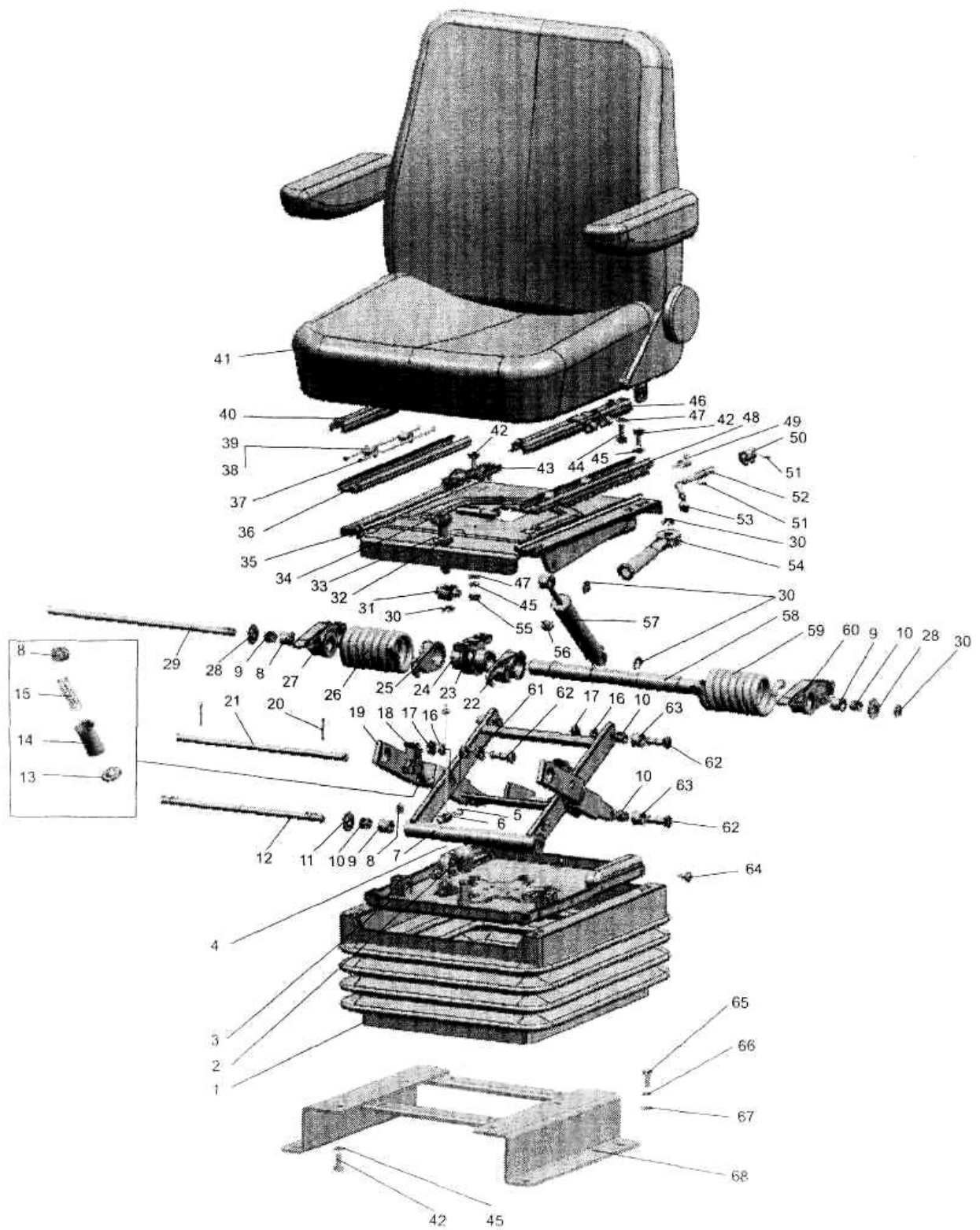


Fig. 121 Operator's seat

Group 68. Driver seat
Subgroup 6800. Operator's seat

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
121	35	80-6801550	1	Panel	
	36	80-6800104	1	Guide	
	37	70-6804394-B	4	Rod	
	38	70-6804391	4	Roller	
	39	010-015-30-2-3	4	Ring	
	40	80-6800110-01	1	Strip	
	41	CT-154T.6800010	1	Seat	
		CT-154TM.6800010	1	Seat	
	42	M8x20	11	Bolt	
	43	80B-6801031	1	Stiffener	
	44	M8x20	4	Screw	
	45	IIIП8	11	Washer	
	46	80-6800110	1	Strip	
	47	IIIЧ8	6	Washer	
	48	80-6800120	1	Guide	
	49	80-6800103	1	Spring	
	50	80-6800102	1	Lock	
	51	70-4202431-01	2	Pin	
	52	80-6800101	1	Handle	
	53	70-6801082	1	Handle	
	54	80B-6801150	1	Handle	
	55	M8	1	Nut	
	56	80-6801531	6	Bumper	
	57	80-6809100-11	1	Shock absorber	
	58	80B-6801505	1	Shaft	
	59	80B-6801002-01	1	Spring	
	60	80B-6801507-01	1	Segment	
	61	80B-6801526	4	Fork	
	62	80B-6801528	6	Axle	
	63	80B-6801032	4	Roller	
	64	80-6800006	20	Button	
	65	M10	4	Bolt	
	66	IIIП10	4	Washer	
	67	IIIЧ10	4	Washer	
	68	1522-6800010	1	Bracket	

* Optional

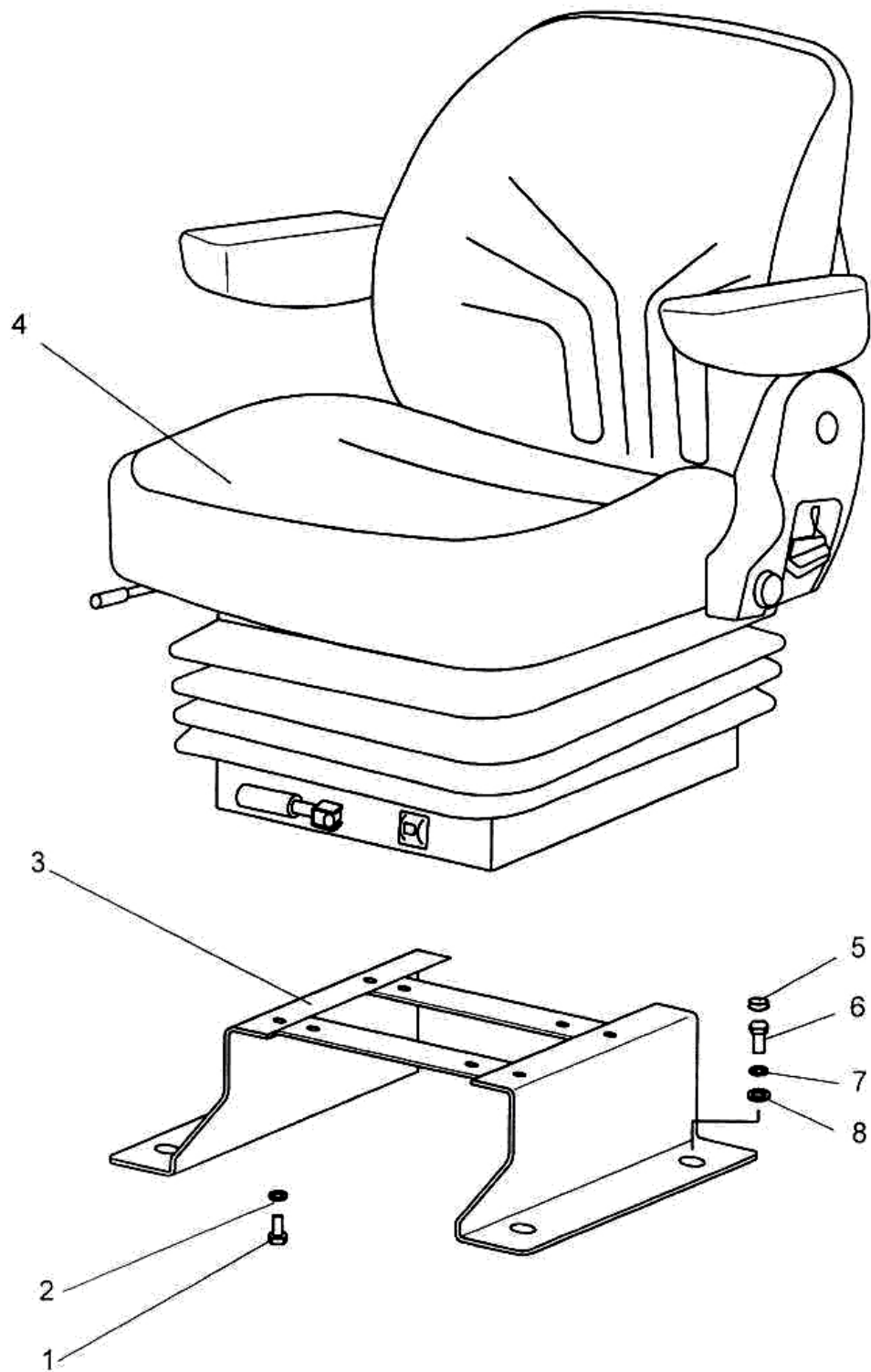


Fig. 122 Operator's seat

Group 68. Driver seat
Subgroup 6800. Operator's seat

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
122		Grammer MSG85/721	1	Seat	
	1	M8x20	4	Bolt	
	2	IIII8	4	Washer	
	3	2522-6800010-B	1	Bracket	
	4	Grammer MSG85/721	1	Seat	
	5	A30.04.017-03	4	Cap	
	6	M10x55	4	Bolt	
	7	IIII10	4	Washer	
	8	IIIЧ10	4	Washer	

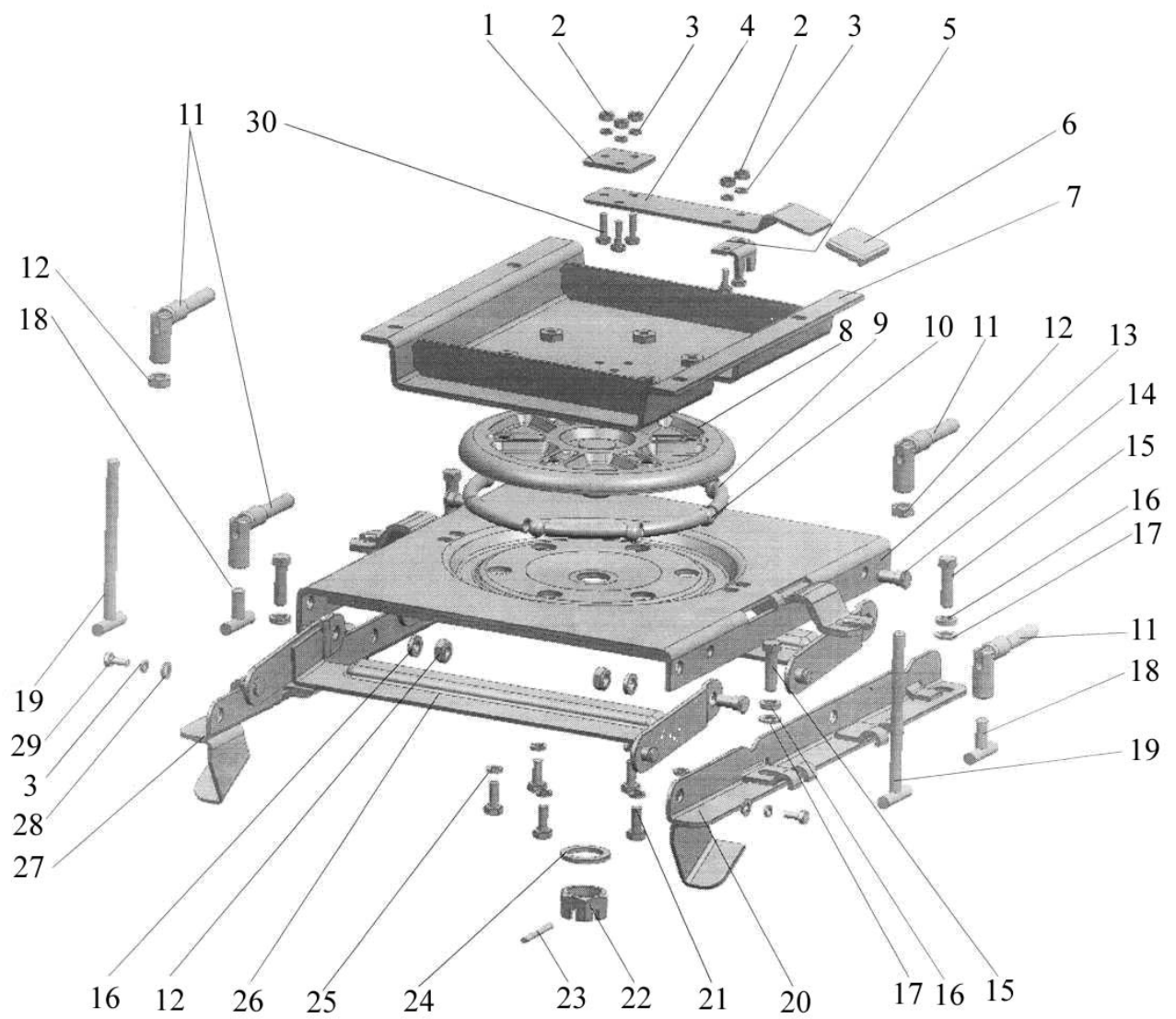


Fig. 123 Reverse mechanism

Group 68 Driver seat
Subgroup 6807. Reverse mechanism

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
123		2522-6807000-01	1	Reverse mechanism	
	1	80B- 6804014	1	Cover plate	
	2	M6	5	Nut	
	3	ШП6	9	Washer	
	4	80B-6807009-Б	1	Lever	
	5	1522-6807101	1	Stop	
	6	80B-6804066	1	Cover plate	
	7	1522-6807160	1	Panel	
	8	80B-6807070	1	Disk	
	9	80-1716041	8	Spring	
	10	15.081	8	Ball	
	11	80B-6807040	4	Clamp	
	12	M10	6	Nut	
	13	2522-6807020	1	Panel	
	14	2522-6807001	4	Bolt	
	15	M10x30	4	Bolt	
	16	ШП10	8	Washer	
	17	ШЧ10	4	Washer	
	18	80B-6807050	2	Screw	
	19	1522-6807150	2	Screw	
	20	2522-6807010	1	Bracket	
	21	M8x20	6	Bolt	
	22	A04.02.020	1	Nut	
	23	5x45	1	Cotter pin	
	24	ШЧ27	1	Washer	
	25	ШП8	6	Washer	
	26	2522-6807040	2	Connecting rod	
	27	2522-6807010-01	1	Bracket	
	28	ШЧ6	4	Washer	
	29	M6x14	6	Bolt	
	30	M6x20	3	Bolt	

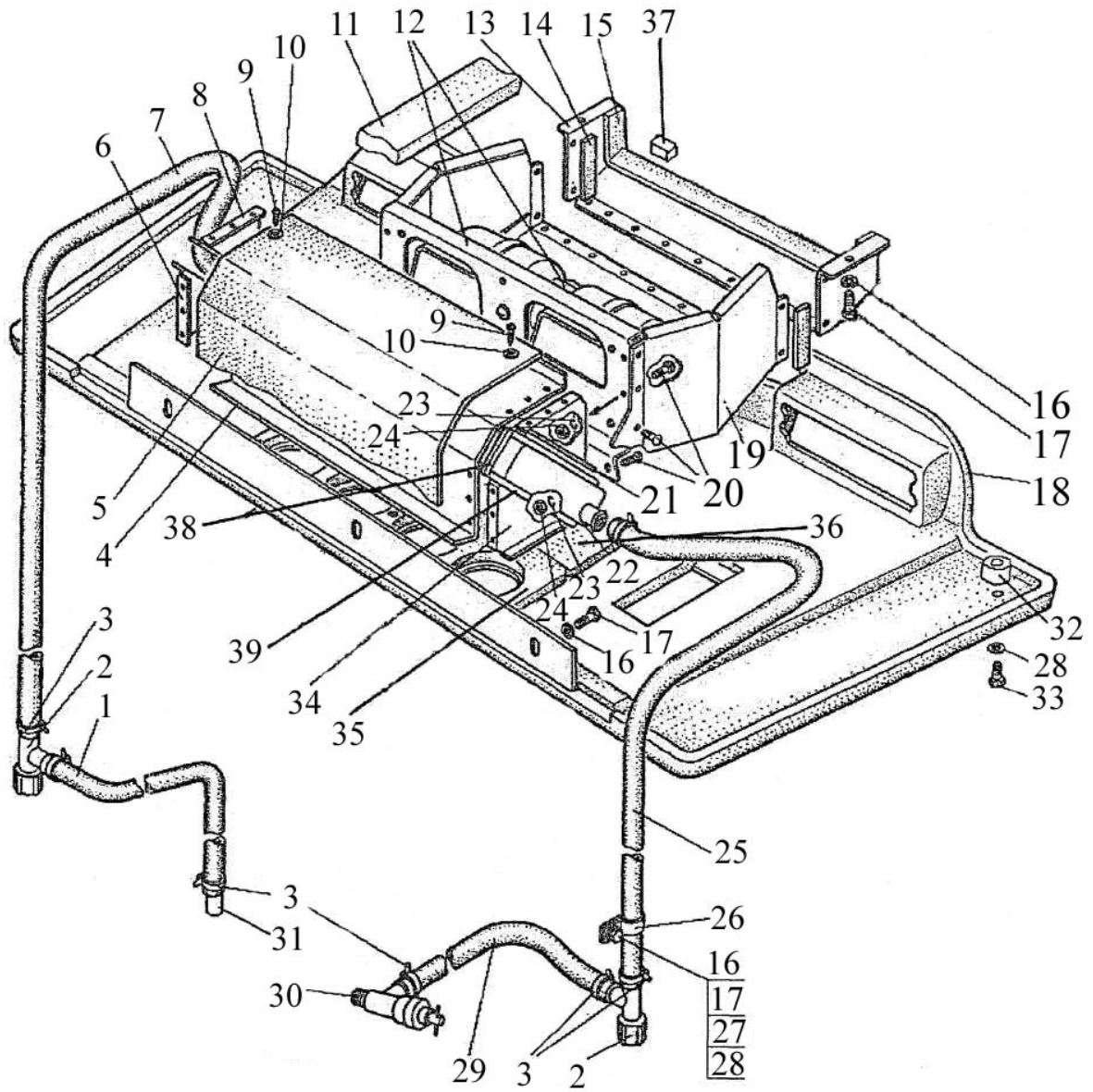


Fig. 124.1 Heater

Group 81. Heater.

Subgroup 8101. Heater.

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
124.1	1	1522-8101012-03	1	Hose	
	2	80-8100050	2	Cock	
	3	20-32 "Norma"	8	Clip	
	4	1522-8101104	1	Cover	
	5	1522-8101105	1	Lining	
	6	1522-8101170	1	Wall	
	7	1522-8101012-01	1	Hose	
	8	1522-8101101-01	1	Gusset plate	
	9	2-4x16	12	Screw	
	10	C5	12	Washer	
	11	1522-8101013-02	1	Seal	
	12	УВН 12-1-02	1	Fan	
	13	1522-8101103	1	Ferrule	
	14	1522-8101013-04	2	Seal	
	15	1522-8101013-03	1	Seal	
	16	ШП8	6	Washer	
	17	M8x25	6	Bolt	
	18	1522-8101110	1	Panel	
	19	1522-8101130	1	Ducting	
	20	BM5x10	22	Screw	
	21	1522-8101101	1	Gusset plate	
	22	1522-8101060	1	Radiator	
	23	ШП5	22	Washer	
	24	M5	22	Nut	
	25	1522-8101012	1	Hose	
	26	220-3723012	2	Clip	
	27	M8	1	Nut	
	28	ШП8	3	Washer	
	29	1522-8101012-02	1	Hose	
	30	BC 11 (KP-29)	1	Cock	
	31	80-8100023	1	Union	
	32	1522-8101035	2	Bushing	
	33	M8x35	2	Bolt	
	34	1522-8101102	1	Wall	
	35	1522-8101091-01	1	Seal	
	36	1522-8101091-02	2	Seal	
	37	1522-8101106	1	Gasket	
	38	2522-8101013-01	1	Seal	
	39	2522-8101013-06	2	Seal	

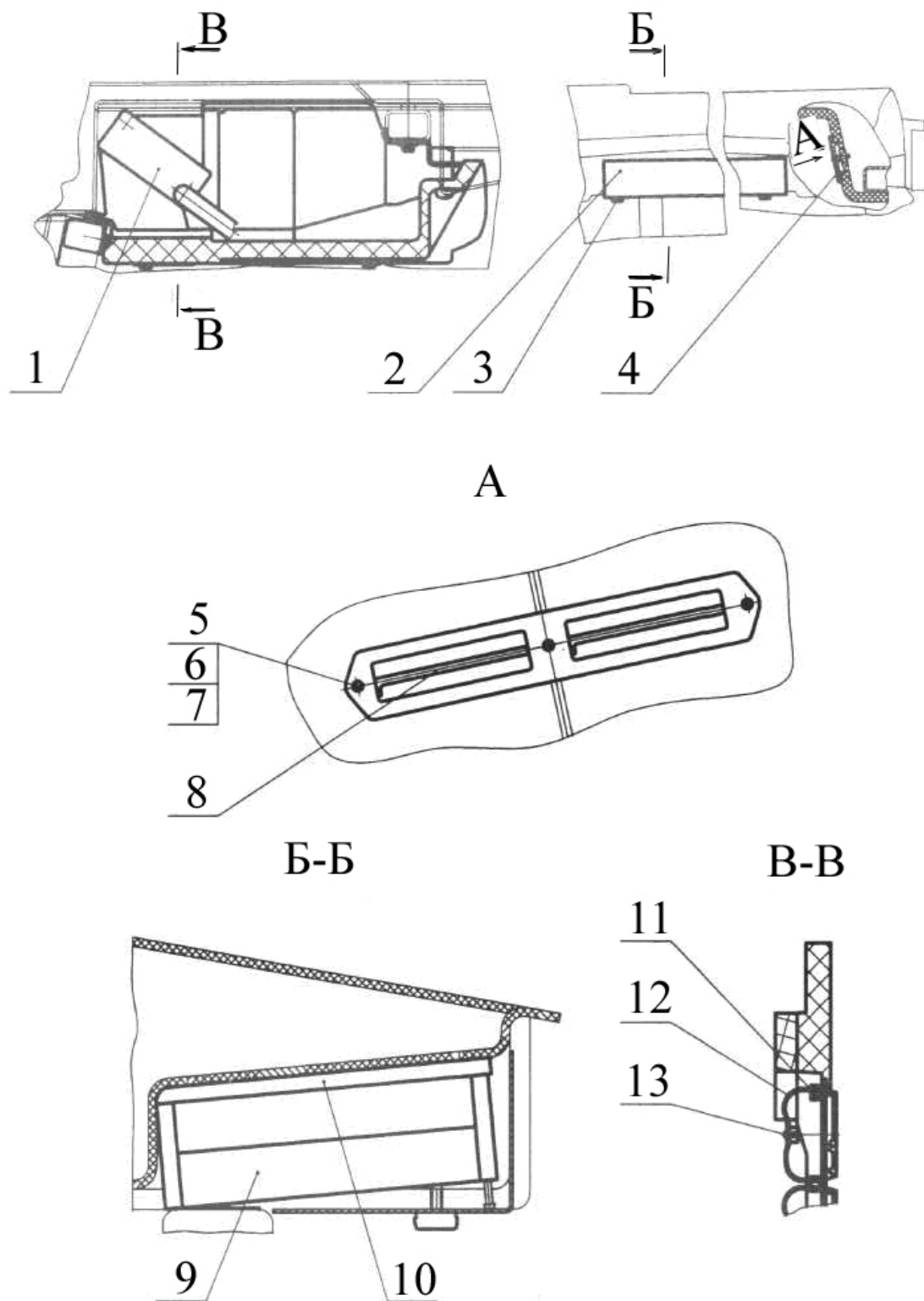


Fig. 124.2 Heater installation

Group 81. Heater.

Subgroup 8101. Heater installation

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
124.2	1	1522-8101100	1	Heater –Fan (4-31)	
	2	1522-8104023	2	Grid	
	3	80-3805065-01	4	Screw	
	4	80-8100011-B	1	Cover	
	5		3	Screw B.M6-6gx25.58.019 ГОСТ 17474-80	
	6		3	Nut M6-6H.6.019 ГОСТ 5915-70	
	7		3	Washer C 6.01.019 6958-78	
	8	80-8100012	2	Safety screen	
	9	80-8104060	2	Filter	
	10	1523-8101013	4	Seal	
	11	A30.04.017	7	Cap	
	12	1522-8104105	6	Clamp	
	13		6	Screw 2-4x16.019 ГОСТ 1144-80	

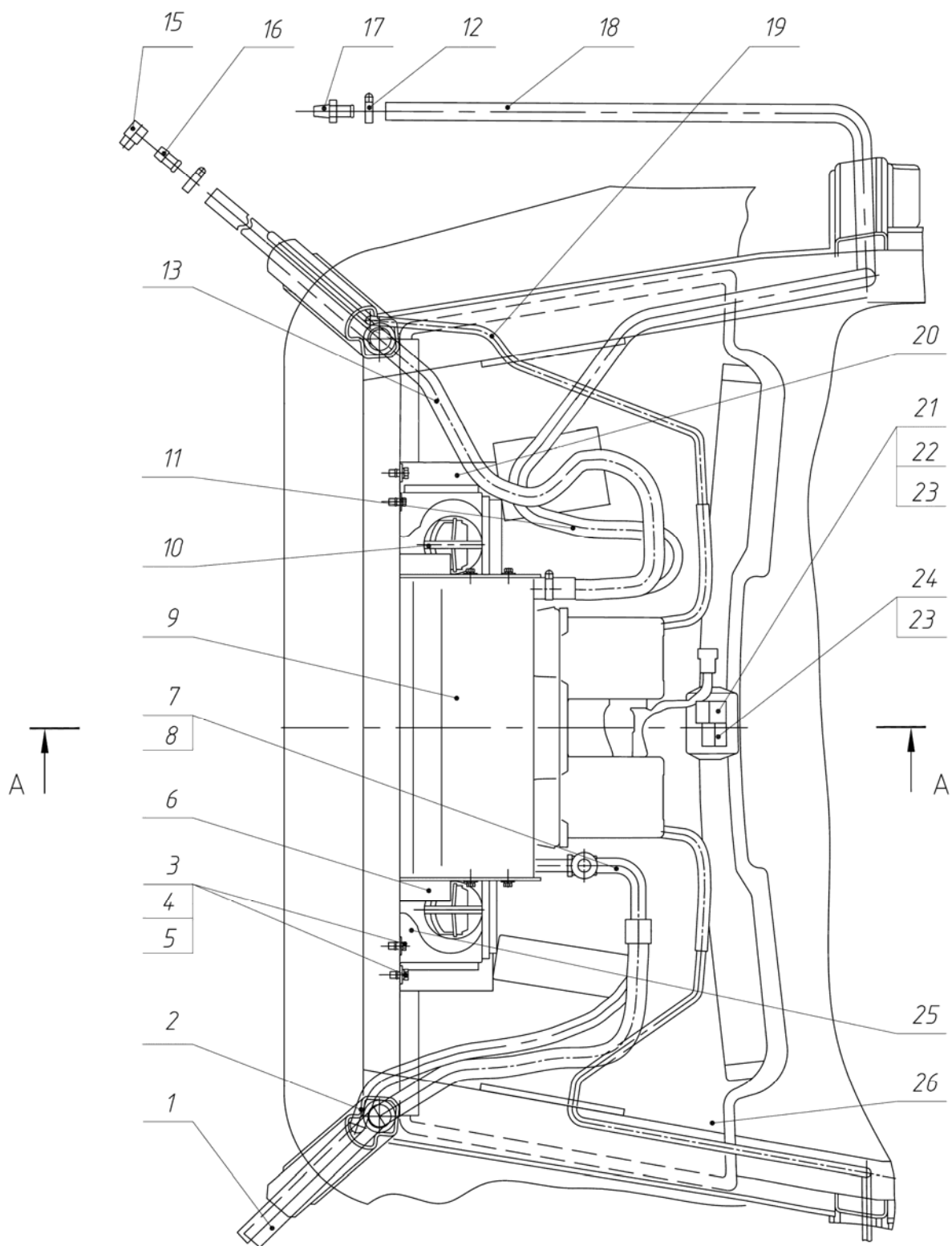


Fig. 125.1 Heater-cooler installation

Group 81. Air condition system

Subgroup 8101. Heater-cooler installation

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
125.1	1	№10 90010GN (L=4500 mm)	1	Hose (Air conditioner MT8100000)	
	2	№6 90006GN (L=6500 mm)	1	Hose (Air conditioner MT8100000)	
	3		10	Bolt M8-6gx25.88.35.019 ГОСТ 7796-70	
	4		10	Washer C 6.01.019 ГОСТ 6958-78	
	5		10	Washer 6T OCT 37.001.115-75	
	6	3022-8101020	1	Bracket	
	7	70110FG027	1	Fitting (Air conditioner MT8100000)	
	8	70106FG014	1	Fitting (Air conditioner MT8100000)	
	9	U003CF041E	1	Climatic unit (Air conditioner MT8100000)	
	10	1522-8104100	6	Deflector	
	11	80-8102015-03	1	Hose	
	12	20-32/9-C6W		Clamp «Norma» TORRO	
	13	3022-8101011	1	Hose	
	15	3022D-8100007	1	Union	
	16	80-8100023	1	Union	
	17	3022D-8100006	1	Union	
	18	3022-8101011-03	1	Hose	
	19	3022-8101012	2	Pipe	
	20	3022-8101020-01	1	Bracket	
	21	0682164	1	Switch of fan	
	22	067060/1	1	Temp./speed nameplate (Air conditioner MT8100000)	
	23	068407/0	2	Handle of control element (Air conditioner MT8100000)	
	24	068011/1	1	Thermostat (Air conditioner MT8100000)	
	25	3022-8101017	2	Wall	
	26	1522-8101110	1	Panel	

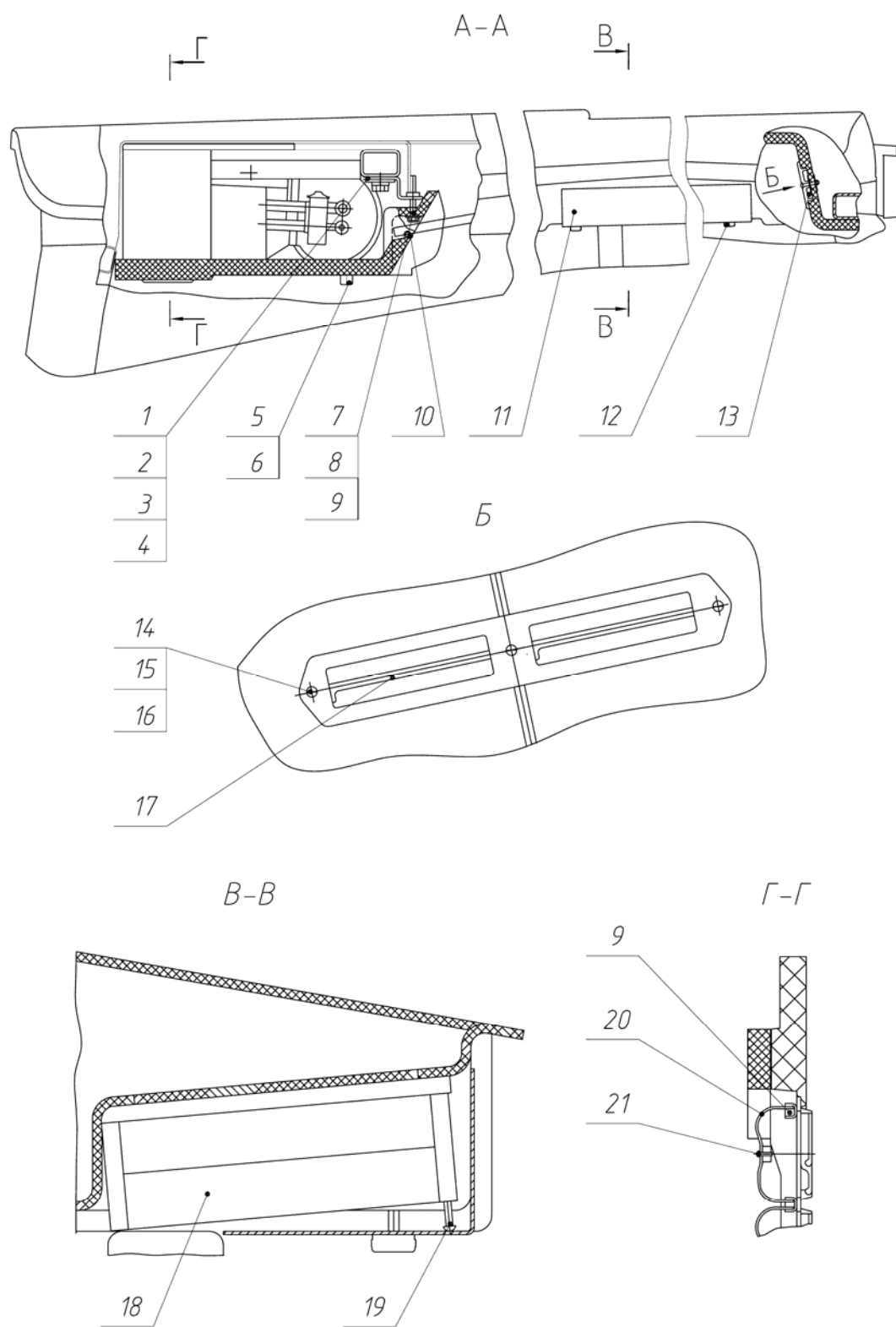


Fig. 125.2 Heater-cooler installation

Group 81. Air condition system

Subgroup 8101. Heater-cooler installation

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
125.2	1	3022-8101100	2	Bracket	
	2		2	Bolt M16-6gx25.88.35.019 ГОСТ 7796-70	
	3		2	Washer C 16.01.019 ГОСТ 6958-78	
	4		2	Washer 16 OT OCT 37.001.115-75	
	5	A30.04.017	2	Cap	
	6		4	Bolt M6-6gx30.88.35.019 ГОСТ 7798-70	
	7		2	Bolt M8-6gx65.88.35.019 ГОСТ 7796-70	
	8		2	Washer C 8.01.019 ГОСТ 6958-78	
	9	A30.04.017	2	Cap	
	10	SD1	1	Profile	
	11	1522-8104023	2	Grid	
	12	80-3805065-01	4	Screw	
	13	80-8100011-B	1	Grid	
	14		3	Screw B.M6-6gx25.58.019 ГОСТ 17474-80	
	15		3	Nut M6-6H.6.019 ГОСТ 5915-70	
	16		3	Washer C 6.01.019 ГОСТ 6958-78	
	17	80-8100012	2	Safety screen	
	18	80-8104060	2	Filter	
	19		2	Screw 1-4x25.019 ГОСТ 1144-80	
	20	1522-8104015	6	Clamp	
	21		6	Screw 2-4x16.019 ГОСТ 1144-80	

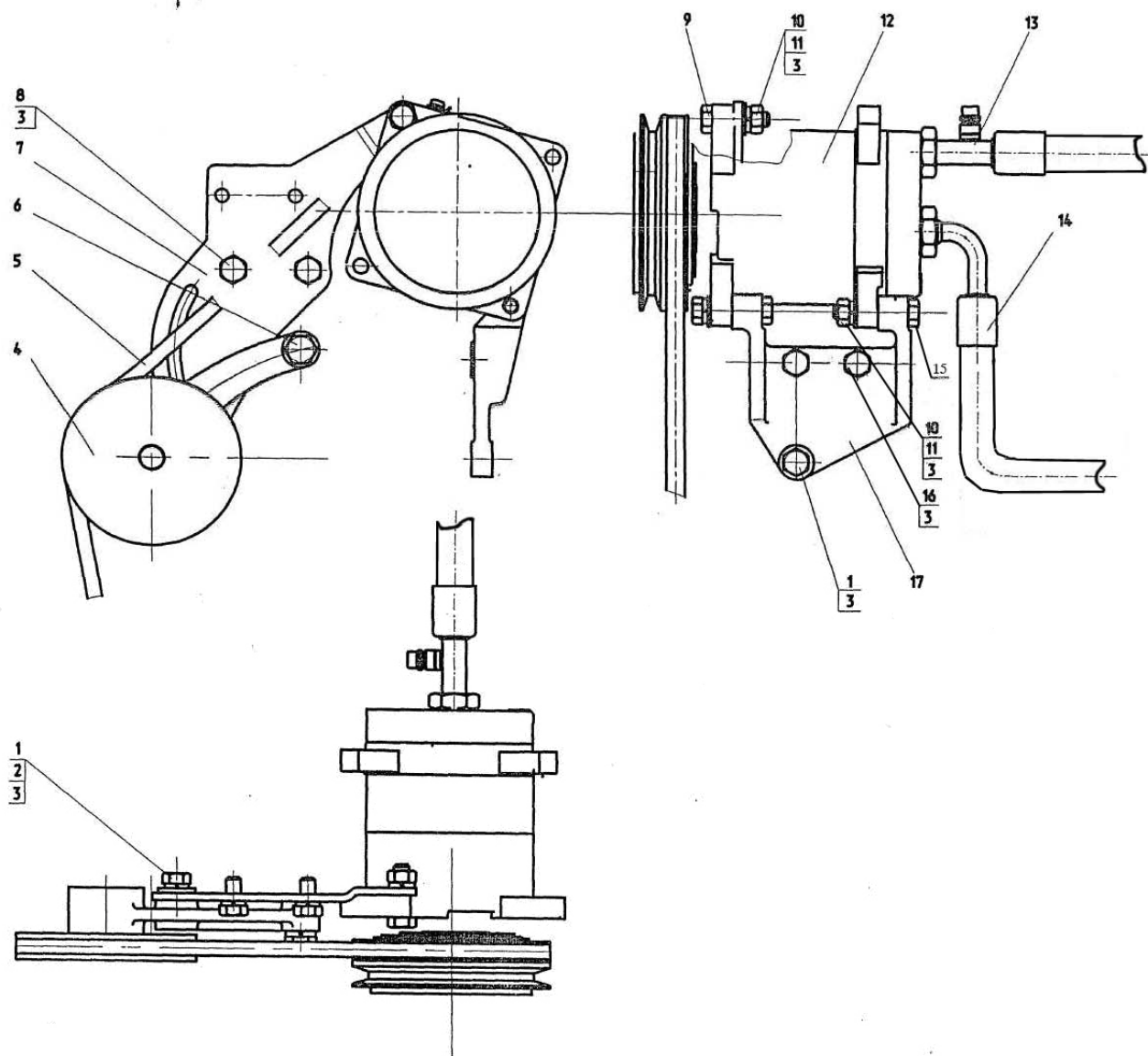


Fig. 126 Compressor installation

Group 81. Air condition system
Subgroup 8114. Compressor installation

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
126	1		2	Bolt M10-6gx30.88.35.019	
	2	50-1002073	1	Washer	
	3		9	Washer 10 OT	
	4	1221-8114070	1	Tension lever	
	5			Belt 1-11x10-1650 or	
			1	Toothed belt SPAIS – 1650 STOMIL EAST, Poland	
	6		1	Bolt M12- 6gx35.109.40X.019	
	7	1221-8114021	1	Plate	
	8		2	Bolt M10-6gxl6.88.35.019	
	9		1	Bolt M10-6gx35.88.35.019	
	10			Nut M10-6H.6.019	
	11			Washer C.10.01.08кп.019	
	12		1	Compressor 015200	Conditioner
	13		1	Fitting 70110FG160	MT8100000 Conditioner MT8100000
	14		1	Fitting 70108FG162	Conditioner
	15		2	Bolt TM10-6gx50.88.35.019	MT8100000
	16	260-3701068	2	Special bolt	
	17	1221-8114022	1	Bracket	
	18		1	Washer 12 OT	

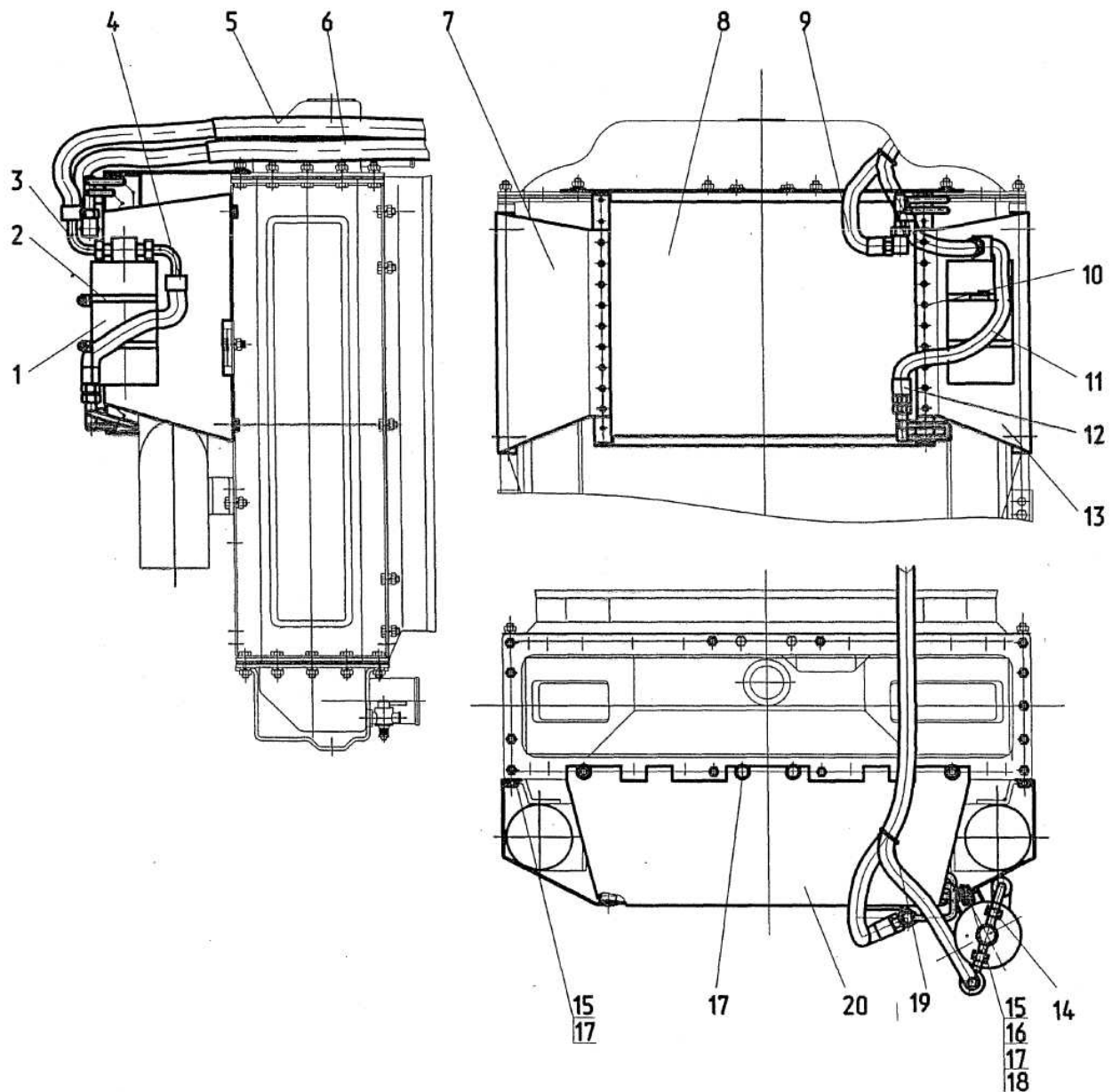


Fig. 127 Condenser installation

For 1222.3/1222.3B
1523.3/1523.3 B

Group 81. Air condition system
Subgroup 8112. Condenser installation

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
127	1		1	Filter drain 017051	Conditioner MT8100000
	2		2	Clamp "NORMA" TORRO 50-70/9-C6W	
	3		1	Fitting 70106FG039	Conditioner MT8100000-01
	4		1	Fitting 70106FG056	Conditioner MT8100000-01
	5	3022-8100009-01	1	Hose	
	6	3022-8100008-01	1	Hose	
	7	1523-8112020-01	1	Bracket	
	8		1	Conditioner condenser U00022422	Conditioner MT8100000-01
	9		1	Hose №8 90008GN (L=2250 mm)	Conditioner MT8100000-01
	10		10	Rivet 1.3,2x9 AMr5Π TY PB 28610482.001-98 ²	
	11		1	Hose № 6 90006GN (L=700 mm)	Conditioner MT8100000-01
	12		1	Fitting 70108FG095	Conditioner MT8100000-01
	13	1523-8112020	1	Bracket	
	14	3022-8112011	1	Bracket	
	15		6	Bolt M8-6gx16.88.35.019	
	16		1	Nut M8-6H.6.019	
	17		9	Washer C.8.01.08кп.01	
	18		2	Washer 8T	
	19	80-3723045-01	2	Collar	
	20	1523-8112011	1	Plate	

² TY PB – TS RB- Technical Specifications of the Republic of Belarus

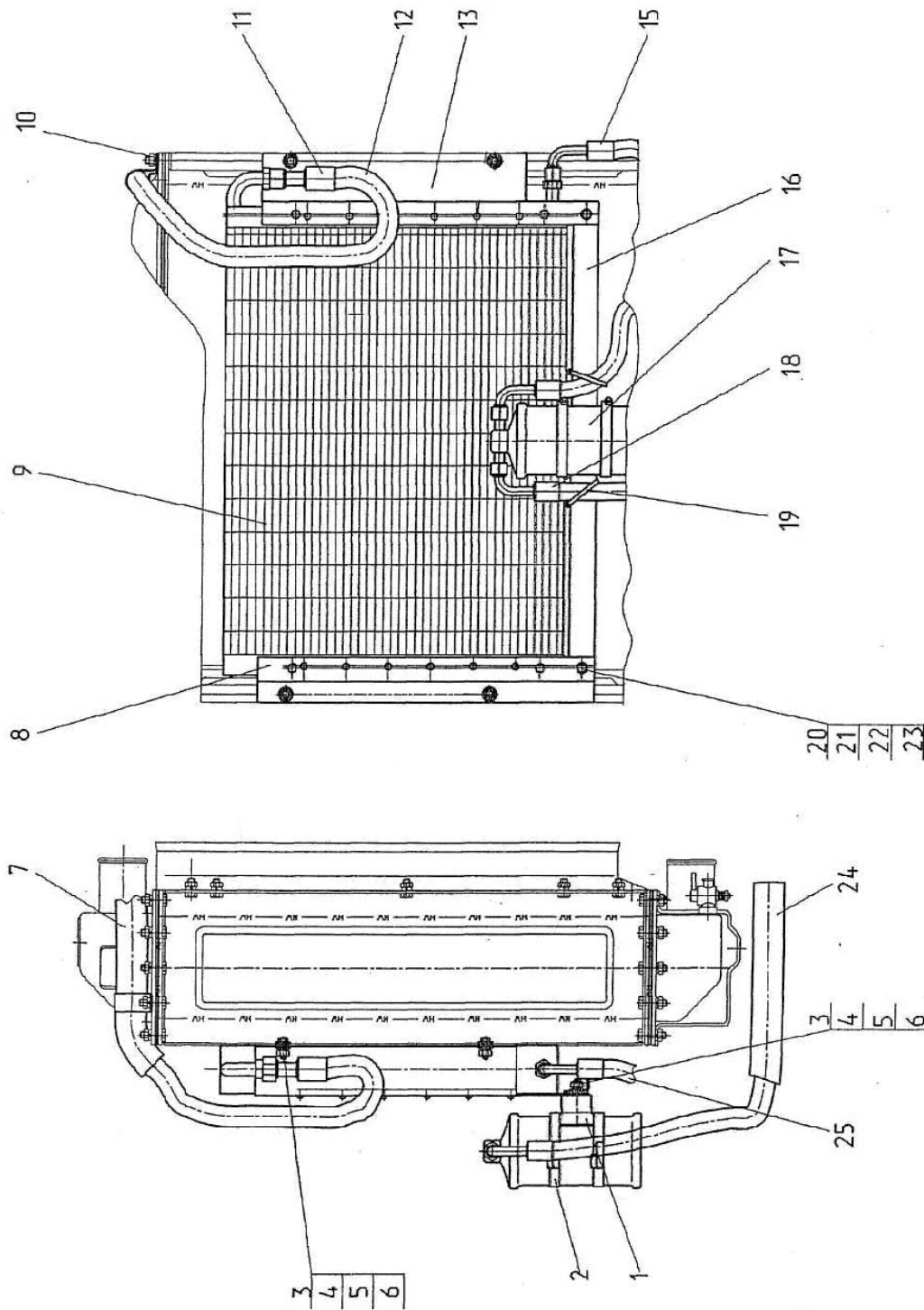


Fig. 128 Condenser and receiver installation

For 1222/1222B
1523/1523B

Group 81. Air condition system

Subgroup 8112. Condenser and receiver installation

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
128	1	3022-8112011	1	Bracket	
	2		2	Clamp "NORMA" TORRO 50-70/9-C6W	
	3		9	Nut M8-6H.6.019	
	4		9	Washer 8T	
	5		9	Washer C.8.01.08кп.019	
	6		5	Bolt M8-6gx25.88.35.019	
	7	3022-8100008-01	1	Hose	
	8	1222-8112012	1	Bracket	
	9		1	Conditioner condenser 022396	Conditioner MT8100000
	10		1	Clip	
	11	923-3723012	1	Fitting 70108FG095	Conditioner MT8100000
	12		1	Hose №8 90008GN (L=2250 mm)	Conditioner MT8100000
	13		1	Bracket	
	15		1	Fitting 70106FG056	Conditioner MT8100000
	16	3022-8112101	1	Angle piece	
	17		1	Filter drain 017051	Conditioner MT8100000
	18		1	Fitting 70106FG039	Conditioner MT8100000
	19	80-3723045-01	2	Collar	
	20		2	Bolt M6-6gx25.88.35.019	
	21		2	Nut M6-6H.6.019	
	22		2	Washer C.6.01.08кп.019	
	23		2	Washer 6T	
	24		1	Hose	
	25	3022-8100009-01	1	Hose №6 90006GN (L=700MM)	Conditioner MT8100000

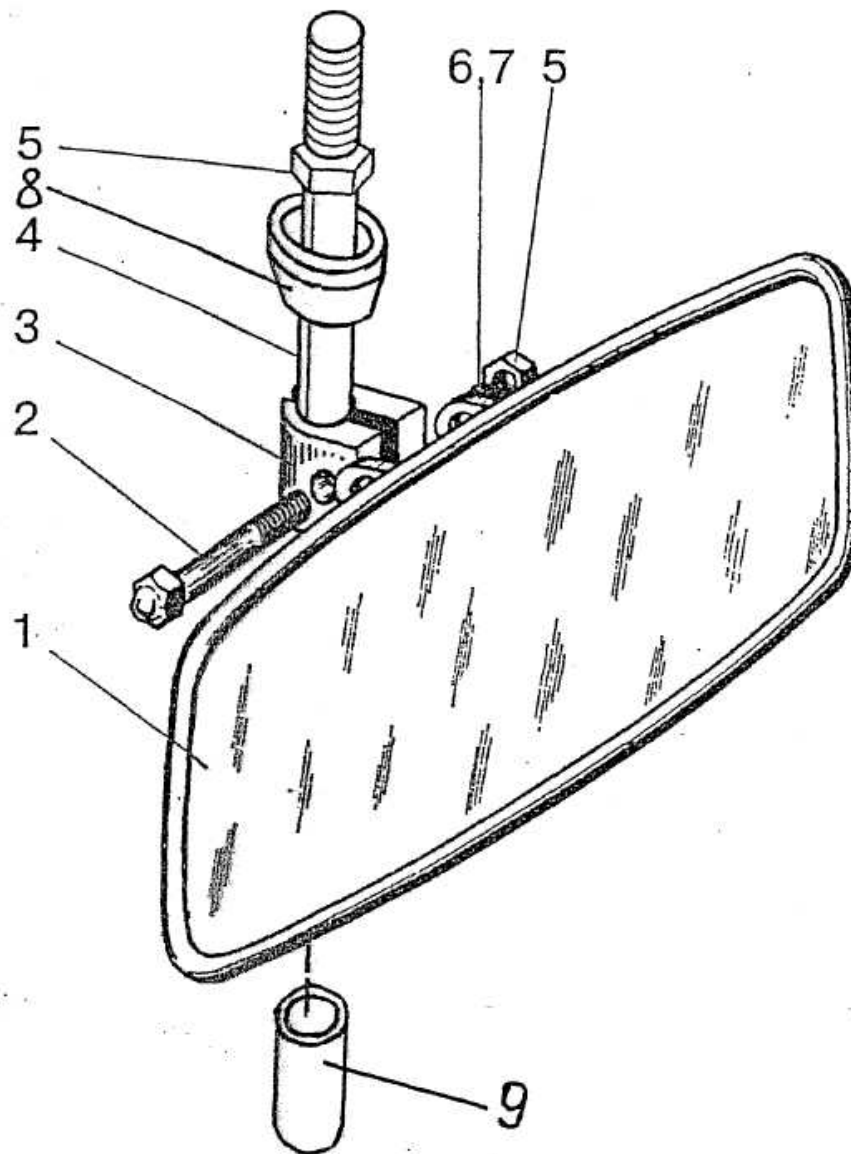


Fig. 129 Inner mirror

Group 82. Cab accessories
Subgroup 8201. Inner mirror

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
129		2522-8201090	1	Inner mirror installation (1, 4, 5, 8, 9)	
	1	80-8201035	1	Inner mirror	
	2	M8x25	1	Bolt	
	3	A30.04.071	1	Clip	
	4	2522-8201091	1	Axle	
	5	M8	2	Nut	
	6	IIIЧ8	1	Washer	
	7	IIII8	1	Washer	
	8	2522-8201092	1	Cap	
	9	70-6700103	1	Cap	

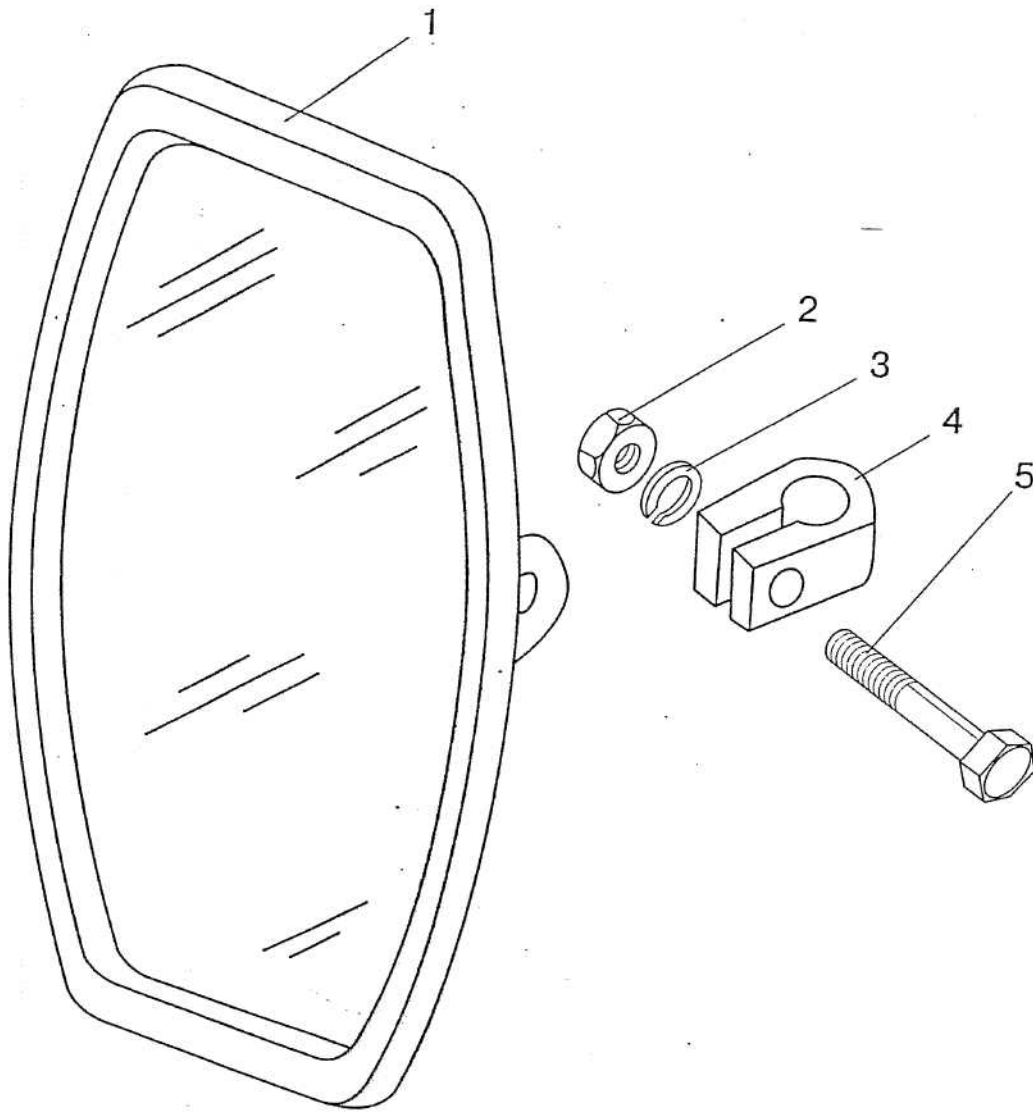


Fig. 130 Outer mirror

Group 82. Cab accessories
Subgroup 8201. Outer mirror

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
130	1	80-8201055	2	Outer mirror	
	2	M8	2	Nut	
	3	IIIИ8	2	Washer	
	4	A30.04.051	2	Clip	
	5	M8x40	2	Bolt	

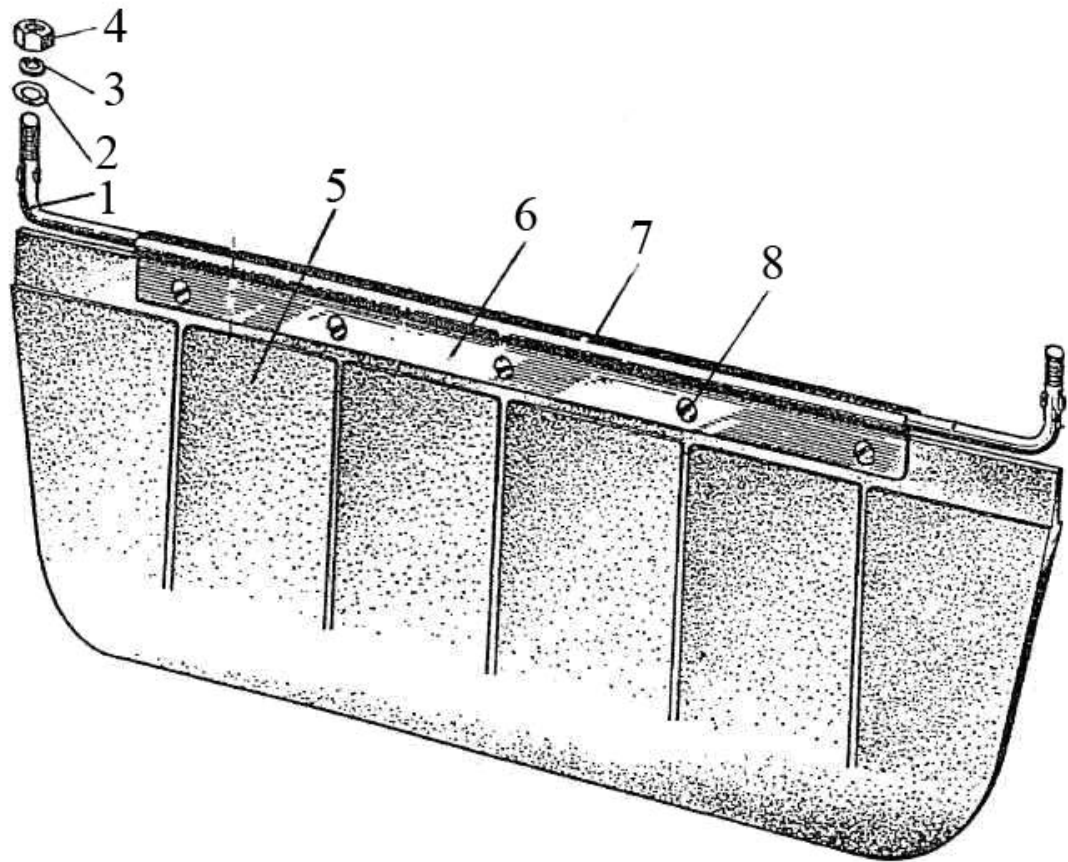


Fig. 131 Sun visor

Group 82. Cab accessories
Subgroup 8201. Sun visor

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
131		80П-8204010	1	Sun visor (1,5-8)	
	1	80П-8204011	1	Axle	
	2	ШЧ6	2	Washer	
	3	ШП6	2	Washer	
	4	M6	2	Nut	
	5	70-8204011-A	1	Sun visor	
	6	70-8204014	1	Holder	
	7	70-8204015	1	Holder	
	8	B.M4x10	5	Screw	

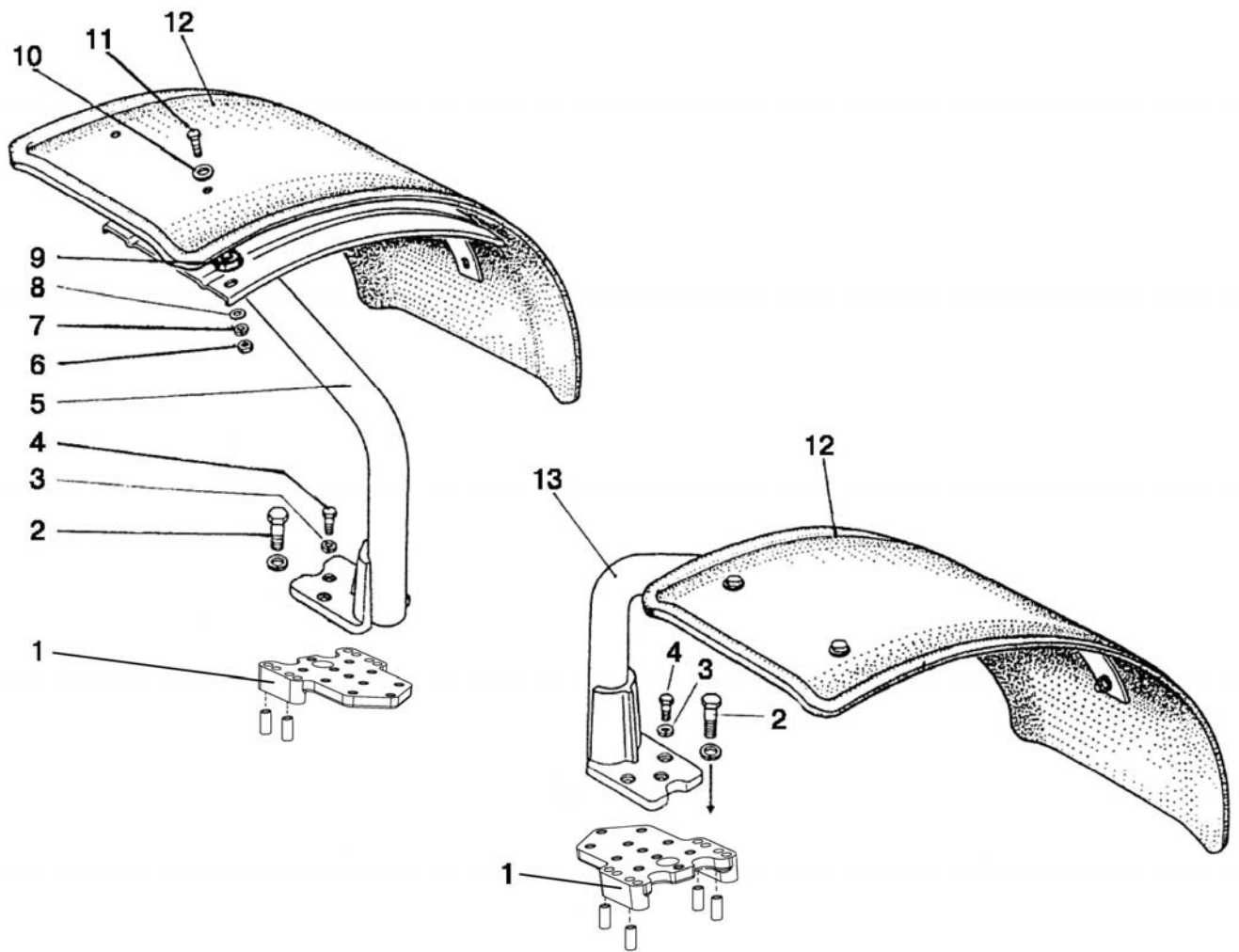


Fig. 132 Front wheel fenders

Group 84

Subgroup 8403. Front wheel fenders

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
132	1	822-8403011-Б	2	Base	
	2	M12x85	8	Bolt	
	3	ШП12	14	Washer	
	4	M12X30	6	Bolt	
	5	2022-8403015-01	1	Support	
	6	M10	10	Nut	
	7	ШП10	10	Washer	
	8	ШЧ10	10	Washer d=21 mm	
	9	80-4616017	10	Roller	
	10	ШЧ 10	10	Washer d=30 mm	
	11	M 10x25	10	Bolt	
	12	1221-8403014-Б-02 or 1221-8403014-Б1-02	2 2	Fender Fender	
	13	2022-8403015	1	Support	
	14	2022-8403012	8	Bushing	

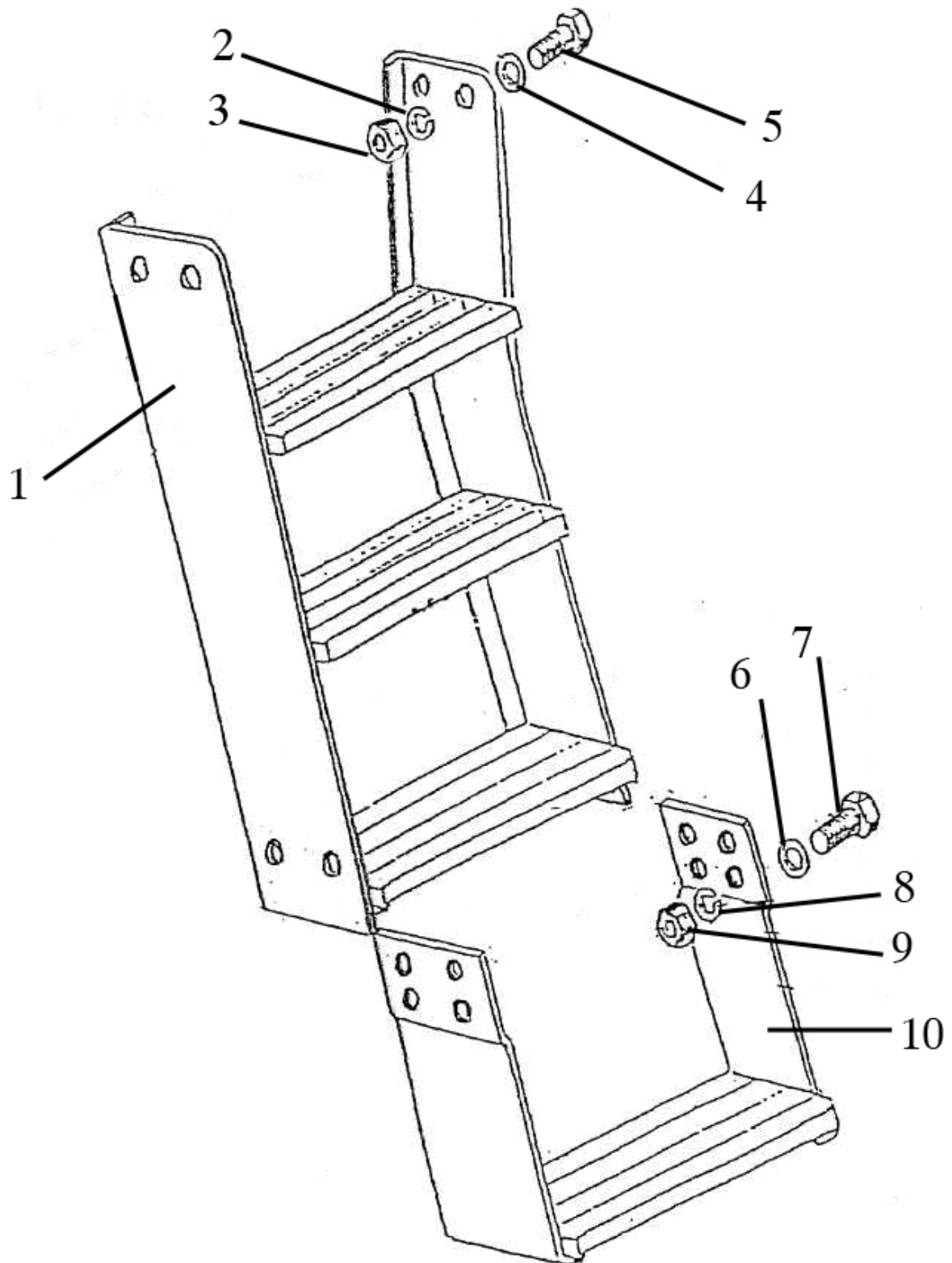


Fig. 133 Step

Group 84
Subgroup 8405. Step

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
133		1522-84050 05	1	Step (1-10)	
	1	2522-8405010	1	Step	
	2	ШП12	4	Washer	
	3	M12	4	Nut	
	4	ШЧ12	4	Washer	
	5	M 12x35	4	Bolt	
	6	ШЧ 10	4	Washer	
	7	M 10x25	4	Bolt	
	8	ШП 10	4	Washer	
	9	M10	4	Nut	
	10	2522-8405020	1	Step	

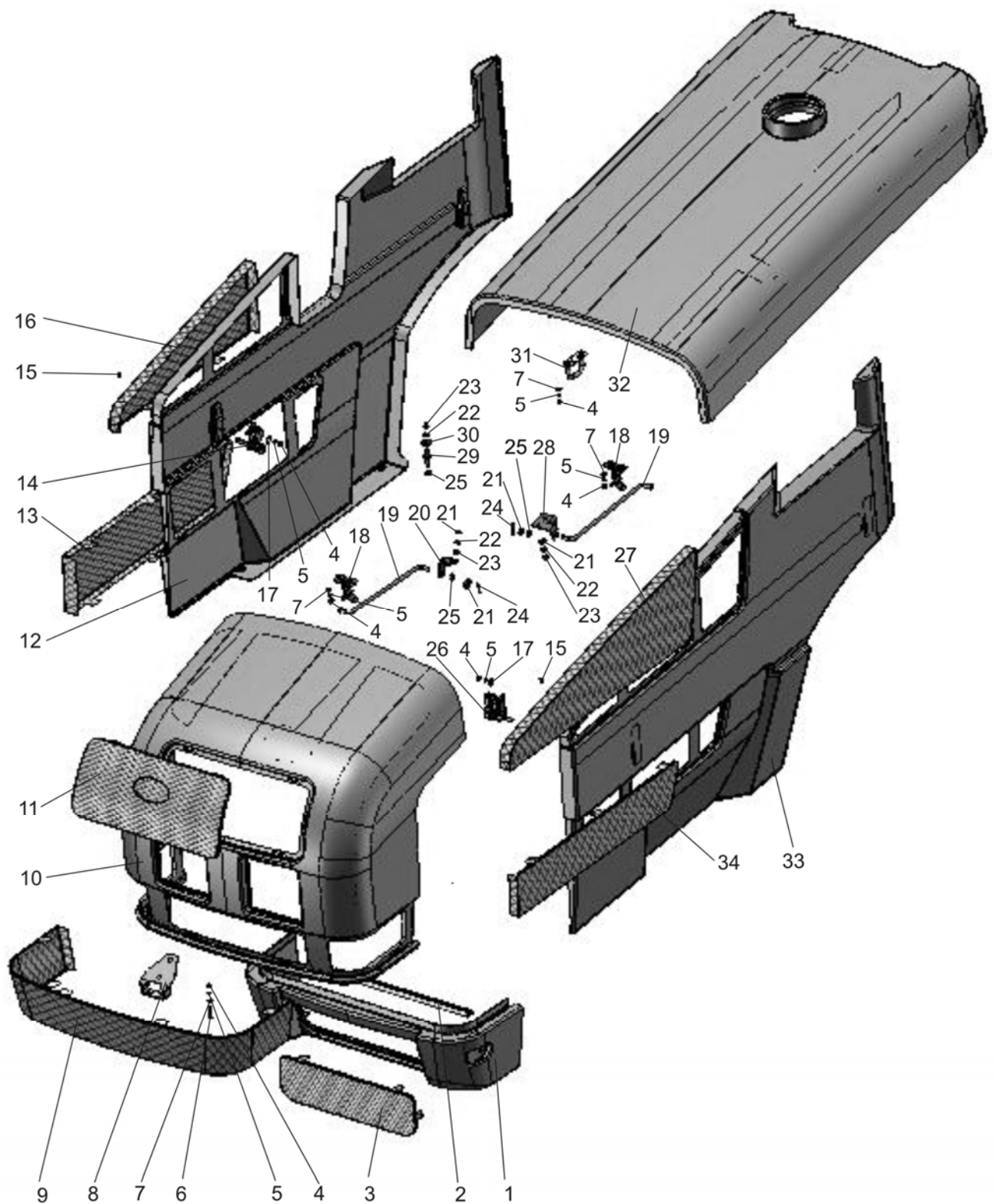


Fig. 134.1 Facing

Group 84. Hood and fenders
Subgroup 8400. Facing

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
134.1	1	TA1222-8400015	1	Apron	
134.2	2	A 37.08.045	1	Seal	
	3	923-8401088	1	Grid	
	4		16	Nut M6-6H.6.019 ГОCT 5915-70	
	5	6T	32	Washer OCT 37.001.115-75	
	6		2	Screw B.M6-6gx40.58.019 ГОCT 17475-86	
	7		10	Washer C6.01.019 ГОCT 11371-78	
	8	1523-8402420	1	Clamp	
	9	1523-8401087	1	Grid	
	10	TA1222-8400015	1	Mask	
	11	950.3-8401090	1	Grid	
	12	TA1222-8402320	1	Side member	
	13	1523-8402318	1	Grid	
	14	923-8402410-01	2	Lock	
	15	WFS-4213	6	Self-tapping screw	
	16	1523-8402322	1	Grid	
	17		23	Washer C6.01.019 ГОCT 6958-78	
	18	950.3-8400050	1	Clamp	
	19	90-8400070-01	2	Rod	
	20	950.3-8400101	1	Bracket	
	21		18	Washer C8.01.019 ГОCT 11371-78	
	22	8T	42	Washer OCT 37.001.115-75	
	23		20	Nut M8-6H.6.019 ГОCT 5915-70	
	24		8	Cotter pin 3.2x25.019 ГОCT 397-79	
	25	549A-1305044	6	Ring	
	26	923-8402410	2	Lock	
	27	1523-8402319	1	Grid	
	28	950.3-8400102	1	Bracket	
	29	923-8400011	4	Lock	
	30		28	Washer C8.01.019 ГОCT 6958-78	
	31	1221-8402420	1	Clamp	
	32	TA1222-8402020	1	Bonnet	
	33	TA1222-8402310	1	Side member	
	34	950.3-8402318	1	Grid	
	35	1523-8402030	1	Frame	
	36	1523-8402041	2	Bracket	
	37	822-8400080-03	2	Control cable	
	38	1523-8402039	2	Bracket	

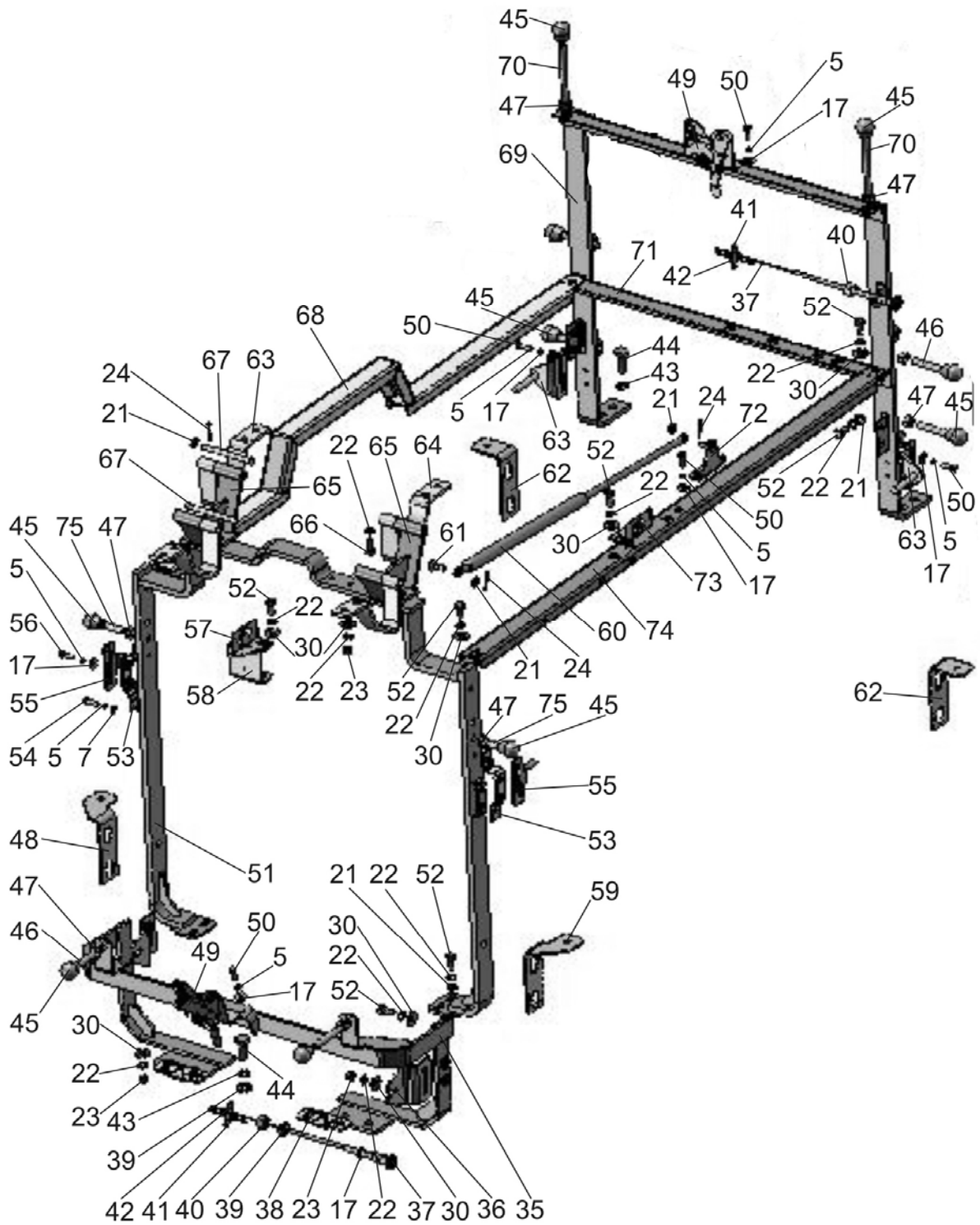


Fig. 134.2 Facing

Group 84. Hood and fenders
Subgroup 8400. Facing

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
134.1	39	C12.01.019	5	Washer C12.01.019 ГОCT 11371-78	
134.2	40	M12x1.25-6H.6.019	2	Nut ГОCT 5915-70	
	41	B.M5-6gx12.58.019	4	Screw ГОCT 17473-80	
	42	70-4803023	2	Coupling	
	43	12 OT	6	Washer OCT 37.001.115-75	
	44	M12-6gx30.88.35.019	6	Bolt ГОCT 7796-70	
	45	70-3401093	10	Lever tip	
	46	923-8400033	6	Rod	
	47		10	Nut M10-6H.6.019 ГОCT 5915-70	
	48	920-8400140	1	Support	
	49	80-8402410	2	Lock	
	50		10	Bolt M6-6gx16.88.35.019 ГОCT 7798-70	
	51	1523-8402060	1	Arch	
	52		16	Bolt M8-6gx20.88.35.019 ГОCT 7796-70	
	53	1523-8402085	2	Bracket	
	54		2	Bolt M6-6gx14.88.35.019 ГОCT 7798-70	
	55	1321-8402095-Б	2	Lock	
	56		4	Bolt M6-6gx20.88.35.019 ГОCT 7798-70	
	57	923-8400060	1	Bracket	
	58	1523-8400170	1	Support	
	59	920-8400140-01	1	Support	
	60	21054	1	Gas strut	
	61	80-6707096	1	Axle	
	62	923-8400140-01	2	Support	
	63	923-8402095-Б	2	Lock	
	64	923-8400045	4	Hinge	
	65	923-8400040	2	Support	
	66		4	Bolt M8-6gx30.88.35.019 ГОCT 7796-70	
	67	923-8400031	4	Axle	
	68	1523-8402045	1	Turnbuckle	
	69	1523-8402070	1	Support	
	70	923-8400033-01	2	Rod	
	71	1523-8402110	1	Strip	
	72	80-6708225	1	Bracket	
	73	90-8400012	1	Bracket	
	74	1523-8400080	1	Turnbuckle	
	75		2	Stud M10-3p/6gx45.66.019 ГОCT 22034-76	

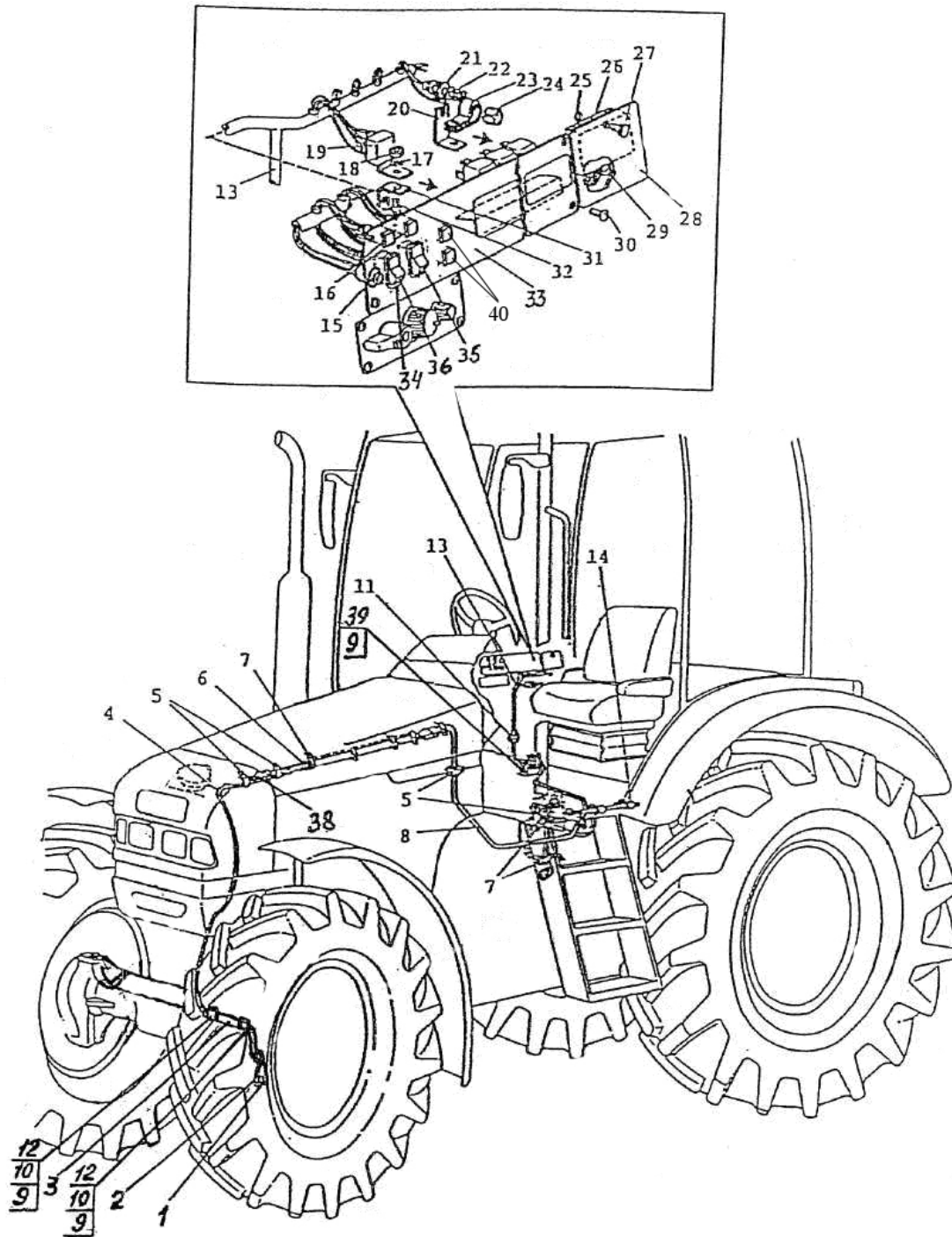


Fig. 135 Differential lock (DL) and front drive axle (FDA) control
(with GB 16x8 and FDA 1222-2300020-05)

Group 87

Subgroup 8700. DL and FDA control

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
135	1	50-1702048	10	Adjusting gasket	Maximal quantity
	2		1	Switch BK 12-51 TY PB 37334210.004-97	
	3	1222-8700021	1	Pipe	
	4	1221-3724840-B	1	Harness	
	5	80-3723045-01	4	Collar	
	6	1222-3724850	1	Harness	
	7	80-3723045	14	Collar	
	8	1522-3724830-Д	1	Harness	
	9		4	Washer 8T OCT 37.001.115-75	
	10		2	Bolt M8-6gx16.88.35.019 ГОСТ 7796-70	
	11	70-3723042-01	1	Bushing	
	12	1221-8700022	2	Clip	
	13	1522-3724820-E	1	Harness	
	14	1522-8700212	2	Clamp	
	15		1	Switch BK12-1 ЦИКБ 642241.001 TY	
	16		2	Control lamp 12.3803-31 TY PB 300228919.037-2002 or 2202.3803-34 TY 37.003.1109-82	
	17		5	Washer 6T OCT 37.001.115-75	
	18		5	Nut M6-6H.6.019 ГОСТ 5915-70	
	19		7	Relay 90.3747 TY 37.003.1418-94	
	20	1522-8700221-A	1	Bracket	
	21	1522-8700222	1	Bushing	
	22		3	Washer 5T OCT 37.001.115-75	
	23	1321-8700019	1	Clip	
	24	ПП-32-01	1	Seal	
	25		1	Ring 006-010-25-1-4 ГОСТ 18829-73/ГОСТ 9833-73	
	26		1	Fuse block БП-1 TY PB 03428193.095-97	
	27	80-3805065	1	Screw	
	28	822-3801341	1	Board	
	29	80-3724410-06	1	Cable	
	30		4	Screw B. M6-6gx20.58.019 ГОСТ 17474-80	
	31	1522-8700221	1	Bracket	

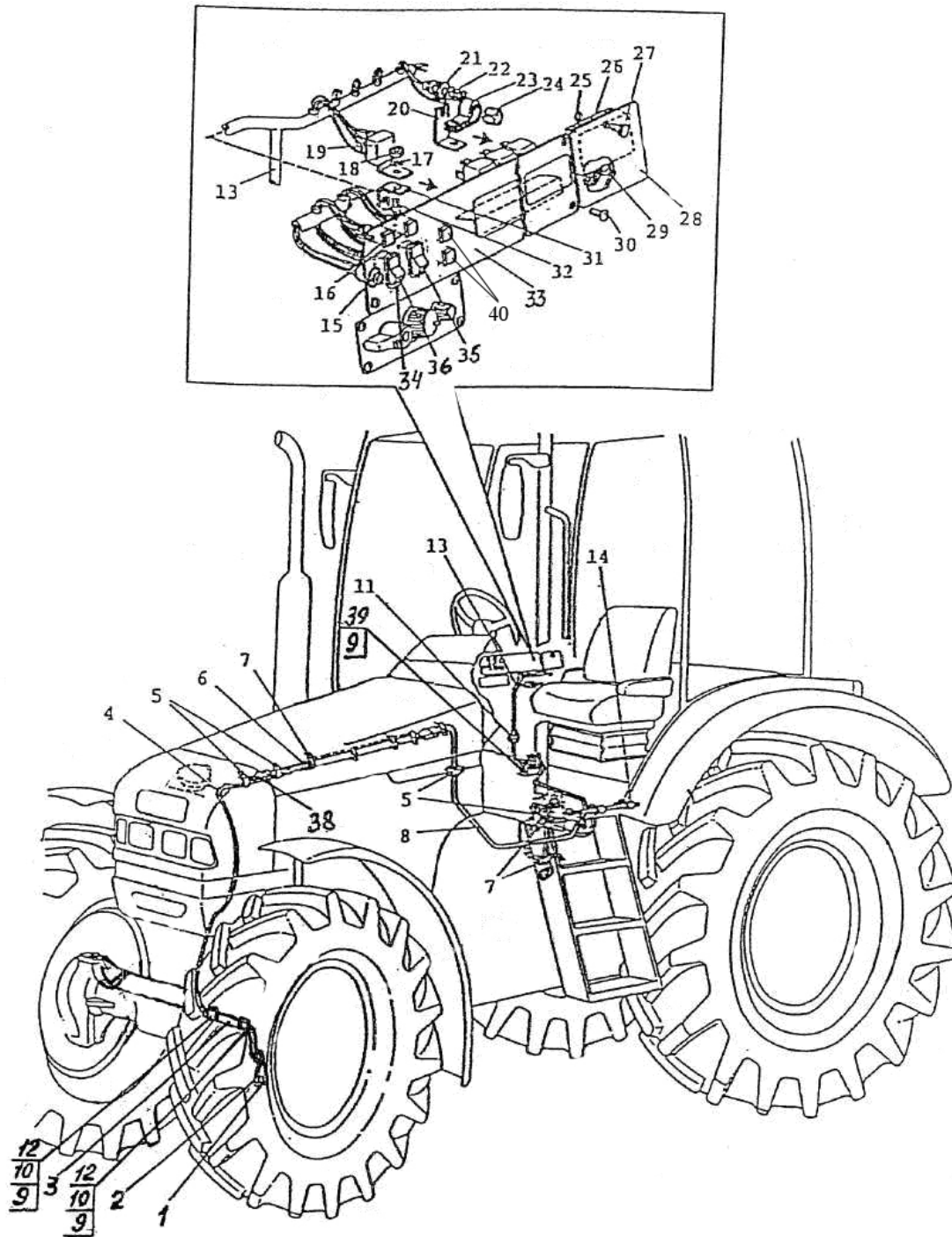


Fig. 135 Differential lock (DL) and front drive axle (FDA) control
(with GB 16x8 and FDA 1222-2300020-05)

Group 87

Subgroup 8700. DL and FDA control

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
135	32		5	Screw B. M6-6gx16.58.019 ГОСТ 17473-80	
	33	2022-8700465	1	Panel	
	34	80-3801021	2	Switch connector	
	35		1	Change-over switch П150М-06.14 ТУ РБ 14795799.001-97or П150-06.17 ТУ 37.003.701-75	
	36		1	Change-over switch П147М-06.49 ТУ РБ 14795799.001-97 or П147-06.17 ТУ 37.003.701-75	
	38		1	Female receptacle 602602 ОСТ 37.003.032-88	
	39		2	Bolt M8-6gx14.88.35.019 ГОСТ 7798-70	
	40		2	Control lamp 12.3803-41 ТУ РБ 300228919.037-2002	

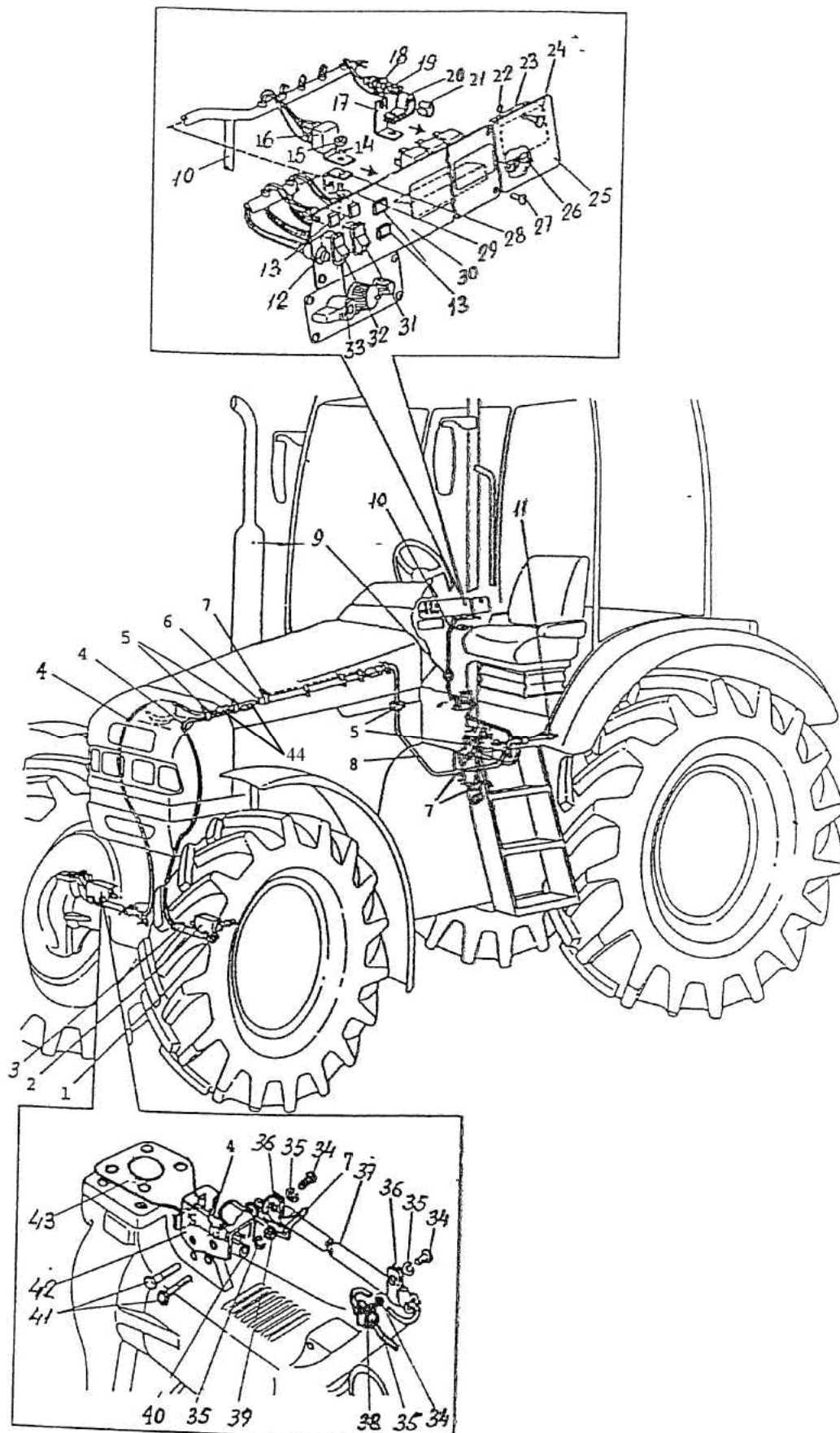


Fig. 136 DL, FDA and reducer control
(with GB 24x12 and FDA 1525-2300020)

Group 87

Subgroup 8700. DL, FDA and reducer control

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
136	1	2022-8700030	1	(Left) bracket	
	2	2022 -8700027	1	Bracket	
	3	2022-8700028	1	Pipe	
	4	ЭВИТ-С3	2	Switch	
	5	80-3723045-01	11	Collar	
	6	1522-3724850	1	Harness	
	7	80-3723045	19	Collar	
	8	2022-3724930-Д	1	Harness	
	9	70-3723042-02	1	Bushing	
	10	2022-3724920-E	1	Harness	
	11	822-3723044	1	Clip	
	12		1	Switch BK 12-1 ЦИКС 642241.001 ТУ	
	13		4	Control lamp 12.3803-31 ТУ РБ 300228919.037-2002 or 2202.3803-34 ТУ 37.003.1109-82	
	14		7	Washer 6T ОСТ 37.001.115-75	
	15		7	Nut M6-6H.6.019 ГОСТ 5915-70	
	16		10	Relay 90.3747 ТУ 37.003.1418-94	
	17	1522-8700221-A	1	Bracket	
	18	1522-8700222	1	Bushing	
	19		4	Washer 5T ОСТ 37.001.115-75	
	20	1321-8700019	1	Clip	
	21	ПП-32-01	1	Seal	
	22		1	Ring 006-010-25-1-4 ГОСТ 18829-73/ГОСТ 9833-73	
	23		1	Fuse block БП-1 ТУ РБ 03428193.095-97	
	24	80-3805065	1	Screw	
	25	822-3801341	1	Board	
	26	80-3724410-06	1	Cable	
	27		4	Screw B. M6-6gx20.58.019 ГОСТ 17474-80	
	28	1522-8700221	2	Bracket	
	29		7	Screw B. M6-6gx16.58.019 ГОСТ 17473-80	
	30	2022-8700465	1	Panel	
	31		1	Change-over switch П150М-06.14 ТУ РБ 14795799.001-97 or П150-06.17 ТУ 37.003.701-75	
	32		1	Change over switch П147М-06.49 ТУ РБ 14795799.001-97 or П147-06.17 ТУ 37.003.701-75	

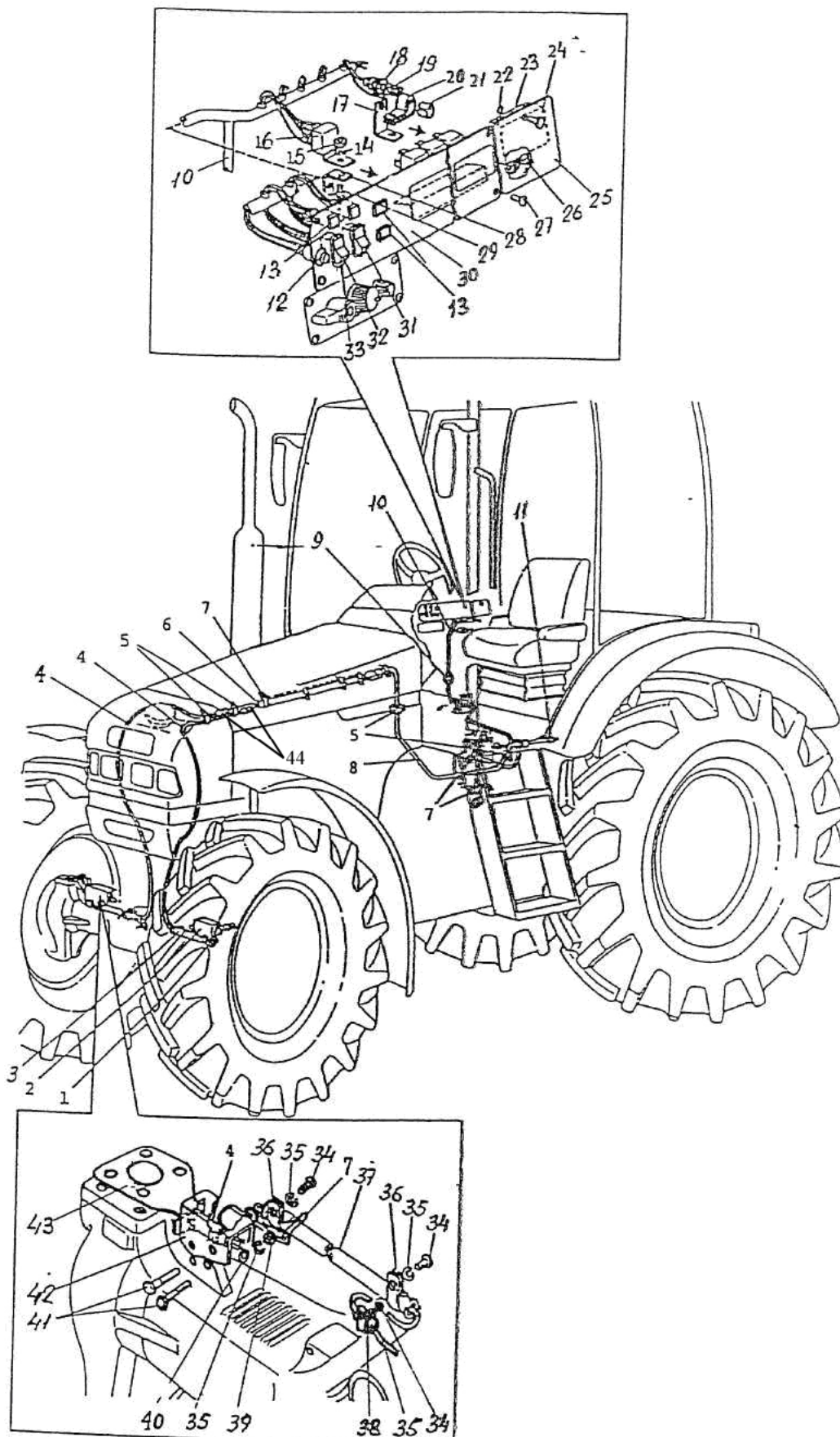


Fig. 136 DL, FDA and reducer control
(with GB 24x12 and FDA 1525-2300020)

Group 87

Subgroup 8700. DL, FDA and reducer control

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
136	33	80-3801021	2	Switch connector	
	34		6	Bolt M8-6gx16.88.35.019 ГОСТ 7796-70	
	35		10	Washer 8T OCT 37.001.115-75	
	36	1321-8700029	4	Clip	
	37	2022-3700028 -01	1	Pipe	
	38	50-3723021	2	Clamp	
	39		4	Nut M8-6H.6.019 ГОСТ 5915-70	
	40		4	Washer C8.01.019 ГОСТ 11371-78	
	41		4	Bolt M8-6gx30.88.35.019 ГОСТ 7796-70	
	42	2022-8700027-01	1	Bracket	
	43	2022-8700030-01	1	(Right) bracket	
	44		2	Male receptacle 502604 OCT 37.003.032-88	

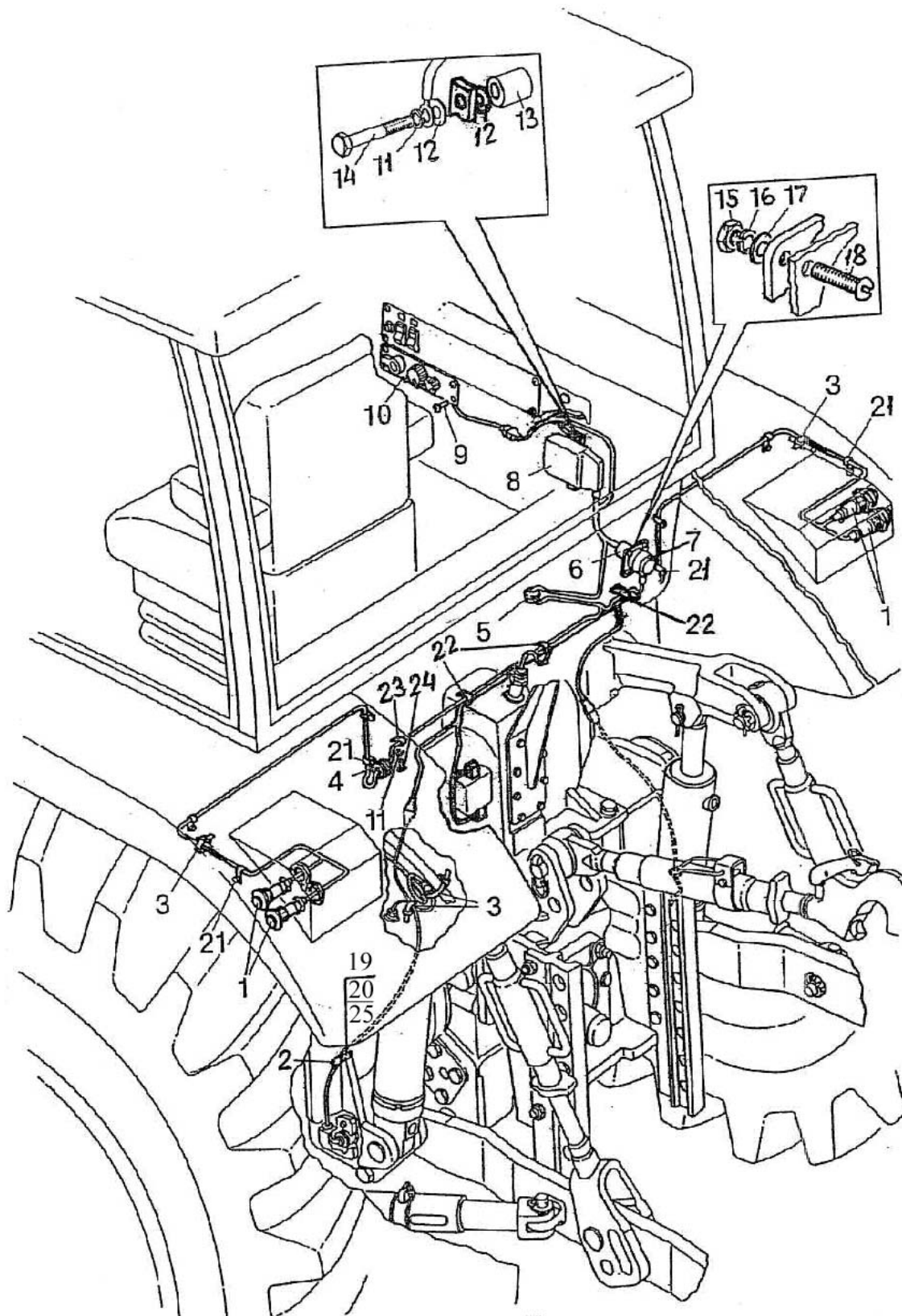


Fig. 137 Mounting unit control

Group 87

Subgroup 8700. Mounting unit control

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
137	1		4	Button switch 145000AB	
	2	50-3723021	2	Clamp	
	3	80-3723045-01	5	Collar	
	5	70-3723042-02	1	Bushing	
	6	1523-3724890	1	Harness	
	7	1523-3724895	1	Harness	
	8		1	Electronic box R917004743	
	9		4	Screw B. M4-6gx20.58.019 ГОСТ 17474-80	
	10		1	Control panel 0538201611	
	11		6	Washer 6T OCT 37.001.115-75	
	12		4	Washer C6 .01.019 ГОСТ 6958-78	
	13	P50-4616023	2	Bushing	
	14		2	Bolt M6-6gx35.88.019 ГОСТ 7798-70	
	15		4	Nut M3-6H.6.019 ГОСТ 5927-70	
	16		4	Washer 3T OCT 37.001115-75	
	17		4	Washer C3.01.019 ГОСТ 11371-78	
	18		4	Screw B. M3-6gx16.59.019 ГОСТ 17473-80	
	19		2	Bolt M8-6gx35.88.35.019 ГОСТ 7796-70	
	20		2	Washer 8T OCT 37.001.115-75	
	21	1221-8700022	8	Clip	
	22	1321-8700019-01	3	Clip	
	23	1321-8700019-02	1	Clip	
	24		4	Bolt M6-6gx12.88.35.019 ГОСТ 7798-70	
	25		2	Nut M8-6H.6.019 ГОСТ 5915-70	

400

Group 87

Subgroup 8700. DL, FDA and front PTO shaft control

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
138	1	50-1702048	10	Adjusting gasket	Max. quantity
	2		1	Switch BK 12-51 TY PB 37334210.004-97	
	3	1222-8700021	1	Pipe	
	4	1221-3724840-B	1	Harness	
	5	80-3723045-01	4	Collar	
	6	1222-3724850	1	Harness	
	7	80-3723045	25	Collar	
	8	1522-3724830-Д	1	Harness	
	9		4	Washer 8T OCT 37.001.115-75	
	10		2	Bolt M8-6gx16.88.35.019 ГОСТ 7796-70	
	11	70-3723042-01	1	Bushing	
	12	1221-8700022	2	Clip	
	13	1522-3724820-E	1	Harness	
	14	1522-8700212	2	Clamp	
	15		2	Switch BK12-1 ЦИКС 642 241.001 ТУ	
	16		3	Control lamp 12.3803-31 ТУ PB 300228919.037-2002 or 2202.3803-34 ТУ 37.003.1109-82	
	17		6	Washer 6T OCT 37.001.115-75	
	18		6	Nut M6-6H.6.019 ГОСТ 5915-70	
	19		8	Relay 90.3747 ТУ 37.003.1418-94	
	20	1522-8700221-A	1	Bracket	
	21	1522-8700222	1	Bushing	
	22		4	Washer 5T OCT 37.001.115-75	
	23	1321-8700019	1	Clip	
	24	ПП-32-01	1	Seal	
	25		1	Ring 006-010-25-1-4 ГОСТ 18829-73/ГОСТ 9833-73	
	26		1	Fuse block БП-1 ТУ PB 03428193.095-97	
	27	80-3805065	1	Screw	
	28	822-3801341	1	Board	
	29	80-3724410-06	1	Cable	
	30		4	Screw B. M6-6gx20.58.019 ГОСТ 17474-80	
	31	1522-8700221	2	Bracket	
	32		6	Screw B. M6-6gx16.58.019 ГОСТ 17473-80	
	33	2522-8700215	1	Panel	

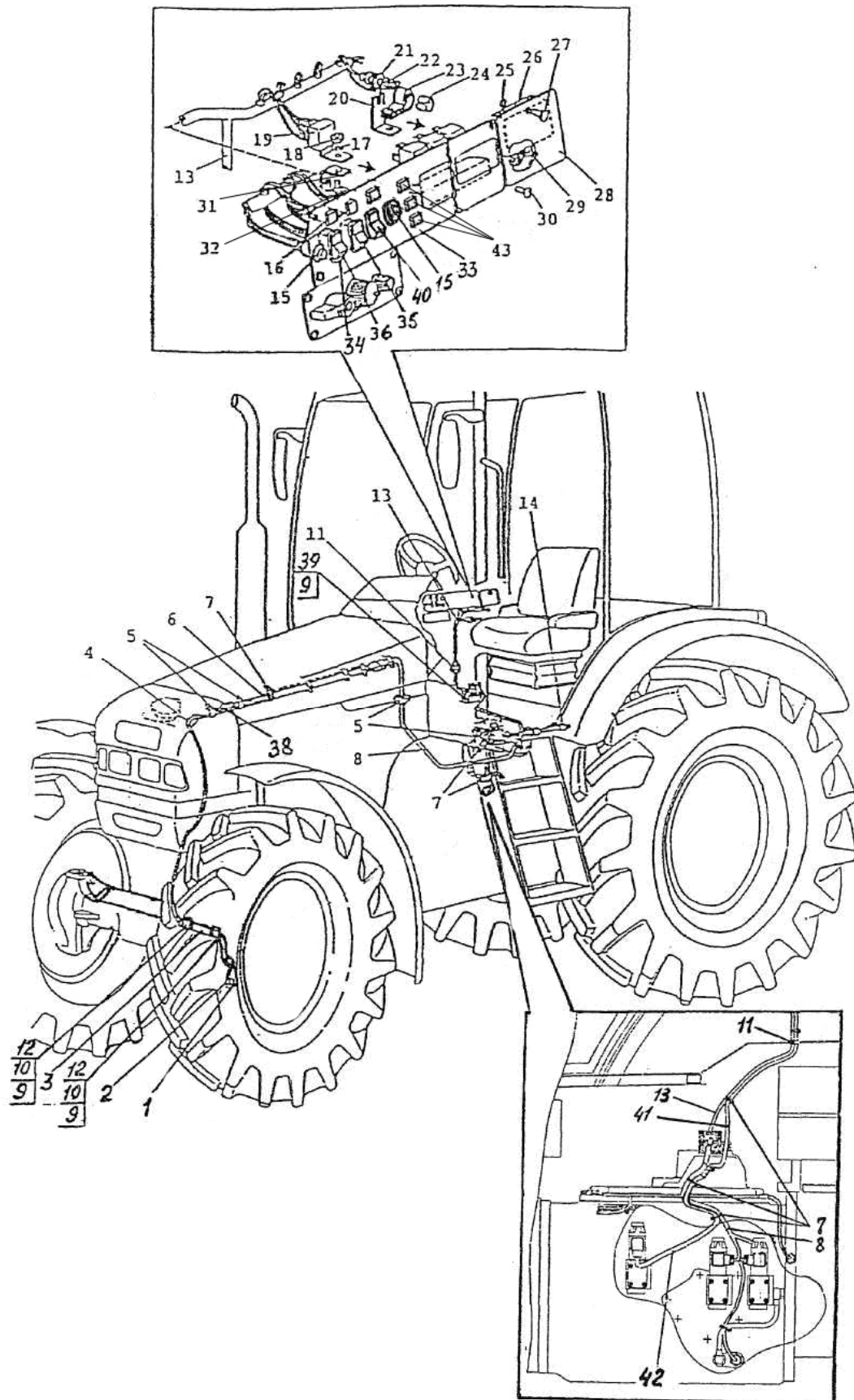


Fig. 138 DL, FDA and front PTO shaft control

Group 87

Subgroup 8700. DL, FDA and front PTO shaft control

Fig. No.	Pos. No.	Indication	Q-ty	Designation	Note
138	34	80-3801021	3	Switch connector	
	35		1	Change-over switch П150М-06.14 ТУ ПБ 14795799.001-97 or П150-06.17 ТУ 37.003.701-75	
	36		1	Change-over switch П147М-06.49 ТУ ПБ 14795799.001-97 or П147-06.49 ТУ 37.003.701-75	
	38		1	Female receptacle 602602 ОСТ 37.003.032-88	
	39		2	Bolt M8-6gx14.88.35.019 ГОСТ 7798-70	
	40	1523-3724940 1523-3724950-Д	1	Change-over switch П147М-01.17 ТУ ПБ 14795799.001-97 or П147-01.17 ТУ 37.003.701-75	
	41		1	Harness	
	42		1	Harness	
	43		3	Control lamp 12.3803-41 ТУ ПБ 300228919.037-2002	