
BELARUS 510/510.1/ 512/512.2/ 520/522

510-0000010 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 510/510.1/512/512.1/520/522, equipped with diesel engines D-244 (41.9 kW)/D-242 (45.6 kW). 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. All changes related to tractor design development are represented in respective information sheets.

HOW TO USE THE CATALOGUE

Catalogue includes tractor assembly units and parts.

Assembly units and parts are divided into groups and subgroups according to functional attribute. This directory is well illustrated with axonometric figures of knocked-down tractor components. All parts in the figures have sequence numbers (figure numbers). For ease of catalogue reference in search for necessary part the same sequence numbers are placed in column "Pos. No." in the text part of the catalogue in ascending order from top downward. The figures referred to in the catalogue are well-done in the terms of art and let the user get acquainted with structure and configuration of parts and assembly units. They can serve as a manual for carrying out disassembling and assembling operations.

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

"...240-1004100-A 4 Connecting rod (13,20,21,37-39)".

It means that assembly unit "Connecting rod" in the number of 4 pieces per diesel engine consists of the following parts: bushing (pos. 21), connecting rod (pos. 20), connecting-rod bolt (pos. 13), connecting-rod cap (pos. 39), washer (pos. 38) and nut (pos. 37). "Quantity" column gives number of assembly units and parts used in this subgroup (1004) per tractor.

Conventional seven-digit system of assembly unit and parts 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.

For example, parts "240-1104300-01 (1st cylinder tube) and "240-1104300-02 (2nd cylinder tube)" have different structural variations and **are not interchangeable**.

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

Minsk Motor Works materials included into this catalogue are represented with the use of indent system. The largest assembly unit is indicated in the first line and then constituent parts are specified, e.g.:

Designation

1 2 3 4 5 6 7

Constituent part

Fastening part

Assembly units of constituent part

Fastening parts of assembly unit

Subdivision

Fastening parts

etc.

Digits 1 2 3 4 5 6 7 indicate that assembly units and parts belong to the products and serve for their finding. Fastening parts are indicated directly under the product (assembly unit), for fastening which they are used. They are indicated before the constituent parts of the product. Fastening parts are indicated in the same column, where the product that is fastened by these parts is indicated, under the title "Fastening parts".

PURPOSE

BELARUS 510/510.1/512/512.1/520/522 tractors are designed for various agricultural operations with use of mounted, semi-mounted and trailed machines and implements, for loading and unloading operations, hauling operations, in plant-growing, stock breeding and horticulture, and are supplied to customers in the Republic of Belarus and abroad.

Distinctive features of tractor models are given in Table 1.

Table 1

Tractor model	Diesel engine model; rated power, kW	Wheel arrangement	Distinctive features
BELARUS -510	D-244; 41,9	4x2	Front axle, sun-protective tent
BELARUS -510.1		4x2	Diesel engine with pneumatic compressor, front axle, sun-protective tent
BELARUS -512		4x4	Front driving axle (72), sun-protective tent
BELARUS -512.1		4x4	Diesel engine with pneumatic compressor, front driving axle, sun-protective tent
BELARUS -520	D-242; 45,6	4x2	Front axle, sun-protective tent
BELARUS -522		4x4	Front driving axle (72), sun-protective tent

BELARUS 510/510.1/512/512.1/520/522 tractors and their modifications are universal tractors of 1.4 (1.4 kN) drawbar category.

Clutch coupling: friction spring-loaded, single-disk.

Gearbox: mechanical.

Rear axle: with axle drive, differential and final drives.

Front driving axle (FDA): with axle drive, self-locking differential, final drives. Front driving axle drive: transfer gearbox with automatic FDA engagement, two cardan shafts and intermediate bearing with overload release clutch.

Steering: hydromechanical with hydraulic booster

Brakes: service brakes – disc, on pinion gear shafts of the hub drives; parking brake – using service brakes with stand-alone manual control; trailer brakes drive – pneumatic, interlocked with tractor brake control.

Hydraulic lift linkage: remote-cylinder, with draft (position) control unit, providing draft, position and depth control of agricultural implements. The system has 3 pairs of independent outlets.

Rear hitch linkage: NU 2 under GOST 10677 with adjustable right brace.

Rear power-take-off (PTO): separate single-speed (540 rpm) and ground-speed. The tractor should be equipped with the following working equipment: rear power-take off – 1c PTO drive end (8 teeth) under GOST 3480, remote-cylinder hydraulic system, rear hitch linkage NU-2 under GOST 10677, towing-hooking device TSU-1-Zh under GOST 3481.

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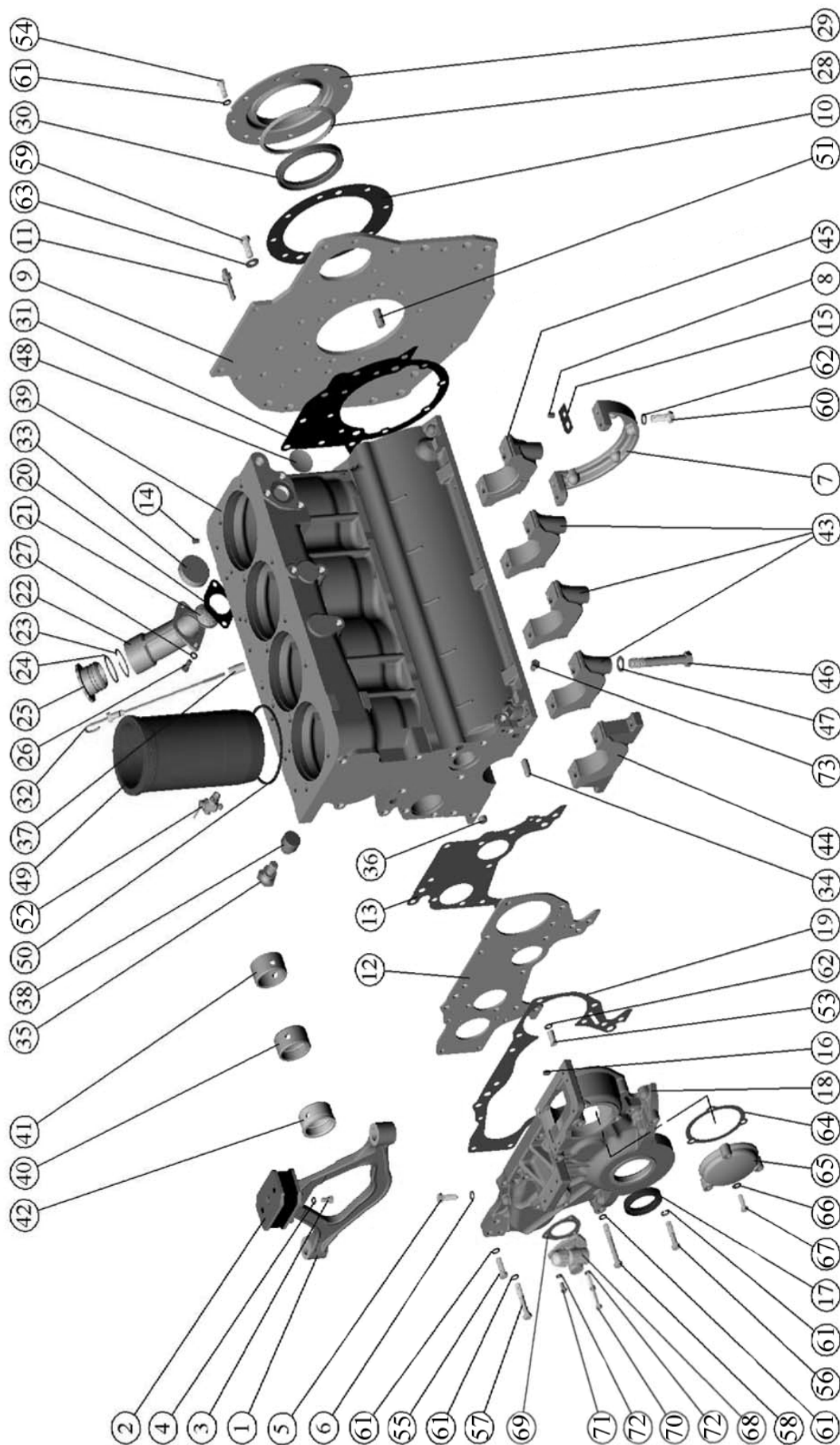


Fig. 1. Front support installation. Cylinder block. Drive and meter installation

GROUP 10 DIESEL ENGINE MECHANISMS**Subgroup 1001. Front support installation Subgroup 1002 Cylinder block****Subgroup 3802 Drive and meter installation**

Pos. No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
	240-1001000-A	Front support installation (D-242)						
	240-1001000-A-01	Front support installation (D-244)						
	240-1001010-A	Front engine support (D-242)						1
	240-1001010-A-01	Front engine support (Д-244)						1
1	240-1001015-A1	Front engine support						1
2	240-1001025	Shock absorber with stop plate						1
3	M8-6gX16	Bolt						4
4	8 65Г 06	Washer						4
5	M10-6gX30	Bolt						2
6	10 65Г 06	Washer						2
	240-1002000-B-13	Cylinder block (D-242)						
	240-1002000-B-37	Cylinder block (D-244)						
	50-1002040-B	Oil crankcase support						1
7	50-1002042-B	Oil crankcase support						1
8	240-1002044	Pin						2
9	50-1002313-B	Back plate						1
10	50-1002316-A2	Gasket of oil- seal housing						1
11	50-1002340	Clamper						1
12	240-1002030	Distribution shield						1
13	240-1002033	Distribution shield gasket						1
14	240-1002046	Pin						2
15	240-1002049	Gasket						2
	240-1002060-A	Distribution cover						1
16	240-1002044	Pin						2
17	240-1002055	Collar						1
18	240-1002065-A2	Distribution cover						1
19	240-1002064-A	Distribution cover gasket						1
	240-1002080-A	Neck installation						1
20	240-1002082-A1	Neck gasket						1
21	240-1002085	Screen						1
	240-1002115	Neck						1
22	240-1002088-B	Pipe						1
23	A19.01.003	Spring ring						1
	A19.01.100	Cover						1
24	042-048-30-2-1	Ring						1
25	A19.01.001	Plug						1
26	M8-6gX20	Bolt						2
27	8 65Г 06	Washer						2
	240-1002310	Seal						1
	240-1002300	Oil-seal housing with ring						1
28	240-1002311	Oil thrower ring						1
29	240-1002315	Oil-seal housing						1
30	240-1002305	Collar						1
31	240-1002314	Back plate gasket						1
32	240-1002320-B	Oil gauge						1
33	240-1002328	Blind plug						2
	240-1002010-B1-04	Cylinder block (D-242)						1

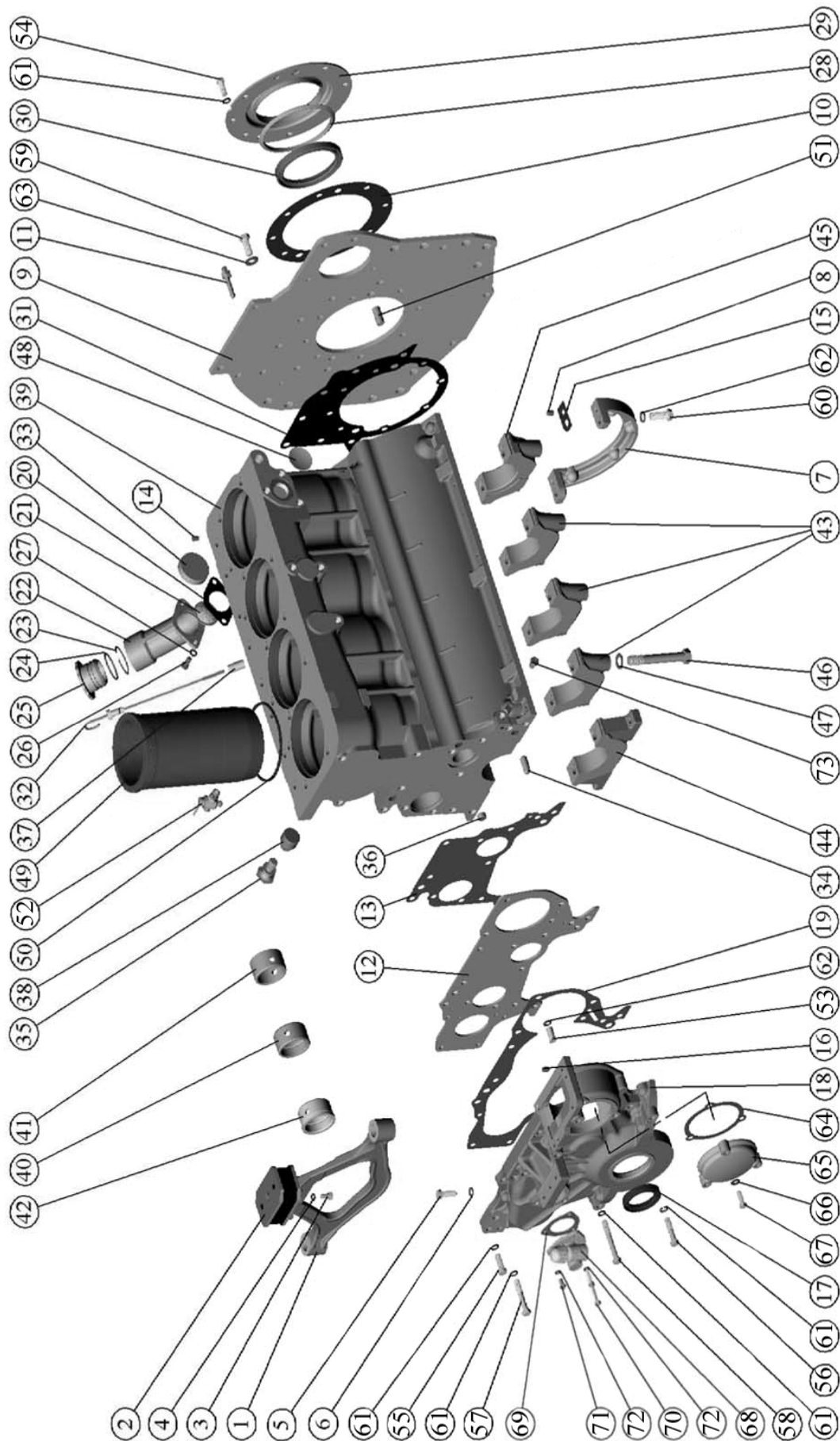


Fig.1. Front support installation. Cylinder block. Drive and meter installation

Subgroup 1001. Front support installation Subgroup 1002 Cylinder block
Subgroup 3802 Drive and meter installation

Pos. No.	Assembly unit, part indication.	Designation							Q-ty in group
		1	2	3	4	5	6		
	240-1002010-B1-05	Cylinder block (D-244)							1
34	50-1002034	Locating pin							2
35	50-1002318-B	Eye bolt							2
36	50-1002326-B	Blind plug							2
37	240-1002323-B	Pipe (D-242)							1
37	240-1002323-B-01	Pipe (D-244)							1
	245-1002009	Cylinder block							1
38	50-1002327-A	Plug							1
39	240-1002015-A2	Cylinder block							1
40	240-1002067-A	Bushing							1
41	240-1002068-A	Rear bushing							1
42	240-1002069-A	Front bushing							1
	50-1005140 KT	Main bearing cap set							1
43	50-1005140-B	Main bearing cap							3
44	50-1005141-B	1 st main bearing cap							1
45	50-1005152-B	5 th main bearing cap							1
46	50-1005159-B1	Main bearing cap bolt							10
47	50-1005161	Washer							10
48	45-08КП.Ц9.Xp	Blind plug							1
49	245-1002021-A1	Cylinder block liner							4
50	50-1002022	Liner ring							8
51	50-1005019	Pin							2
52	ПC7-0	Cock							1
53	M10-6gX20	Bolt							4
54	M10-6gX25	Bolt							9
55	M10-6gX30	Bolt							1
56	M10-6gX45	Bolt							2
57	M10-6gX60	Bolt							1
58	M10-6gX75	Bolt							2
59	M12-6gX30	Bolt							7
60	M12-6gX35	Bolt							2
61	10 65Г 06	Washer							19
62	12 65Г 06	Washer							2
63	12 OT 65Г 06	Washer							7
	245-1006310-B-05	Fuel pump drive group							
64	240-1002038	Hatch gasket							1
65	245-1002036	Hatch cover							1
66	M8-6gX30	O-ring							3
67	240-3802000-A-05	Bolt							3
	240-3802000-A-03	Drive and meter installation (D-242)							
	240-3802000-A-04	Drive and meter installation (D-244)							
68	ПТ-3802010-A-50	Tachospeedometer drive (D-242)							1
68	ПТ-3802010-A-40	Tachospeedometer drive (D-244)							1
69	50-1021012	Gasket							1
70	240-3802005	Special-type bolt							1
71	M6-6gx16	Bolt							2
72	6 65Г 06	Washer							3
73	КТ 1/8"	Plug (D-244)							1

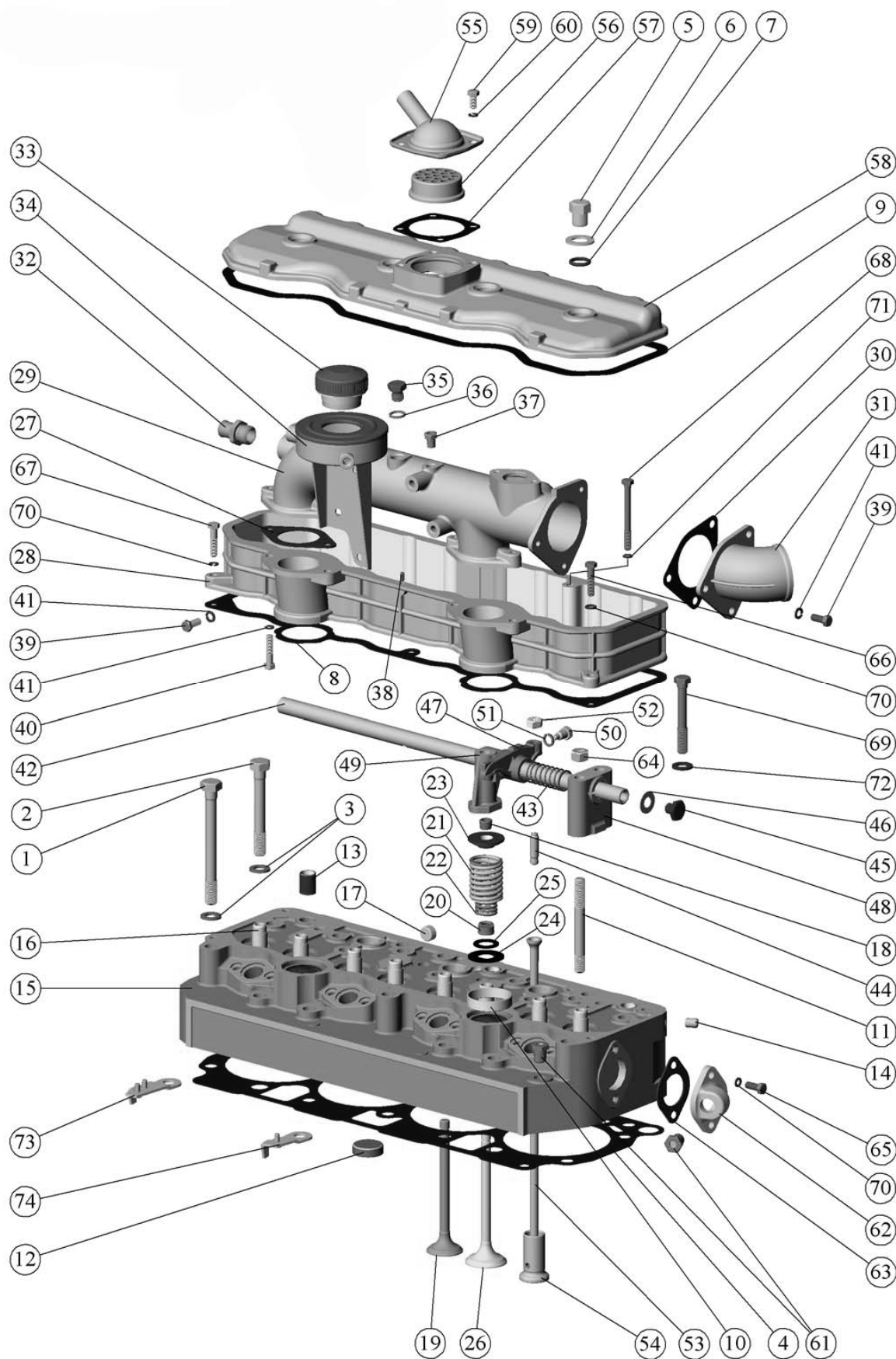


Fig.2. Installation of cylinder head and inlet line (for engines D-242)

Subgroup 1003, 1007 Installation of cylinder head and inlet line (for D-242)

Pos. No.	Assembly unit, part indication.	Designation							Q-ty in group
		1	2	3	4	5	6		
	240-1003010-A	Cylinder head installation							1
1	240-1002047	Bolt							12
2	240-1002047-01	Bolt							4
3	48-1002318	Washer							16
4	50-1003070-A (or A3)	Cylinder-head gasket							1
5	50-1003104-A	Cap nut							4
6	50-1003106	Washer							4
7	50-1003107-A	Ring							4
8	240-1003108	Cylinder head cover gasket							1
9	240-1003109	Gasket of cylinder head cover cap							1
	240-1003011	Cylinder head							1
10	50-1003103-A	Sleeve							2
11	50-1003112	Support stud							4
	240-1003013-A2-06	Cylinder head							1
12	240-1003027-A2	Blind plug							5
13	240-1003029	Bushing							6
14	240-1003037	Blind plug							1
15	240-1003015-A1	Cylinder head							1
16	245-1007032	Valve guiding bushing							8
17	Д02-003-A	Blind plug							4
18	50-1007053-A2	Valve cotter							16
19	240-1007015-B6(or B7,or B9)	Emission valve							4
20	240-1007020	Valve sealing collar							8
21	240-1007045-A3 (or A8, or A9, or A10)	Outer valve spring							8
22	240-1007046-A3 (or A5)	Inner valve spring							8
23	240-1007048	Valve spring disk							8
24	240-1007054	Lower washer of valve spring							8
25	240-1007055	Upper washer of valve spring							8
26	240-1007014-B7(or B4,or B9)	Inlet valve							4
	240-1003030-A	Cylinder head cover							1
27	240-1003031	Gasket							2
28	240-1003032-A	Cylinder head cover							1
29	240-1003033-14	Intake manifold							1
30	240-1003264-A	Gasket							1
31	243-1109210	Pipe							1
32	242-3509213	Fitting							1
	242-3707220-A	Tank with plug							1
33	240-3707200	Plug							1
34	242-3707140-A	Tank							1
35	50-1117028	Threaded plug							1
36	Д18-055-A	O-ring							1
37	КТ 1/8". А12.016	Plug							1
38	2.5X10	Pin							2
39	M8-6gX20	Bolt							5
40	M8-6gX35	Bolt							4
41	8 65Г 06	Washer							9
	240-1007100-B1	Rocker arm mechanism							1
42	50-1007102-A1	Rocker arm shaft							1

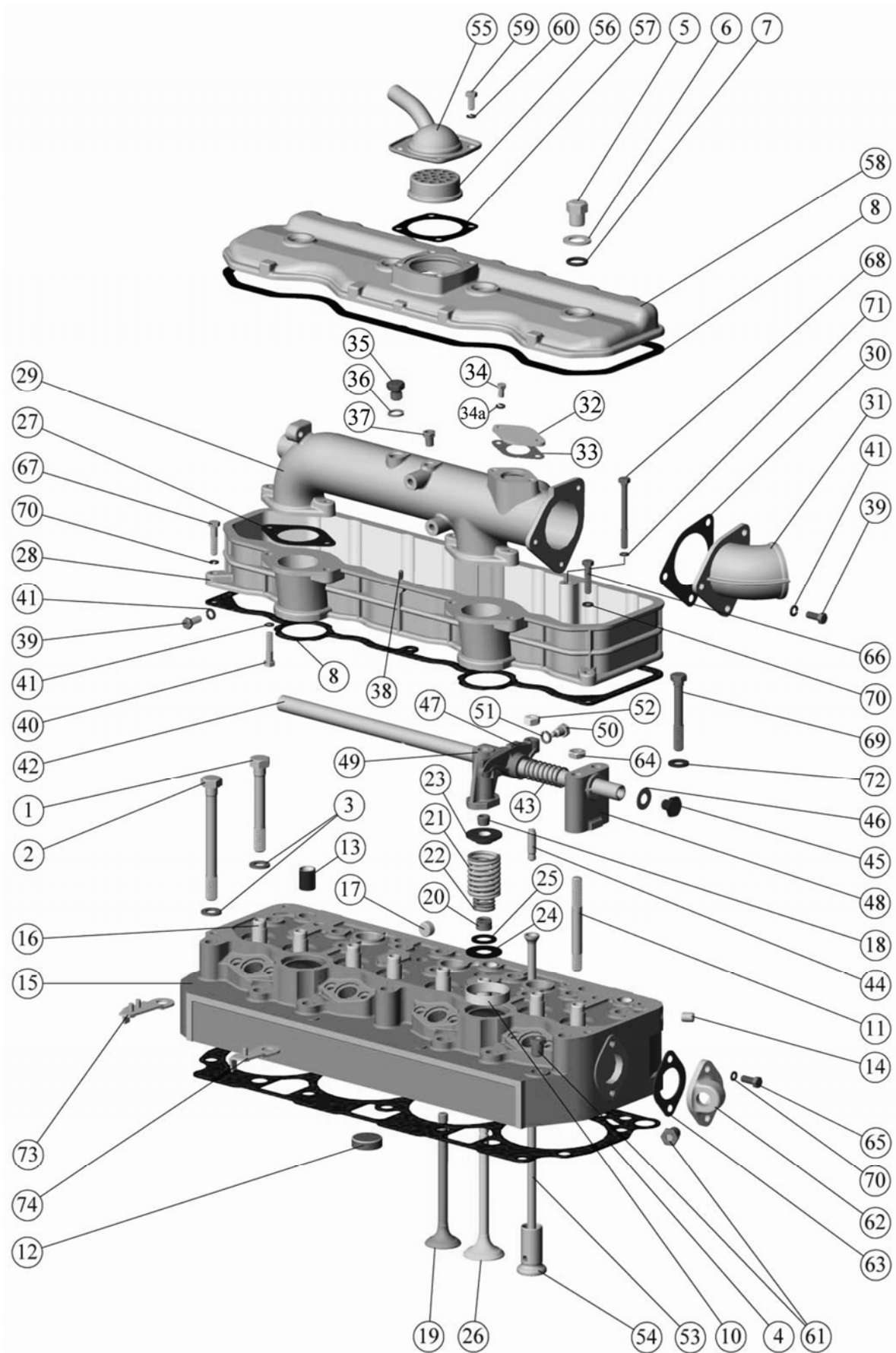


Fig.3. Installation of cylinder head and inlet line (for engines D-244)

Subgroups 1003, 1007 Installation of cylinder head and inlet line (for D-244)

Pos. No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
	240-1003010-A-23	Cylinder head installation						1
1	240-1002047	Bolt						12
2	240-1002047-01	Bolt						4
3	48-1002318	Washer						16
4	50-1003070-A (или А3)	Cylinder head gasket						1
5	50-1003104-A	Cap nut						4
6	50-1003106-01	Washer						4
7	50-1003107-A-01	Ring						4
8	240-1003108	Cylinder head cover gasket						1
9	240-1003109	Gasket of cylinder head cover cap						1
		Cylinder head						
	240-1003011	Sleeve						1
10	50-1003103-A	Support stud						2
11	50-1003112	Cylinder head						4
	240-1003013-A2-06	Blind plug						1
12	240-1003027-A2	Bushing						5
13	240-1003029	Blind plug						6
14	240-1003037	Cylinder head						1
15	240-1003015-A1	Valve guiding bushing						1
16	245-1007032	Blind plug						8
17	Д02-003-A	Valve cotter						4
18	50-1007053-A2	Emission valve						16
19	240-1007015-Б6(илиБ7,илиБ9)	Valve sealing collar						4
20	240-1007020	Outer valve spring						8
21	240-1007045-A3 (или А8, или А9, или А10)	Inner valve spring						8
22	240-1007046-A3 (или А5)	Valve spring disk						8
23	240-1007048	Lower washer of valve spring						8
24	240-1007054	Upper washer of valve spring						8
25	240-1007055	Inlet valve						8
26	240-1007014-Б7 (или Б4, или Б9)	Cylinder head cover						4
	240-1003030-A-07	Gasket						1
27	240-1003031	Cylinder head cover						2
28	240-1003032-A	Intake manifold						1
29	240-1003033-16	Gasket						1
30	240-1003264-A	Pipe						1
31	243-1109210	Blind plug						1
32	240-1003034-01	Gasket						1
33	240-3707115-A1	Bolt						1
34	M6-6gX16	Washer						2
34a	6 65Г 06	Threaded plug						2
35	50-1117028	O-ring						1
36	Д18-055-A	Plug						1
37	КГ 3/8"	Pin						1
38	2.5X10	Bolt						2
39	M8-6gX20	Bolt						3
40	M8-6gX35							4

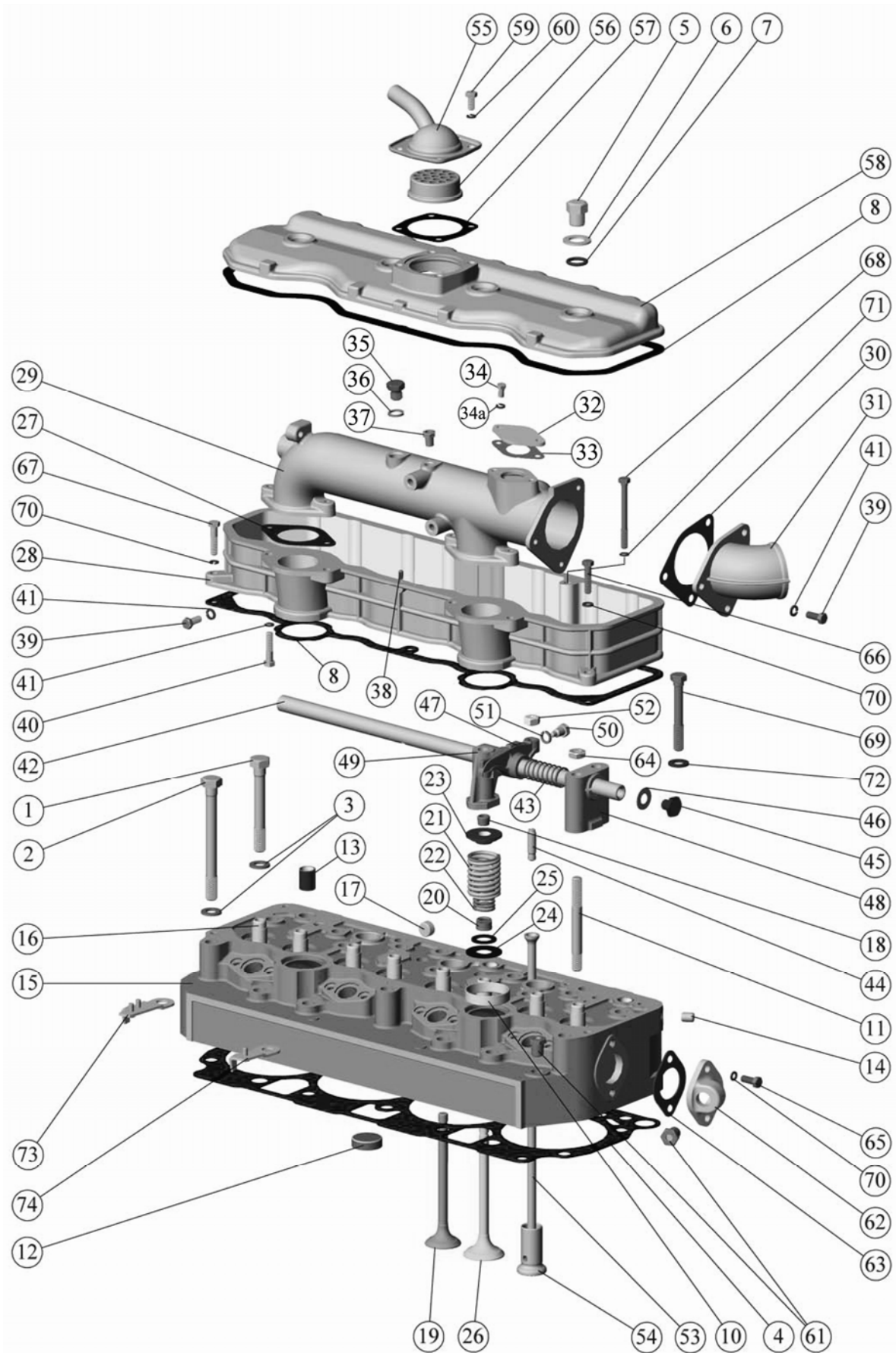


Fig.3. Installation of cylinder head and inlet line (for engines D-244)

Subgroups 1003, 1007 Installation of cylinder head and inlet line (for D-244)

Pos. No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
41	8 65Г 06						Washer	7
	240-1007100-Б1						Rocker arm mechanism	1
42	50-1007102-А1						Rocker arm shaft	1
43	50-1007103-А						Rocker arm shaft spring	3
44	50-1007175-Б1						Adjusting screw	8
45	50-1007182						Rocker arm shaft plug	2
46	50-1007183						Plug washer	2
47	50-1007212-А4						Valve rocker arm with bushing	8
48	240-1007151-Б						Outer rocker arm shaft bracket	1
	240-1007151-Б-01						Outer rocker arm shaft bracket	1
49	240-1007152-Б						Middle rocker arm shaft bracket	1
	240-1007152-Б-01						Middle rocker arm shaft bracket	1
50	240-1007185						Rocker arm shaft detent	1
51	10 65Г 06						Washer	1
52	Д02-063						Nut	8
53	240-1007310-Б1						Rod	8
54	240-1007375-А1 или А2						Valve lifter	8
	240-1002470						Breather installation	1
55	240-1002430-Г						Breather body	1
56	240-1002440						Filter	1
57	240-1002444-А1						Gasket	1
58	240-1003122-Б						Cover cap	1
59	M8-6gX16						Bolt	4
60	8 65Г 06						Washer	4
61	КГ 3/8". А12.016						Plug	2
62	70-8115022-А						Pipe	1
63	50-1015598						Junction pipe gasket	1
64	M12-6H						Nut	4
65	M8-6gX20						Bolt	2
66	M8-6gX30						Bolt	1
67	M8-6gX35						Bolt	2
68	M8-6gX80						Bolt	1
	(или 240-1022070-03)							
69	M12-6gX85						Bolt	2
70	8 65Г 06						Washer	5
71	8.01.08КП						Washer	1
72	12.01.08КП						Washer	2
73	240-1111115-А-01						Bracket	1
74	240-1111125-А1-01						Bracket	1

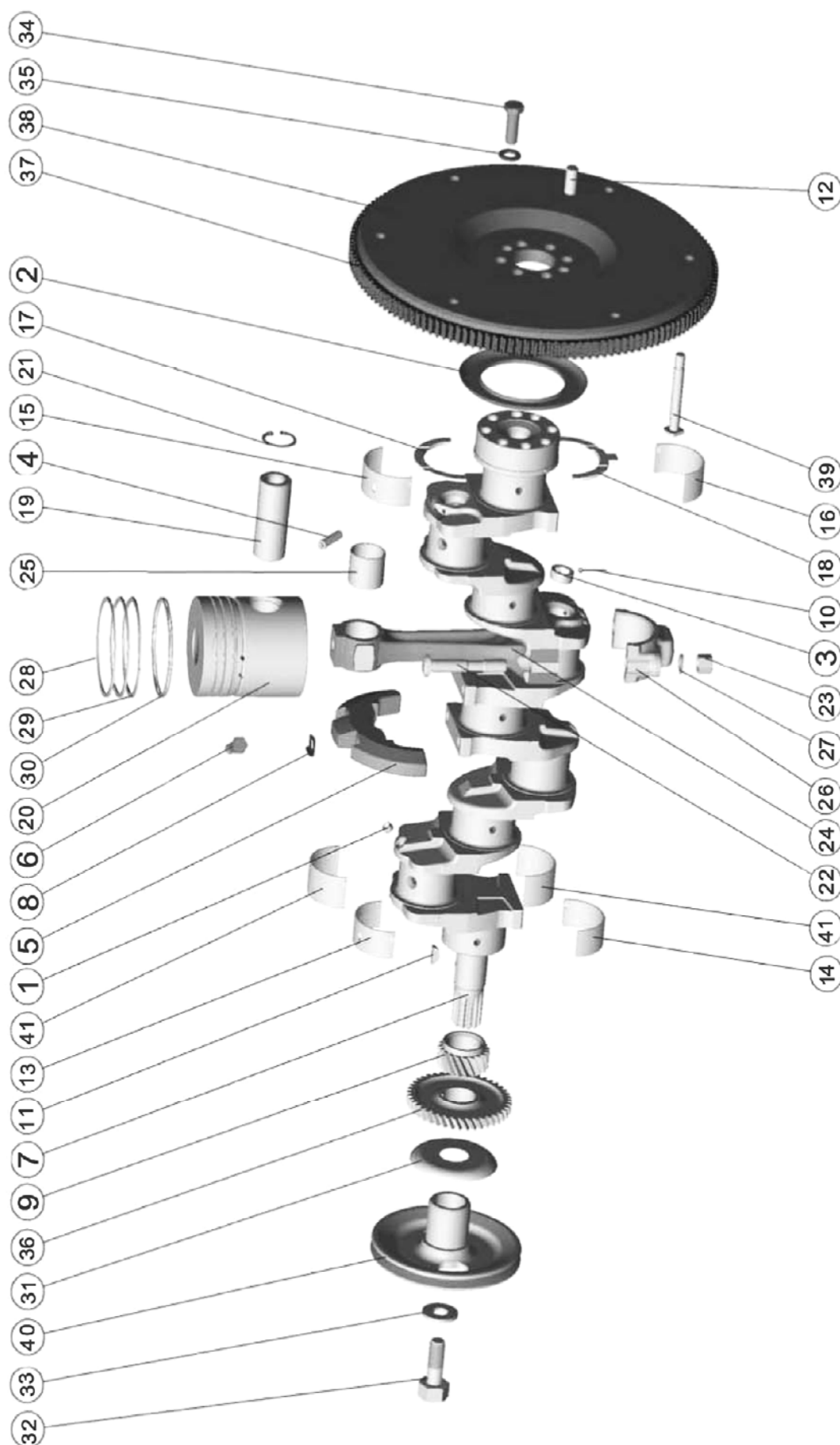


Fig.4. Pistons and connecting rods. Crankshaft. Flywheel

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

Pos. No.	Assembly unit, part indication.	Designation							Q-ty in group
		1	2	3	4	5	6		
1	242-1005015	Crankshaft							5
2	50-1005021-A	Blind plug							1
3	50-1005043	Rear oil slinger of crankshaft							4
4	50-1005157-B	Blind plug							4
5	50-1005191-A	Crankshaft tube							4
6	240-1005014	Crankshaft (D-243)							1
7	240-1005017	Crankcase counterweight (D-243)							4
8	240-1005018	Counterweight mounting bolt (D-243)							8
9	240-1005020-B1	Crankshaft							1
10	240-1005024	Locking plate (D-243)							8
11	240-1005030-A1	Crankshaft timing gear							1
12	4X22	Cotter pin							4
13	6X9	Key							2
14	50-1005019	Pin							3
15	A23.01-81-240 Tc6H1 or A23.01-81-240CBACH1	Crankshaft bearing liner set							
16	A23.01-8116 or A23.01-81.037	Crankshaft bearing liner							4
17	A23.01-8117 or A23.01-81.038	Crankshaft bearing liner							4
18	A23.01-8118 or A23.01-81.040	Crankshaft bearing liner							1
19	A23.01-8119 or A23.01-81.039	Crankshaft bearing liner							1
20	A23.01-10401	Semi-ring							2
21	A23.01-10403	Semi-ring							2
22	240-1004010-A-18 or 240-1004010-A-19 or 240-1004010-A-20 or 240-1004010-A-21 or 240-1004010-A-22 or 240-1004010-A-23 or 240-1004010-A-24 or 240-1004010-A-25 or 240-1004010-A-26 or 240-1004010-A-27 or 240-1004010-A-28 or 240-1004010-A-29 or 240-1004010-A-30 or 240-1004010-A-31 or 240-1004010-A-32 or 240-1004010-A-33 or 240-1004010-A-34 or 240-1004010-A-35	Piston and rod group							4
23	50-1004042-A1	Piston pin							1
24	240-1004021-Д-03 or 240-1004021-Д or 240-1004021-Д-01	Piston							1

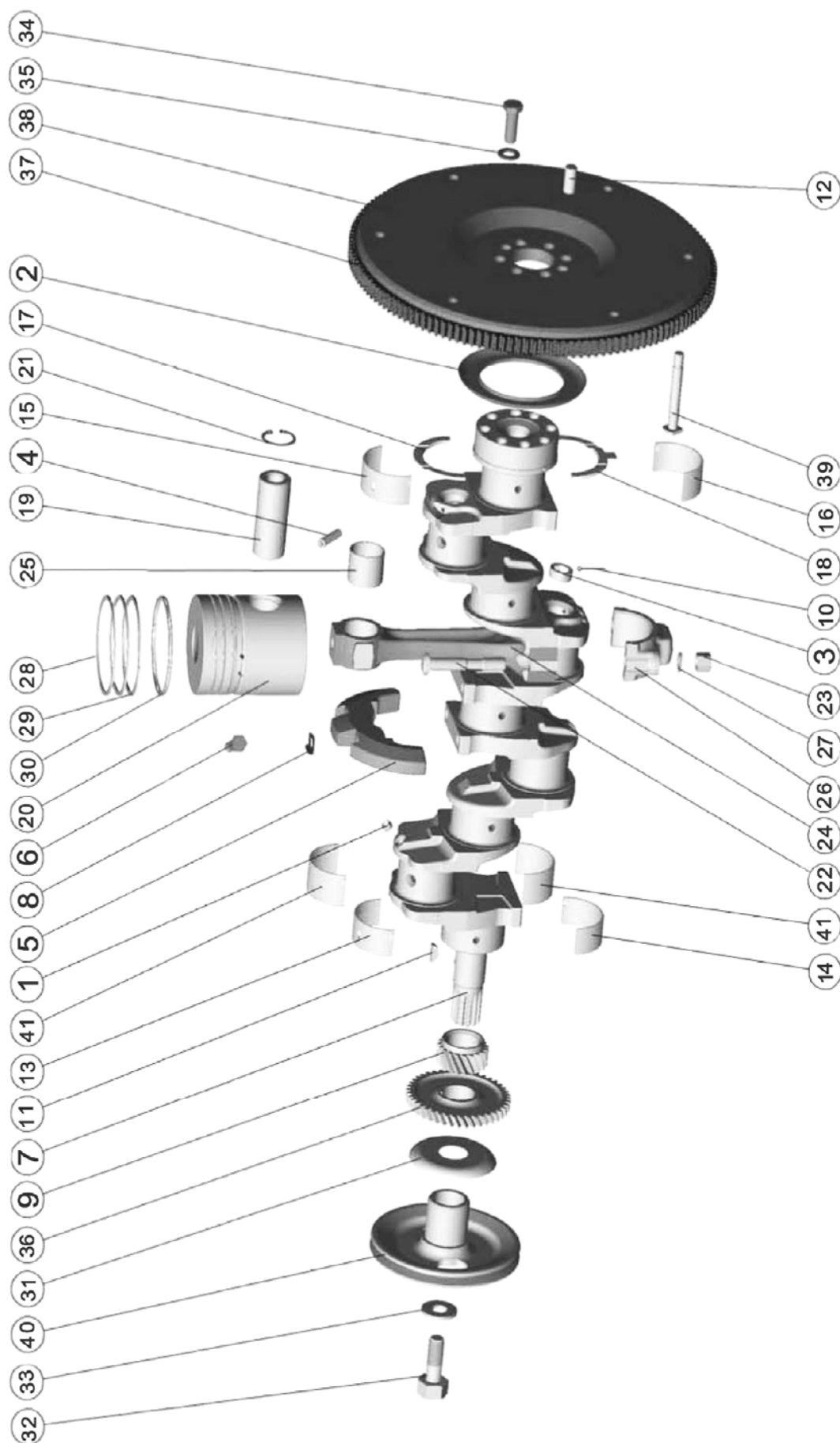


Fig.4. Pistons and connecting rods. Crankshaft. Flywheel

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

Pos. No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
21	or 240-1004021-Д-02 or 240-1004021-Д-04 or 240-1004021-Д-05 240-1004022 240-1004100							2 1
22	50-1004182-A1							2
23	50-1004188							2
24	240-1004112							1
25	240-1004115-A							1
26	240-1004125							1
27	245-1004190							2
28	CT240-1004062 or 240-1004062 or 14-110-30-02							1
29	CT260-1004063 or 260-1004063 or 30-110-25-02							1
30	CT260-1004080 or 260-1004080 or 64-110-50-02							1
31	50-1005042							1
32	50-1005054							1
33	50-1005055-A							1
34	50-1005127-A							7
35	48-1002318							7
36	240-1005033-A-01 or 240-1005033-01 240-1005115							1
37	240-1005114-A							1
38	50-1005121-A							1
39	240-1005120							1
40	240-1005122 240-1005131-Г							6 1
	A23.01-74-240 Тс6Н1 or A23.01-74-240 с6АСН1							1
41	A23.01-7403 or A23.01-74.014							8

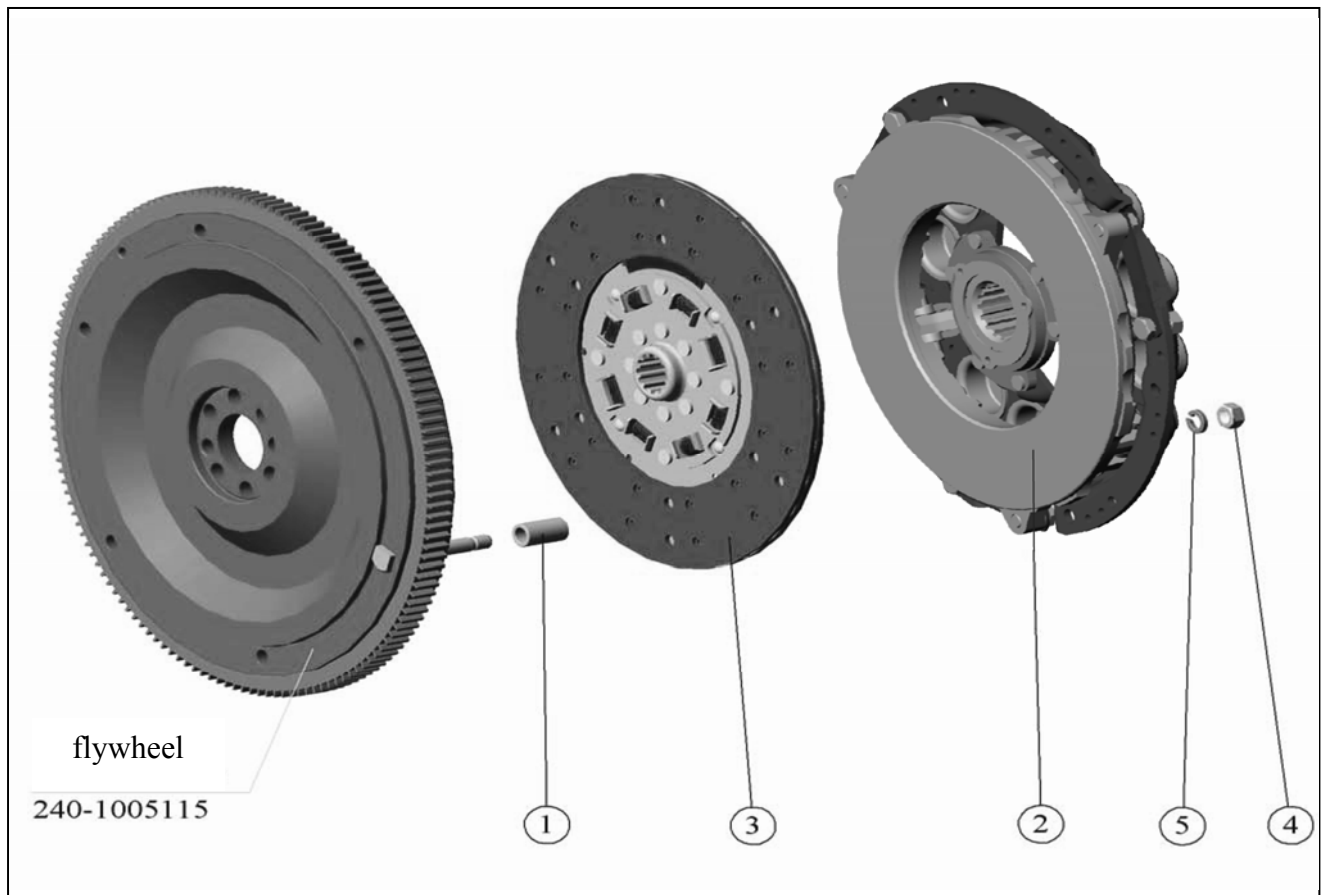


Fig.5. Clutch coupling installation

Subgroup 1005. Clutch coupling installation

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

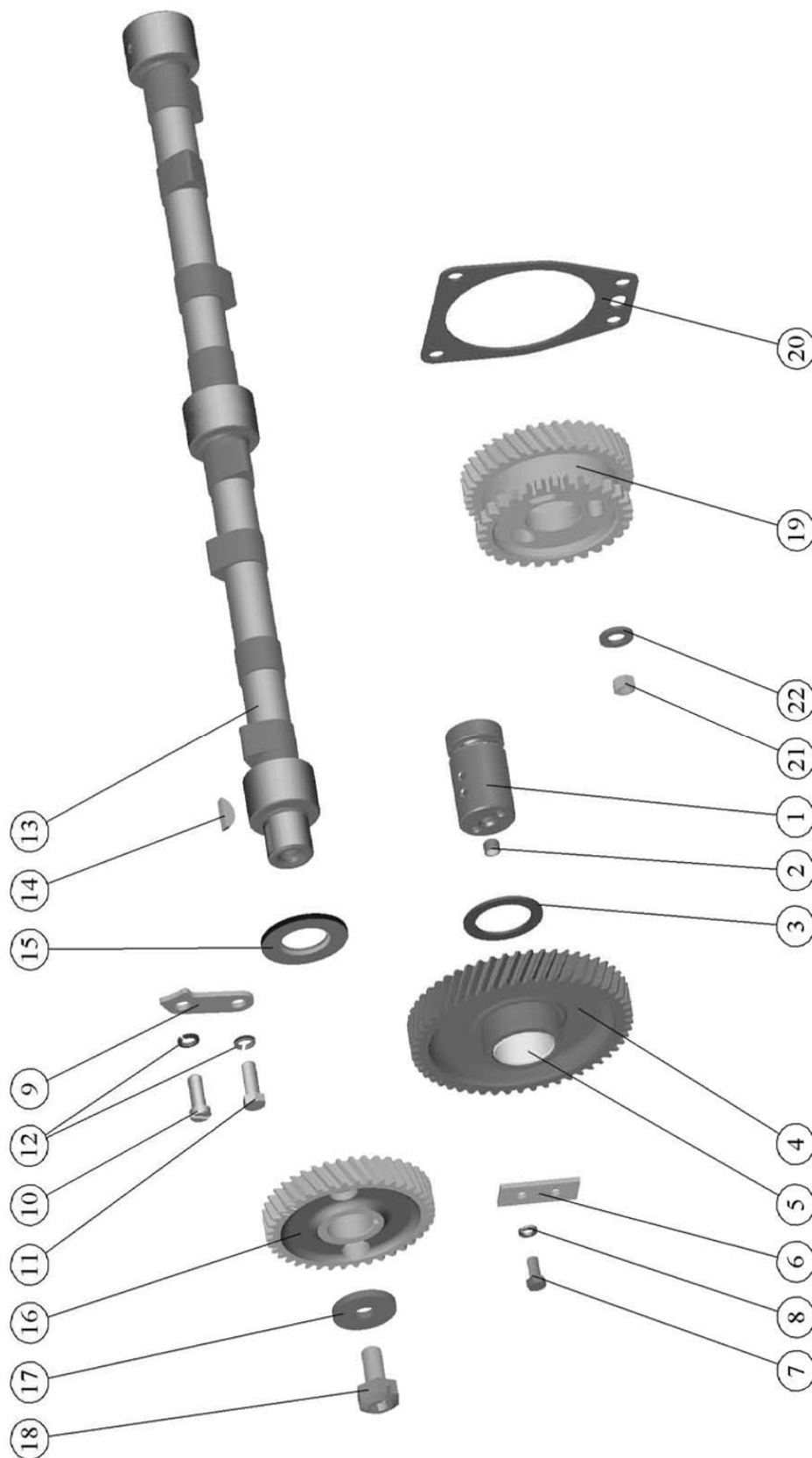


Fig.6. Distributing gear

Subgroup 1006. Distributing gear

Pos. No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	50-1006250-B						Idle pinion pin	1
	50-1006252-B1						Idle pinion pin	1
2	50-1005021-A						Blind plug	1
3	50-1006253						Thrust ring	1
	240-1006240-A1						Idle pinion with bushing	1
4	240-1006244-B						Idle pinion	1
5	240-1006246						Bushing	1
6	50-1006254						Plate	1
7	M8-6gx16						Bolt	2
8	8 65Г 06						Washer	2
9	50-1006021-B						Thrust washer	1
10	50-1006247						Special screw	1
11	M10-6gx30						Bolt	1
12	10 65Г 06						Washer	2
	240-1006010						Camshaft	1
13	240-1006015-A						Camshaft	1
14	6x9						Key	1
15	50-1006017-B						Washer	1
16	240-1006214-A1						Camshaft gear	1
17	50-1006018						Thrust washer of camshaft	1
18	245-1006020						Special bolt	1
19	245-1006311-B1						Fuel transfer pump drive gear	1
20	50-1006315-B4						Gasket	1
21	M10-6H.12.40X						Nut	3
22	260-1111208						Washer	3

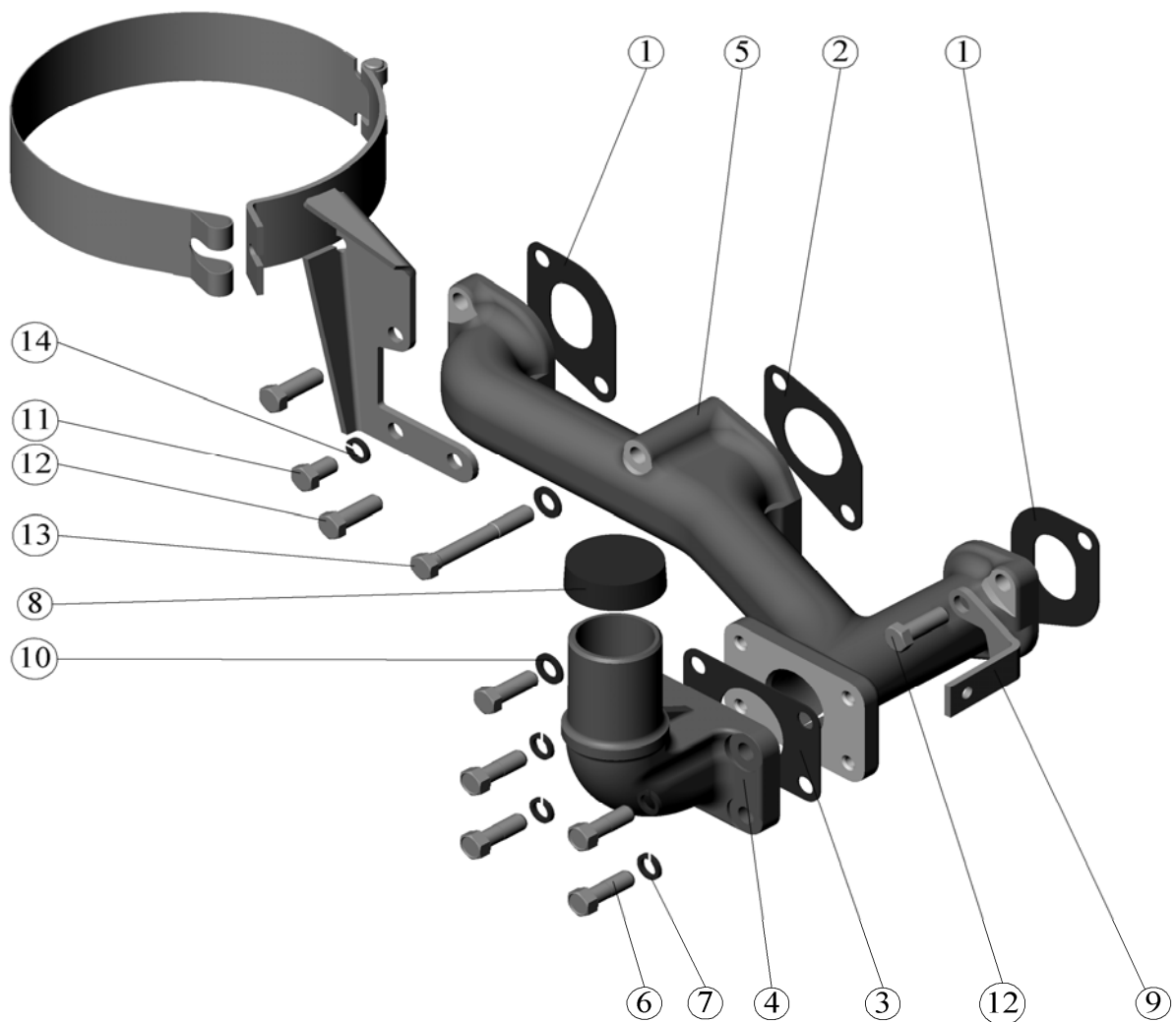


Fig.7. Exhaust manifold installation

Subgroup 1008. Exhaust manifold installation

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



Fig.8. Oil crankcase installation

Subgroup 1009. Oil crankcase installation

Pos. No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	245-1009000-Г	Oil crankcase installation						2
2	245-1009104	Plate						1
3	245-1009110-B	Oil crankcase						1
4	50-1401063-B1	Oil crankcase gasket						2
5	240-1401059-A1	Front seal						1
6	240-1401065-A1	Rear seal						1
7	M8-6gx25	Bolt						22
8	8T 65Г 06	Washer						22

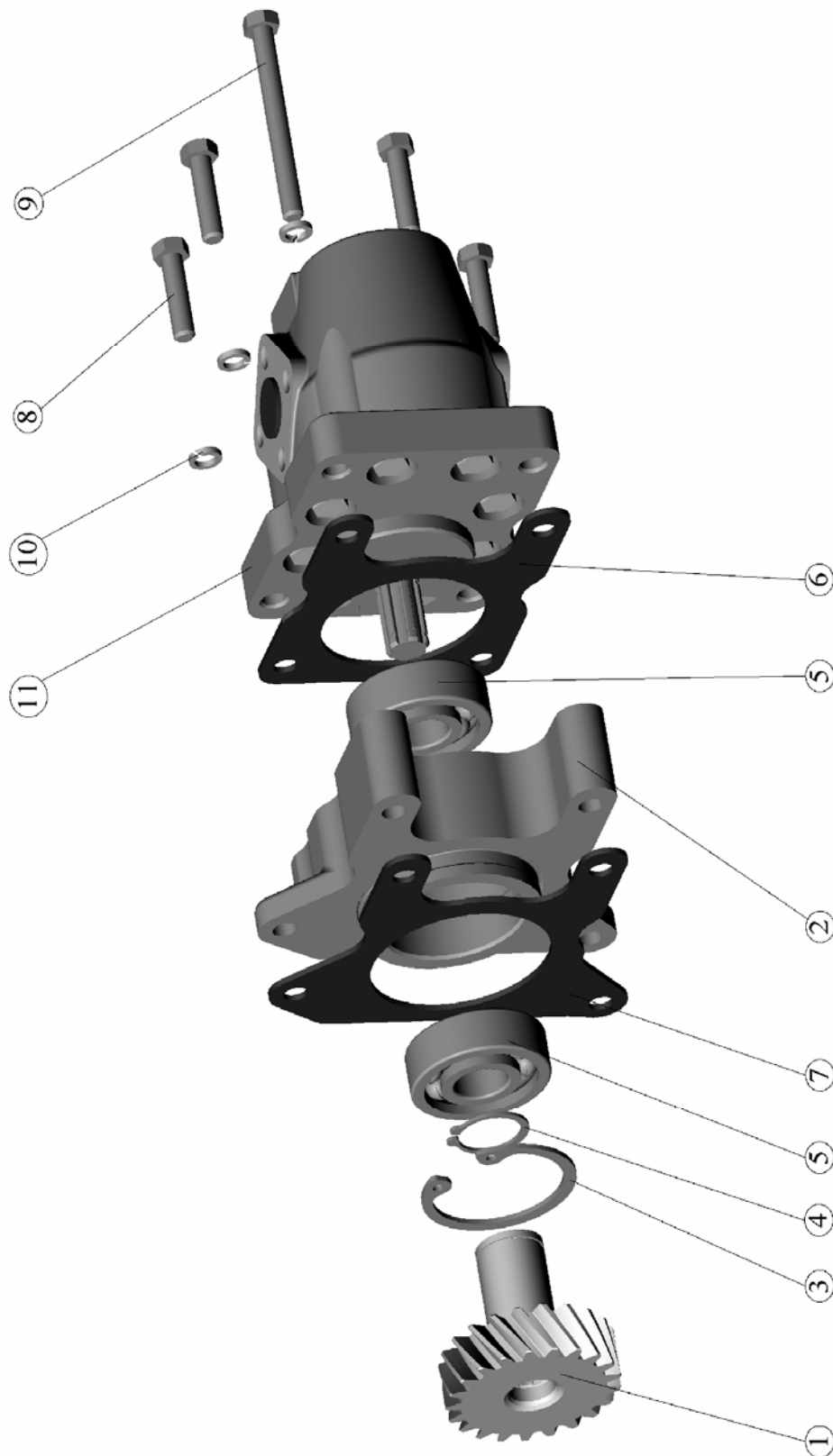


Fig.9. Gear-type pump installation

Subgroup 1022. Gear-type pump installation

Pos.No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1022040	Hydraulic pump installation						1
2	240-1022030	Hydraulic pump drive						1
3	240-1022061-Б	Hydraulic pump drive gear						1
4	240-1022069	Housing						1
5	240-1307064-01	Retainer ring						1
6	Ring B25	Ring						1
7	205K	Bearing						2
8	240-1022062	Gasket						1
9	240-1022075-A1	Gasket						1
10	M8-6gx30	Bolt						4
11	M8-6gx70	Bolt						1
12	8 65Г 06	Washer						5
13	III 10Ж-3-04Л or III 14, or III 16	Gear-type pump						1

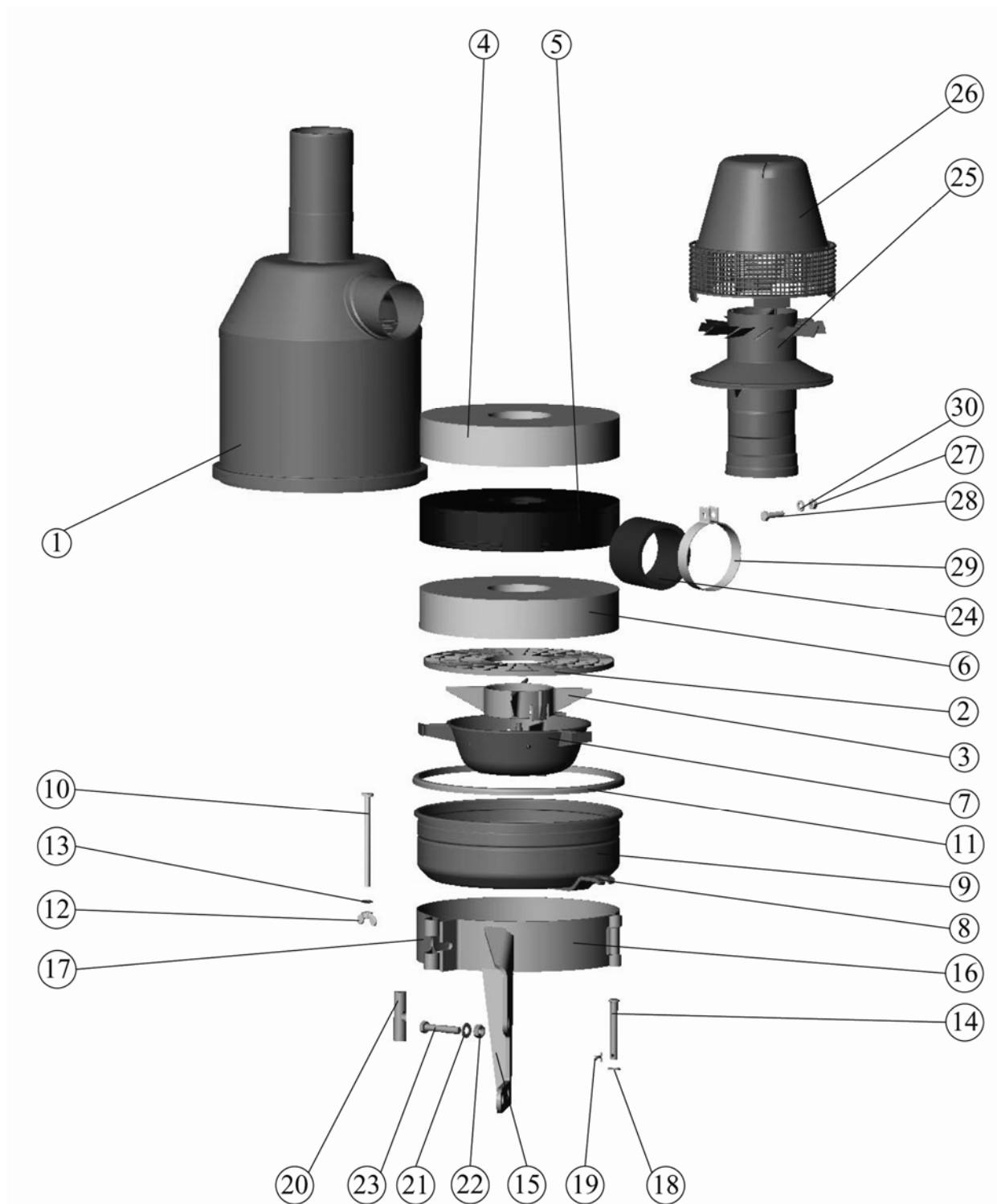


Fig.10. Air cleaner installation

GROUP 11 FEED SYSTEM
Subgroup 1109. Air cleaner installation

Pos.No.	Assembly unit, part indication.	Designation							Q-ty in group
		1	2	3	4	5	6		
	240-1109010-A-15	Air cleaner installation (D-242)							1
	240-1109010-A-16	Air cleaner installation (D-244)							1
	240-1109015-A-08	Air cleaner (D-242)							1
	240-1109015-A-09	Air cleaner (D-244)							1
1	240-1109035-A2-09	Air cleaner housing							1
2	240-1109095	Holder							1
3	240-1109096-B1	Holder catch							1
4	240-1109165	Filtering element							1
5	240-1109166-B	Filtering element							1
6	240-1109167-B	Filtering element							1
7	240-1109254-B	Oil bath							1
8	240-1109255	Pan (D-242)							1
	240-1109255-01	Pan (D-244)							1
9	240-1109262	Pinch bolt							2
10	240-1109306	Gasket							1
11	M6-6H.45Л	Winged nut							2
12	6.01.08KП	Washer							2
	240-1109280	Bracket							1
13	50-1109296-B	Pin							1
14	240-1109290-B1	Air cleaner bracket							1
15	240-1109299	Air cleaner clamp							1
16	50-1401067	Washer							1
17	3.2X18.019	Cotter pin							1
18	50Л-1109301-B	Pin							1
19	50-1401067	Washer							1
20	M8-6H	Nut							1
21	M8-6gX 45	Bolt							1
22	РД 63-74-75-0,2	Hose part							1
	A53.21.000	Monocyclone							1
23	A53.21.001	Pipe							1
24	A53.21.002	Cap							1
25	XC-71.016	Binding screw clamp							2

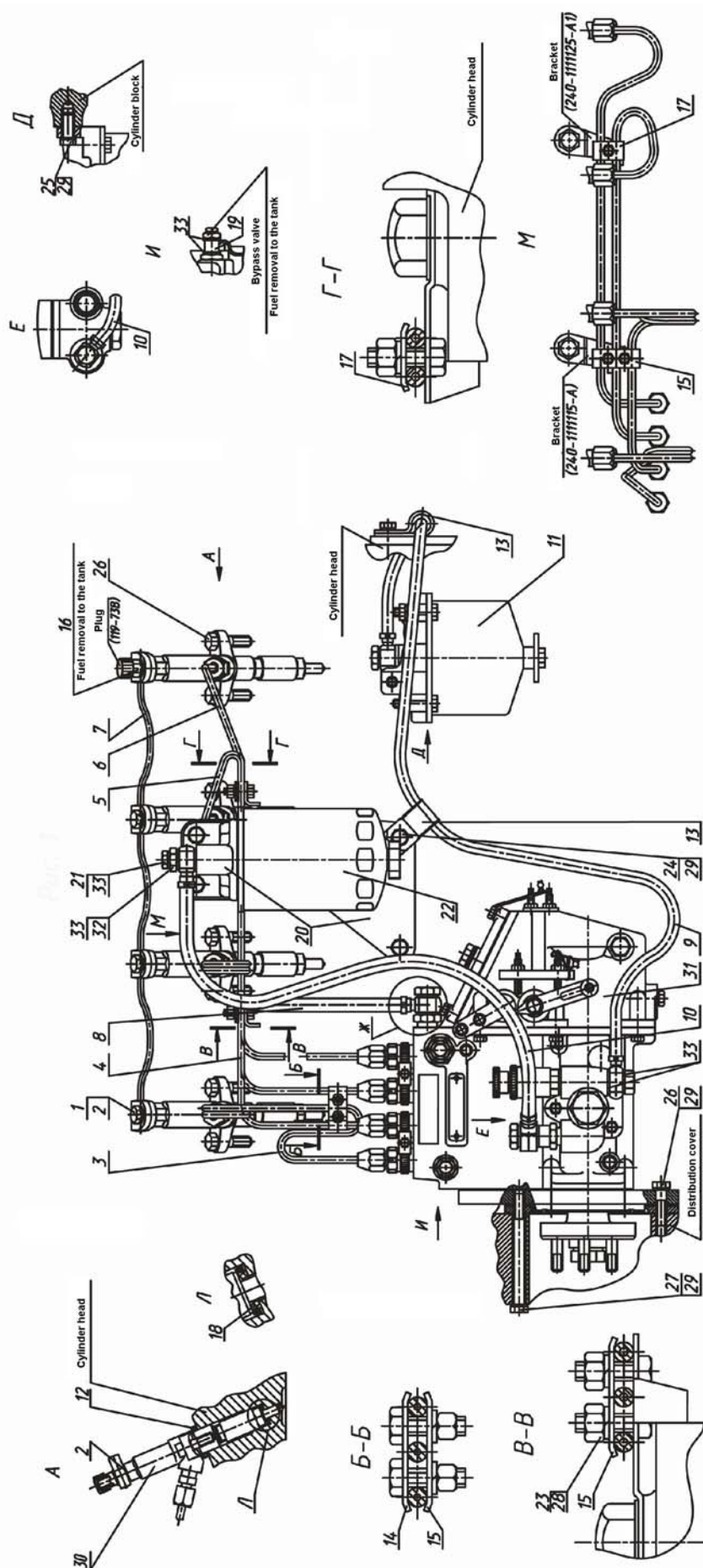


Fig.11. Fuel equipment installation

Subgroup 1111. Fuel equipment installation

Pos.No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
	240-1111000-A1-07	Fuel equipment installation (D-242)						
	240-1111000-A1-19	Fuel equipment installation (D-244)						
1	36-1104787	Union bolt						3
2	36-1104788	Gasket						8
3	240-1104300-01	High pressure fuel pipe						1
4	240-1104300-02	High pressure fuel pipe						1
5	240-1104300-03	High pressure fuel pipe						1
6	240-1104300-04	High pressure fuel pipe						1
7	240-1104320-A2-02	Drainage fuel line						1
8	245-1104180-A-02	Low pressure fuel pipe						1
9	245-1104180-A-06	Low pressure fuel pipe						1
10	245-1104180-A-10	Low pressure fuel pipe						1
11	240-1105010	Coarse filter						1
12	240-1111036-B1	Protection ring						4
13	240-1111101-B	Clamp						2
14	240-1111105	Pad						1
15	240-1111106	Pad						2
16	240-1111112	Union						1
17	240-1111114	Pad						1
18	245-1111020	Screen gasket						4
19	245-1111113	Protective bushing						1
20	245-1117010-Г	Housing assembly						1
21	245-1117105	Union with plug						1
22	ΦT020-1117010	Fuel filter						1
23	M6-6H	Nut						5
24	M10-6gX 20	Bolt						3
25	M10-6gX25	Bolt						2
26	M10-6gX 35	Bolt						10
27	M10-6gX120	Bolt						2
28	6 65Г 06	Washer						5
29	10 65Г 06	Washer						11
30	171.1112010-02	Nozzle						4
31	4УТНН-1111007-411	Fuel pump (D-242)						1
	4УТНН-1111007-431	Fuel pump (D-244)						1
32	Д18-051-A	Swivel angle bolt						1
33	Д18-055-A	O-ring						12

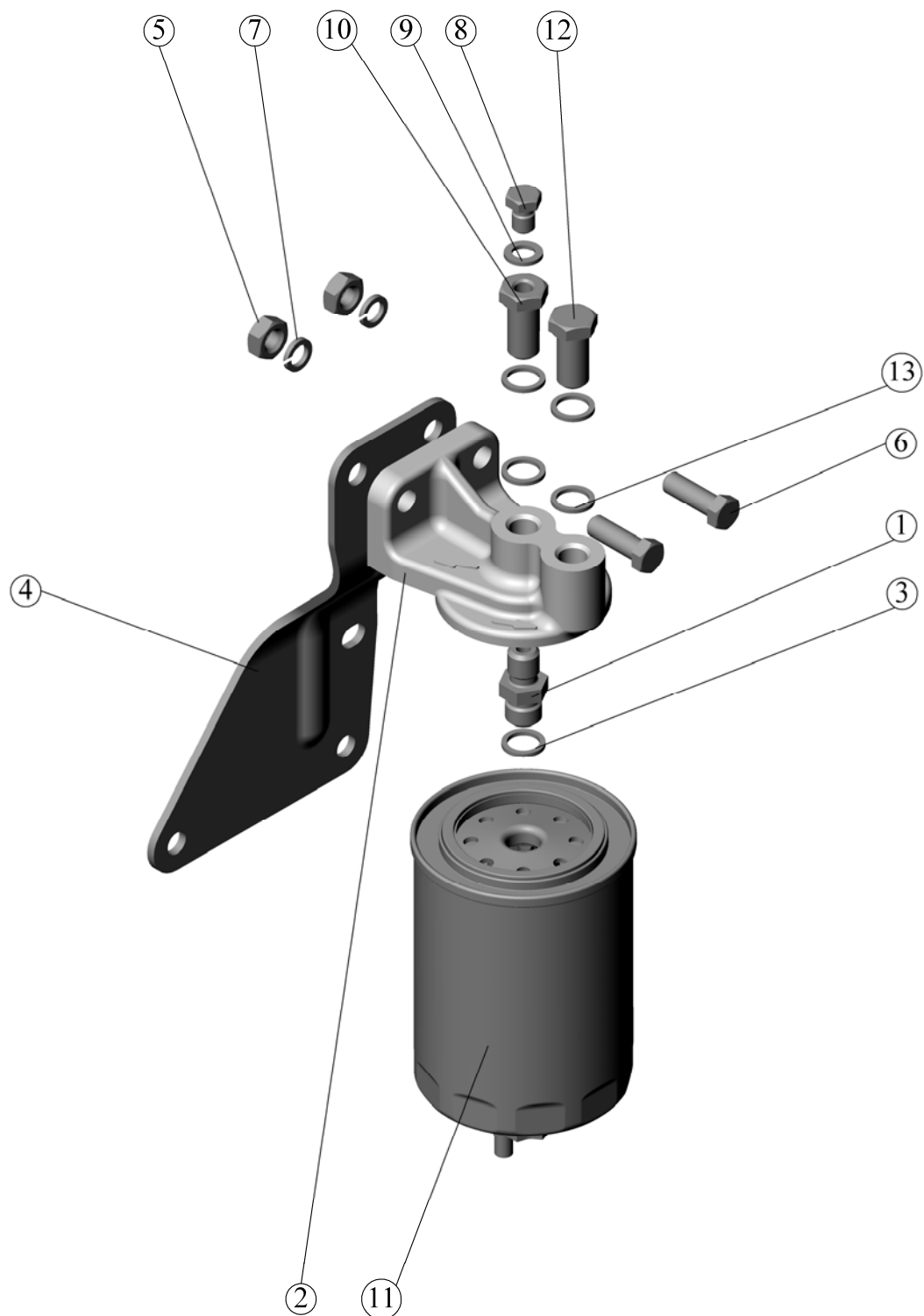


Fig.12.Fine fuel filter

Subgroup 1117. Fine fuel filter

Pos.No.	Assembly unit, part indication.	Designation							Q-ty in group
		1	2	3	4	5	6		
	245-1117010-Г	Housing							1
	245-1117075	Housing							1
1	245-1117079	Union							1
2	245-1117081	Cover							1
3	Д18-055-А	O-ring							1
4	245-1117091-Б	Bracket							1
5	M10-6H	Nut							2
6	M10-6gx30	Bolt							2
7	10 65Г 06	Washer							2
	245-1117105	Union with plug							1
8	240-1003281	Plug							1
9	36-1104788	Gasket							1
10	Д18-052	Union							1
11	ΦТ020-1117010	Fuel filter							1
12	Д18-051-А	Swivel angle bolt							1
13	Д18-055-А	O-ring							4

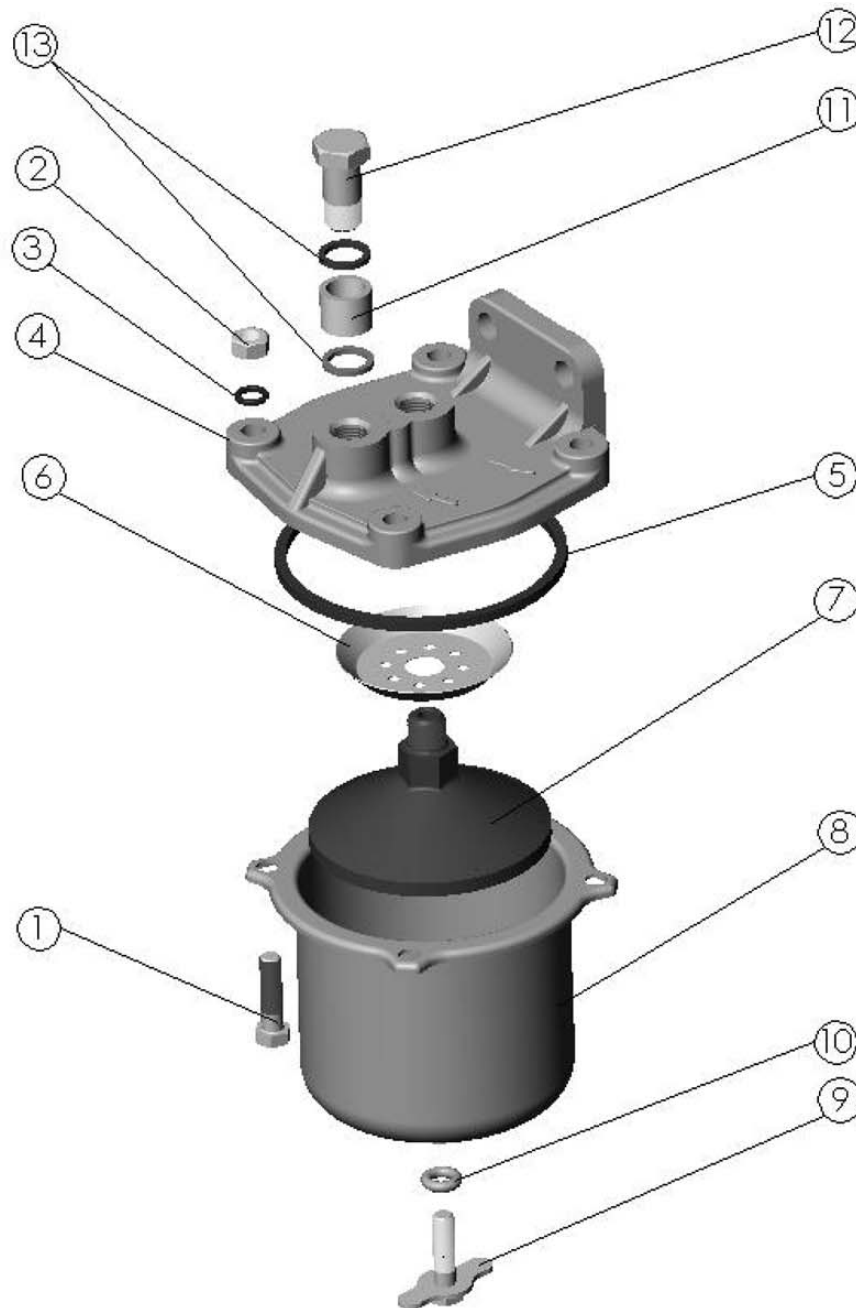


Fig.13. Coarse fuel filter

Subgroup 1105. Coarse fuel filter

Pos.No.	Assembly unit, part indication.	Designation							Q-ty in group
		1	2	3	4	5	6		
1	240-1105010	Coarse filter							4
2	M8-6gx25	Bolt							4
3	M8-6H	Nut							4
4	8 65Г 06	Washer							4
5	240-1105016	Housing							1
6	98-4-4-16	Ring							1
7	240-1105011	Diffuser							1
8	240-1105025	Reflector							1
9	240-1105020	Bowl							1
10	240-1105030	Plug							1
11	260-1117134	O-ring							1
12	Д16-111-A	Protective bushing							2
13	Д18-051-A	Swivel angle bolt							2
14	Д18-055-A	O-ring							4

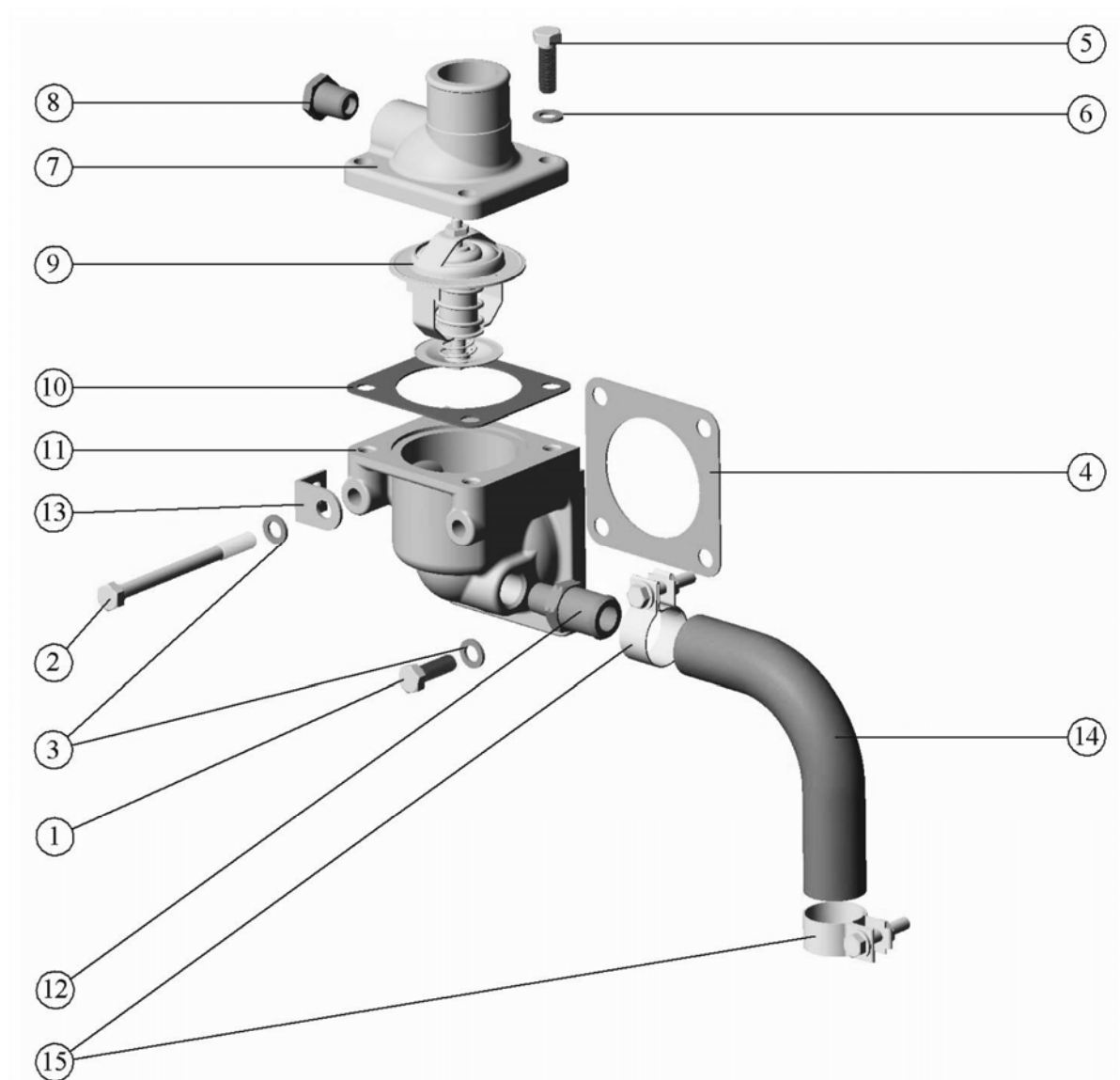


Fig.14. Thermostat housing installation

Group 13 COOLING SYSTEM
Subgroup 1306. Thermostat housing installation

Pos.No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	245-1306030-A	Thermostat housing installation						2
2	M8-6gx25	Bolt						2
3	M8-6gx95	Bolt						2
4	50-1401067	Washer						4
5	50-1306026	Thermostat housing gasket						1
6	245-1306040	Thermostat housing						1
7	M8-6gx25	Bolt						4
8	50-1401067	Washer						4
9	245-1306025	Housing cover						1
10	КТ 3/8"	Plug						1
11	TC107-1306100-04	Wax thermostat						1
12	245-1306023	Gasket						1
13	245-1306021	Lower housing						1
14	245-1306027	Union						1
15	80-3801092-B	Bracket						1
16	50-1306028-B3	Thermostat hose						1
17	«Norma» 20-32	Clamp						2

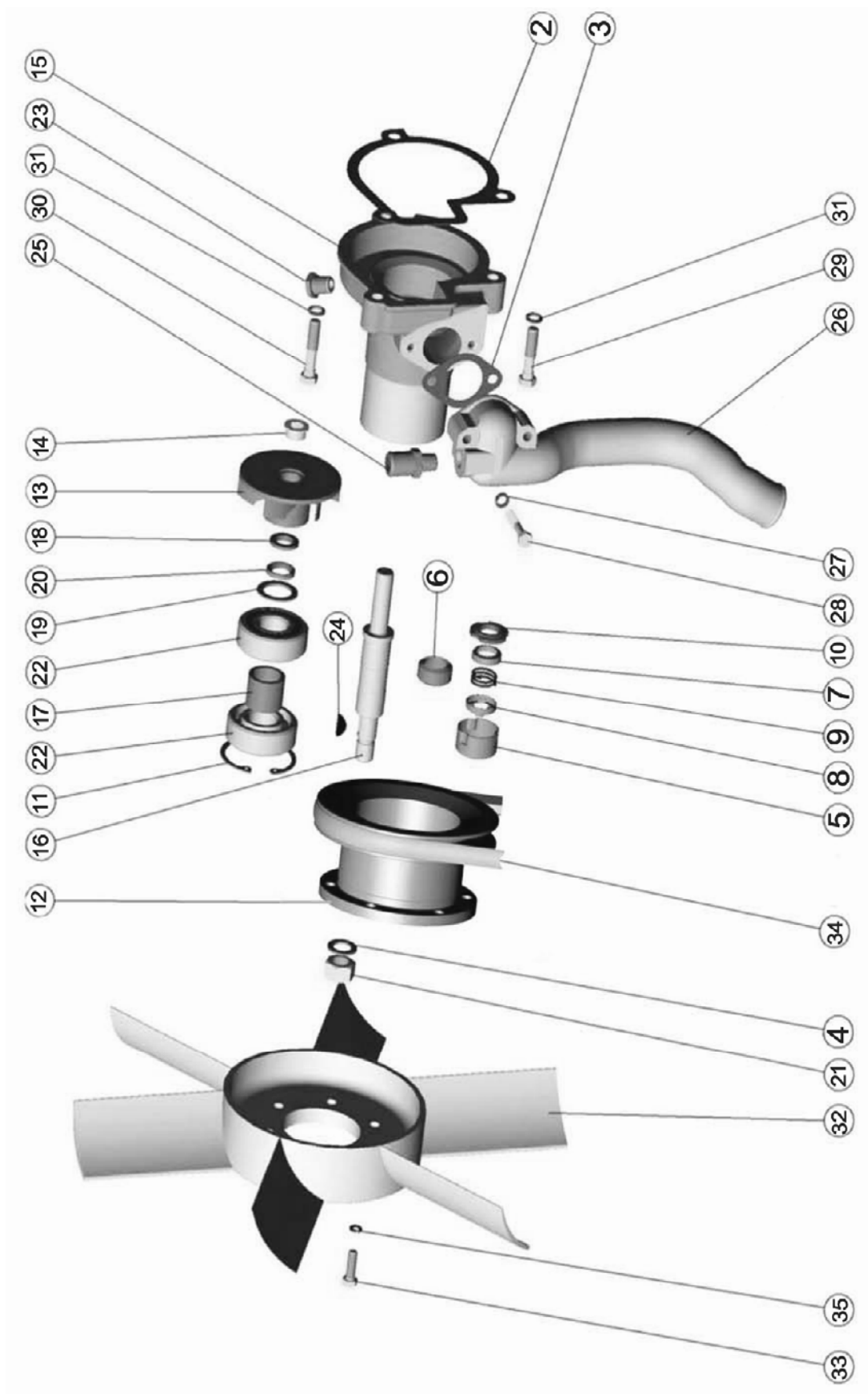


Fig.15. Water pump installation. Fan installation

Subgroup 1307. Water pump installation
Subgroup 1308 Fan installation

Pos.No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1307000	Water pump installation						1
	50-1307048-B	Housing gasket						1
	240-1307012-A1	Water pump						1
2	50-1307049-A	Pipe gasket						1
	240-1307010-A1	Water pump						1
3	50-1005161	Washer						1
4	SP/1341	Water pump packing						1
5	240-1307064	Retaining ring						1
6	240-1307070-B	Water pump pulley						1
7	240-1307074-B	Impeller						1
8	240-1307075	Blind plug						1
9	245-1307025	Water pump housing						1
10	245-1307052-Г	Shaft						1
11	245-1307084	Bushing						1
12	245-1307094	Thrust ring						1
13	M16x1,5-6H	Nut						1
14	1160305	Radial single-row ball bearing						2
15	КГ 3/8"	Plug						1
16	5x7,5	Key						1
	245-1307060-01	Water pump tube						1
17	245-1306027	Union						1
18	50-1307044-B	Water pump tube						1
19	50-1401067	Washer						2
20	M8-6gx45	Bolt						2
21	M10-6gx45	Bolt						2
22	M10-6gx50	Bolt						1
23	10 65Г 06	Washer						3
	245-1308000-E-01	Fan installation						
24	245-1308010-A	Fan						1
25	M8-6gx25	Bolt						6
26	2КЛ.І-11Х10-1250 or AVX 13-1250 or SPA-1250	Belt						1
27	8 65Г 06	Washer						6

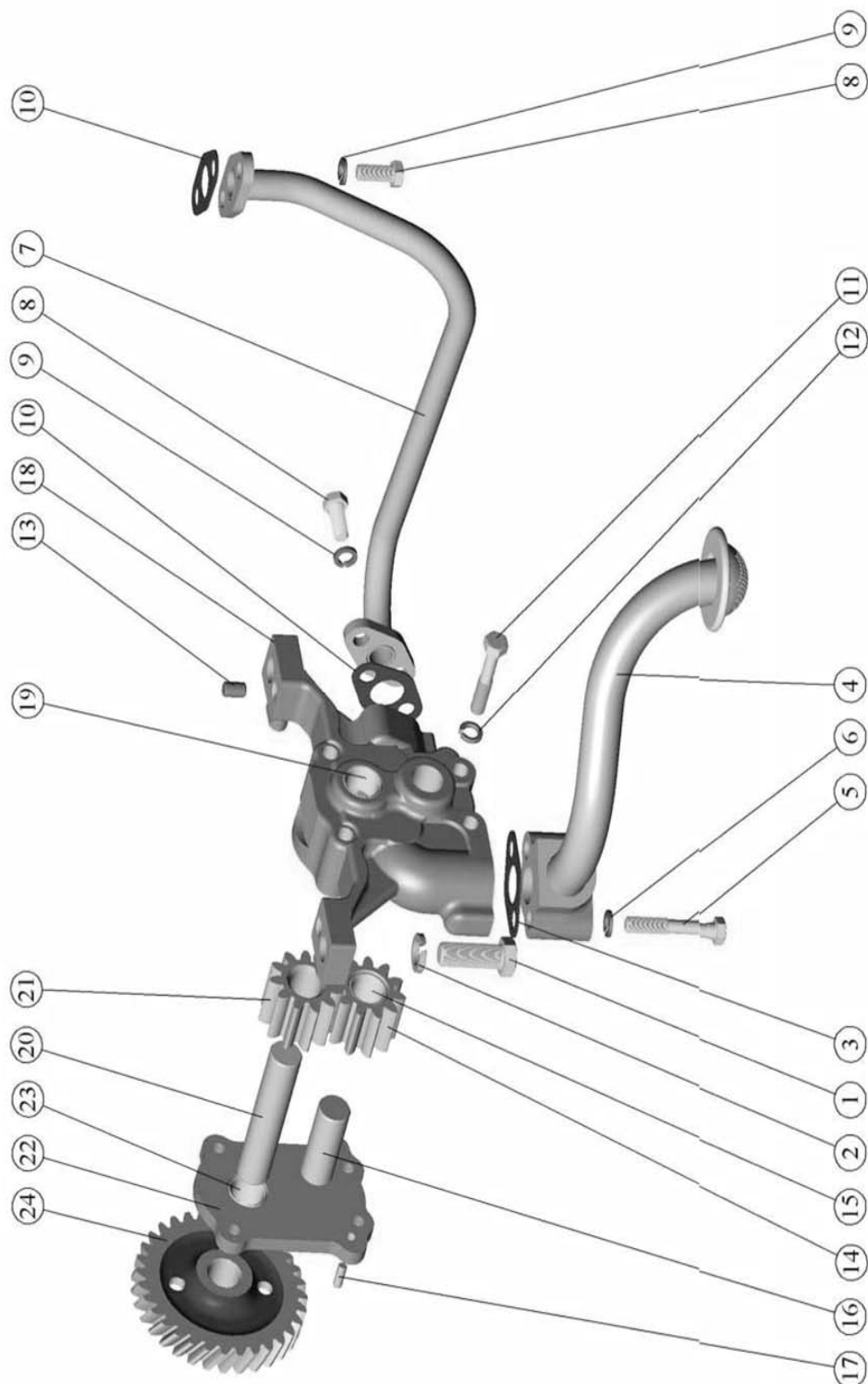


Fig.16. Oil pump installation

Group 14 LUBRICATION SYSTEM
Subgroup 1400. Oil pump installation

Pos.No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-1400010-B	Oil pump installation						2
2	M12-6gx40	Bolt						2
3	12T 65Г 06	Washer						1
4	240-1402000-A3	Oil pump receiver installation						1
5	50-1402053	Flange gasket						1
6	240-1402010-A3	Oil receiver						1
7	M8-6gx50	Bolt						2
8	8T 65Г 06	Washer						2
9	50-1403015-A	Exit branch						1
10	M8-6gx20	Bolt						4
11	8T 65Г 06	Washer						4
12	50-1403033	Flange gasket						2
13	245-1403010	Oil pump						1
14	M8-6gx50	Bolt						4
15	8T 65Г 06	Washer						4
16	240-1002044	Pin						2
17	50-1403110-B	Oil pump driven gear						1
18	50-1403115-B	Oil pump driven gear						1
19	Д08-002-A	Oil pump body bushing						1
20	or A57.03.028-A	Idler gear bushing						1
21	50-1403125-B	Driven gear pin						1
22	50-1403233	Locating pin						2
23	240-1403020	Oil pump body						1
24	240-1403025	Oil pump body						1
25	50-1403019-B	Body bushing						1
26	or A57.03.026-A	Shaft						1
27	240-1403120-A-02	Oil pump shaft						1
28	50-1403052-B	Oil pump drive gear						1
29	50-1403075-B	Oil pump cover						1
30	240-1403150	Oil pump cover						1
31	240-1403155	Oil pump cover						1
32	50-1403012-B	Body bushing						1
33	or A57.03.027-A	Gear of oil pump drive						1
34	245-1403228							1

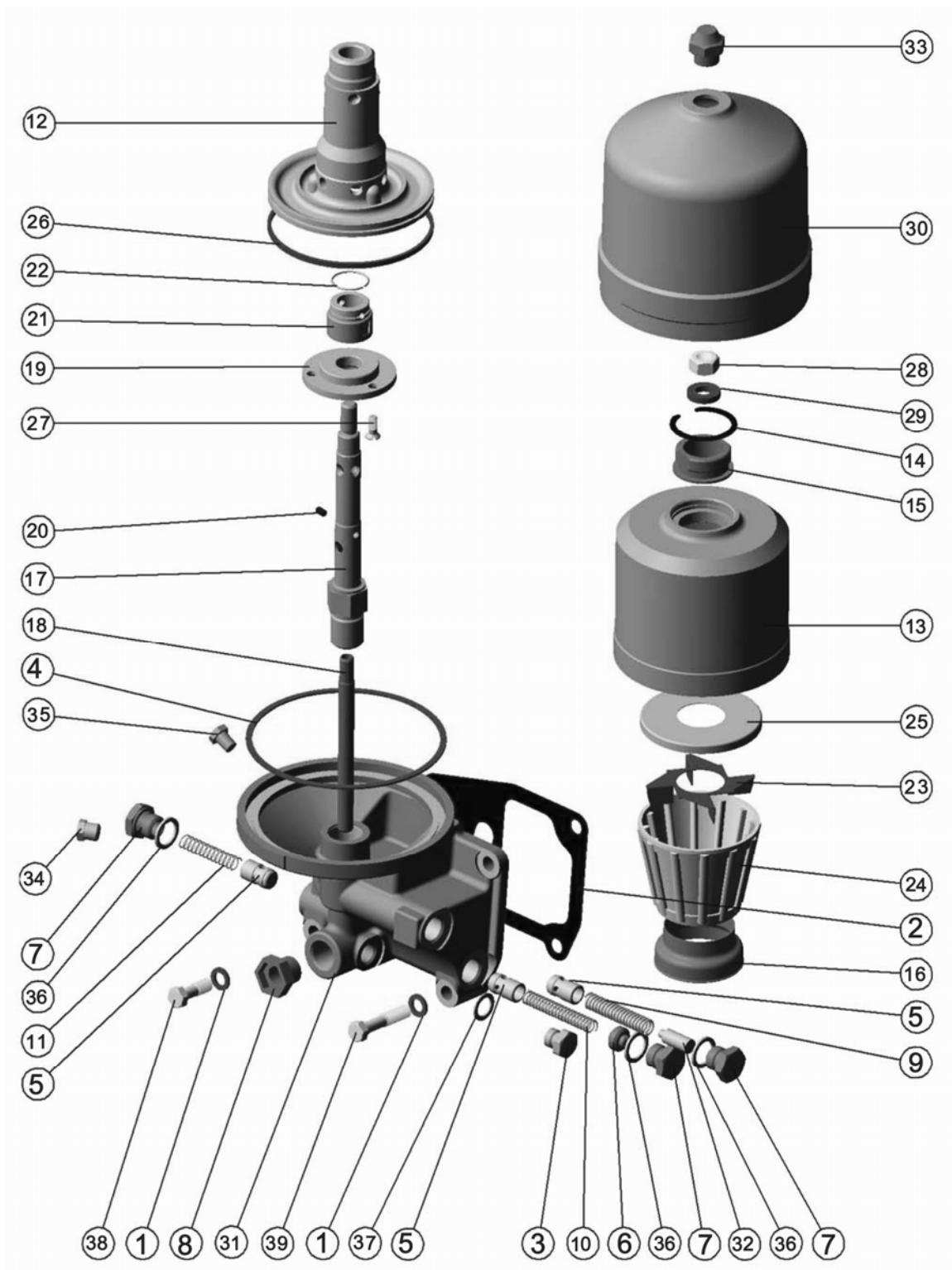


Fig.17. Centrifugal filter installation

Subgroup 1404. Centrifugal filter installation

Pos.No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
	240-1404000-A	Centrifugal filter installation						
1	36-1104788	Gasket						4
2	50-1404068	Centrifugal filter casing gasket						1
	240-1404010-A	Centrifugal oil filter						1
3	50-1117028	Threaded plug						1
4	50-1404059-B1	Cap gasket						1
5	50-1404071-A	Centrifugal filter valve						3
6	50-1404072	Adjusting plug						1
7	50-1404075	Flow regulation valve plug						3
8	50-1404077-A	Plug						2
	или 240-1404096	Blind plug						2
9	50-1404081-A1	Centrifugal filter valve spring						1
10	50-1404083-A1	Bleeding valve spring						1
11	50-1404085-A1	Flow regulation valve spring						1
	240-1404020-A2	Rotor with shaft						1
12	240-1404017-B	Rotor housing						1
	240-1404030-A	Rotor sleeve						1
13	240-1404023	Rotor sleeve						1
14	240-1404033	Thrust ring						1
15	240-1404035-A	Special nut						1
16	240-1404049	Inner sleeve						1
	240-1404080-A1	Rotor shaft						1
17	240-1404012-B	Rotor shaft						1
18	240-1404013-B	Pipe						1
19	240-1404019-B	Rotor housing cover						1
20	240-1404028	Pin						1
21	240-1404090-B	Capping						1
22	240-1404118	Ring						1
	240-1404140	Filter screen						1
23	240-1404024	Rotor impeller						1
	240-1404110	Filter screen						1
24	240-1404111	Screen						1
25	240-1404113	Cover						1
26	115-120-30-2-1	Ring						1
27	B2.M6-6gx14	Screw						3
28	M12X1,25-6H	Nut						1
29	Д37А-1407607-B	Thrust washer						1
30	240-1404027	Centrifugal filter cap						1
31	240-1404067-A	Centrifugal filter housing						1
32	240-1404074	Insert						1
33	240-1404088	Cap nut						1
34	КГ 1/4"	Plug						1
35	КГ 1/8"	Plug						1
36	Д09-035-A	Plug gasket of bypass valve						3
37	Д18-055-A	O-ring						1
38	M10-6gX30	Bolt						2
39	M10-6gX 50	Bolt						2

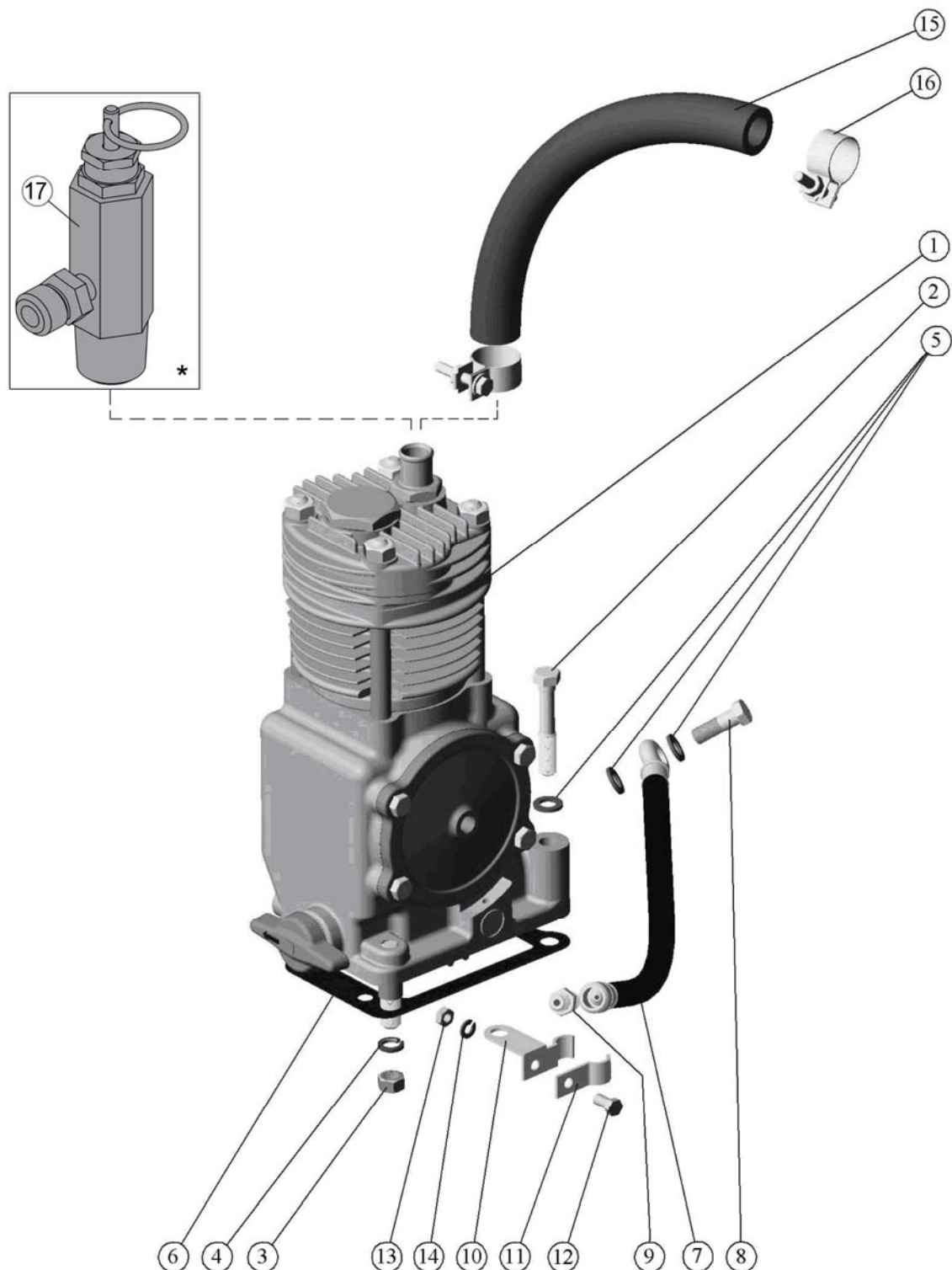


Fig.18. Pneumatic compressor installation (for engines D-242)

GROUP 35 PNEUMATIC COMPRESSOR
Subgroup 3509. Pneumatic compressor installation (for D-242)

Pos.No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-3509030-A	Pneumatic compressor installation						1
2	A29.05.000-B3A	Pneumatic compressor						1
3	M10-6gx45	Bolt						1
4	M10-6H	Nut						3
5	10 65Г 06	Washer						3
6	36-1104788	Gasket						3
7	240-3509037-A	Gasket						1
8	240-3509150	Oil pipe						1
9	36-1104787	Union bolt						1
10	240-3509232	Union						1
11	240-3509158	Clamp						1
12	240-3509159	Clevis						1
13	M6-6gx16	Bolt						1
14	M6-6H	Nut						1
15	6 65Г 06	Washer						1
16	РД 18-29-300-1,3	Hose part						1
17	XC-26.016	Binding screw clamp						2
18	80-3509010*	Valve						1

* Valve for tire charging is installed when pneumatic drive in the absence is absent pneumatic drive.

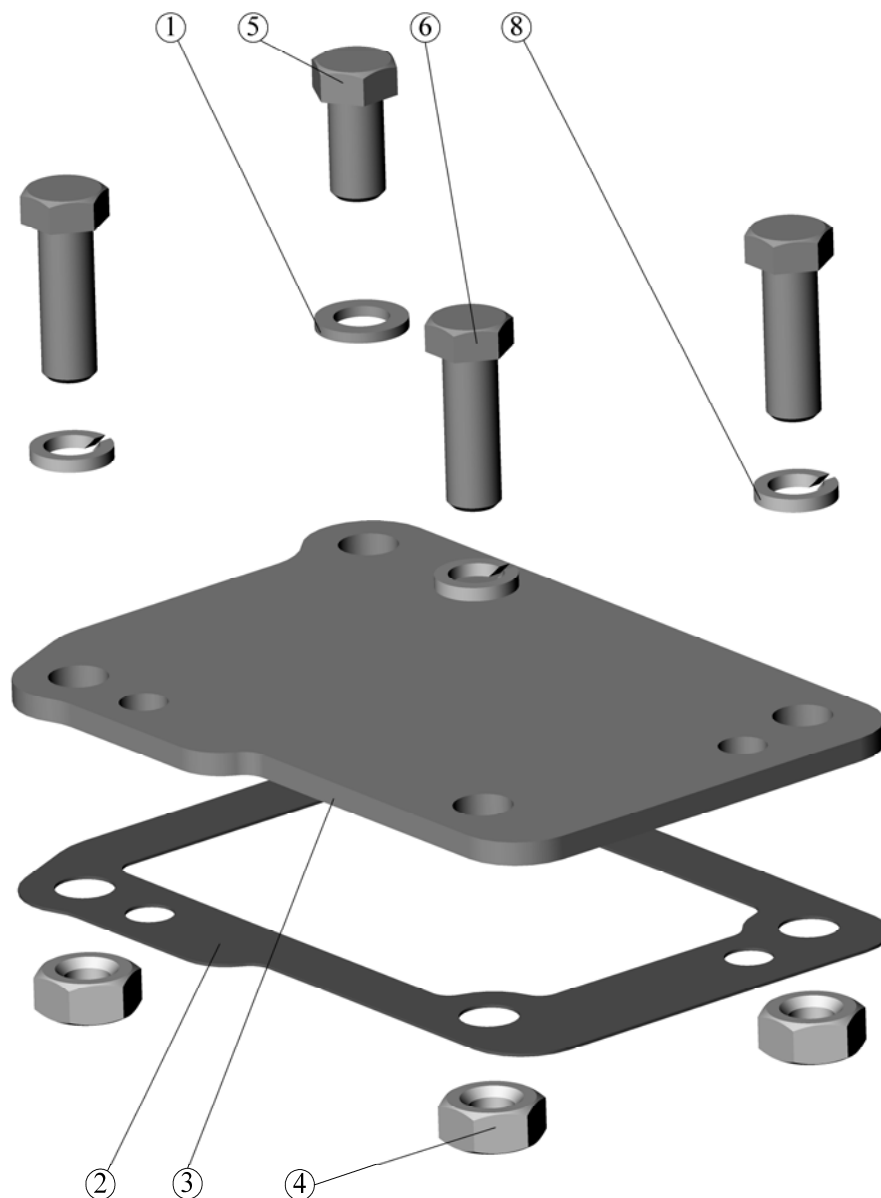


Fig.19. Cover installation (for engines D-244)

Subgroup 3509. Cover installation (for D-244)

Pos.No.	Assembly unit, part indication.	Designation							Q-ty in group
		1	2	3	4	5	6		
1	240-3509020 36-1104788	Cover installation Gasket							1
2	240-3509037-A	Gasket							1
3	240-3509041	Cover							1
4	M10-6H	Nut							3
5	M10-6gx20	Bolt							1
6	M10-6gx30	Bolt							3
7	10 65Г 06	Washer							3

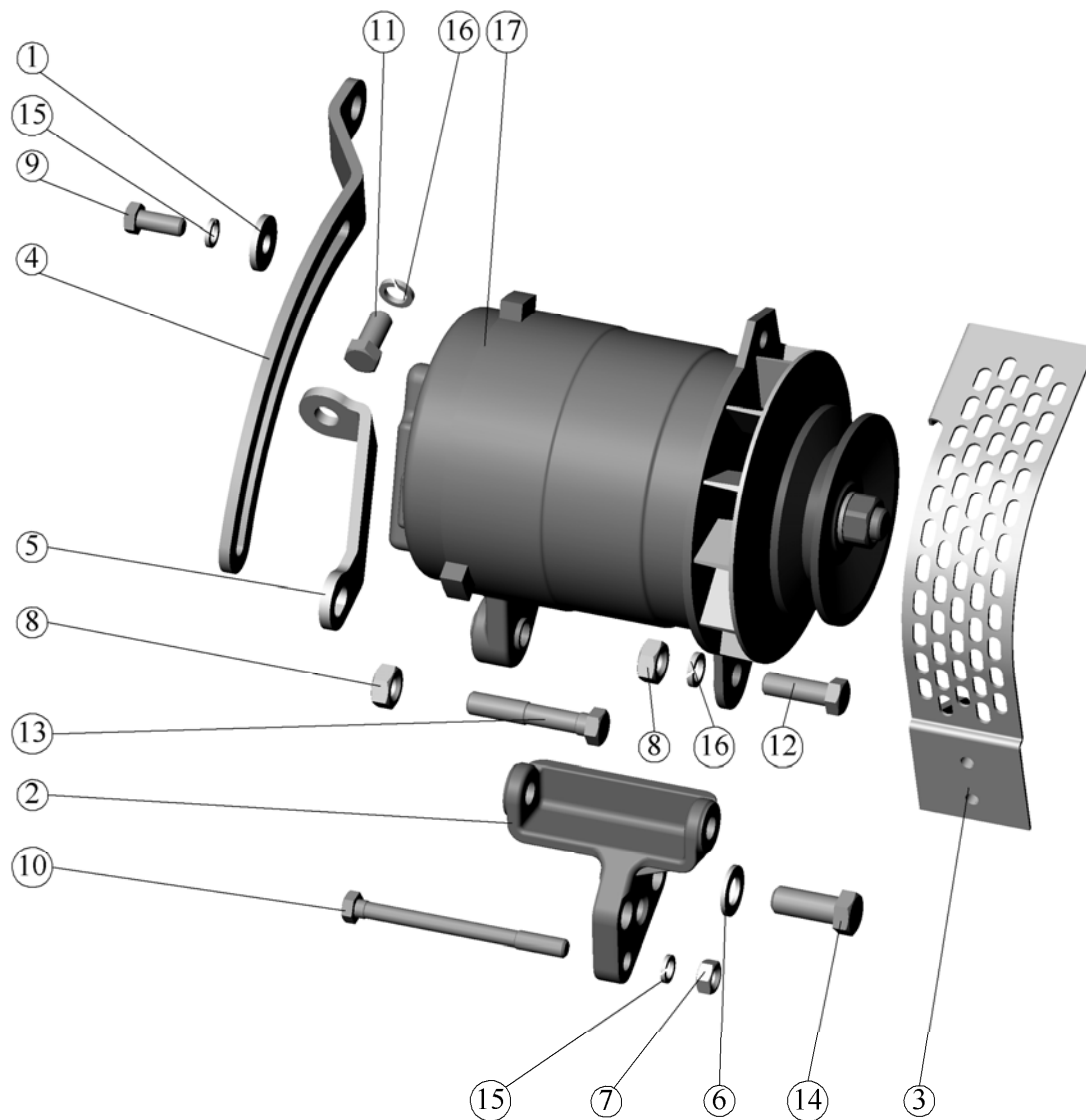


Fig.20. Generator installation

GROUP 37 ELECTRICAL EQUIPMENT
Subgroup 3701. Generator installation

Pos.No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	240-3701050-B-36	Generator installation (D-242)						1
2	240-3701050-B-37	Generator installation (D-244)						1
3	50-1002073	Thrust washer						1
4	240-3701056-B	Generator bracket						1
5	240-3701060-B	Shield (D-242)						1
6	240-3701060-B-01	Shield (D-244)						1
7	240-3701063	Plate (D-242)						1
8	240-3701063-01	Plate (D-244)						1
9	240-3701068-B	Brace (D-242)						1
10	240-3701068-B-01	Brace (D-244)						1
11	245-3701069	Washer						2
12	M8-6H	Nut						1
13	M10-6H	Nut						3
14	M8-6gX20	Bolt						1
15	M8-6gX95	Bolt						1
16	M10-6gX20	Bolt						1
17	M10-6gX30	Bolt						1
18	M10-6gX55	Bolt						1
19	M12-6gX30	Bolt						2
20	8 65Г 06	Washer						2
21	10 65Г 06	Washer						2
22	Г9695.3701-1	Generator						1

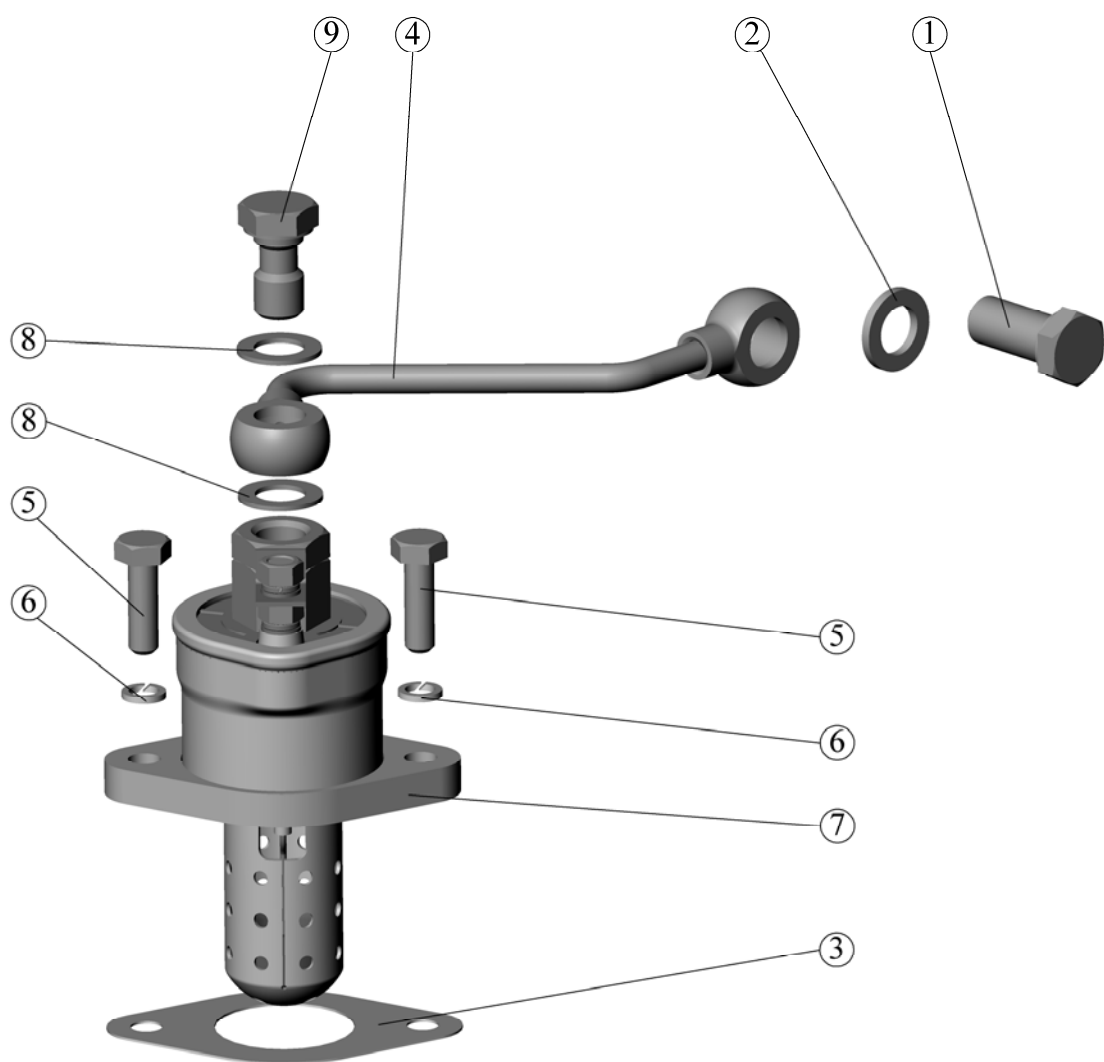


Fig.21. Glow plug installation (for engines D-242)

Subgroup 3707. Glow plug installation (for D-242)

Pos.No.	Assembly unit, part indication.	Designation						Q-ty in group
		1	2	3	4	5	6	
1	242-3707110-B	Glow plug installation						1
2	36-1104787	Union bolt						1
3	36-1104788	Gasket						2
4	240-3707115-A1	Gasket						1
5	242-3707130-B	Piping						1
6	M6-6gX20	Bolt						2
7	6 65Г 06	Washer						2
8	ЭФП-8101500	Glow plug						1
9	240-1007209	Gasket						2
9	ЭФП-8101627-B	Union bolt						1

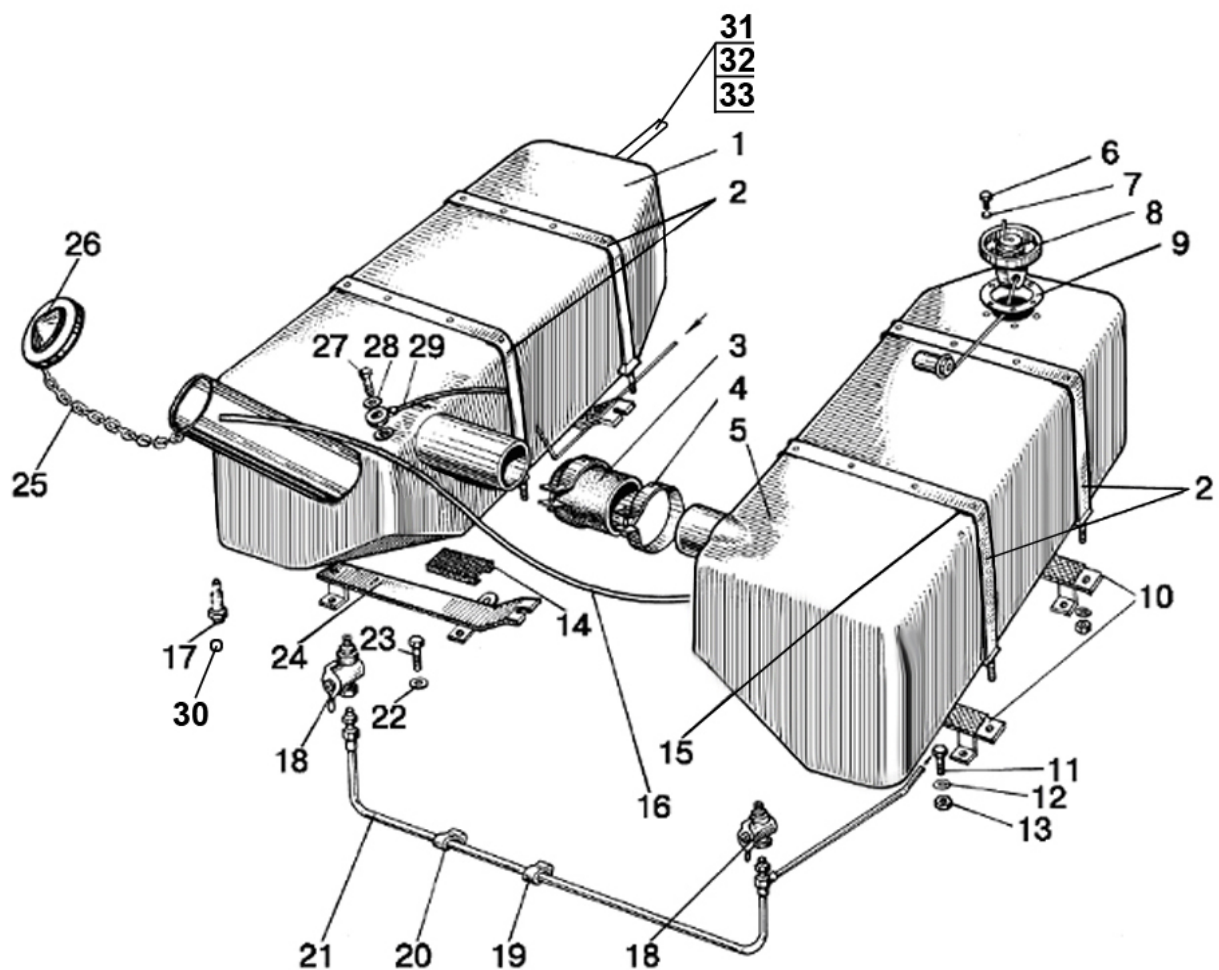


Fig.22. Fuel tanks

Group 11. Feed system
Subgroup 1101. Fuel tanks

Fig. No	Pos.No	Indication	Q-ty	Designation
22		70-1101005		Tanks (metal)
		70-1101005-05*		Tanks (plastic)
	1	70-1101020	1	Tank (metal)
		80-1101510*	1	Tank (plastic)
	2	70-1101070	4	Clamp
	3	70-1101035-Б	1	Hose
	4	XC-66	2	Clamp
	5	70-1101010	1	Бак
		80-1101520*	1	Plastic tank
	6	В.М5-6gx16.58.019 ГОСТ 17475-80	5	Screw
	7	80-1101067	5	Washer
	8	AP70.3827 or ДУМП-21М	1	Fuel level sensor
	9	200-3806026	1	Gasket
	10	80-1101250-Б	2	Right bracket
	11	M10-6gx25.88.35.019 ГОСТ 7796-70	8	Bolt
	12	10 ОТ OCT 37.001.115-75	12	Washer
	13	M10-6H.6.019 ГОСТ 5915-70	12	Nut
	14	80-1101012-Б	8	Gasket
	15	ПР-36-01	8	Gasket
	16	85-1101002-02 80-8101015-02*	1 1*	Pipe Hose
	17	822-1101081	2(1*)	Union
	18	ПП6-1-0	2	Cock
	19	70-1101042	2	Clevis
	20	50-1111102-01	2	Gasket
	21	920П-1101210	1	Fuel line
	22	12 ОТ OCT 37.001.115-75	8	Washer
	23	M12-6gx30.88.35.019 ГОСТ 7796-70	8	Bolt
	24	80-1101280-Б	2	Left bracket
	25	36-1101070	1	Chain
	26	082-1103010	1	Plug
	27	36-1104787	1	Bolt
	28	36-1104788	2	Gasket
	29	920-1101160-05	1	Fuel line
	30	11,112-100 ГОСТ 3722-81	2(1*)	Ball
	31	920П-1101240-05	1	Fuel line
	32	Д18-051	1	Bolt
	33	Д18-055А-01	2	O-ring

* For plastic tanks

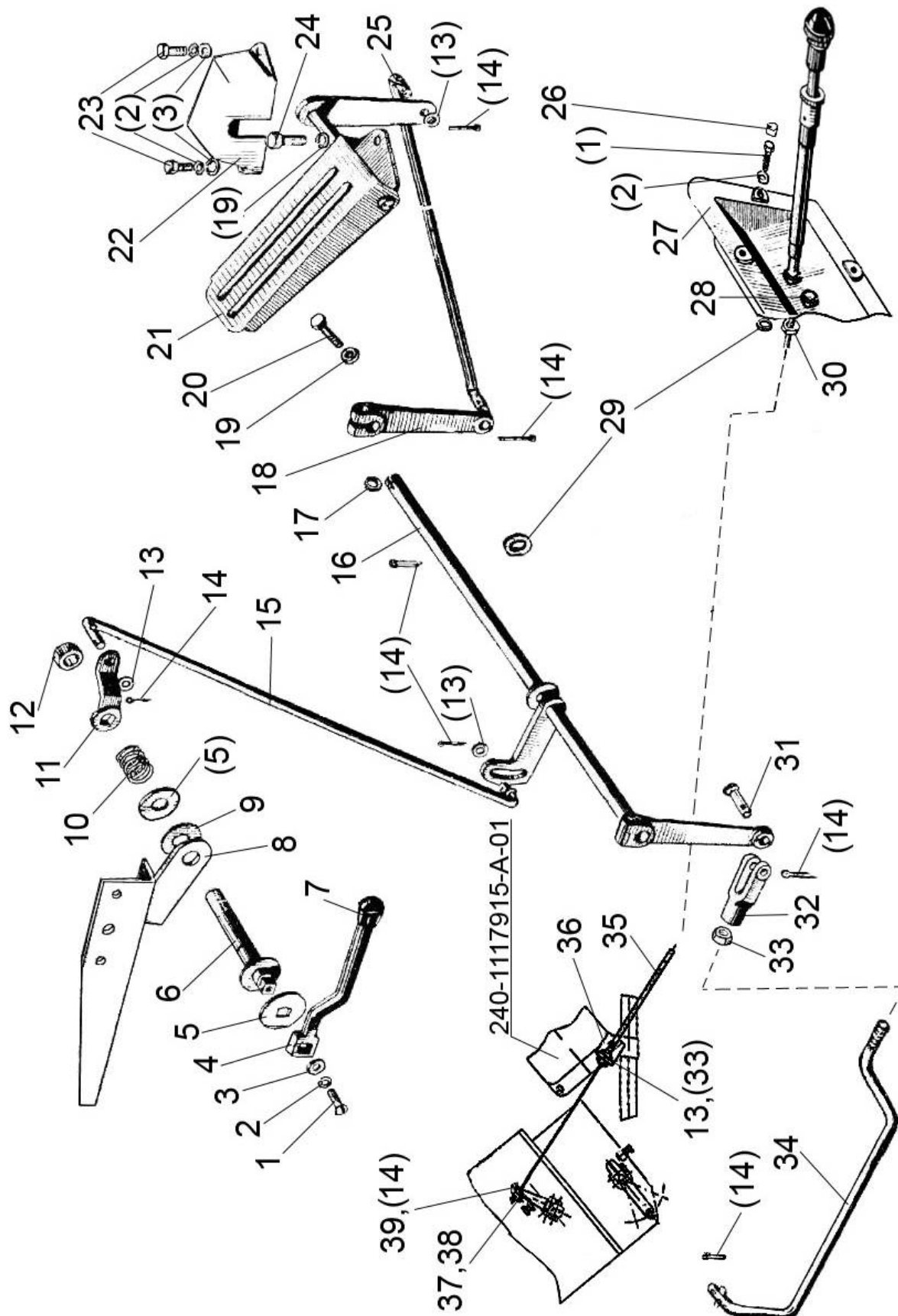


Fig.23. Fuel intake control

Group 11. Feed system
Subgroup 1108. Fuel intake control

Fig. No	Pos.No	Indication	Q-ty	Designation
23		70-1108005-B1	1	Fuel intake control
	1	M6-6gx12.88.35.019 ГОСТ 7798-70	3	Bolt
	2	6T OCT 37.001.115-75	5	Washer
	3	C 6.01.019 ГОСТ 6958-78	3	Washer
	4	70-1108271	1	Handle
	5	50-1108148	2	Washer
	6	70-1108260	1	Shaft
	7	70-3401093	1	Tip
	8	70-1108250	1	Bracket
	9	80-1108178	1	Friction washer
	10	A20-245-B	1	Spring
	11	50-1108146	1	Lever
	12	M14x1,5-6H.6.019 ГОСТ 5915-70	1	Nut
	13	C 8.01.019 ГОСТ 11371-78	6	Washer
	14	3,2x18.019 ГОСТ 397-79	8	Cotter pin
	15	70-1108167-B1	1	Rod
	16	70-1108230	1	Shaft
	17	50-1108044	1	Key
	18	70X-1108043	1	Lever
	19	8T OCT 37.001.115-75	3	Washer
	20	M8-6gx25.88.35.019 ГОСТ 7796-70	1	Bolt
	21	70-1108220	1	Pedal
	22	70-1108244	1	Box
	23	M6-6gx16.88.35.019 ГОСТ 7798-70	2	Bolt
	24	M8-6gx20.88.35.019 ГОСТ 7796-70	2	Bolt
	25	70-1108063	1	Rod
	26	A30.04.017	2	Cap
	27	70-1115020	1	Dash board
	28	70-3723023	1	Bushing
	29	C 12.01.019 ГОСТ 11371-78	2	Washer
	30	M12x1,25-6H.6.019 ГОСТ 5915-70	1	Nut
	31	8x30 OCT 37.001.163-75	1	Pin
	32	A20.213-A	1	Fork
	33	M8-6H.6.019 ГОСТ 5915-70	3	Nut
	34	70-1108116	1	Rod
	35	80-1108630-A	1	Cable wire
	36	80-1108026	1	Bracket
	37	70-1310441	1	Detent
	38	B.M4-6gx10.46.016 ГОСТ 17473-80	1	Screw
	39	80-1108317	1	Boss

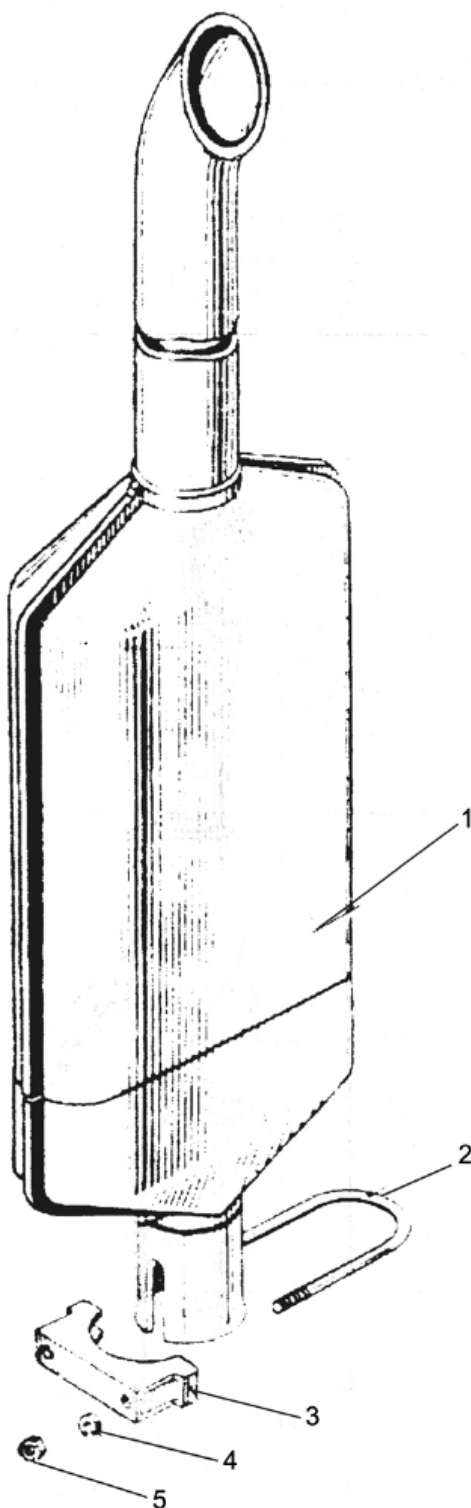


Fig.24. Muffler

Group 12. Exhaust system
Subgroup 1205. Muffler

Fig. No	Pos.No	Indication	Q-ty	Designation
24	1	60-1205015-01	1	Muffler
	2	60-1205101	1	Clevis
	3	60-1205103	1	Clamp
	4	C 10.01.019 ГОСТ 11371-78	2	Washer
	5	80-1205136	2	Nut

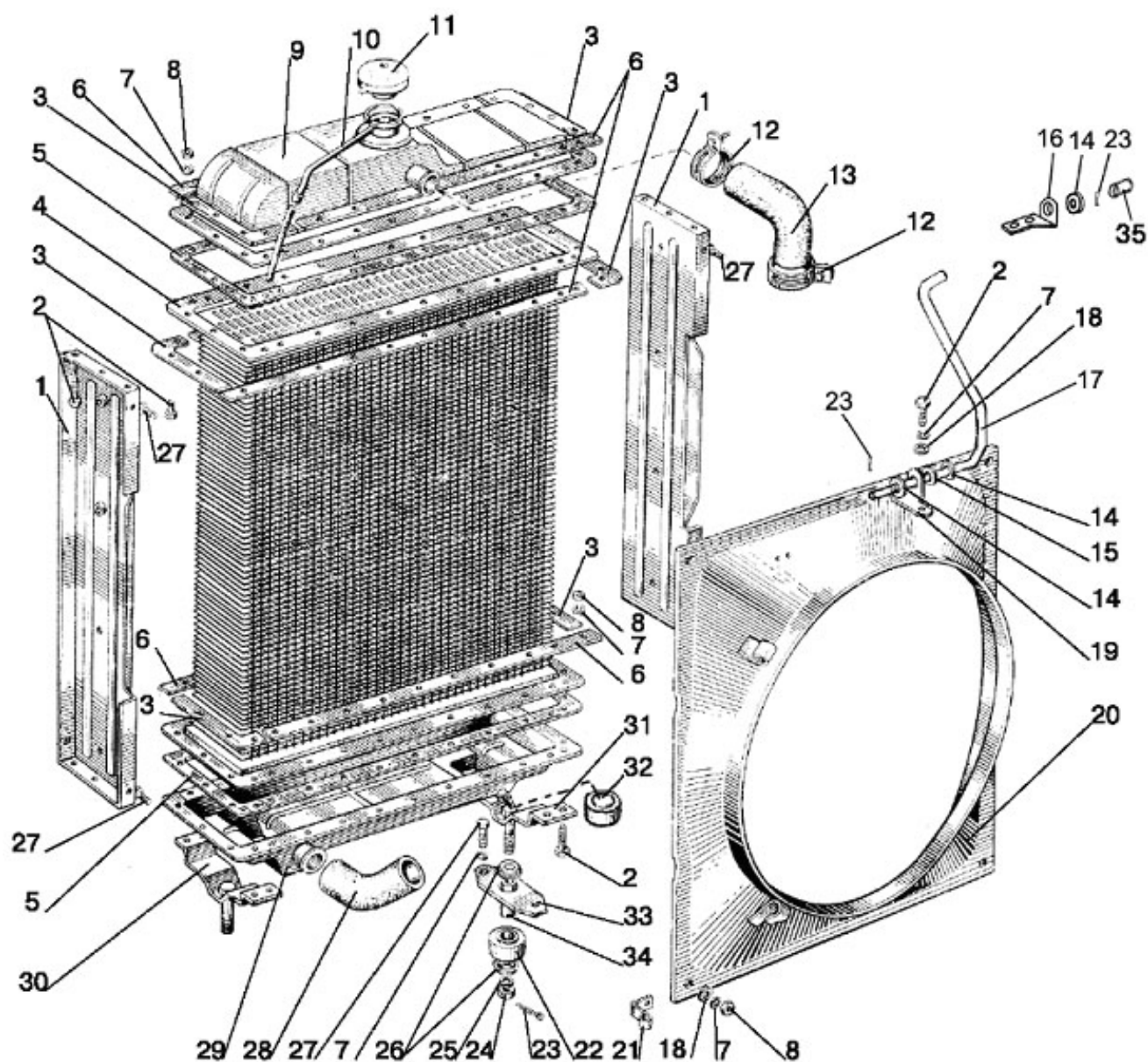


Fig.25. Water radiator. Water radiator suspension

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

Fig. No	Pos.No	Indication	Q-ty	Designation
25		70Y.13.01.010-01	1	Water radiator (1-11, 22-26, 29-31, 33, 34)
	1	70Y.13.01.126-1	2	Radiator baffle
	2	M8-6gx25.88.35.019 ГОСТ 7796-70	56	Bolt
	3	70Y.13.01.255	8	Angle lining
	4	70Y.13.01.020	1	Radiator center
	5	70Y.13.01.169	2	Gasket
	6	70Y.13.01.256	8	Lining
	7	8T OCT 37.001.115-75	64	Washer
	8	M8-6H.6.019 ГОСТ 5915-70	64	Nut
	9	70Y-1301055-A7	1	Upper tank
	10	14x23-1,6 ГОСТ 10362-76	1	Hose (1000 mm)
	11	A21.01.270	1	Cover (type 1)
	12	XC-46	4	Clamp
	13	70-1303001	1	Hose
	14	C 8.01.019 ГОСТ 11371-78	4	Washer
	15	85-1302071	2	Амортизатор
	16	1520-1302072	1	Bracket
	17	90-1302003-A	1	Tension bar
	18	C 8.01.019 ГОСТ 11371-78	4	Washer
	19	80-1302012-A	1	Bracket
	20	70-1309080	1	Casing
	21	48-1104016	1	Clamp
	22	70Y.13.02.018	2	Shock absorber
	23	3,2x18.019 ГОСТ 397-79	2	Cotter pin
	24	M12-6H.6.019 ГОСТ 5927-70	2	Nut
	25	12 OT OCT 37.001.115-75	4	Washer
	26	C 12.01.019 ГОСТ 11371-78	4	Washer
	27	M8-6gx16.88.35.019 ГОСТ 7796-70	8	Bolt
	28	50-1303062-B2	1	Hose
	29	70Y.13.01.075	1	Lower tank
	30	70Y.13.01.190	1	Left support
	31	70Y.13.01.180	1	Right support
	32	КГ 1/4"	1	Plug
	33	70Y.13.02.016	2	Plate
	34	70Y.13.02.015	2	Bushing
	35	90-1302004	2	Pipe

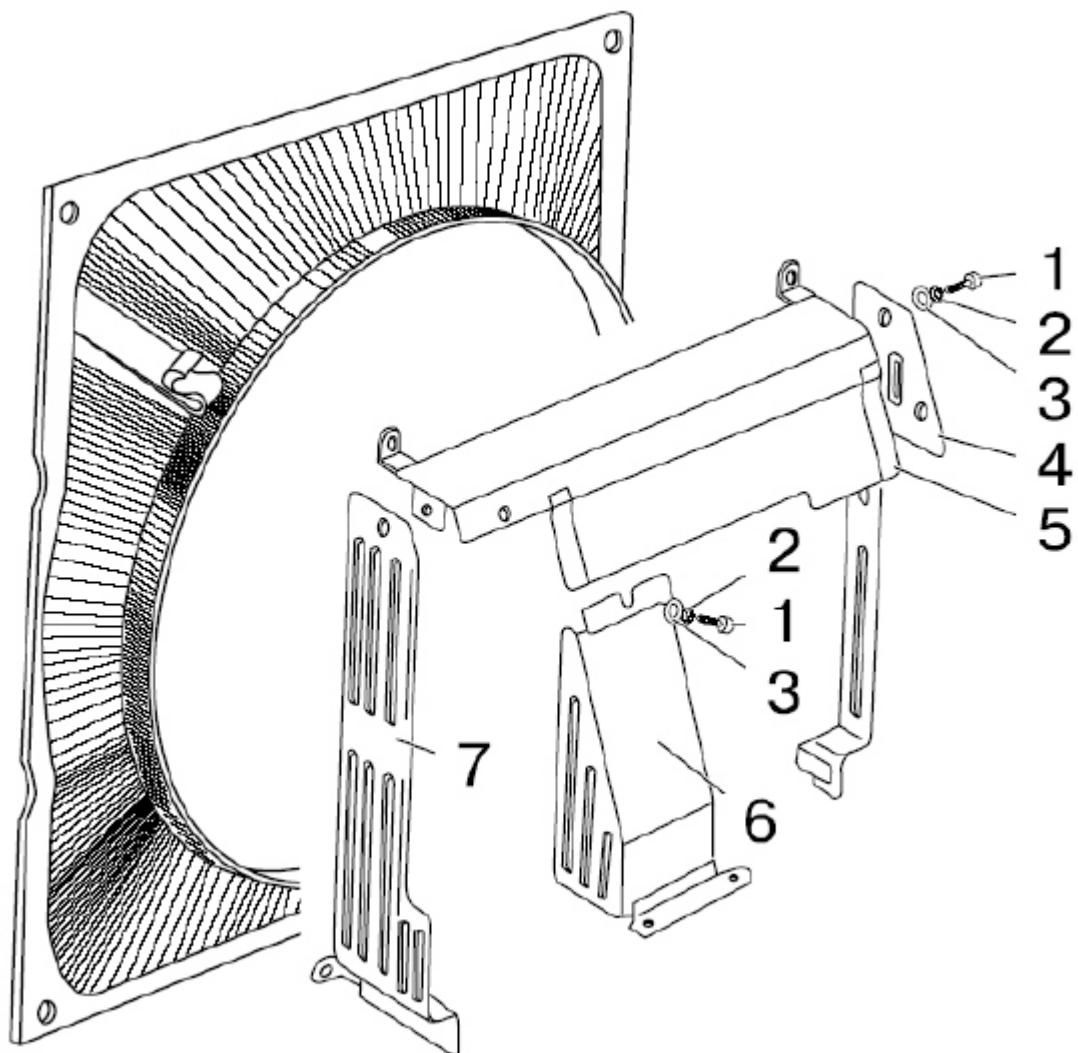


Fig.26. Fan guard (optional)

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

Fig. No	Pos.No	Indication	Q-ty	Designation
26	1	M6-6gx16.88.35.019 ГОСТ 7798-70	4	Bolt
	2	6T OCT 37.001.115-75	3	Washer
	3	C 6.01.019 ГОСТ 11371-78	3	Washer
	4	80-1309020	1	Right side member
	5	80-1309025	1	Screen
	6	80-1309030	1	Casing (installed in absence of compressor)
	7	80-1309015	1	Left side member

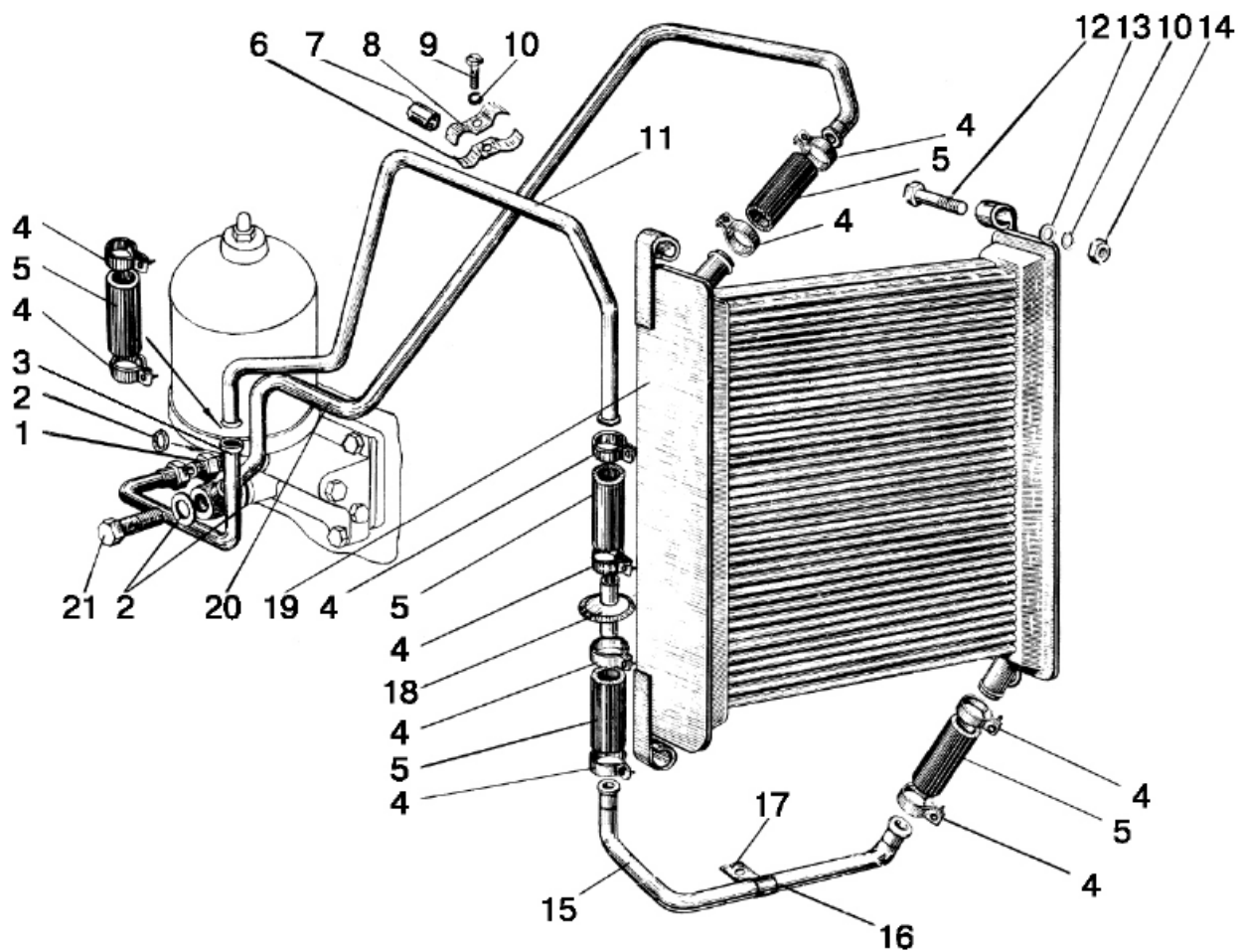


Fig.27. Oil radiator

Group 14. Lubrication system**Subgroup 1405. Oil radiator**

Fig. No	Pos.No	Indication	Q-ty	Designation
27		600-1405100	1	Oil pipe (4, 5, 11, 23)
	1	70-1405089	1	Union
	2	40-4607038-A	3	Washer
	3	70-1405120	1	Oil pipe
	4	XC-21-П29	10	Clamp
	5	70-1405013	5	Hose
	6	70-3407146	1	Plate
	7	70-3506027	3	Bushing
	8	70-3407144	4	Plate
	9	M8-6gx35.88.35.019 ГОСТ 7796-70	2	Bolt
	10	8T OCT 37.001.115-75	6	Washer
	11	70-1406109	1	Oil pipe
	12	M8-6gx45.88.35.019 ГОСТ 7795-70	4	Bolt
	13	C 8.01.019 ГОСТ 11371-78	4	Washer
	14	M8-6H.6.019 ГОСТ 5915-70	6	Nut
	15	600-1405117	1	Oil pipe
	16	70-1405011	1	Pipe
	17	70-1405112	1	Clamp
	18	70-1405230	1	Filter
	19	245-1405010-A	1	Oil radiator
	20	70-1405110	1	Oil pipe
	21	40-4607032	1	Bolt

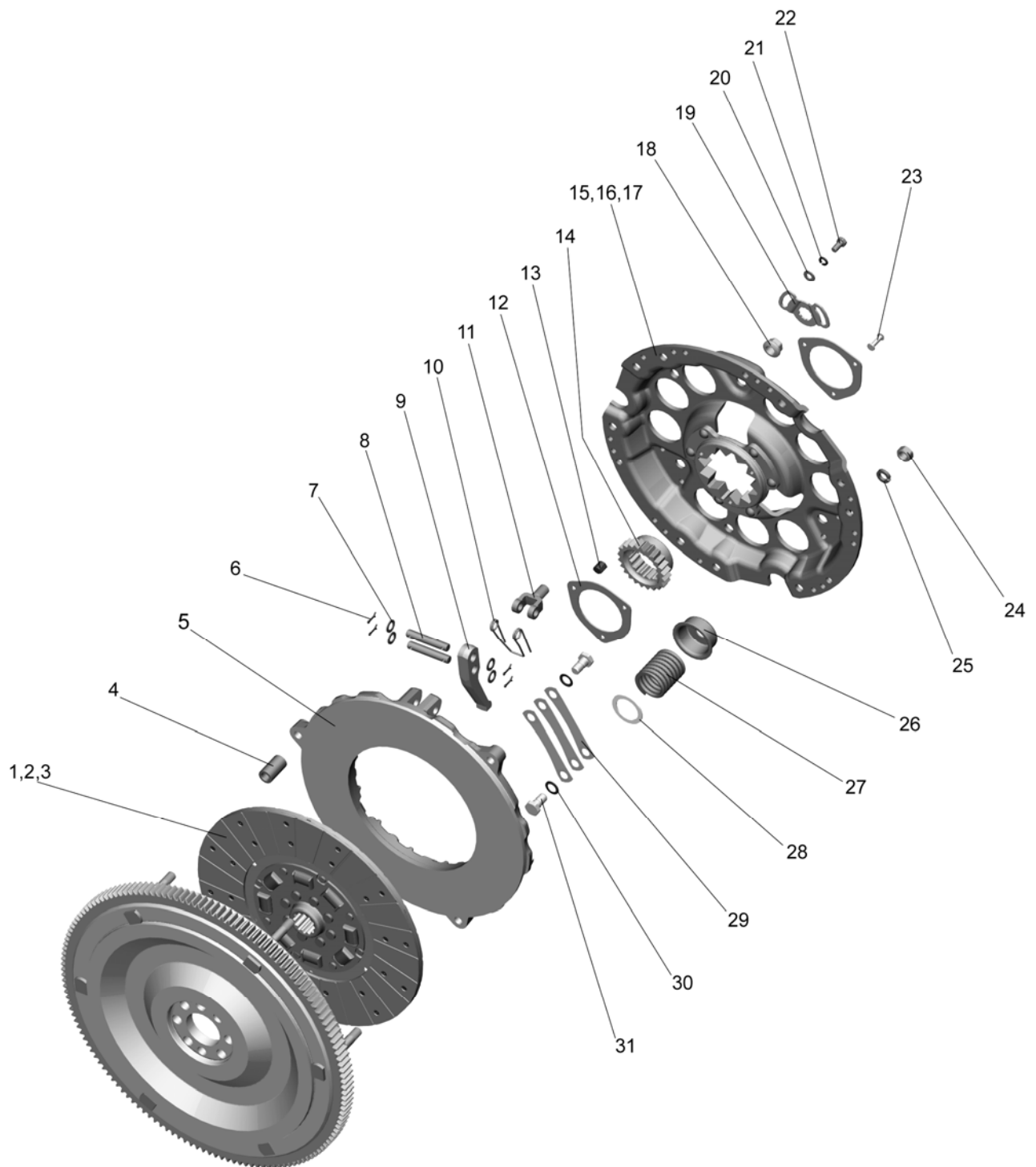


Fig.28. Clutch installation 240-1005009

Group 16. Clutch
Subgroup 1601. Clutch plates

Fig. No	Pos.No	Indication	Q-ty	Designation
28		240-1005009	1	Clutch installation (1-31)
		80-1601090	1	Clutch plate (5-15, 18-31)
		85-1601120-Б	1	Back plate (12-15, 23)
	1	85-1601130-01 or 85-1601130-02	1	Driven plate (engages 2, 3)
	2	70-1601138-01 or 70-1601138-02	2	Friction lining (enclosed into 1)
	3	2-4x8.32 ГОСТ 12642-80	24	Rivet (enclosed into 1)
	4	70-1601074	6	Bushing
	5	80-1601093	1	Pressure plate
	6	3,2x18.019 ГОСТ 397-79	12	Cotter pin
	7	85-1601108	12	Washer
	8	85-1601096	6	Pin
	9	85-1601094	3	Release lever
	10	85-1601083	3	Spring
	11	85-1601097	3	Fork
	12	70-1601062	2	Washer
	13	70-1601091	12	Damper
	14	70-1601053	1	Bushing
	15	85-1601125-Б	1	Back plate (assembled with 16 and 17)
	16	70-1601051	1	Hub (enclosed into 15)
	17	8x22.01 ГОСТ 10299-80	6	Rivet (enclosed into 15)
	18	85-1601109-A	3	Adjusting nut
	19	85-1601086	3	Retaining washer
	20	C 8.01.019 ГОСТ 11371-78	6	Washer
	21	8T OCT 37.001.115-75	6	Washer
	22	M8-6gx16.88.35.019 ГОСТ 7796-70	6	Bolt
	23	6x30.01 ГОСТ 10299-80	3	Rivet
	24	M12x1,25-6H.6.019 ГОСТ 5915-70	9	Nut
	25	12 OT OCT 37.001.115-75	9	Washer
	26	85-1601072-Б	9	Sleeve
	27	85-1601115	9	Spring
	28	85-1601118-Б	9	Insulating washer
	29	85-1601124	9	Plate
	30	85-1601121	6	Washer
	31	85-1601126	6	Bolt

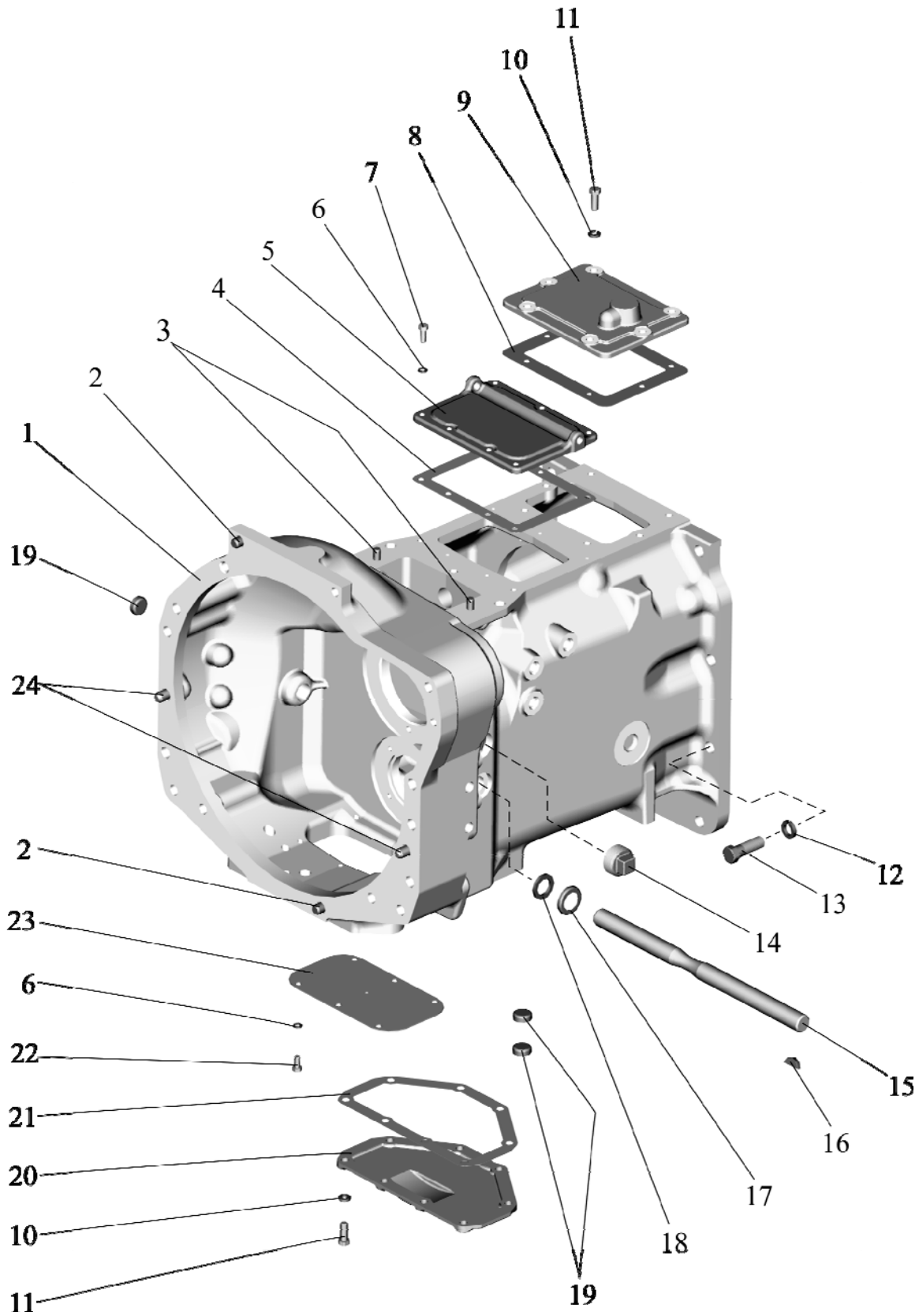


Fig.29. Clutch housing

Group 16. Clutch
Subgroup 1601. Clutch housing

Fig. No	Pos.No	Indication	Q-ty	Designation
29		50-1600010	1	Clutch housing (single-speed PTO, without reducing gear) fig.29: 1, 3-11, 14-23; fig.30: 3-8; fig.31: 1-23; fig.32: 1-14.
	1	70-1601015	1	Clutch housing
	2	Д01-015	2	Locating pin
	3	ШЦК 10x25	2	Pin
	4	50-1601345	1	Gasket
	5	70-1601344	1	Cover
	6	8T OCT 37.001.115-75	11	Washer
	7	M8-6gx20.88.35.019 ГОСТ 7796-70	7	Bolt
	8	50-1601347	1	Gasket
	9	70-1723015-01	1	Cover
	10	10 OT OCT 37.001.115-75	14	Washer
	11	M10-6gx25.88.35.019 ГОСТ 7796-70	14	Bolt
	12	16 OT OCT 37.001.115-75	10	Washer
	13	M16-6gx50.88.35.019 ГОСТ 7796-70	10	Bolt
	14	ПК КГ 1¼"	1	Plug
	15	50-1601215	1	Shift yoke shaft
	16	СШ-611	1	Key 6x11
	17	36-1601016	1	Dust deflector housing
	18	80-4608024	1	Ring
	19	50-1601022	3	Blind plug
	20	50-1601315	1	Cover
	21	70-1601314	2	Gasket
	22	M8-6gx16.88.35.019 ГОСТ 7796-70	4	Bolt
	23	50-1601341	1	Cover
	24	50-1601352	2	Locating pin

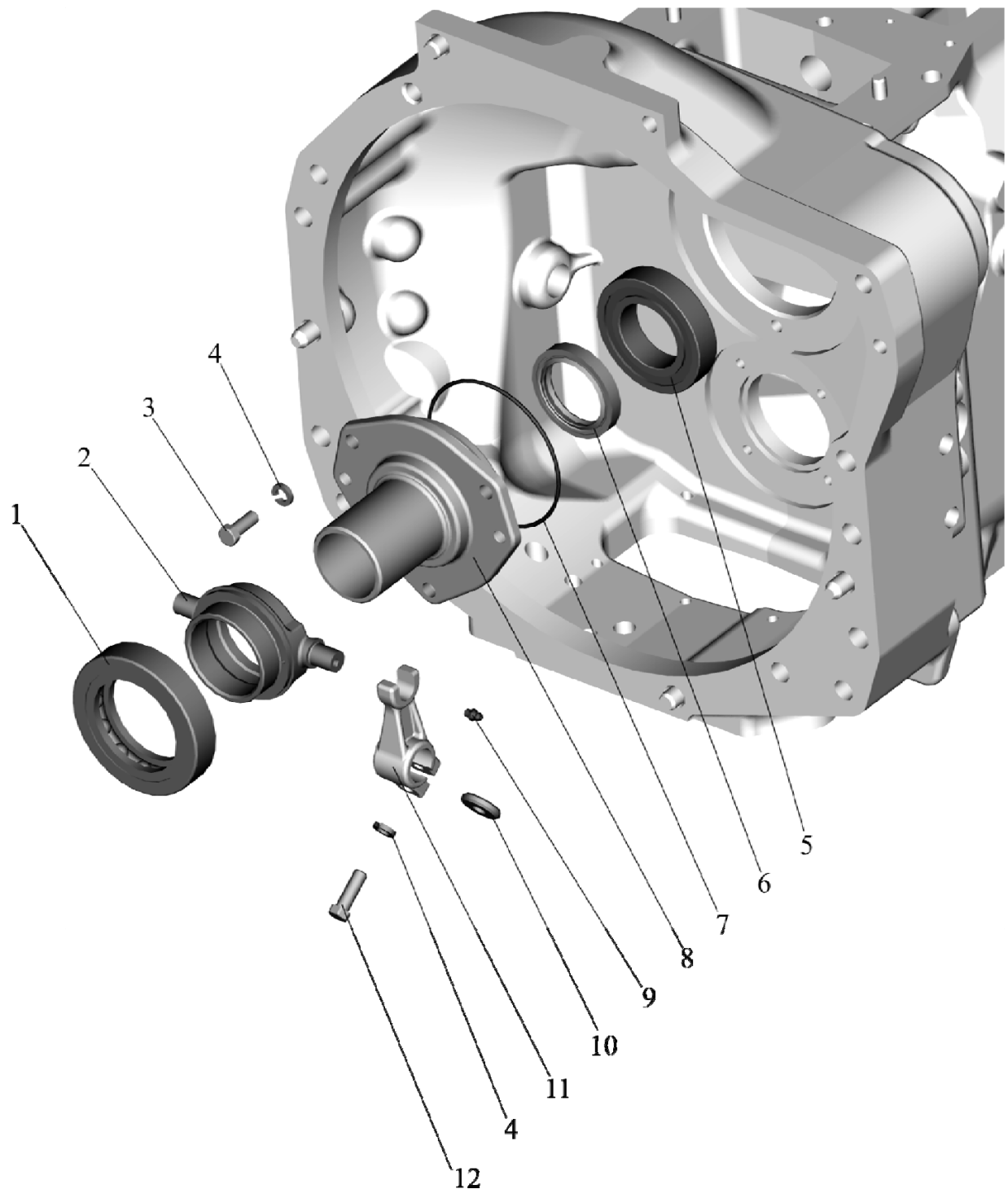


Fig.30. Clutch housing. Clutch release yoke

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

Fig. No	Pos.No	Indication	Q-ty	Designation
30	1	986714K1C23	1	Bearing
	2	50-1601185-A	1	Clutch release yoke
	3	M10-6gx25.88.35.019 ГОСТ 7796-70	3	Bolt
	4	10 OT OCT 37.001.115-75	5	Washer
	5	60210 АУШ1 ГОСТ 7242-81	1	Bearing
	6	240-1002055	1	Collar (enclosed into 8)
	7	110-115-30-1-4 ГОСТ 18829-73/9833-73	1	Ring
	8	50-1601172-A	1	Bracket of clutch release yoke (assembled with 6)
	9	1.1.Ц9.xp ГОСТ 19853-74	1	Lubricating plug
	10	50-1601218	2	Key
	11	50-1601203	2	Fork
	12	M10-6gx30.88.35.019 ГОСТ 7796-70	2	Bolt

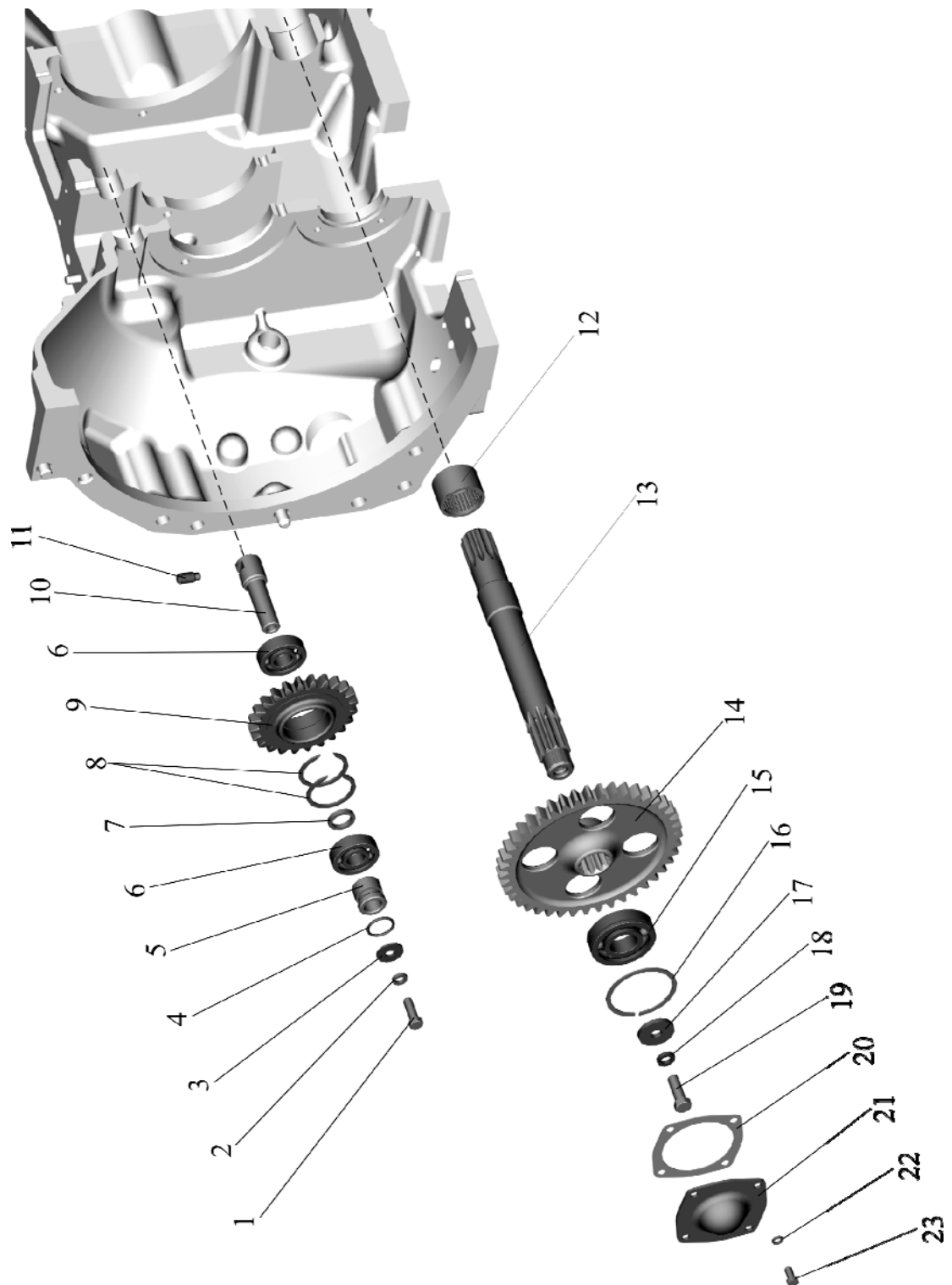


Fig.31. Clutch housing (PTO drive, pump drive of hydraulic lift system)

Group 16. Clutch
Subgroup 1601. Clutch housing
(PTO drive, pump drive of hydraulic lift system)

Fig. No	Pos.No	Indication	Q-ty	Designation
31	1	M10-6gx30.88.35.019 ГОСТ 7796-70	1	Bolt
	2	10 OT OCT 37.001.115-75	1	Washer
	3	C 10x6.01.019 ГОСТ 6958-78	1	Washer
	4	025-030-30-1-4 ГОСТ 18829-73/9833-73	1	Ring
	5	50-1601336	1	Thrust bushing
	6	304A ГОСТ 8338-75	2	Bearing
	7	50-1601333	1	Distance washer
	8	50-1701464	2	Spring ring
	9	50-1601331-A	1	Idler gear
	10	50-1601335	1	Gear shaft
	11	B.M12-6gx25.14H.019 ГОСТ 1478-93	1	Screw
	12	942/40 ГОСТ 4060-78	1	Bearing
	13	50-1601021	1	Driven shaft
	14	50-1601088	1	PTO drive gear
	15	6-50306K ГОСТ8338-75/ГОСТ2893-82	1	Bearing
	16	72 ГОСТ 2893-82	1	Ring
	17	50-1601038	1	Pressure washer
	18	12 OT OCT 37.001.115-75	1	Washer
	19	M12-6gx35.88.35.019 ГОСТ 7796-70	1	Bolt
	20	50-1601091	1	Gasket
	21	50-1601089	1	Bearing cover
	22	8T OCT 37.001.115-75	4	Washer
	23	M8-6gx16.88.35.019 ГОСТ 7796-70	4	Bolt

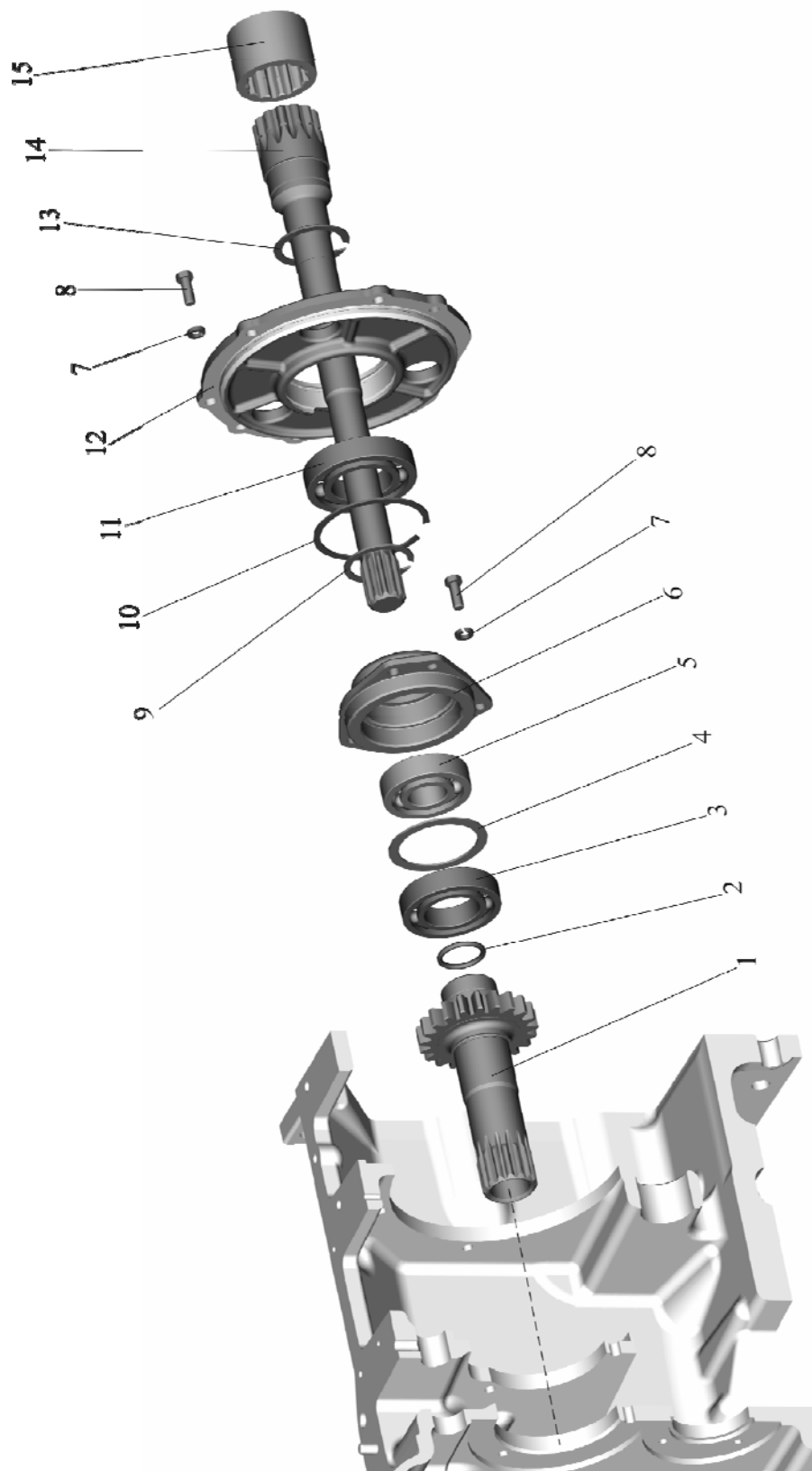


Fig.32. Clutch housing. Shafts.

Group 16. Clutch
Subgroup 1601,1721. Clutch housing. Shafts.

Fig. No	Pos.No	Indication	Q-ty	Designation
32		70-1721020-B		Shaft assembly (7, 9-14)
	1	50-1601026-A	1	PTO drive shaft
	2	50-1601321	1	Ring
	3	210 АУШ1 ГОСТ8338-75	1	Bearing
	4	50-1601027	1	Thrust washer
	5	307A ГОСТ 8338-75	1	Bearing
	6	70-1601028	1	Bracket
	7	10 ОТ OCT 37.001.115-75	7	Washer
	8	M10-6gx25.88.35.019 ГОСТ 7796-70	7	Bolt
	9	2C55 ГОСТ 13940-86	1	Ring
	10	2C100 ГОСТ 13941-86	1	Ring
	11	211 АУШ1 ГОСТ8338-75	1	Bearing
	12	70-1721022	1	Support cover
	13	2C60 ГОСТ 13940-86	1	Ring
	14	70-1721113-B	1	Shaft
	15	70-1721045	1	Coupling

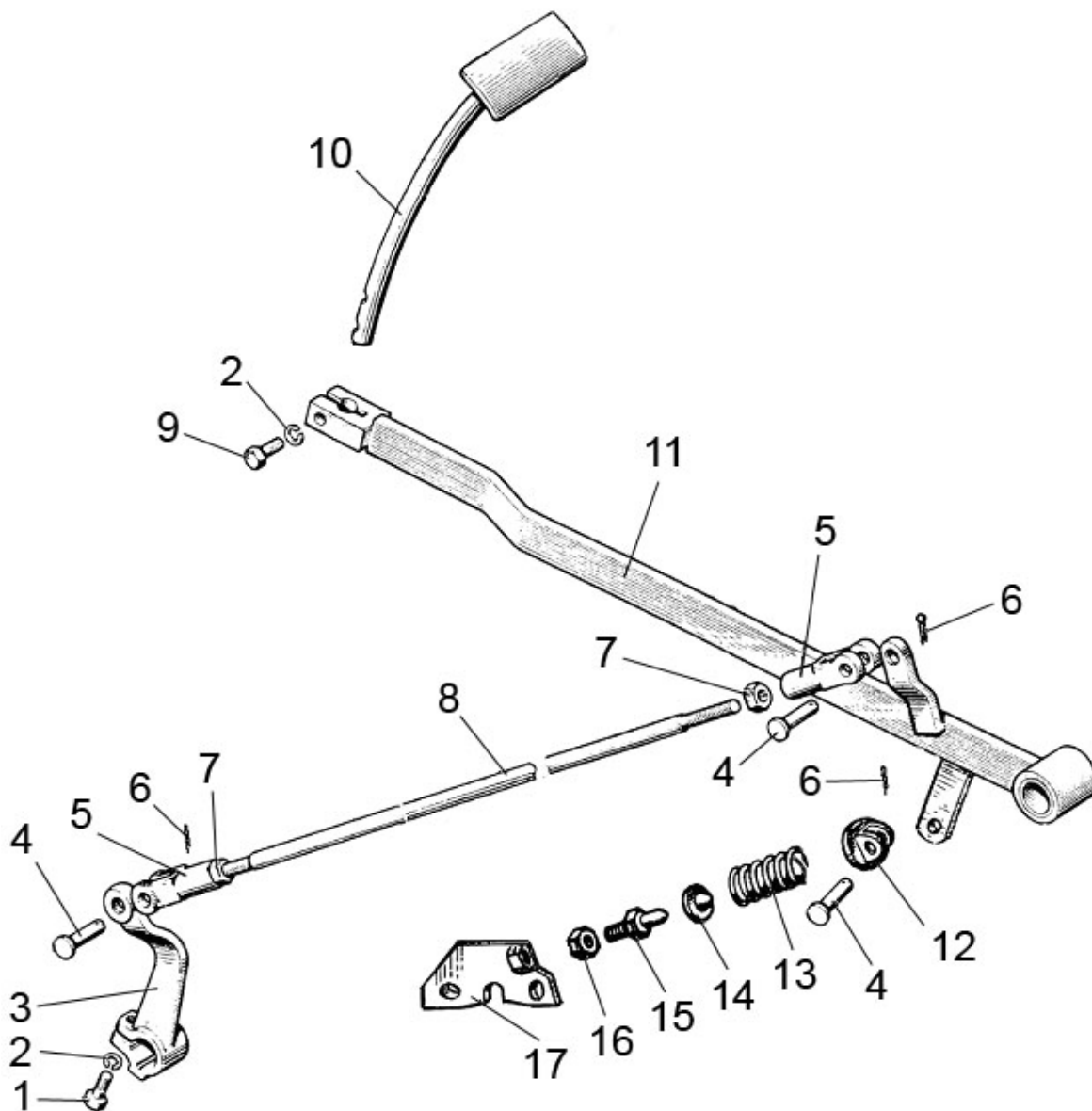


Fig.33. Clutch control

Group 16. Clutch
Subgroup 1602. Clutch control

Fig. No	Pos.No	Indication	Q-ty	Designation
33		50-1602110-B1	1	Rod (5, 7, 8)
	1	M12-6gx35.88.35.019 ГОСТ 7796-70	1	Bolt
	2	12 OT OCT 37.001.115-75	2	Washer
	3	80-1601219-B	1	Lever
	4	12x32 OCT 37.001.163-75	3	Pin
	5	50-3502203	2	Fork
	6	3,2x18.019 ГОСТ 397-79	3	Cotter pin
	7	M12x1,25-6H.6.019 ГОСТ 5915-70	2	Nut
	8	50-1602112-B	1	Rod
	9	M12-6gx30.88.35.019 ГОСТ 7796-70	1	Bolt
	10	70-1602040	1	Cushion rod
	11	70-1602020-B	1	Pedal
	12	50-1602027	1	Thrust
	13	50-1602032	1	Spring
	14	50-1602029	1	Thrust
	15	80-1602033	1	Thrust bolt
	16	M16-6H.6.019 ГОСТ 5915-70	1	Nut
	17	80-1602075-B	1	Bracket

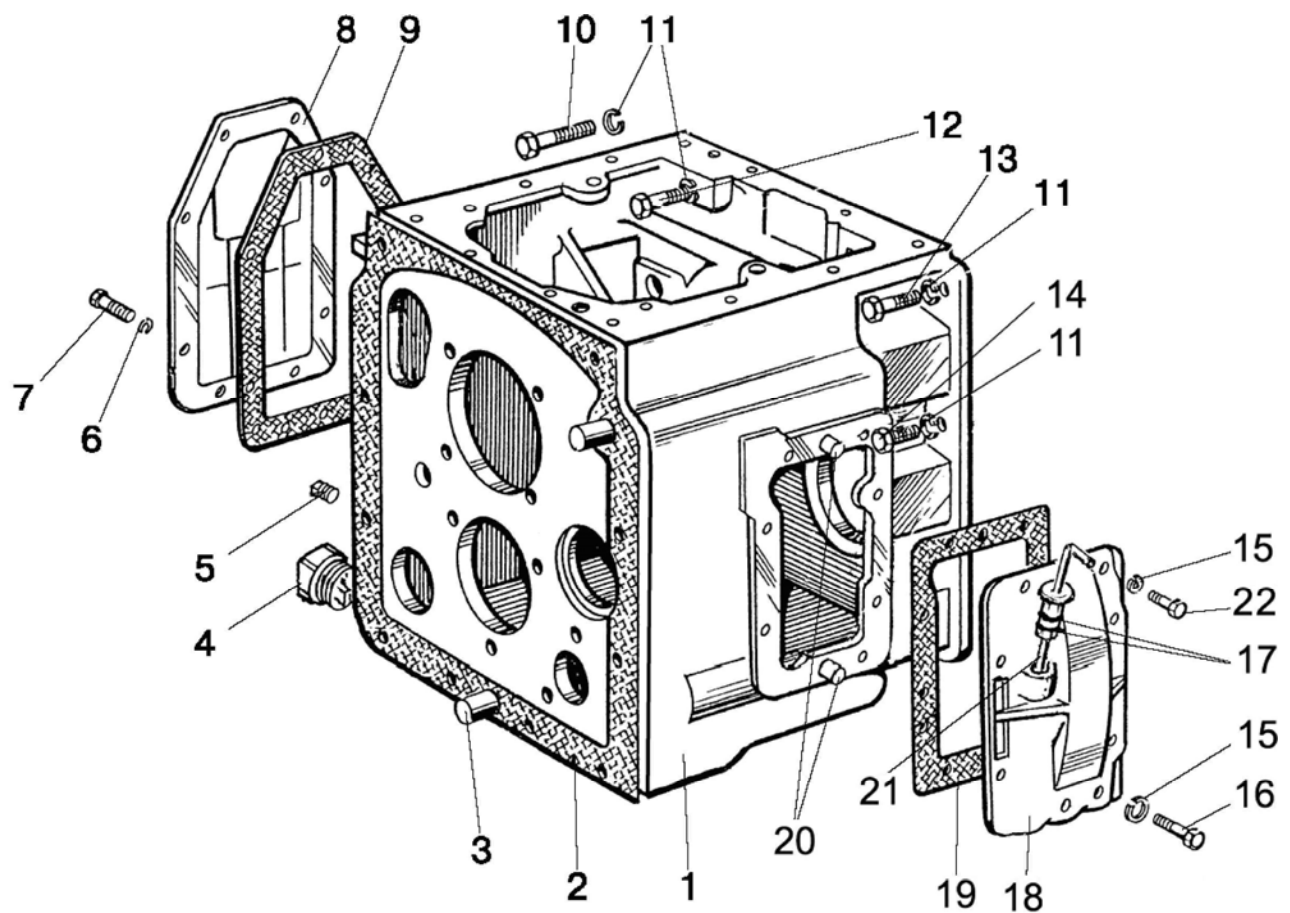


Fig.34. Gearbox. Gearbox casing

Group 17. Gearbox
Subgroup 1701. Gearbox. Gearbox casing

Fig. No	Pos.No	Indication	Q-ty	Designation
34		50-1700010* 52-1700010**	1	Gearbox
	1	50-1701025-A	1	Gearbox casing
	2	50-1701026	1	Gasket
	3	50-4605027	2	Pin
	4	70-1701300	1	Plug 1 1/4"
	5	ПК КГ 3/8"	1	Plug
	6	10 ОТ OCT 37.001.115-75	8	Washer
	7	M10-6gx35.88.35.019 ГОСТ 7796-70	8	Bolt
	8	50-1701458*	1	Right cover
	9	50-1701459	1	Gasket
	10	M16-6gx100.88.35.019 ГОСТ 7795-70	2	Bolt
	11	16 ОТ OCT 37.001.115-75	11	Washer
	12	M16-6gx60.88.35.019 ГОСТ 7795-70	2	Bolt
	13	M16-6gx55.88.35.019 ГОСТ 7796-70	5	Bolt
	14	M16-6gx50.88.35.019 ГОСТ 7796-70	2	Bolt
	15	12 ОТ OCT 37.001.115-75	7	Washer
	16	M12-6gx35.88.35.019 ГОСТ 7796-70	5	Bolt
	17	011-015-25-2-4 ГОСТ 18829-73/9833-73	2	Ring
	18	70-1701454-A2	1	Cover
	19	50-1701456-A	1	Gasket
	20	Д01-015	2*/4**	Pin
	21	70-1701415-A	1	Oil gauge
	22	M12-6gx45.88.35.019 ГОСТ 7796-70	2	Bolt

* For tractors "BELARUS-510/510.1/520"

** For tractors "BELARUS-512/512.1/522"

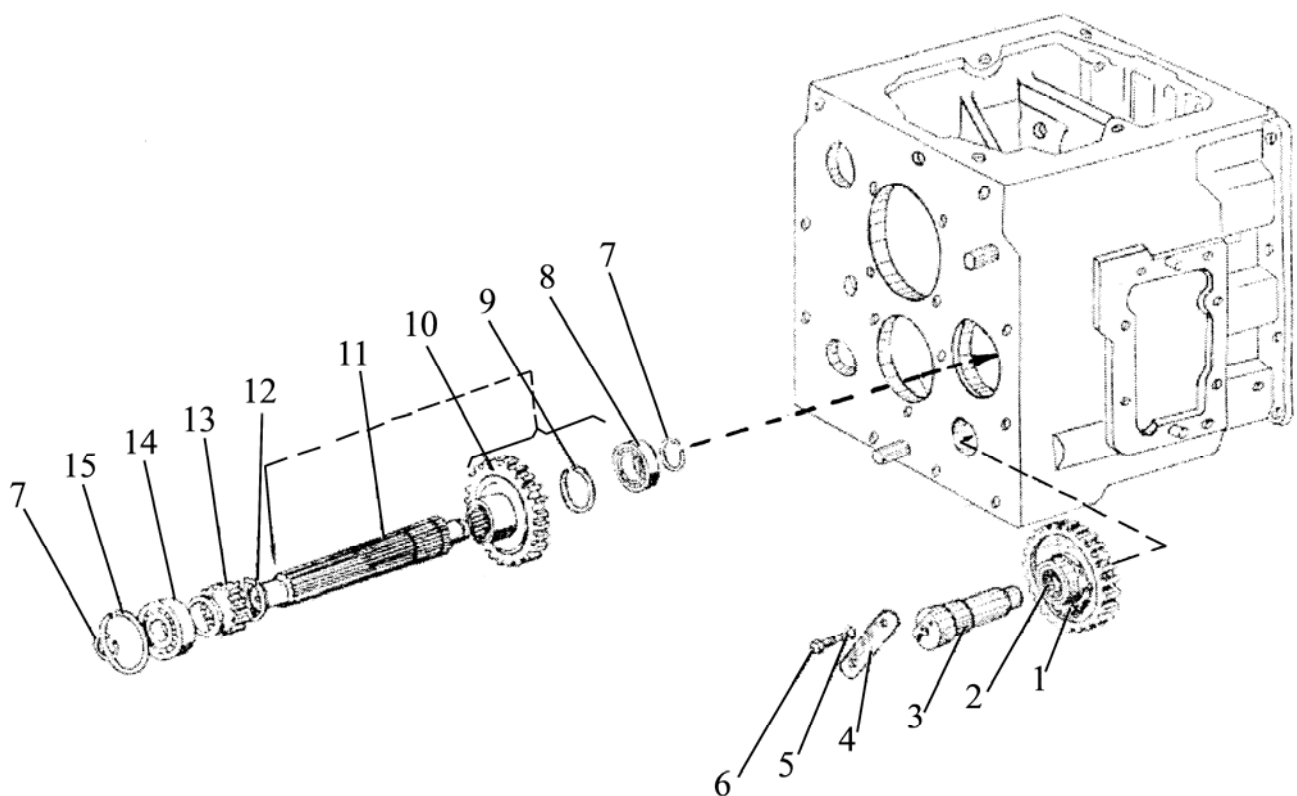


Fig.35. First speed and reverse motion shaft

Group 17. Gearbox
Subgroup 1701. First speed and reverse motion shaft

Fig. No	Pos.No	Indication	Q-ty	Designation
35		70-1701080	1	Gear (1,2)
		50-1701380-A	1	First speed and reverse motion shaft (7-14) (without reducing gear)
	1	70-1701082	1	Reverse idler gear
	2	3KK30x35x46E TY PБ 00234873.003-99	1	Bearing
	3	50-1701434-A	1	Axis
	4	50-1702082-A	1	Plate
	5	10 OT OCT 37.001.115-75	2	Washer
	6	M10-6gx25.88.35.019 ГОСТ 7796-70	2	Bolt
	7	XЧМ-1701163	2	Ring
	8	208A ГОСТ 8338-75	1	Bearing
	9	2C50 ГОСТ 13940-86	2	Ring
	10	50-1701212-A	1	Gear
	11	50308A ГОСТ8338-75/ГОСТ2893-82	1	Bearing
	12	90 ГОСТ 2893-82	1	Ring
	13	50-1701382-A	1	First speed and reverse motion shaft
	14	Φ50-1701224	1	Gear

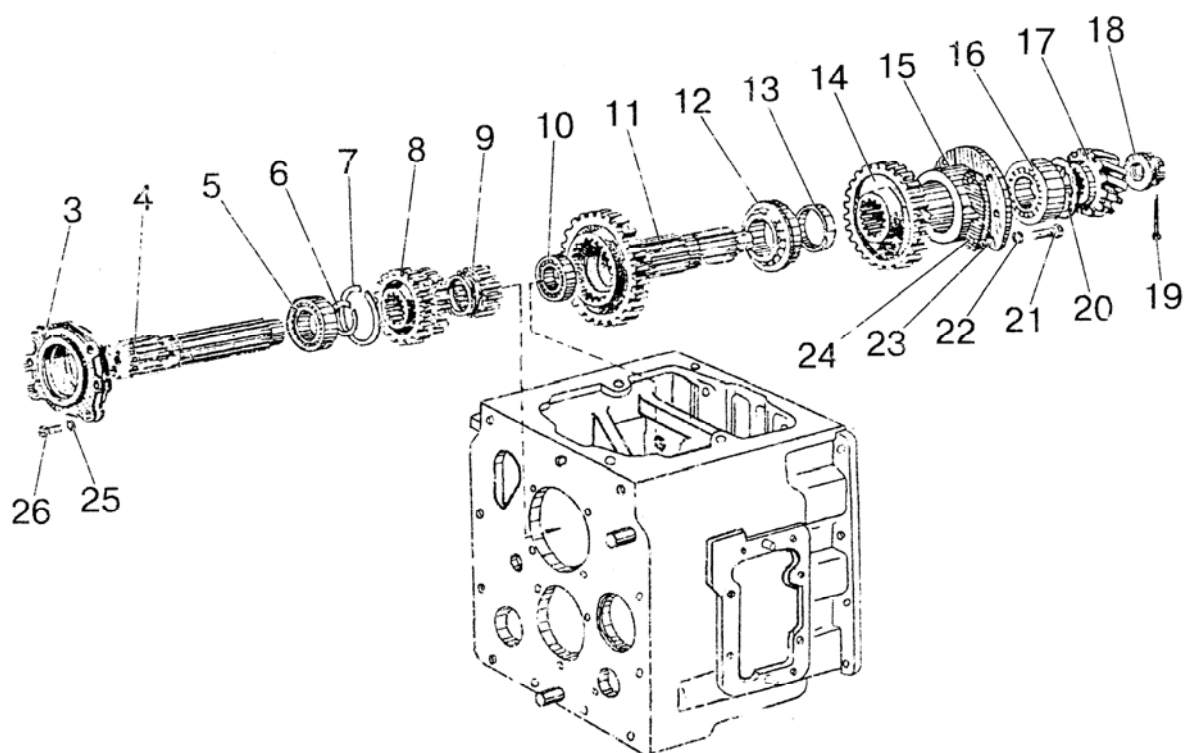


Fig.36. Primary shaft. Secondary shaft

Group 17. Gearbox
Subgroup 1701. Primary shaft. Secondary shaft

Fig. No	Pos.No	Indication	Q-ty	Designation
36		48-1701030-A	1	Primary shaft (3-9)
		50-1701040	1	Secondary shaft (10-13)
		50-1701050	1	Bearing sleeve (15, 16)
	3	50-1701034	1	Shaft sleeve
	4	48-1701032-A	1	Primary shaft
	5	210 АУШ1 ГОСТ 8338-75	1	Bearing
	6	2С50 ГОСТ 13940-86	1	Ring
	7	2С90 ГОСТ 13940-86	2	Ring
	8	50-1701048-A	1	4 th and 5 th speed gear
	9	50-1701045	1	3 rd speed gear
	10	208А ГОСТ 8338-75	1	Bearing
	11	50-1701252	1	Secondary shaft
	12	6-67512 АШ2 ГОСТ 27365-87	1	Bearing
	13	50-1701312	1	Distance bushing
	14	50-1701314	1	2 nd stage reducing gear
	15	50-1701255	1	Sleeve
	16	6-7610АШ2 ГОСТ 27365-87	1	Bearing
	17	50-1701105-Б*	1	Final drive pinion
	18	50-1701253	1	Nut M36x1,5
	19	5x45 ГОСТ 397-79	1	Cotter pin
	20	50-1701254-A	1	Washer
	21	M12-6gx35.88.35.019 ГОСТ 7796-70	4	Bolt
	22	12 OT OCT 37.001.115-75	4	Washer
	23	50-1701259	2	Adjusting shim 0,5 mm
	24	50-1701258	10	Adjusting shim 0,2 mm
	25	10 OT OCT 37.001.115-75	4	Washer
	26	M10-6gx25.88.35.019 ГОСТ 7796-70	4	Bolt

*Supplied for spare parts only in set with 50-2403014-A

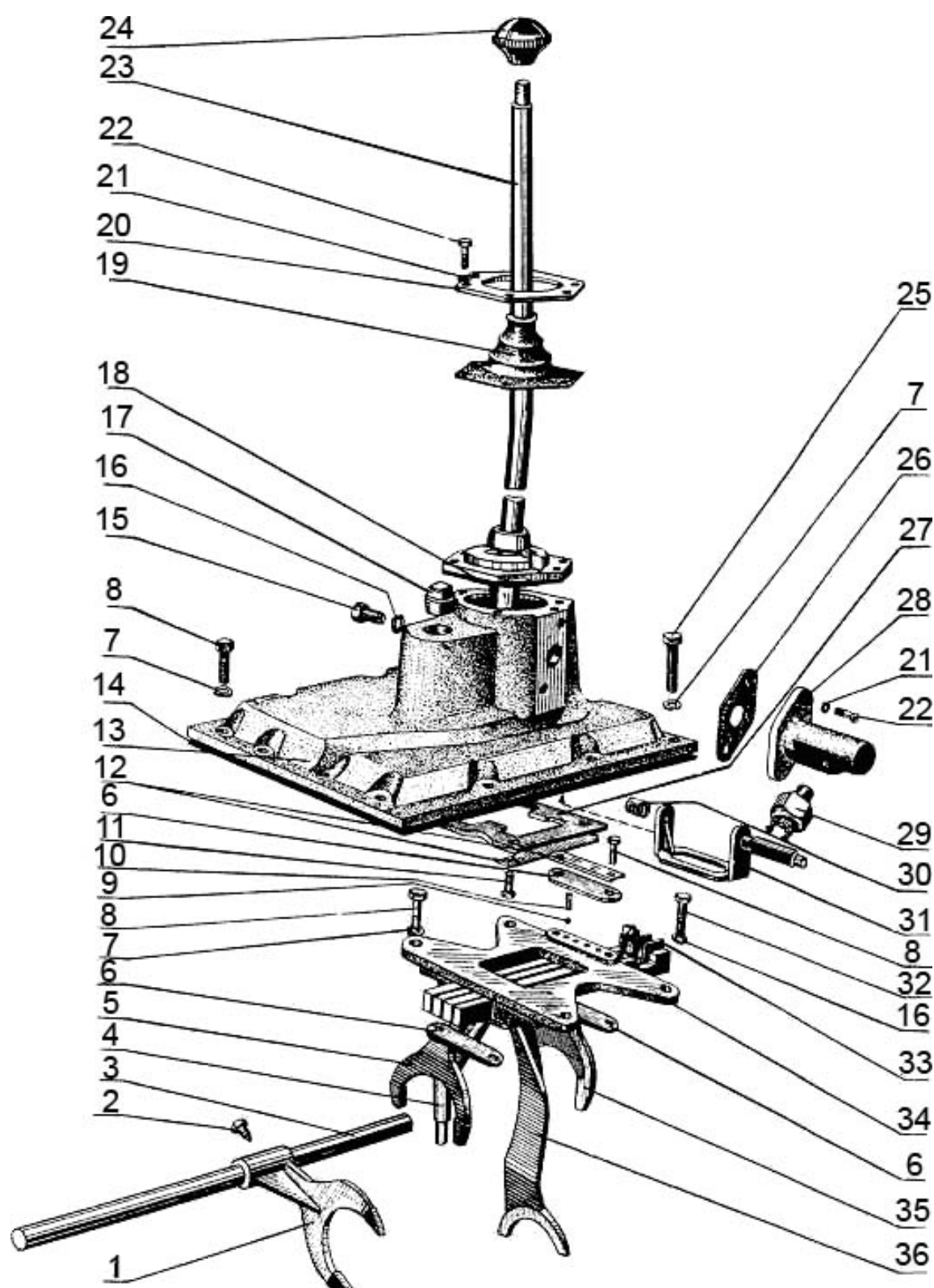


Fig.37. Gearbox cover

Group 17. Gearbox
Subgroup 1702,1703. Gearbox cover.

Fig. No	Pos.No	Indication	Q-ty	Designation
37		70-1702010	1	Gearbox cover (11-13, 15-19, 21-24, 27-32)
		50-1702080-A	1	Fork housing (4-7, 9, 10, 12, 34-37)
	1	50-1702028	1	Shifter fork of reducing gear
	2	36-1702110	1	Seat screw
	3	50-1702063	1	Shaft
	4	50-1702095-A1	1	Arm
	5	50-1702116	1	4 th and 5 th speed shifter fork
	6	50-1702081	3	Shifter fork plate
	7	10 OT OCT 37.001.115-75	14	Washer
	8	M10-6gx25.88.35.019 FOCT 7796-70	18	Bolt
	9	10,0-60 FOCT 3722-81	4	Ball
	10	50-1702148-A	4	Detent spring
	11	M10-6gx18.88.35.019 FOCT 7796-70	4	Bolt
	12	50-1702107-A	2	Locking plate
	13	50-1702025-A	1	Cover
	14	50-1702026	1	Gasket
	15	M12-6gx25.88.35.019 FOCT 7796-70	1	Bolt
	16	12 OT OCT 37.001.115-75	3	Washer
	17	ПК КГ 1 1/4"	1	Plug
	18	50-1702121	1	Gasket
	19	50-1702236	1	Boot
	20	50-1702231	1	Pressure ring
	21	8T OCT 37.001.115-75	8	Washer
	22	M8-6gx25.88.35.019 FOCT 7796-70	8	Bolt
	23	70-1702020-A	1	Shifting lever
	24	70-1702125	1	Handle
	25	M10-6gx60.88.35.019 FOCT 7795-70	2	Bolt
	26	50-1702045	1	Gasket
	27	50-1702084	1	Limiting plate
	28	50-1702044	1	Bushing
	29	BK 12-51 ТУ РБ 37334210.004-97	1	Switch
	30	36-1301163	1	Spring
	31	70-1702040-01	1	Frame
	32	50-1702092	2	Reamed bolt (M12x42)
	33	50-1702083	3	Locking plate
	34	50-1702085	1	Fork housing
	35	50-1702096	1	3 rd speed shifter fork
	36	74-1702086	1	1 st speed and reverse shifter fork

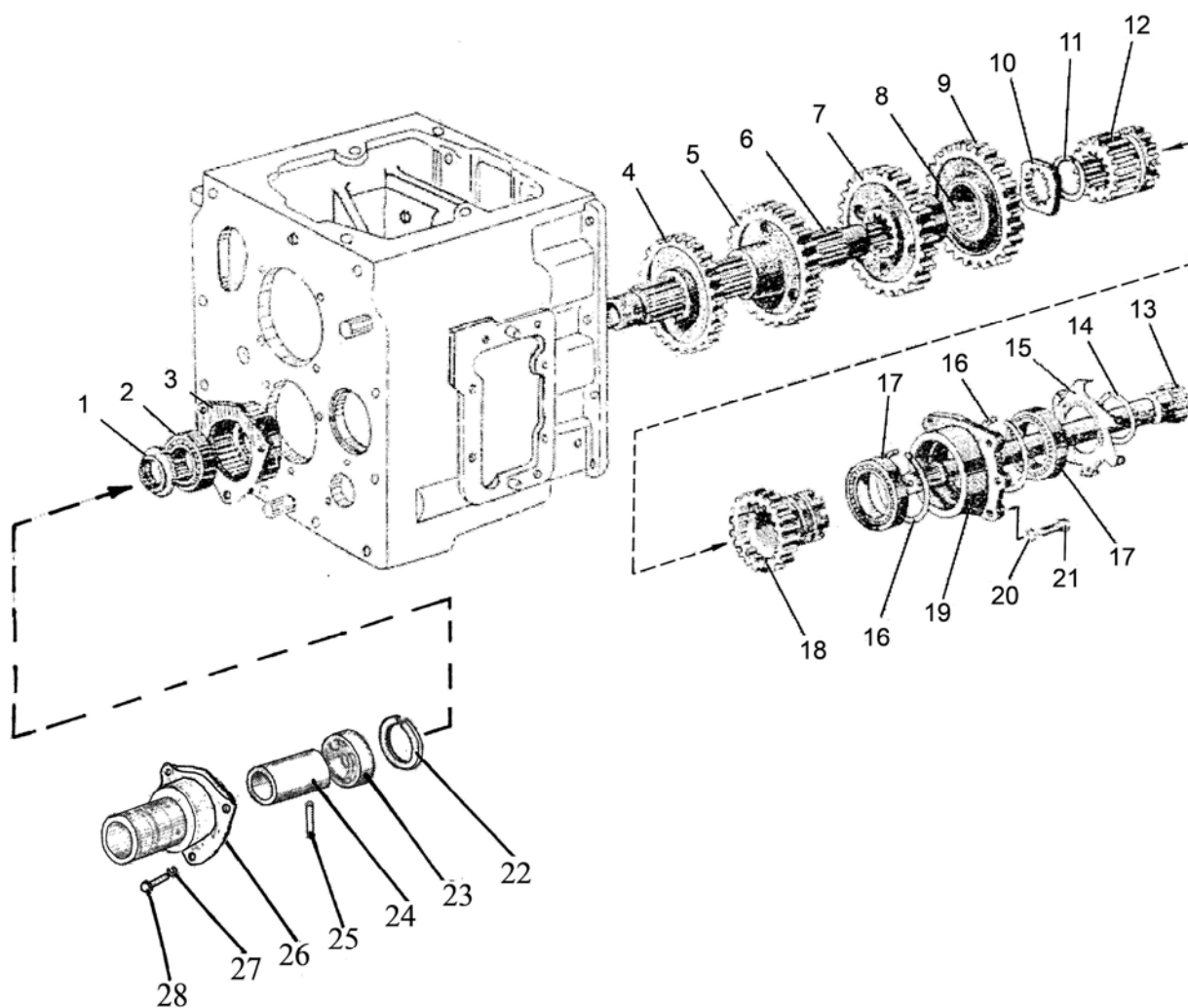


Fig.38. Inner shaft. Countershaft

**Group 17. Gearbox
Subgroup 1701. Inner shaft. Countershaft**

Fig. No	Pos.No	Indication	Q-ty	Designation
38		50-1701190	1	2 nd stage reducing gear (14-19)
		50-1701200	1	Bearing seat (2-3)
	1	50-1701181	1	Shaft nut
	2	60210 АУШ1 ГОСТ 7242-81	1	Bearing
	3	50-1701184	1	Bearing seat
	4	50-1701218	1	5 th speed and reverse gear
	5	50-1701216	1	4 th speed gear
	6	70-1701182-Б	1	Countershaft
	7	50-1701214	1	3 rd speed gear
	8	3KK72x82x45E TY PБ 00234873.003-99	1	Bearing
	9	Φ50-1701056-Б	1	Idler gear
	10	50-1701183	1	Washer
	11	50-1701187	1	Thrust
	12	70-1701196	1	1 st stage reducing gear
	13	50-1701185	1	Inner shaft
	14	2C75 ГОСТ 13940-86	1	Ring
	15	50-1701401	1	Impeller
	16	2C115 ГОСТ 13941-86	2	Ring
	17	6-12115 ЕМУШ1 ГОСТ 8338-75	2	Bearing
	18	50-1701198-А	1	2 nd stage reducing gear
	19	50-1701195	1	Sleeve
	20	12 OT OCT 37.001.115-75	4	Washer
	21	M12-6gx35.88.35.019 ГОСТ 7796-70	4	Bolt
	22	2C80 ГОСТ 13941-86	1	Ring
	23	307A ГОСТ 8338-75	1	Bearing
	24	50-1701188	1	Bushing
	25	A.8x45.65Г ГОСТ 14229-93	1	Pin
	26	70-1701186	1	Seat
	27	10 OT OCT 37.001.115-75	3	Washer
	28	M10-6gx35.88.35.019 ГОСТ 7796-70	3	Bolt

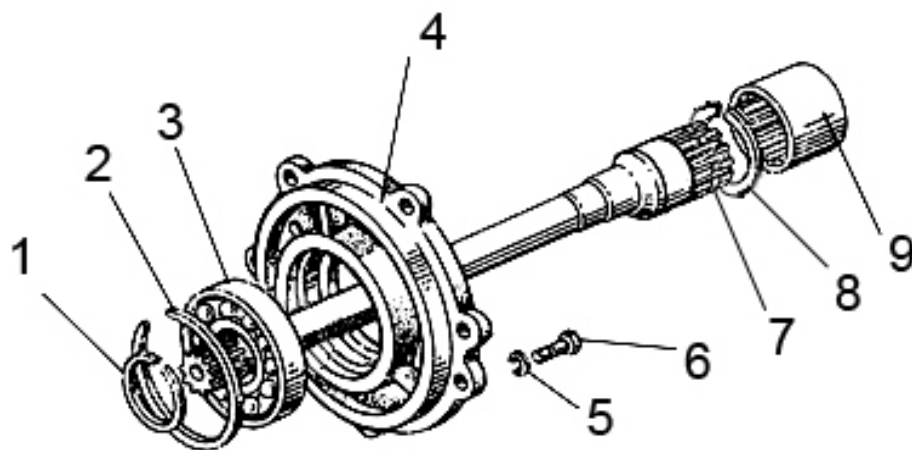


Fig.39. Clutch shaft

Group 17. Gearbox
Subgroup 1721. Clutch shaft

Fig. No	Pos.No	Indication	Q-ty	Designation
39		70-1721020-B	1	Clutch shaft (1-4, 7)
	1	2C55 ГОСТ 13940-86	1	Ring
	2	2C100 ГОСТ 13941-86	1	Ring
	3	211 АУШ1 ГОСТ8338-75	1	Bearing
	4	70-1721022	1	Supporting cover
	5	10 OT OCT 37.001.115-75	4	Washer
	6	M10-6gx25.88.35.019 ГОСТ 7796-70	4	Bolt
	7	70-1721113-B	1	Clutch shaft
	8	2C60 ГОСТ 13940-86	1	Ring
	9	50-1601083	1	Bushing

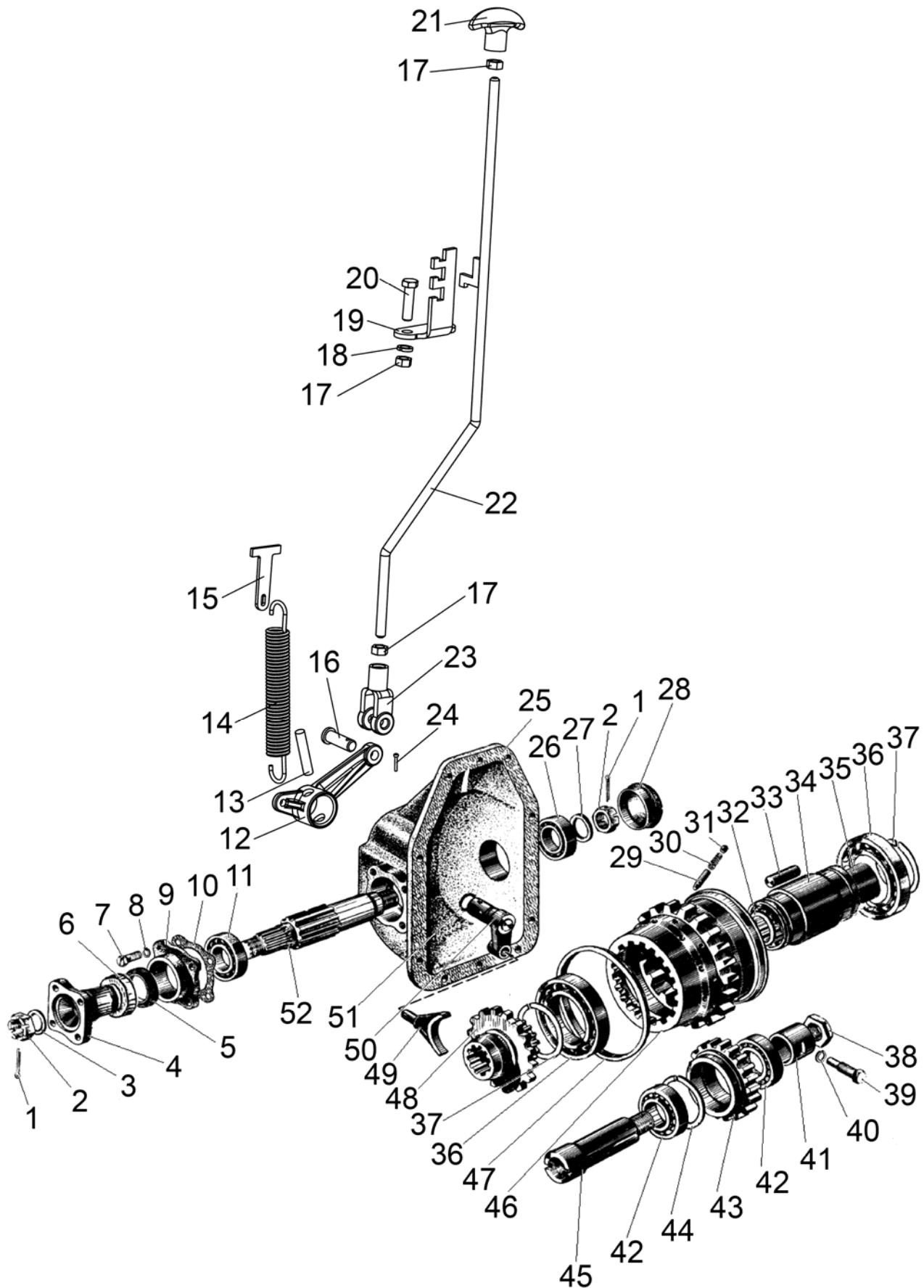


Fig.40. Transfer gearbox of FDA drive. (For tractors "BELARUS-512/512.1/522")

Group 18. Transfer gearbox
Subgroup 1802. Transfer gearbox for FDA drive
(For tractors "BELARUS-512/512.1/522")

Fig. No	Pos.No	Indication	Q-ty	Designation
40		72-1802020	1	Transfer gearbox (1-13, 34-61)
		72-1802060	1	Gear with overrunning clutch (38-40, 42-46)
		52-1802094PH	1	Axis (47, 54) (for spare parts only)
		52-1802095-B	1	Idler gear (51-53)
		52-1802100-A	1	Housing (5, 6, 9)
		52-1802110-A	1	Set of rollers (38-40, 42) (for spare parts only)
		72-1802125PB	1	Gear (41, 57, 61, 72-1802060) (for spare parts only)
	1	4x25.019 ГОСТ 397-79	2	Cotter pin
	2	70-3003032	2	Nut
	3	52-1802079	1	Washer
	4	52-1802078-A	1	Flange
	5	2.2-38x58-1 ГОСТ 8752-79	1	Collar
	6	72-1802108	1	Holder
	7	M8-6gx25.88.35.019 ГОСТ 7796-70	4	Bolt
	8	8T OCT 37.001.115-75	7	Washer
	9	52-1802073	1	Housing
	10	52-1802074	1	Gasket
	11	306K5 ГОСТ 8338-75	1	Bearing
	12	52-1802082	1	Lever
	13	10x40.65Г ГОСТ 14229-93	1	Pin
	14	50-1605152	1	Spring
	15	72-1802106	1	Hinge strain
	16	8x30 OCT 37.001.163-75	1	Pin
	17	M8-6H.6.019 ГОСТ 5915-70	4	Nut
	18	8T OCT 37.001.115-75	2	Washer
	19	72-1802127-A	1	Post
	20	M8-6gx25.88.35.019 ГОСТ 7796-70	2	Bolt
	21	50-1310136-A	1	Handle
	22	72-1802130-B	1	Rod
	23	A20-213-A	1	Fork
	24	3,2x18.019 ГОСТ 397-79	1	Cotter pin
	25	52-1802065-A	1	Housing
	26	305A ГОСТ 8338-75	1	Bearing
	27	72-1802064	1	Washer
	28	52-1802076	1	Cover
	29	52-1802069-B	16	Pin
	30	52-1802066-A	16	Spring
	31	52-1802111	16	Plug
	32	70-1601082	2	Washer
	33	52-1802077	8	Roller
		52-1802077PH	8	Roller (for spare parts only)
	34	72-1802131-B	1	Bushing
	35	943/30 ГОСТ 4060-78	2	Bearing
	36	115 ГОСТ 8338-75	2	Bearing
	37	52-1802102	2	Ring
	38	52-1802128	1	Nut
	39	52-1802093	1	Screw
	40	12 OT OCT 37.001.115-75	1	Washer
	41	52-1802092-B	1	Bushing
	42	7306A ГОСТ 27365-87	2	Bearing
	43	52-1802091	1	Gear

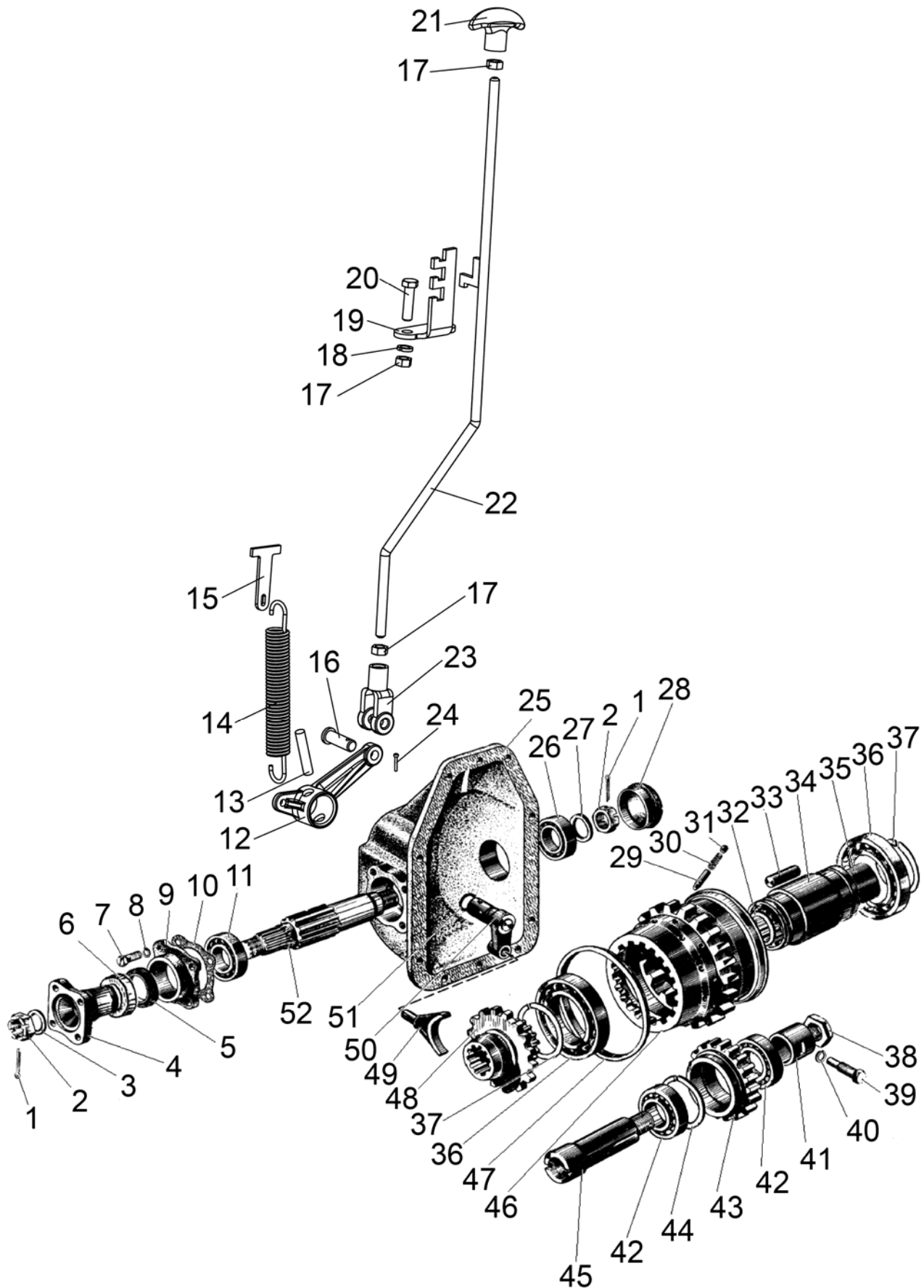


Fig.40. Transfer gearbox of FDA drive. (For tractors "BELARUS-512/512.1/522")

Group 18. Transfer gearbox
Subgroup 1802. Transfer gearbox for FDA drive
(For tractors "BELARUS-512/512.1/522")

Fig. No	Pos.No	Indication	Q-ty	Designation
40	44	52-1802097	2	Ring
	45	52-1802094	1	Axis
	46	52-1802061	1	Gear
	47	52-1802067	2	Holder
	48	72-1802068	1	Coupling
	49	52-1802084	1	Fork
	50	52-1802080-B1	1	Shaft with lever
	51	020-025-30-1-4 ГОСТ 9833-73	1	Ring
	52	72-1802063	1	Shaft

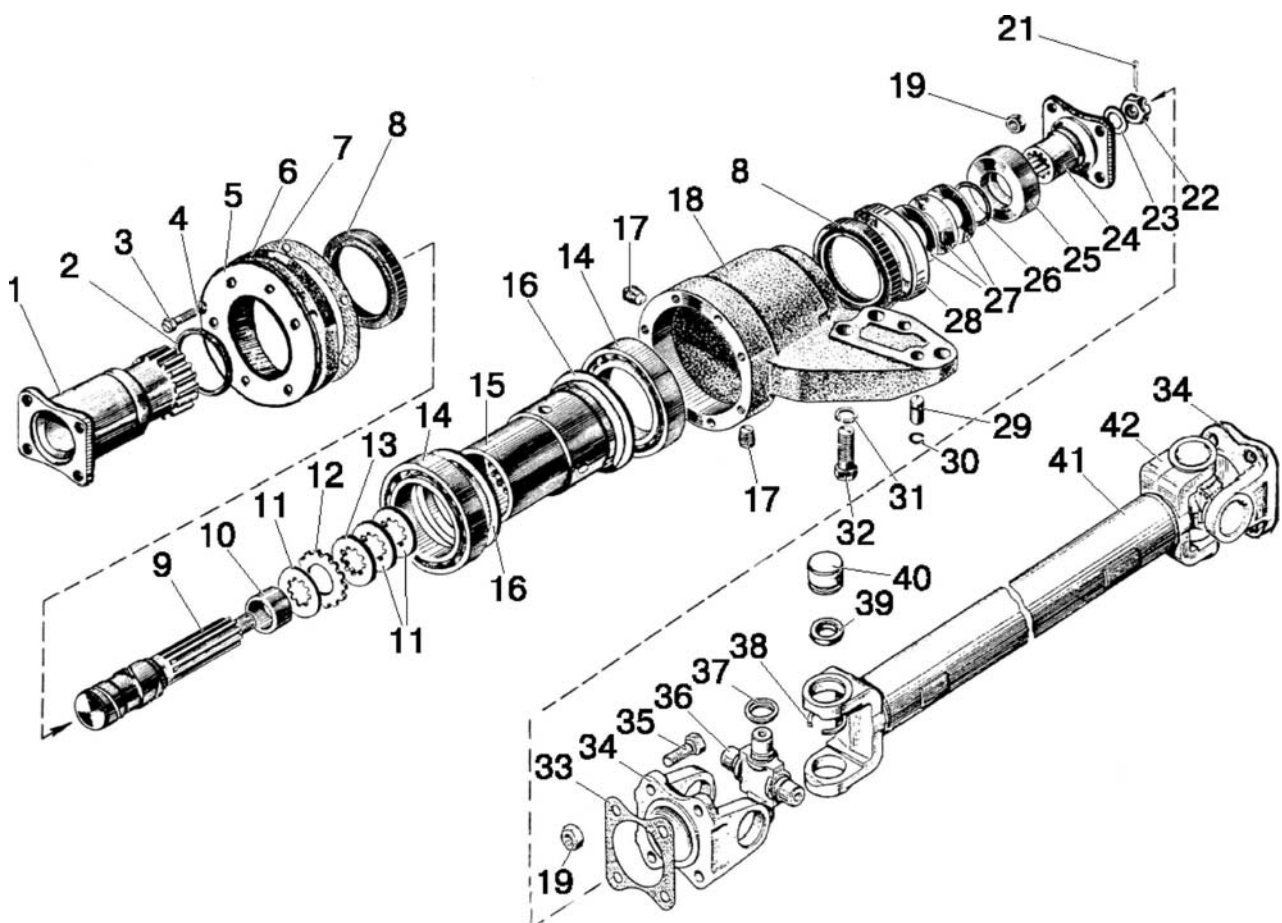


Fig.41. Cardan shaft. Cardan shaft intermediate bearing. (For tractors "BELARUS-512/512.1/522")

Group 22. Cardan drive

Subgroup 2203, 2209. Cardan shaft. Cardan shaft intermediate bearing (For tractors "BELARUS-512/512.1/522")

Fig. No	Pos.No	Indication	Q-ty	Designation
41		72-2203010-A2	2	Front and intermediate cardan shafts (34, 36-42)
		52-2203020	15	Bolt (19, 35)
		72-2203025PH	4	Cross with oil seals and bearings (36, 37, 39, 40)
		72-2209100	1	Oil seal housing (6, 8)
		72-2209010-A	1	Intermediate bearing (1-18, 21-30)
	1	72-2209014	1	Flange
	2	055-065-58-1-4 ГОСТ 9833-73	1	Ring
	3	M8-6gx30.88.35.019 ГОСТ 7796-70	5	Bolt
	4	8T OCT 37.001.115-75	5	Washer
	5	72-2209028	1	Mud collector
	6	72-2209022	1	Housing
	7	72-2209023	1	Gasket
	8	2.2-75x100-1 ГОСТ 8752-79	2	Collar
	9	72-2209013	1	Shaft
	10	72-2209017	1	Bushing
	11	72-2209019	3	Disc
	12	72-2209025	10..11	Disc
	13	72-2209027	10	Disc
	14	115 ГОСТ 8338-75	2	Bearing
	15	72-2209012	1	Bushing
	16	72-2209018	2	Holder
	17	ПК КГ 3/8"	2	Plug
	18	72-2209011	1	Bracket
	19	M10x1-8 DIN 985	16	Nut
	21	4x25.019 ГОСТ 397-79	1	Cotter pin
	22	70-3003032	1	Nut
	23	52-1802079	1	Washer
	24	52-1802078-A	1	Flange
	25	72-2209016-Б	1	Washer
	26	038-046-46-1-4 ГОСТ 9833-73	1	Ring
	27	72-2209021	6	Spring
	28	72-2209031	1	Holder
	29	52-2308094	2	Pin
	30	12-12-306	2	Ring
	31	16 OT OCT 37.001.115-75	3	Washer
	32	72-2203011	3	Bolt
	33	20-2201024	4	Gasket
	34	72-2203023	4	Flange
	35	52-2203012	16	Bolt M10x1
	36	72-2203030-01	4	Cross
	37	3102-2201037	16	Deflector
	38	72-2203043	16	Retaining ring
	39	69-2201031-A	16	Collar
	40	704702 K3C10 TY 37.006.065-90	16	Bearing
	41	72-2201018-02	2	Tube
	42	72-2203022	4	Fork

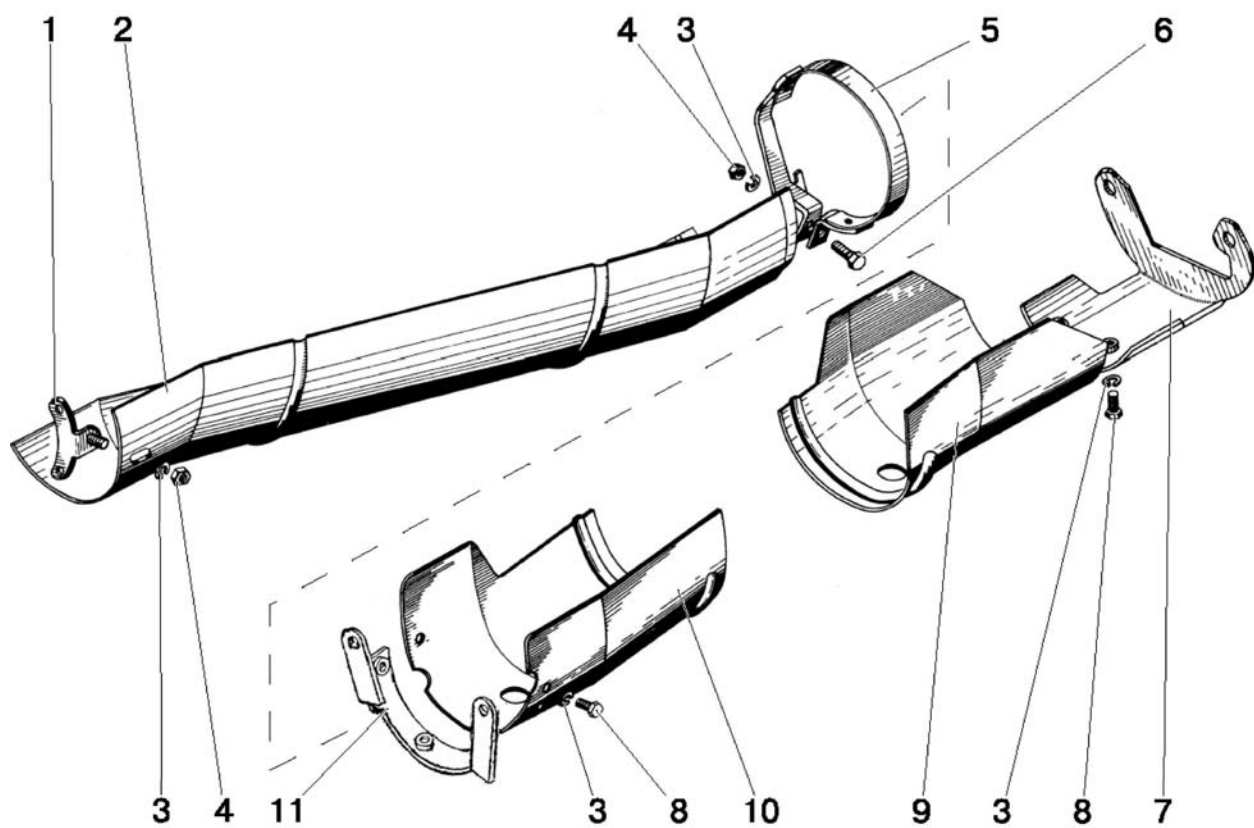


Fig.42. Cardan shaft guard. (For tractors "BELARUS-512/512.1/522")

Group 22. Cardan drive
Subgroup 2210. Cardan shaft guard
 (For tractors "BELARUS-512/512.1/522")

Fig. No	Pos.No	Indication	Q-ty	Designation
42		72-2203040	1	Cardan shaft guard (1-11)
	1	52-2210040	1	Support bracket
	2	72-2210013	1	Rear shroud
	3	8T OCT 37.001.115-75	8	Washer
	4	M8-6H.6.019 ГОСТ 5915-70	2	Nut
	5	72-2210030	1	Clamp
	6	M8-6gx40.88.35.019 ГОСТ 7796-70	1	Bolt
	7	52-2210015	1	Bracket
	8	M8-6gx16.88.35.019 ГОСТ 7796-70	6	Bolt
	9	52-2210012-A	1	Front shroud
	10	52-2210017-A	1	Shroud
	11	72-2210020-A	1	Bracket

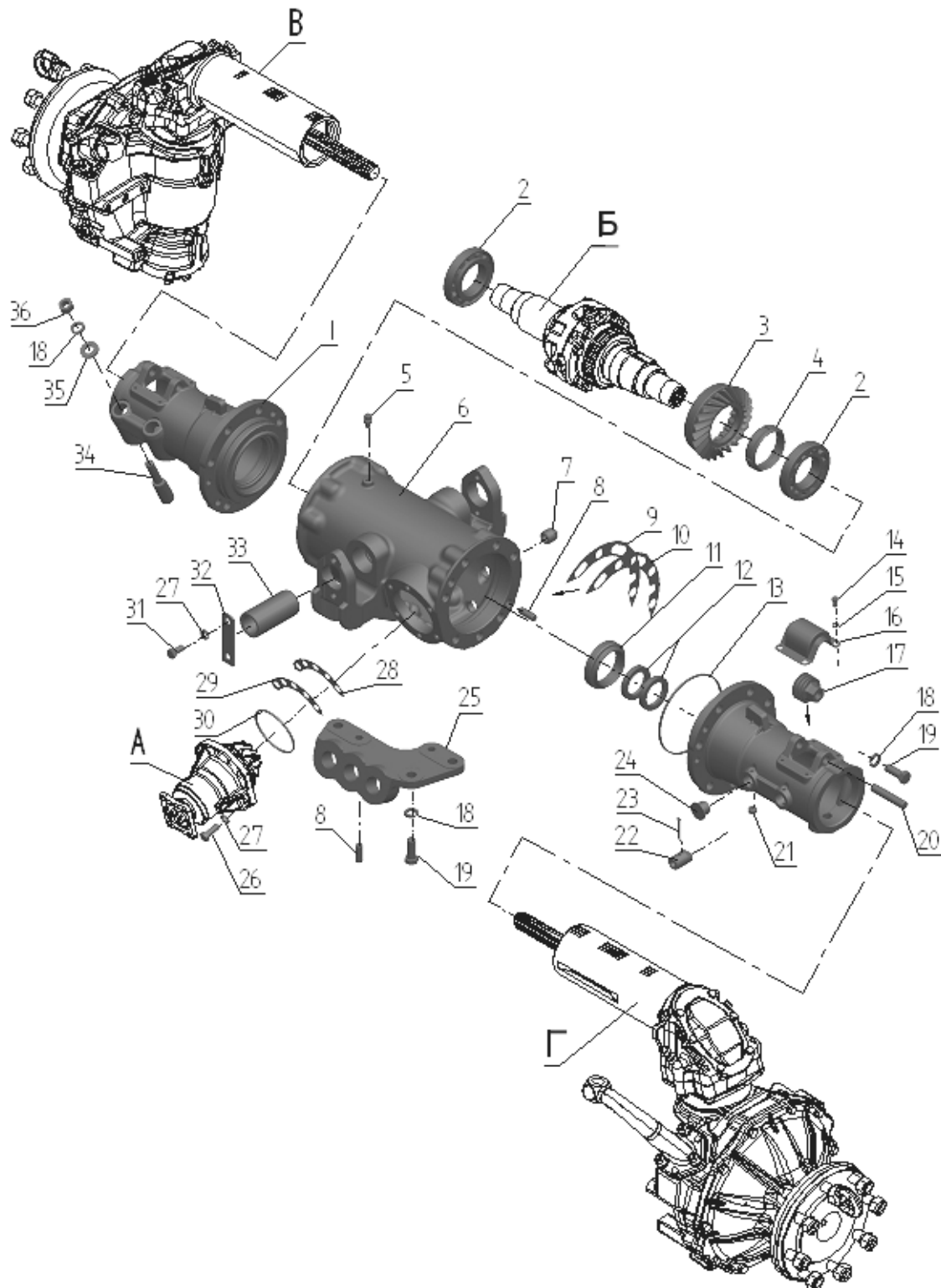


Fig.43. Front driving axle. (For tractors "BELARUS-512/512.1/522")

Group 23. Front driving axle**Subgroup 2300, 2302, 2303, 2308. Front driving axle. Final drive of front driving axle.****Differential. Final drive reducing gear.**

(For tractors "BELARUS-512/512.1/522")

Fig. No	Pos.No	Indication	Q-ty	Designation
43		72-2300020-A* 72-2300020-A-01** 72-2300020-A-04***	1	Front driving axle assembly
	A	52-2302010	1	Gear (see fig.44)
	Б	52-2303010-Б	1	Differential (see fig.45)
	B	72-2308005** 72-2308005-03* 72-2308005-08***	1	Left wheel-hub drive (see fig.46)
	Г	72-2308010** 72-2308010-03* 72-2308010-07***	1	Right wheel-hub drive (see fig.46)
		52-2301040-Б1	2	Holder with collars (11,12)
	1	82-2301051	2	Cover
	2	6-7212A ГОСТ 27365-87	2	Bearing
	3	52-2302019	1	Driven gear
	4	52-2302038-A1	1	Nut
	5	СУ 1/8"-А	1	Breather
	6	72-2301055	1	Housing
	7	ПК КГ 3/4"	2	Plug
	8	Д01-015	6(4*)	Pin
	9	52-2303027	16(max)	Adjusting shim B=0,5 mm
	10	52-2303028	16(max)	Adjusting shim B=0,2 mm
	11	52-2301062-Б1	2	Holder
	12	2.2-45x65-1 ГОСТ 8752-79/ ОСТ 3805146-78	4	Collar
	13	150-155-36-1-4 ГОСТ 18829-73/9833-73	2	Ring
	14	M8-6gx16.88.35.019 ГОСТ 7796-70	8	Bolt
	15	8Т ОСТ 37.001.115-75	8	Washer
	16	50-3104051	2	Cover
	17	52-2301052	2	Screw
	18	16 ОТ ОСТ 37.001.115-75	21(18*)	Washer
	19	M16-6gx40.88.35.019 ГОСТ 7796-70	17	Bolt
	20	52-2301054-A	2	Axis
	21	52-2301067	2	Blind plug
	22	82-2301069	2	Pin
	23	5x45.019 ГОСТ 397-79	2	Cotter pin
	24	82-2301074	2	Plug
	25	102-2301023-01***	1	Hydraulic cylinder bracket
	26	M12-6gx30.88.35.019 ГОСТ 7796-70	6	Bolt
	27	12 ОТ ОСТ 37.001.115-75	10	Washer
	28	52-2302021	6(max)	Adjusting shim B=0,5 mm
	29	52-2302022	10(max)	Adjusting shim B=0,2 mm
	30	089-095-36-1-4 ГОСТ 18829-73/9833-73	1	Ring
	31	M12-6gx25.88.35.019 ГОСТ 7796-70	4	Bolt
	32	72-2301059-A1	2	Plate
	33	52-2301058-A4	2	Axis
	34	52-2301056	4	Wedge
	35	52-2301065	4	Washer
	36	M16x1,5-6H.6.019 ГОСТ 5915-70	4	Nut

* reducing gears of 8 studs, version with power steering

** reducing gears of 5 studs, version with power steering

*** reducing gears of 8 studs, version with hydrostatic power steering

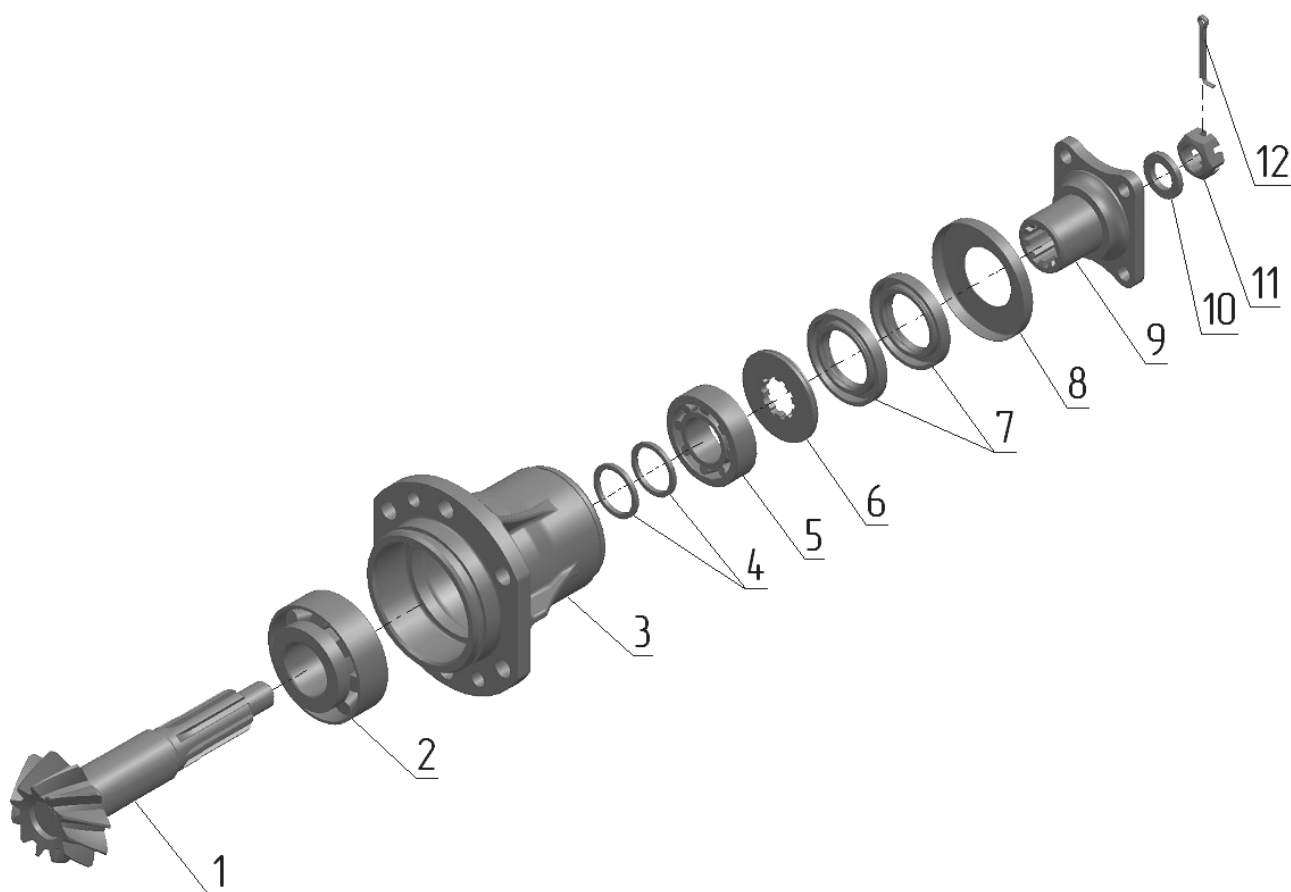


Fig.44. Gear. (For tractors “BELARUS-512/512.1/522”).

Group 23. Front driving axle
Subgroup 2302. Gear. (For tractors "BELARUS-512/512.1/522»)

Fig. No	Pos.No	Indication	Q-ty	Designation
44		52-2302010-P	1	Set of gears (1-12, 3(fig.43))
		52-2302030	1	Driven gear and driving gear as a set (1, 3(fig.43))
	1	52-2302015-A	1	Driving gear
	2	7607A ГОСТ 27365-87 or 6-7607AY ГОСТ 27365-87	1	Bearing
	3	52-2302016-A	1	Sleeve
	4	52-2302026	2*	Adjusting washer B=2,65 mm (a)
		52-2302026-01	2*	Adjusting washer B=2,70 mm (б)
		52-2302026-02	2*	Adjusting washer B=2,75 mm (в)
		52-2302026-03	2*	Adjusting washer B=2,90 mm (г)
		52-2302026-04	2*	Adjusting washer B=3,05 mm (д)
		52-2302026-05	2*	Adjusting washer B=3,20 mm (е)
		52-2302026-06	2*	Adjusting washer B=3,30 mm (ж)
		52-2302026-07	2*	Adjusting washer B=3,35 mm (з)
		52-2302026-08	2*	Adjusting washer B=3,40 mm (и)
	5	7506A ГОСТ 27365-87	1	Bearing
	6	52-2302018	1	Ring
	7	2.2-38x62-1/4 ГОСТ 8752-79/ OCT 3805146-78	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	4x25.019 ГОСТ 397-79	1	Cotter pin

* To be selected when bearings are adjusted

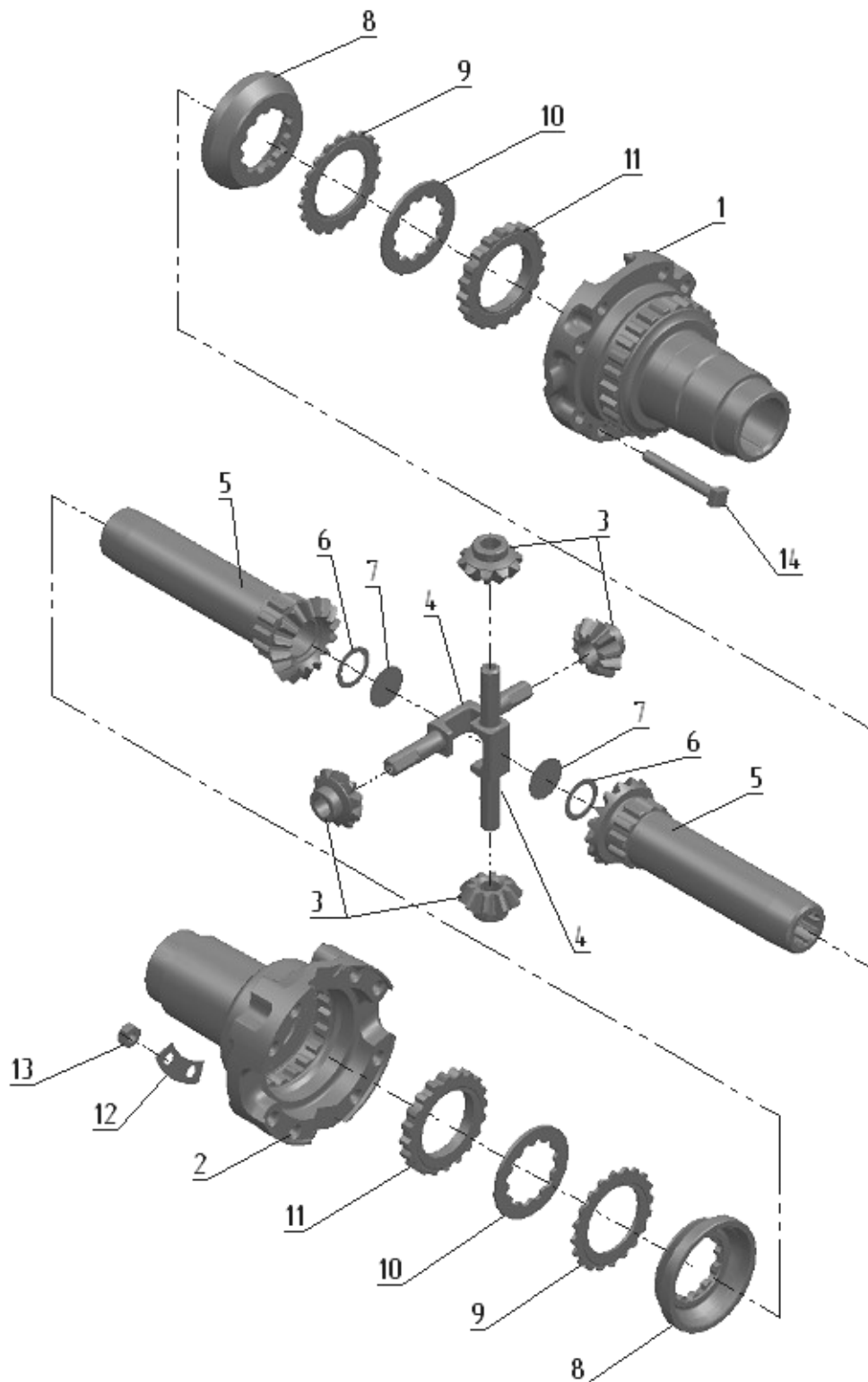


Fig.45. Differential. (For tractors “BELARUS-512/512.1/522”)

Group 23. Front driving axle
Subgroup 2303. Differential.
(For tractors "BELARUS-512/512.1/522")

Fig. No	Pos.No	Indication	Q-ty	Designation
45		52-2303010-Б	1	Differential (1-14)
		52-2303030	2	Gear (5-7)
	1	52-2303014-Б	1	Compensating case
	2	52-2303015-Б	1	Compensating case
	3	52-2303018	4	Satellite gear
	4	52-2303019	2	Axis
	5	52-2303017	2	Gear
	6	52-2303034	2	Gasket
	7	35-10кп.Ц9.хр ГОСТ 3111-81	2	Blind plug
	8	52-2303021	2	Cage
	9	52-2303023-A1-01	2	Disc
	10	52-2303024-01	2	Disc
	11	52-2303023-A1	2	Disc
	12	52-2303032	4	Plate
	13	52-2303013	8	Nut
	14	52-2303026-Б	8	Bolt

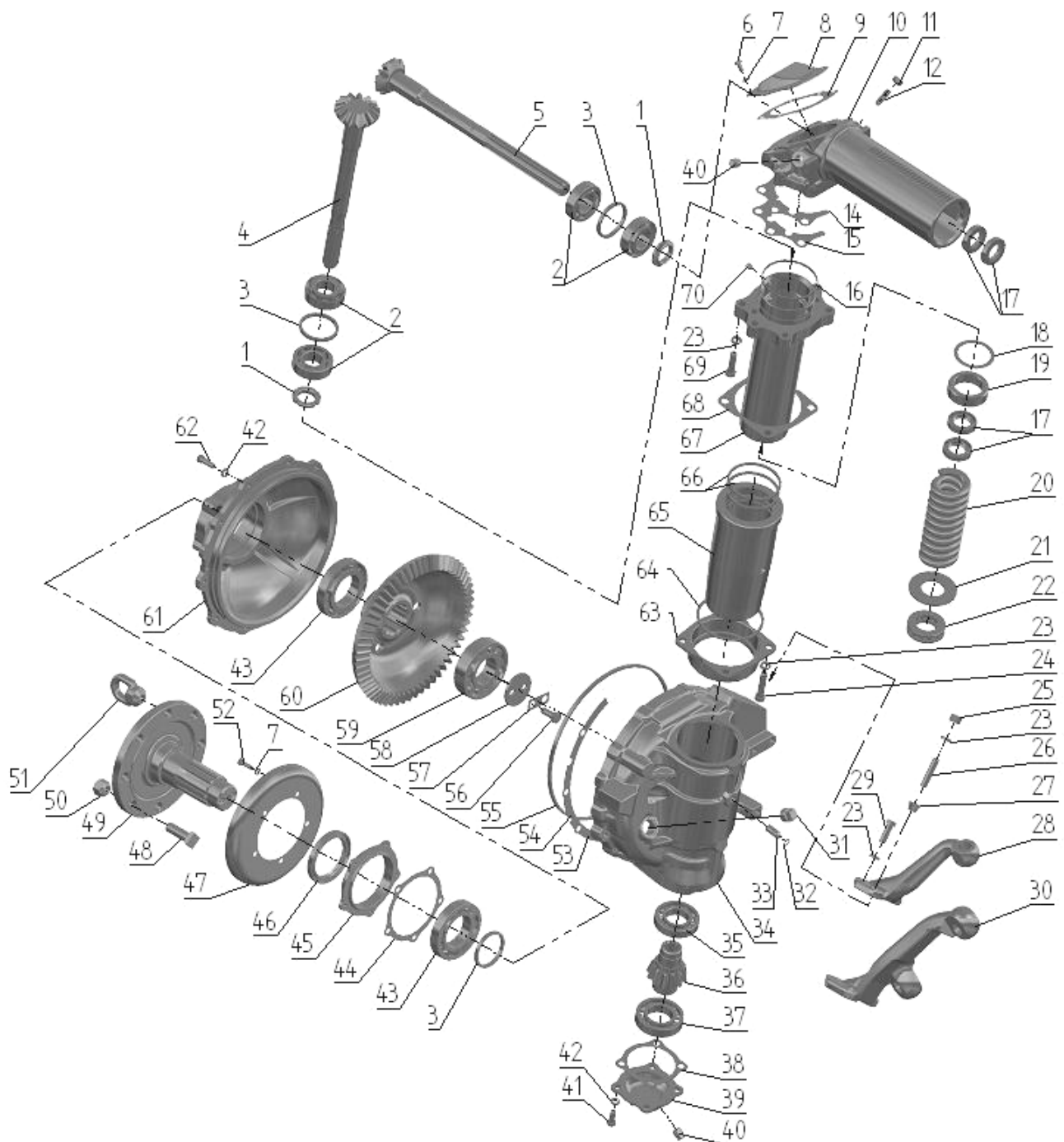


Fig.46. Wheel-hub drive. (For tractors "BELARUS-512/512.1/522")

Group 23. Front driving axle
Subgroup 2308. Wheel-hub drive.
 (For tractors "BELARUS-512/512.1/522")

Fig. No	Pos.No	Indication	Q-ty	Designation
46		72-2308005** 72-2308005-03* 72-2308005-08***	1	Left wheel-hub drive (1-69)
		72-2308010** 72-2308010-03* 72-2308010-07***	1	Right wheel-hub drive (1-69)
		72-2308020-Б	2	Cover (3, 43, 61)
		72-2308030-A	2	Tube (18,19, 66)
		82-2308050**	2	Gear (3, 7, 43-49, 52-61)
		82-2308050-03*H***	2	Gear (3, 7, 43-49, 52-61)
		52-2308060	2	Gear (35-37)
		72-2308070** 72-2308070-01*H***	2	Flange (48, 49)
		72-2308090-Б	2	Casing (45, 46)
		52-2308100-03	2	Upper bevel gear and pinion (1-19, 23, 66, 68, 69)
		52-2308110-A2	1	Right gear casing (32-34, 62-64)
		52-2308115-A2	1	Left gear casing (32-34, 62-64)
		52-2308135	2	Shaft with bearings (1-4)
		52-2308135-01	2	Shaft with bearings (1-3, 5)
	1	52-2308097	4	Nut
	2	7507A ГОСТ 27365-87	8	Bearing
	3	72-2308121	2	Adjusting ring B=5,8 mm
		72-2308121-01	2	Adjusting ring B=5,95 mm
		72-2308121-02	2	Adjusting ring B=6,10 mm
		72-2308121-03	2	Adjusting ring B=6,25 mm
		72-2308121-04	2	Adjusting ring B=6,40 mm
		72-2308121-05	2	Adjusting ring B=6,55 mm
		72-2308121-06	2	Adjusting ring B=6,70 mm
		72-2308121-07	2	Adjusting ring B=6,85 mm
		72-2308121-08	2	Adjusting ring B=7,00 mm
		72-2308121-09	2	Adjusting ring B=7,15 mm
		72-2308121-10	2	Adjusting ring B=7,30 mm
		72-2308121-11	2	Adjusting ring B=7,45 mm
	4	52-2308063	2	Shaft
	5	52-2308065	2	Semi-axle
	6	M8-6gx14.88.35.019 ГОСТ 7796-70	12	Bolt
	7	8T OCT 37.001.115-75	12	Washer
	8	52-2308030-A	2	Cover
	9	52-2308028-A1	4	Gasket
	10	52-2308025	2	Casing
	11	M10-6H.6.019 ГОСТ 5915-70	2	Nut
	12	72-2308046	2	Screw
	14	52-2308038	8(max)	Adjusting shim B=0,5 mm
	15	52-2308039	8(max)	Adjusting shim B=0,2 mm
	16	095-100-30-1-4 ГОСТ 18829-73/9833-73	2	Ring
	17	2.2-30x52-1 ГОСТ 8752-79/ OCT 3805146-78	8	Collar
	18	52-2308054-A	2	Gasket
	19	52-2308089-A	2	Holder
	20	50-3001022-A1	2	Spring
	21	72-2308098-A	2	Washer
	22	8208 ГОСТ 7872-89	2	Bearing

To be selected when bearings are adjusted

* reducing gears of 8 studs, version with power steering

** reducing gears of 5 studs, version with power steering

*** reducing gears of 8 studs, version with hydrostatic power steering

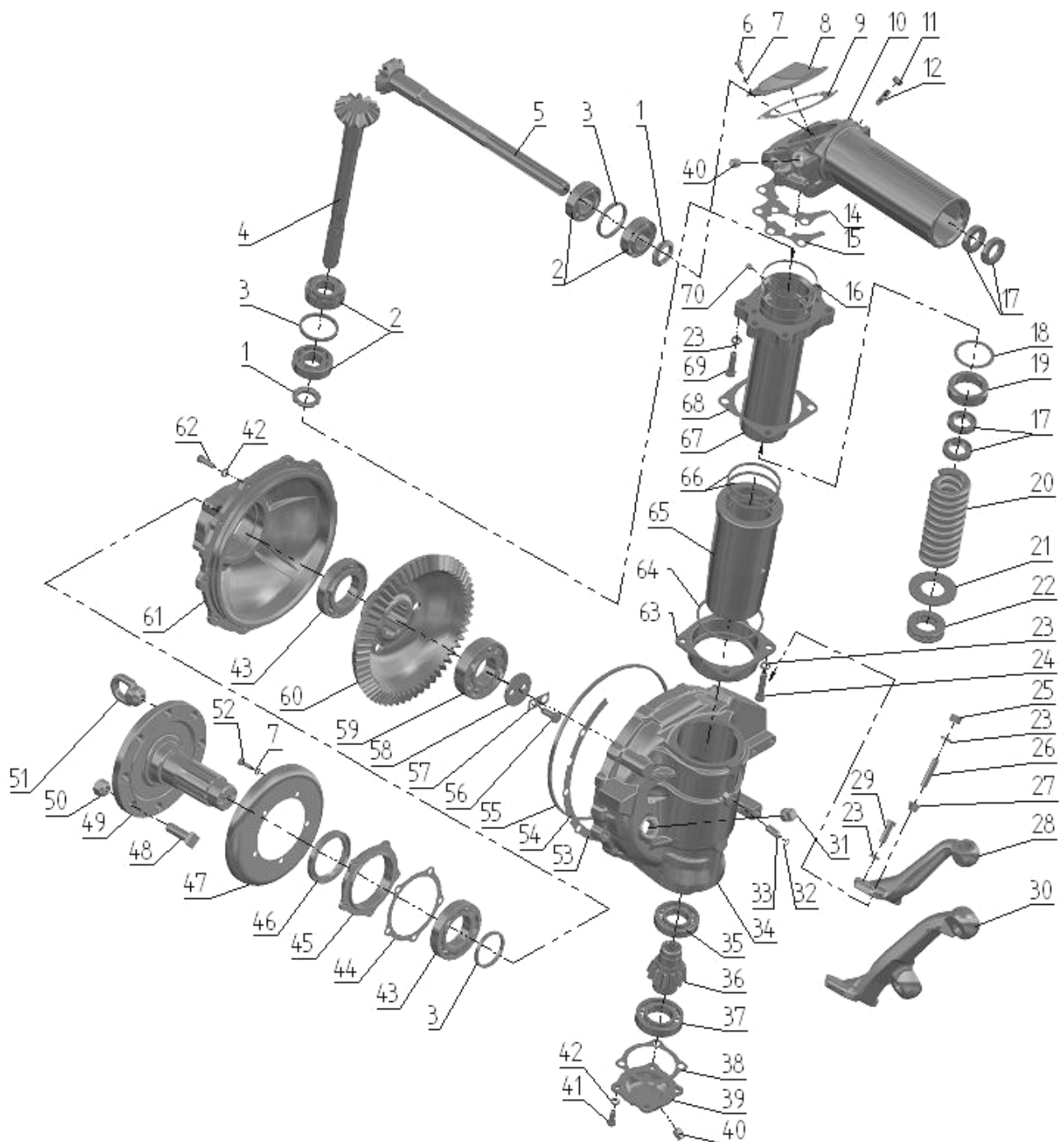


Fig.46. Wheel-hub drive. (For tractors "BELARUS-512/512.1/522")

Group 23. Front driving axle
Subgroup 2308. Wheel-hub drive.
 (For tractors "BELARUS-512/512.1/522")

Fig. No	Pos.No	Indication	Q-ty	Designation
46	23	12 OT OCT 37.001.115-75	18	Washer
	24	M12-6gx40.88.35.019 ГОСТ 7796-70	8	Bolt
	25	M12x1,25-6H.6.019 ГОСТ 5915-70	6	Nut
	26	72-2308004	6	Stud
	27	72-2308009	6	Bushing
	28	52-2308074-01*и*** 72-2308074***	1	Right lever
	29	M12-6gx35.88.35.019 ГОСТ 7796-70	4	Bolt
	30	52-2308075-01*и*** 72-2308075-01***	1	Left lever
	31	ПК КГ 3/4"	2	Plug
	32	011-014-19-1-4 ГОСТ 18829-73/9833-73	2	Ring
	33	52-2308099	2	Pin
	34	52-2308014-A2	1	Right casing
		52-2308015-A2	1	Left casing
	35	208A ГОСТ 8338-75	2	Bearing
	36	52-2308061	2	Gear
	37	209A ГОСТ 8338-75	2	Bearing
	38	52-2308024	2	Gasket
	39	52-2308035	2	Cover
	40	ПК КГ 3/8"	2	Plug
	41	M10-6gx25.88.35.019 ГОСТ 7796-70	8	Bolt
	42	10 OT OCT 37.001.115-75	28	Washer
	43	6-7212A ГОСТ 27365-87	4	Bearing
	44	72-2308023-Б	2	Gasket
	45	72-2308066-Б	2	Housing
	46	2.2-75x100-1 ГОСТ 8752-79/OCT 3805146-78	2	Collar
	47	72-2308029-Б	2	Mud collector
	48	40-3103016	14(8**)	Bolt
	49	72-2308017** 82-2308017*и****	2	Flange (5 studs) Flange (8 studs)
	50	40-3103017	14(8**)	Nut
	51	70-3104019-01	2	Special nut (technological)
	52	M8-6gx25.88.35.019 ГОСТ 7796-70	10	Bolt
	53	72-2308021-Б	16(max)	Adjusting shim B=0,5 mm
	54	72-2308021-Б-01	8(max)	Adjusting shim B=0,8 mm
	55	290-300-58-1-4 ГОСТ 18829-73/9833-73	2	Ring
	56	72-2308018	4	Bolt
	57	72-2308013	2	Plate
	58	72-2308031	2	Washer
	59	2310KM ГОСТ 8328-75	2	Bearing
	60	72-2308062	2	Gear
	61	72-2308016-Б	2	Cover
	62	M10-6gx30.88.35.019 ГОСТ 7796-70	20	Bolt
	63	52-2308101	2	Housing
	64	72-2308044	2	Washer
	65	52-2308084-A1	2	Sleeve
	66	52-2308091-A	4	Ring
	67	72-2308030-A	2	Pivot axle tube
	68	52-2308096	2	Gasket
	69	M12-6gx55.88.35.019 ГОСТ 7796-70	8	Bolt
	70	72-2308011	4	Screw

* reducing gears of 8 studs, version with power steering

** reducing gears of 5 studs, version with power steering

*** reducing gears of 8 studs, version with hydrostatic power steering

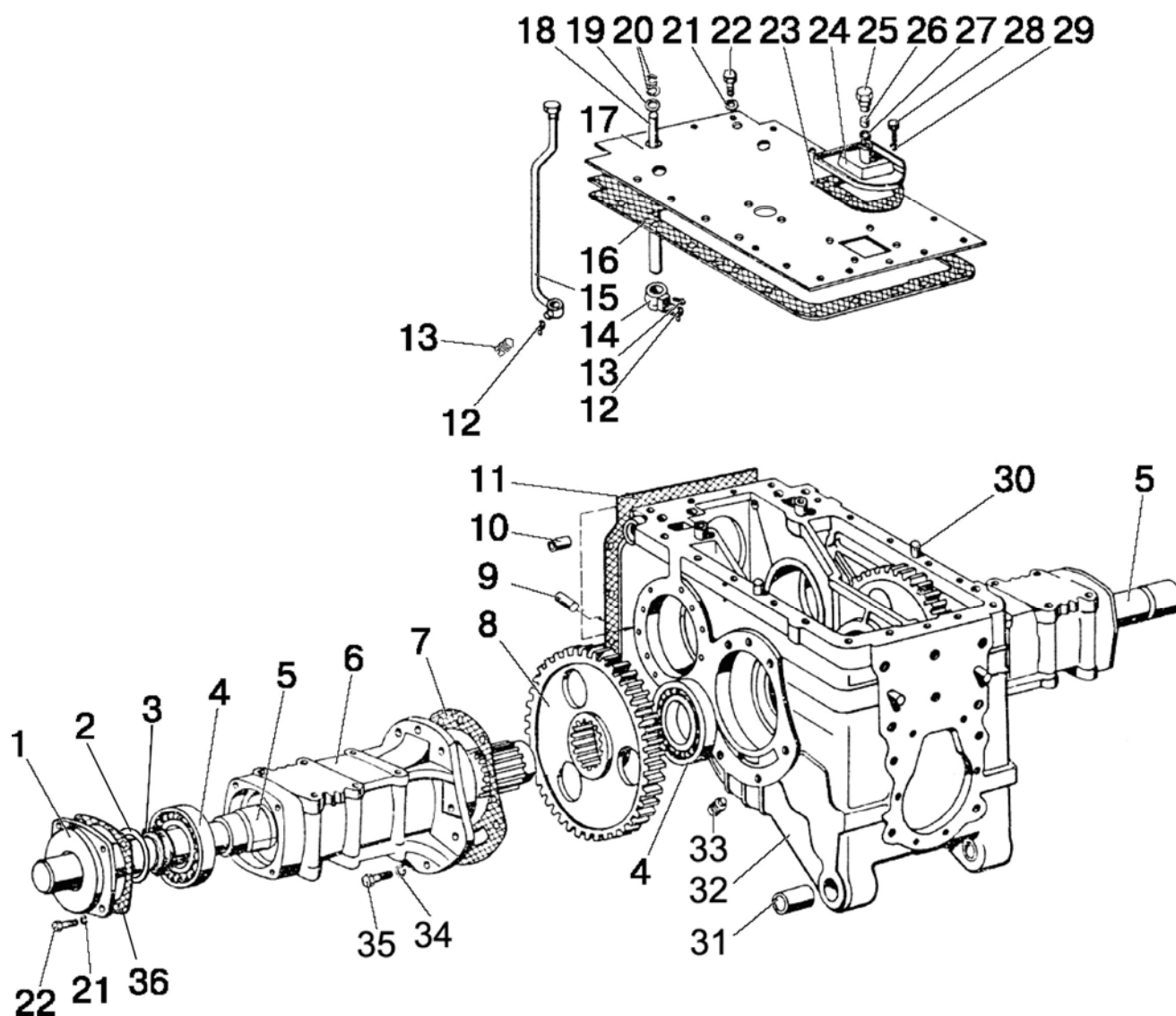


Fig.47. Rear axle housing. Final drive

Group 24. Rear axle
Subgroup 2401, 2407. Rear axle housing. Final drive

Fig. No	Pos.No	Indication	Q-ty	Designation
47		70-2401010	1	Rear axle (1-10, 12-14, 18-23, 31, 32, 34-36) (fig.48: 1-5, 8-20)
		50-2401015	1	Housing (9, 10, 31, 32)
		50-2401060-A	1	Cover with breather (24-27)
		50-2407020-A	2	Semi-axle sleeve (1-6, 21,22, 37)
		50-2401040	1	Control shaft (18-20)
		50-2407030 or 50-2407030-A1	2	Sleeve cover (1-3)
	1	50-2407028 or 50-2407028-A	2	Cover
	2	080-088-46-2-4 ГОСТ 18829-73/9833-73	2	Ring
	3	2.2-80x105-1 ГОСТ 8752-79/OCT 3805146-78	2	Collar
	4	217A ГОСТ 8338-75	4	Bearing
	5	50-2407082-A-01	2	Semi-axle
	6	50-2407018-A-01	2	Semi-axle sleeve
	7	50-2407031-Б	4	Gasket
	8	50-2407122	2	Gear
	9	50-4605027	2	Pin
	10	36-3502037-A	2	Bushing
	11	50-2401016-Б	2	Gasket
	12	1,6-O-C ГОСТ 3282-74	2	Wire (L=200 mm)
	13	36-1702110	2	Screw
	14	50-2401020	1	Arm
	15	80-2401050	1	Rod
	16	50-2401025-A	1	Gasket
	17	70-2401024	1	Cover
	18	50-2401019-Б	1	Shaft
	19	020-025-30-1-4 ГОСТ 18829-73/9833-73	1	Ring
	20	50-2401031	2	Washer
	21	12 OT OCT 37.001.115-72	17	Washer
	22	M12-6gx30.88.35.019 ГОСТ 7796-70	17	Bolt
	23	50-2401027-A	1	Gasket
	24	50-2401070-A	1	Cover
	25	50-4608059	1	Breather plug
	26	50-4608063	1	Filter
	27	50-4608062	1	Washer
	28	M8-6gx16.88.35.019 ГОСТ 7796-70	4	Bolt
	29	8T OCT 37.001.115-75	4	Washer
	30	Д01-015	4	Locating pin
	31	50-2401032	2	Bushing
	32	50-2401015-1	1	Housing
	33	70-1701300	1	Plug 1 1/4"
	34	16 OT OCT 37.001.115-75	13	Washer
	35	M16-6gx50.88.35.019 ГОСТ 7796-70	13	Bolt
	36	50-2407029	2	Gasket

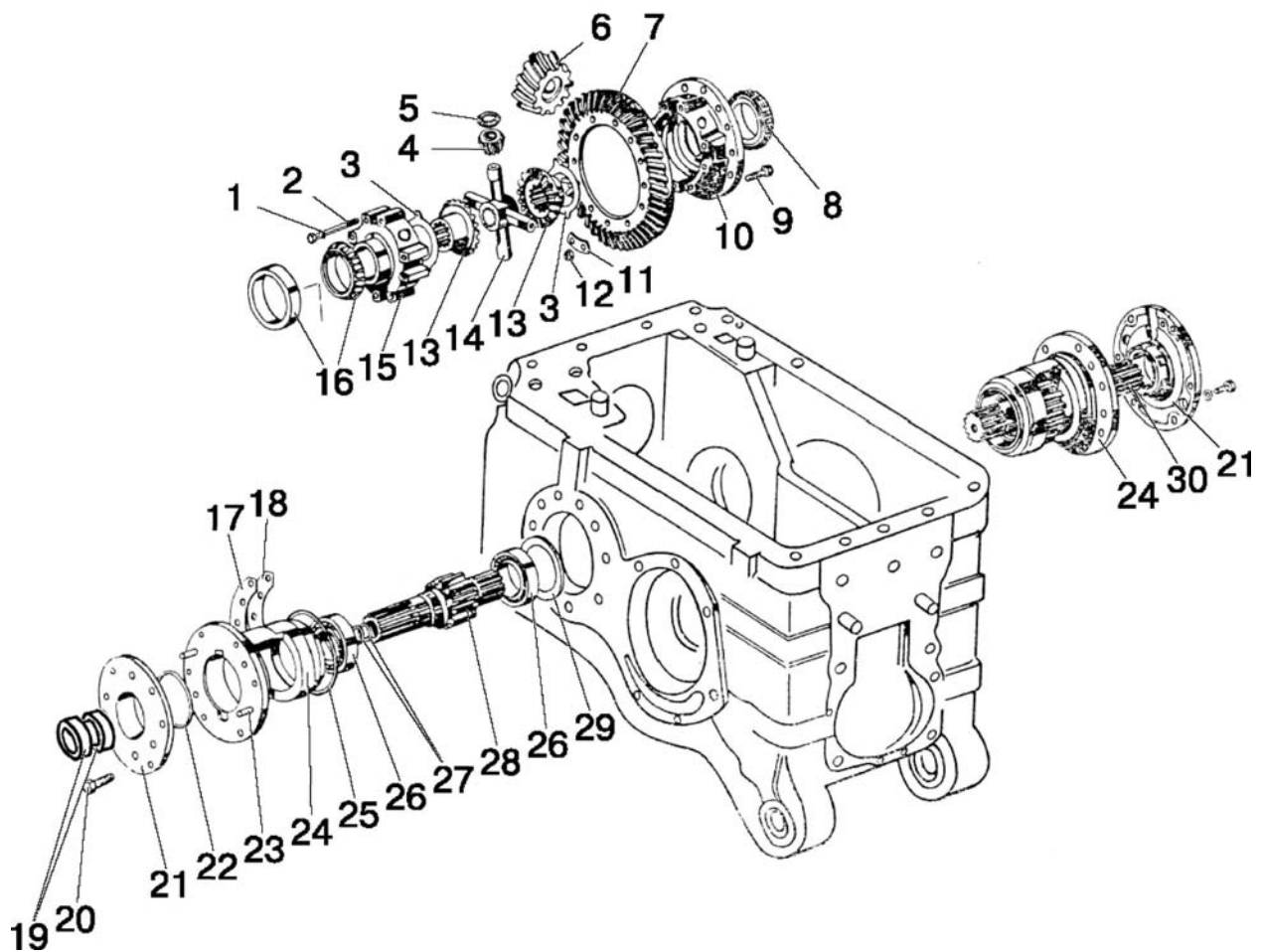


Fig.48. Differential. Bearing cage

Group 24. Rear axle
Subgroup 2403. Differential. Bearing cage

Fig. No	Pos.No	Indication	Q-ty	Designation
48		85-2403020-01	1	Differential (1-5, 9-15)
		50-2403014	1	Gear set (6, 7)
		50-2407050-A-01	2	Cage cover (19, 21,22)
		85-2403015	1	Differential housing (10,15)
		70-2407060	1	Left cage (24-29)
		70-2407060-01	1	Right cage (24-27, 29, 30)
	1	12 OT OCT 37.001.115-75	8	Washer
	2	50-2403034-A	8	Bolt
	3	50-2403049-B	2	Support washer
	4	85-2403055-01	4	Satellite gear with bushing
	5	85-2403025	4	Satellite gear washer
	6	50-1701105-B*	1	Driving gear
	7	50-2403021-B* or 50-2403021-B-01*	1	Driven gear
	8	7515A ГОСТ 27365-87	1	Bearing
	9	50-1702092	12	Reamed bolt
	10	85-2403018**	1	Housing
	11	50-2403023	6	Locking plate
	12	M12-6H.6.019 ГОСТ 5915-70	12	Nut
	13	50-2403048	2	Semi-axle gear
	14	50-2403062-A2	1	Cross
	15	85-2403019**	1	Cover
	16	7215A ГОСТ 27365-87	1	Bearing
	17	50-2407056	14	Gasket 0,5 mm (highest quantity)
	18	50-2407057	10	Gasket 0,2 mm (highest quantity)
	19	KΦA-50x70	4	Collar 50x70
	20	M12-6gx25.88.35.019 ГОСТ 7796-70	4	Bolt
	21	85-2407059	2	Cage cover
	22	ЦС110-1414045-4 or 104-110-40-1-4 ГОСТ 18829-73/9833-73	2	Ring
	23	50-1601352	4	Pin
	24	50X-2407042	2	Cage
	25	160-165-36-1-4 ГОСТ 18829-73/9833-73	2	Ring
	26	6-42212KM ГОСТ 8328-75	4	Bearing
	27	035-040-30-2-2 ГОСТ 18829-73/9833-73	4	Ring
	28	70-2407053	1	Left gear
	29	85-2407043	2	Ring
	30	70-2407053-01	1	Right gear

* Gears of main pair are supplied for spare parts only in set 50-2403014.

** Supplied for spare parts in assembly 85-2403015.

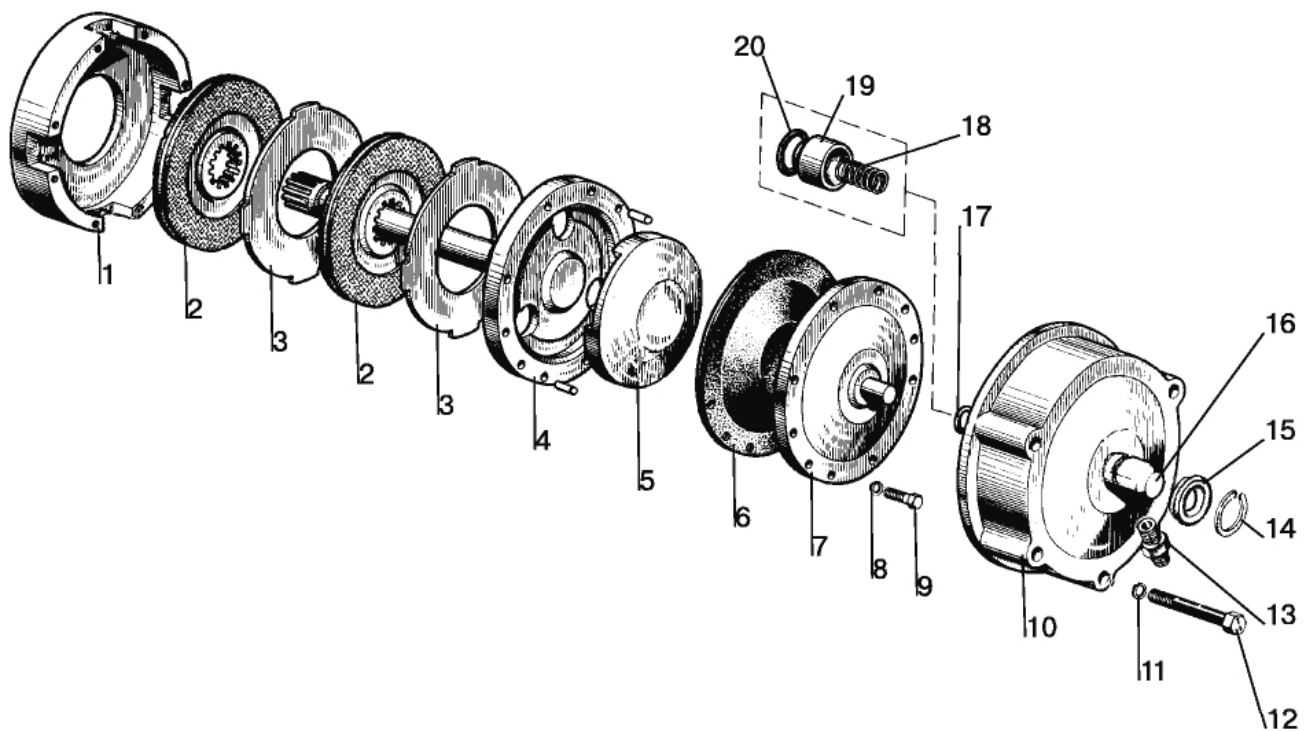


Fig.49. Mechanism of differential lock up

Group 24. Rear axle
Subgroup 2409. Mechanism of differential lock up

Fig No	Item No	Denomination	Quantity	Designation
49		70-2409010-Б	1	Lock up clutch (1-9)
		82P-2409050	1	Adapter (10, 13-20)
	1	70-2409015-A	1	Clutch housing
	2	70-3502040-01 or 70-3502040-04	2	Brake disc
	3	70-2409028	2	Squeeze roll
	4	70-2409020	1	Block shaft
	5	70-2409018	1	Pressure plate
	6	70-2409021	1	Diaphragm
	7	70-2409030-Б	1	Cover of diaphragm
	8	8T OCT 37.001.115-75	8	Washer
	9	M8-6gx40.88.35.019 ГОСТ 7795-70	8	Bolt
	10	70-2409035-A6	1	Housing
	11	12 OT OCT 37.001.115-75	5	Washer
	12	M12-6gx200.58.019 ГОСТ 7795-70	5	Bolt
	13	C40 ГОСТ 13940-86	1	Ring
	14	82P-2409036-A	1	Compacter
	15	70-2409026-Б	1	Adapter
	16	70-2409037	1	Bean
	17	020-025-30-1-4 ГОСТ 18829-73/9833-73	1	Ring
	18	54-06-448-A	1	Spring
	19	70-2409027-A	1	Bushing
	20	70-2409033-Б	1	Ring

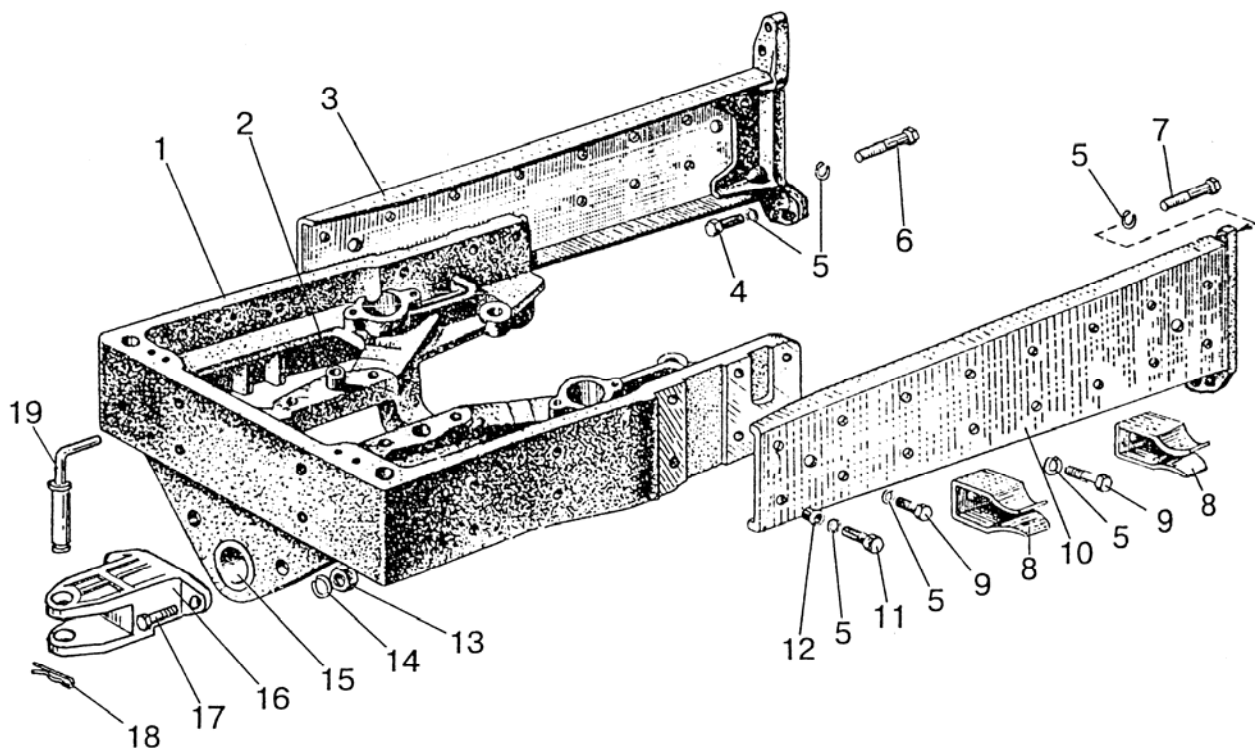


Fig.50. Semi-frame

Group 28. Frame
Subgroup 2800, 2801. Semi-frame

Fig No	Item No	Denomination	Quantity	Designation
50		80-2800010	1	Semi-frame (1-19)
		70-2801120-A1	1	Front beam (1, 2, 15)
	1	50-2801124-A2-01	1	Front beam
	2	50-3405041	2	Bushing
	3	80-2801050	1	Right side member
	4	M16-6gx60.88.35.019 ГОСТ 7796-70	6	Bolt
	5	16 OT OCT 37.001.115-75	16	Washer
	6	M16-6gx120.88.35.019 ГОСТ 7795-70	2	Bolt
	7	M16-6gx150.88.35.019 ГОСТ 7795-70	2	Bolt
	8	50-3913214	2	Clamp
	9	M16-6gx32.88.35.019 ГОСТ 7796-70	2	Bolt
	10	80-2801060	1	Left side member
	11	M16-6gx45.88.35.019 ГОСТ 7796-70	4	Bolt
	12	50-2800011	4	Bushing
	13*	M20-6H.6.019 ГОСТ 5915-70	2	Nut
	14*	20 OT OCT 37.001.115-75	2	Washer
	15*	40-3001022	2	Bushing
	16*	80-2806011	1	Front tow
	17*	70-4605036	2	Bolt
	18*	A61.07.001	1	Split
	19*	50-4605079-Б	1	Pivot bolt

* Do not install in case front balast is installed on a tractor

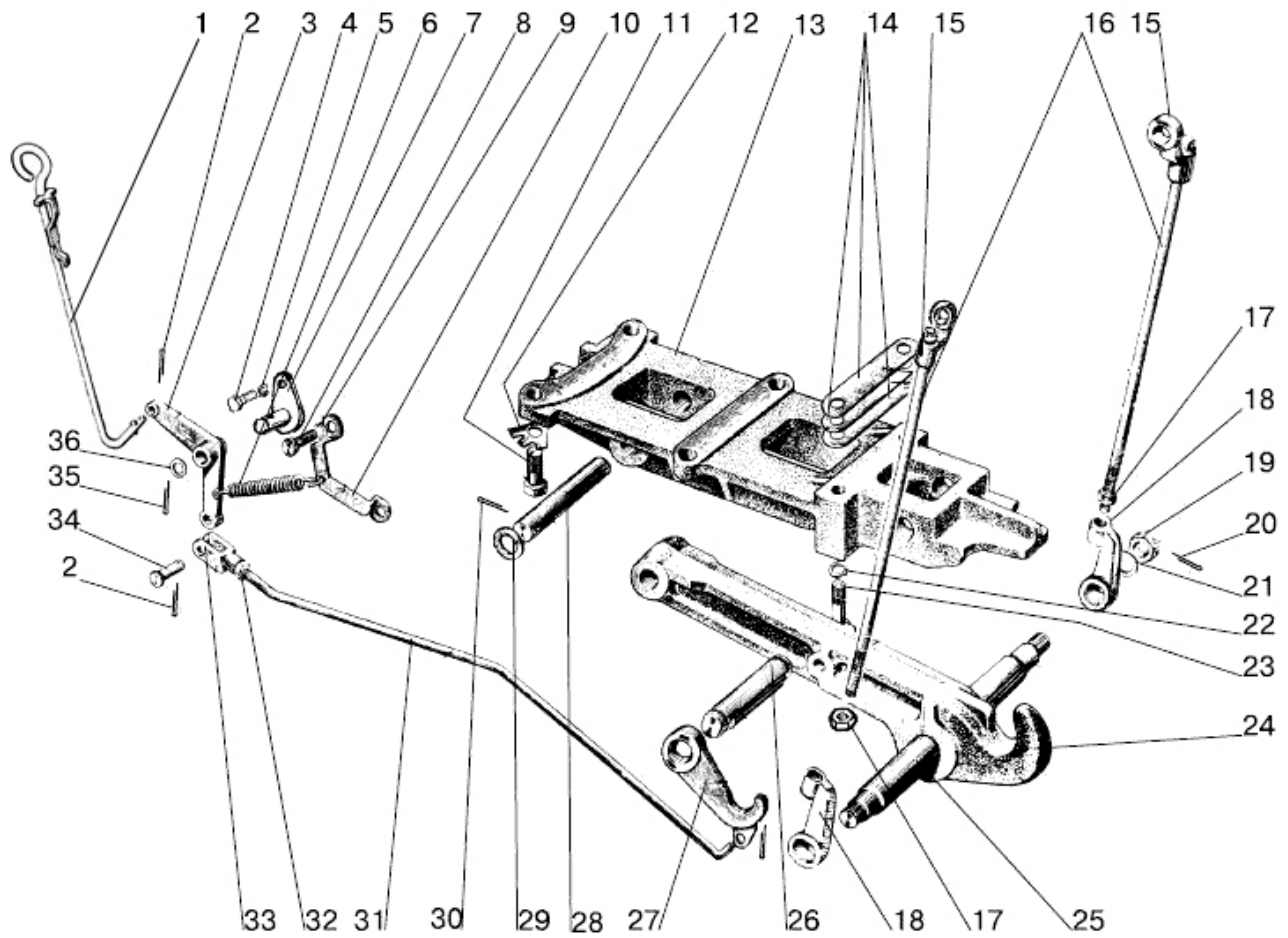


Fig.51. Trailer hydraulic hook

Group 28. Frame
Subgroup 2807. Trailer hydraulic hook

Fig No	Item No	Denomination	Quantity	Designation
51		70-2807010-A-01	1	Trailer hook (1-36)
		80-2807040	1	Daught (31-33)
		80-2807070	1	Hook (24, 25)
	1	70-2807080-Б	1	Handle
	2	3,2x18.019 ГОСТ 397-79	3	Split
	3	70-2807079	1	Lever
	4	M10-6gx20.88.35.019 ГОСТ 7796-70	1	Bolt
	5	10 OT OCT 37.001.115-75	1	Washer
	6	50-1605152	1	Spring
	7	70-1602120-Б	1	Axle flange
	8	M16-6gx50.88.35.019 ГОСТ 7796-70	2	Bolt
	9	16 OT OCT 37.001.115-75	2	Washer
	10	70-2807081	1	Bracket
	11	40-3104021	4	Bolt
	12	70-2807044	4	Washer
	13	80-2807014	1	Bracket
	14	70-2807039	2	Plate 1,0 mm
		70-2807039-01	1	Plate 0,5 mm
		70-2807039-02	2	Plate 0,2 mm
	15	70-2807051	2	Clip
	16	70-2807052-Б	2	Screw
	17	40-3405062	2	Nut
	18	70-2807053-Б	2	Draught nut
	19	M20x1,5-6H.04.019 ГОСТ 5919-73	2	Nut
	20	4x36.019 ГОСТ 397-79	2	Split
	21	C 20.01.019 ГОСТ 11371-78	2	Washer
	22	18 OT OCT 37.001.115-75	2	Washer
	23	80-2807026	2	Bolt
	24	80-2807011	1	Hook
	25	50-2807016	1	Hook axle
	26	70-2807047	1	Axle
	27	80-2807077	2	Pincher
	28	50-2807013-Б	1	Axle
	29	36-3503018	2	Washer
	30	6,3x36.019 ГОСТ 397-79	2	Split
	31	80-2807043	1	Draught
	32	M12x1,25-6H.04.019 ГОСТ 5916-70	2	Nut
	33	50-3502203	1	Fork
	34	12x32 OCT 37.001.163-75	1	Pin
	35	3,2x25.019 ГОСТ 397-79	1	Split
	36	C 16.01.019 ГОСТ 11371-78	1	Washer

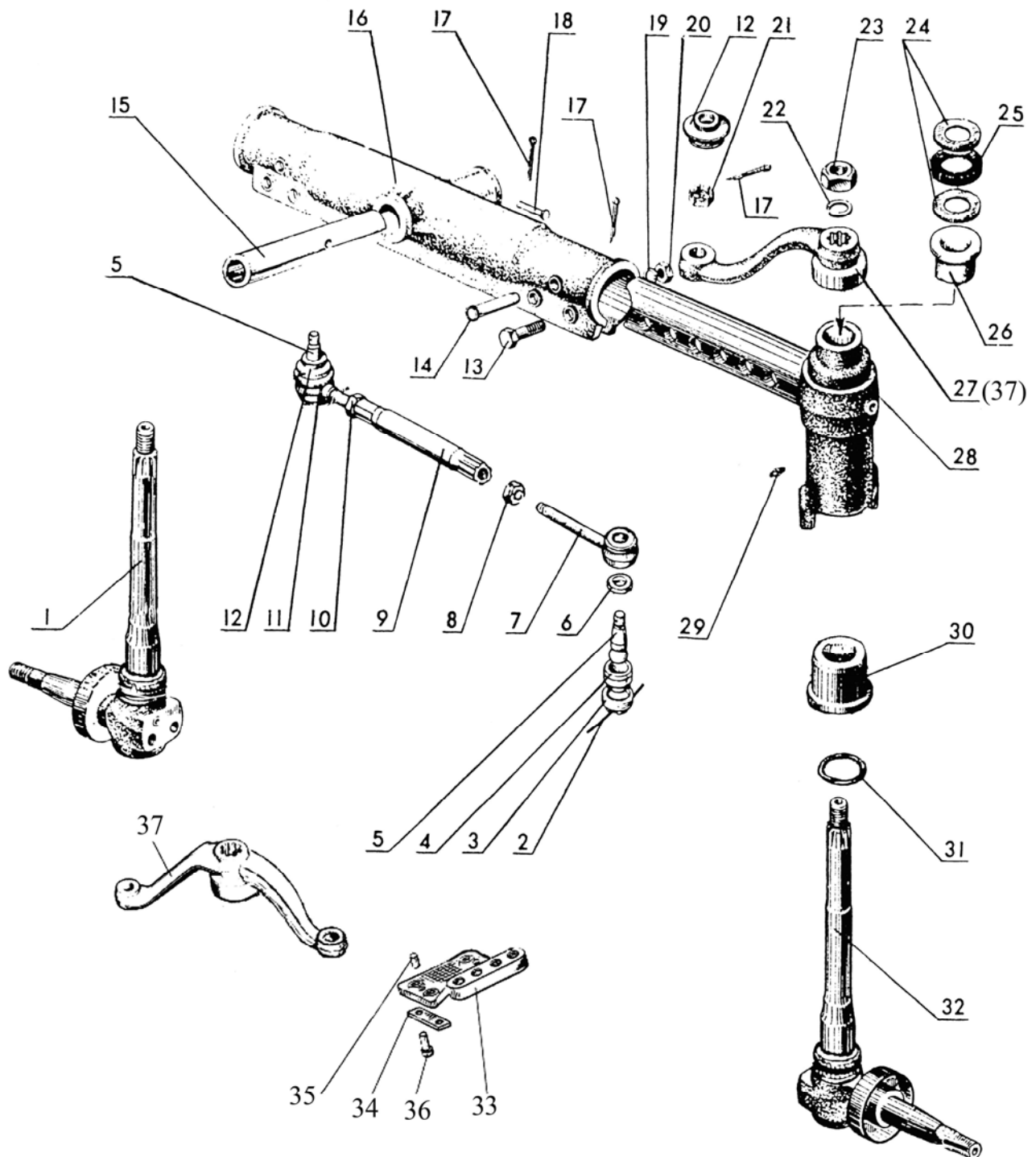


Fig.52. Front axle and steering link.

Group 30. Front axle
Subgroup 3000. Front axle and steering link.

Fig No	Item No	Denomination	Quantity	Designation
52		530-3000010 or 80-3000010-01 or 80-3000010-02	1	Front axle with semi-frame
		80-3003010-01	1	Steering link (2-12, 17,21)
		80-3003010-02 ⁽⁴⁾	1	Steering link (2-12, 17,21)
		530-3000030 ⁽¹⁾	1	Front axle (1, 13-20, 22-32)
		80-3000030-01 ⁽²⁾	1	Front axle (1, 13-20, 22-32)
		80-3000030-02 ⁽³⁾	1	Front axle (1, 13-20, 22-32)
	1	530-3001065-01 ⁽¹⁾ 80-3001065-01 ^(2,3)	1	Front steering knuckle
	2	2,0x270 ГОСТ 3282-74	4	Wire
	3	50-3003018-Б	4	Plug
	4	50-3003028	4	Insert
	5	50-3003021	4	Ball pin
	6	50-3003029	4	Insert
	7	80-3003022-02	2	Pin hinge
	8	80-3003013	2	Nut lock
	9	80-3003011-01 80-3003011-02 ⁽⁴⁾	2	Tube
	10	80-3003013-01	2	Nut lock with left thread
	11	80-3003022-03	2	Joint body with left thread
	12	50-3003019-A	4	Housing
	13	M18x1,5-6gx100.88.35.019 ГОСТ 7795-70	4	Bolt
	14	6-20h11x120.40X.2.40 ГОСТ 9650-80	2	Axle
	15	50-3000011	1	Pivot pin
	16	50-3001010-A ^(1,2) 50-3001010-A-01 ⁽³⁾	1	Front axle
	17	4x36.019 ГОСТ 397-79	7	Split
	18	16x80.019 OCT 37.001.163-75	1	Pin
	19	18OT OCT 37.001.115-75	4	Washer
	20	M18x1,5-6H.6.019.ГОСТ 5915-70	4	Nut
	21	70-3003032	4	Nut (slotted)
	22	27П OCT 37.001.115-75	2	Washer
	23	50-3001087	2	Nut
	24	80-3001032	4	Washer
	25	80-3001031	2	Washer
	26	70-3001102-A	2	Barrel
	27	50-3001040-A1	2 ⁽¹⁽³⁾⁾	Turning lever
	28	530-3001070 ⁽¹⁾ 80-3001070 ^(2,3)	2	Sliding knuckle
	29	1.3 Ц6xp ГОСТ 19853-74	2	Greaser
	30	70-3001101-A	2	Barrel
	31	070-080-5-2-2 ГОСТ 9833-73	2	Ring
	32	530-3001065 ⁽¹⁾ 80-3001065 ^(2,3)	1	Left pin rotary
	33	Φ80-3001011 ⁽³⁾	1	Bracket
	34	Φ80-3001013 ⁽³⁾	2	Plate
	35	Д01-015 ⁽³⁾	2	Split
	36	M16-6gx40.88.35.019 ГОСТ 7796-70 ⁽³⁾	4	Bolt
	37	Φ80-3001040 ⁽³⁾	1	Rotary lever

⁽¹⁾ – for front axle 530-3000010

⁽²⁾ – for front axle 80-3000010-01

⁽³⁾ – for front axle 80-3000010-02

⁽⁴⁾ – for tractors Belarus - 512/512.1/522

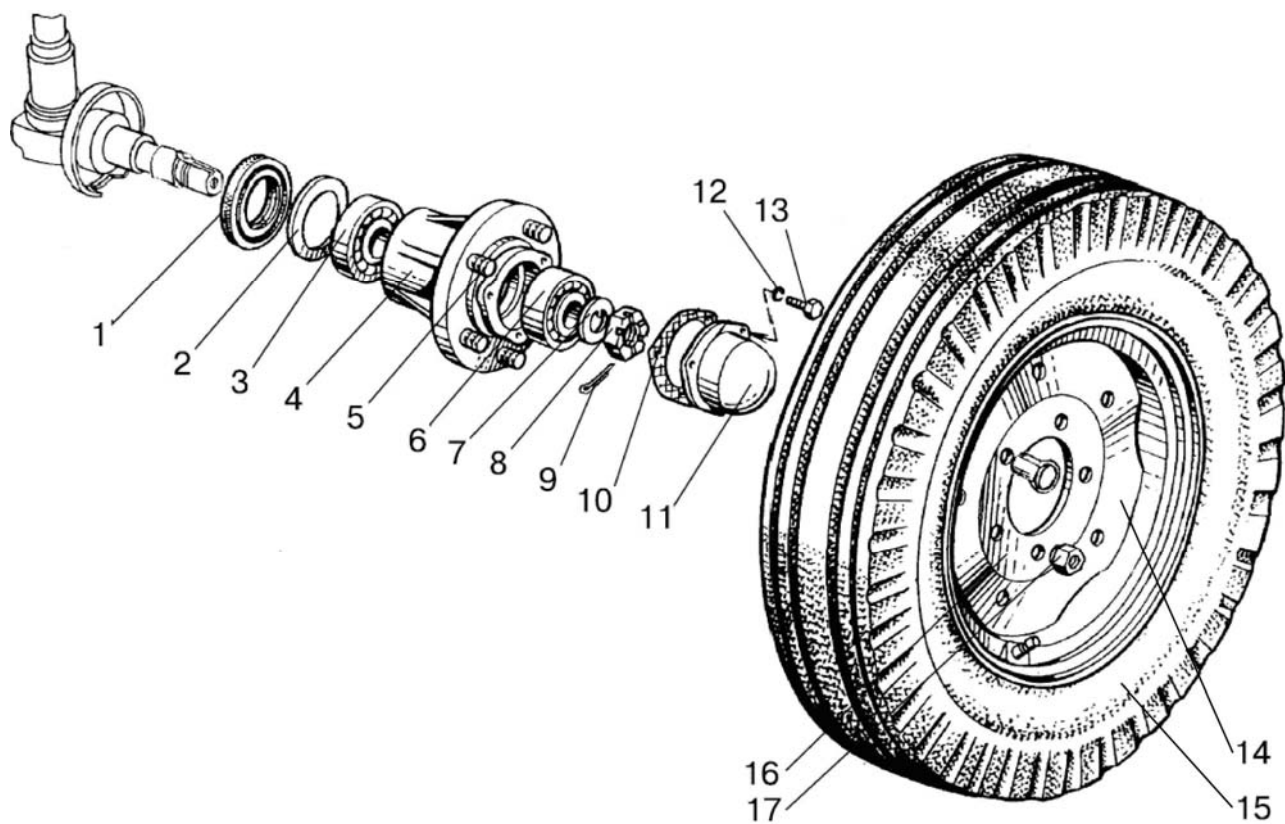


Fig.53. Front guide wheels. Hubs of front wheels.

Group 31. Wheels and hubs
Subgroup 3101, 3103. Front guide wheels.
Hubs of front wheels.

Fig No	Item No	Denomination	Quantity	Designation
53		70-3103010-A	2	Hub of front wheel (1-6)
	1	2.2-80x105-1 ГОСТ 8752-79/ ОСТ 3805146-78	2	Collar
	2	A04.03.020	2	Washer
	3	7609A ГОСТ 27365-87	2	Bearig
	4	A04.03.21	2	Hub
	5	40-3103016	10	Bolt
	6	7608A1 ГОСТ 27365-87	2	Bearing
	7	A04.03.019	2	Washer
	8	50-1701253-01	2	Nut
	9	5x45.019 ГОСТ 397-79	2	Split
	10	A04.03.014	2	Laying
	11	A04.03.013-A	2	Cover
	12	8T OCT 37.001.115-75	6	Washer
	13	M8-6gx16.88.35.019 ГОСТ 7796-70	6	Bolt
		70-3100210-02	2	Wheel 9.00-20 (assembled with tire) (14,15)
	14	5,50F-20-3101020 or 40-3101010-A3	2	Wheel 5.50F-20 (disk and rim)
	15		2	Tire 9.00R20 model Bel-311 or 9.00-20 model BΦ-223
	16	70-3104019-01	2	Special nut (technological)
	17	40-3103017-01	8	Nut

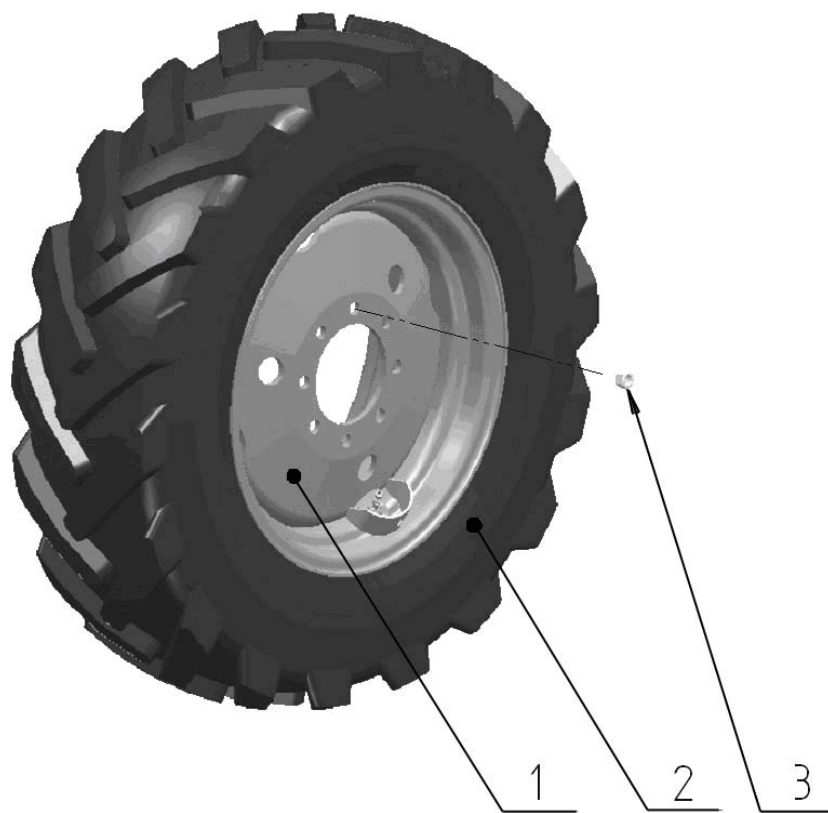


Fig.54. Front guide wheel

Group 31. Wheels and hubs
Subgroup 3101. Front guide wheels

Fig No	Item No	Denomination	Quantity	Designation
54		82-3101015-01	2	Wheel 11.2-20 (assembled with tire) (1,2)
	1	CW9-20-3101020-A	2	Wheel W9-20 (rim, wheel disk with 8 holes, apron)
	2		2	Tire 11.2-20
		82-3101015-02	2	Wheel 11.2-20 (assembled with tire) (1,2)
	1	W9-20-3101020-A-01	2	Wheel W9-20 (rim, wheel disk with 5 holes)
	2		2	Tire 11.2-20
	3	40-3103017-01	16	Nut

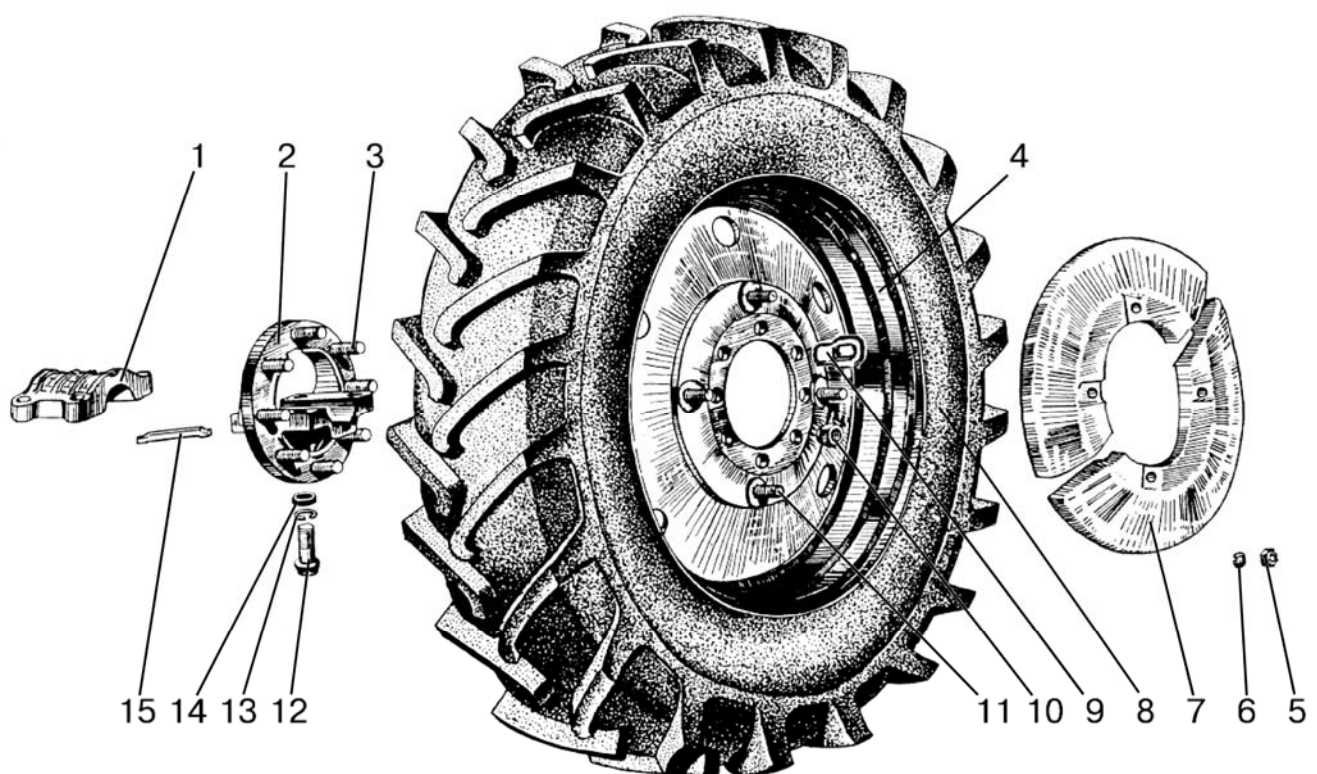


Fig.55. Rear wheels. Hubs of rear wheels

Group 31. Wheels and hubs
Subgroup 3101. Rear wheels. Hubs of rear wheels

Fig No	Item No	Denomination	Quantity	Designation
55		70-3100220-A	2	Ring 15.5R38 (assembled with tire) (4, 8)
	1	70-3104025	2	Insert
	2	50-3104015	2	Hub
	3	40-3104021	16	Bolt
	4	C70-3107012	2	Ring DW14L-38 (disc, rim, safety apron)
	5	M16-6H.6.019 ГОСТ 5915-70	8	Nut
	6	16 OT OCT 37.001.115-75	8	Washer
	7	50-3107018-A	4	Loads (upon order)
	8		2	Tire 15.5R38
	9	70-3104019	2	Special nut (technological)
	10	36-3104019	14	Nut
	11	7-34-108	8	Bolt
	12	50-3104028	8	Bolt
	13	27 Л OCT 37.001.115-75	8	Washer
	14	50-3104029	8	Ball washer
	15	50-3104016	2	Dowel

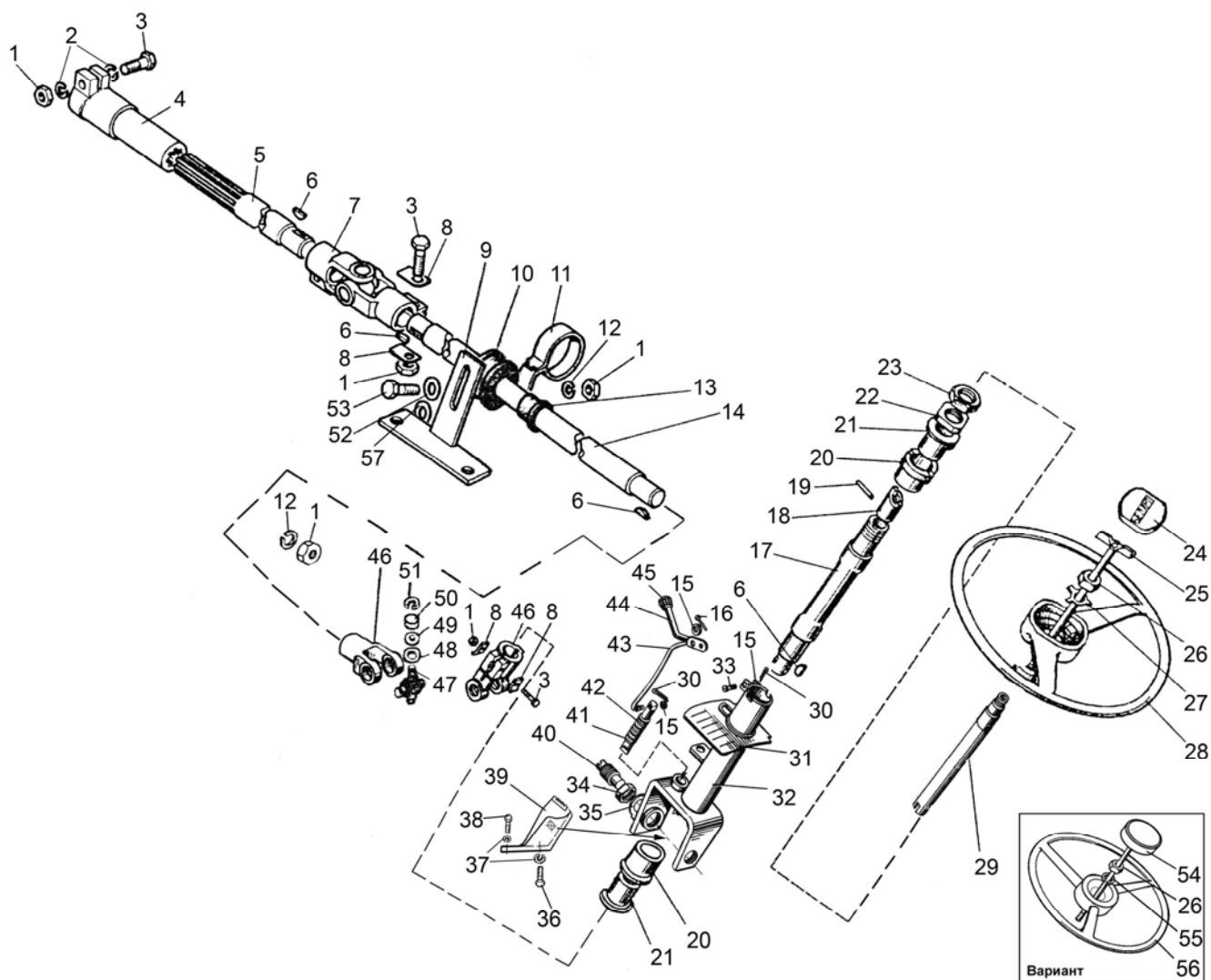


Fig.56. Steering control drive

Group 34. Steering control
Subgroup 3401. Steering control drive

Fig No	Item No	Assembly unit or part No	Quantity	Designation
56		80-3401015-01	1	Steering column (1,3,6,8, 17-23, 32,34,35, 39-42, 46-51)
		70-3401050-Б	1	Shaft (17-19)
		50-3401060	1	Cardan (46-51)
	1	M10-6H.6.019. ГОСТ 5915-70	6	Nut
	2	10Л OCT 37.001.115-75	2	Washer
	3	M10-6gx45.88.35.019 ГОСТ 7795-70	5	Bolt
	4	80-3401070	1	Bushing
	5	80-3401072	1	Shaft
	6	СШ-510	4	Dowe 5x10
	7	50-3401060	1	Cardan
	8	80-3401013	4	Washer
	9	80-3401105	1	Post
	10	80-3401104	1	Shock absorber
	11	80-3401103	1	Clamp
	12	10 OT OCT 37.001.115-75	1	Washer
	13	80-3401106	1	Bushing
	14	80-3401052-Б	1	Shaft
	15	С 6.01.019 ГОСТ 11371-78	2	Washer
	16	1,6x12.019 ГОСТ 397-79	1	Split
	17	70-3401055	1	Intermediate shaft
	18	70-3401054-Б	1	Shaft shank
	19	ШЦК 8x36	1	Dowel
	20	70-3401077-Б	2	Shock absorber
	21	70-3401076	2	Bush
	22	70-3401078	1	Nut
	23	70-3401079	1	Nut lock
	24	80-3401082	1	Cover
	25	80-3401140	1	Clamp
	26	M16x1,5-6H.6.019. ГОСТ 5915-70	1	Nut
	27	50-3401091	1	Washer
	28	80-3402015	1	Steering wheel
	29	70-3401074-Б	1	Steering shaft
	30	2x12.019 ГОСТ 397-79	1	Split
	31	70-3401094	1	Plate
	32	70-3401020	1	Tube
	33	6x18 OCT 37.001.163-75	1	Pin
	34	M27x2-6H.04.019 ГОСТ 15522-70	2	Nut
	35	70-3401028	2	Washer
	36	M12-6gx55.88.35.019 ГОСТ 7796-70	1	Bolt
	37	12 OT OCT 37.001.115-75	3	Washer
	38	M12-6gx30.88.35.019 ГОСТ 7796-70	2	Bolt
	39	70-3401031-Б	1	Post
	40	70-3401089	2	Screw
	41	70-3401088-Б	1	Fixer
	42	70-3401087	1	Spring
	43	70-3401084	1	Draught
	44	70-3401083	1	Lever
	45	70-3401093	1	Cap
	46	50-3401061-A	2	Fork
	47	50-3401062	1	Crossbar
	48	50-3401063	4	Iron ring
	49	50-3401064	4	Gland

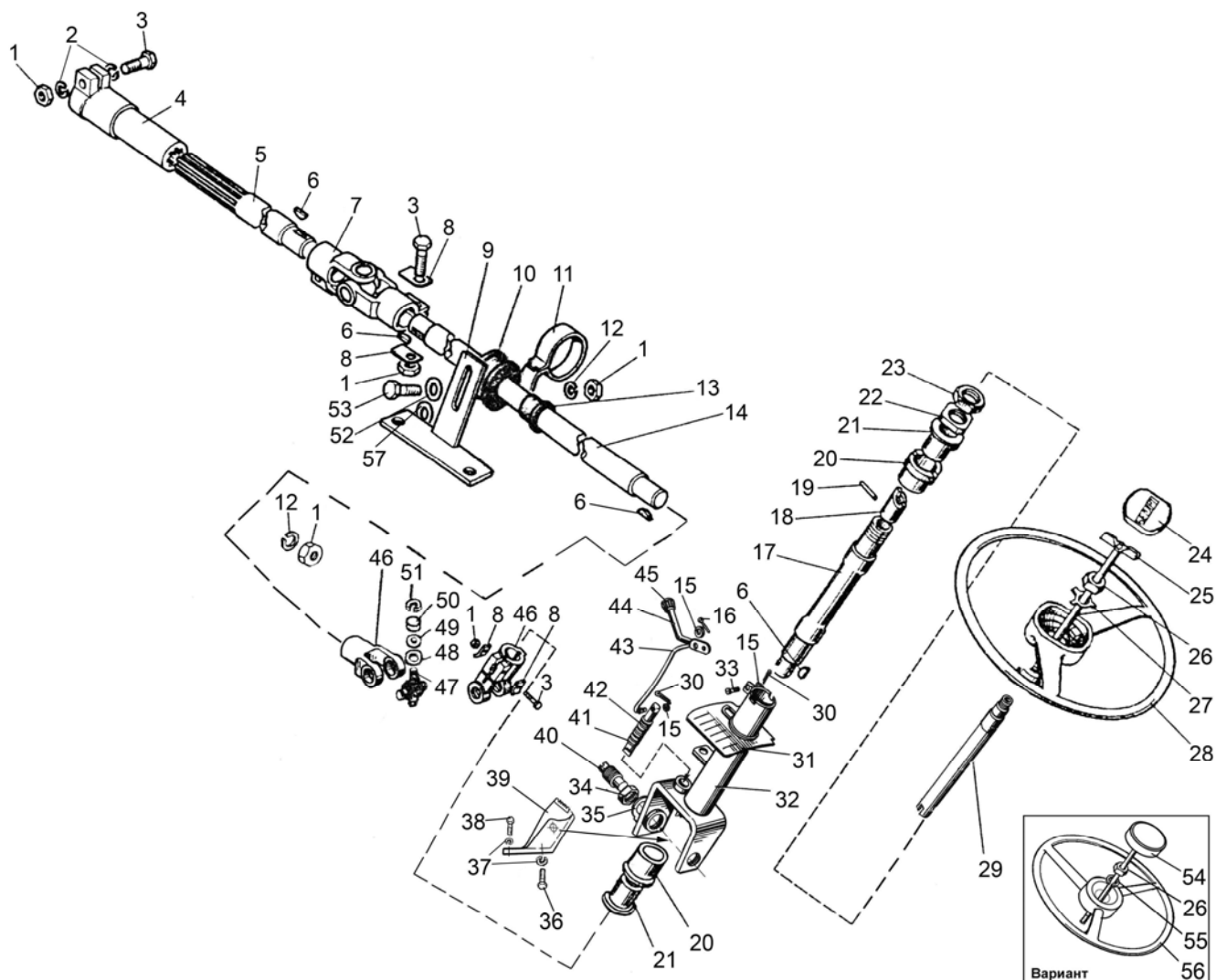


Fig.56. Steering control drive

Group 34. Steering control
Subgroup 3401. Steering control drive

Fig No	Item No	Assembly unit or part No	Quantity	Designation
56	50	904700 YC17 TY 37.006.065-90	4	Bearing
	51	C19 FOCT 13943-86	4	Ring
	52	C 10.01.019 FOCT 11371-78	1	Washer
	53	M10-6gx30.88.35.019 FOCT 7796-70	1	Bolt
	54	822-3401140-A1	1	Clamp
	55	16 OT OCT 37.001.115-75	1	Washer
	56	70-3402015-A	1	Steering wheel
	57	C 10.01.019 FOCT 6958-78	3	Washer

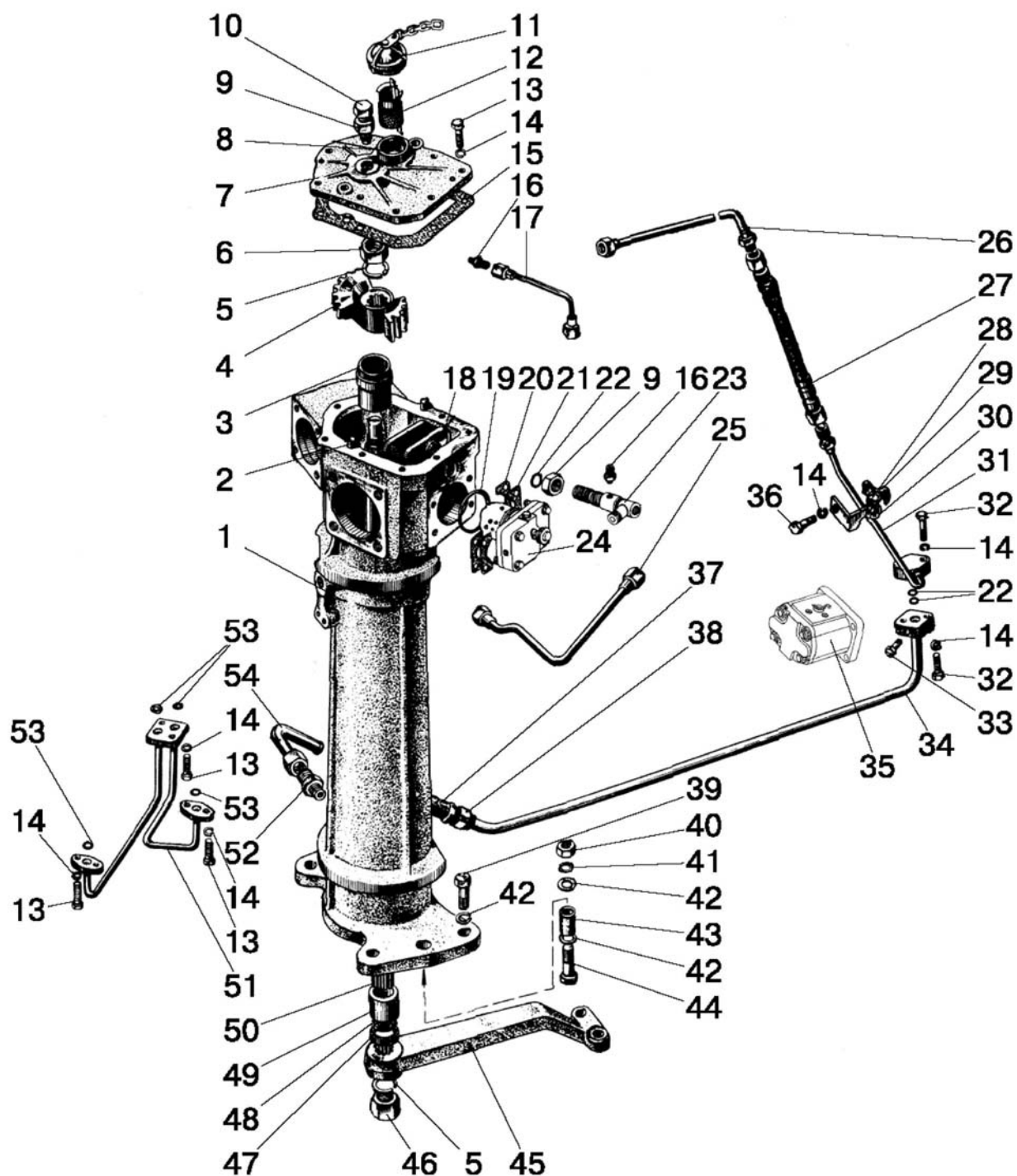


Fig.57. Hydraulic units and fittings of steering booster

Group 34. Steering control
Subgroup 3405, 3407. Hydraulic units and fittings of steering booster

Fig No	Item No	Denomination	Quantity	Designation
57		72-3400015-02*	1	Steering booster of steering control (1-25, 52-3405042, 46-54 fig.57, 1-16 fig.58, 1-38 fig.59)
		70-3400015-02**	1	Steering control booster (1-25, 50-3405042, 46-54 fig.57, 1-16 fig.58, 1-38 fig.59)
		50-3405012-A1	1	Body (1,3, 49)
		50-3405020-A	1	Cover (7,8)
		50-3405025-A1***	1	Booster body (2, 50-3405012A/20A)
		50-3405030-01	1	Shaft with sector (4-6, 50)
		70-3407030-01	1	Oil liner (34, 37, 38, 54)
		70-3407040-A1	1	Oil liner (26, 27, 31)
	1	50-3405016-A	1	Body
	2	50-1601352	2	Dowel
	3	50-3405029-A	1	Bushing
	4	50-3405024	1	Sector
	5	30 Л OCT 37.001.115-75	2	Washer
	6	50-3405052	1	Nut
	7	50-3405031-Б	1	Cover
	8	40A-1119076	1	Mouth
	9	40-3405062	2	Nut
	10	50-3405039	1	Adjusting bolt
	11	50-3407050	1	Plug
	12	50-4608015-A	1	Filling filter
	13	M8-6gx25.88.35.019 ГОСТ 7796-70	14	Bolt
	14	8T OCT 37.001.115-75	19	Washer
	15	50-3407043-A-01	1	Laying
	16	50-3407064	2	Choke
	17	50-3407080	1	Oil line
	18	50-3407010-01	1	Draining filter
	19	054-060-36-1-4 ГОСТ 18829-73/ ГОСТ 9833-73	1	Ring
	20	50-3405044	10	Laying 0,2 mm
	21	50-3405046	2	Laying 0,5 mm
	22	017-022-30-1-4 ГОСТ 18829-73/ ГОСТ 9833-73	3	Ring
	23	70-4302010	1	Valve
	24	70-4801010	1	Lock detector
	25	70-3407130	1	Oil line
	26	70-3407150-Б	1	Oil line
	27	H.036.83.150	1	Hose
	28	70-3506027	1	Bushing
	29	70-3407163	1	Brace
	30	70-3407164	1	Bracket
	31	70-3407140-Б	1	Oil line
	32	M8-6gx35.88.35.019 ГОСТ 7796-70	4	Bolt
	33	КГ 1/8"	2	Plug
	34	70-3407100	1	Oil line
	35	НШ10-3Л or НШ10Г-3Л	1	Gear pump
	36	M8-6gx20.88.35.019 ГОСТ 7796-70	1	Bolt
	37	70-3407047-01	1	Hose
	38	XC-26 or "HOPMA" TORRO 16-25/9-C6W	2	Clamp

* for tractors «Belarus-510/510.1/520»

** for tractors «Belarus-512/512.1/522»

*** Only for spare parts

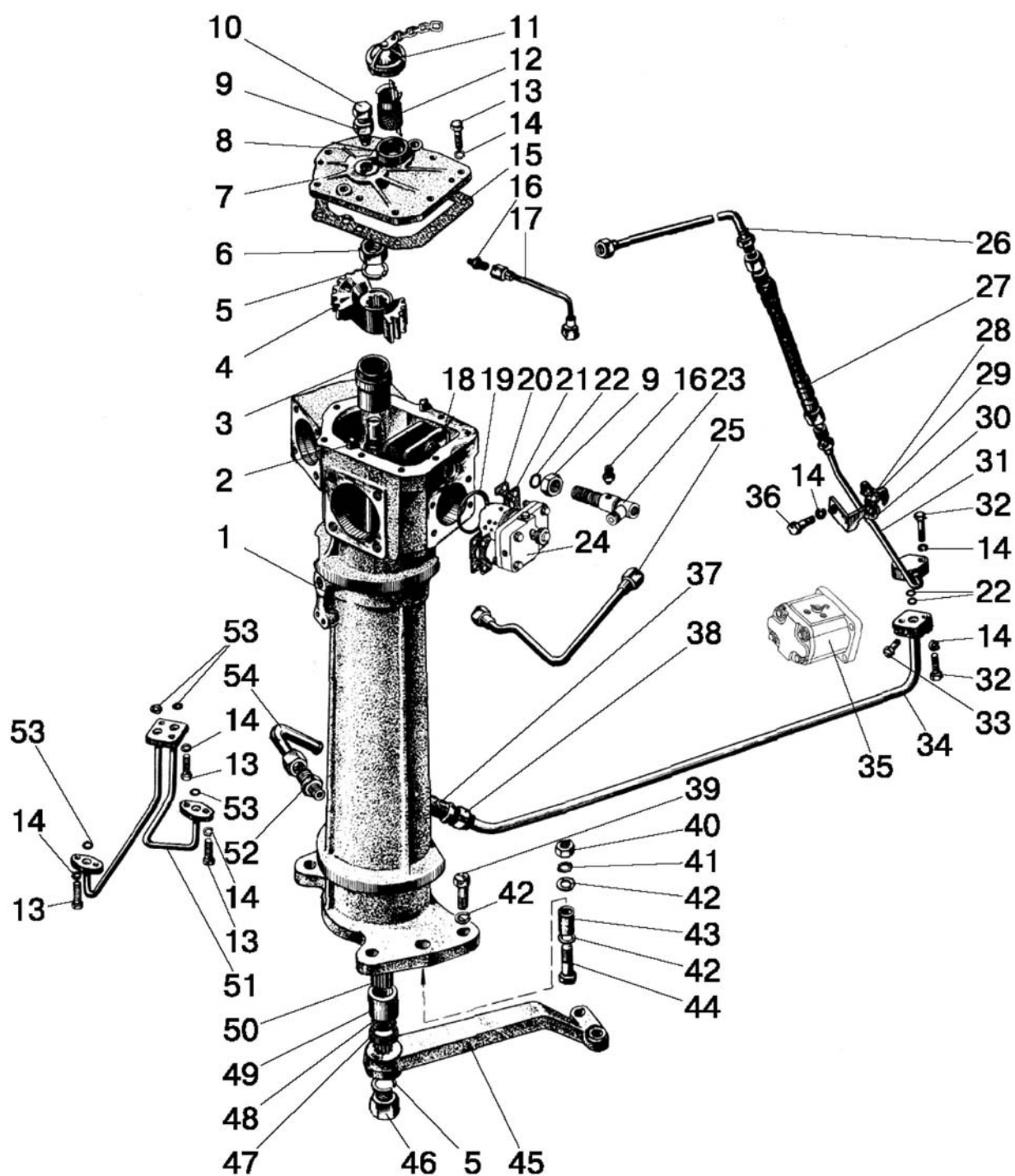


Fig.57. Hydraulic units and fittings of steering booster.

Group 34. Steering control
Subgroup 3405, 3407. Hydraulic units and fittings of steering booster.

Fig No	Item No	Denomination	Quantity	Designation
57	39	M16-6gx50.88.35.019 ГОСТ 7796-70	4	Bolt
	40	M16-6H.6.019 ГОСТ 5915-70	2	Nut
	41	16 OT OCT 37.001.115-75	6	Washer
	42	C 16.01.019 ГОСТ 11371-78	4	Washer
	43	50-3405041	2	Barrel
	44	M16-6gx75.88.35.019 ГОСТ 7795-70	2	Bolt
	45	50-3405042*	1	Steering arm
		52-3405042**	1	Steering arm
	46	50-3405053	1	Nut
	47	2.2-38x58-1 ГОСТ 8752-79/ OCT 3805146-78	1	Collar
	48	50-3405037	1	Ring
	49	50-3405032	1	Bushing
	50	50-3405047	1	Shaft
	51	50-3407015	1	Oil line
	52	H.036.05.003	1	Connecting pipe
	53	011-016-30-2-4 ГОСТ 18829-73/ ГОСТ 9833-73	4	Ring
	54	70-3407110	1	Oil line

* for tractors «BELARUS-510/510.1/520»

** for tractors «BELARUS-512/512.1/522»

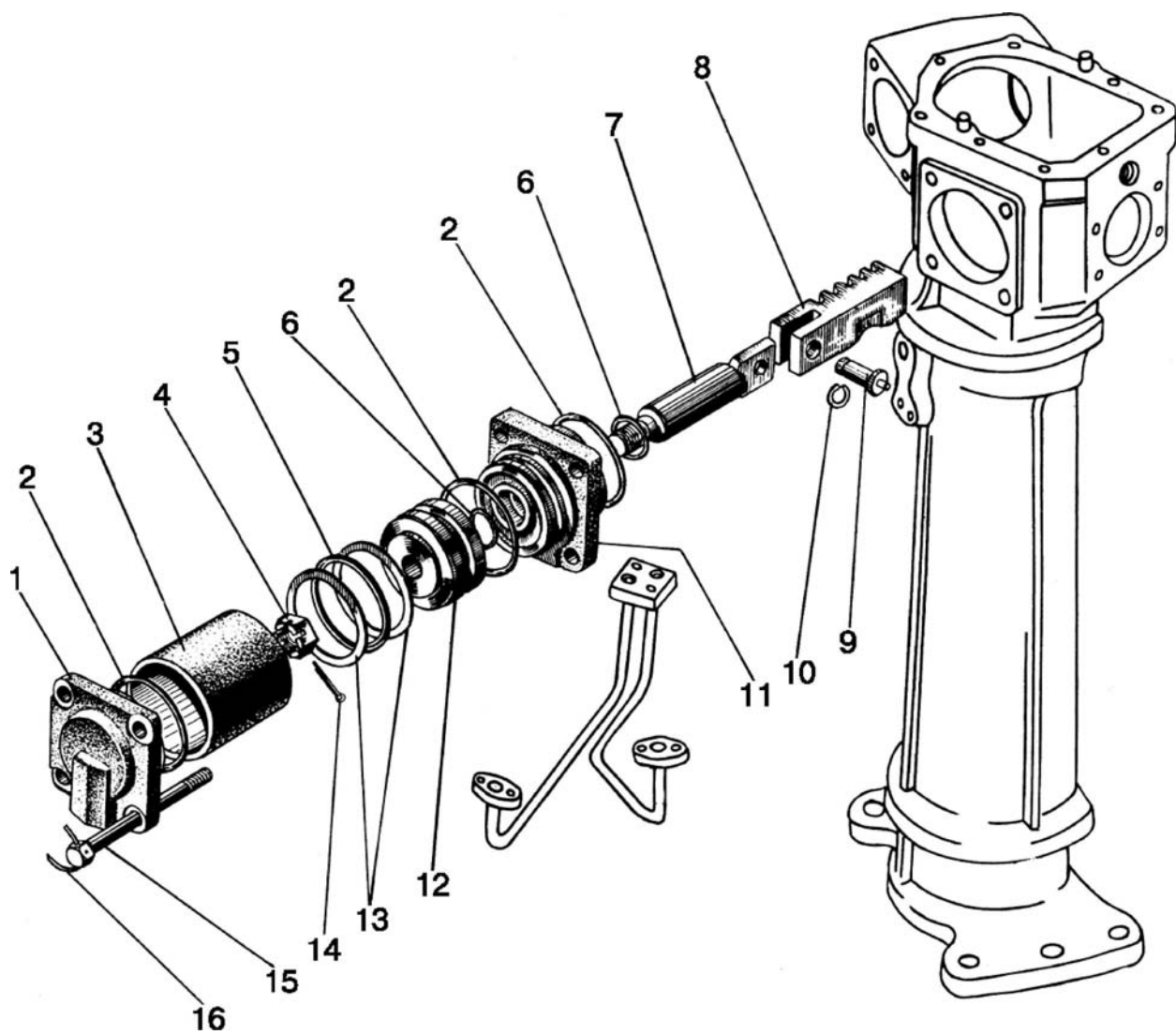


Fig.58. Steering booster cylinder

Group 34. Steering control
Subgroup 3405. Steering booster cylinder

Fig No	Item No	Denomination	Quantity	Designation
58		50-3405015	1	Cylinder (1-7, 11-15)
		70-3405010	1	Cylinder with rack (50-3405015, 8-10)
	1	50-3405018	1	Cover
	2	085-090-30-1-4 ГОСТ 18829-73/ ГОСТ 9833-73	3	Ring
	3	50-3405019	1	Body
	4	50-3405049	1	Nut
	5	Ц90-1212043-3	1	Ring
	6	030-038-46-1-4 ГОСТ 18829-73/ ГОСТ 9833-73	2	Ring
	7	50-3405021	1	Stick
	8	70-3405022	1	Stick
	9	50-3405033-A	1	Pin
	10	C18 ГОСТ 13940-86	1	Ring
	11	50-3405017	1	Cover
	12	50-3405014	1	Piston
	13	Ц90-1212042	2	Laying
	14	4x36.019 ГОСТ 397-79	1	Splint
	15	50-3405043	4	Bolt
	16	1,6-O-C ГОСТ 3282-74	2	Wire (250mm)

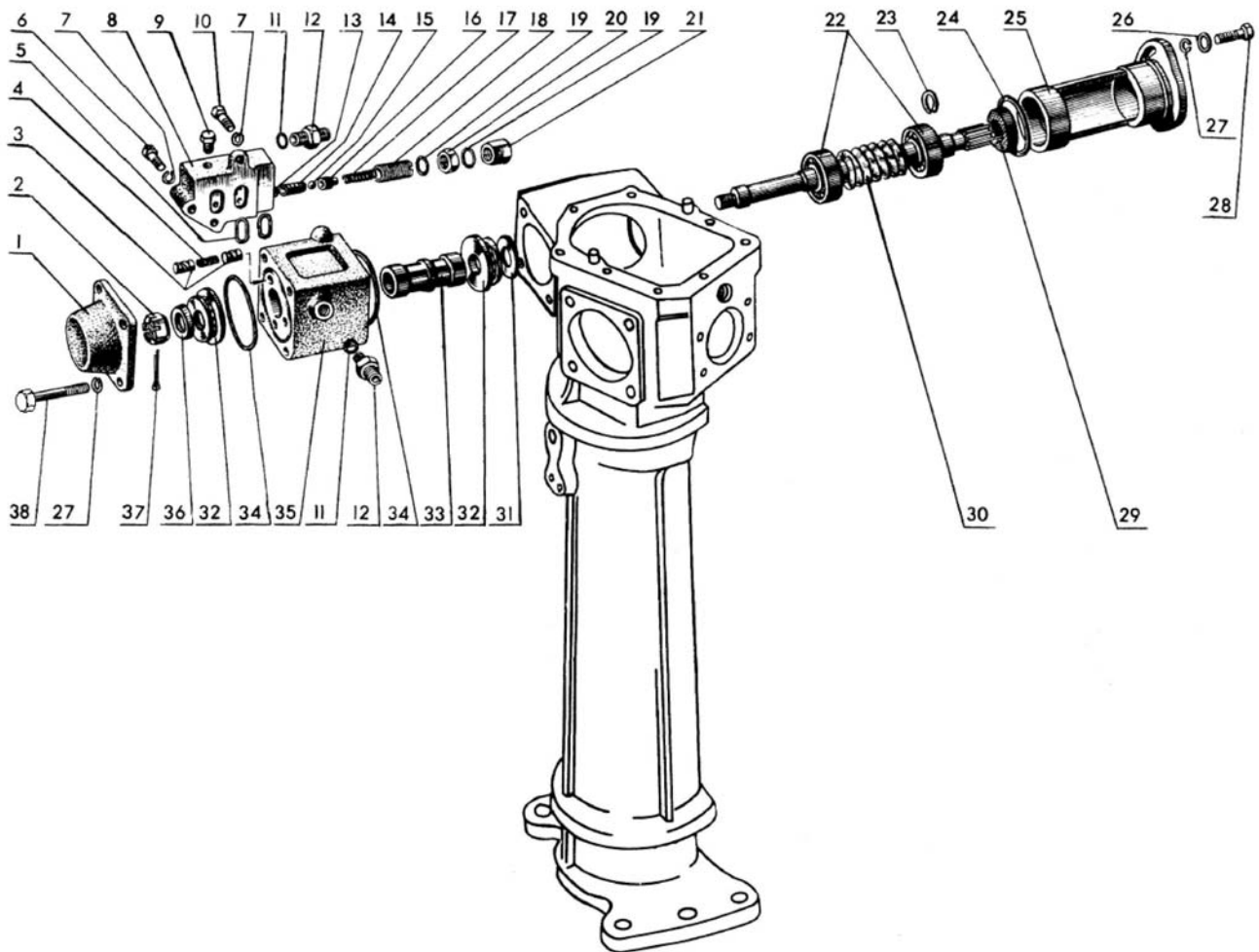


Fig.59. Steering booster control valve

Group 34. Steering control
Subgroup 3406. Steering booster control valve

Fig No	Item No	Denomination	Quantity	Designation
59		50-3406015-A	1	Steering booster control valve (3-7, 10-12, 27, 33, 35-38, 50-3406011-A)
		50-3406011-A	1	Valve cover (8, 9, 11-21)
	1	50-3406024	1	Cover
	2	50-3406039	1	Nut
	3	50-3406019-B	6	Sliding bar
	4	50-3406033	3	Spring
	5	020-025-30-1-4 ГОСТ 18829-73/ ГОСТ 9833-73	2	Ring
	6	M8-6gx50.88.35.019 ГОСТ 7795-70	2	Bolt
	7	8T OCT 37.001.115-75	3	Washer
	8	50-3406017-B	1	Cover
	9	КГ 1/8". А12.019 ТУ 23.1.506-91	1	Plug
	10	M8-6gx25.88.35.019 ГОСТ 7796-70	1	Bolt
	11	017-022-30-1-4 ГОСТ 18829-73/ ГОСТ 9833-73	2	Ring
	12	H.036.04.003	2	Bean
	13	P75-B-028A	1	Laying
	14	50-3406028	1	Socket
	15	5,556-60 ГОСТ 3722-81	1	Ball
	16	50-3406027	1	Guide arm
	17	50-3406026	1	Spring
	18	P80-049	1	Screw
	19	018-022-25-2-3 ГОСТ 18829-73/ ГОСТ 9833-73	2	Ring
	20	P75-058Б	1	Nut
	21	50-3406029	1	Cap
	22	205K ГОСТ 8338-75	2	Piston
	23	36-1702358	1	Spring ring
	24	50-3405036	1	Ring
	25	50-3405026	1	Washer
	26	C 10.01.019 ГОСТ 11371-78	1	Bushing
	27	10 OT OCT 37.001.115-75	5	Bushing
	28	M10-6gx25.88.35.019 ГОСТ 7796-70	1	Bolt
	29	2.2-25x42-1 ГОСТ 8752-79/ OCT 3805146-78	1	Collar
	30	50-3406034	1	Round end
	31	50-3406037	1	Bushing
	32	958705	2	Piston
	33	50-3406018-B	1	Slide
	34	085-090-30-1-4 ГОСТ 18829-73/ ГОСТ 9833-73	2	Ring
	35	50-3406016-B	1	Body
	36	50-3406041	1	Bushing
	37	4x36.019 ГОСТ 397-79	1	Split
	38	M10-6gx100.58.019 ГОСТ 7795-70	4	Bolt

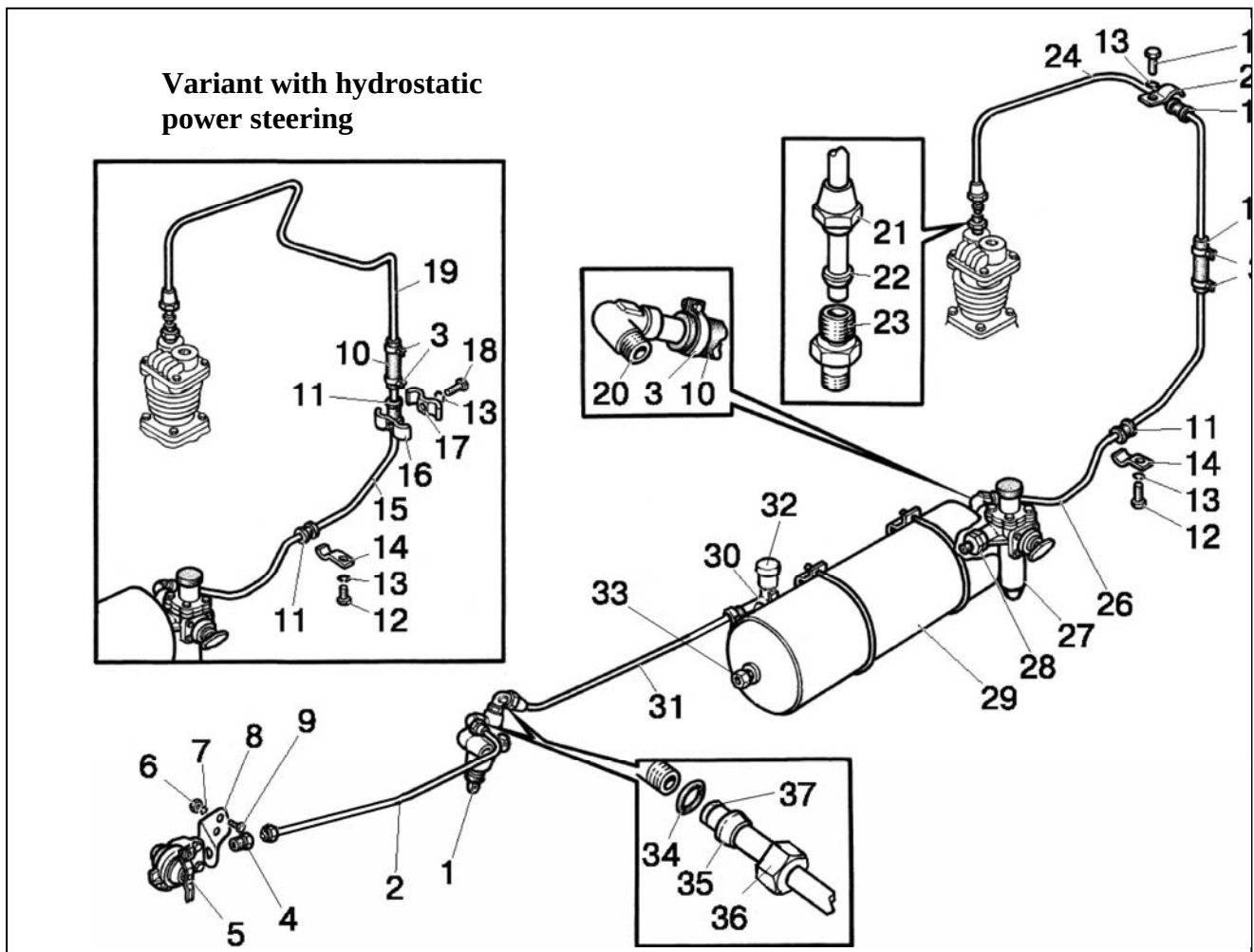


Fig.60. Pipelines and fittings of trailer brake single-line pneumatic drive

Group 35. Pneumatic drive
Subgroup 3506. Pipelines and fittings of trailer brake single-line pneumatic drive

Fig No.	Item No	Denomination	Quantity	Designation
60		80-3506005		Pneumatic drive
		70-3506120		Pipeline (21, 22, 24)
		80-3506455		Pipeline (31, 35-37)
		1021-3506020-01		Pipeline (2, 35-37)
		80-3506220		Pipeline (21, 22, 19)
	1	80-3514010	1	Brake valve
		A29.3514010*	1	Brake valve
	2	1021-3506021-01	1	Pipe
	3	XC-21	4	Buckle
		16-25/9-C6W «HOPMA»*	4	Buckle
	4	1522-3521012	1	Bean
	5	80-3521010	1	Coupling head
		A29.76.000*	1	Coupling head
	6	M10-6H.6.019 ГОСТ 5915-70	2	Nut
	7	10 OT OCT 37.001.115-75	2	Bushing
	8	70-3521012	1	Bracket
	9	M10-6gx25.88.35.019 ГОСТ 7796-70	2	Bolt
	10	70-1405013	2	Hose
	11	70-3506027	2	Bushing
	12	M8-6gx16.88.35.019 ГОСТ 7796-70	2	Bolt
	13	8T OCT 37.001.115-75	2	Bushing
	14	70-6804011	1	Holder
	15	80-3506041	1	Pipeline
	16	70-3407144	1	Strip
	17	70-3407146	1	Strip
	18	M8-6gx30.88.35.019 ГОСТ 7796-70	1	Bolt
	19	80-3506221	1	Pipeline
	20	70-3513015	1	Square
	21	70-3506023	1	Captive nut
	22	80-3506024	1	Muff
	23	70-3506022	1	Bean
	24	70-3506121	1	Pipeline
	25	70-3506101-A1	1	Plate
	26	80-3506441	1	Pipeline
	27	80-3512010	1	Pressure regulator
		A29.51.000Б*	1	Pressure regulator
	28	80-3512006	1	Lock nut
	29	80-3513010	1	Ballon
	30	80-3513025	1	T-bend
	31	80-3506454	1	Pipe
	32	ДД10-01-Е	1	Air-pressure sensor
	33	ДАДВ	1	Emergency air-pressure sensor
	34	012-015-19-2-4 ГОСТ 18829-73/9833-73	4	Ring
	35	1522-3506024	4	Muff
	36	1522-3506023	4	Captive nut
	37	1522-3506022	4	Nipple

* Variant

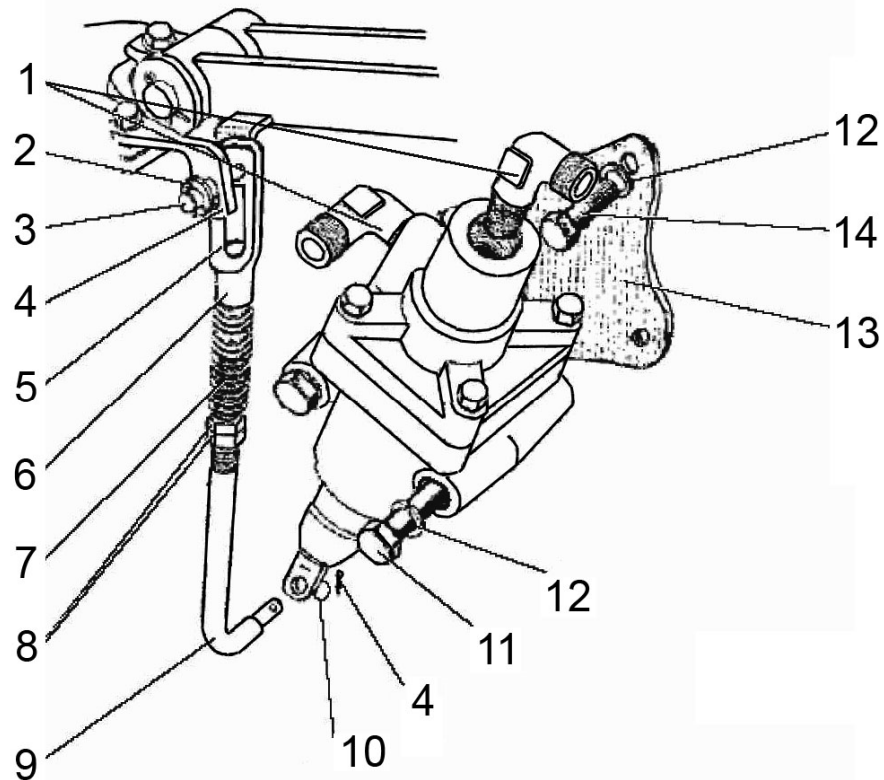


Fig.61. Brake valve (single-line)

Group 35. Brakes
Subgroup 3514. Brake valve (single-line)

Fig No.	Item No	Denomination	Quantity	Designation
61		80-3514130	1	Draft (5-9)
	1	1522-3514033	2	Square
	2	C 12.01.019 ГОСТ 11371-78	2	Bushing
	3	12x40 OCT 37.001.163-75	1	Pin
	4	3,2x18.019 ГОСТ 397-79	2	Split
	5	80-3514133	1	Nut
	6	80-3514132	1	Cap
	7	ДСШ-14.21.141	1	Spring
	8	M12x1,25-6H.6.019 ГОСТ 5915-70	2	Nut
	9	80-3514131	1	Draft
	10	C 8.01.019 ГОСТ 11371-78	1	Bushing
	11	M10-6gx70.88.35.019 ГОСТ 7795-70	2	Bolt
	12	10 OT OCT 37.001.115-75	4	Bushing
	13	80-3514109	1	Bracket
	14	M10-6gx40.88.35.019 ГОСТ 7796-70	2	Bolt

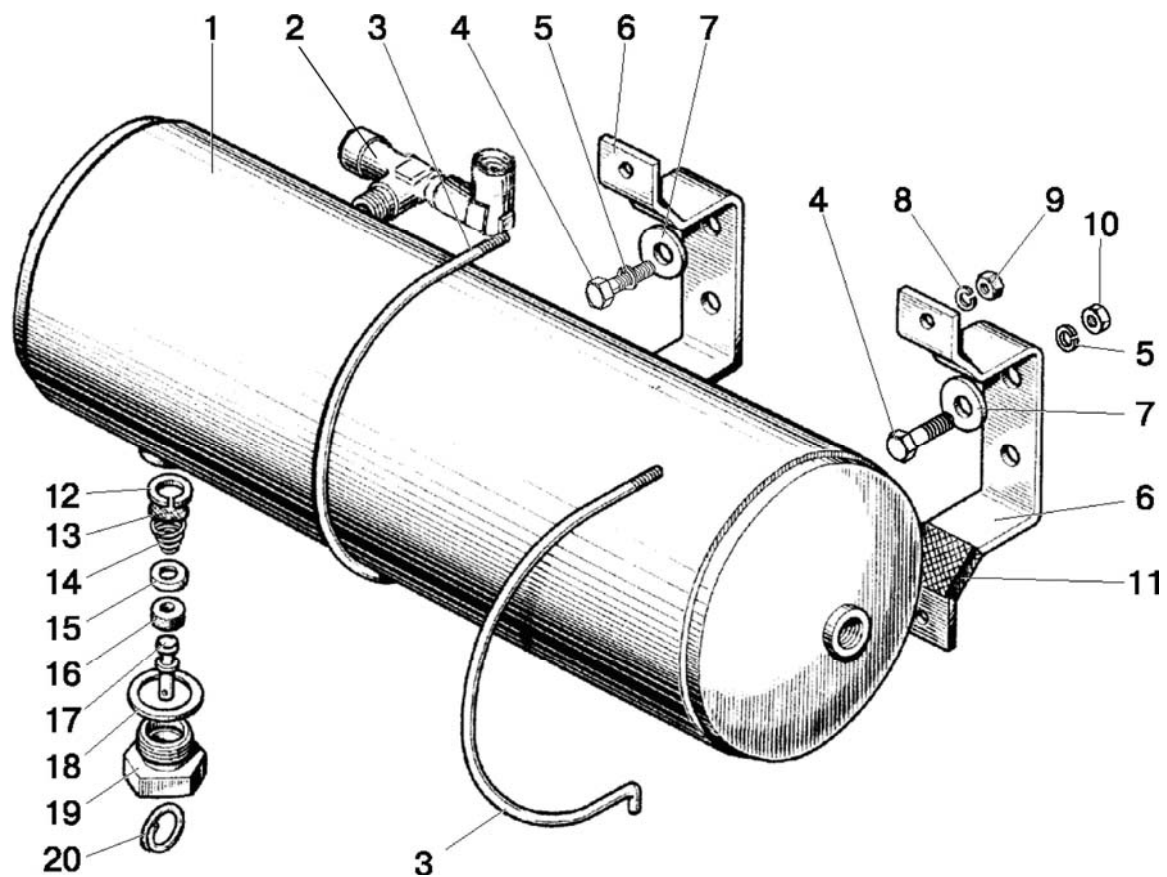


Fig.62. Ballon

Group 35. Brakes
Subgroup 3513. Ballon

Fig No	Item No	Denomination	Quantity	Designation
62		80-3513005	1	Ballon (1-20)
		85-3513110	1	Valve (13-18, 20)
	1	85-3513010	1	Ballon
	2	80-3513025	1	T-branch
	3	B50-3513032	2	Clip
	4	M16-6gx32.88.35.019 ГОСТ 7796-70	4	Bolt
	5	16 OT OCT 37.001.115-75	4	Bushing
	6	B50-3513025-A	2	Bracket
	7	C 16.01.019 ГОСТ 6958-78	2	Bushing
	8	6T OCT 37.001.115-75	2	Bushing
	9	M6-6H.6.019 ГОСТ 5915-70	2	Nut
	10	M16-6gx32.88.35.019 ГОСТ 7796-70	2	Nut
	11	ПП-43-01	4	Profile YM6a
	12	85-3513128	1	Ring
	13	85-3513117	1	Filter
	14	85-3513126	1	Spring
	15	85-1313127	1	Plate
	16	85-3513113	1	Valve
	17	85-3513124	1	Push bar
	18	B50-3522023	1	Laying
	19	85-3513120	1	Body
	20	H50-4202146	1	Ring

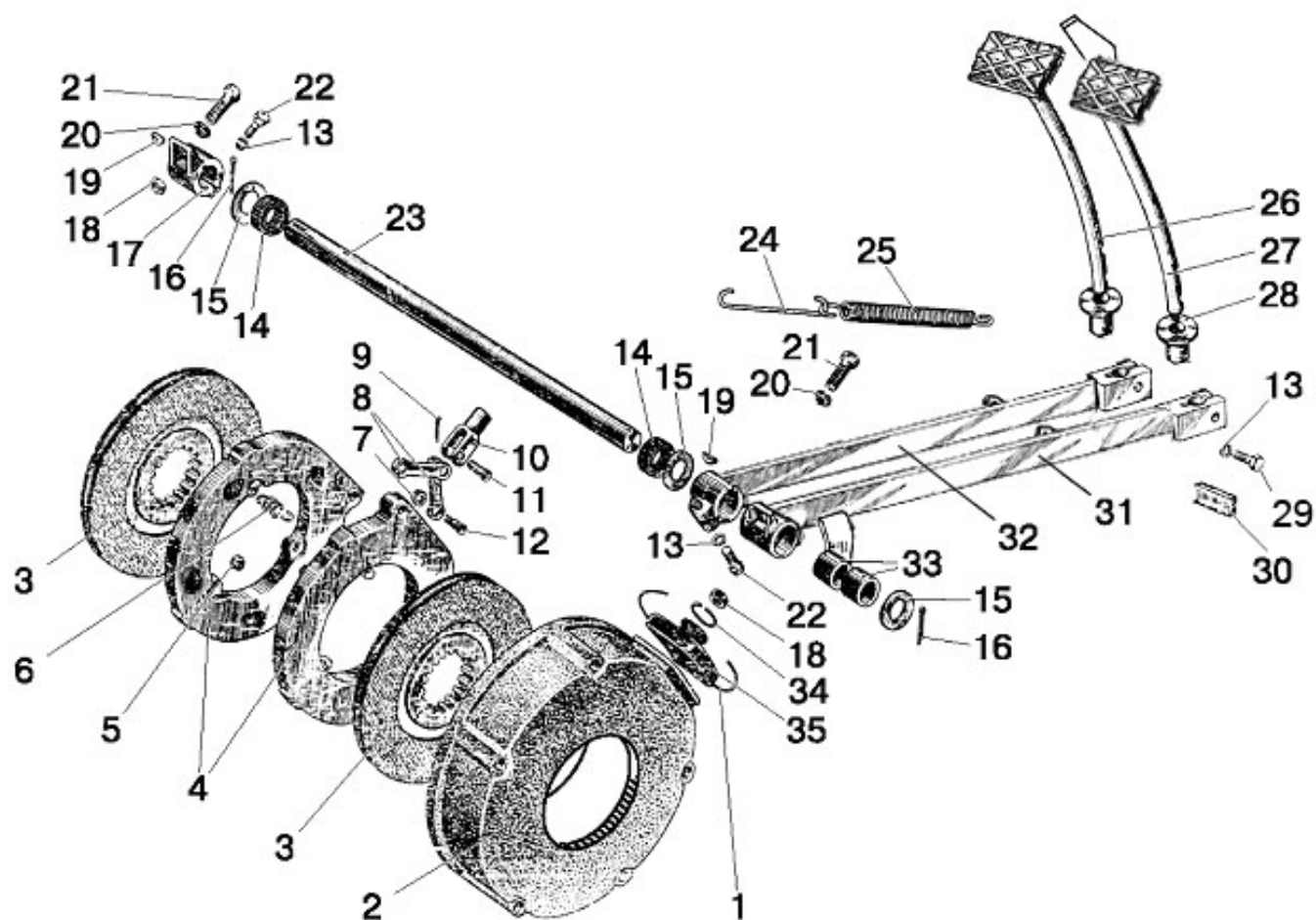


Fig.63. Service brakes. Brake control

Group 35. Brakes
Subgroup 3502, 3503. Service brakes. Brake control

Fig No.	Item No	Denomination	Quantity	Designation
63		85-3502010	2	Brake (1-12, 36, 37)
		85-3502030	2	Pressure plates (4-12)
		70-3503080	2	Draft brakes (18, 20, 21)
	1	1,6-O-C ГОСТ 3282-74	2	Wire (L=300mm)
	2	85-3502035	2	Housing
	3	85-3502040-01/-04	4	Disk
	4	85-3502036	4	Pressure disk
	5	22,225-100 ГОСТ 3722-81	10	Ball
	6	77.38.163	6	Spring
	7	M8-6H.6.019 ГОСТ 5915-70	4	Nut
	8	85-3502196	4	Draft
	9	3,2x18.019 ГОСТ 397-79	2	Split
	10	50-3502203	2	Fork
	11	12x32 OCT 37.001.163-75	2	Pin
	12	50-3502198	4	Pin
	13	12 OT OCT 37.001.115-75	4	Bushing
	14	2.2-25x42-1 ГОСТ 8752-79/ OCT 38.05.146-78	2	Collar
	15	50-3503071	3	Bushing
	16	5x36.019 ГОСТ 397-79	2	Split
	17	70-3503017-A	1	Lever
	18	M12x1,25-6H.6.019 ГОСТ 5915-70	2	Nut
	19	СШ-611	2	Dowel 6x11
	20	70-3503018	2	Bushing
	21	70-3503019	2	Bolt
	22	M12-6gx35.88.35.019 ГОСТ 7796-70	2	Bolt
	23	50-3503015	1	Roller
	24	70-3503045	2	Lengthener
	25	50-1605152	2	Spring
	26	70-3503040	1	Left pedal
	27	70-3503030	1	Right pedal
	28	80-3503158-A	2	Fastener
	29	M12-6gx30.88.35.019 ГОСТ 7796-70	2	Bolt
	30	50-3503067	1	Stop block
	31	70-3503050-Б	1	Lever
	32	70-3503060	1	Lever
	33	50-3503064	2	Bushing
	34	36-1702358*	2	Spring ring
	35	50-3502202	2	Housing

* Upon an order

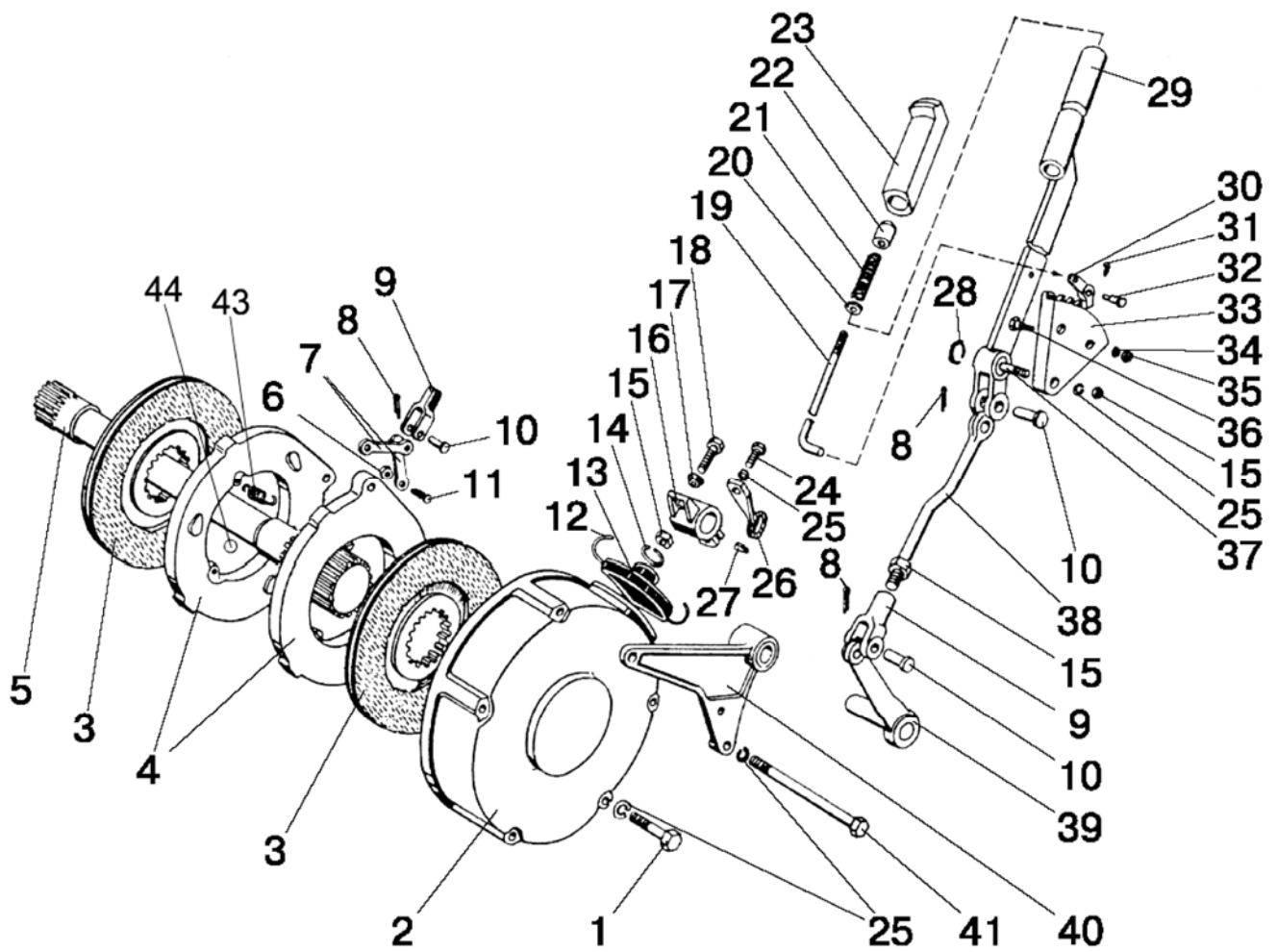


Fig.64. Parking brake

Group 35. Brakes
Subgroup 3507. Parking brake

Fig No	Item No	Denomination	Quantity	Designation
64		50-3502010	1	Brake (2-4, 6-14, 43, 44)
		50-3502030-A	1	Pressure plate (4, 6-11, 43, 44)
		70-3503080	1	Brake Draft (15, 17, 18)
		70-3507050	1	Bracket (16, 24-27, 39-40)
		70-3507020	1	Lever (19-23, 29-32)
		70-3507040	1	Draft (9, 15, 38)
	1	M12-6gx180.58.019 ГОСТ 7795-70	3	Bolt
	2	50-3502035	1	Housing
	3	70-3502040-01 or 70-3502040-04	2	Disc
	4	50-3502036-Б	2	Pressure plate
	5	70-3504055	1	Shaft
	6	M8-6H.6.019 ГОСТ 5915-70	2	Nut
	7	50-3502196	2	Draft
	8	3,2x18.019 ГОСТ 397-79	3	Split
	9	50-3502203	2	Fork
	10	12x32 OCT 37.001.163-75	3	Pin
	11	50-3502198	2	Pin
	12	1,6-O-C ГОСТ 3282-74	1	Wire (L=300mm)
	13	50-3502202	1	Housing
	14	36-1702358*	1	Spring ring
	15	M12x1,25-6H.6.019 ГОСТ 5915-70	3	Nut
	16	70-3503017-A	1	Lever
	17	70-3503018	1	Bushing
	18	70-3503019	1	Bolt
	19	70-3507022	1	Draft
	20	C 5.01.019 ГОСТ 11371-78	1	Bushing
	21	55-17-27	1	Spring
	22	A13.19.002	1	Key button
	23	A13.19.001-A	1	Handle
	24	M12-6gx40.88.35.019 ГОСТ 7796-70	1	Bolt
	25	12 OT OCT 37.001.115-75	7	Bushing
	26	70-3514107	1	Lever
	27	СШ-611	1	Dowel
	28	C15 ГОСТ 13942-86	1	Ring
	29	70-3507030	1	Lever
	30	50-1606026	1	Catch
	31	2x12.019 ГОСТ 397-79	1	Split
	32	70-3507024	1	Axle
	33	70-3507021-Б	1	Sector
	34	10 OT OCT 37.001.115-75	2	Bushing
	35	M10-6H.6.019 ГОСТ 5915-70	2	Nut
	36	M10-6gx35.88.35.019 ГОСТ 7796-70	2	Bolt
	37	70-3507132-Б	1	Axle
	38	70-3507041	1	Draft
	39	70-3507060-03	1	Lever
	40	70-3507070	1	Bracket
	41	M12-6gx200.58.019 ГОСТ 7795-70	2	Bolt
	42	77.38.163	3	Spring
	43	22,225-100 ГОСТ 3722-81	3	Ball

* Upon an order

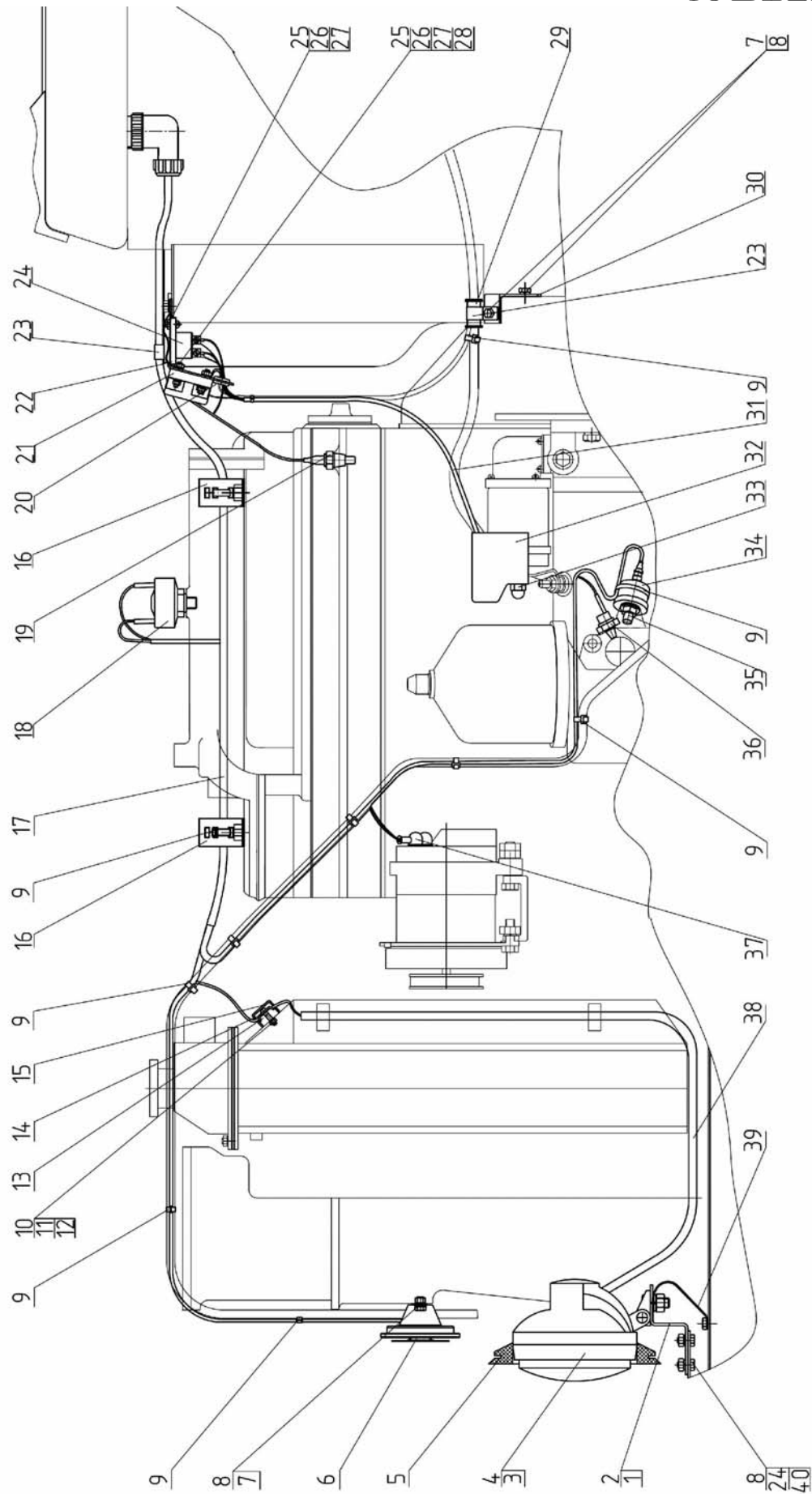


Fig.65. Engine electrical equipment

Group 37. Electrical equipmet
Subgroup 3700. Engine electrical equipment

Fig No	Item No	Denomination	Quantity	Designation
65	1	80-3711013-02	1	Bracket
	2	80-3711013-03	1	Bracket
	3	3711.55	1	Head light 8703.302/1-01
	4	3711.65	1	Head light 8703.302/01-01
	5	50-3711014	2	Gland
	6	3721.10	1	Horn
	7	8T OCT 37.001.115-75	7	Bushing
	8	M8-6gx16.88.35.019 ГОСТ 7796-70	7	Bolt
	9	80-3723045	11	Collar
	10	B.M5-6gx16.58.019 ГОСТ 17473-80	4	Screw
	11	M5-6H.6.019 ГОСТ 5927-70	4	Nut
	12	5T OCT 37.001.115-75	4	Bushing
	13	3723.15	2	Double-contact backplane
	14	80-3723056	4	Strip
	15	70-3723036-01	2	Cover
	16	80-3723037	2	Bracket
	17	510-3724070	1	Braid
	18	3845.10	1	Detector of pollution of air cleaner
	19	3828.10	1	Detector of tempreture indicator
	20	70-3723042-01	1	Bushing
	21	3722.40	1	Fuse block БП-11
	22	80-3747010	1	Bracket
	23	70-1115012-03	2	Duckle
	24	3747.075	1	Relay 73.3747
	25	B.M6-6gx16.58.019 ГОСТ 17473-80	3	Screw
	26	M6-6H.6.019 ГОСТ 5915-70	2	Nut
	27	6T OCT 37.001.115-75	3	Bushing
	28	C6.01.019 ГОСТ 11371-78	2	Bushing
	29	70-3506027	1	Bushing
	30	70-4802060	1	Bracket with nut
	31	510-3724040	1	Braid
	32	15.421.241	1	Case
	33	15.421.224	1	Figured nut
	34	3829.10	1	Detector of oil pressure in engine
	35	80-3829002	1	Bean
	36	3829.15	1	Detector of emergency oil pressure
	37	M2-14.13.238	2	Case
	38	80-3724025-B	2	Braid
	39	80-3724016	2	Wire
	40	M8-6H.6.019 ГОСТ 5915-70	4	Nut

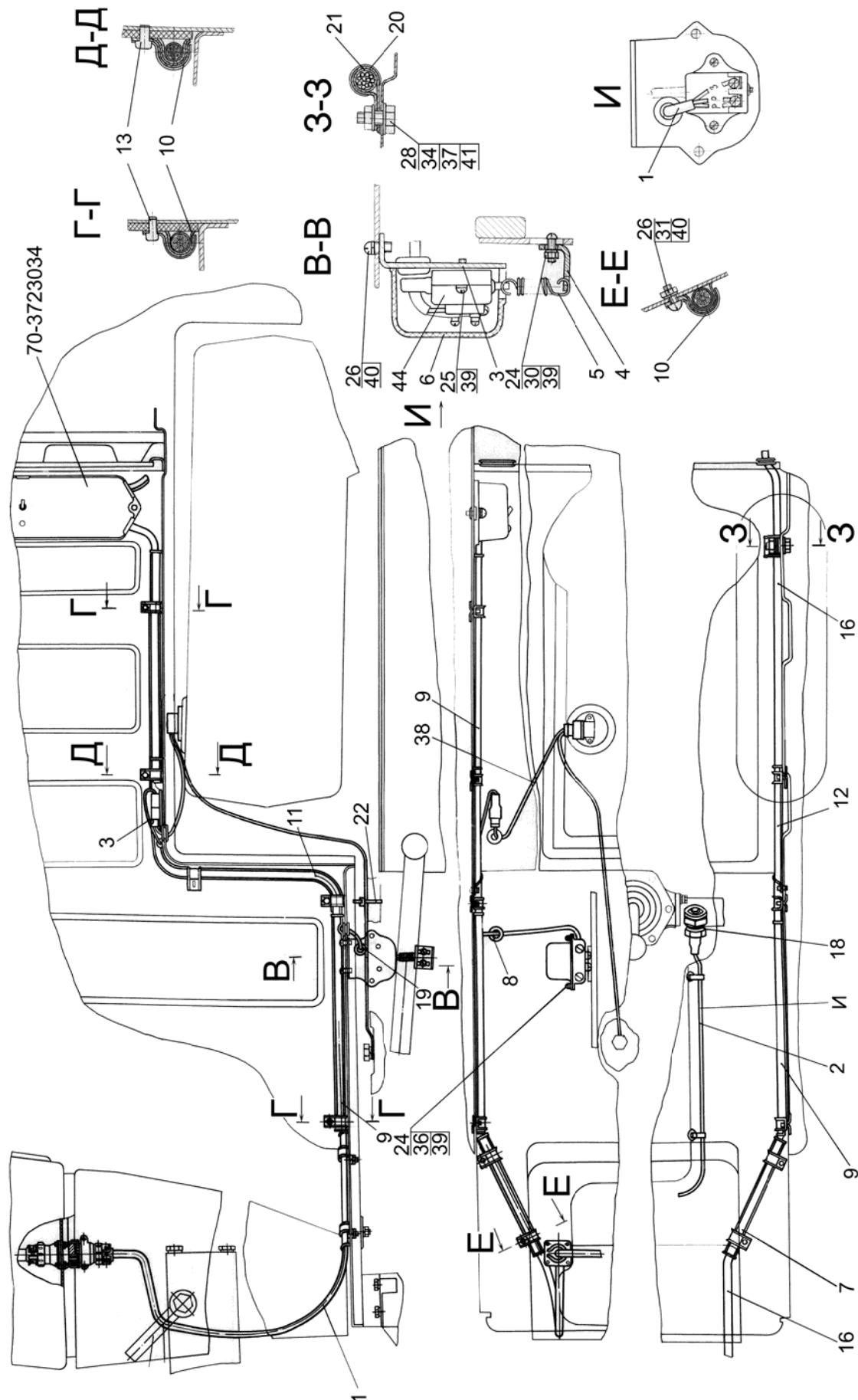


Fig.66. Cabin electrical equipment

Group 37. Electrical equipment
Subgroup 3700. Cabin electrical equipment

Fig No	Item No	Denomination	Quantity	Designation
66	1	70-3724101-B-01	1	Braid
	3	70-3710022	1	Bracket
	4	70-3710024	1	Bracket
	5	70-3710027	1	Spring
	6	70-3710029	1	Case
	7	70-3723025-01	3	Chute
	8	70-3723025-02	1	Chute
	9	70-3723025-01	3	Chute
	10	70-3723027	15	Bracket
	11	70-3723028	1	Chute
	12	70-3723029	1	Chute
	13	70-3723033	11	Bracket
	16	70-3724041-A1-01	1	Wire
	19	36-3723024-Б	2	Bushing
	22	80-3723045-01	1	Collar
	24	B.M4-6gx12.58.019 ГОСТ 17473-80	4	Screw
	25	B.M4-6gx16.58.019 ГОСТ 17473-80	2	Screw
	26	B.M5-6gx12.58.019 ГОСТ 17473-80	6	Screw
	30	M4-6H.6.019 ГОСТ 5927-70	2	Nut
	31	M5-6H.6.019 ГОСТ 5927-70	4	Nut
	35	80-3724015-Г	1	Braid
	36	4 OCT 37.001.115-75	2	Bushing
	38	70-3724135	1	Braid
	39	C 4.01.019 ГОСТ 11371-78	6	Bushing
	40	C 5.01.019 ГОСТ 11371-78	6	Bushing
	42	4-16 ГОСТ 19323-73	1	Cap
	44	BK 854-Б-Т	1	Switch

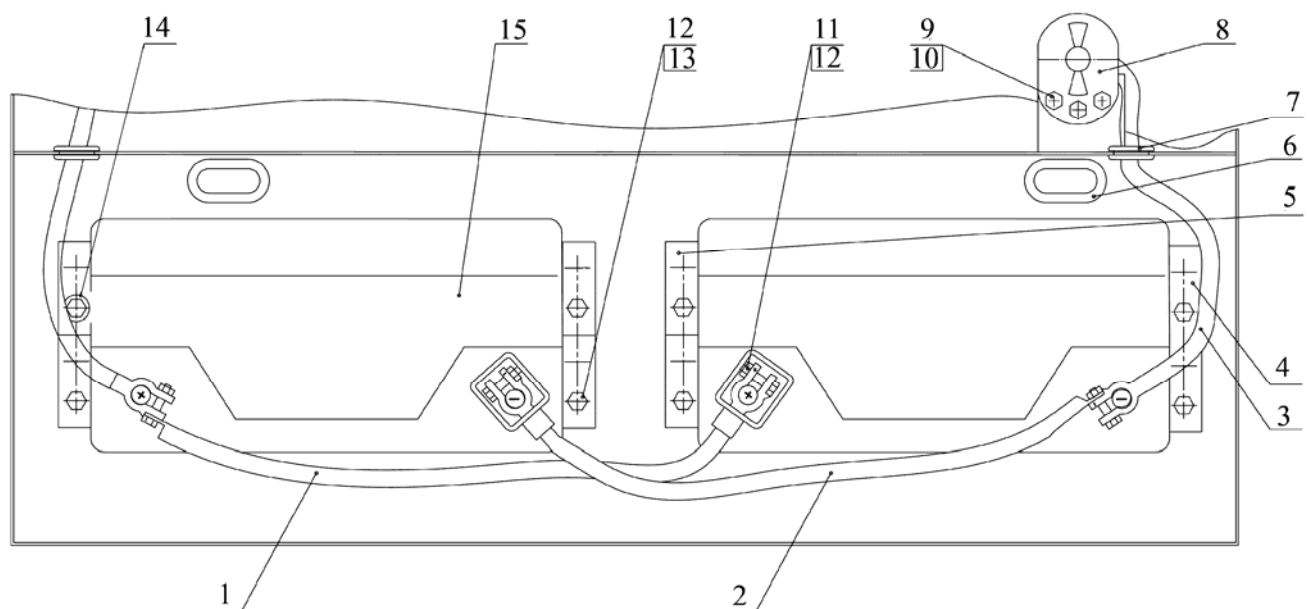


Fig.67. Accumulator battery installation

Group 37. Electric equipment
Subgroup 3703. Accumulator battery installation

Fig No	Item No	Denomination	Quantity	Designation
67		70-3700080	1	Electric equipment
	1	80-3724038-01	1	Wire
	2	80-3724039-01	1	Wire
	3	80-3724043-A	1	Wire
	4	80B-3703020-01	2	Pressing
	5	80B-3703020-02	2	Pressing
	6	B50-3801048	2	Bushing
	7	70-3723042-01	1	Bushing
	8	3710.115	1	Switch of mass BK 318Б-O
	9	M6-6gx16.88.35.019 ГОСТ 7798-70	3	Bolt
	10	C 6.01.019 ГОСТ 11371-78	3	Bushing
	11	M8-6gx30.88.35.019 ГОСТ 7796-70	4	Bolt
	12	M8-6H.6.019 ГОСТ 5915-70	12	Nut
	13	C 8.01.019 ГОСТ 11371-78	8	Bushing
	14	10 OT OCT 37.001.115-75	8	Bushing
	15	3703.16	2	Accumulator battery 12/88

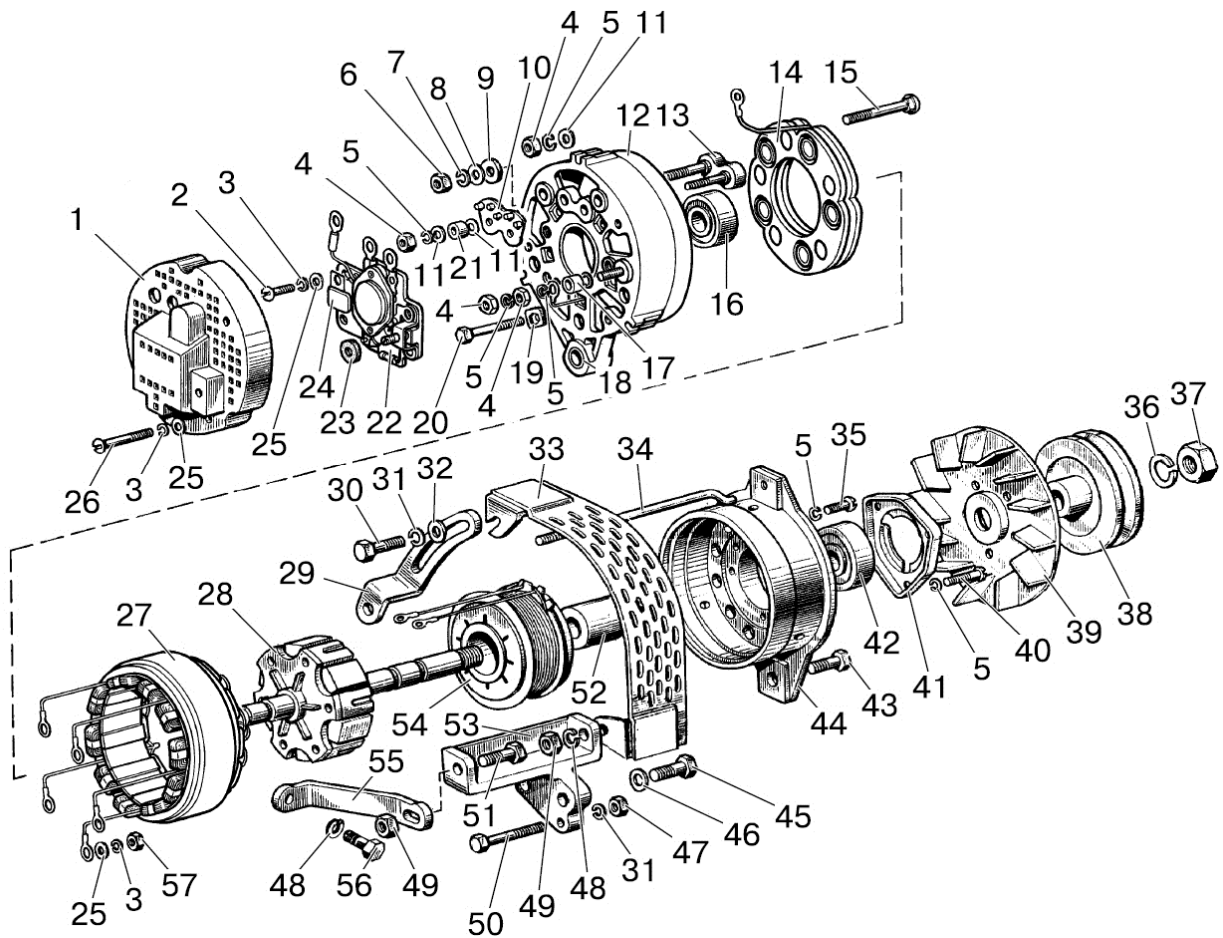


Fig.68. Generator

Group 37. Electric equipment Subgroup 3701. Generator

Fig No	Item No	Denomination	Quantity	Designation
68		Г964.3701-1	1	Generator (1-28, 34-44, 52, 54, 57)
	1	ИЖКС 725325.002-03	1	Cover of adjusting department
	2	В.М4-6gx16.58.019 ГОСТ 17473-80	3	Screw
	3	4 OCT 37.001.115-75	9	Bushing
	4	М5-6Н.6.019 ГОСТ 5915-70	7	Nut
	5	5Т OCT 37.001.115-75	12	Bushing
	6	М6-6Н.6.019 ГОСТ 5915-70	3	Nut
	7	6Т OCT 37.001.115-75	3	Bushing
	8	ИЖКС 758491.032	2	Bushing
	9	ИЖКС 754152.003	1	Insulating bushing
	10	ИЖКС 757542.004	1	Insulator
	11	С 5.01.019 ГОСТ 11371-78	7	Bushing
	12	ИЖКС 301261.037	1	Rear cover
	13	ИЖКС 685158.002	1	Treminal board
	14	ИЖКС 435214.002	1	Rectifier
	15	ИЖКС 758165.001	1	Bolt М6
	16	6-180502К1С9	1	Ball bearing
	17	ИЖКС 713141.044	1	Distance bushing
	18	ИЖКС 711143.007	1	Slotted bushing
	19	ИЖКС 757513.004	6	Phase insulator
	20	ИЖКС 758121.001	3	Bolt М4x25
	21	ИЖКС 713141.041	1	Distance bushing
	22	СТ14	1	Adjusting device
	23	ИЖКС 754152.004	1	Insulating bushing
	24	К73-21В	1	Condenser
	25	С 4.01.019 ГОСТ 11371-78	9	Bushing
	26	ИЖКС 758161.002	3	Screw BM4x28
	27	ИЖКС 684214.005	1	Stator
	28	ИЖКС 684241.006-02	1	Rotor
	29	240-3701063-02	1	Strip
	30	М8-6gx20.88.35.019 ГОСТ 7796-70	1	Bolt
	31	С 8.01.019 ГОСТ 11371-78	2	Bushing
	32	50-1002073	1	Stop bushing
	33	240-3701060-Б	1	Dashboard
	34	ИЖКС 758191.001	3	Coupling bolt
	35	ИЖКС 758151.003	3	Screw BM5x14,5
	36	16 OT OCT 37.001.115-75	1	Bushing
	37	М16x1,5-6Н.6.019 ГОСТ 5915-70	1	Nut
	38	ИЖКС 712645.001	1	Pulley
	39	ИЖКС 723526.001	1	Fan
	40	ИЖКС 758151.003-01	3	Screw BM5x26
	41	ИЖКС 725117.001	1	Bearing cover
	42	6-180603КС9	1	Ball bearing
	43	М10-6gx30.88.35.019 ГОСТ 7796-70	1	Bolt
	44	ИЖКС 301261.035	1	Front cover
	45	М12-6gx35.88.35.019 ГОСТ 7796-70	2	Bolt
	46	245-3701069	2	Bushing
	47	М8-6Н.6.019 ГОСТ 5915-70	1	Nut
	48	С 10.01.019 ГОСТ 11371-78	2	Bushing
	49	М10-6Н.6.019 ГОСТ 5915-70	3	Nut
	50	М8-6gx100.88.35.019 ГОСТ 7795-70	1	Bolt
	51	М10-6gx55.88.35.019 ГОСТ 7795-70	1	Bolt
	52	ИЖКС 713141.039	1	Rotor bushing
	53	240-3701056-Б	1	Generator bracket
	54	ИЖКС 685442.035	1	Actuating coil
	55	240-3701068-Б	1	Brace
	56	М10-6gx20.88.35.019 ГОСТ 7796-70	1	Bolt
	57	М4-6Н.6.019 ГОСТ 5927-70	3	Nut

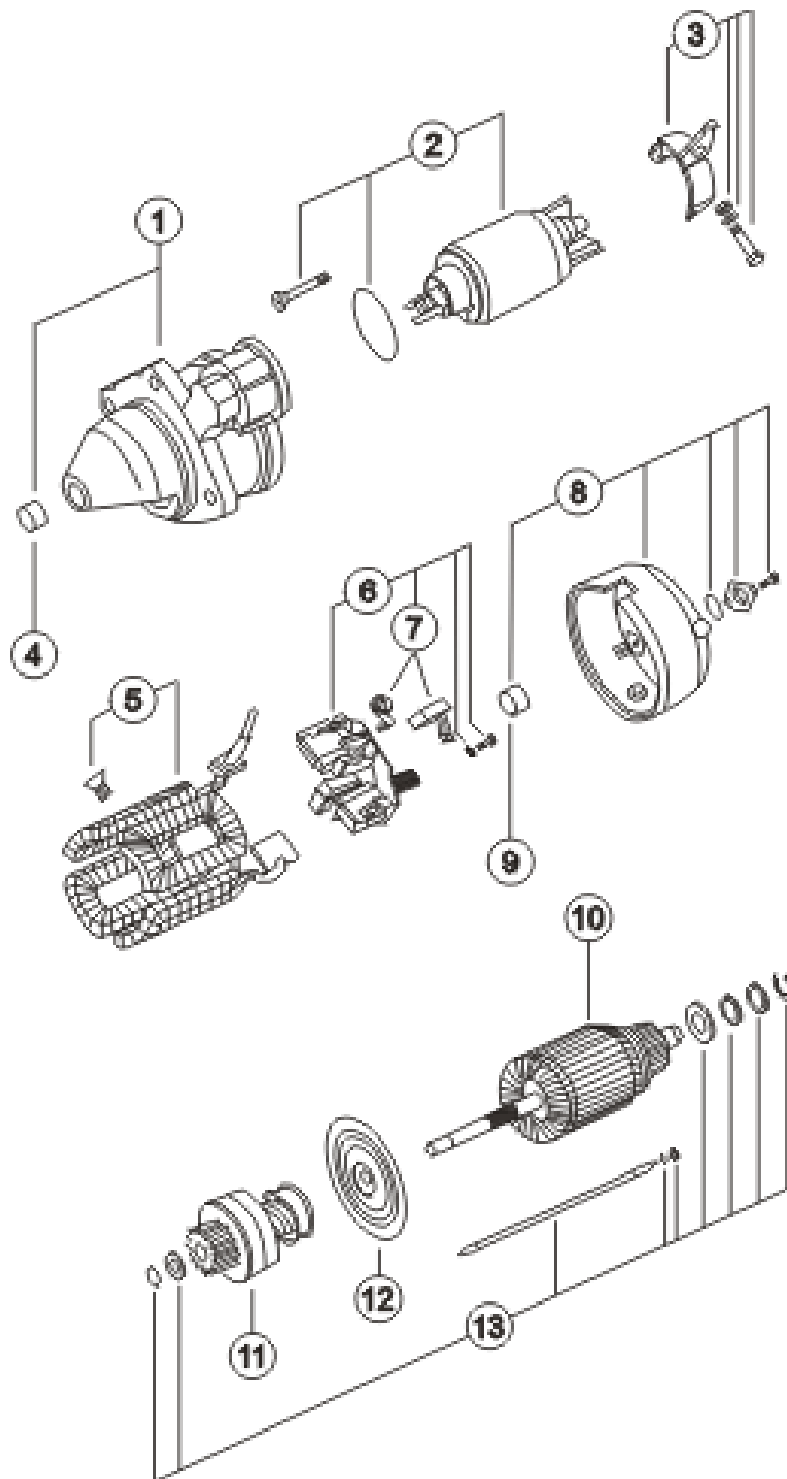


Fig.69. Starter

Group 37. Electrical equipment
Subgroup 3708. Starter

Fig No	Item No	Assembly unit or part No	Quantity	Designation
69		AZJ 3124	1	Starter 12B
	1	16.281.793	1	Front cover
	2	16.670.154-01	1	Assembled relay
		16.670.262	1	Relay
		16.150.007	1	Core
		15.200.058	1	Spring
		707.002.275	1	Ring
		16.300.126	3	Screw
	3	16.901.700	1	Lever
		15.300.191	1	Screw
	4	15.120.243	1	Bushing piston
	5	16.901.700	1	Coil
		15.300.191	4	Screw
	6	16.903.908	1	Brush holder
	7	16.770.083	4	Brush
		15.200.243	4	Spring
	8	16.283.449	1	Rear cover
		15.120.155	1	Bushing
		15.400.249	1	Insert
		15.900.140	1	Cover
		15.400.056	1	Ring
		15.300.710	2	Screw
	9	15.120.155	1	Bushing piston
	10	16.360.402	1	Rotor
	11	16.903.550	1	Bendix
	12	16.281.299	1	Average cover
		15.120.154	1	Bushing
	13	15.200.007	1	Ring
		15.300.042	1	Ring
		15.300.057	2	Stud
		D 6	1	Bushing
		M 6	1	Nut
		15.401.009	1	Bushing
		15.300.027	1	Bushing
		15.300.028	2	Bushing
		15.900.204	1	Bushing

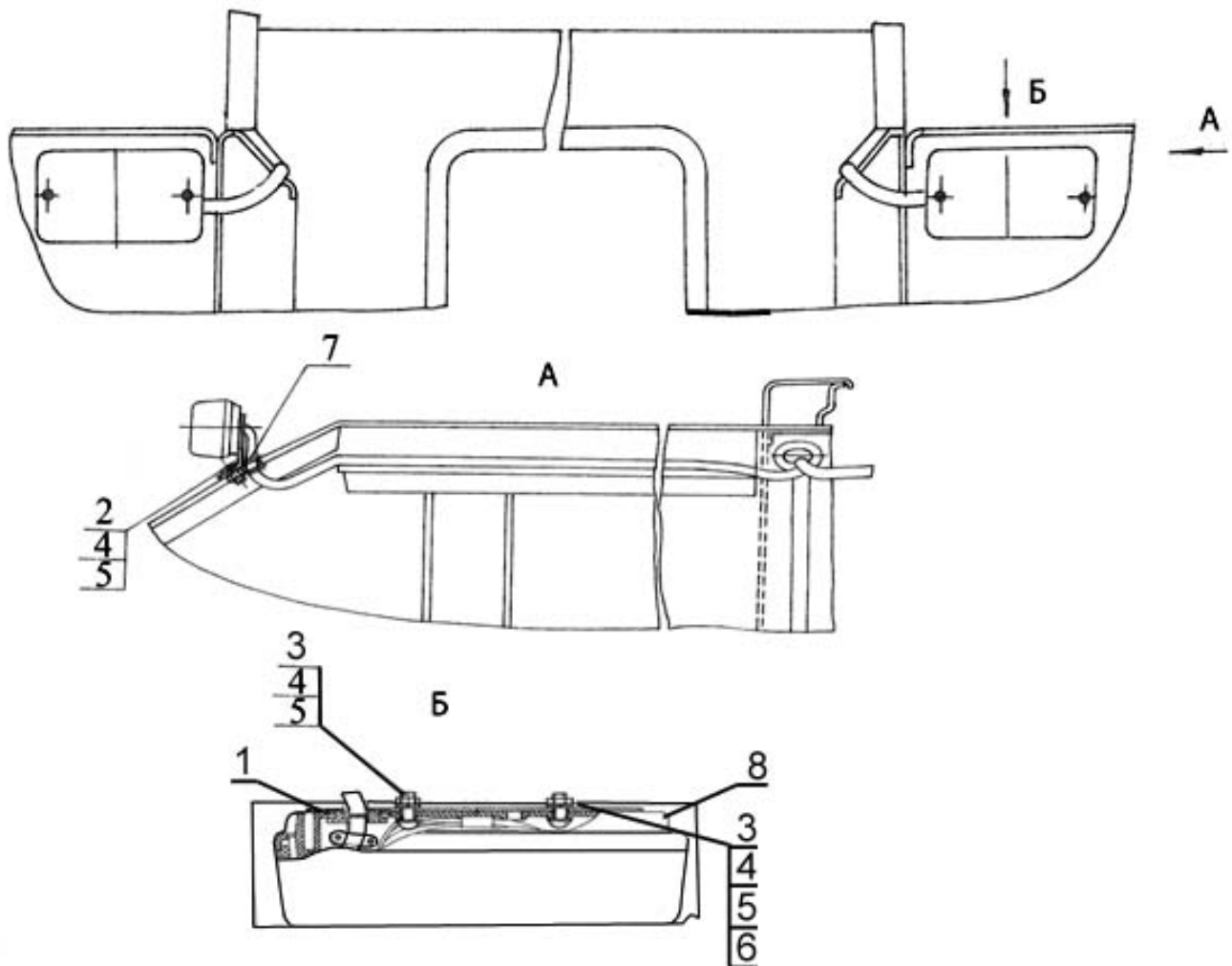


Fig.70. Front lamps installation

Group 37. Electric equipment
Subgroup 3712. Front lamps installation

Fig No	Item No	Denomination	Quantity	Designation
70	1	70-3712054	2	Bracket
	2	M6-6gx14.88.35.019 ГОСТ 7798-70	4	Bolt
	3	B.M6-6gx16.58.019 ГОСТ 17473-80	4	Screw
	4	M6-6H.6.019 ГОСТ 5915-70	8	Nut
	5	C 6.01.019 ГОСТ 11371-78	8	Bushing
	6	6T OCT 37.001.115-75	2	Bushing
	7	70-3723042-01	6	Bushing
	8	3712.45	2	Front lamp

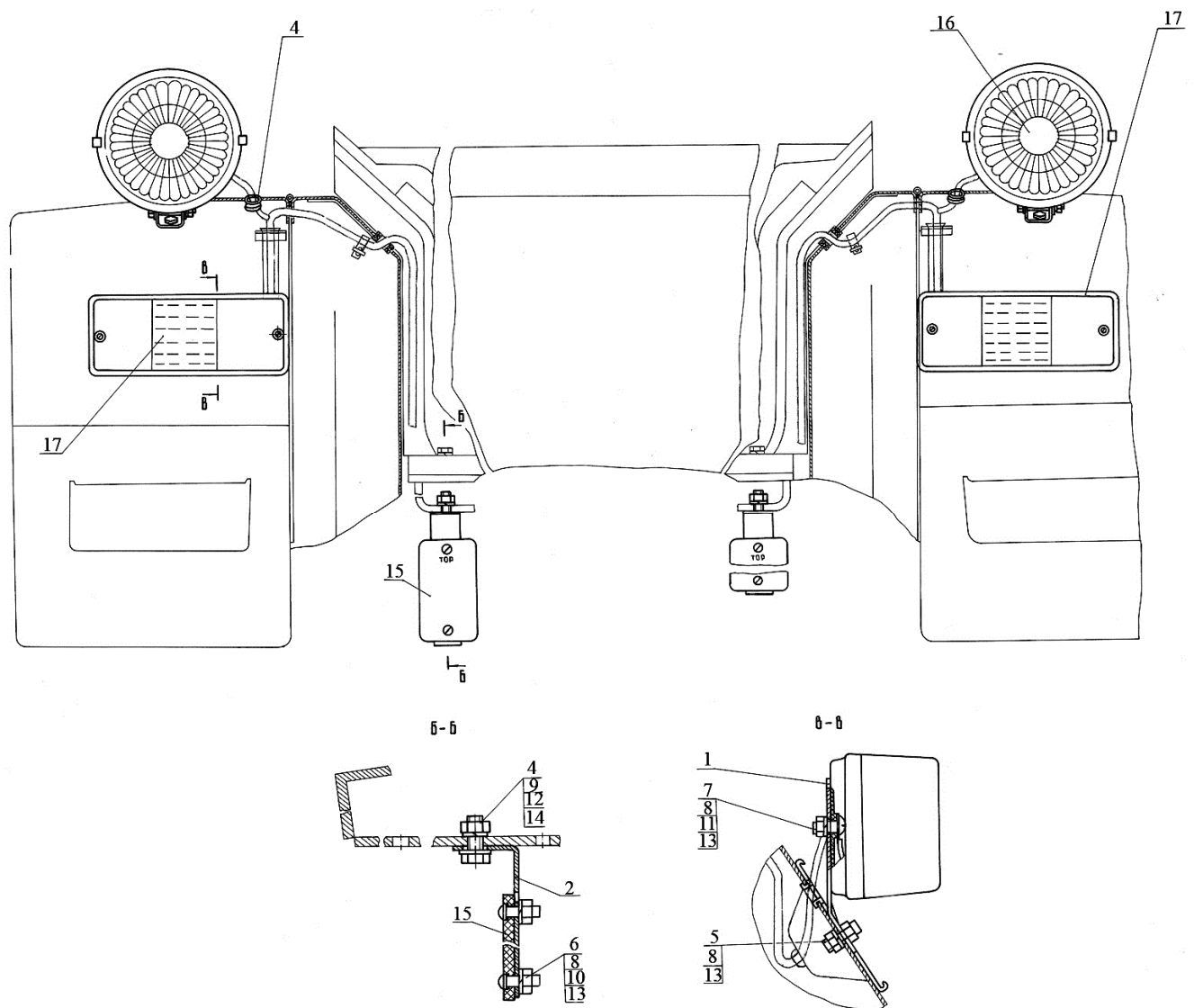


Fig.71. Installation of service headlights and rear lamps

Group 37. Electric equipment
Subgroup 3712. Installation of service headlights and rear lamps

Fig No	Item No	Denomination	Quantity	Designation
71	1	70-3712054	2	Bracket
	2	Φ50-3731011	2	Bracket
	3	70-3723042-01	4	Bushing
	4	M10-6gx16.88.35.019 ГОСТ 7796-70	2	Bolt
	5	M6-6gx14.88.35.019 ГОСТ 7798-70	8	Bolt
	6	B.M6-6gx18.58.019 ГОСТ 17473-80	4	Screw
	7	B.M6-6gx16.58.019 ГОСТ 17473-80	8	Screw
	8	M6-6H.6.019 ГОСТ 5915-70	12	Nut
	9	M10-6gx16.88.35.019 ГОСТ 7796-70	2	Nut
	10	6T OCT 37.001.115-75	4	Bushing
	11	6T OCT 37.001.115-75	2	Bushing
	12	10 OT OCT 37.001.115-75	2	Bushing
	13	C 6.01.019 ГОСТ 11371-78	12	Bushing
	14	C 10.01.019 ГОСТ 11371-78	2	Bushing
	15	3731.15	2	Cat's eye
	16	3711.140	2	Service headlight 8724.31/2021
	17	3716.85	2	Rear lamp

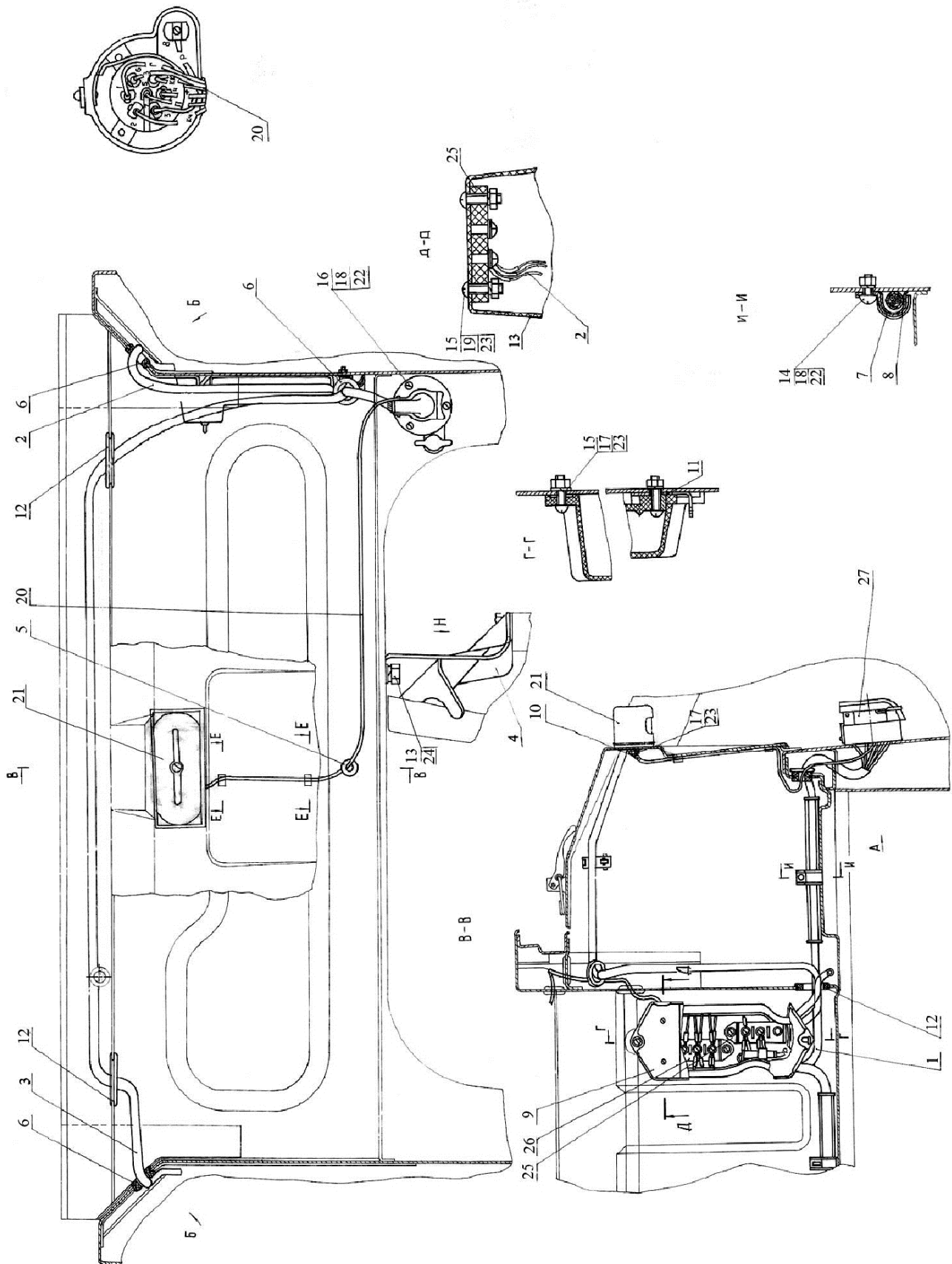


Fig.72. Installation of socket and number plate lights

Group 37. Electric equipment
Subgroup 3717. Installation of socket and number plate lights

Fig No	Item No	Denomination	Quantity	Designation
72	1	70-3724110-Б	1	Braid
	2	70-3724120-Б3	1	Braid
	3	70-3724130-Б3	1	Braid
	4	80-3724112-01	1	Bridge
	5	36-3723024-Б	1	Bushing
	6	50-3723025	3	Protective bushing
	7	70-3723025	1	Chute
	8	70-3723027	1	Bracket
	9	70-3723034	1	Panel cover
	10	70-3723035	1	Cap
	11	80-3723043	2	Bracket
	12	B50-3801048	2	Bushing
	13	M12-6gx25.88.35.019 ГОСТ 7796-70	1	Bolt
	14	B.M5-6gx12.58.019 ГОСТ 17473-80	1	Screw
	15	B.M6-6gx20.58.019 ГОСТ 17473-80	4	Screw
	16	B.M5-6gx35.58.019 ГОСТ 17475-80	3	Screw
	17	M6-6H.6.019 ГОСТ 5915-70	4	Nut
	18	M5-6H.6.019 ГОСТ 5927-70	4	Nut
	19	M6-6H.6.019 ГОСТ 5915-70	2	Nut
	20	70-3724028-Б	1	Wire
	21	3717.10	1	Number plate light
	22	C 5.01.019 ГОСТ 11371-78	4	Bushing
	23	C 6.01.019 ГОСТ 11371-78	6	Bushing
	24	C 12.01.019 ГОСТ 11371-78	1	Bushing
	25	3723.15	2	Adjusting panel of double-contact
	26	3723.20	1	Adjusting panel three-contact
	27	3723.10	1	Trailer socket

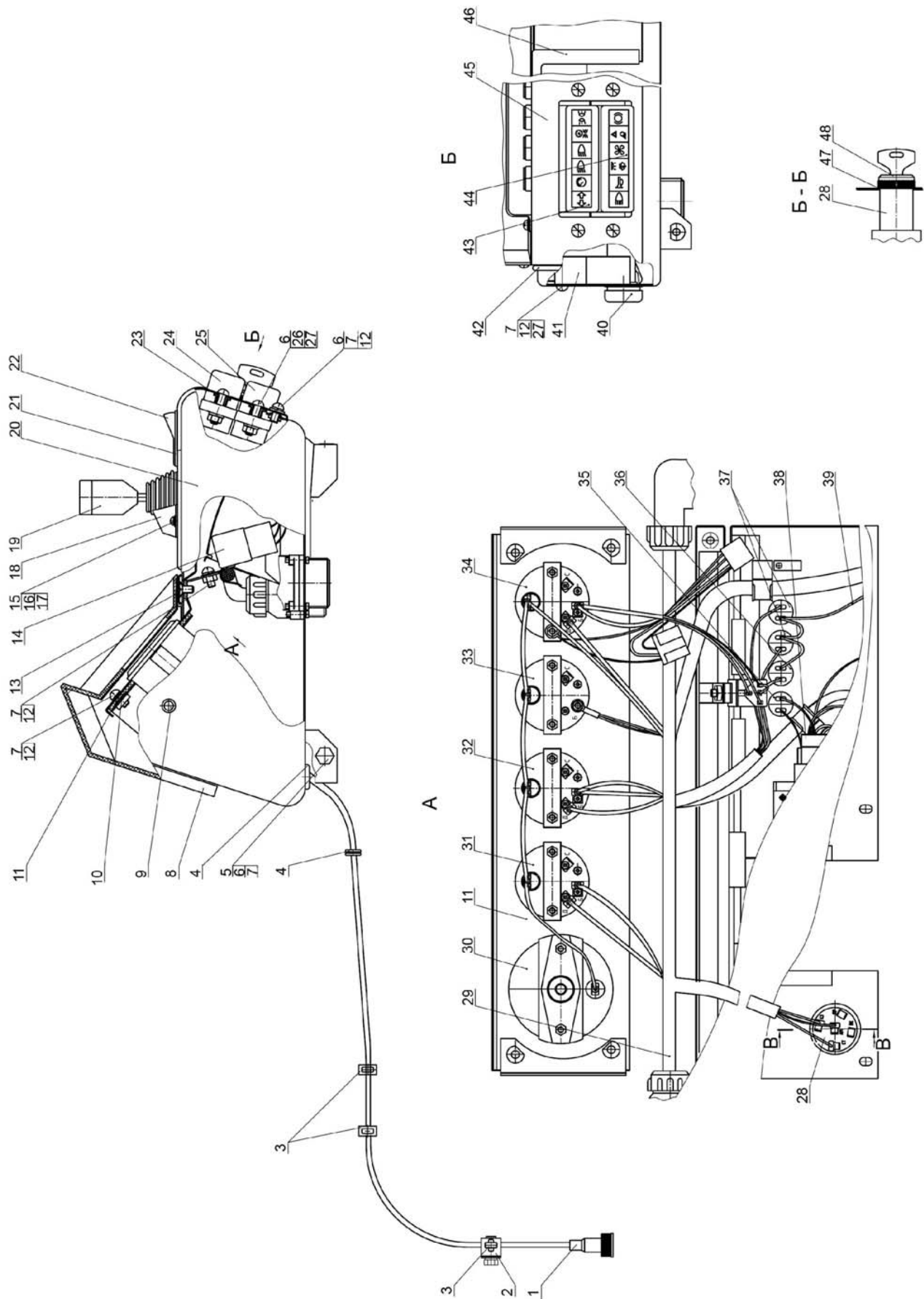


Fig.73. Dashboard

Group 38. Instruments
Subgroup 3801, 3805. Dashboard

Fig No	Item No	Denomination	Quantity	Designation
73	1	ГБ20В-01-Т ГОСТ 12391-77	1	Flexible shaft
	2	80-3801092-Б	1	Bracket
	3	70-3801029	3	Clip
	4	70-3723042-01	2	Bushing
	5	М6-6gx25.88.35.019 ГОСТ 7798-70	2	Bolt
	6	С 6.01.019 ГОСТ 11371-78	2	Bushing
	7	6Т ОСТ 37.001.115-75	11	Bushing
	8	80-3801025	1	Housing
	9	В.М6-6gx12.58.019 ГОСТ 17474-80	2	Screw
	10	70-3801022	2	Gasket
	11	70-3801011-Б	1	Dashboard base
	12	В.М6-6gx12.58.019 ГОСТ 17473-80	9	Screw
	13	В.М6-6gx12.58.019 ГОСТ 17475-80	2	Screw
	14	3747.40	1	Relay for disconnection
	15	В.М4-6gx12.58.019 ГОСТ 17473-80	4	Screw
	16	С 4.01.019 ГОСТ 11371-78	2	Bushing
	17	4 ОСТ 37.001.115-75	11	Bushing
	18	70-3801018	1	Collar
	19	3709.10	1	Combined switched
	20	70-3801040	1	Dashboard base
	21	80-3801021	1	Socket of switch
	22	3709.20	1	Switch of light
	23	800-1205107	4	Bushing
	24	3722.10	1	Safety block
	25	3722.15	1	Safety block
	26	В.М6-6gx25.58.019 ГОСТ 17473-80	4	Screw
	27	М6-6Н.6.019 ГОСТ 5915-70	5	Nut
	28	3710.45	1	Switch of starter
	29	70-3724095	1	Braid
	30	ТХ114-Т ОСТ 37.003.055-82	1	Tachospeedometer
	31	3810.10	1	Indicator of oil pressure
	32	3806.10	1	Indicator of fuel level
	33	3812.10	1	Indicator of pressure
	34	3807.10	1	Indicator of water temperature
	35	3803.117	1	Light of control lamp 122.3803010
	36	3803.107	1	Light of control lamp 121.3803010
	37	3803.095	2	Light of control lamp 12.3803010
	38	70-3724105-Б	1	Braid
	39	70-3724049-Б	1	Braid
	40	3710.10	1	Switch of emergency signaling
	41	3747.10	1	Interrupter of indicators of turn
	42	ППР 25	2	Polyvinylchloride profile
	43	70-3801032	1	Plate
	44	70-3801038	1	Plate
	45	70-3801060-Б	1	Dashboard
	46	70-3801216	1	Fringe opening
	47	220-3805019	1	Bushing
	48	80-3805014	1	Nut

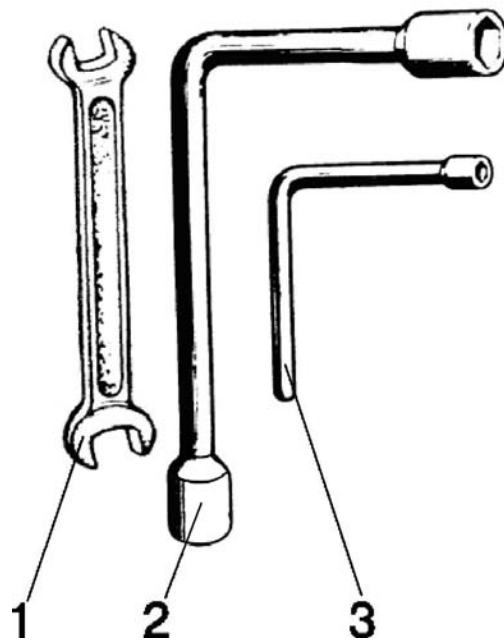


Fig.74. Operator's tools

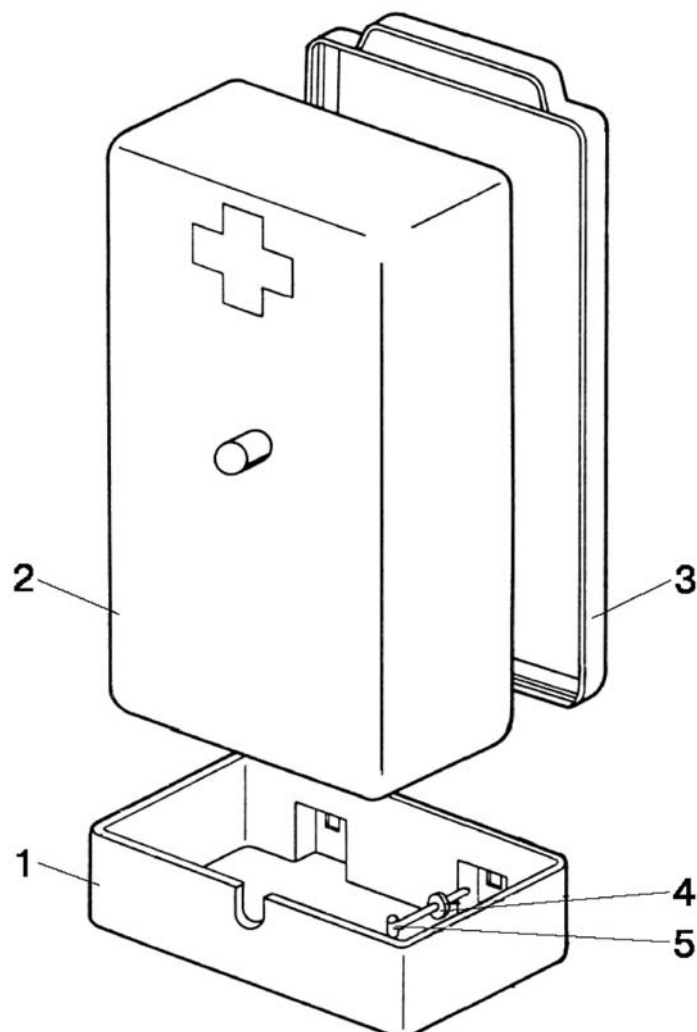


Fig.75. First-aid kit

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

Fig No	Item No	Denomination	Quantity	Designation
74			1	Set of tools and accessories of diesel engine D-243
	1	70-3901038	1	Key 41x46
	2	70-3901027	1	Socket key S=27x37
	3	50-3901026	1	Socket key S=12

Group 39. Tools and accessories
Subgroup 3912. First-aid kit

Fig No	Item No	Denomination	Quantity	Designation
75	1	70-3912153-A	1	Bracket
	2	70-3912152	1	Housing
	3	70-3912151	1	Cover
	4	C 6.01.019 ГОСТ 11371-78	3	Bushing
	5	70-3723033	3	Bracket

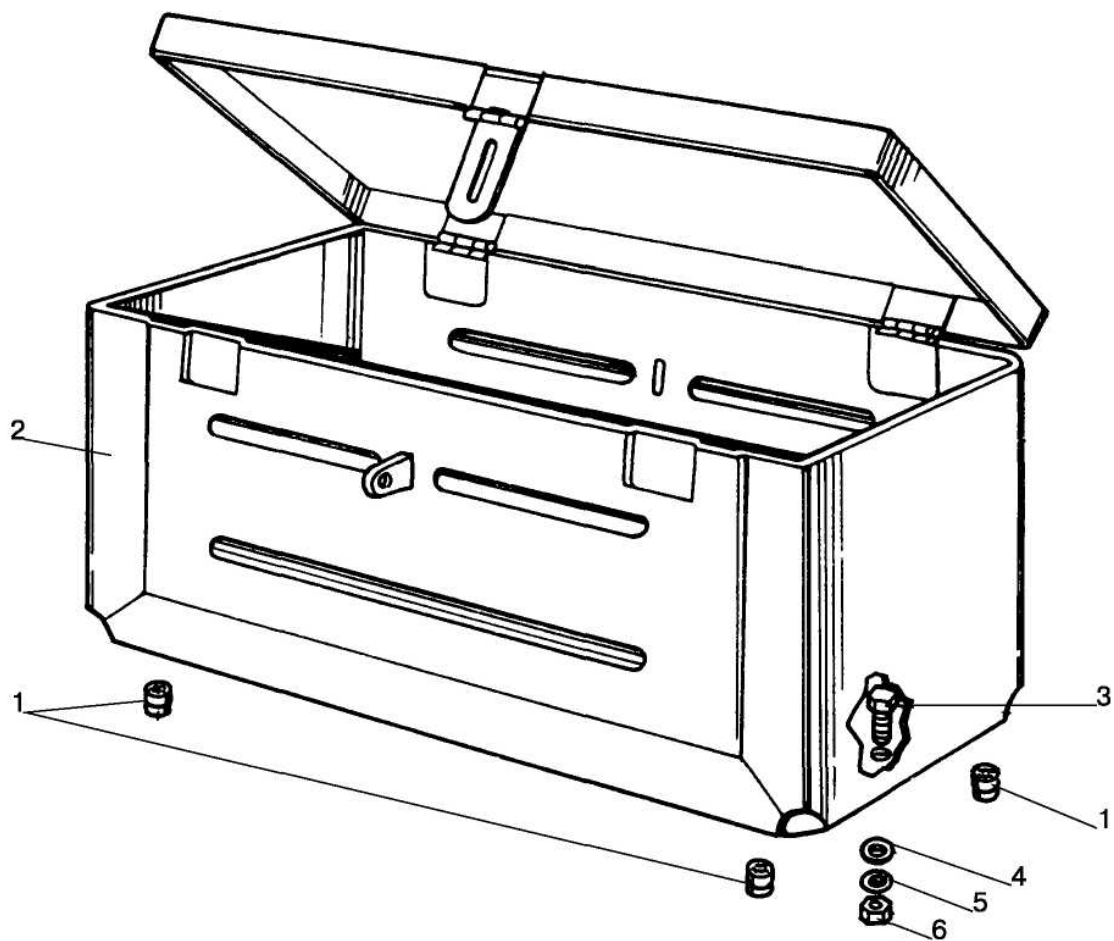


Fig.76. Tool box

Group 39. Tools and accessories**Subgroup 3919. Tool box**

Fig No	Item No	Assembly unit or part number	Quantity	Designation
76	1	50-8400018	4	Buffer
	2	70-3919110	1	Box
	3		2	Bolt M8-6gx16.88.35.019 ГОСТ 7796-70
	4		2	Bushing C 8.01.019 ГОСТ 6958-78
	5		2	Bushing 8T OCT 37.001.115-75
	6		2	Nut M8-6H.6.019 ГОСТ 5915-70

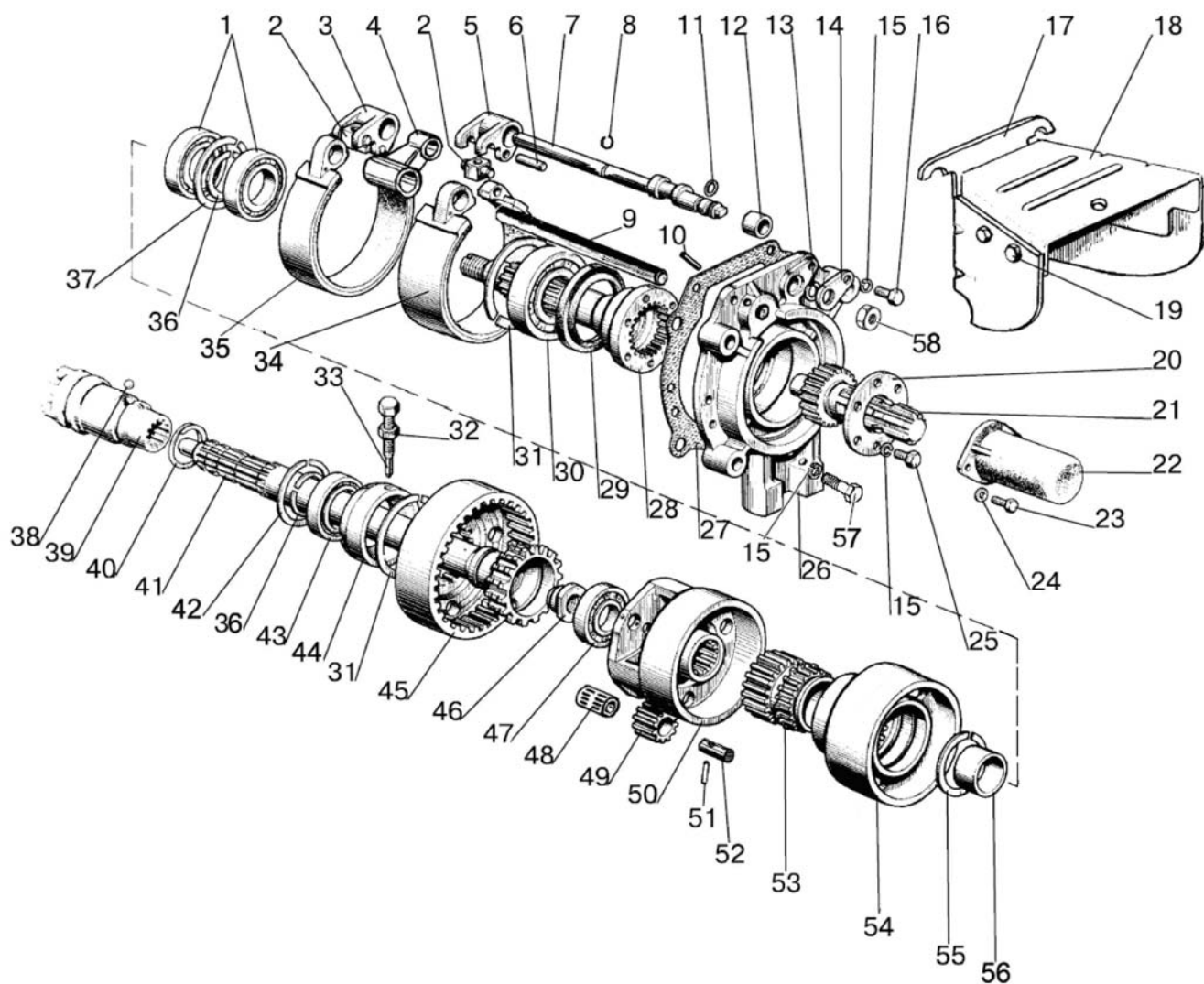


Fig.77. Rear power take off shaft

Group 42. Power take off
Subgroup 4202. Rear power take off shaft

Fig No	Item No	Denomination	Quantity	Designation
77		85-4202010	1	Power take off
		85-4202020	1	Cover (1-16,20,21,25-31,34-37,46-56)
		70-4202030-A	1	Crown gear (36, 38-45)
	1	209A ГОСТ 8338-75	2	Piston
	2	50-4202078	2	Pin
	3	50-4202074	1	Lever
	4	50-4202058	1	Bracket
	5	85-4202074	1	Lever
	6	ШЦК 8x36	2	Pin
	7	80-4202076	1	Shaft
	8	54.38.619	1	Ring
	9	70-4202072-Б	1	Axle
	10	A.8x20.65Г Chemical.Phosphate.Oil impregnatedГОСТ 14229-93	1	Pin
	11	014-018-25-2-2 ГОСТ 18829-73/9833-73	1	Ring
	12	80-4202082	1	Bushing
	13	C18 ГОСТ 13940-86	1	Ring
	14	85-4202079	1	Plate
	15	10 ОТ OCT 37.001.115-75	12	Bushing
	16	M10-6gx40.88.35.019 ГОСТ 7796-70	1	Bolt
	17	Φ70-4202095	1	Casing
	18	Φ70-4202092	1	Cover
	19	M8-6gx16.88.35.019 ГОСТ 7796-70	4	Bolt
		M8-6H.6.019 ГОСТ 5915-70	4	Nut
		8T OCT 37.001.115-75	4	Bushing
		C 8.01.019 ГОСТ 11371-78	4	Bushing
	20	80-4202081-A	1	Plate
	21	80-4202019-Б	1	Shank end (8 slots)
		80-4202019-Б-01	1	Shank end (6 slots) (upon the order)
		80-4202019-Б-02	1	Shank end (21 slots) (upon the order)
	22	50-4202065-A	1	Cap
	23	M8-6gx16.88.35.019 ГОСТ 7796-70	2	Bolt
	24	8T OCT 37.001.115-75	2	Bushing
	25	M10-6gx18.88.35.019 ГОСТ 7796-70	6	Bolt
	26	80-4202042-Б	1	Cover
	27	50-4202092A	1	Gasket
	28	80-4202017-Б	1	Shaft
	29	2.2-80x105-1 ГОСТ 8752-79/ OCT 3805146-78	1	Collar
	30	60310A ГОСТ 7242-81	1	Piston
	31	2C110 ГОСТ 13941-86	2	Ring
	32	M12x1,25-6H.6.019 ГОСТ 5915-70	1	Nut
	33	50-4202068	1	Set screw
	34	85-4202100-01 or	1	Band with lining 85-4202057 (ТИИР 430) or Band with lining 85-4202057-A7 (ITB 2842)
		85-4020100-02		
	35	85-4202100	1	Band with lining 85-4202056 (ТИИР 430)
	36	2C50 ГОСТ 13940-86	2	Ring
	37	2C85 ГОСТ 13941-86	1	Ring
	38	7,938-100 ГОСТ 3722-81	1	Ball
	39	50-4202046-Б	1	Shift collar
	40	A61.03.002	1	Ring

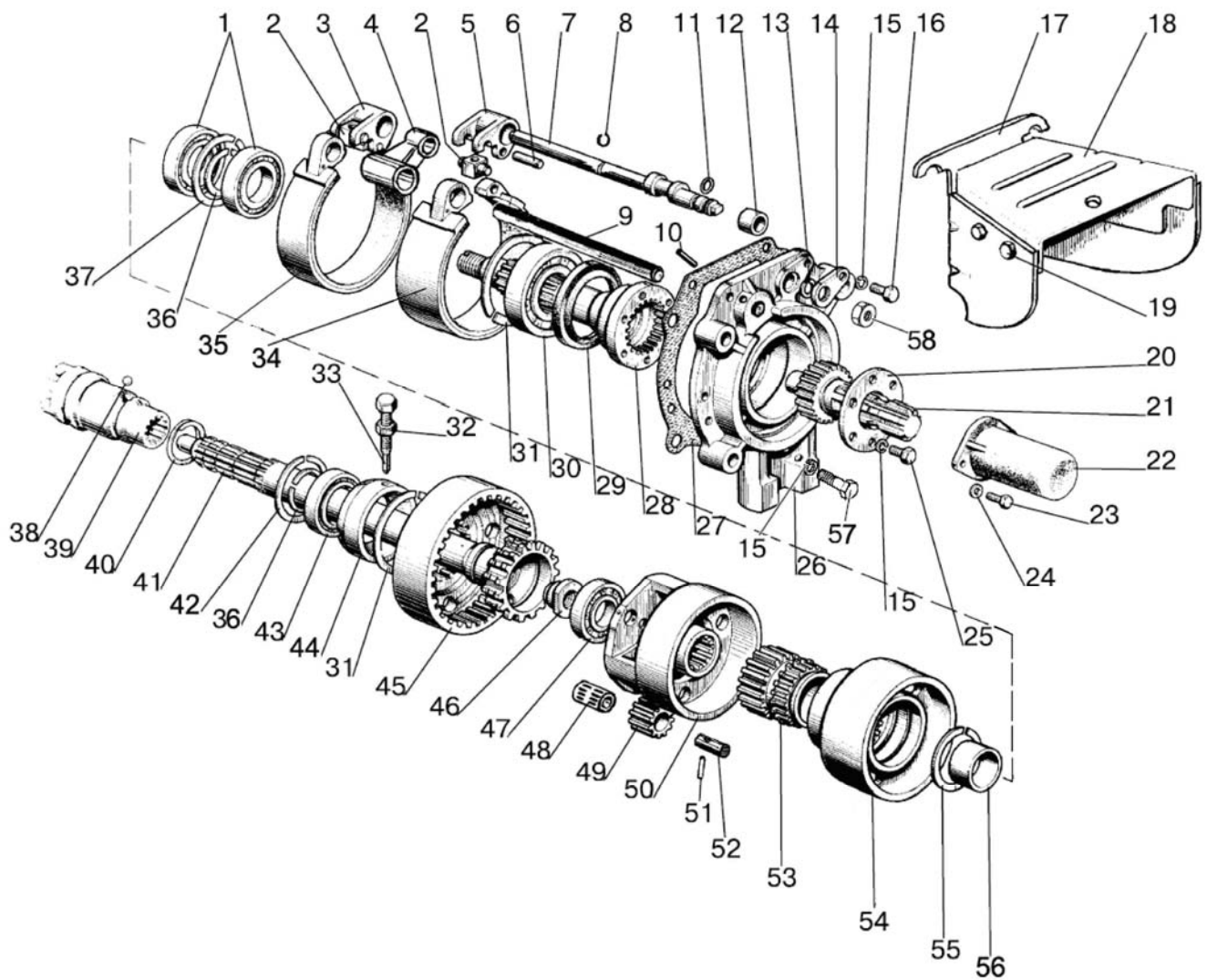


Fig.77. Rear power take off shaft

Group 42. Power take off
Subgroup 4202. Rear power take off shaft

Fig No	Item No	Denomination	Quantity	Designation
77	41	70-4202044-Б	1	Shaft
	42	2C90 ГОСТ 13941-86	1	Ring
	43	210 АУШ1 ГОСТ8338-75	1	Piston
	44	50-4702066-A	1	Glass
	45	70-4202043	1	Crown gear
	46	70-4202083-A	1	Nut
	47	208A ГОСТ 8338-75	1	Piston
	48	KK20x26x34E ГОСТ 24310-80	3	Piston
	49	70-4202024	3	Satellite
	40	85-4202065	1	Carrier
	51	70-4202431	3	Pin
	52	70-4202026	3	Satellite axle
	53	70-4202032	1	Sun gear
	54	85-4202033	1	Drum
	55	2C68 ГОСТ 13940-86	1	Ring
	56	70-4202077	1	Bushing
	57	M10-6gx35.88.35.019 ГОСТ 7796-70	5	Bolt
	58	M16x1,5-6H.6.019 ГОСТ 5915-70	4	Nut
	59	16 OT OCT 37.001.115-75	4	Bushing
	60	C 16.01.019 ГОСТ 6958-78	2	Bushing

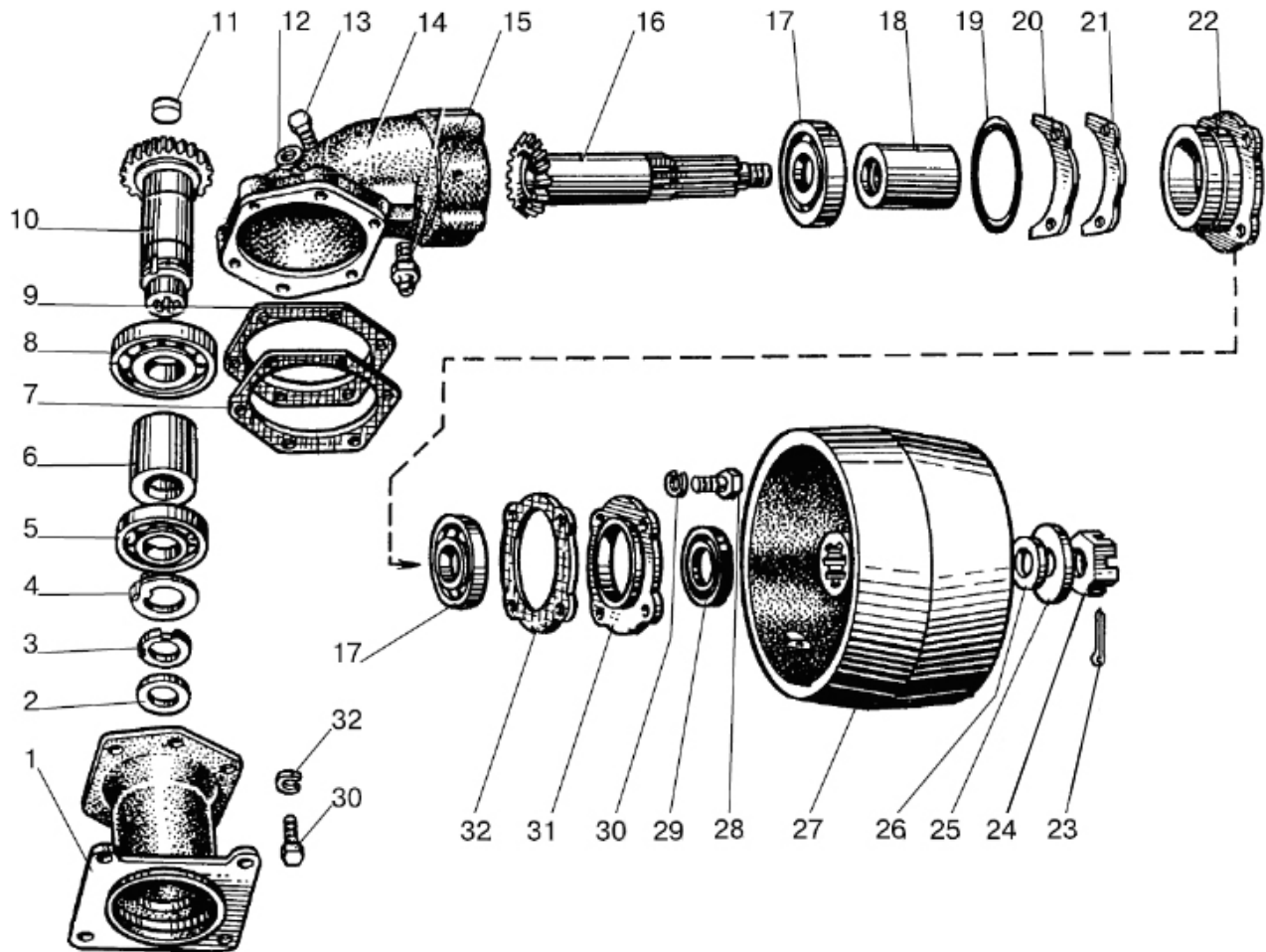


Fig.78. Drive pulley

Group 42. Power take off
Subgroup 4211. Drive pulley

Fig No	Item No	Denomination	Quantity	Designation
78		40-4211010-01	1	Drive pulley, installed on 8-splined shank end of PTO (1-34)
		40-4211035	1	Housing (12-22, 30-34)
		40-4211040	1	Drive shaft 8 splits (3-6, 8, 10, 11)
		40-4211050	1	Arm support 8 splines (1-6, 8, 10, 11)
		40-4211065	1	Shaft (16-13, 22)
	1	40-4211052	1	Hose
	2	КФА-50x70	1	Collar 50x70
	3	40-4211043	1	Nut
	4	36-1701061	1	Bushing
	5	211 АУШ1 ГОСТ8338-75	1	Piston
	6	40-4211047	1	Bushing
	7	40-4211079	1	Gasket
	8	311А ГОСТ 8338-75	1	Piston
	9	40-4211081	1	Gasket
	10	40-4211045	1	Shaft with 8-splitted slot
	11	40-4211082	1	Plug
	12	ПК КГ 3/8"	1	Plug
	13	ПК КГ 3/4"	2	Plug
	14	40-4211037	1	Casing
	15	СУ-1/8"-А	1	Breather
	16	40-4211071	1	Shaft-gear
	17	408 ГОСТ 8338-75	2	Piston
	18	40-4211072	1	Distance bushing
	19	120-125-30-1-4 ГОСТ 18829-73/9833-73	1	Ring
	20	36-4211054-Б	6	Lining (0,5 mm)
	21	36-4211055	8	Lining (0,2 mm)
	22	36-4211048	1	Glass
	23	4x36.019 ГОСТ 397-79	1	Split
	24	M20x1,5-6H.04.019 ГОСТ 15522-70	1	Nut
	25	40-3502084	1	Bushing
	26	40-3502083	1	Lining
	27	40-4211075	1	Assembled pulley
	28	M12-6gx40.88.35.019 ГОСТ 7796-70	6	Bolt
	29	2.2-65x90-1 ГОСТ 8752-79/OCT 38 05146-78	1	Collar
	30	12 ОТ OCT 37.001.115-75	10	Bushing
	31	36-4211073	1	Nest
	32	36-4211057	1	Lining

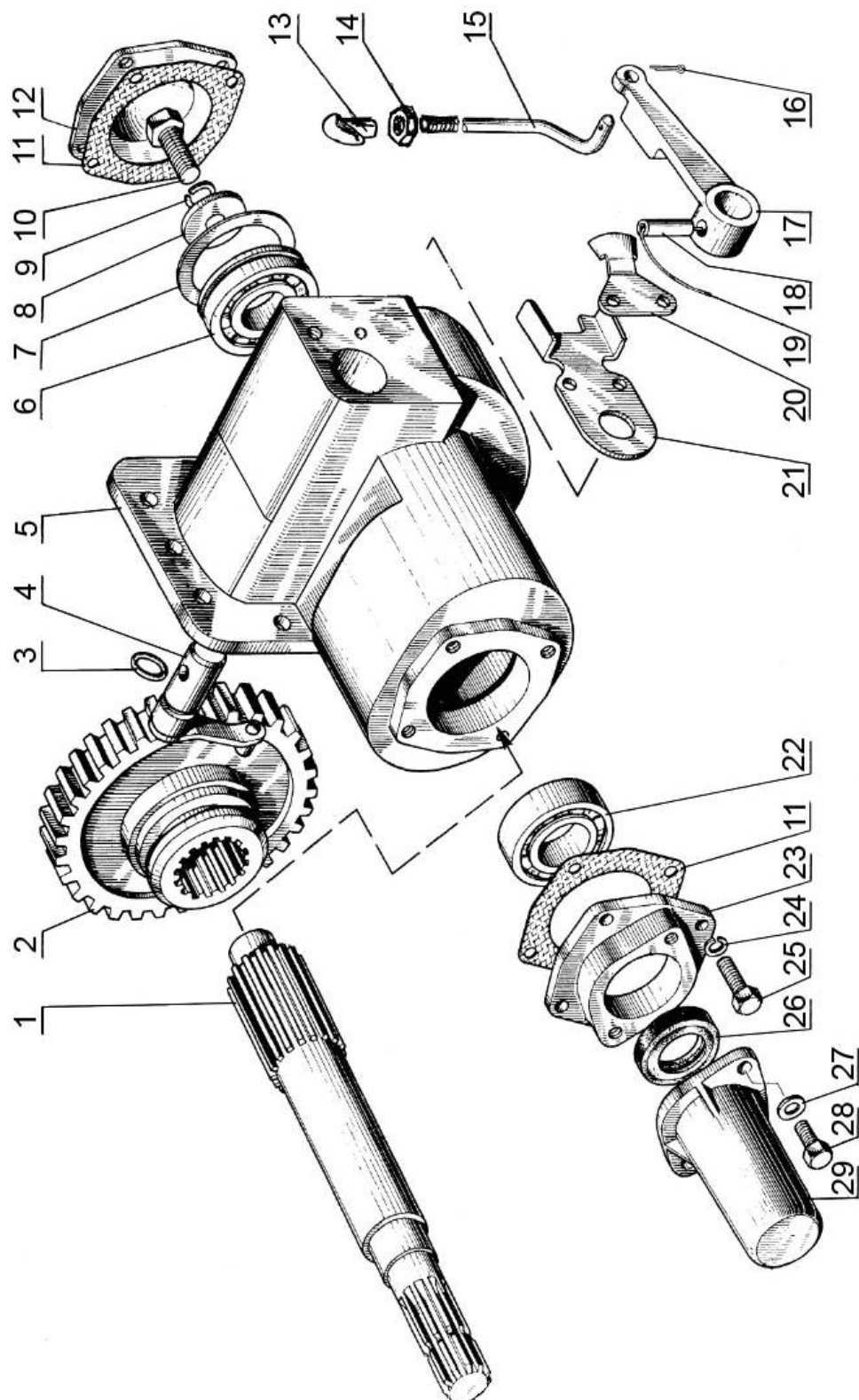


Fig.79. Side power take off shaft

Group 42. Power take off
Subgroup 4204. Side power take off shaft

Fig No	Item No	Denomination	Quantity	Designation
79		50-4204010	1	Side power take off haft with 8-splined shank-end (1-28)
	1	50-4204022	1	Side shaft with 8-splined shaft-end
	2	Φ50-4204026	1	Gear (Z=37)
	3	020-025-30-1-4 ГОСТ 18829-73/9833-73	1	Ring
	4	50-4204040-A	1	Roller
	5	50-4204015-Б	1	Housing
	6	208А ГОСТ 8338-75	1	Piston
	7	72 ГОСТ 2893-82	1	Ring
	8	50-1601038	1	Bushing
	9	12 ОТ OCT 37.001.115-75	1	Bushing
	10	M12-6gx35.88.35.019 ГОСТ 7796-70	1	Bolt
	11	50-1601091	2	Lining
	12	50-1601089	1	Cover
	13	50-1310136-A	1	Handle
	14	M8-6H.6.019 ГОСТ 5915-70	1	Nut
	15	80-4204042	1	Draft
	16	3,2x18.019 ГОСТ 397-79	1	Split
	17	50-4204034	1	Control lever
	18	A.10x40.65Г Chemical.Phosphate.Oil impregnated ГОСТ 14229-93	1	Pin
	19	1,6-O-C ГОСТ 3282-74	1	Wire (L=200mm)
	20	50-4204036-Б	1	Plate
	21	50-4204038	1	Plate
	22	6-50306K ГОСТ8338-75/2893-82	1	Piston
	23	50-4204024	1	Cover
	24	8T OCT 37.001.115-75	10	Bushing
	25	M8-6gx25.88.35.019 ГОСТ 7796-70	4	Bolt
	26	2.2-38x58-1 ГОСТ 8752-79/ OCT 3805146-78	1	Collar
	27	C 8.01.019 ГОСТ 11371-78	2	Bushing
	28	M8-6gx16.88.35.019 ГОСТ 7796-70	8	Bolt
	29	50-4202065-A	1	Cap

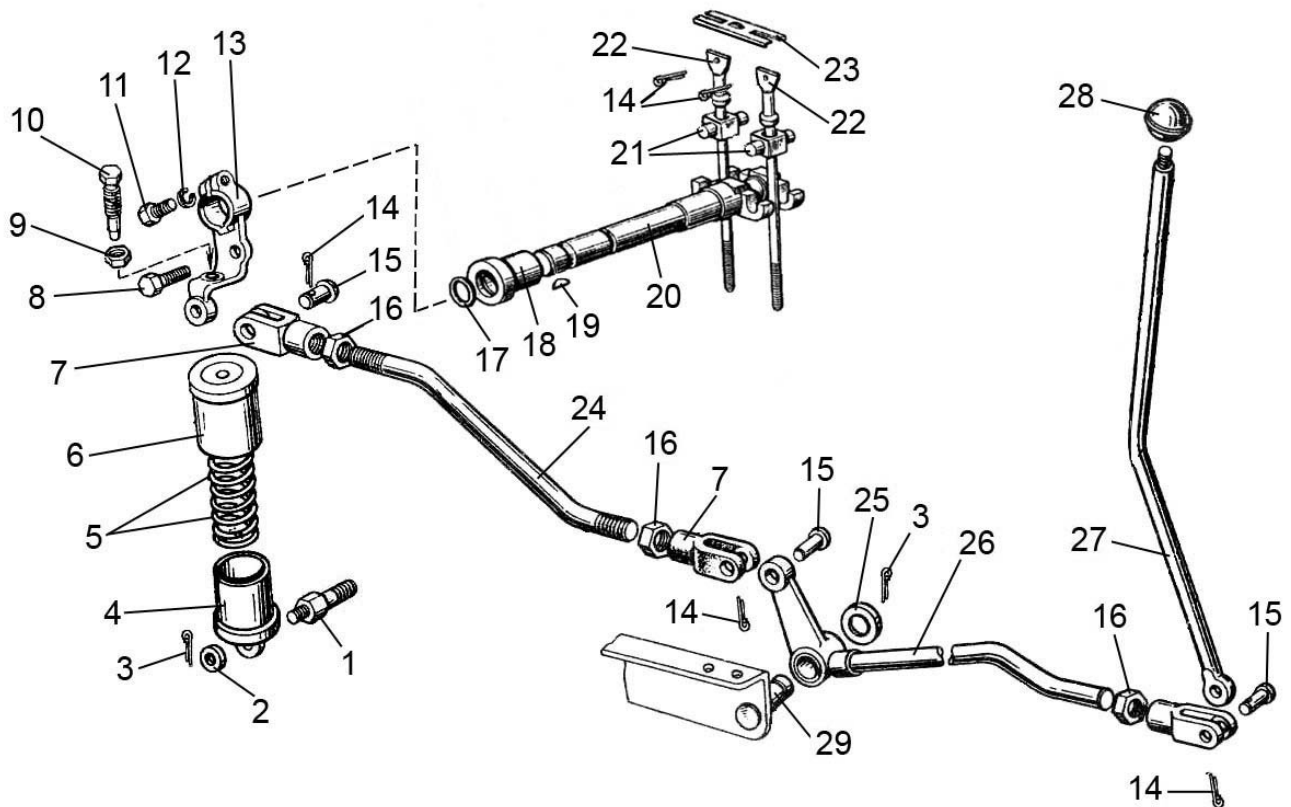


Fig.80. Power take off shaft control

Group 42. Power take off
Subgroup 4216. Power take off shaft control

Fig No	Item No	Denomination	Quantity	Designation
80		70-4216060-Б	1	Lever draft (15, 18, 23)
		70-4216065	1	Lever (15, 18, 25)
		50-4216070-Б-01	1	Roller control (20, 21)
	1	70-4216048-Б	1	Bolt
	2	16.01.019 ГОСТ 9649-78	1	Bushing
	3	4x36.019 ГОСТ 397-79	2	Split
	4	70-4216013	1	Ear
	5	70-4216011	2	Spring
	6	70-4216015	1	Cover
	7	50-3502203	3	Fork
	8	M10-6gx60.88.35.019 ГОСТ 7795-70	1	Bolt
	9	M16-6H.6.019 ГОСТ 5915-70	1	Nut
	10	70-4216023-A	1	Bolt
	11	M12-6gx35.88.35.019 ГОСТ 7796-70	1	Bolt
	12	12 OT OCT 37.001.115-75	1	Bushing
	13	50-4216022-A	1	Lever
	14	3,2x18.019 ГОСТ 397-79	3	Split
	15	12x32 OCT 37.001.163-75	3	Pin
	16	M12x1,25-6H.6.019 ГОСТ 5915-70	3	Nut
	17	025-030-30-1-4 ГОСТ 18829-73/9833-73	1	Ring
	18	50-4216024	1	Bushing
	19	СШ-611	1	Dowel 6x11
	20	50-4216018-01	1	Roller control
	21	50-4216034	2	Screw axle
	22	70-4216028	2	Screw
	23	80-4216039	1	Stopper
	24	70-4216043-Б	1	Draft
	25	50-3406037	1	Bushing
	26	70-4216050-Б	1	Lever
	27	70-4216081-Б	1	Pivot
	28	70-1702125	1	Handle
	29	70-4216069	1	Roller

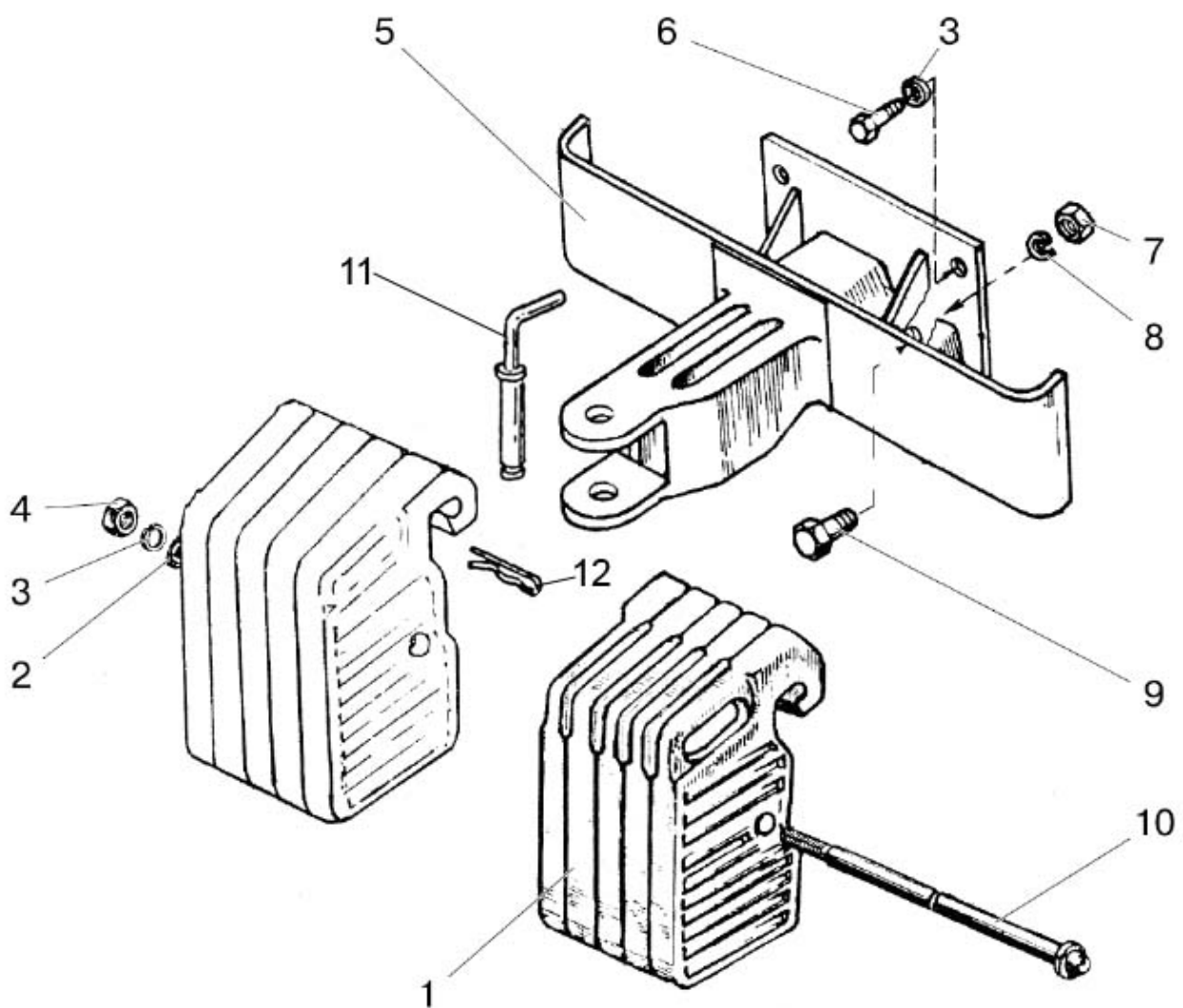


Fig.81. Front ballast weights

Group 42. Power take off
Subgroupgroup 4235. Front ballast weights

Fig No	Item No	Denomination	Quantity	Designation
81	1	70-4235011	10	Weight
	2	C16.01.019 ГОСТ 6958-78	1	Bushing
	3	16 OT OCT 37.001.115-75	3	Bushing
	4	M16-6H.6.019 ГОСТ 5915-70	1	Nut
	5	70-4235020	1	Bracket
	6	M16-6gx32.88.019 ГОСТ 7796-70	2	Bolt
	7	M20-6H.6.019 ГОСТ 5915-70	2	Nut
	8	20 OT OCT 37.001.115-75	2	Bushing
	9	70-4605036	2	Bolt
	10	80-4235015	1	String
	11	50-4605079-Б	1	Pivot
	12	A61.07.001	1	Split

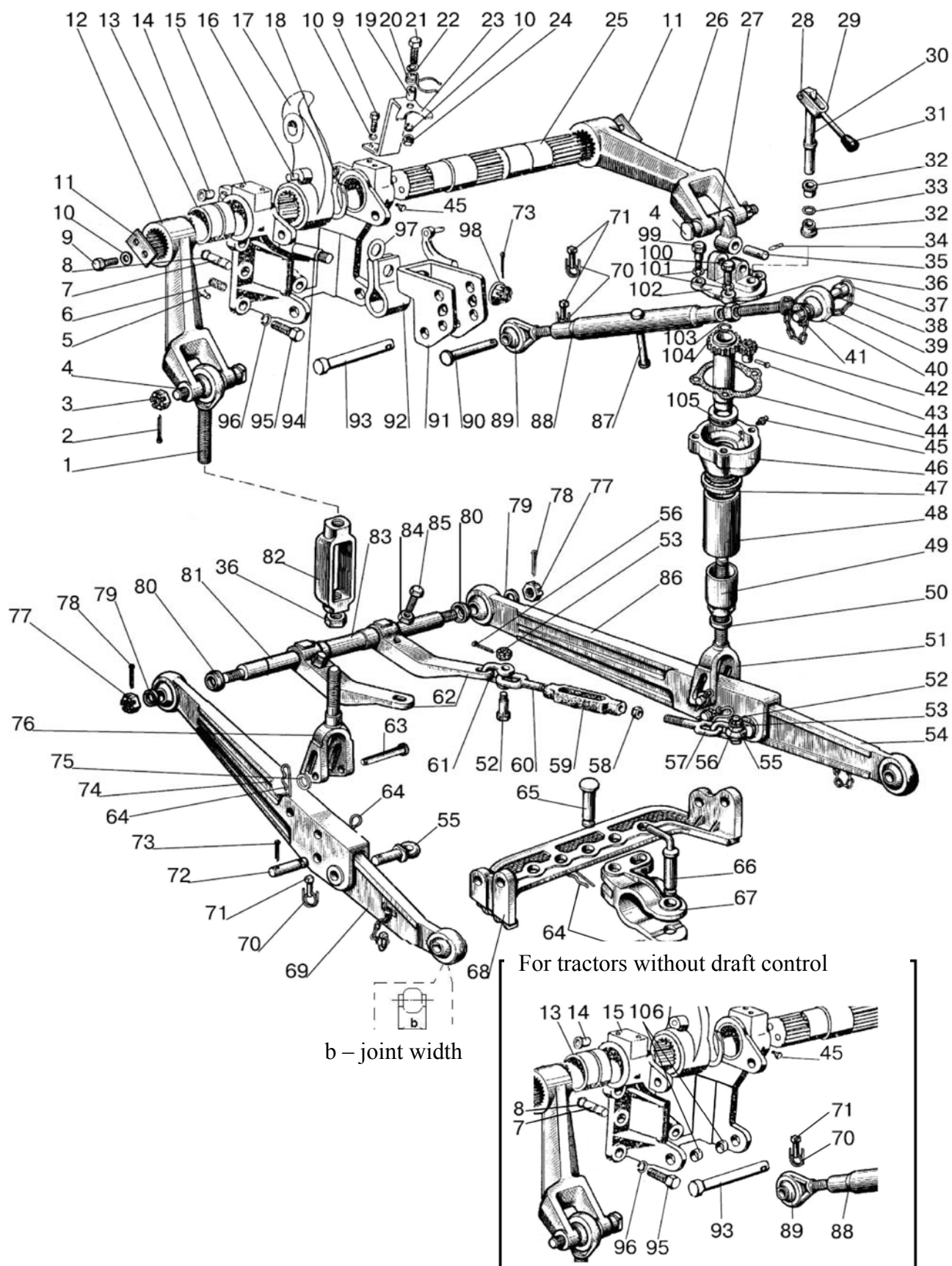


Fig.82. Rear hitch mechanism (for tractors with/without draft control)

Group 46. Hydraulic lift linkage
Subgroup 4605. Rear hitch mechanism
(for tractors with/without draft control)

Fig No	Item No	Denomination	Quantity	Designation
82		P70-4605010*	1	Rear hitch mechanism (1-105)
		80-4605010-15	1	Rear hitch mechanism (1-4, 7-15, 17-89, 95, 96, 100-106)
		50-4605012	2	Brace (1, 36, 76, 82)
		80-4605150-02	1	Brace (28-33, 42-51, 99-105) L=475 mm
		A61.05.100-01	1	Chock (39, 41)
		A61.03.000	1	Upper draft (36-41, 87-89)
		A61.03.200	1	Screw (37-41, pin A61.03.001-02 Ø22)
		A61.03.200-01	1	Screw (37-41, pin A61.03.001-01 Ø25)
		A61.04.000	2	Buckle (57-60)
		70-4605340	1	Lever (16, 17)
		80-4605025	1	Cross bar (64-68)
		50-4605030-A3	1	Right draft (54, 55, 64, 70-73, 86)
		50-4605035-A3	1	Left draft (55, 64, 69, 70-74)
		50-4605105-A	1	Traier pivot (64, 66)
		50-4605115	2	Buckle (52-53, 56-62, 84, 85)
	1	A61.02.100	1	Screw
	2	4x36.019 ГОСТ 397-79	2	Split
	3	70-3003032	2	Nut M18x1,5-61-1.6.019
	4	50-4605076 or 80-4605076	2	Pin
	5	70-4605317*	2	Terminator
	6	21A-1601150*	4	Spring
	7	50-4605027	2	Pin
	8	54.38.619	2	Stop ring
	9	M12-6gx25.88.35.019 ГОСТ 7796-70	6	Bolt
	10	12 OT OCT 37.001.115-75	7	Bushing
	11	40-4605023-A2	2	Bushing
	12	80-4605021	1	Lever
	13	70-4605032	2	Bushing
	14	70-4605308-Б*	2	Bushing
	15	70-4605016-Б*	1	Bracket
		80-4605016-01	1	Bracket
	16	70-4605313*	1	Pin
	17	70-4605024-A	1	Turn lever
	18	2C65 ГОСТ 13940-86	1	Ring
	19	50-4605069	1	Bushing
	20	A61.07.002	1	Spring
	21	M12-6gx35.88.35.019 ГОСТ 7796-70	1	Bolt
	22	12 OT OCT 37.001.115-75	1	Bushing
	23	70-4605240-A	1	Bracket
	24	M12-6H.6.019 ГОСТ 5915-70	1	Nut
	25	70-4605023	1	Turn shaft
	26	80-4605022	1	Lever
	27	70-4605168	1	Link
	28	A61.01.016-Б	1	Axle
	29	A61.01.400	1	Fork
	30	A61.01.600	1	Shaft
	31	A61.01.014	1	Handle
	32	A61.01.017	2	Bushing

* For tractors with draft control

510/512/520/522

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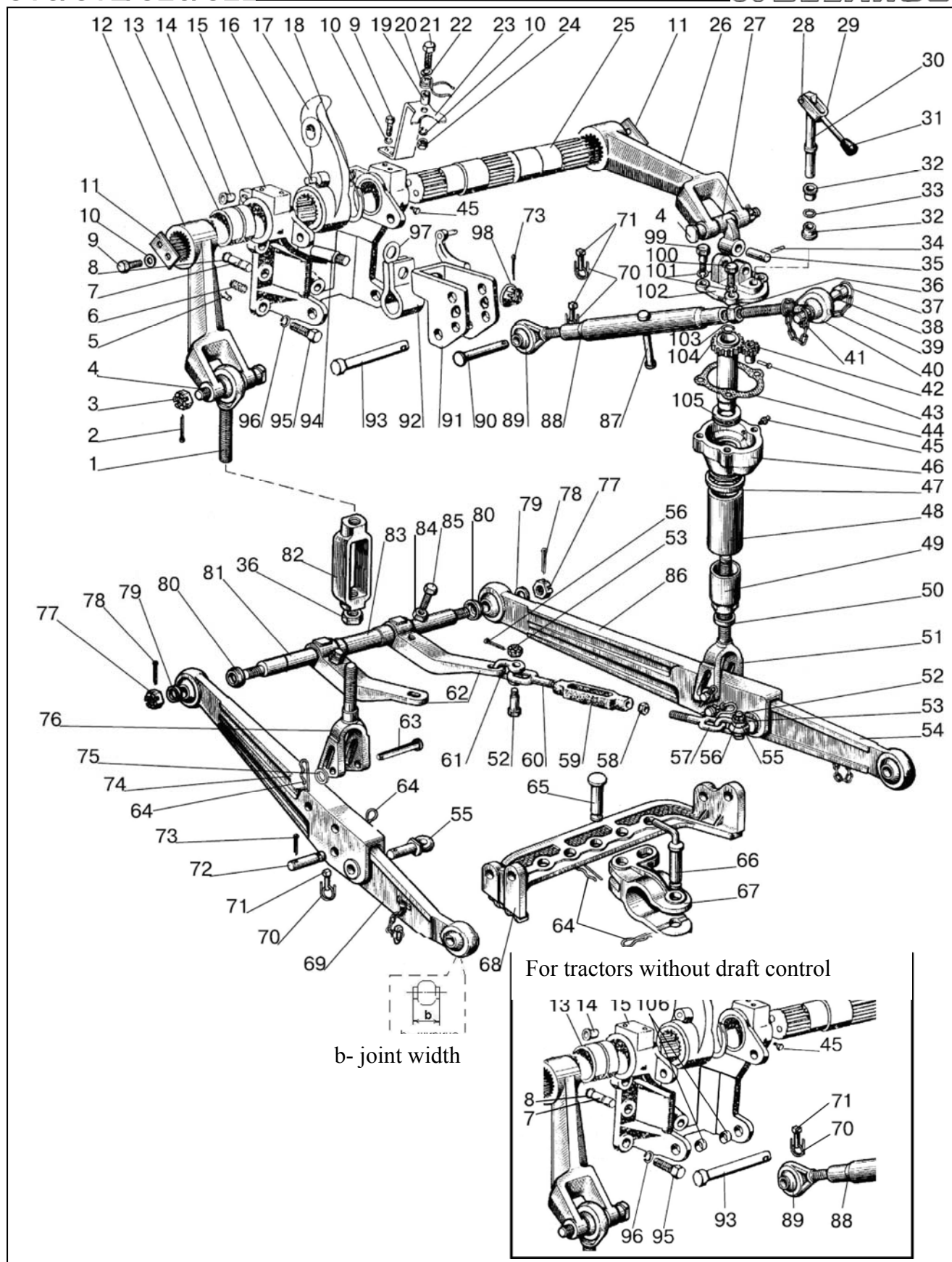


Fig.82. Rear hitch mechanism (for tractors with/without draft control)

Group 46. Hydraulic lift linkage
Subgroup 4605. Rear hitch mechanism
(for tractors with/without draft control)

Fig No	Item No	Denomination	Quantity	Designation
82	33	016-021-30-2-4 ГОСТ 18829-73/ ГОСТ 9833-73	1	Ring
	34	A.8x45.65Г ГОСТ 14229-93	1	Pin
	35	A61.01.004	1	Pin
	36	A61.02.003	1	Nut
	37	A61.03.002	2	Ring
	38	A61.03.001-01	1	Pin Ø 25
		A61.03.001-02	1	Pin Ø 22 (upon the order)
	39	A61.08.001-01	1	Chain (9 links)
	40	A61.02.100-04	1	Screw (hole of pivot Ø 22,5)
		A61.02.100-05	1	Screw (hole of pivot Ø 25,7)
	41	A61.05.100-05	1	Chok with ring
	42	A61.01.001	1	Gear
	43	A61.01.005	1	Axle
	44	A61.01.003	1	Lining
	45	1.3.Ц9.xp ГОСТ 19853-74	3	Lubricator
	46	A61.01.104	1	Housing
	47	A61.01.013	1	Bushing
	48	A61.01.008	1	Tube
	49	A61.01.011	1	Cap
	50	A61.01.009	1	Terminator
	51	70-4605100	1	Fork
	52	50-4605086	2	Bolt
	53	M12-6H.04.019 ГОСТ 5919-73	2	Nut
	54	C50-4605040-A	1	Draft (b=45)
		80-4605040	1	Draft (b=38 under the order)
	55	70-4605048-A	1	Ear
	56	3,2x18.019 ГОСТ 397-79	2	Split
	57	A61.04.002-01	1	Screw (right thread)
	58	M18-6H.04.019 ГОСТ 5916-70	1	Nut
	59	A61.04.003	1	Buckle
	60	A61.04.002	1	Screw (left thread)
	61	A61.09.002	2	Earring
	62	50-4605033-Б1	1	Bracket
	63	Φ50-4605084	2	Pin
	64	A61.07.001	4	Spring split
	65	A61.10.002	2	Pin
	66	50-4605079-Б	1	Pivot
	67	A61.11.001	1	Fork
	68	80-4605046	1	Cross bar
	69	C50-4605045-A	1	Draft (b=45)
		80-4605040-01	1	Draft (b=38 under order)
	70	A61.05.004	4	Ring
	71	A61.05.005	4	Choke
	72	50-4605049-Б	2	Pin
	73	5x36.019 ГОСТ 397-79	3 (2*)	Split
	74	70-4605055	1	Draft
	75	C 18.01.019 ГОСТ 11371-78	2	Bushing
	76	50-4605100-Б	1	Fork
	77	A04.02.020	2	Nut
	78	5x45.019 ГОСТ 397-79	2	Split
	79	70-4605047	2	Bushing

* For tractor with draft control

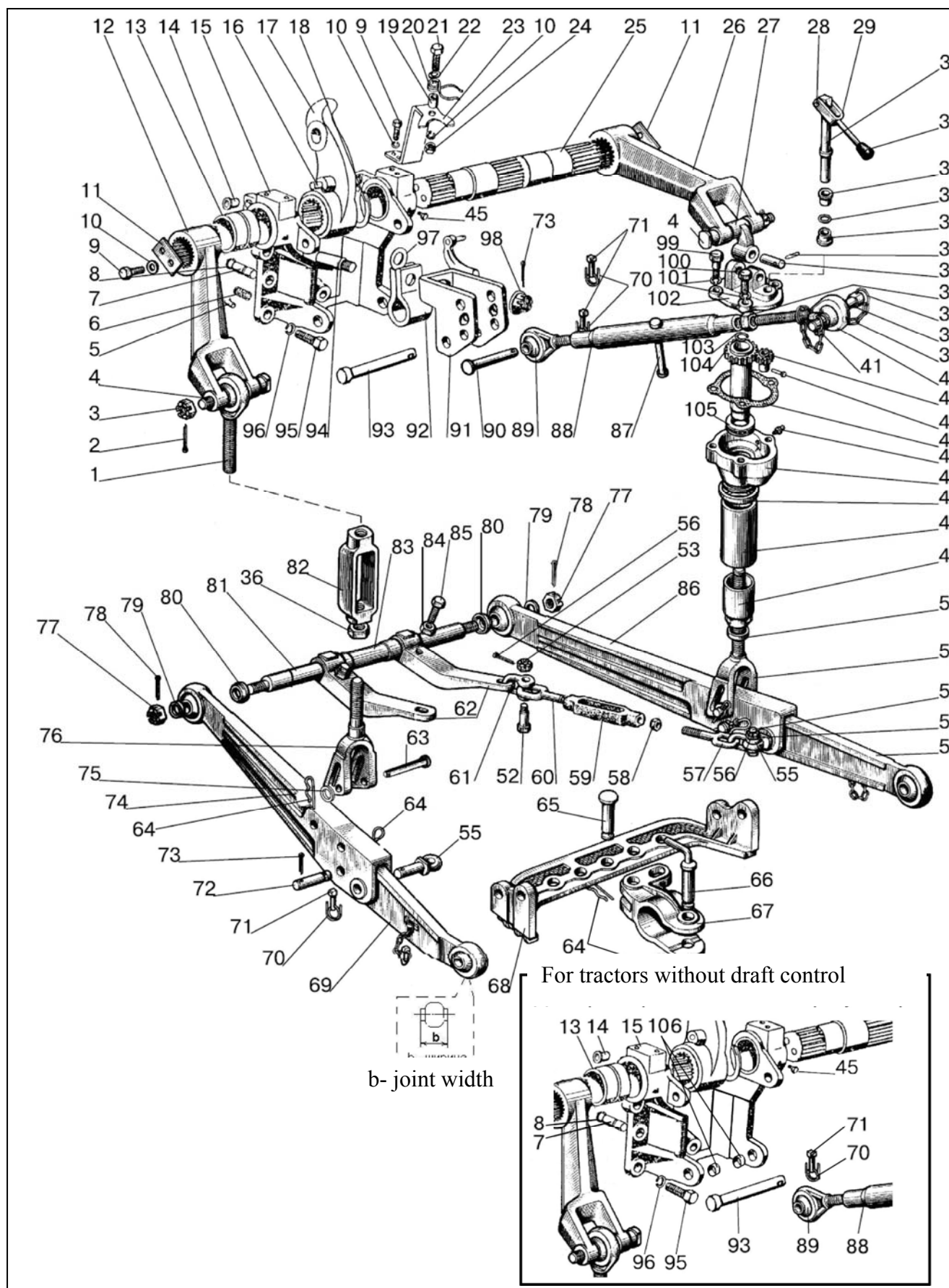


Fig.82. Rear hitch mechanism (for tractors with/without draft control)

Group 46. Hydraulic lift linkage
Subgroup 4605. Rear hitch mechanism
(for tractors with/without draft control)

Fig No	Item No	Denomination	Quantity	Designation
82	80	50-4605068-B1	2	Bushing
	81	70-4605026	1	Axle
	82	A61.02.001	1	Buckle
	83	50-4605018-B	1	Bushing
	84	M16-6H.04.019 ГОСТ 5916-70	1	Nut
	85	50-4605019	1	Bolt
	86	70-4605050	1	Draft
	87	A61.03.102	1	Handle
	88	A61.03.101	1	Tube
	89	A61.02.100-03	1	Screw (left thread)
	90	A61.10.001-02*	1	Pin
	91	70-4605330-B*	1	Earing
	92	70-4605302-B*	1	Spring
	93	A61.10.001	1	Pin
	94	70-4605320*	1	Bolt
	95	70-4605036	5	Bolt
	96	20 OT OCT 37.001.115-75	5	Bushing
	97	70-4605304-B*	1	Bushing
	98	70-4605316*	1	Nut
	99	A61.01.006	2	Bolt
	100	M14-6gx40.88.35.019 ГОСТ 7796-70	2	Bolt
	101	14 OT OCT 37.001.115-75	4	Bushing
	102	A61.01.204	1	Cover
	103	A61.01.012	1	Terminator
	104	A61.01.300	1	Tube
	105	8109 ГОСТ 7872-89	1	Piston
	106	40-4605047-B**	2	Bushing

* For tractors with draft control

** For tractors without draft control

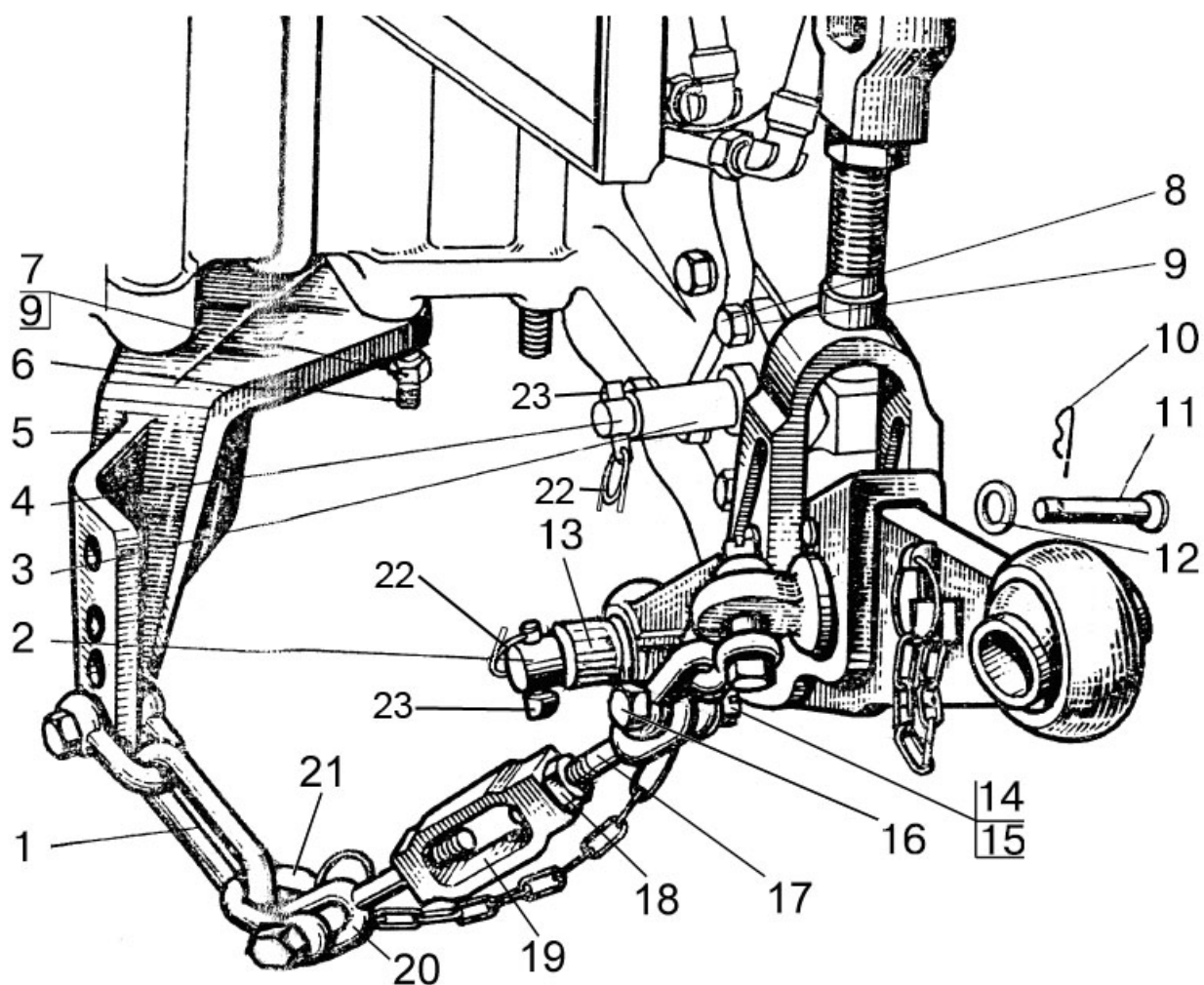


Fig.83. External blocking of draft arm (optional for tractors with/without draft control)

Group 46. Hydraulic lift linkage
Subgroup 4605. External locking of draft arm (optional for tractors with/without draft control)

Fig No	Item No	Denomination	Quantity	Designation
83		A61.04.000	2	Clamp band (17-20)
	1	40-4605098	2	Ring
	2	Φ50-4605026	1	Axle
	3	Φ50-4605097	2	Bushing
	4	Φ50-4605020	2	Bracket
	5	80-4605091	1	Left bracket
		80-4605091-01	1	Right bracket
	6	50-4609082	8	Stud
	7	M16x1,5-6H.6.019 ГОСТ 5918-73	16	Nut
	8	M16-6gx40.88.35.019 ГОСТ 7796-70	8	Bolt
	9	16 OT OCT 37.001.115-75	16	Bushing
	10	A61 07 001	2	Split
	11	Φ50-4605084	2	Pin
	12	C 18.01.019 ГОСТ 11371-78	4	Bushing
	13	70-4605047	2	Bushing
	14	3,2x18.019 ГОСТ 397-79	8	Split
	15	M12-6H.04.019 ГОСТ 5919-73	8	Nut
	16	50-4605086	8	Bolt
	17	A61.04.002	1	Screw
	18	M18-6H.04.019 ГОСТ 5916-70	1	Nut
	19	A61.04.003	1	Buckle
	20	A61.04.002-01	1	Screw
	21	A61.09.002	8	Earring
	22	A61.05.004	4	Ring
	23	A61.05.005	4	Choke

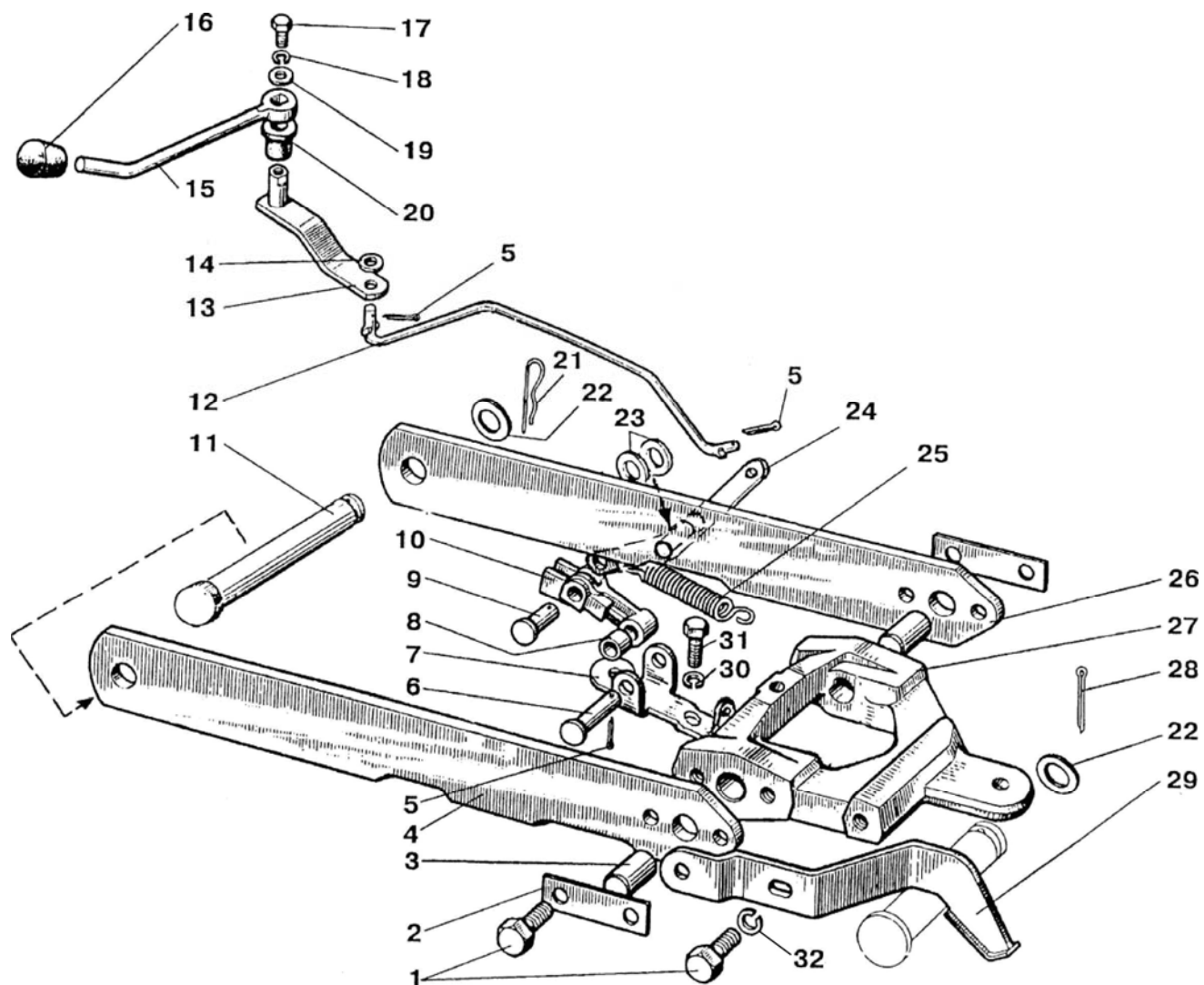


Fig.84. Retention mechanism

Group 46. Hydraulic lift linkage
Subgroup 4619. Retention mechanism

Fig No	Item No	Denomination	Quantity	Designation
84		80-4619110	1	Retention mechanism (1-31)
	1	M12-6gx30.88.35.019 ГОСТ 7796-70	5	Bolt
	2	70-4619016	2	Stone plate
	3	85-4619017-01	2	Pin
	4	80-4619012-Б-01	1	Draft
	5	3,2x18.019 ГОСТ 397-79	5	Split
	6	12x48 OCT 37.001.163-75	1	Pin
	7	70-4619033	1	Bracket
	8	50-4605069-01	1	Bushing
	9	12x32 OCT 37.001.163-75	1	Pin
	10	70-4619029-Б	1	Lever
	11	80-4619019	1	Pin
	12	80-4619134	1	Draft
	13	85-4619035	1	Lever
	14	С 8.01.019 ГОСТ 11371-78	1	Bushing
	15	85-4619036	1	Handle
	16	70-3401093	1	Lever cap
	17	M6-6gx14.88.35.019 ГОСТ 7798-70	1	Bolt
	18	6T OCT 37.001.115-75	1	Bushing
	19	С 6.01.019 ГОСТ 6958-78	1	Bushing
	20	50-4607082-А	1	Bushing
	21	A61.07.001	1	Split
	22	70-4619042	2	Bushing
	23	85-4619014	2	Bushing S=1,5 mm
	24	80-4619128	1	Lever
	25	50-1310158-Б	1	Spring
	26	80-4619105	1	Draft
	27	80-4619011	1	Pincher
	28	5x36.019 ГОСТ 397-79	1	Split
	29	80-4619020	1	Plate
	30	8T OCT 37.001.115-75	2	Bushing
	31	M8-6gx16.88.35.019 ГОСТ 7796-70	2	Bolt
	32	12 OT OCT 37.001.115-75	1	Bushing

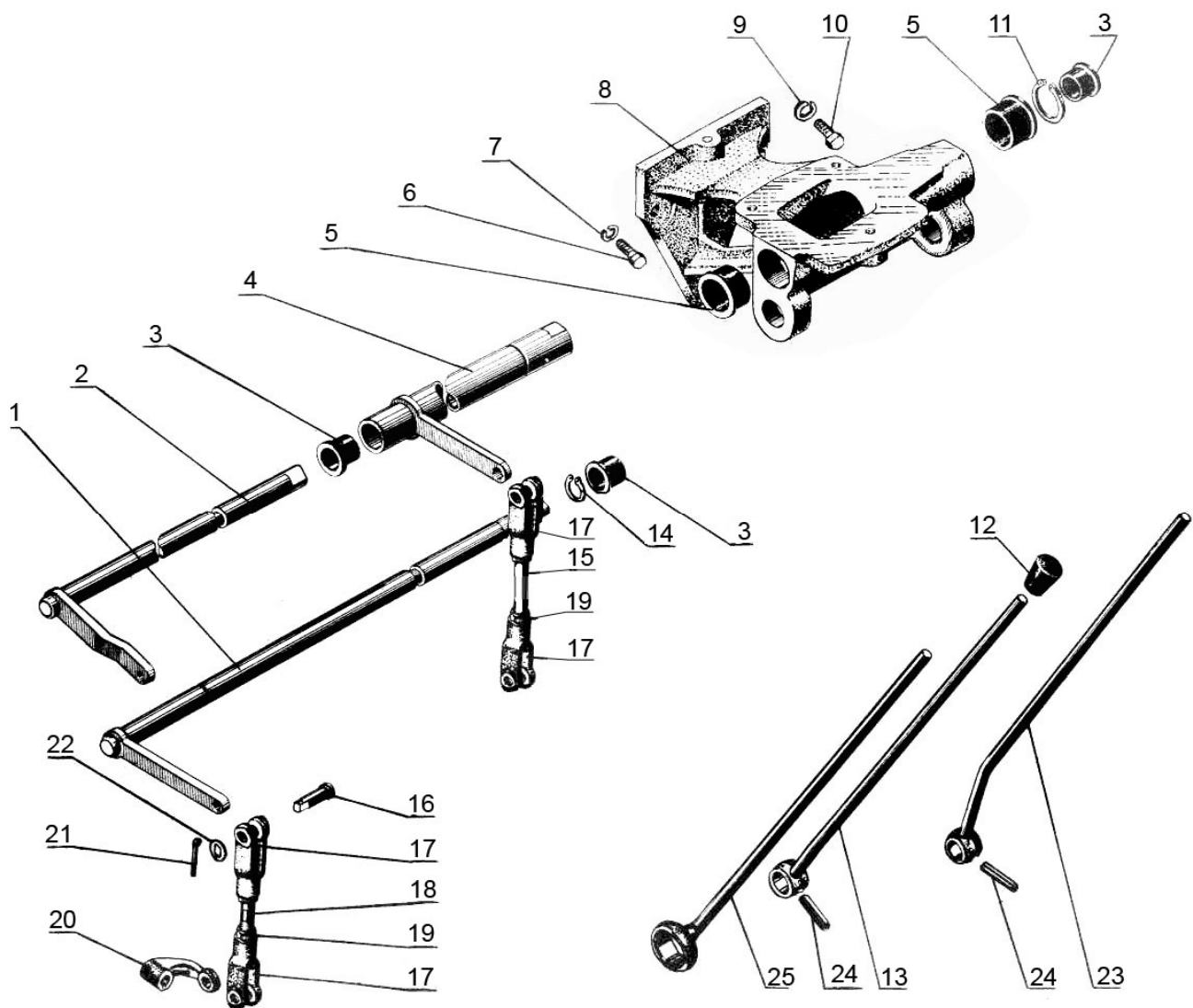


Fig.85. Hydraulic units control

Group 46. Hydraulic lift linkage
Subgroup 4607. Hydraulic units control

Fig No	Item No	Denomination	Quantity	Designation
85		70-4607040-B	1	Bracket (1-5, 8, 11, 13, 23-27)
	1	70-4607220-B	1	Shaft
	1	70-4607250	1	Shaft
	3	50-4607078-A	4	Bushing
	4	70-4607240	1	Shaft
	5	50-460779-A1	2	Bushing
	6	M10-6gx30.88.35.019 ГОСТ 7796-70	1	Bolt
	7	10 OT OCT 37.001.115-75	1	Bushing
	8	70-4607017	1	Bracket
	9	12 OT OCT 37.001.115-75	2	Bushing
	10	M12-6gx35.88.35.019 ГОСТ 7796-70	2	Bolt
	11	C32 ГОСТ 13940-86	2	Ring
	12	A61.01.014	4	Handle
	13	70-4607076	1	Lever
	14	C18 ГОСТ 13940-86	1	Ring
	15	80-4607087-02	2	Draft
	16	A61-030-A1	6	Pin
	17	A20-213-A	6	Fork
	18	80-4607087-01	1	Draft
	19	M8-6H.6.019 ГОСТ 5915-70	6	Nut
	20	50-4607086-A	3	Lever
	21	3,2x18.019 ГОСТ 397-79	6	Split
	22	70-4607144	6	Bushing
	23	70-4607074	1	Lever
	24	A.8x30.65Г Chemical.Phosphate.Oil impregnated ГОСТ 14229-93	2	Pin
	25	70-4607077	1	Lever

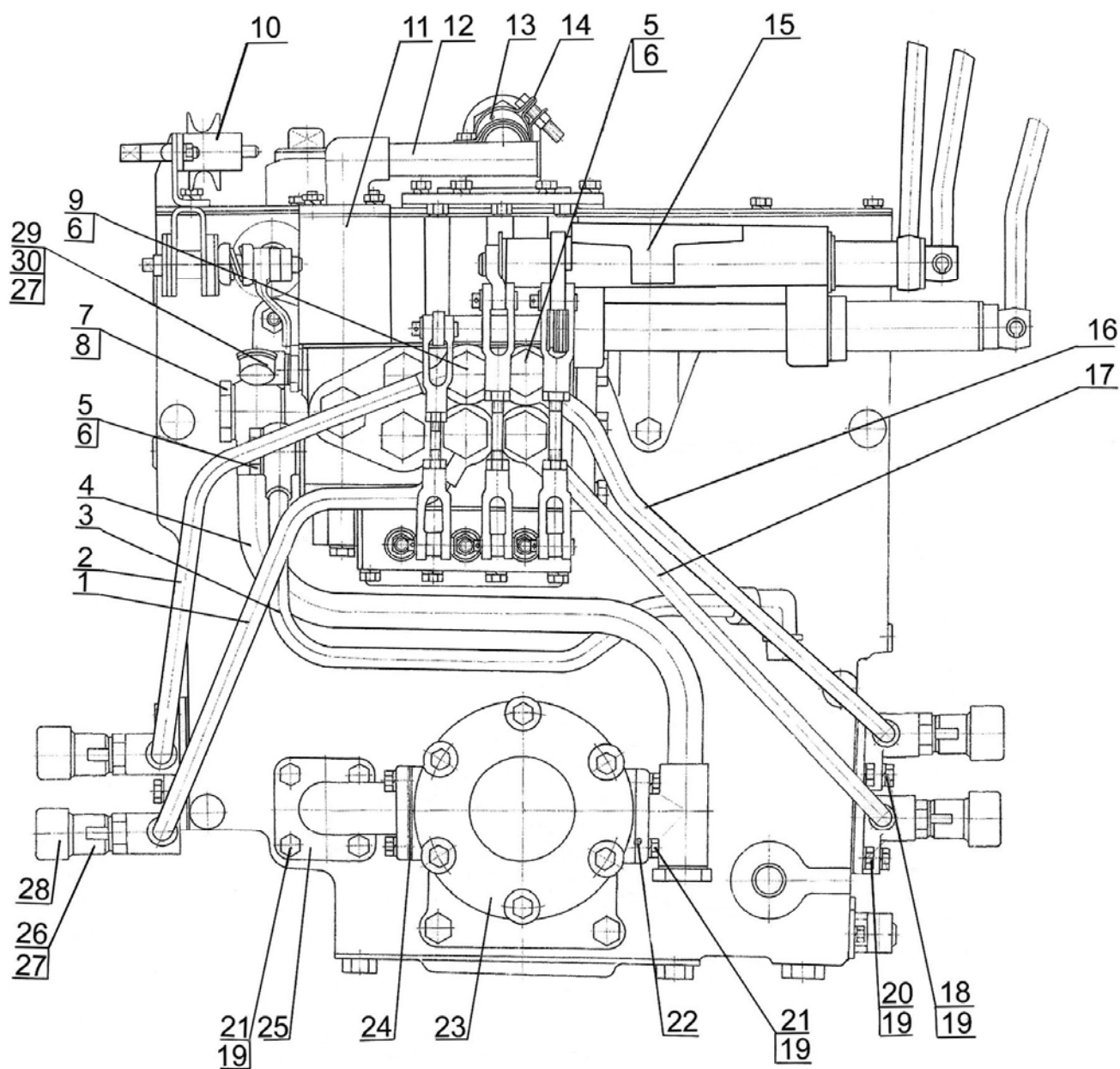


Fig.86. Fittings of hydraulic assembly housing

Group 46. Hydraulic lift linkage
Subgroup 4607. Fittings of hydraulic assembly housing

Fig No	Item No	Denomination	Quantity	Designation
86	1	530-4607085	1	Tube
	2	50-4607080	1	Tube
	3	70-4607410	1	Tube
	4	P50-4607075-A	1	Tube
	5	40-4607032	3	Bolt
	6	40-4607038-A	10	Bushing
	7	40-4607037	1	Bolt
	8	40-4607033-A	2	Bushing
	9	50-4607031	2	Bolt
	10	70-1310410-B	1	Control unit
	11	P80-3/1-222-3Гr	1	Hydraulic distributor
	12	70X-4607010	1	Pipeline
	13	50-4607063-B2-01	1	Drain hose
	14	XC-31	2	Clamp
	15	70-4607040-B	1	Bracket
	16	50-4607110	1	Tube
	17	50-4607115	1	Tube
	18	M8-6gx30.88.35.019 ГОСТ 7796-70	4	Bolt
	19	8T OCT 37.001.115-75	20	Bushing
	20	M8-6gx20.88.35.019 ГОСТ 7796-70	4	Bolt
	21	M8-6gx25.88.35.019 ГОСТ 7796-70	12	Bolt
	22	035-040-30-1-4 ГОСТ 18829-73/9833-73	1	Ring
	23	НШ32УКФ-3 or НШ32Д-3	1	Gear pump
	24	50-4607097	4	Lining
	25	50-4607096-A	1	Branch pipe
	26	3057-4616330-A	4	Valve of locking device Ø12
	27	017-022-30-1-4 ГОСТ 18829-73/9833-73	5	Ring
	28	50-4607039-A	4	Cap
	29	40-3405061-A	1	Bean
	30	40-3405062	1	Nut

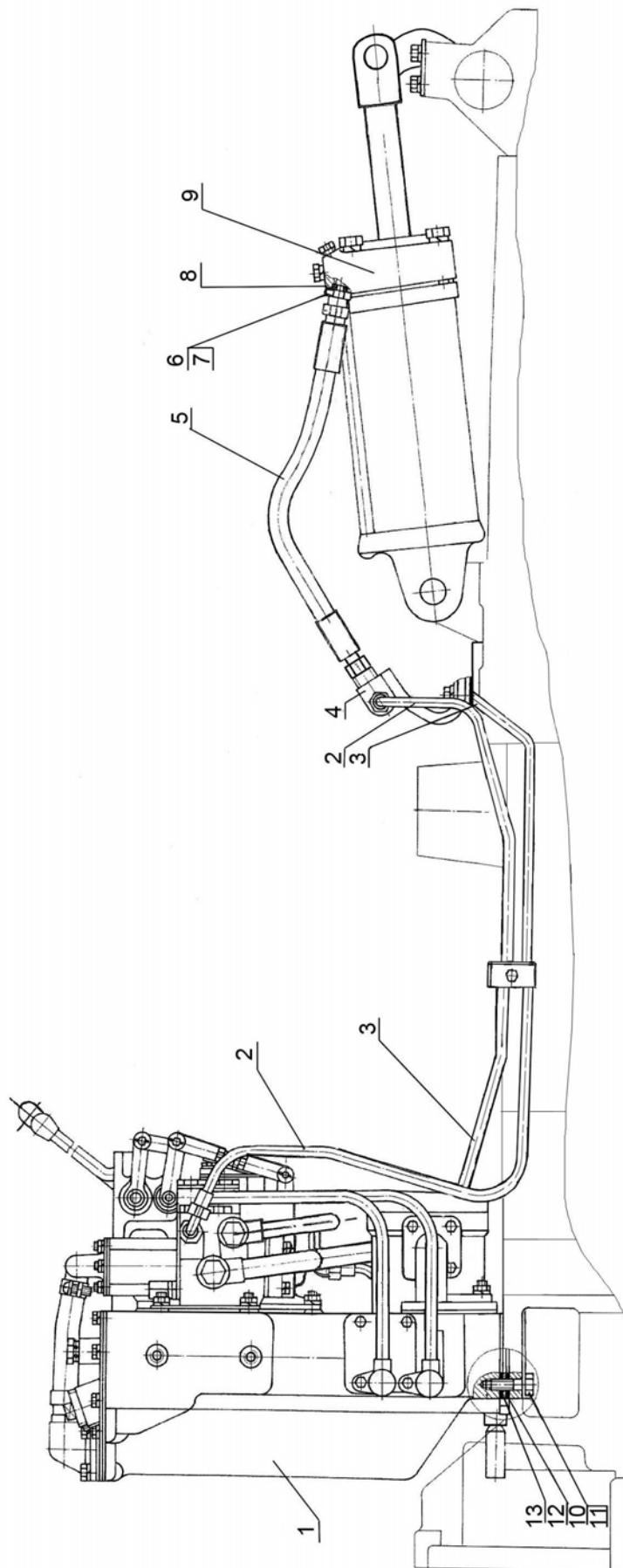


Fig.87. Hydraulic units and fittings

Group 46. Hydraulic lift linkage
Subgroup 4607. Hydraulic units and fittings

Fig No	Item No	Denomination	Quantity	Designation
87	1	P70-4600015-05	1	Hydraulic system housing
	2	70-4607370	1	Tube
	3	70-4607380	1	Tube
	4	80-4607050	1	Bracket
	5	H 036.83.140	2	Hose of high pressure Ø12
	6	70-1405089	1	Bean
	7	H 036.65.000A2-06	1	Delay valve
	8	017-022-30-1-4 ГОСТ 18829-73/9833-73	2	Ring
	9	Ц100x200-3	1	Hydraulic cylinder
	10	M14x1,5-6gx45.88.35.019 ГОСТ 7796-70	4	Bolt
	11	70-4607168	2	Plate
	12	50-4607049	2	Lining
	13	70-4608072	1	Plate

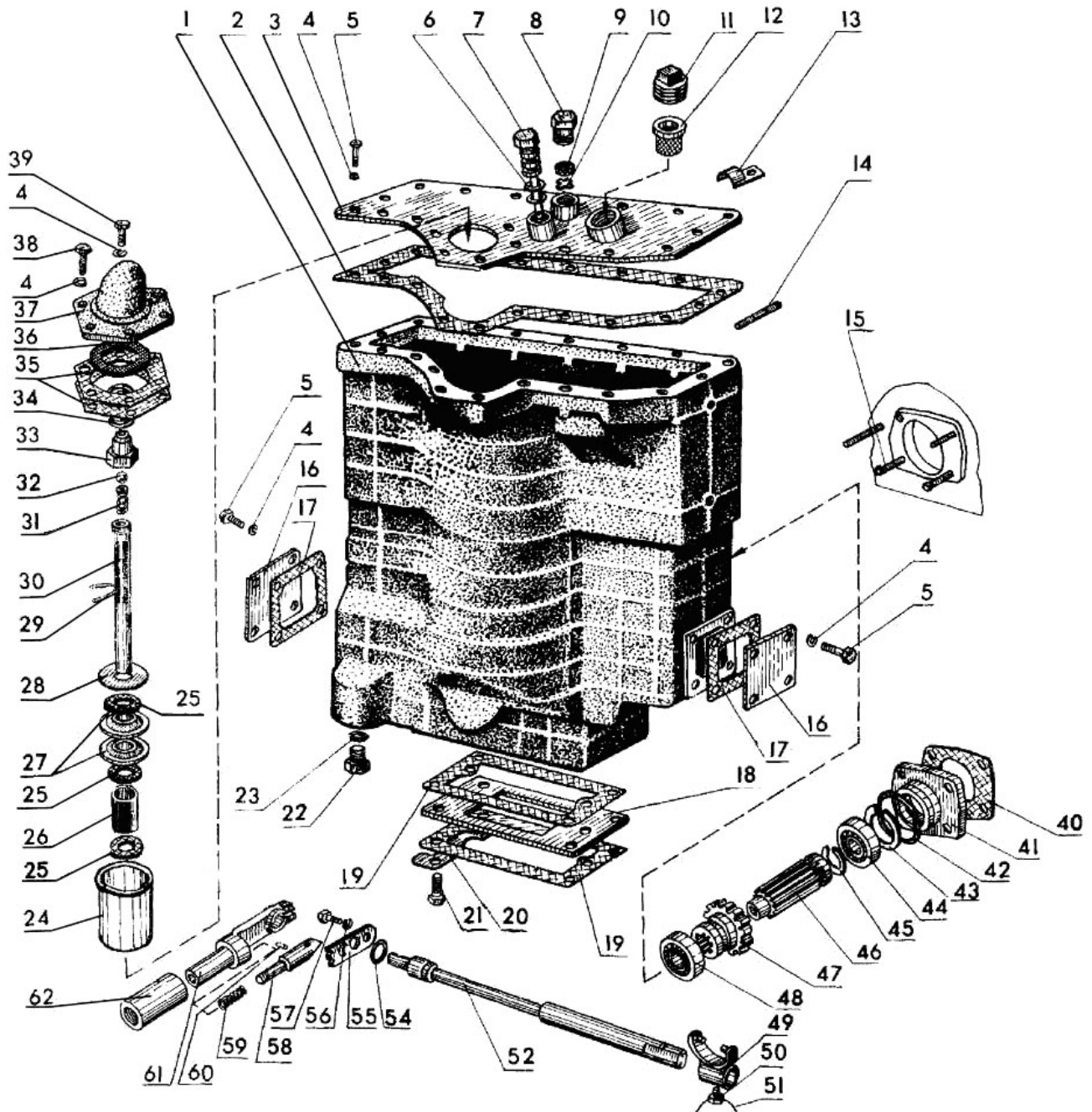


Fig.88. Hydraulic units housing, filter and hydraulic pump drive

Group 46. Hydraulic lift linkage
Subgroup 4608. Hydraulic units housing, filter and hydraulic pump drive

Fig No	Item No	Denomination	Quantity	Designation
88		50-4608010-B1	1	Housing (1-17, 22-33)
		80-4608011	1	Cover (3, 8-10)
		80-4608012-A	1	Filter (24-33)
		36-1022070-B	1	Switch handle (58-62)
	1	80-4608016	1	Hydraulic system housing
	2	80-4608031-B	1	Gasket
	3	80-4608025	1	Cover
	4	8T OCT 37.001.115-75	20	Bushing
	5	M8-6gx20.88.35.019 ГОСТ 7796-70	14	Bolt
	6	011-015-25-2-4 ГОСТ 18829-73/9833-73	2	Ring
	7	70-4608065-A	1	Oil meter
	8	50-4608059	1	Breather plug
	9	50-4608063	1	Filter
	10	50-4608062	2	Breather bushing
	11	ПК КГ 1 1/4 "	1	Plug
	12	A61-C06-A3	1	Filter
	13	50-3723022	1	Bracket
	14	M10 3p/6gx20.66.019 ГОСТ 22034-76	6	Pin
	15	M10-6gx40.88.35.019 ГОСТ 7796-70	2	Bolt
	16	70-4608019	2	Cover
	17	70-4608033	2	Gasket
	18	70-4608072	1	Plate
	19	50-4608049	2	Gasket
	20	70-4607168	2	Plate
	21	M14x1,5-6gx45.88.35.019 ГОСТ 7796-70	4	Bolt
	22	50-4608027-B	1	Plug
	23	017-022-30-1-4 ГОСТ 18829-73/9833-73	1	Ring
	24	40-4608036	1	Filter housing
	25	80-4608024	3	Ring
	26	80-4608074	1	Bushing
	27	80-1716080	12	Filterelement
	28	80-4608013-A	1	Deflector
	29	1,6-O-C ГОСТ 3282-74	1	Wire L=90mm
	30	80-4608014	1	Filter tube
	31	54.06.413	1	Spring
	32	15,081-100 ГОСТ 3722-81	1	Ball
	33	80-4608036	1	Valve housing
	34	50-4608057	1	Spring
	35	50-4608032-B	1	Filter gasket
	36	50-4608039-A	1	Ring
	37	50-4608018-B	1	Filter cover
	38	M8-6gx30.88.35.019 ГОСТ 7796-70	4	Bolt
	39	M8-6gx25.88.35.019 ГОСТ 7796-70	2	Bolt
	40	36-1022054-A	1	Gasket
	41	50-4604036-A	1	Piston glass
	42	50-4604048	1	Ring
	43	2C90 ГОСТ 13941-86	1	Ring
	44	210 АУШ1 ГОСТ8338-75	1	Piston
	45	2C50 ГОСТ 13940-86	1	Ring
	46	70-4604034	1	Shaft
	47	50-4604032-A	1	Gear
	48	208A ГОСТ 8338-75	1	Piston

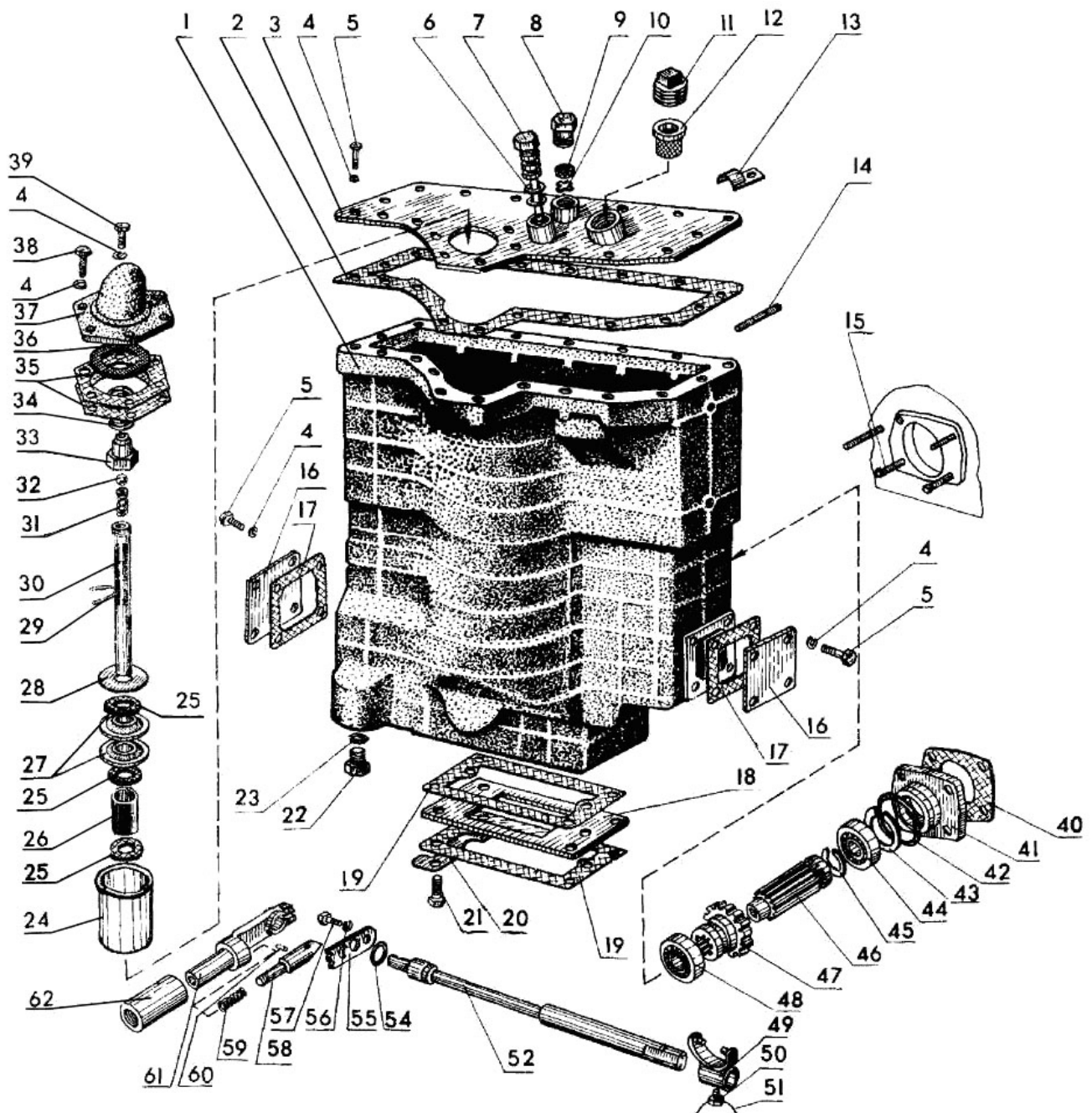


Fig.89 Hydraulic units housing, filter and hydraulic pump drive

Group 46. Hydraulic lift linkage**Subgroup 4608. Hydraulic units housing, filter and hydraulic pump drive**

Fig No	Item No	Denomination	Quantity	Designation
89	49	50-4604030	1	Fork
	50	50-4604046	1	Fork bolt
	51	1,0-O-C ГОСТ 3282-74	1	Wire L=150 mm
	52	50-4604042-B	1	Shaft
	54	013-017-25-1-4 ГОСТ 18829-73/9833-73	1	Ring
	55	50-4604044	1	Plate
	56	8T OCT 37.001.115-75	2	Bushing
	57	M8-6gx16.88.35.019 ГОСТ 7796-70	2	Bolt
	58	36-1022073	1	Fixer
	59	36-1022074	1	Fixer spring
	60	2.4x16 ГОСТ 3128-70	1	Pin
	61	36-1022071-B	1	Handle
	62	36-1022072	1	Handle glass

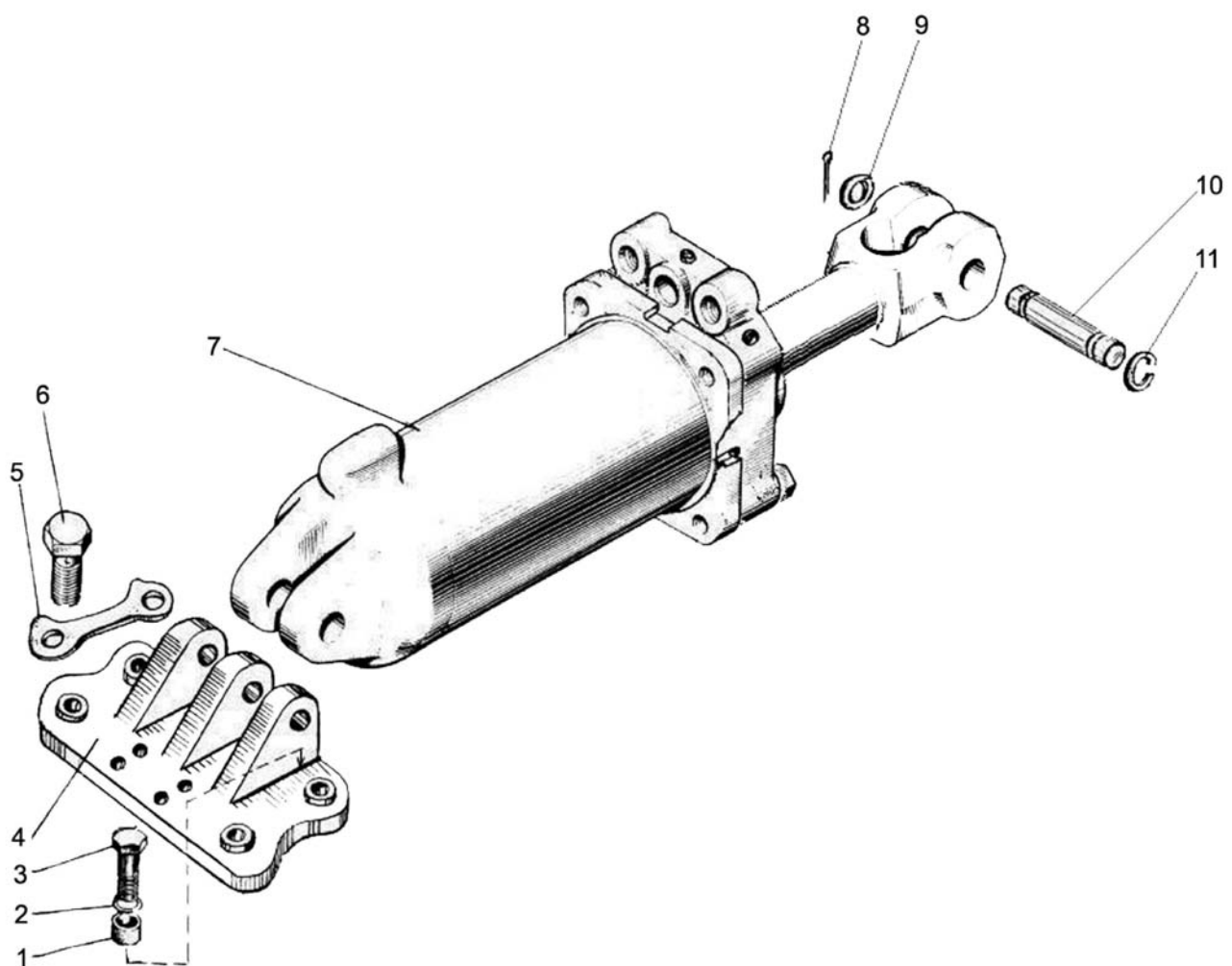


Fig.90. Hydraulic cylinder L 100x200

Group 46. Hydraulic lift linkage
Subgroup L 100. Hydraulic cylinder L 100x200

Fig No	Item No	Denomination	Quantity	Designation
90	1	70-4605041	2	Bushing
	2	C 20.01.019 ГОСТ 11371-78	2	Bushing
	3	70-4605036-01	2	Bolt
	4	70-4605017-A	1	Bracket
	5	70-4605034	2	Plate
	6	70-4605036	2	Bolt
	7	L100x200-3	1	Hydraulic cylinder
	8	5x36.019 ГОСТ 397-79	1	Split
	9	70-4619042	1	Bushing
	10	L90-1212037M	1	Pin
	11	50-3406022-A	1	Ring

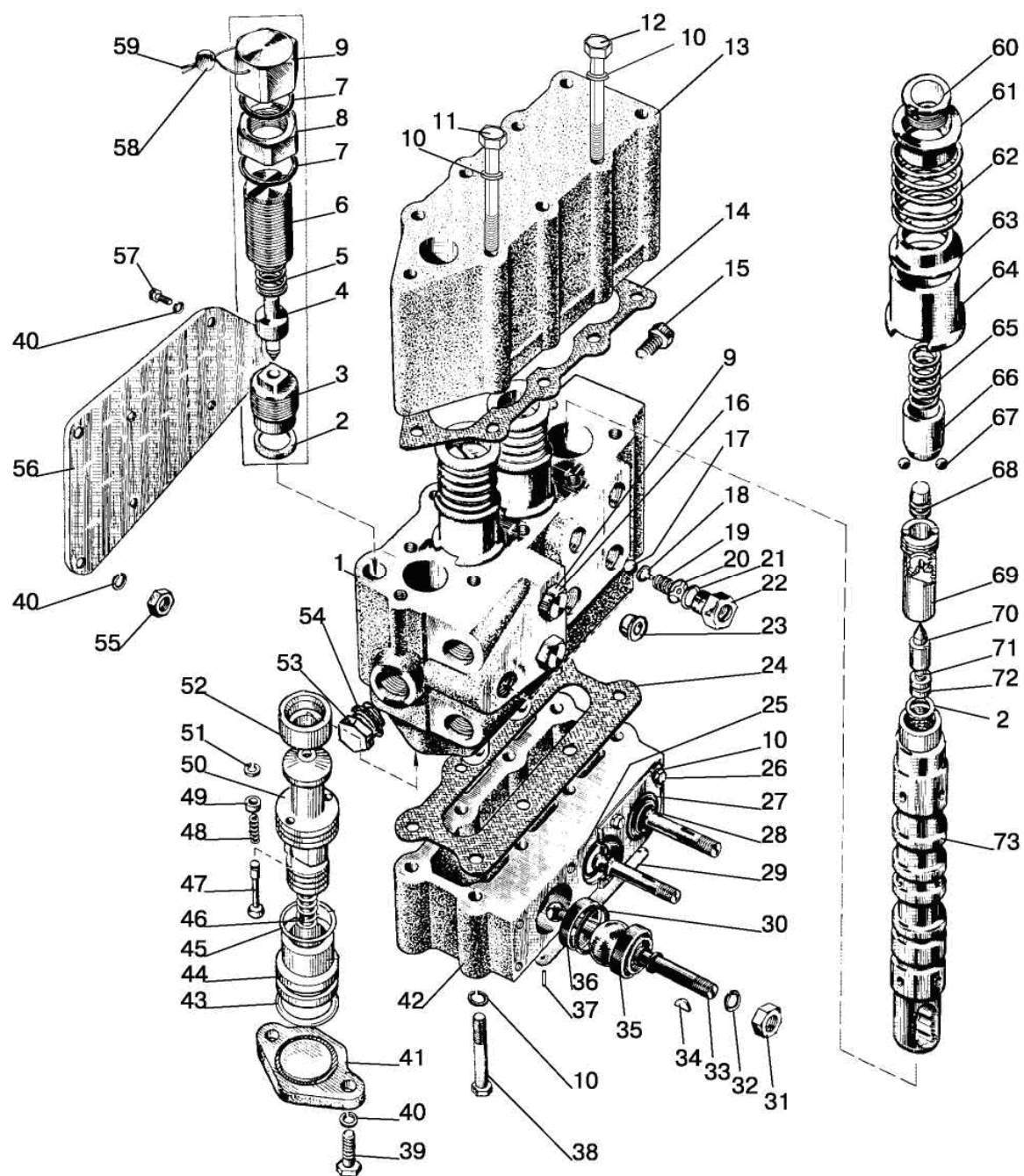


Fig.91. Hydraulic control valve P80-3/4-222-3Гr

Group 46. Hydraulic lift linkage
Subgroup P80-3/4-222-3 Гр. Hydraulic control valve P80-3/4-222-3 Гр

Fig No	Item No	Denomination	Quantity	Designation
91		P80-3/4-222-3 Гр	1	Hydraulic control valve (1-74)
		P80-23.20.030	1	Slide (60-74)
	1	P80-23.30.421-A	1	Housing
	2	P75-B-028-A	7	Gasket
	3	P80-23.20.063	1	Nest
	4	МКПВ-16/3Ф-101	1	Needle
	5	МКПВ-16/3Ф-104	1	Spring
	6	P80-049 Б	1	Adjusting screw
	7	017-022-30-2-2 ГОСТ 18829-73/9833-73	3	Ring
	8	P75-058-Б	1	Nut
	9	P75-051-Б	1	Cap
	10	8Т OCT 37.001.115-75	25	Bushing
	11	M8-6gx110.88.35.019 ГОСТ 7796-70	3	Bolt
	12	M8-6gx100.88.35.019 ГОСТ 7796-70	6	Bolt
	13	P80-23.20.123-Б	1	Bottom cover
	14	P40/75-0808039-Б	1	Gasket
	15	КГ 1/4".A12.019 ТУ 23.1.506-91	1	Plug
	16	50-4608027-Б	4	Stopper
	17	14,288-60 ГОСТ 3722-81	3	Ball
	18	P80-23.20.007	3	Guide arm
	19	P80-23.20.002	3	Spring
	20	P80-23.20.003	3	Bushing
	21	024-028-25-1-4 ГОСТ 18829-73/9833-73	3	Ring
	22	P80-23.20.004	2	Adapter
	23	P75-090A	6	Stopper (technological)
	24	P75-3-038	1	Gasket
	25	P75-3-057	1	Ring plate
	26	M8-6gx20.88.35.019 ГОСТ 7796-70	8	Bolt
	27	P75-3-055-Б	1	Plate of dust cap
	28	P75-056M	3	Dust cap
	29	P80-23.20.353-Г1	1	Table
	30	28.00-3,00 72 NBR 872 or OR NBR 70 02750300 ISO 3601 or 028-033-30-2-2 ГОСТ 18829-73/9833-73	3	Ring
	31	M12x1,25-6H.04.019 ГОСТ 5916-70	3	Nut
	32	12 OT OCT 37.001.115-75	3	Bushing
	33	P75-054-Б	3	Lever
	34	3x6,5 ГОСТ 24071-80	3	Dowel
	35	P80-23.20.065	3	Ring
	36	P80-23.20.064	3	Ring
	37	2x6.01 ГОСТ 10299-80	2	Rivet
	38	M8-6gx55.88.35.019 ГОСТ 7795-70	8	Bolt
	39	M10-6gx25.88.35.019 ГОСТ 7796-70	2	Bolt
	40	14 OT OCT 37.001.115-75	9	Bushing
	41	P80-23.20.071.Б	1	Stop
	42	P80-23.20.022-A	1	Upper cover
	43	31,42-2,62 88 NBR 156 or 032-037-30-2-2 ГОСТ 18829-73/9833-73	1	Ring
	44	P80-23.20.073	1	Guide arm
	45	025-030-30-2-3 ГОСТ 18829-73/9833-73	1	Ring
	46	P75-072	1	Spring
	47	P75-B3BP-081-A	1	Valve
	48	P75-B3BP-082	1	Spring
	49	P80-23P.20.085	1	Bushing
	50	P80-23P.20.084	1	Overflow valve
	51	1,6.65Г.08.1 ГОСТ 11648-75	1	Bushing

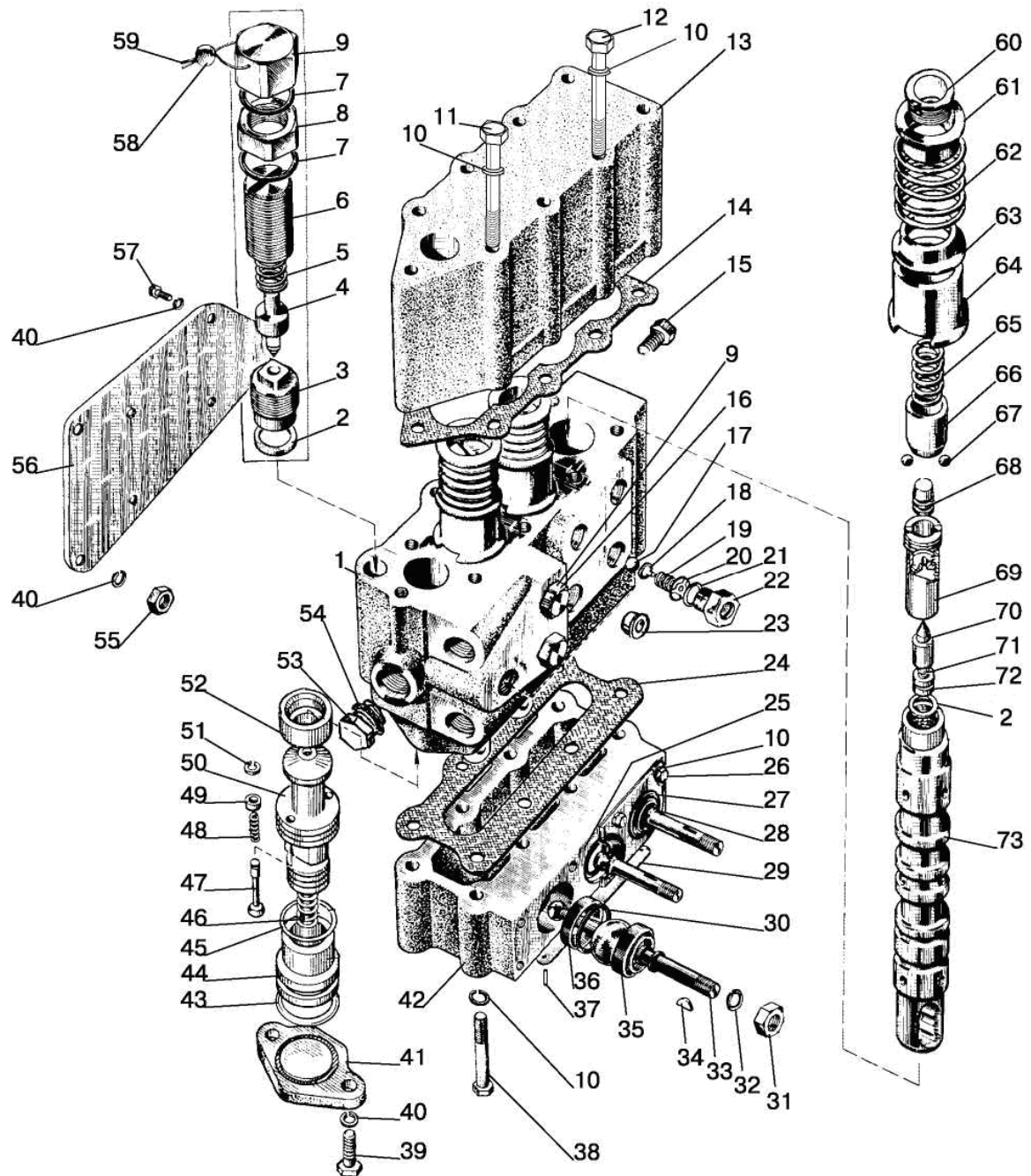


Fig.91. Hydraulic control valve P80-3/4-222-3Гr

Group 46. Hydraulic lift linkage
Subgroup P80-3/4-222-3Гр. Hydraulic control valve P80-3/4-222-3Гр

Fig No	Item No	Denomination	Quantity	Designation
91	52	P80-23.20.043	1	Valve nest
	53	85-4608021-Б	1	Plug
	54	025-029-25-2-2 ГОСТ 18829-73/9833-73	1	Ring
	55	M10-6H.6.019 ГОСТ 5915-70	3	Nut
	56	50-4607032-Б	1	Bracket
	57	M10-6gx20.88.35.019 ГОСТ 7796-70	4	Bolt
	58	P40/75-0808076	1	Seal
	59	0,8-II-L250 ГОСТ 3282-74	1	Wire
	60	P80-23.20.137	3	Plug
	61	P75-033	3	Bottom glass
	62	P80-23.20.035	3	Spring
	63	P75-034	3	Upper glass
	64	P80-23.20.031	3	Iron ring
	65	P75-B-032	3	Spring
	66	P75-B-029	3	Bushing
	67	6,350-100 ГОСТ 3722-81	9	Ball
	68	P80-23.20-025	3	Booster
	69	P80.23.20.046-Б	3	Cartridge
	70	P80-23.20.045	3	Plunger
	71	P80-23.20.036	3	Spring
	72	P80-23.20.027	3	Nest
	73	P80-23.20.224	3	Slide

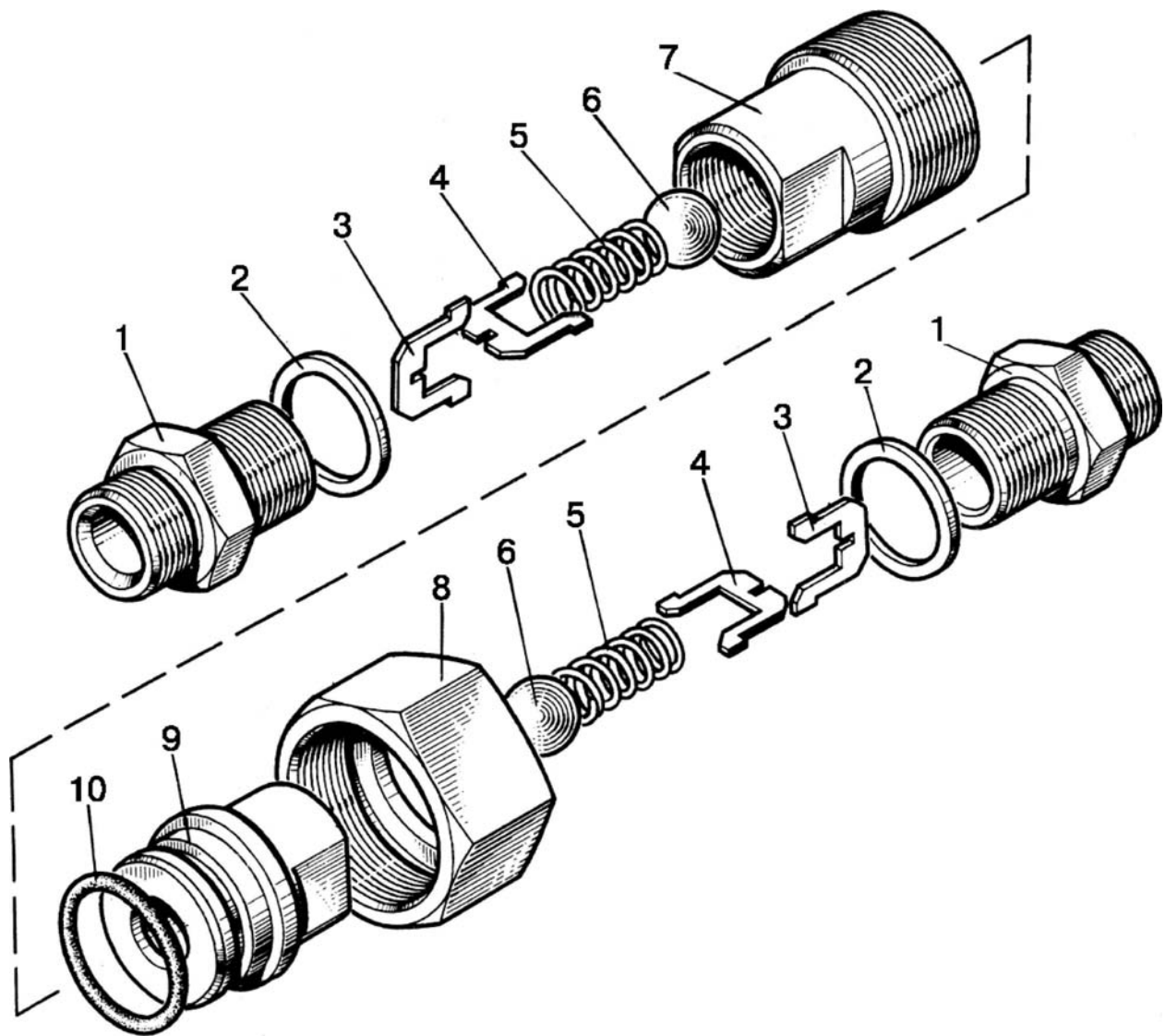


Fig.92. Locking device

**Group 46. Hydraulic lift linkage
Subgroup H.036. Locking device**

Fig No	Item No	Denomination	Quantity	Designation
92		3057-4616320	2	Locking device (1-10)
		3057-4616330-A	6	Valve of locking device diameter 12 left (1-7)
		3057-4616350-A	6	Valve of locking device diameter 12 right (1-6, 8-10)
		1057-4616340-A	2	Assembled crossbar (3, 4)
	1	1057-4616338-B	2	Bean
	2	017-021-25-2-2 ГОСТ 18829-73/9833-73	2	Ring
	3	1057-4616344-A	2	Bottom crossbar
	4	1057-4616342-A	2	Upper crossbar
	5	A16-2530034-1	2	Spring
	6	14,288-60 ГОСТ 3722-81	2	Ball
	7	1057-4616332-B	1	Housing of locking device Ø12 left
	8	1057-4616364-B	1	Captive nut
	9	1057-4616352-A	1	Housing of locking device Ø12 right
	10	022-027-30-2-2 ГОСТ 18829-73/9833-73	1	Ring

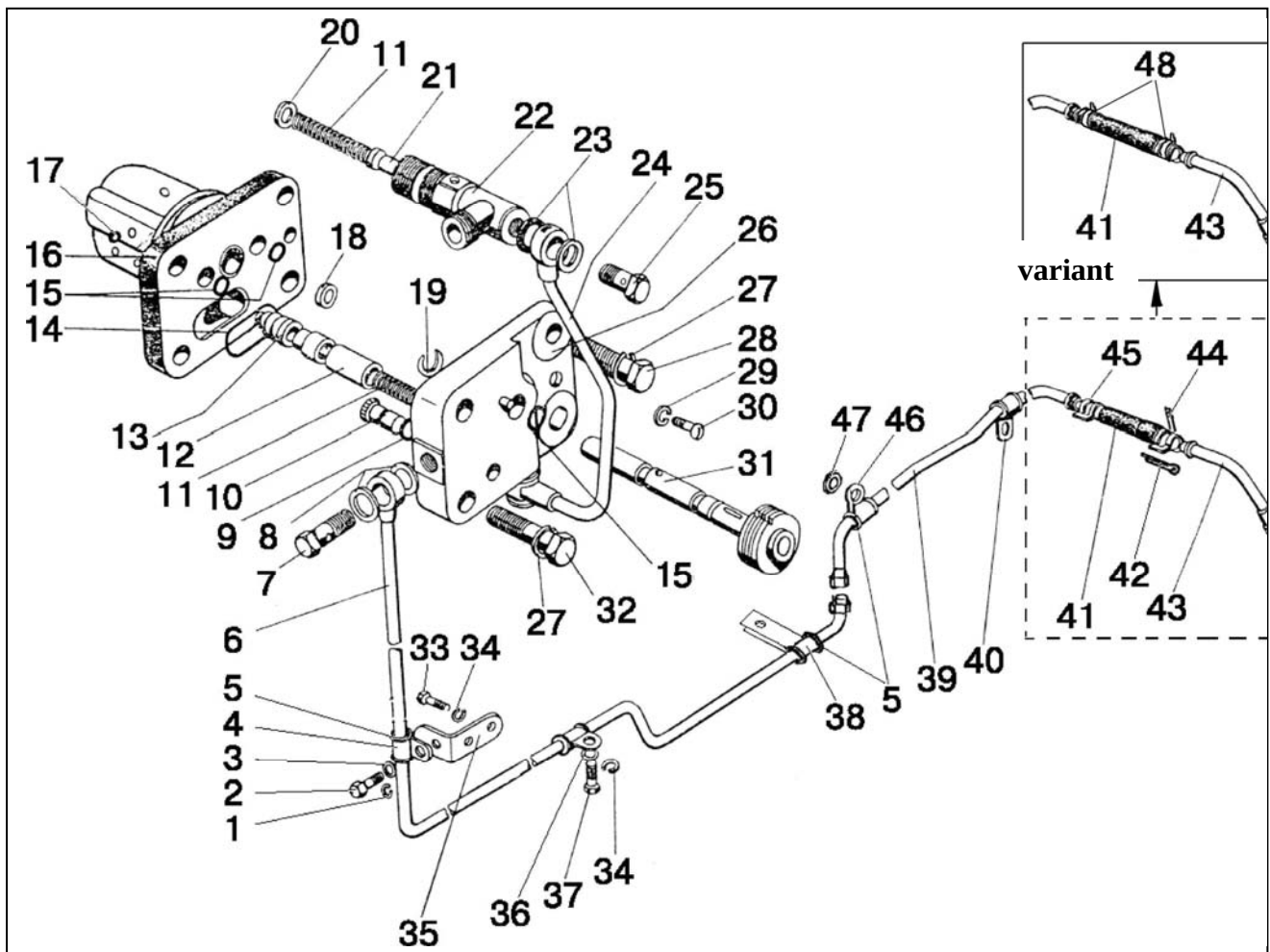


Fig.93. Differential locking sensor. Locking sensor fittings

Group 48. Control of rear axle differential locking and fittings
Subgroup 4801, 4802. Differential locking sensor. Locking sensor fittings

Fig No	Item No	Denomination	Quantity	Designation
93		70-4801010	1	Locking sensor (7, 9-19, 26, 28-31)
		70-4802005	1	Locking sensor fittings (1-8, 23-25, 27, 32-47)
		70-4802010	1	Reducing valve (11, 20-22)
	1	8T OCT 37.001.115-75	1	Bushing
	2	M8-6gx25.88.35.019 ГОСТ 7796-70	1	Bolt
	3	C 8.01.019 ГОСТ 11371-78	1	Bushing
	4	70-4802046	2	Clamp
	5	ПР-32	5	Gland
	6	70-4802030-Б	1	Oil line
	7	Д18-051	1	Bolt of turn angle
	8	Д18-055-А	2	Ring
	9	006-010-25-2-4 ГОСТ 18829-73/9833-73	1	Ring
	10	70-4801015	1	Probe
	11	70-4801045	2	Spring
	12	70-4801011	1	Slide
	13	70-4801020	1	Push bar
	14	025-030-30-1-4 ГОСТ 18829-73/9833-73	1	Ring
	15	008-012-25-1-4 ГОСТ 18829-73/9833-73	3	Ring
	16	70-4801023	1	Housing
	17	5,556-60 ГОСТ 3722-81	1	Ball
	18	70-4801019	1	Bushing
	19	70-4801016	1	Stopper
	20	70-3407147	1	Bushing
	21	70-4802013	1	Valve
	22	70-4802011	1	Housing
	23	36-1104788-01	4	Gasket
	24	70-4802020	1	Oil line
	25	36-1104787	2	Union pipe bolt
	26	70-4801050	1	Cover
	27	12 OT OCT 37.001.115-75	4	Bushing
	28	M12-6gx40.88.35.019 ГОСТ 7795-70	2	Bolt
	29	6T OCT 37.001.115-75	1	Bushing
	30	B.M6-6gx16.58.019 ГОСТ 17473-80	1	Screw
	31	70-4801030-Б	1	Cock
	32	M12-6gx50.88.35.019 ГОСТ 7796-70	2	Bolt
	33	M10-6gx18.88.35.019 ГОСТ 7796-70	1	Bolt
	34	10 OT OCT 37.001.115-75	2	Bushing
	35	70-4802060	1	Bracket
	36	C 12.01.019 ГОСТ 11371-78	1	Bushing
	37	M10-6gx25.88.35.019 ГОСТ 7796-70	1	Bolt
	38	70-4802048	1	Clip
	39	70-4802050-Б	1	Oil line
	40	70-4802043	1	Capping
	41	70-4802062	1	Hose
	42	6,3x36.019 ГОСТ 397-79	2	Split
	43	70-4802040	1	Oil line
	44	287582-П8	2	Band
	45	297580-П8	2	Buckle
	46	70-4802045	1	Capping
	47	C 16.01.019 ГОСТ 11371-78	1	Bushing
	48*	"HOPMA" TORRO 12-20/9-C6W	2	Clamp

*Variant (instead of positions 44,45,42)

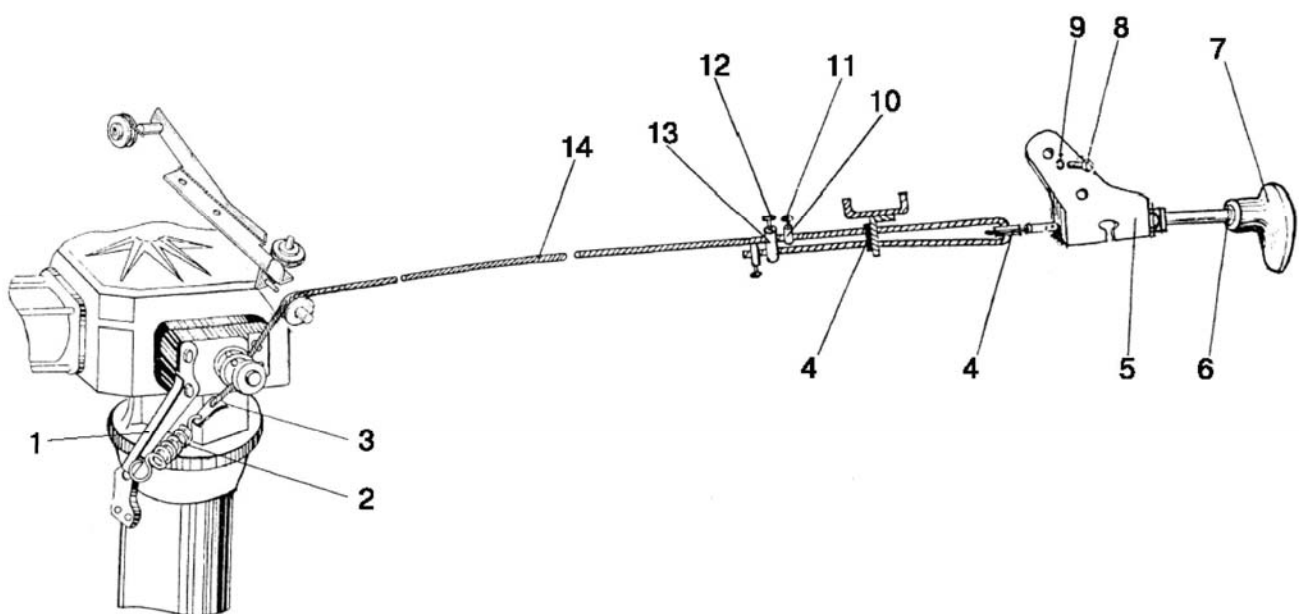


Fig.94. Differential lock control

Group 48. Control of rear axle differential locking and fittings**Subgroup 4803. Differential lock control**

Fig No	Item No	Denomination	Quantity	Designation
94		80-4803010	1	Control
	1	70-4803018-B	1	Bracket
	2	70-4803019	1	Spring
	3	70-4803040	1	Control cable
	4	70-4803022	2	Bushing
	5	80-4803020-A	1	Bracket with draft
	6	M8-6H.6.019 ГОСТ 5915-70	1	Nut
	7	70-4803060	1	Handle
	8	M6-6gx14.88.35.019 ГОСТ 7798-70	2	Bolt
	9	6T OCT 37.001.115-75	2	Bushing
	10	70-1310441	2	Fixer
	11	B.M4-6gx8.58.019 ГОСТ 17473-80	2	Screw
	12	B.M5-6gx12.58.019 ГОСТ 17473-80	2	Screw
	13	70-4803023	1	Muff
	14	70-4803050	1	Control cable

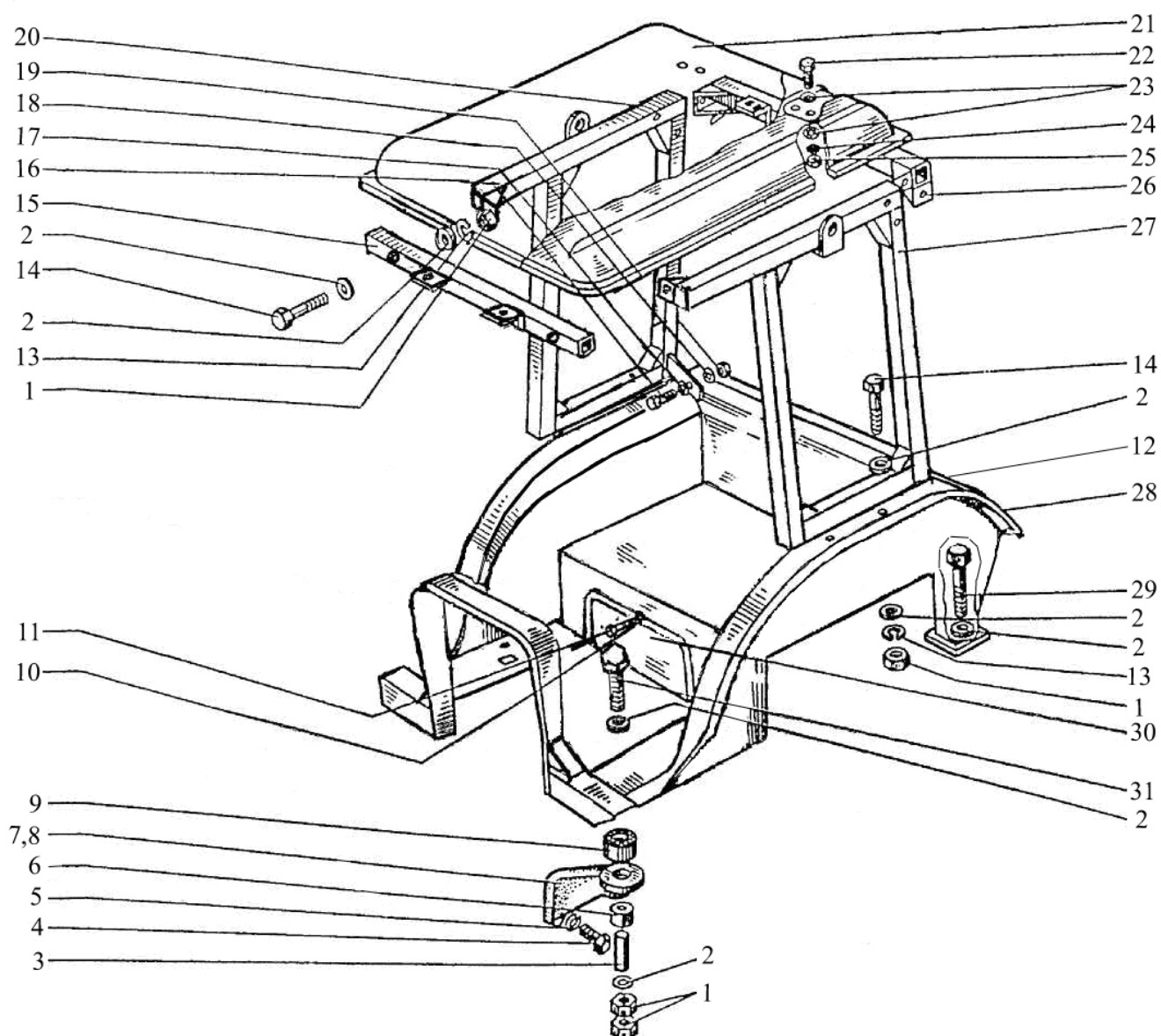


Fig.95. Cabin (canopy-frame)

Group 67. Cabin
Subgroup 6700. Cabin (canopy-frame)

Fig No	Item No	Denomination	Quantity	Designation
95	1	M12-6H.6.019 ГОСТ 5915-70	18	Nut
	2	C 12.01.019 ГОСТ 11371-78	32	Bushing
	3	70-6702306	4	Bushing
	4	M16-6gx50.88.35.019 ГОСТ 7796-70	4	Bolt
	5	16 OT OCT 37.001.115-75	4	Bushing
	6	130-5001364-B	4	Bottom cushion
	7	80-6702069	1	Bracket
	8	80-6702068	1	Bracket
	9	130-5001332	4	Upper cushion
	10	8T OCT 37.001.115-75	2	Bushing
	11	M8-6gx16.88.35.019 ГОСТ 7796-70	2	Bolt
	12	70-6702150	1	Cover
	13	12 OT OCT 37.001.115-75	10	Bushing
	14	M12-6gx75.88.35.019 ГОСТ 7795-70	10	Bolt
	15	70-6709140	1	Front crossbeam
	16	M10-6gx35.88.35.019 ГОСТ 7796-70	2	Bolt
	17	C 10.01.019 ГОСТ 11371-78	2	Bushing
	18	10 OT OCT 37.001.115-75	2	Bushing
	19	M10-6H.6.019 ГОСТ 5915-70	2	Nut
	20	70-6709120	1	Side frame
	21	70-6709036	1	Roffing
	22	M6-6gx20.88.35.019 ГОСТ 7798-70	8	Bolt
	23	C 6.01.019 ГОСТ 6958-78	16	Bushing
	24	6T OCT 37.001.115-75	8	Bushing
	25	M6-6H.6.019 ГОСТ 5915-70	8	Nut
	26	70-6709130	1	Rear crossbeam
	27	70-6709120-01	1	Side frame
	28	70-6702020-03	1	Base
	29	M12-6gx110.58.019 ГОСТ 7795-70	2	Bolt
	30	70-6702078-B	1	Cover
	31	M12-6gx120.58.019 ГОСТ 7795-70	2	Bolt

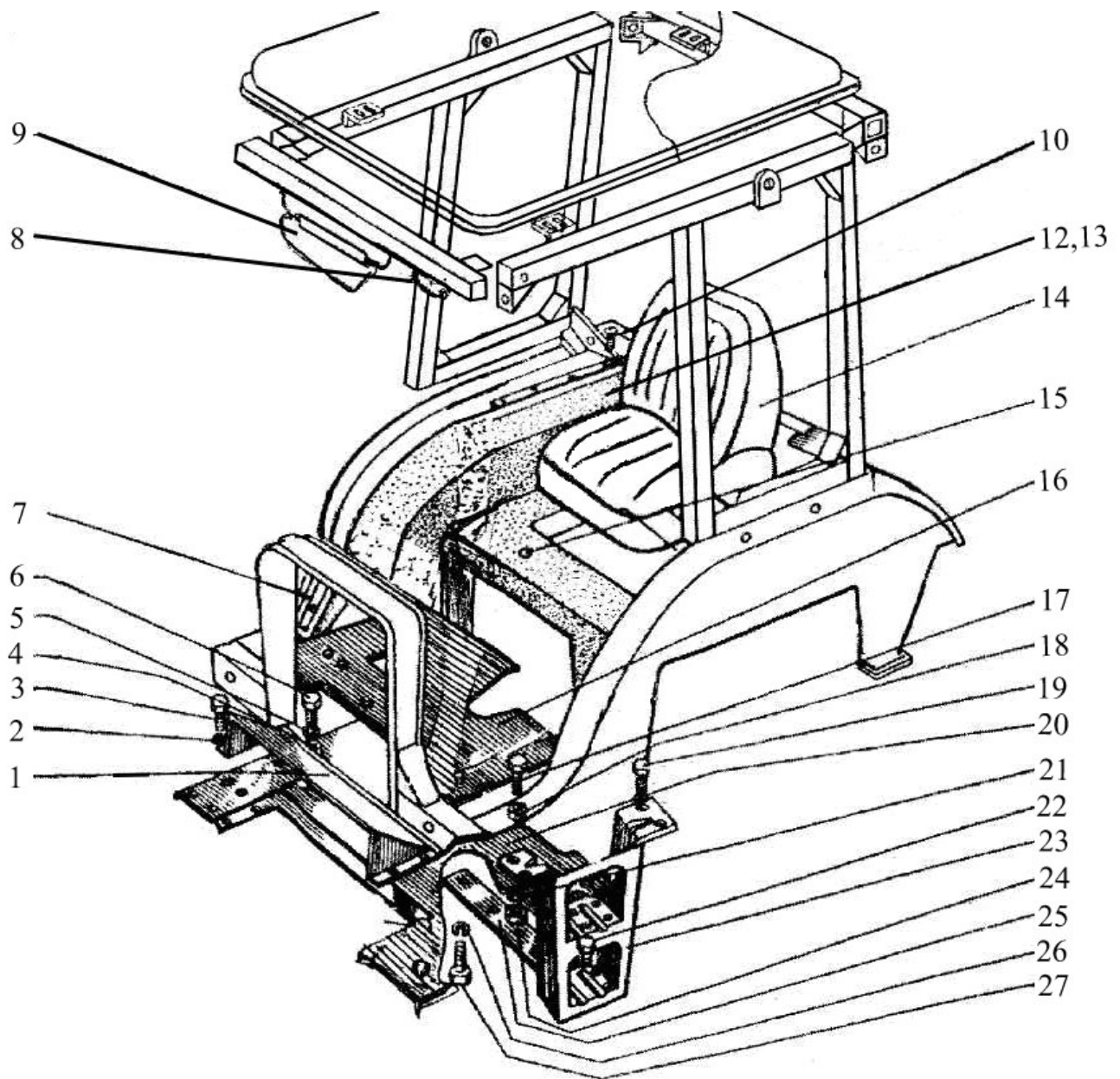


Fig.96. Cabin (canopy-frame)

Group 67. Cabin
Subgroup 6700. Cabin (canopy-frame)

Fig No	Item No	Denomination	Quantity	Designation
96	1	70-6702260	1	Chest
	2	C 6.01.019 ГОСТ 6958-78	4	Bushing
	3	M6-6gx16.88.35.019 ГОСТ 7798-70	4	Bolt
	4	C 8.01.019 ГОСТ 11371-78	5	Bushing
	5	8T OCT 37.001.115-75	5	Bushing
	6	M8-6gx20.88.35.019 ГОСТ 7796-70	5	Bolt
	7	70-6702056	4	Pressing
	8	40-8201010-A	1	Mirror
	9	80П-8204010	1	Visor
	10	4x10.019 ТУ РБ 400024166.001-2000	16	Screw nail
	12	70-6702188-01	1	Covering
	13	70-6702189-01	1	Covering
	14	70-6800000-A-02	1	Seat
	15	70-6702088-01	1	Covering
	16	70-6702074-Б	1	Mat
	17	M10-6gx25.88.35.019 ГОСТ 7796-70	1	Bolt
	18	70-8405114	1	Bushing
	19	M10-6gx20.88.35.019 ГОСТ 7796-70	2	Bolt
	20	70-6702140	1	Panel
	21	10 OT OCT 37.001.115-75	5	Bushing
	22	M10-6H.6.019 ГОСТ 5915-70	5	Nut
	23	70-8405112	1	Footboard
	24	16 OT OCT 37.001.115-75	1	Bushing
	25	70-8405113	1	Support
	26	16 OT OCT 37.001.115-75	1	Bushing
	27	M16-6gx32.88.35.019 ГОСТ 7796-70	1	Bolt

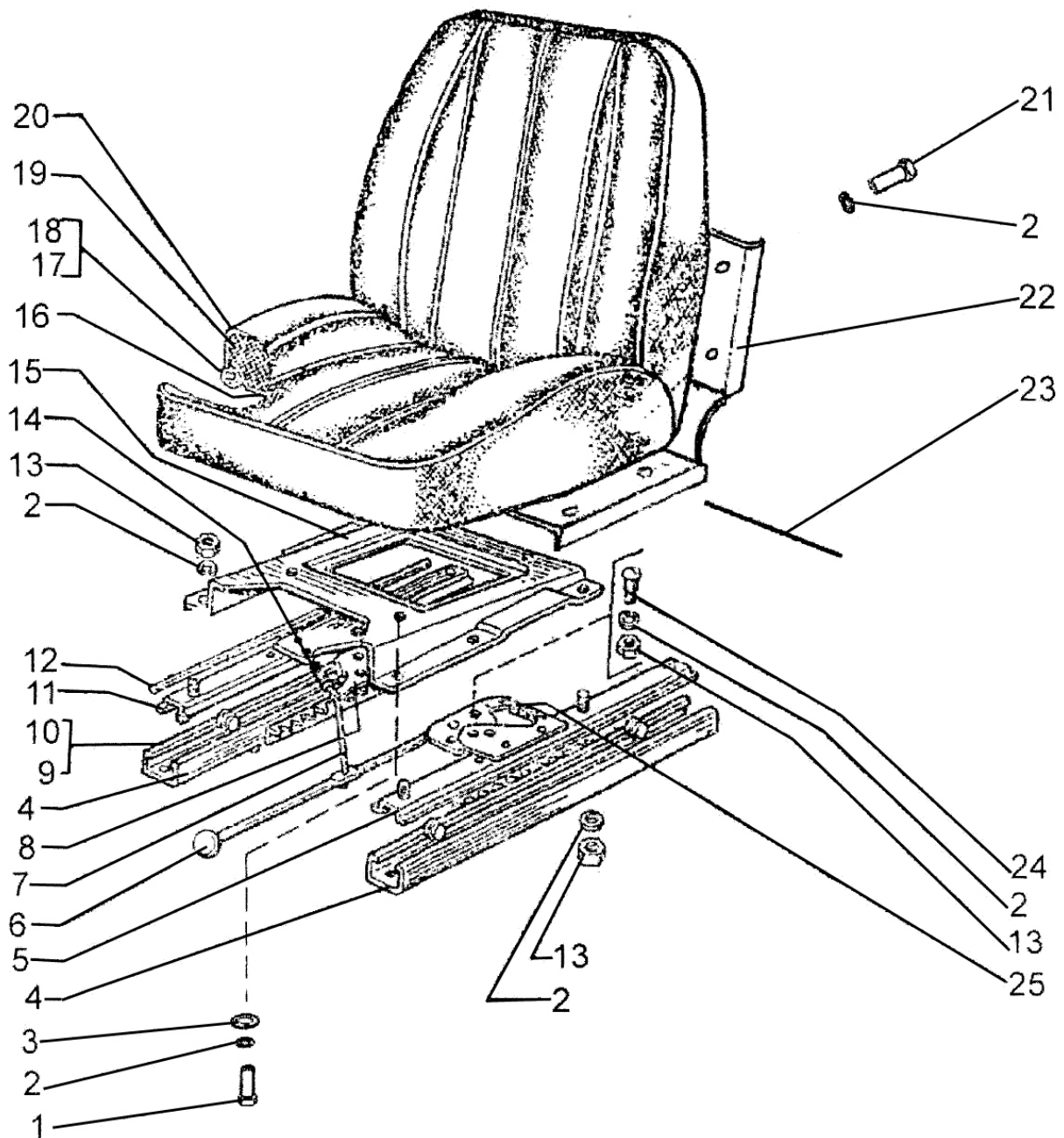


Fig.97. Operator's seat

Group 68. Seat
Subgroup 6800. Operator's seat

Fig No	Item No	Denomination	Quantity	Designation
97	1	M8-6gx35.88.35.019 ГОСТ 7796-70	4	Bolt
	2	8T OCT 37.001.115-75	22	Bushing
	3	C 8.01.019 ГОСТ 11371-78	2	Bushing
	4	70-6804420	2	Guide arm
	5	70-6804410	1	Guide arm
	6	70-6804430	1	Stopper
	7	70-6804305	1	Buckle
	8	70-6804432	1	Stopper
	9	010-015-30-2-3 ГОСТ 18829-73/ ГОСТ 9833-73	4	Ring
	10	70-6804391	4	Roller
	11	70-6804415	1	Guide arm
	12	70-6804394-Б	4	Stick
	13	M8-6H.6.019 ГОСТ 5915-70	7	Nut
	14	70-6804393	1	Spring
	15	70-6804014-A	1	Bracket
	16	70-6803060	2	Base
	17	C 5.01.019 ГОСТ 11371-78	18	Bushing
	18	80-6809041	9	Clip
	19	80B-6804007	2	Cushion
	20	70-6803020	2	Cover
	21	M8-6gx16.88.35.019 ГОСТ 7796-70	4	Bolt
	22	50-6800030	1	Core
	23	70-6803012	2	Axle
	24	70-6804392	1	Axle
	25	70-6804393	1	Spring

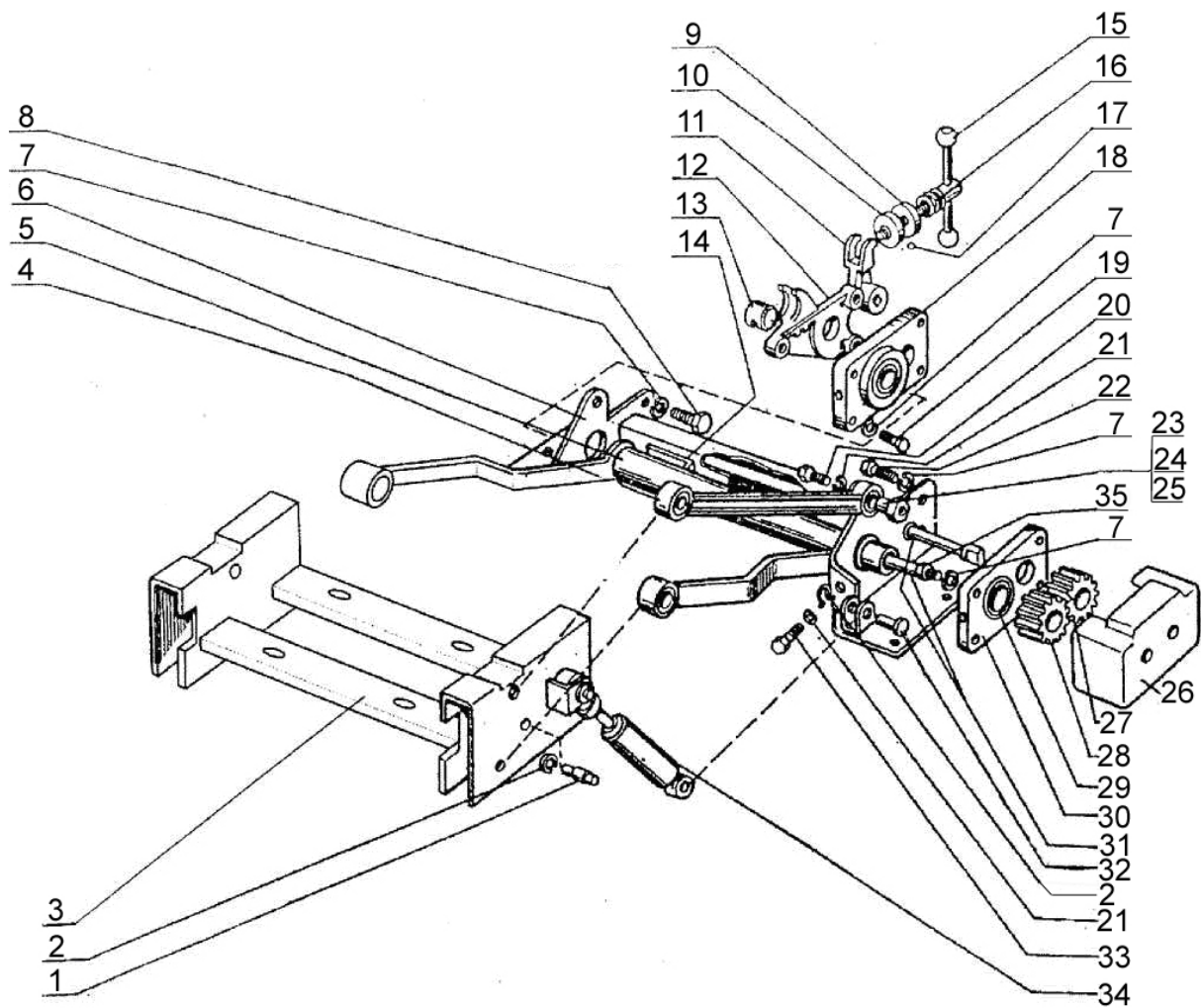


Fig.98. Seat. Adjusting mechanism

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

Fig No	Item No	Denomination	Quantity	Designation
98	1	85-6801012	1	Pin
	2	70-6801307	3	Bushing
	3	70-6801410	1	Core
	4	85-6801360A	1	Lever
	5	85-6801320A	1	Stabilizer
	6	85-6801310	1	Case
	7	8T OCT 37.001.115-75	7	Bushing
	8	M8-6gx40.88.35.019 ГОСТ 7795-70	2	Bolt
	9	70-6801013	1	Bushing
	10	70-6801011	1	Split key
	11	70-6801302	1	Lever
	12	70-6801301	1	Cover
	13	70-6801008	1	Nut
	14	ПР-41	1	Shock absorber
	15	70-6801080	1	Screw
	16	130-3520057-Б	1	Spring
	17	5,0-100 ГОСТ 3722-81	11	Ball
	18	85-6801330	1	Support
	19	M8-6gx25.88.35.019 ГОСТ 7796-70	1	Bolt
	20	M10-6gx35.88.35.019 ГОСТ 7796-70	6	Bolt
	21	10 OT OCT 37.001.115-75	10	Bushing
	22	M8-6gx55.88.35.019 ГОСТ 7795-70	2	Bolt
	23	85-6801006	6	Bushing
	24	85-6801309	2	Bushing
	25	M10-6H.6.019 ГОСТ 5915-70	1	Nut
	26	85-6801340	1	Housing
	27	3x15,8A3 ГОСТ 6870-81	1	Roller
	28	70-6801303-Б	2	Connector
	29	85-6801305	2	Bushing
	30	85-6801330	1	Support
	31	70-6801304	2	Torsion bar
	32	85-6801012-01	1	Pin
	33	M10-6gx18.88.35.019 ГОСТ 7796-70	2	Bolt
	34	80-6809100	1	Shock absorber
	35	M8-6gx35.88.35.019 ГОСТ 7796-70	2	Bolt

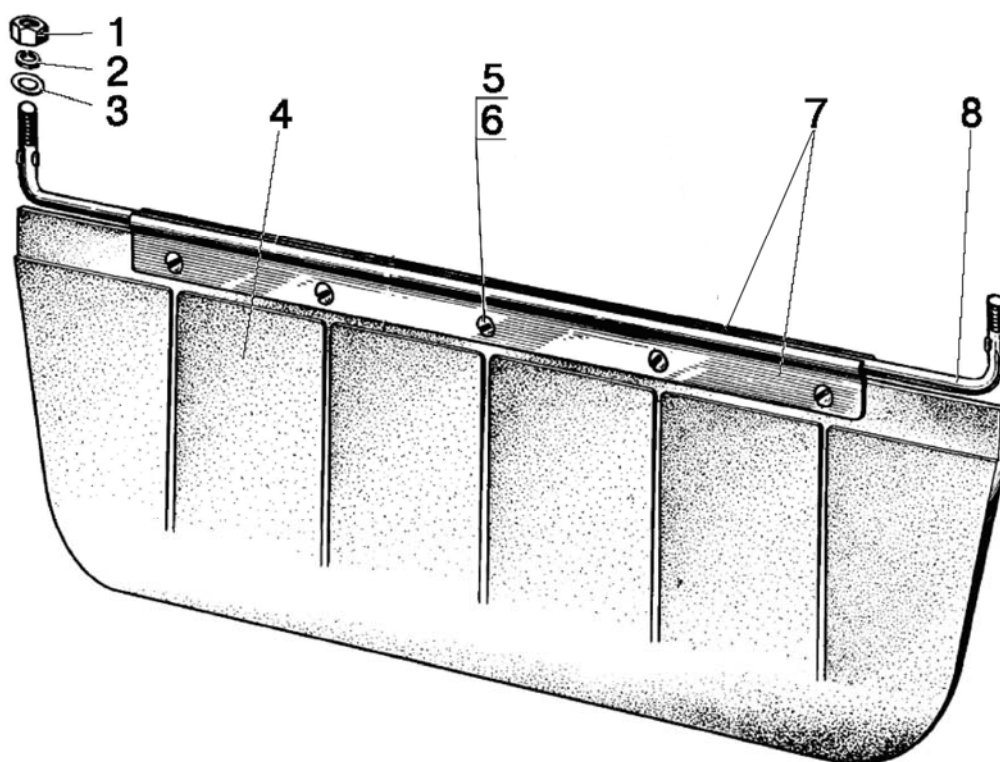


Fig.99. Sun visor

Group 82. Cabin accessories**Subgroup 8204. Sun visor**

Fig No	Item No	Denomination	Quantity	Designation
99		80П-8204010	1	Sun visor (4-8)
	1	M6-6H.6.019 ГОСТ 5915-70	2	Nut
	2	6Т OCT 37.001.115-75	2	Bushing
	3	С 6.01.019 ГОСТ 6958-78	2	Bushing
	4	70-8204011-A	1	Visor
	5	B.M4-6gx10.58.019 ГОСТ 17473-80	5	Screw
	6	M4-6H.6.019 ГОСТ 5927-70	5	Nut
	7	70-8204014	2	Holder
	8	80П-8204011	1	Axle

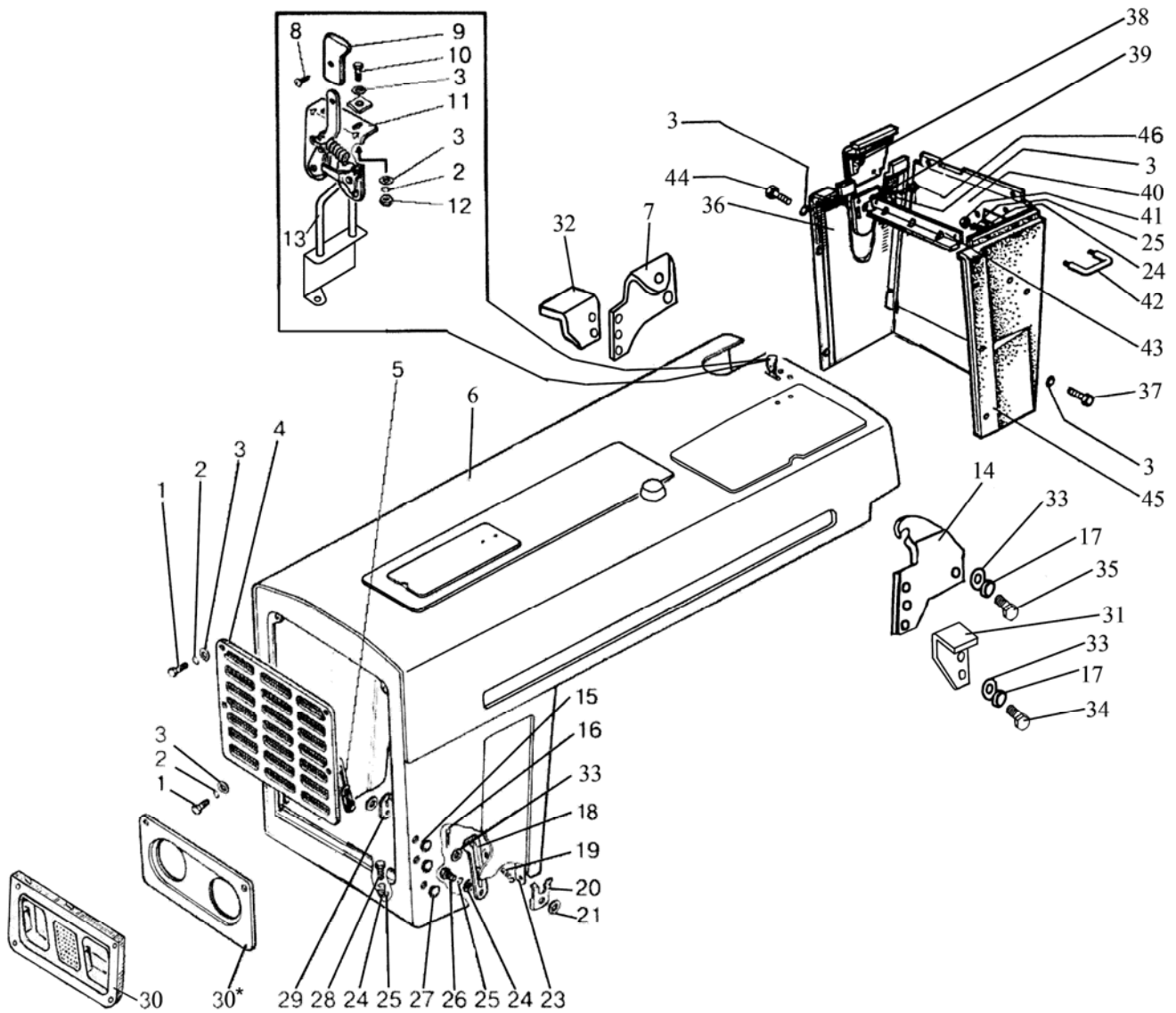


Fig.100. Radiator case. Hood

Group 84. Fin assembly
Subgroup 8401, 8402. Radiator facing. Bonnet

Fig No	Item No	Denomination	Quantity	Designation
100		80-8400005-08	1	Facing
	1	M6-6gx35.88.35.019 ГОСТ 7798-70	6	Bolt
	2	6T OCT 37.001.115-75	8	Bushing
	3	C 6.01.019 ГОСТ 6958-78	22	Bushing
	4	80-8401070	1	Grid
	5	50-8400016-A	1	Sector
	6	80-8402020-01	1	Bonnet
	7	80-8402060-B	1	Bracket
	8	4x10.019	1	Screw nail
	9	80-6105056	1	Handle
	10	M6-6gx16.88.35.019 ГОСТ 7798-70	2	Bolt
	11	80-8402410	1	Lock
	12	M6-6H.6.019 ГОСТ 5915-70	2	Nut
	13	80-8402420-A	1	Bracket
	14	80-8402065-B	1	Bracket
	15	36-4603079-B2	4	Plug
	16	3,2x25.019 ГОСТ 397-79	2	Split
	17	8T OCT 37.001.115-75	6	Bushing
	18	50-8400017-A	1	Sector
	19	50-1310158-B	1	Spring
	20	80-8401004-01	1	Holding
	21	C 16.01.019 ГОСТ 11371-78	2	Bushing
	23	80-8400014	1	Lever
	24	C 10.01.019 ГОСТ 11371-78	8	Bushing
	25	10 OT OCT 37.001.115-75	8	Bushing
	26	50-8400024	2	Bolt
	27	50-2401071	2	Plug
	28	M10-6gx25.88.35.019 ГОСТ 7796-70	4	Bolt
	29	80-8401004	1	Holding
	30	80-8401080-B	1	Grid
	30*	80-8401080	1	Grid
	31	80-8402067-B	1	Support
	32	80-8402067-B-01	1	Support
	33	C 8.01.019 ГОСТ 11371-78/6958-78	6/3	Bushing
	34	M8-6gx16.88.35.019 ГОСТ 7796-70	4	Bolt
	35	M8-6gx20.88.35.019 ГОСТ 7796-70	2	Bolt
	36	70-8402220	1	Side frame
	37	M6-6gx25.88.35.019 ГОСТ 7798-70	6	Bolt
	38	70-8402096	1	Cover
	39	70-8402098	1	Gland
	40	70-8402230	1	Rear wall
	41	M10-6H.6.019 ГОСТ 5915-70	2	Nut
	42	70-8202035	1	Handhold
	43	80-6700156	1	Lining
	44	M6-6gx30.88.35.019 ГОСТ 7798-70	4	Bolt
	45	70-8402083	1	Side frame
	46	M6-6gx20.88.35.019 ГОСТ 7798-70	2	Bolt

* Variant (for Pakistan)

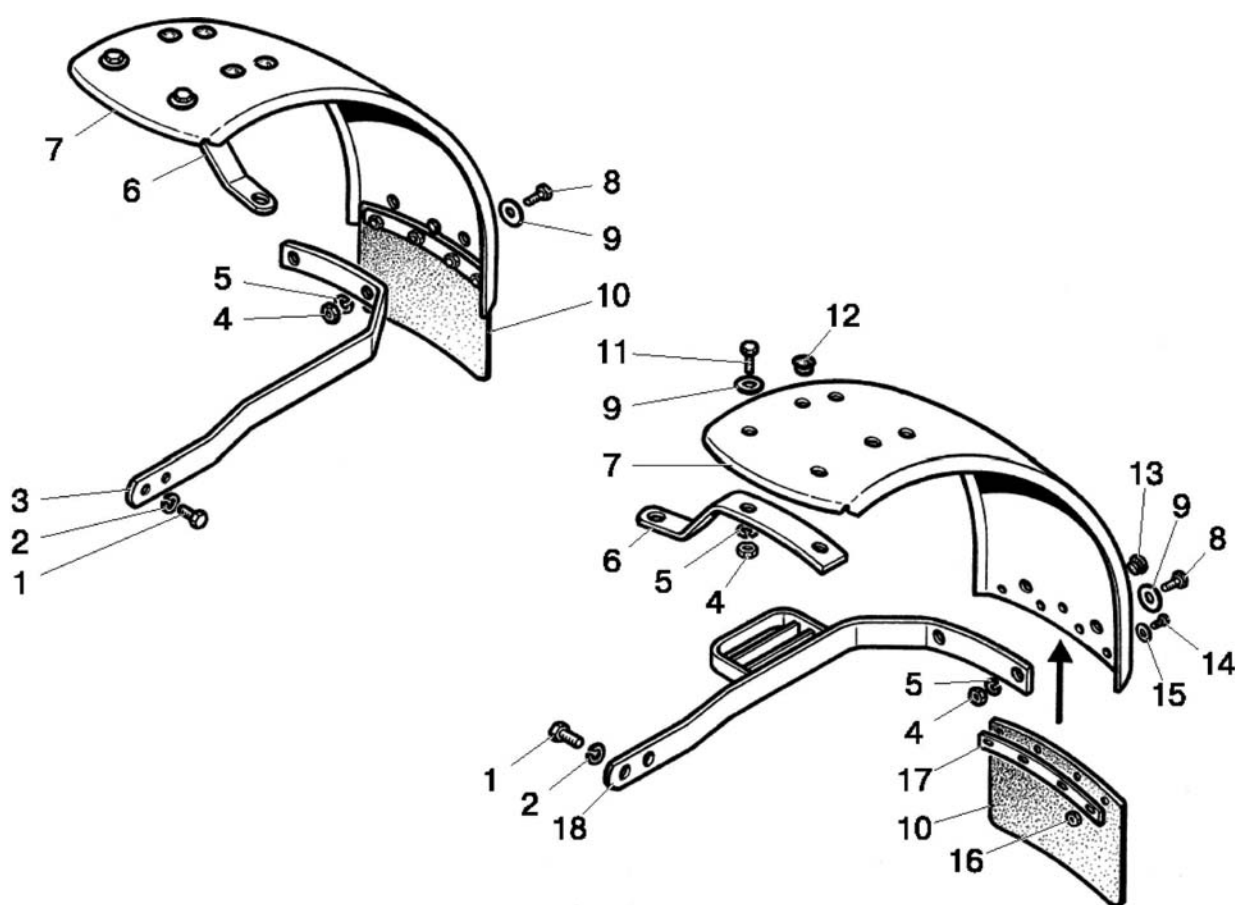


Fig.101. Front fenders (For tractors «Belarus-510/510.1/520»)

Group 84. Fin assembly
Subgroup 8403. Front fenders (For tractors «Belarus-510/510.1/520»)

Fig No	Item No	Denomination	Quantity	Designation
101	1	M16-6gx32.88.35.019 ГОСТ 7796-70	4	Bolt
	2	16 OT OCT 37.001.115-75	4	Bushing
	3	80-8403016-01	1	Bracket
	4	M12-6H.6.019 ГОСТ 5915-70	8	Nut
	5	12 OT OCT 37.001.115-75	8	Bushing
	6	80-8403014	2	Bracket
	7	80-8403041	2	Fender (metal)
	8	M12-6gx35.88.35.019 ГОСТ 7796-70	4	Bolt
	9	C 12.01.019 ГОСТ 6958-78	8	Bushing
	10	80-8403030	2	Shutter
	11	M12-6gx30.88.35.019 ГОСТ 7796-70	4	Bolt
	12	500A-8507096	8	Plug
	13	50-8400018	2	Buffer
	14	B.M6-6gx16.58.019 ГОСТ 17473-80	8	Screw
	15	C 6.01.019 ГОСТ 11371-78	8	Bushing
	16	M6-6H.6.019 ГОСТ 5915-70	8	Nut
	17	80-8403013	2	Strip
	18	80-8403015	1	Bracket
	Variant			
	1	M16-6gx32.88.35.019 ГОСТ 7796-70	4	Bolt
	2	16 OT OCT 37.001.115-75	4	Bushing
	3	80-8403016-01	1	Bracket
	4	M12-6H.6.019 ГОСТ 5915-70	8	Nut
	5	12 OT OCT 37.001.115-75	8	Bushing
	6	80-8403014	2	Bracket
	7	80-8403041-A	2	Fender (plastic)
	8	M12-6gx35.88.35.019 ГОСТ 7796-70	4	Bolt
	9	C 12.01.019 ГОСТ 6958-78	8	Bushing
	11	M12-6gx30.88.35.019 ГОСТ 7796-70	4	Bolt
	18	80-8403015	1	Bracket

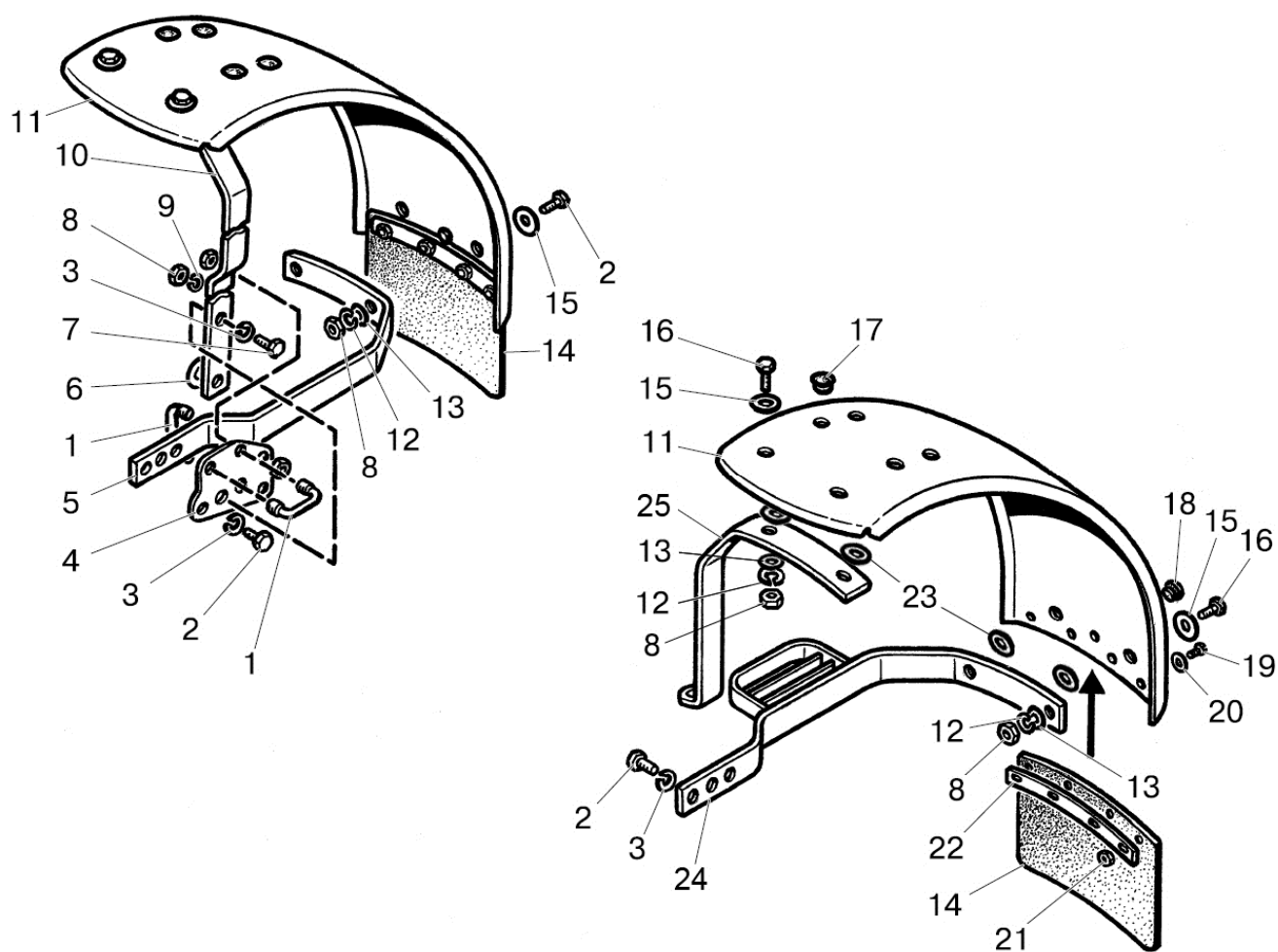


Fig.102. Front fenders (For tractors «Belarus-512/512.1/522»)

Group 84. Fin assembly**Subgroup 8403. Front fenders (For tractors «Belarus-512/512.1/522»)**

Fig No	Item No	Denomination	Quantity	Designation
102		82-8403010-03/-04	1	Fender (1-25)
	1	52-8403018	2	Duckboard
	2	M12-6gx35.88.35.019 ГОСТ 7796-70	6	Bolt
	3	12 OT OCT 37.001.115-75	7	Bushing
	4	52-8403011	1	Plate
	5	82-8403021	1	Bracket
	6	C 12.01.019 ГОСТ 11371-78	1	Bushing
	7	M12-6gx45.88.35.019 ГОСТ 7796-70	1	Bolt
	8	M10-6H.6.019 ГОСТ 5915-70	12	Nut
	9	10 OT OCT 37.001.115-75	4	Bushing
	10	82-8403016	1	Bracket
	11	80-8403041	2	Fender (metal)
	12	10Л OCT 37.001.115-75	8	Bushing
	13	C 10.01.019 ГОСТ 11371-78	8	Bushing
	14	80-8403030	2	Shutter
	15	C 10.01.019 ГОСТ 6958-78	8	Bushing
	16	M10-6gx35.88.35.019 ГОСТ 7796-70	8	Bolt
	17	500A-8507096	8	Plug
	18	50-8400018	2	Plug
	19	B.M6-6gx16.58.019 ГОСТ 17473-80	8	Screw
	20	C 6.01.019 ГОСТ 11371-78	8	Bushing
	21	M6-6H.6.019 ГОСТ 5915-70	8	Nut
	22	80-8403013	2	Strip
	23	50-1301165	8	Gasket
	24	82-8403020	1	Bracket
	25	82-8403016-Б	1	Bracket
Variant (plastic fenders)				
	82-8403010-A/-01	1	Fender (1-13, 15, 16, 24, 25)	
1	52-8403018	2	Duckboard	
2	M12-6gx35.88.35.019 ГОСТ 7796-70	2	Bolt	
3	12 OT OCT 37.001.115-75	7	Bushing	
4	52-8403011	1	Plate	
5	82-8403021	1	Bracket	
6	C 12.01.019 ГОСТ 11371-78	1	Bushing	
7	M12-6gx45.88.35.019 ГОСТ 7796-70	1	Bolt	
8	M10-6H.6.019 ГОСТ 5915-70	12	Nut	
9	10 OT OCT 37.001.115-75	4	Bushing	
10	82-8403016	1	Bracket	
11	80-8403041-A-01	2	Fender (metal)	
12	10 OT OCT 37.001.115-75	8	Bushing	
13	C 10.01.019 ГОСТ 11371-78	8	Bushing	
15	C 10.01.019 ГОСТ 6958-78	8	Bushing	
16	M10-6gx35.88.35.019 ГОСТ 7796-70	8	Bolt	
24	82-8403020	1	Bracket	
25	82-8403016-Б	1	Bracket	

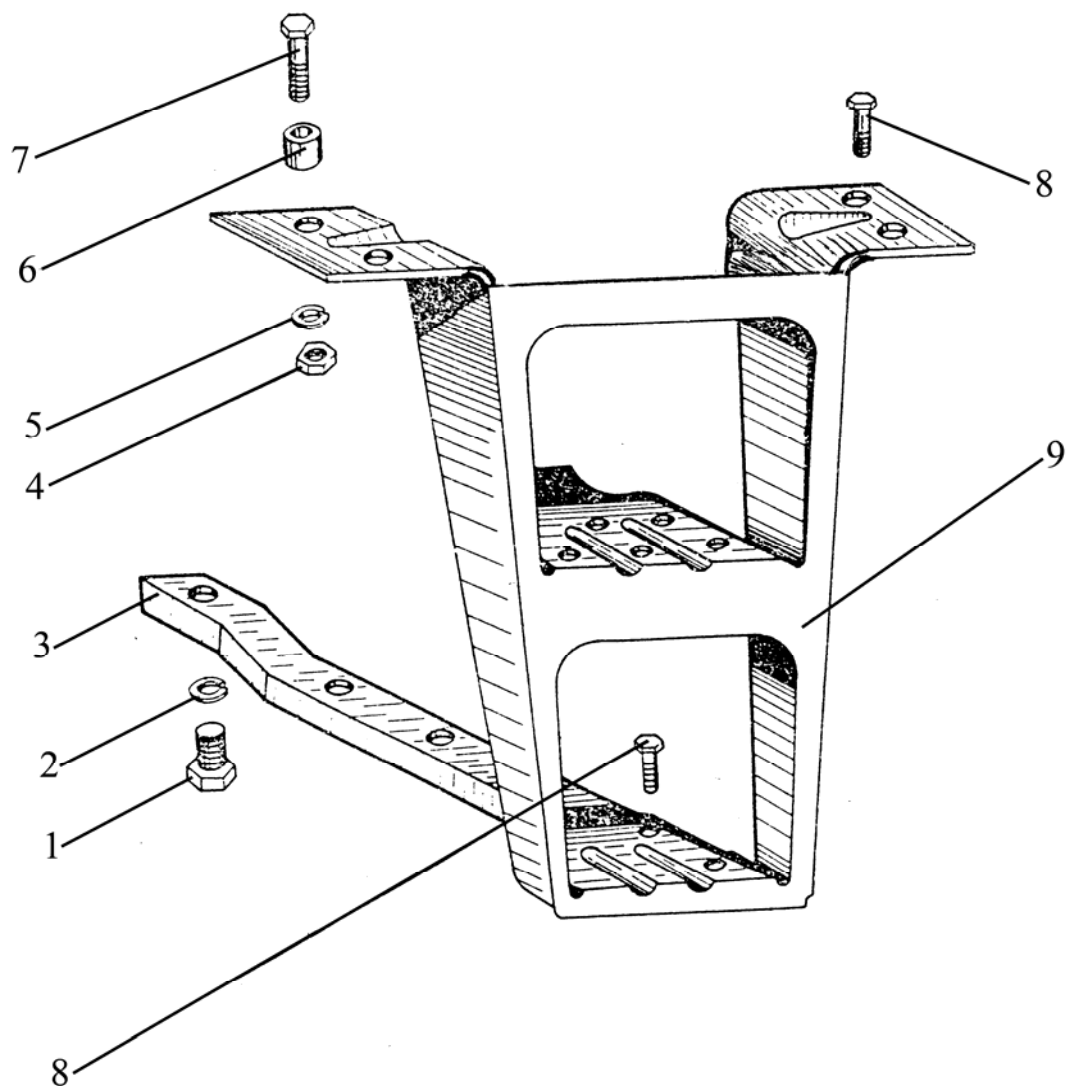


Fig.103. Foot step

Group 84. Fin assembly
Subgroup 8405. Foot step

Fig No	Item No	Denomination	Quantity	Designation
103		70-8405110	1	Foot step (1-9)
	1	M16-6gx32.88.35.019 ГОСТ 7796-70	1	Bolt
	2	16 OT OCT 37.001.115-75	1	Bushing
	3	70-8405113	1	Support
	4	M10-6H.6.019 ГОСТ 5915-70	5	Nut
	5	10 OT OCT 37.001.115-75	5	Bushing
	6	70-8405114	2	Bushing
	7	M10-6gx25.88.35.019	2	Bolt
	8	M10-6gx20.88.35.019	3	Bolt
	9	70-8405112	1	Foot step