
BELARUS

1523.5

1523.5-0000010 KDS

CATALOGUE OF PARTS AND ASSEMBLY UNITS

2013

BELARUS_____ ***1523.5***

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INTRODUCTION

The present catalogue contains the whole range of assembly units and parts for tractors "BELARUS-1523.5", equipped with engine D-260.1S3B. The engine is a 4-stroke piston six-cylinder inner combustion engine with in-line vertical arrangement of cylinders, with direct injection of diesel fuel and compression ignition, corresponding to environmental requirements of Stage 3B.

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 THIS 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 "Rod" in the number of 4 pieces per 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 one 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 B, B1, B2, V, G, D, 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-B1-01 (1st cylinder pipe)" and "240-1104300-B1-02 (2nd cylinder pipe)" have different structural variations and are **not interchangeable**.

Some parts, taken from previous tractor models, have alphanumeric designations. For example, "D18-055-A-01 Seal ring".

APPLICATION

The tractor “BELARUS-1523.5” is intended for performance of various general –purpose agricultural operations, for basic and preseeding treatment of soil, planting of crops and other cultures in a structure with wide-span and combined units, for harvesting operations in a structure with heavy-duty harvesting complexes that are designed for forage conservation, crop harvesting, for transport and loading operations.

The tractor “BELARUS-1523.5” is a general-purpose wheeled tractor of traction class 3 with the wheel formula 4X4.

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Adopted abbreviations and conventional notations:
GOST – State Standard
OST – Industry-specific standard
TU – Technical Specifications
TU RB – Technical Specifications of the Republic of Belarus
MMZ – Minskiy Motorny Zavod (Minsk Motor Plant)
KDS – Catalogue of parts and assembly units
KD – Catalogue of parts

Russian (Cyrillic Alphabet) Symbols and Designations used in Catalogue and Corresponding English Equivalents

Russian (Cyrillic Alphabet) Symbols	English Equivalents	Russian (Cyrillic Alphabet) Symbols	English Equivalents
А	A	ШП	SHP
Б	B	...K3C...	...KZS...
В	V	СЧ-114Б; СШ	SCH-114B; SSH
Г	G	ХЧП 10; ХЧМ	HCHP 10; HCHM
Гг	Gg	ТКРН-3	TKRN-3
Д, Ду	D, Du	АМОВТ	AMOVТ
Ж	ZH	ХС-26	HS-26
З	Z	ПКШ 1/8"	PKSH 1/8"
И	I	Р75-В3ВР	R75-V3VR
К; КГ 1/8"	K; KG1/8"	ЯВАГ	YAVAG
Л	L	АУШ, АДЮИ	AUSH, ADYUI
М, МКПВ	M, MKPV	АШ	ASH
Н	N	ЕМУШ	EMUSH
П; 80П-...; ПР, ПЭ	P; 80P-...; PR, PE	УС	US
Р; Р80; РТ; РП-70; РД, РАУС	R; R80; RT; RP-70; RD, RAUS	ШС	SHS
С; 80С-...; С15, САКД	S; 80S-...; S15, SAKD	Ф50	F50
Т; ТС	T; TS	ВК	VK
У; 70У-...; УМЖ, УКФ,	U; 70U-...; UMZH, UKF	ШЦК	SHCK
Х; ХЧП	H; HCHP	ПК КГ 3/8"	PK KG 3/8"
Ц; Ц125, ЦИКС	TS; TS 125 TSIKS	ДОТ	DOT
Ч; СЧ	CH; SCH	ТД, ТИИР	TD, TIIR
Ш	SH	ЛБИЕ, ЛЯКШ	LBIE LYAKSH
НМШ; НШ	NMSH; NSH	ДАДМ	DADM
Ф, ФП	F, FP	ДУОТ	DUOT
ШП 8, ШЧ8	SHP 8, SHCH 8	ЭФО	EFO

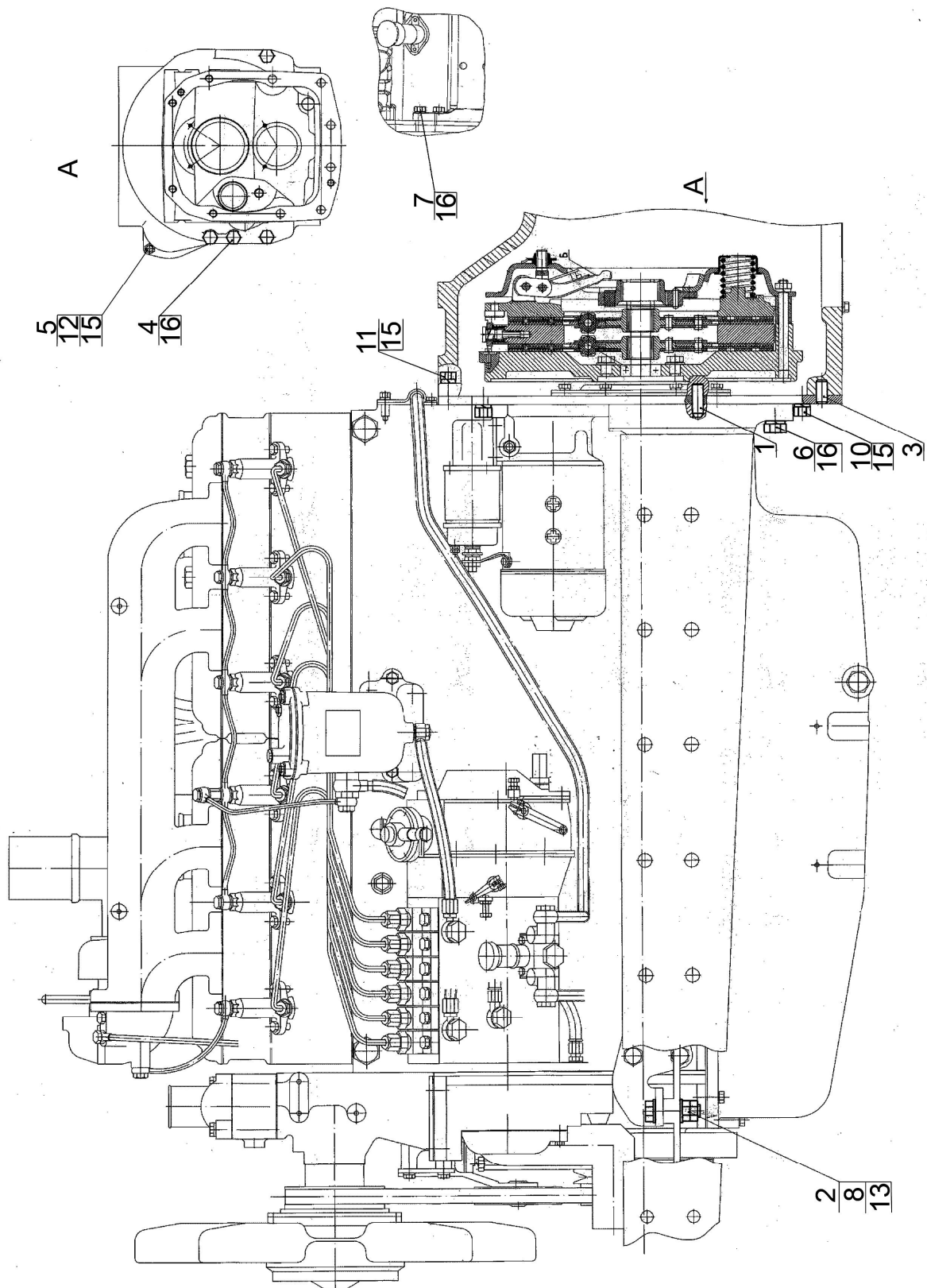


Fig. 10.1 Engine assembly

**Group 10. Diesel engine mechanisms
Subgroup 1001. Engine assembly**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
10.1		1221-1001001-01	1	Engine assembly
	1	50-1601352	2	Dowel pin
	2	52-2301065	4	Washer
	3	D01-015	2	Dowel pin
	4	70-2800016	4	Bolt
	5		1	Bolt M12-6gh75.88.35.019 GOST 7795-70
	6		4	Bolt M16-6gh60.88.35.019 GOST 7795-70
	7		2	Bolt M16-6gh70.88.35.019 GOST 7795-70
	8		2	Bolt M16-6gh75.88.35.019 GOST 7795-70
	10		3	Bolt M12-6gh30.88.35.019 GOST 7796-70
	11	220-2401022	1	Bolt
	12		1	Nut M12-6N.6.019 GOST 5915-70
	13		4	Nut M16-6N.6.019 GOST 5915-70
	15		5	Washer 12 OT OST 37.001.115-75
	16		10	Washer 16 OT OST 37.001.115-75

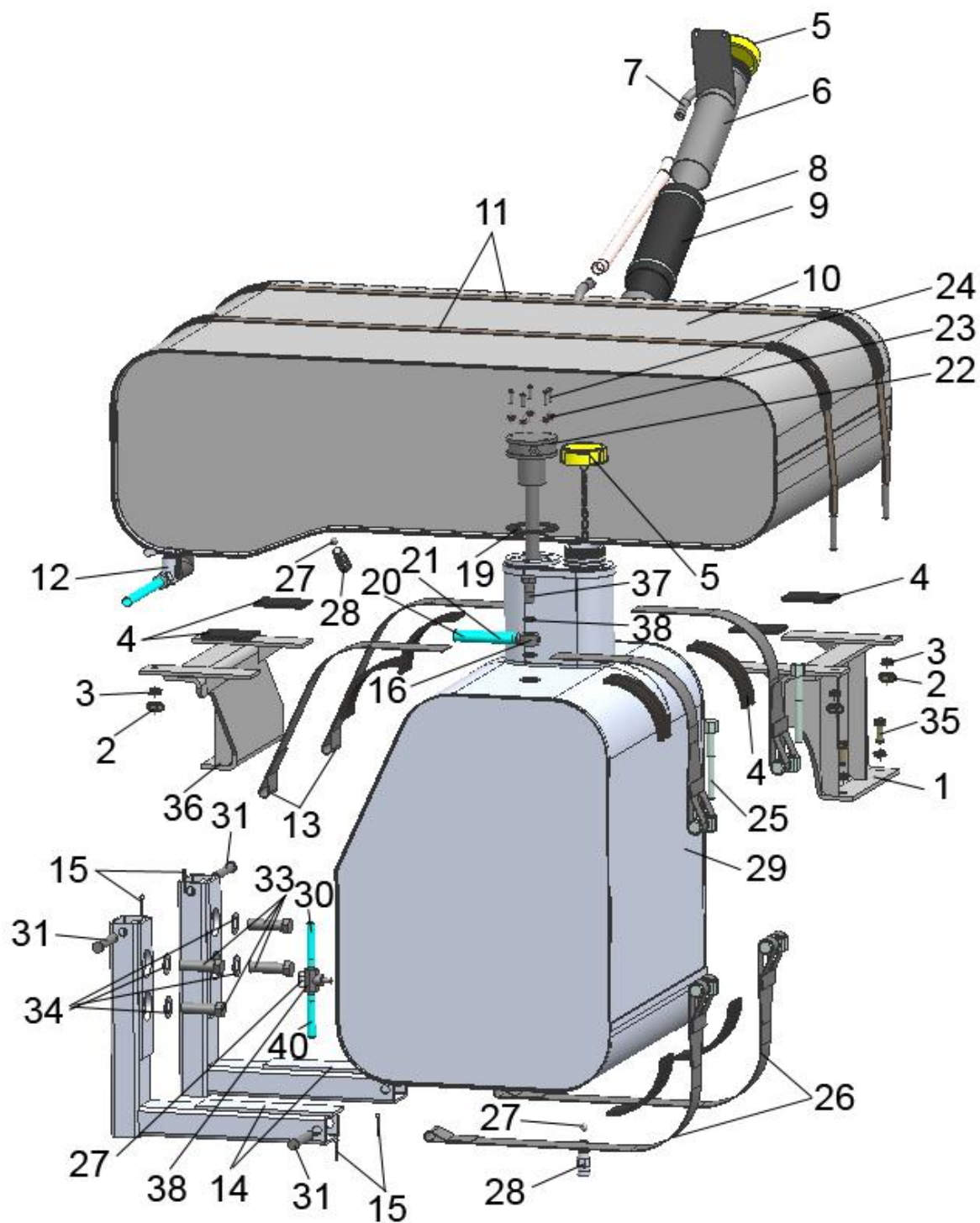


Fig. 11.1 Fuel tanks

Group 11. Fuel feed system
Subgroup 1101. Fuel tanks

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
11.1		1523.5-1101000	1	Fuel tank
	1	1522-1101080	1	Left bracket
	2		4	Nut M10-6N.6.019 GOST 5915-70
	3		8	Washer 10 OT OST 37.001.115-75
	4	PR-43-02	10	Sealant UM6a
	5	082-1103010	2	Plug
	6	1522-1101060	1	Neck
	7	85-1101002	1	Pipe
	8	HS-66	2	Clamp
	9	70-1101035-B-01	1	Hose pipe
	10	1522-1101010	1	Tank
	11	1522-1101090	2	Clamp
	12		1	Valve PP6-1-O TU RB 03973223.008-2000
	13	1522-1101140-01	2	Band
	14	1522-1101118	4	Gasket
	15		4	Split pin 3,2h18.019 GOST 397-79
	16	3522-1101310	2	Fitting
	19	1522-3806026	1	Gasket
	20	3022-1101002-01	2	Fuel line
	21	16-27	4	Clamp with worm thread
	22	DOT.6804-02	1	Fuel volume sensor
	23	80-1101067	5	Washer
	24		5	Screw V.M5-6gh35.58.019 GOST 17475-80
	25	1522-1101005	2	Bolt
	26	1522-1101140	2	Band
	27	11,112-100	2	Ball
	28	822-1101081	2	Fitting
	29	1522.5-1101210	1	Tank
	30	920-1101210-03	1	Pipe
	31	1522-1101125	4	Pin
	32	1522-1101136-03	2	Pipe
	33		4	Bolt M16-6gh50.88.35.019 GOST 7796-70
	34		4	Washer 16 OT OST 37.001.115-75
	35		4	Bolt M10-6gh25.88.35.019 GOST 7796-70
	36	1522-1101070	1	Bracket
	37	D18-051	1	Bolt
	38	RM14	5	Washer
	40	920-1101250-01	1	Fuel line

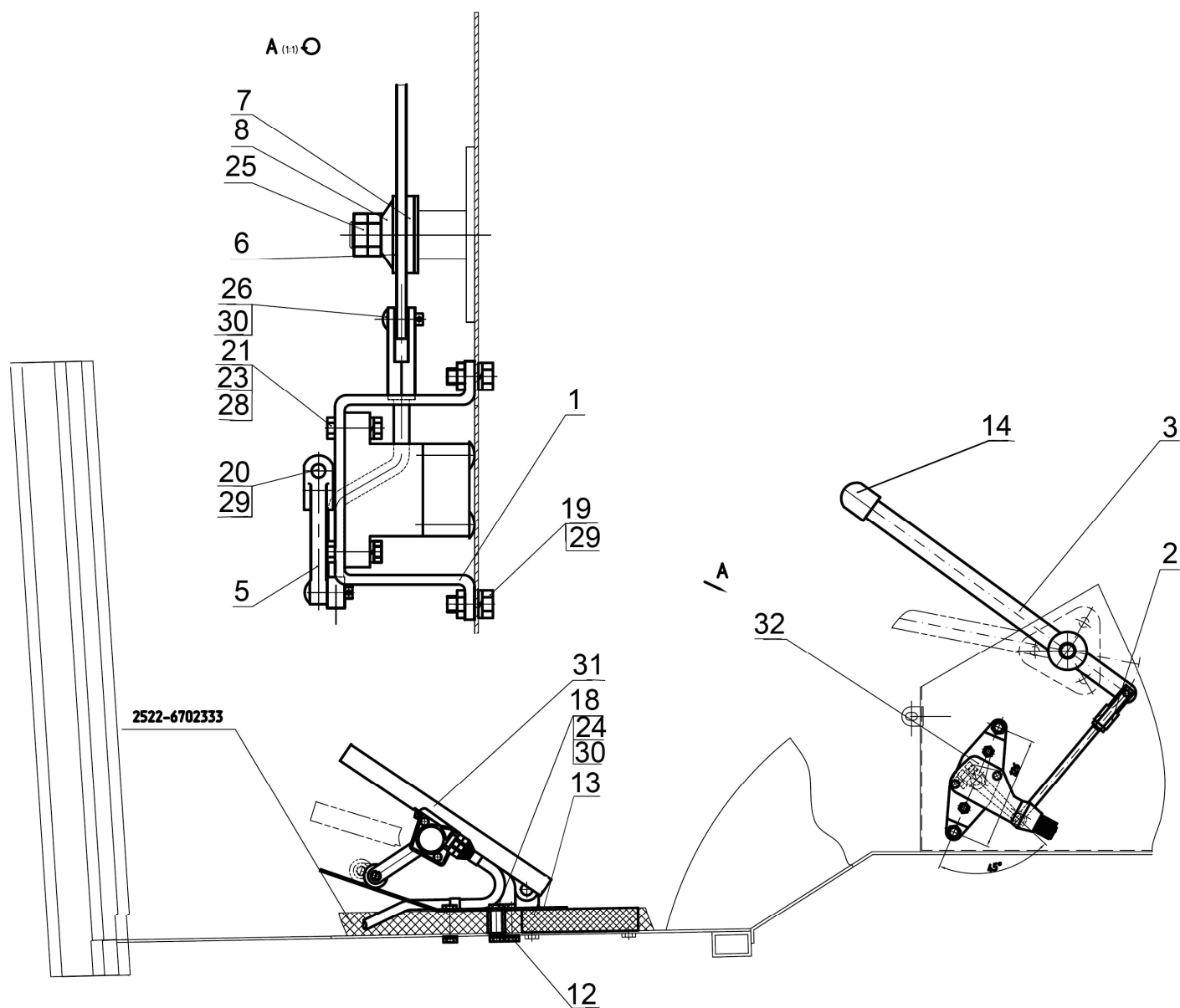


Fig. 11.2 Fuel feed control

Group 11. Fuel feed system
Subgroup 1108. Fuel feed control

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
11.2		2022D-1108000	1	Fuel feed control
	1	2022D-1108015	1	Bracket
	2	2022D-1108020	1	Rod
	3	1522-1108350	1	Handle
	5	3022-1108003	1	Lever
	6	80-1108028	2	Washer
	7	80-1108178	1	Friction washer
	8	80V-1108347	1	Disc spring
	11		2	Pin 6h22 OST 37.001.163-97
	12	2522-6702066	3	Bushing
	13	2522-6702318	1	Blind plug
	14	A13.11.000	1	Handle
	18		3	Bolt M8-6gh55.88.35.019 GOST 7795-70
	19		2	Bolt M8-6gh20.88.35.019 GOST 7795-70
	20		1	Bolt M8-6gh25.88.35.019 GOST 7795-70
	21		2	Bolt M6-6gh25.88.35.019 GOST 7798-70
	23		2	Nut M6-6N.6.019 GOST 5915-70
	24		3	Nut M8-6N.6.019 GOST 5915-70
	25		2	Nut M14h1,5-6N.04.019 GOST 5916-70
	26		2	Split pin 2h12.019 GOST 397-79
	28		2	Washer 6T OST 37.001.115-75
	29		6	Washer 8T OST 37.001.115-75
	30		3	Washer S8.01.019 GOST 11371-78
	31		1	Electronic pedal EAAX-EXP0023 or Electronic pedal 225360 or Electronic pedal PE-35-01 TU BY 300044189.114-2009 OAO "Izmeritel", Novopolotsk City
	32		1	Hand control sensor S-01 TU BY 300044189.115-2009 OAO "Izmeritel", Novopolotsk City or Hand control sensor EAAX-EFT1743

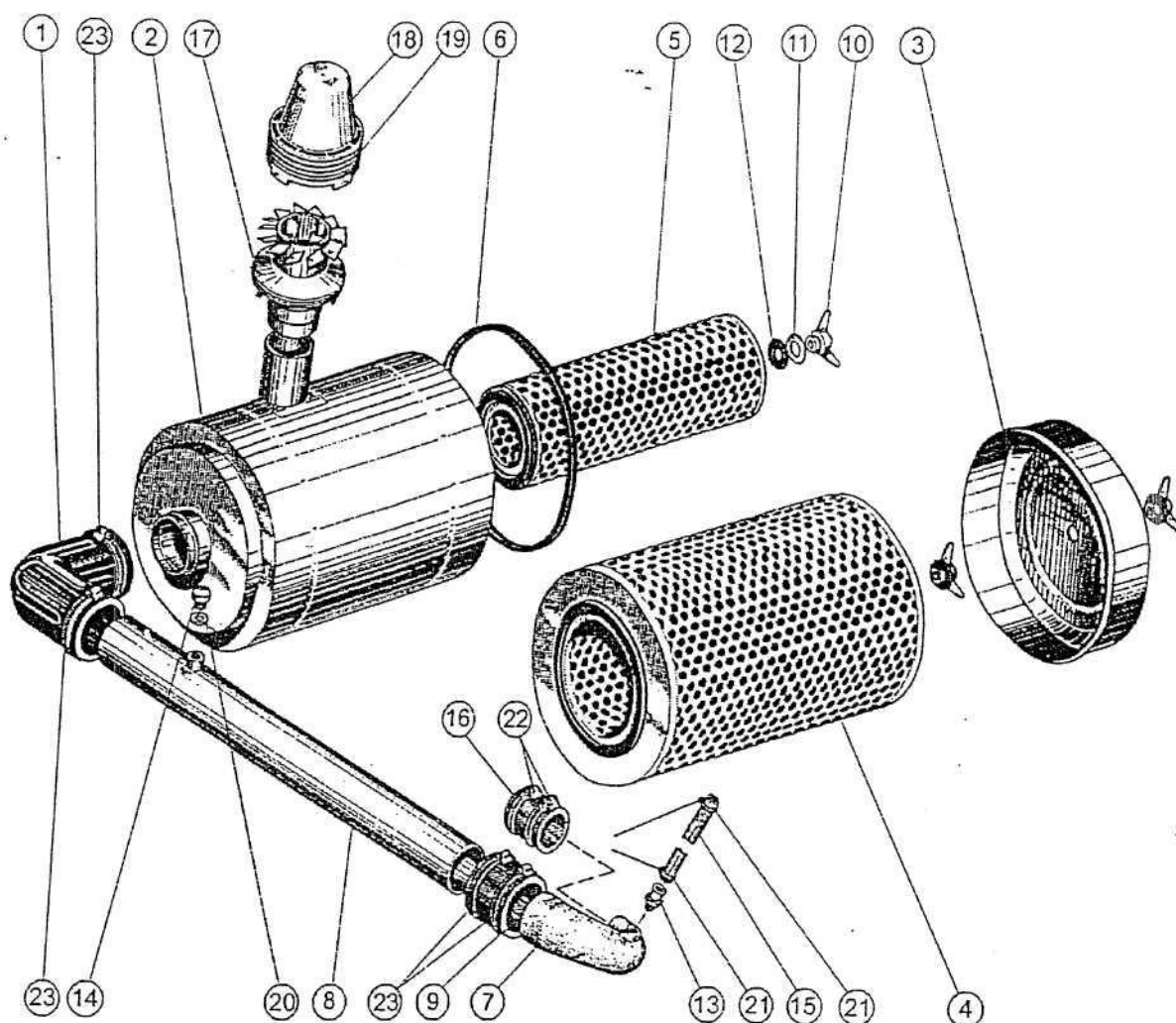


Fig. 11.3 Air supply line

Group 11. Fuel feed system.
Subgroup 1109. Air supply line.

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
11.3		260-1109010	1	Air cleaner (consists of the parts 260-1109015-02; A53.21.000 – 02)
		260-1109015-02	1	Air cleaner (consists of the parts 245-1109310; 2-6;)
		245-1109310	1	Nut (consists of the parts 10-12)
		A53.21.000-02	1	Monocyclon (consists of the parts 17-19)
		260-1109400-01	1	Pipe (consists of the parts 8; 14; 20)
	1	260-1109009-A	1	Connecting pipe
	2	260-1109035-02	1	Housing
	3	260-1109256	1	Pan
	4	260-1109300 or V4318-00	1	Element filter
	5	260-1109300-01 or V4318 -01.00	1	Element filter
	6	260-1109306	1	Ring
	7	260-1109402	1	Connecting pipe
	8	260-1109410-01	1	Pipe
	9	245 -1008029	1	Connecting pipe
	10	245-1109311	3	Nut
	11	245-1109316	3	Washer
	12	245-1109317	3	Gasket
	13	242-3509213	1	Fitting
	14	50-1117028	1	Threaded plug
	15	18-29-600-1,3(13)	1	Hose pipe part
	16	70-81-66-0,2(2)	1	Hose pipe part
	17	A53.21.001-02	1	Connecting pipe
	18	A53.21.002-02	1	Cap
	19	A53.21.00Z-02	1	Cover
	20	D18-055-A-01	1	O-Ring
	21	HSHP.10-019 or XC-26.019	2	Binding screw clamp
	22	HS - 78.019	2	Binding screw clamp
	23	HS-101.019	4	Binding screw clamp

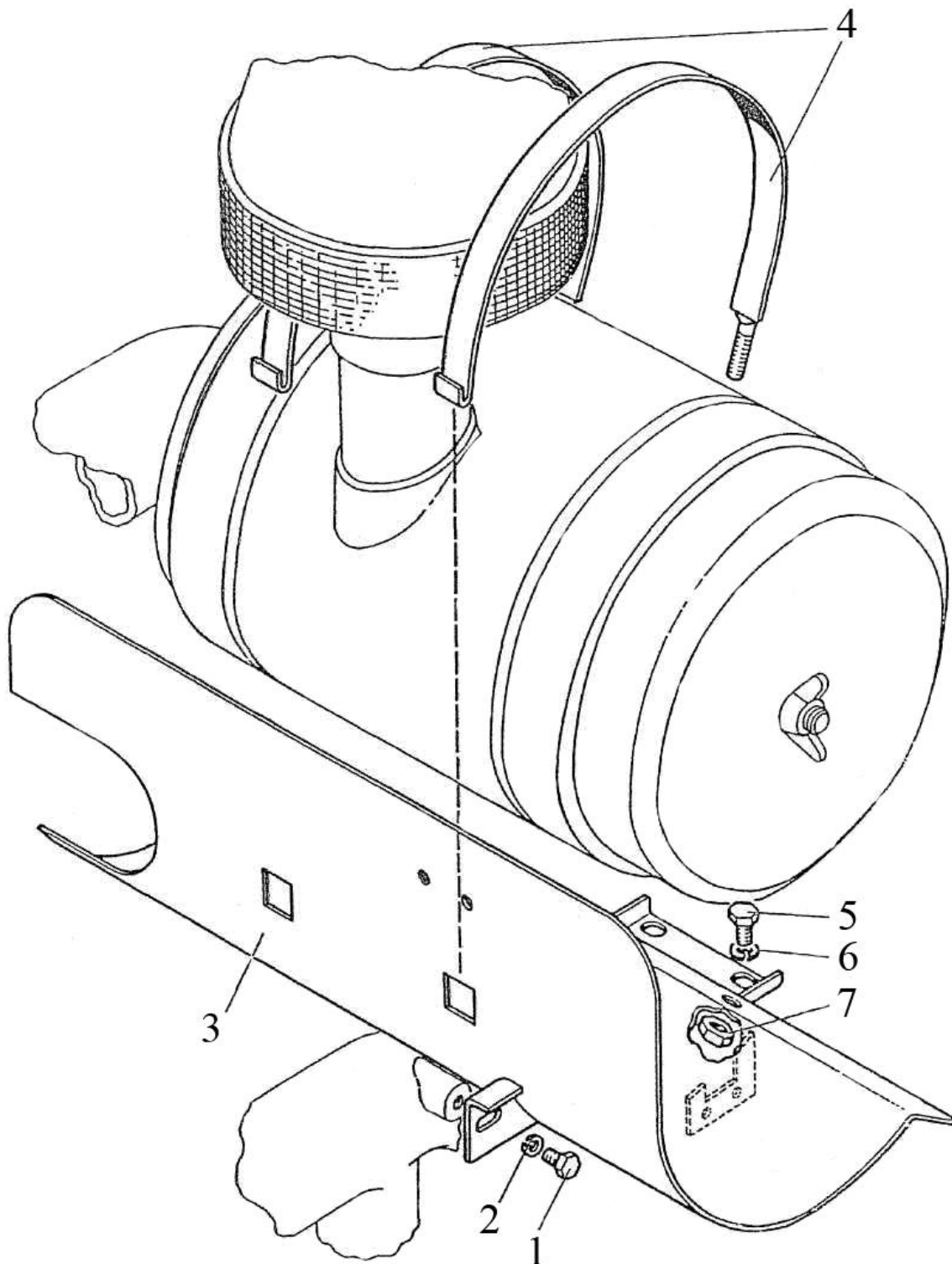


Fig.11.4 Air cleaner assembly

Group 11. Fuel feed system
Subgroup 1109. Air cleaner assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
11.4	1		1	Bolt M8-6gh14.88.35.019 GOST 7796-70
	2		1	Washer 8T OST 37.001.115-75
	3	1523.5-1109020	1	Support
	4	1522-1109025	2	Clamp
	5		2	Bolt M10-6gh18.88.35.019 GOST 7796-70
	6		2	Washer 10 OT OST 37.001.115-75
	7		2	Nut M10-6N.6.019 GOST 5915-70

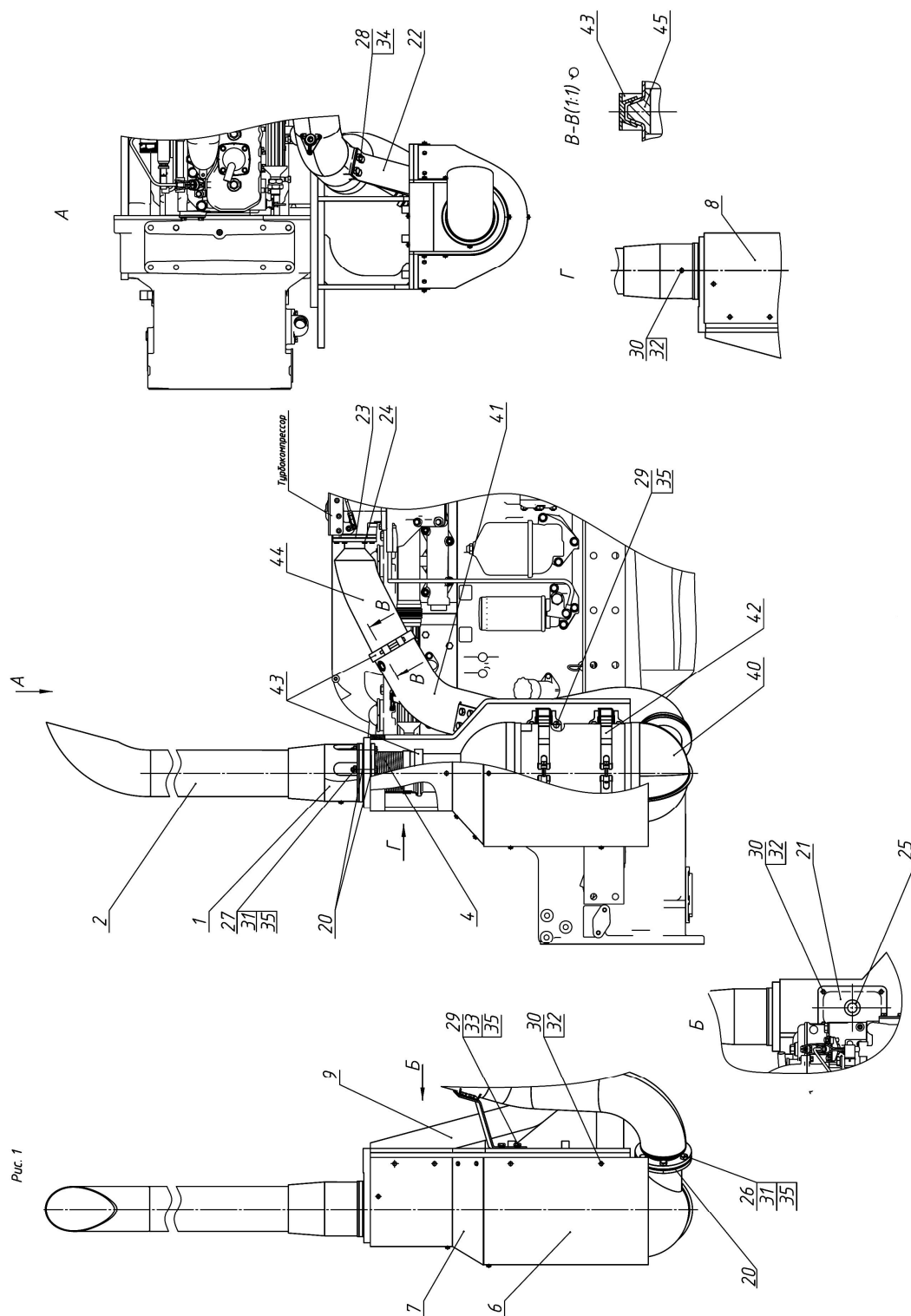
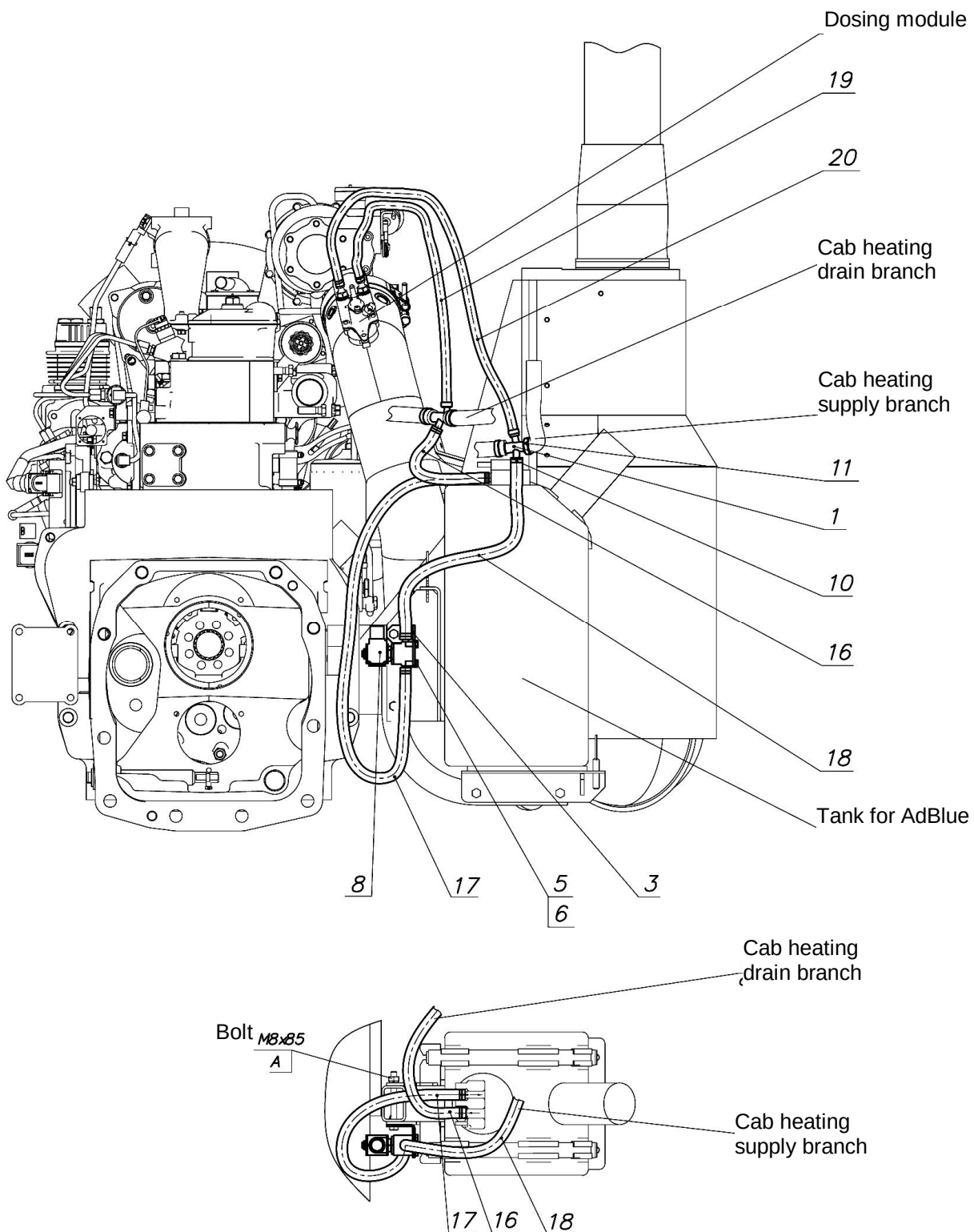


Fig. 12.1 Muffler assembly

**Group 12. Exhaust system
Subgroup 1205. Muffler assembly**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
12.1	1	2022.5-1205020	1	Guard
	2	2022.5-1205115	1	Muffler pipe
	4	2022.5-1205110	1	Compensator
	6	2022.5-1205760-B	1	Guard
	7	2022.5-1205775-B	1	Guard
	8	2022.5-1205780-B	1	Guard
	9	2022.5-1205835	1	Braket assy
	20	2022.5-1205001	3	Gasket
	21	2022.5-1205011	1	Cover
	22	2022.5-1205856	1	Bracket
	23	2022-1205006-B	1	Gasket
	24	265-1205028-01	6	Bolt
	25	70-3723042-02	1	Bushing
	26		6	Bolt M10-6gh45.88.35.019 GOST 7795-70
	27		6	Bolt M10-6gh65.88.35.019 GOST 7795-70
	28		4	Bolt M8-6gh20.88.35.019 GOST 7796-70
	29		10	Bolt M10-6gh30.88.35.019 GOST 7796-70
	30		21	Bolt M6-6gh16.88.35.019 GOST 7798-70
	31		12	Nut M10-6N.04.019 GOST 5916-70
	32		21	Washer S.6.01.019 GOST 11371-78
	33		2	Washer S 10.01.019 GOST 6958-78
	34		4	Washer 8T OST 37.001.115-75
	35		22	Washer 10 OT OST 37.001.115-75
	40		1	SCR-catalyst 0452 D20 2S4-00
	41		1	Mixing pipe 0452 D20 2T6-00
	42		2	SCR-catalyst fastening clamp 0452 B20 2M2-00
	43		2	Clamp 78803
	44		1	Air duct 000.4859.404.000
	45		1	Flange 260-1008059



Group 12. Exhaust system
Subgroup 1209. Tank heating system

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
12.2		2022.5-1209010	1	Tank heating system
	1	3522.5-1209020	2	Angle piece
	3	2022.5-1209011-B	1	Bracket
	5		4	Bolt M6-6gh12.88.35.019 GOST 7798-70
	6		4	Washer 6 T OST 37.001.115-75
	8		1	Tank heating valve 0452 C20 3CL-00
	10		10	Clamp/Clamp NORMA TORRO 12-22/971 or Clamp "NORMA" TORRO 12-20/9-C6W
	11		4	Clamp/Clamp NORMA TORRO 16-27/971 or Clamp "NORMA" TORRO 16-25/9-C6W
	16		1	Hose pipe 10h18,5-1,6 GOST 10362-76 (L= 300 mm)
	17		1	Hose pipe 10h18,5-1,6 GOST 10362-76 (L= 800 mm)
	18		1	Hose pipe 10h18,5-1,6 GOST 10362-76 (L= 400 mm)
	19		1	Hose pipe 10h18,5-1,6 GOST 10362-76 (L= 850 mm)
	20		1	Hose pipe 10h18,5-1,6 GOST 10362-76 (L= 850 mm)

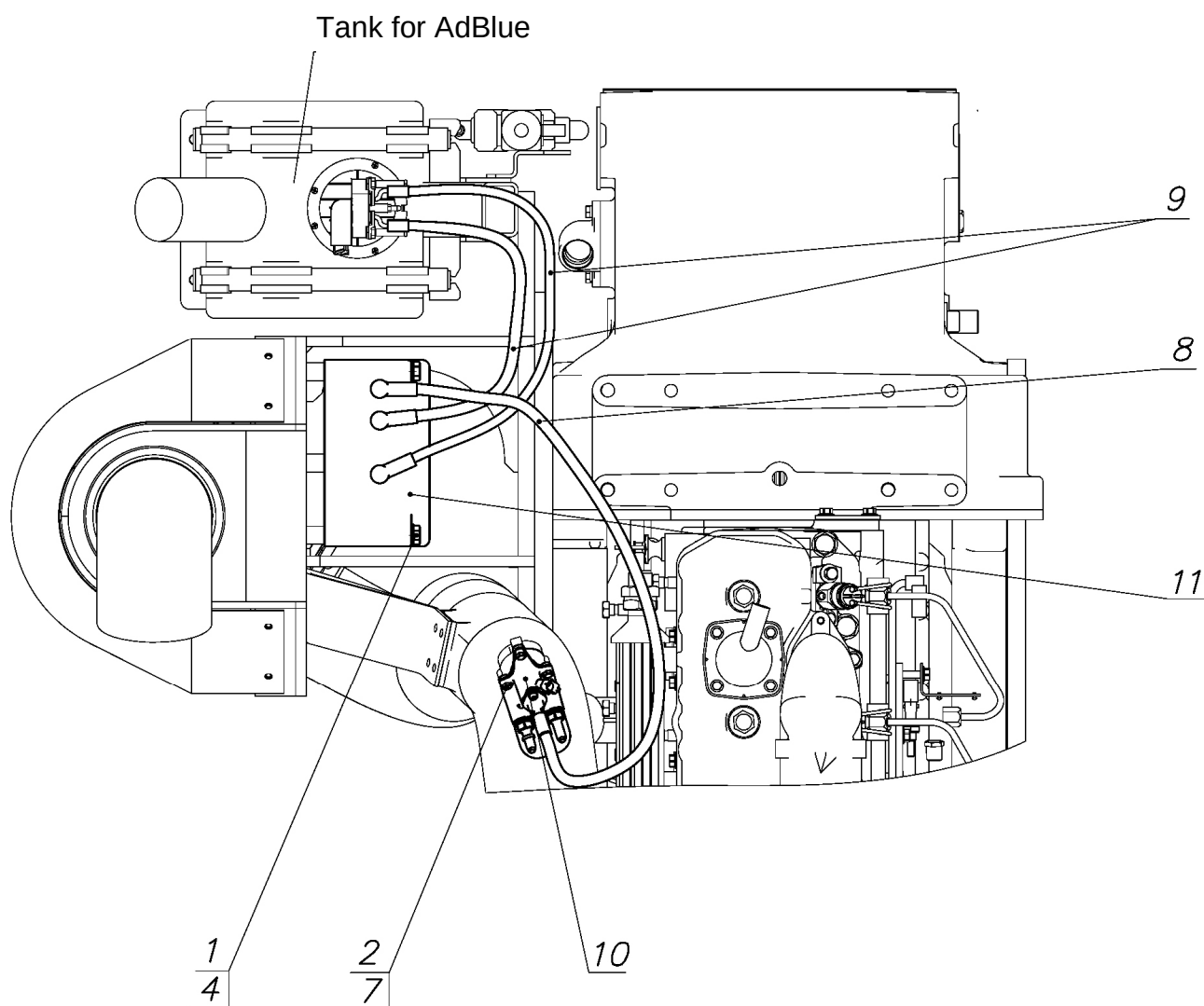


Fig. 12.3 Supply system

Group 12. Exhaust system
Subgroup 1204. Supply system

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
12.3		2022.5-1204010	1	Supply system
	1		3	Bolt M8-6gh90.88.35.019 GOST 7795-70
	2		3	Bolt M6-6gh20.88.35.019 GOST 7798-70
	4		3	Washer S 8.01.019 GOST 6958-78
	7		3	Washer 6 T OST 37.001.115-75
	8		1	AdBlue pipeline 0452 C20 3RY-00
	9		2	AdBlue pipeline 0452 C20 3RX-00
	10		1	DNOX2.2 Dosing module 0452 D20 3B 010
	11		1	DNOX2.2 Supply module 0449 Z98 771-00

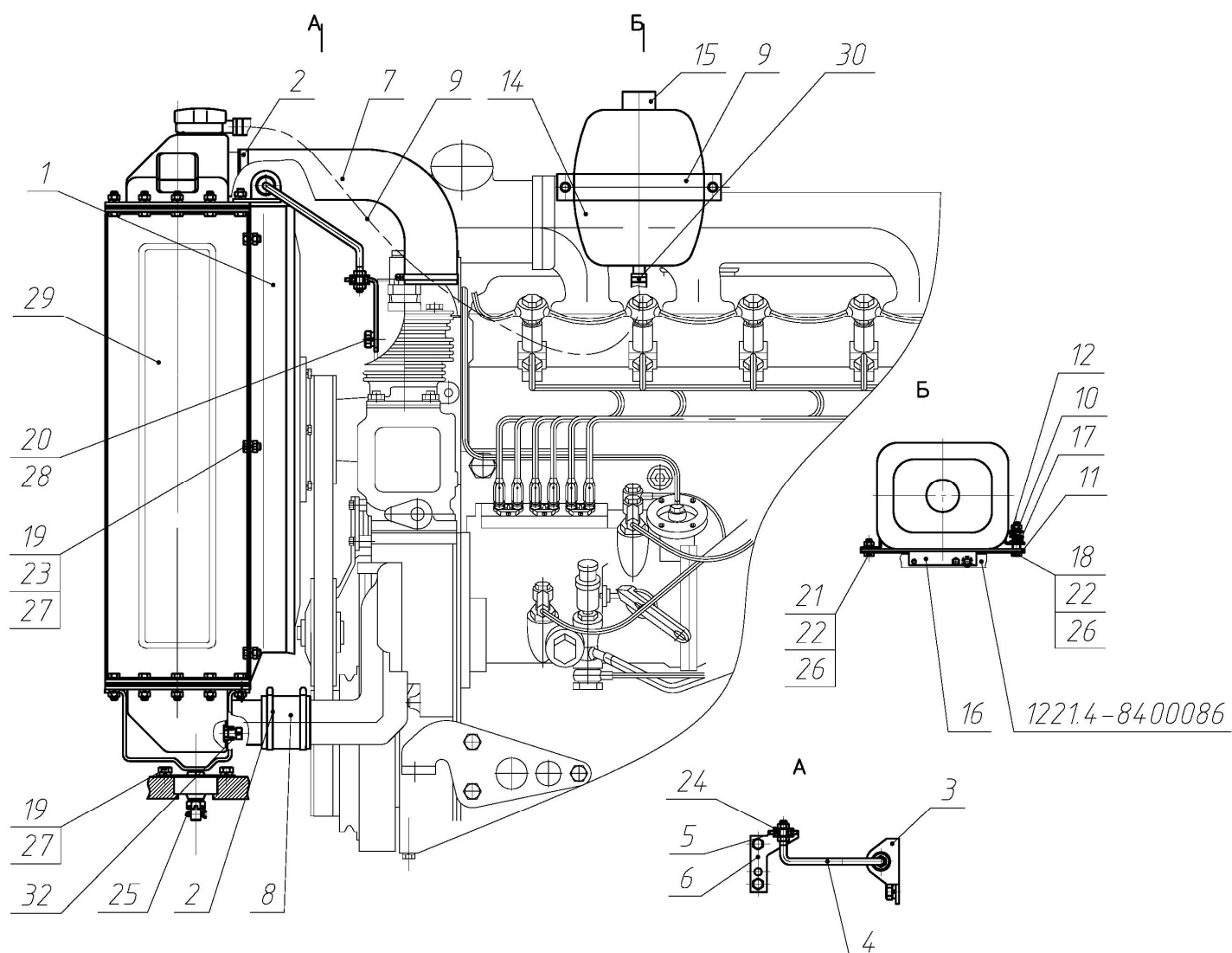


Fig. 13.1 Cooling unit

Group 13. Cooling system
Subgroup 1301. Cooling unit

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
13.1		1523-1301009-01	1	Cooling unit
	1	1520-1309080	1	Casing
	2	HS-61*	4	Clamp
	3	1220-1302002	1	Bracket
	4	1520-1302003	1	Brace
	5	85-1302071	4	Shock adsorber
	6	1520-1302072	1	Bracket
	7	142-1303010	1	Hose
	8	1220-1303004-01	1	Hose pipe
	9	80-1311002	1	Clamp
	10	80-1311003	1	Bushing
	11	80-1311004	1	Plate
	12	80-1311006	1	Disc
	13	1520-1303001	1	Hose (Hose pipe 14h23-16 GOST 10362-76 L= (700±5))
	14	80P-1311010	1	Expansion tank
	15	80P-1311011	1	Plug
	16	923-1311001	1	Bracket
	17	54.06.413	1	Spring
	18		1	Bolt M6-6gh40.88.35.019 GOST 7795-70
	19		10	Bolt M8-6gh16.88.35.019 GOST 7796-70
	20		2	Bolt M10-6gh18.88.35.019 GOST 7796-70
	21		1	Bolt M6-6gh16.88.35.019 GOST 7798-70
	22		2	Nut M6-6N.6.019 GOST 5915-70
	23		10	Nut M8-6N.6.019 GOST 5915-70
	24		4	Washer S 8.01.019 GOST 6958-78
	25		2	Split pin 3,2h18.019 GOST 397-79
	26		2	Washer 6T OST 37.001.115-75
	27		10	Washer 8T OST 37.001.115-75
	28		2	Washer 10 OT OST 37.001.115-75
	29		1	Water cooler 1520-1301.010B-01 TU 4791-004-11943236-2006
	30	TORRO 12-20/9-C6W	2	Clamp «NORMA»
	31	TORRO 50-70/9-C6W*	4	Clamp «NORMA»
	32		1	Plug - KG 1/4". A12.019 TU 23.1.506-91

* Interchangeable

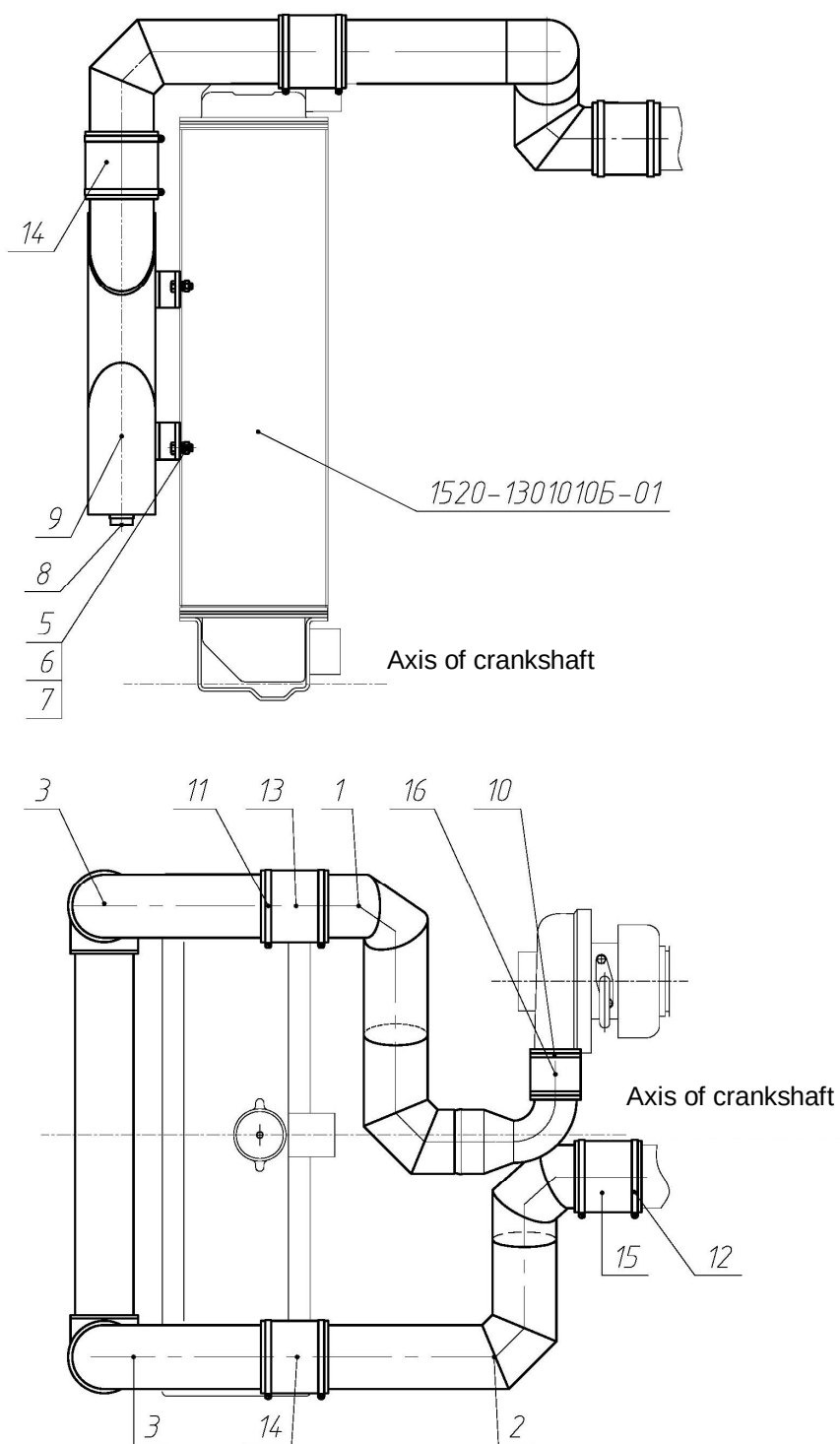


Fig. 13.2 Cooler assembly

Group 13. Cooling system
Subgroup 1317. Cooler assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
13.2		1523.4-1317010	1	Cooler assembly
	1	1523-1317600-A	1	Air line
	2	1523.4-1317610	1	Air line
	3	1523-1317620	2	Air line
	4	2022-1317631	1	Gasket
	5		4	Bolt M8-6gh16.88.35.019 GOST 7796-70
	6		4	Nut M8-6N.6.019 GOST 5915-70
	7		4	Washer 8T OST 37.001.115-75
	8	KG 1/4" A12.019	2	Plug TU 23.1.506-91
	9	1522-1317100	1	Charge air cooler
	10	GBS 61/20 W2	2	Clamp «NORMA»
	11	GBS 82/25 W2	8	Clamp «NORMA»
	12	GBS 101/25 W2	2	Clamp «NORMA»
	13	1317.01*	2	Silicone connecting pipe 75h100 red
		270 003 152-V TPD 282*	2	Silicone connecting pipe «Sico Rubena»
		PR001-75-100-MA*	2	Heat-resisting connecting pipe
	14	1317.02*	2	Silicone connecting pipe 75h100 blue
		270 003 152-A TPD 282*	2	Silicone connecting pipe «Sico Rubena»
		PR001-75-100-PES*	2	Heat-resisting connecting pipe
	15	1317.04*	1	Silicone connecting pipe 90h120 blue
		270 003 153-A TPD 282*	1	Silicone connecting pipe «Sico Rubena»
		PR001-90-120-PES*	1	Heat-resisting connecting pipe
	16	1317.09*	1	Silicone connecting pipe 50h100 red
		270 003 194-V TPD 282*	1	Silicone connecting pipe «Sico Rubena»
		PR001-50-100-PES*	1	Heat-resisting connecting pipe

* Interchangeable components

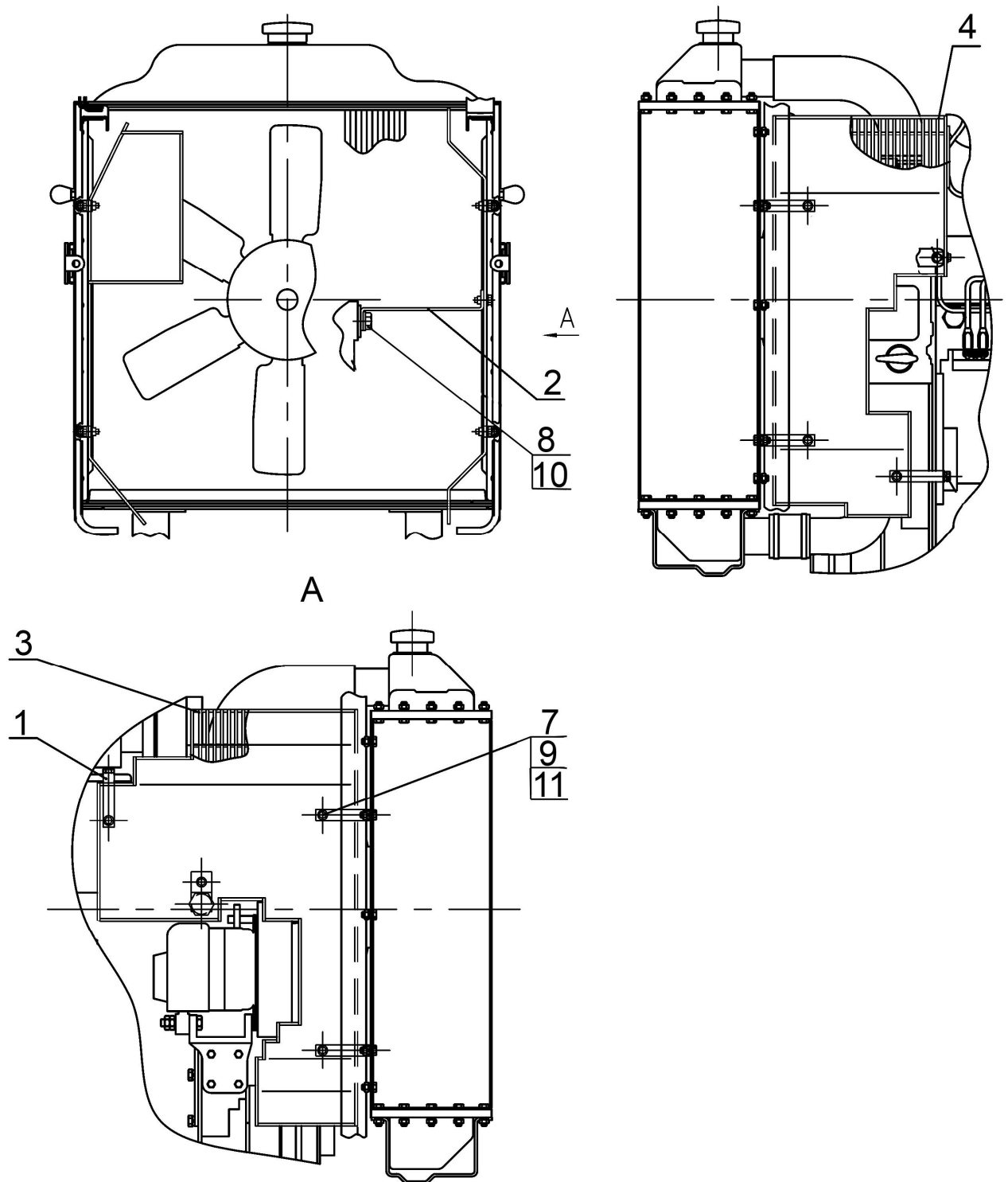


Fig. 13.3 Fan guard

Group 13. Cooling system
Subgroup 1309. Fan guard

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
13.3		1221-1309200	1	Fan guard
	1	1221-1309075	7	Bracket
	2	1221-1309085	1	Bracket
	3	1221-1309305	1	Guard right
	4	1221-1309310	1	Guard left
	7		8	Bolt M6-6gh16.88.35.019 GOST 7798-70
	8		1	Bolt M16-6gh32.88.35.019 GOST 7796-70
	9		8	Washer C6.01.019 GOST 6958-78
	10		1	Washer S16.01.019 GOST 11371-78
	11		8	Washer 6T OST 37.001.115-75

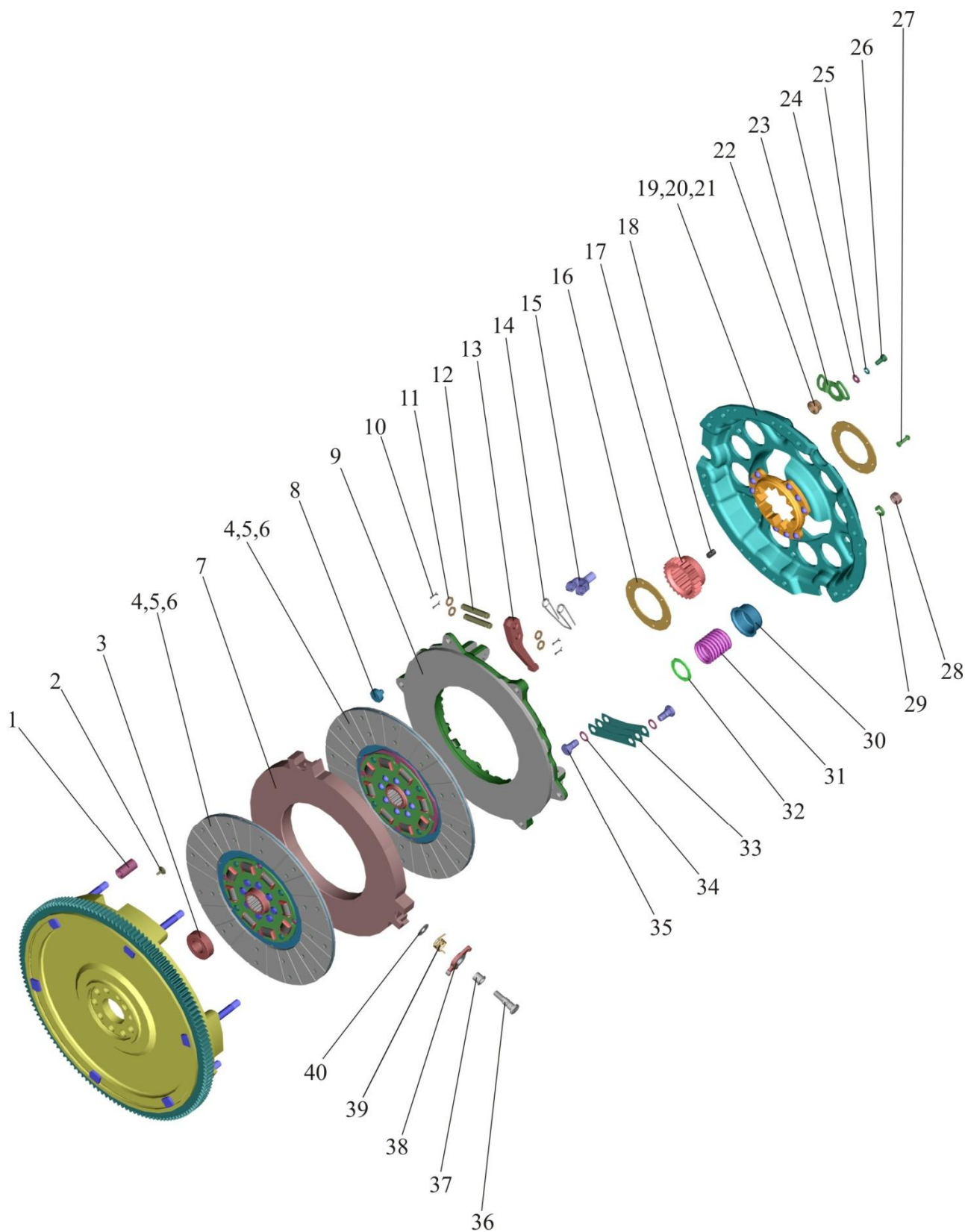


Fig. 16. 1 Clutch assembly

Group 16. Clutch
Subgroup 1601. Clutch assembly 260.1-1005009

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
16.1		260.1-1005009	1	Clutch assembly (1-40)
		1520-1601085	1	Center plate (7, 36-40)
		85-1601090-B	1	Clutch plate (8-35)
		1522-1601120	1	Cover plate (16-18, 21, 27)
	1	70-1601074	6	Bushing
	2	142-1601316	3	Holder
	3	180205K1C17	1	Bearing
	4	85-1601130-01	2	Driven plate (includes pos. 5, 6)
	5	70-1601138-01	2	Friction lining (included into pos. 4)
	6		48	Rivet 2-4h8.32 GOST 12642-80 (included into pos. 4)
	7	1520-1601092	1	Center plate
	8	1520-1601123	3	Limit stop
	9	85-1601093-B	1	Pressure plate
	10		12	Split pin 3,2x18.019 GOST 397-79
	11	85-1601108	12	Washer
	12	85-1601096	6	Pin
	13	85-1601094	3	Release lever
	14	85-1601083	3	Spring
	15	85-1601097	3	Yoke
	16	1522-1601062	2	Washer
	17	70-1601053	1	Bushing
	18	70-1601091	12	Damper
	19		9	Rivet 8x22.01 GOST 10299-80 (included into pos. 21)
	20	1522-1601051	1	Hub (included into pos. 21)
	21	1522-1601125	1	Cover plate (includes pos. 19, 20)
	22	85-1601109-A	3	Adjusting nut
	23	85-1601086	3	Lock washer
	24		6	Washer C 8.01.019 GOST 11371-78
	25		6	Washer 8 T OST 37.001.115-75
	26		6	Bolt M8-6gh16.88.35.019 GOST 7796-70
	27		6	Rivet 6h30.01 GOST 10299-80
	28		9	Nut M12h1,25-6N.6.019 GOST 5915-70
	29		9	Washer 12 OT OST 37.001.115-75
	30	85-1601072-B	9	Body
	31	85-1601115	9	Spring
	32	85-1601118-B	9	Insulating washer
	33	85-1601124	9	Plate
	34	85-1601121	6	Washer
	35	85-1601126	6	Bolt
	36	142-1601306	3	Axle of release lever
	37	142-1601088	3	Bushing
	38	142-1601087-B	3	Release lever
	39	142-1601314-B	3	Spring
	40	142-1601089	3	Lock washer

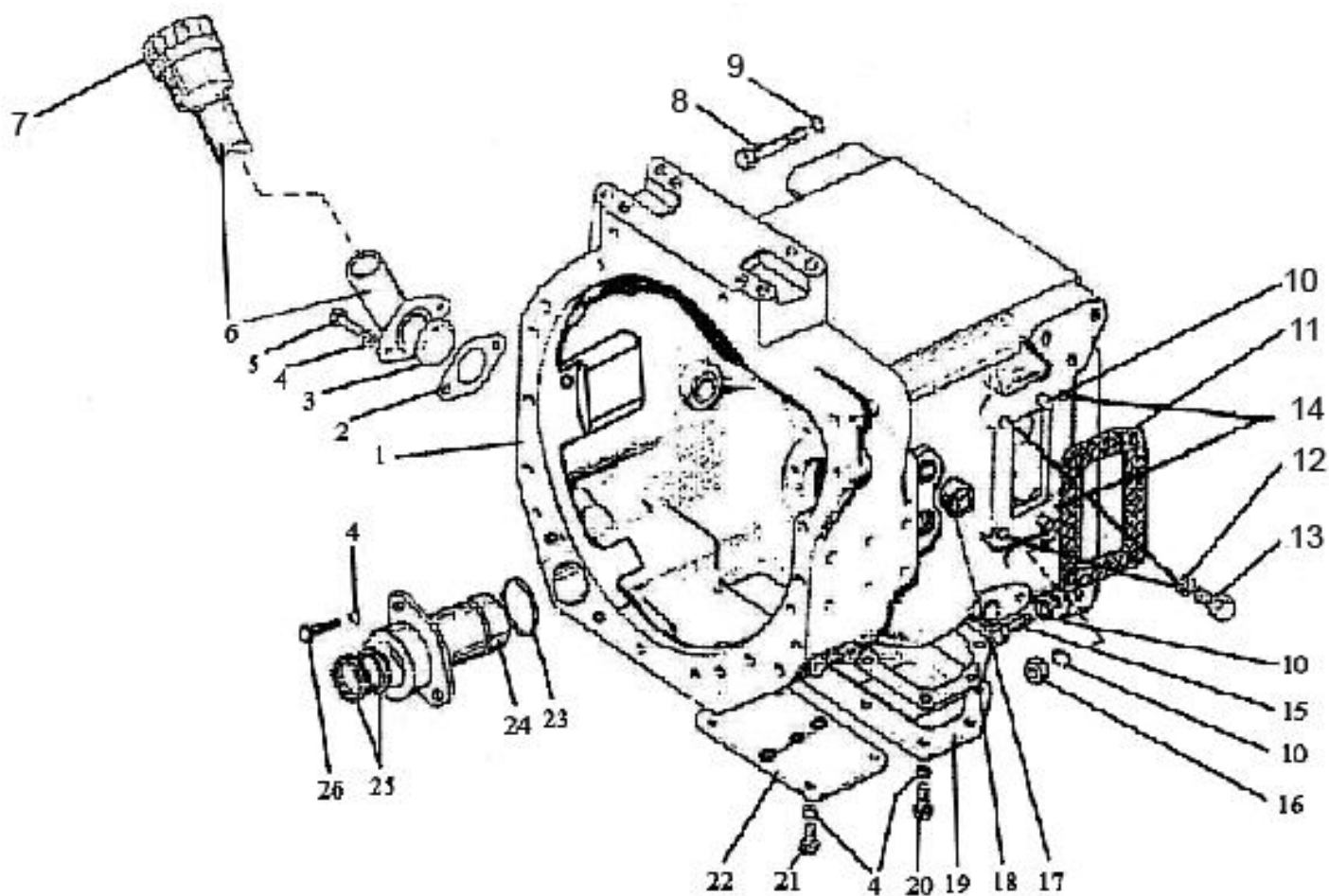
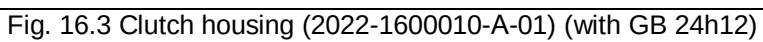


Fig. 16.2 Clutch housing (with GB 24h12)

Group 16. Clutch
Subgroup 1601. Clutch housing

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
16.2		1522-1601300-A	1	Filler neck (6, 7)
		86-1802015-B	1	Cage (23-25)
	1	1522-1601015-01	1	Housing
	2	240-1002082-A	1	Gasket
	3	240-1002085	1	Mesh
	4		15	Washer 8T OST 37.001.115-75
	5		2	Bolt M8-6gh20.88.35.019 GOST 7796-70
	6	1522-1601310-A	1	Filler neck
	7	082-1103010	1	Plug
	8	70-4605036-03	1	Bolt
	9		6	Washer 20 OT OST 37.001.115-75
	10	SHTSK 10x25	2	Dowel
	11	80-1601343	1	Gasket
	12		4	Washer 12 OT OST 37.001.115-75
	13		2	Bolt M12-6gh30.88.35.019 GOST 7796-70
	14		2	Bolt M12-6gh150.58.019 GOST 7795-70
	15	70-4605036	4	Bolt
	16		1	Nut M20-6N.6.019 GOST 5915-70
	17	70-1701301	1	Plug
	18	80-1601314	1	Gasket
	19	80-1601313	1	Cover
	20		7	Bolt M8-6gh25.88.35.019 GOST 7796-70
	21		4	Bolt M8-6gh16.88.35.019 GOST 7796-70
	22	50-1601341	1	Cover
	23		1	Ring 048-052-25-2-4 GOST 18829-73/ GOST 9833-73
	24	86-1802020	1	Cage
	25		2	Collar 2.2-38h58-1 GOST 8752-79/ OST 3805146-78
	26		2	Bolt M8-6gh35.88.35.019 GOST 7796-70



Group 16. Clutch
Subgroup 1601. Clutch housing

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
16.3		1522-1601040	1	Body (64, 65)
		1522-1601050	1	Shaft (1522-1601055, 16, 21, 23, 24)
		1522-1601055	1	Gear (17, 18, 22)
		80-1601070	1	Gear shaft (30-32)
		80-1601180	1	Gear (33-36)
		50-1601180-A	1	Release yoke (7-9)
		1225-1601160	1	Shaft (49-52, 53 – 1 pcs., 54)
		2022-1601060	1	Bushing (26, 27)
		80-1601030-01	1	Release yoke bracket (12, 14)
	1	85-1601215	1	Shaft
	2	50-1601022	1	Blind plug
	3	50-1601218	1	Key
	4		1	Bolt M10-6gh30.88.35.019 GOST 7796-70
	5		10	Washer 10 OT OST 37.001.115-75
	6	85-1601203	1	Yoke
	7		1	Bearing 986714 KS17
	8	50-1601185-A	1	Release yoke
	9		1	Oiler 1.1.TS9.hr GOST 19853-74
	10		6	Nut M10-6N.6.019 GOST 5915-70
	11		3	Stud M10-3r/6gh25.66.019 GOST 22034-76
	12	85-1601172	1	Bracket
	13	80-1601173	1	Gasket
	14	240-1002055	1	Collar
	15	80-1601319	1	Washer
	16		1	Bearing 6-12115 EMUSH1 GOST 8328-75
	17		1	Ring S105 GOST 13940-86
	18		1	Bearing 76-1000921
	19	80-1601318	1	Strip
	20		2	Bolt M10-6gh25.88.35.019 GOST 7796-70
	21	1522-1601026	1	Shaft
	22	1522-1601027	1	Gear
	23		1	Collar 2.2-38h58-1 GOST 8752-79/ OST 3805146-78
	24		1	Ring 2S75 GOST 13940-86
	25	1222-1601113	1	Shaft
	26		1	Ring S45 GOST 13941-86
	27	2022-1601061	1	Bushing
	28		1	Bearing 305 A GOST 8338-75
	29	80-1601357-B	1	Gear
	30		1	Ring S35 GOST 13941-86

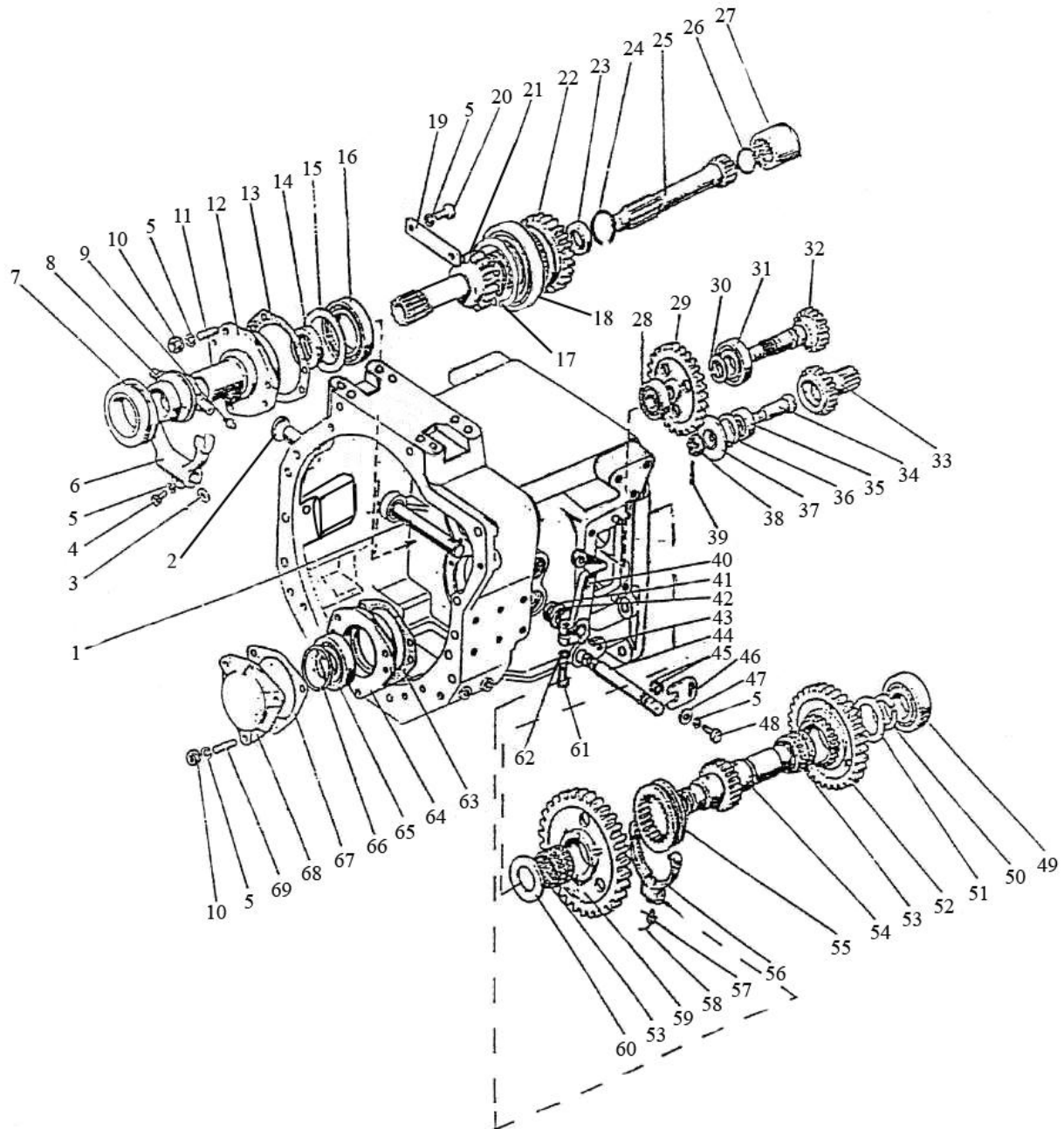


Fig. 16.3 Clutch housing (2022-1600010-A-01) (with GB 24h12)

Group 16. Clutch
Subgroup 1601. Clutch housing

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
16.3	31		1	Bearing 207 GOST 8338-75
	32	80-1601071-B	1	Gear shaft
	33	80-1601182	1	Gear
	34	80-1601181	1	Axle
	35		1	Bearing 204 A GOST 8338-75
	36		1	Ring S47 GOST 13943-86
	37	80-1601356	1	Thrust washer
	38	70-3003032	1	Nut
	39		1	Split pin 3,2h25.019 GOST 397-79
	40	1522-1601219	1	Lever
	41	80-4608024	1	Ring
	42	36-1601016	1	Housing
	43	SSH-611	1	Key 6h11
	44	85-1601111	1	Shaft
	45		2	Ring 020-025-30-1-6 GOST 18829-73/ GOST 9833-73
	46	85-1601099	1	Plate
	47		1	Washer S 10.01.019 GOST 6958-78 or
	48		1	Bolt M10-6gh20.88.35.019 GOST 7796-70 or
	49		1	Bearing 210 AUSH1 GOST8338-75 or
	50		1	Ring 2S55 GOST 13940-86
	51	2125-1601082	1	Washer
	52	2125-1601086	1	Gear
	53		2	Bearing K 55x63x32
	54	1225-1601021	1	Shaft
	55	112-1701343	1	Clutch
	56	80-1601190	1	Fork
	57	50-4604046	1	Fork bolt
	58		150 mm	Wire 1,0-O-S GOST 3282-74
	59	2125-1601088	1	Gear
	60	2022-1601081	1	Washer
	61		1	Bolt M12-6gh35.88.35.019 GOST 7796-70
	62		1	Washer 12 OT OST 37.001.115-75
	63	80-1601091	1	Gasket
	64	1522-1601041	1	Body
	65		1	Bearing 102210 KM GOST 8328-75
	66		1	Ring 2S50 GOST 13940-86
	67	80-1601092	1	Gasket
	68	1522-1601089	1	Cover
	69		3	Stud M10 3r/6gh35.66.019 GOST 22034-76

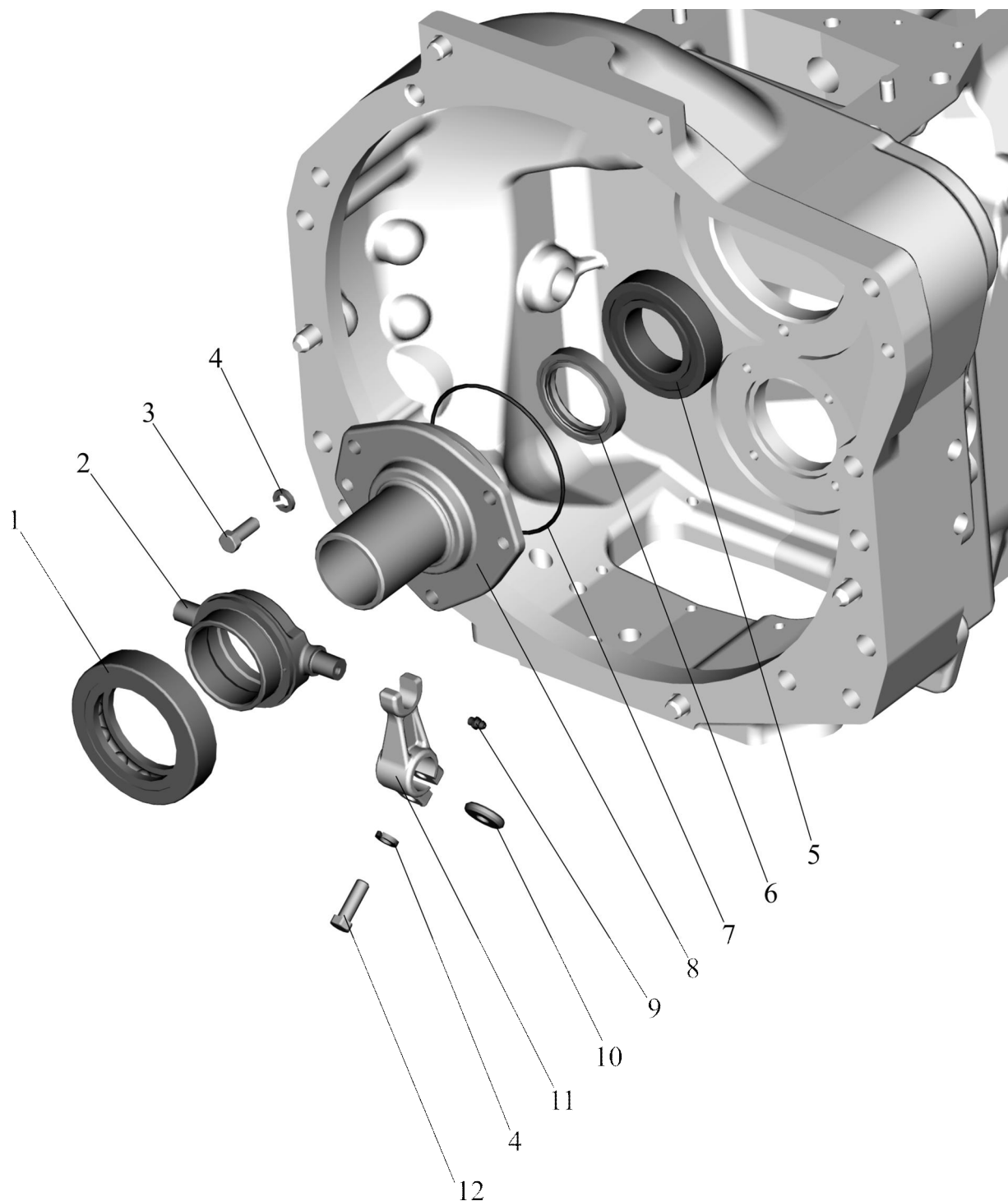
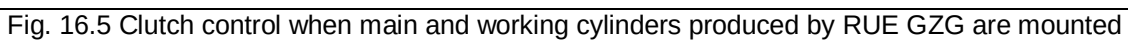


Fig.16.4. Clutch housing. Release yoke.

Group 16. Clutch
Subgroup 1601. Clutch housing. Release yoke.

Fig.	Pos.	Designation	Q-ty	Description
16.4		50-1601180-A	1	Release yoke (includes pos. 1,2,9)
	1	986714K1S23	1	Bearing
	2	50-1601185-A	1	Release yoke
	3	M10-6gh25.88.35.019 GOST 7796-70	3	Bolt
	4	10 OT OST 37.001.115-75	5	Washer
	5	60210 AUSH1 GOST 7242-81	1	Bearing
	6	240-1002055	1	Collar (included into pos. 8)
	7	110-115-30-1-4 GOST 18829-73/9833-73	1	Ring
	8	50-1601172-A	1	Release yoke bracket (assembled with pos. 6)
	9	1.1.TS9.hr GOST 19853-74	1	Oiler
	10	50-1601218	2	Key
	11	50-1601203	2	Fork
	12	M10-6gh30.88.35.019 GOST 7796-70	2	Bolt



Group 16. Clutch.
Subgroup 1602. Clutch control

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
16.5		1522-1602010-B	1	Clutch control
	1	822-1602120	1	Tank (see fig.38)
	2	80-1602116	2	Eye
	3	70-4616033 zam	1	Spring
	4		2	Split pin 4h36.019 GOST 397-79
	5	50-3406037	1	Washer
	6		3	Bolt M8-6gh35.88.35.019 GOST 7796-70
	7		3	Nut M8-6N.6.019 GOST 5915-70
	8	822-3502203	1	Fork
	9		2	Split pin 3,2h18.019 GOST 397-79
	10		2	Pin 12h32 OST 37.001.163-97
	11	1522-1602020-B	1	Pedal
	12	A13.33.002	1	Cover
	13		1	Nut M10-6N.6.019 GOST 5915-70
	14	1522-1602030-B	1	Bracket
	15		4	Bolt M10-6gh25.88.35.019 GOST 7796-70
	16		4	Washer 10 OT OST 37.001.115-75
	17		4	Washer 8T OST 37.001.115-75
	18	2022-1602810-A	1	Main cylinder (see fig.35)
	19	822-3503083	1	Fitting
	20	D18-055-A	10	O-Ring
	21	017-022-30-1-4	2	Ring
	22	1021-4803158	2	Adapter
	23	F80-3407720	4	Oil pipeline
	24	D18-051	3	Bolt
	25		4	Clamp/Clamp NORMA TORRO 12-22/971
	26		1	Hose pipe 10h18,5-1,6 GOST 10362-76 (L=1300 mm)
	27	240-1111103	1	Bolt
	28		1	Pin 16h40 OST 37.001.163-97
	29		2	Bolt M8-6gh25.88.35.019 GOST 7796-70
	30	80V-1602106-B	1	Angle piece
	31	80-1701549	1	Fitting
	32	2022-1602280	1	Pipeline
	33	822-3503701	1	Fitting
	34	2522-1602595	1	Pipeline
	35	1523-1602550-01	1	Working cylinder (see fig.37)
	36	2022-4218026-02	1	Hose pipe
	37		2	Bolt M12-6gh90.88.35.019 GOST 7795-70
	38		3	Washer 12 OT OST 37.001.115-75
	39	2022-1602510-01	1	Hydraulic booster (see fig.36)
	40	1522-1602067	1	Bracket
	41	2022-1602064	1	Bracket
	42		3	Bolt M16-6gh50.88.35.019 GOST 7796-70
	43		3	Washer 16 OT OST 37.001.115-75
	44	50-1605152	1	Spring
	45	1221V-1602112	1	Rod
	46		1	Nut M12h1,25-6N.6.019 GOST 5915-70
	47	50-3502203	1	Fork
	48	1522-1601219	1	Lever
	49		1	Bolt M12-6gh35.88.35.019 GOST 7796-70

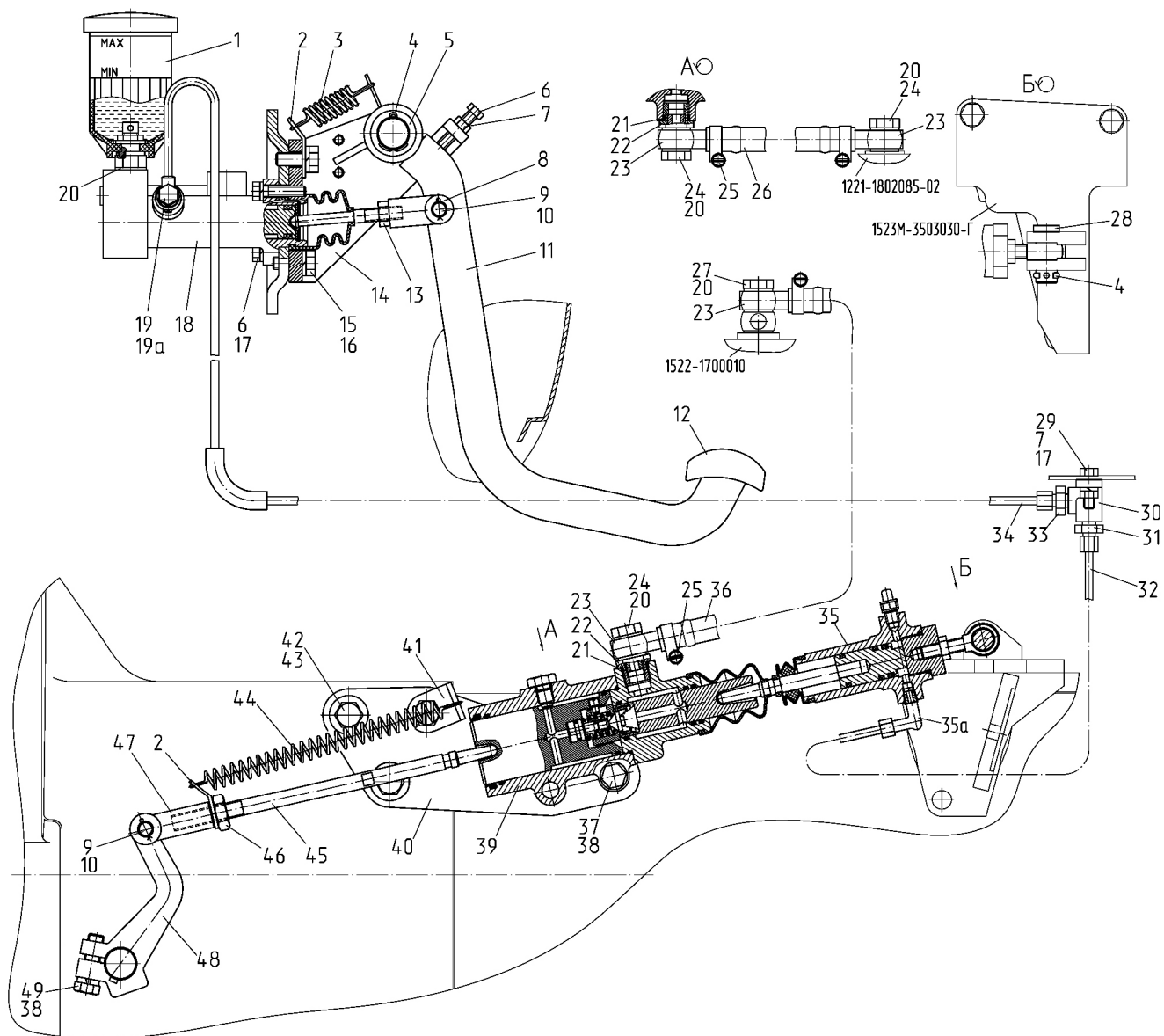


Fig. 16.6 Clutch control when main and working cylinders produced by NPOOO Fenox are mounted

Group 16. Clutch.
Subgroup 1602. Clutch control

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
16.6		1522-1602010-B	1	Clutch control
	1	822-1602120	1	Tank (see fig.38)
	2	80-1602116	2	Eye
	3	70-4616033 zam	1	Spring
	4		2	Split pin 4h36.019 GOST 397-79
	5	50-3406037	1	Washer
	6		3	Bolt M8-6gh35.88.35.019 GOST 7796-70
	7		3	Nut M8-6N.6.019 GOST 5915-70
	8	822-3502203	1	Fork
	9		2	Split pin 3,2h18.019 GOST 397-79
	10		2	Pin 12h32 OST 37.001.163-97
	11	1522-1602020-B	1	Pedal
	12	A13.33.002	1	Cover
	13		1	Nut M10-6N.6.019 GOST 5915-70
	14	1522-1602030-B	1	Bracket
	15		4	Bolt M10-6gh25.88.35.019 GOST 7796-70
	16		4	Washer 10 OT OST 37.001.115-75
	17		4	Washer 8T OST 37.001.115-75
	18		1	Main cylinder of clutch drive C2602
	19	36-1104787	1	Fitting bolt
	19a	36-1104788	2	Gasket
	20	D18-055-A	10	O-Ring
	21	017-022-30-1-4	2	Ring
	22	1021-4803158	2	Adapter
	23	F80-3407720	4	Oil pipeline
	24	D18-051	3	Bolt
	25		4	Clamp/Clamp NORMA TORRO 12-22/971
	26		1	Hose pipe 10h18,5-1,6 GOST 10362-76 (L=1300 mm)
	27	240-1111103	1	Bolt
	28		1	Pin 16h40 OST 37.001.163-97
	29		2	Bolt M8-6gh25.88.35.019 GOST 7796-70
	30	80V-1602106-B	1	Angle piece
	31	80-1701549	1	Fitting
	32	2022-1602280	1	Pipeline
	33	822-3503701	1	Fitting
	34	2522-1602595-B1	1	Pipeline
	35		1	Working cylinder of clutch drive R2602
	35a	86-1802088	1	Angle piece
	36	2022-4218026-02	1	Hose pipe
	37		2	Bolt M12-6gh90.88.35.019 GOST 7795-70
	38		3	Washer 12 OT OST 37.001.115-75
	39	2022-1602510-01	1	Hydraulic booster (see fig.36)
	40	1522-1602067	1	Bracket
	41	2022-1602064	1	Bracket
	42		3	Bolt M16-6gh50.88.35.019 GOST 7796-70
	43		3	Washer 16 OT OST 37.001.115-75
	44	50-1605152	1	Spring
	45	1221V-1602112	1	Rod
	46		1	Nut M12h1,25-6N.6.019 GOST 5915-70
	47	50-3502203	1	Fork
	48	1522-1601219	1	Lever
	49		1	Bolt M12-6gh35.88.35.019 GOST 7796-70

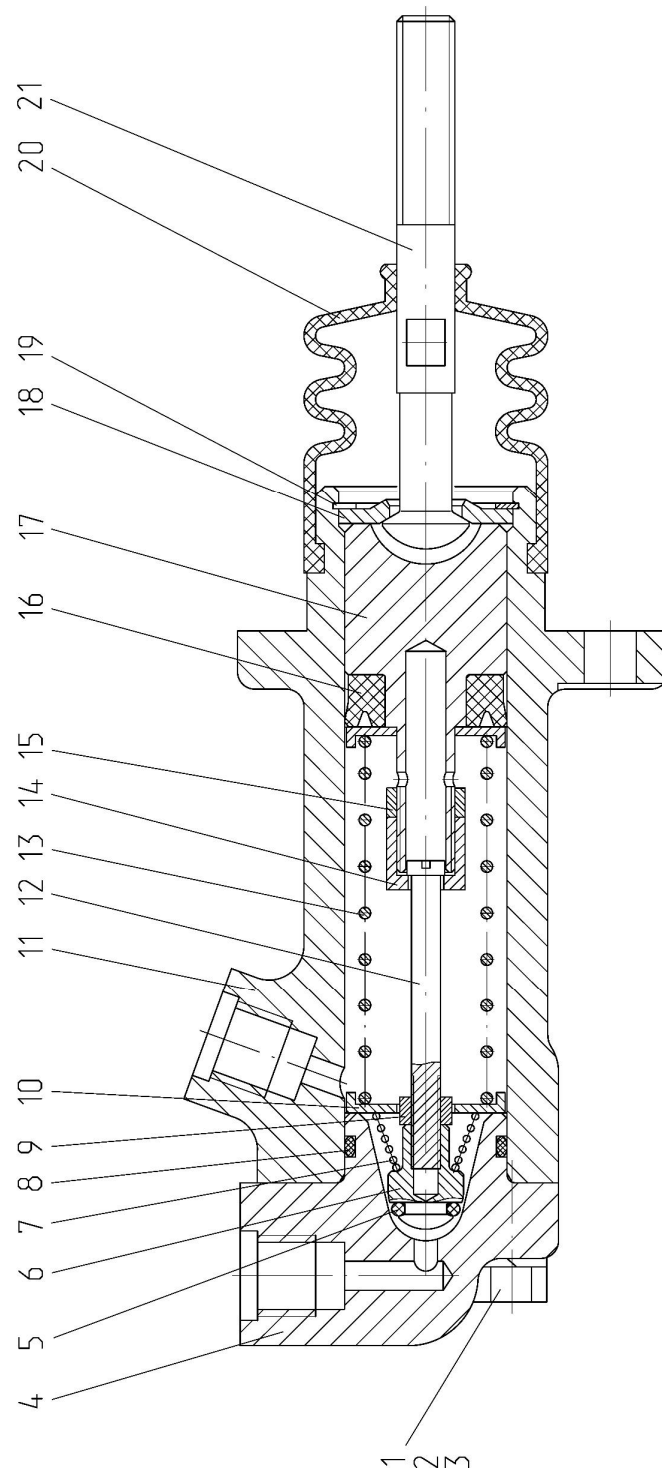


Fig. 16.7 Main cylinder

BELARUS**1523.5**

**Group 16. Clutch.
Subgroup 1602. Main cylinder**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
16.7		2022-1602810-A	1	Main cylinder
	1		2	Bolt M8-6gh25.88.35.019 GOST 7796-70
	2		2	Bolt M8-6gh40.88.35.019 GOST 7796-70
	3		4	Washer 8T OST 37.001.115-75
	4	2022-1602812	1	Cover
	5		1	Rubber sealing ring OR EPDM70 00700250
	6	2022-1602823	1	Valve
	7	2022-1602838	1	Spring
	8		1	Rubber sealing ring OR EPDM70 02350250
	9		1	Nut M5-6N.6.019 GOST 5915-70
	10	2022-1602824	2	Washer
	11	2022-1602811	1	Housing
	12	2022-1602822	1	Pusher
	13	2022-1602841	1	Spring
	14	2022-1602827	1	Cap nut
	15	2022-1602826	1	Nut
	16		1	Collar N14-102 (14h28h10) Simrit 85 EPDMV MOO 282
	17	2022-1602821-B	1	Piston
	18	2022-1602814	1	Washer
	19		1	Ring S30 GOST 13943-86
	20	142-1602569	1	Cover
	21	2022-1602813-B	1	Pusher

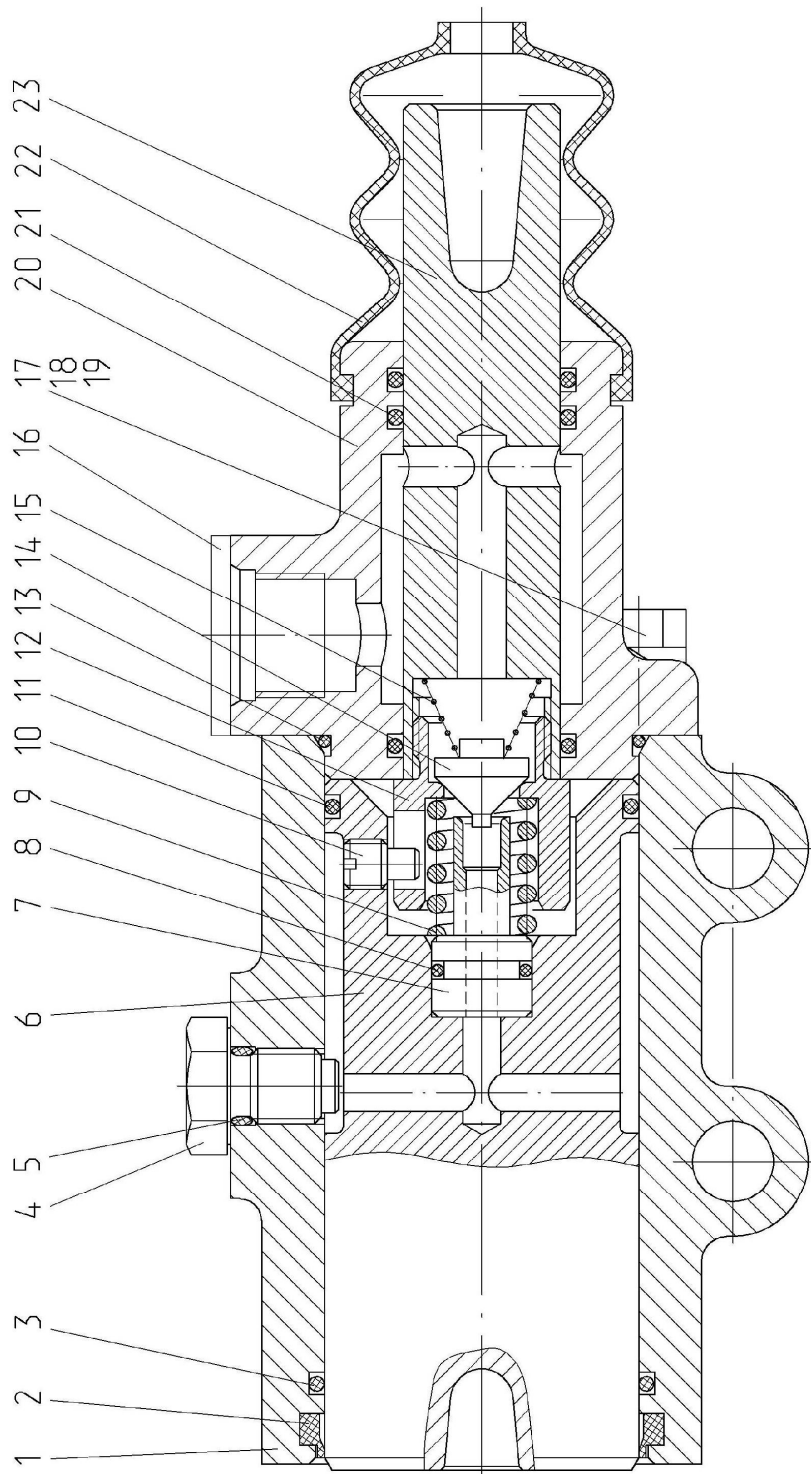


Fig. 16.8 Hydraulic booster

**Group 16. Clutch.
Subgroup 1602. Hydraulic booster**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
16.8		2022-1602510-01	1	Hydraulic booster
	1	2022-1602511-01	1	Housing
	2		1	Wiper seal Scraper DA22 WD 2200500-Z201
	3		1	Ring OR NBR70 04900300
	4	2022-1602517	1	Stop bolt
	5		1	Ring OR NBR70 00880190
	6	2022-1602524	1	Piston
	7	2022-1602532	1	Rod
	8		1	Ring OR NBR70 01160250
	9	2022-1602522	1	Spring
	10	2022-1602518	1	Thrust screw
	11		1	Ring OR NBR70 04400300
	12	2022-1602554	1	Rod
	13		1	Ring OR NBR70 04700250
	14	2022-1602516	1	Valve
	15	2022-1602838	1	Spring
	16	R75-090-A	2	Transport blind plug
	17		2	Bolt M8-6gh25.88.35.019 GOST 7796-70
	18		2	Bolt M8-6gh40.88.35.019 GOST 7796-70
	19		4	Washer 8T OST 37.001.115-75
	20	2022-1602512	1	Cover
	21		3	Ring OR NBR70 02450300
	22	142-1602543	1	Cover
	23	2022-1602544	1	Pusher

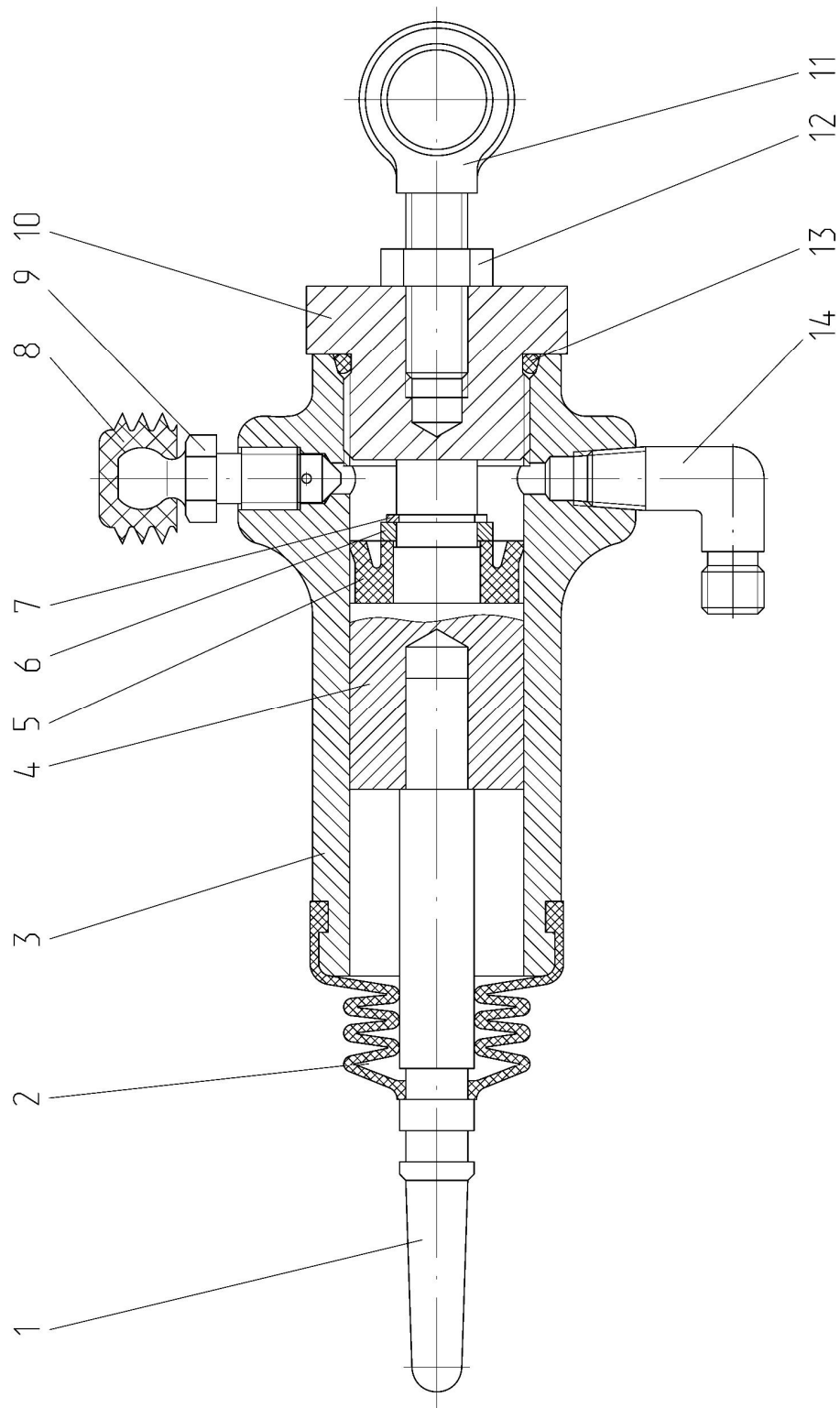


Fig. 16.9 Working cylinder

BELARUS**1523.5**

**Group 16. Clutch.
Subgroup 1602. Working cylinder**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
16.9		1523-1602550-01	1	Working cylinder
	1	80V-1602557	1	Rod
	2	142-1602569	1	Cover
	3	1221V-1602551	1	Housing
	4	1221V-1602556	1	Piston
	5		1	Collar N14-102 (14h28h10) Simrit 85 EPDMV MOO 282
	6	1221V-1602517-B	1	Distance sleeve
	7		1	Ring S13 GOST 13940-86
	8	142-1602377	1	Cap
	9	142-1602371	1	Valve
	10	1221V-1602561	1	Cover
	11	1523-1602566	1	Support
	12		1	Nut M10-6N.6.019 GOST 5915-70
	13		1	Rubber sealing ring OR EPDM70 02700250
	14	86-1802088	1	Angle piece

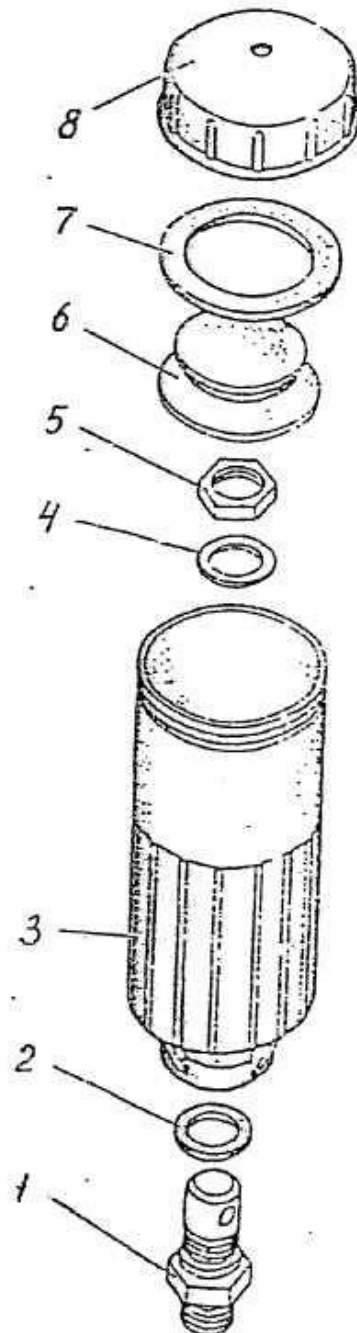


Fig. 16.10 Tank

Group 16. Clutch.
Subgroup 1602. Tank

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
16.10		822-1602120	1	Tank
	1	822-1602126	1	Fitting
	2	822-1602127	1	Ring
	3	822-1602121	1	Housing
	4		1	Washer S 12.01.019 GOST 11371-78
	5		1	Nut M12h1,25-6N.04.019 GOST 5916-70
	6	822-1602123	1	Disc
	7	822-1602124	1	Gasket
	8	822-1602122	1	Cover

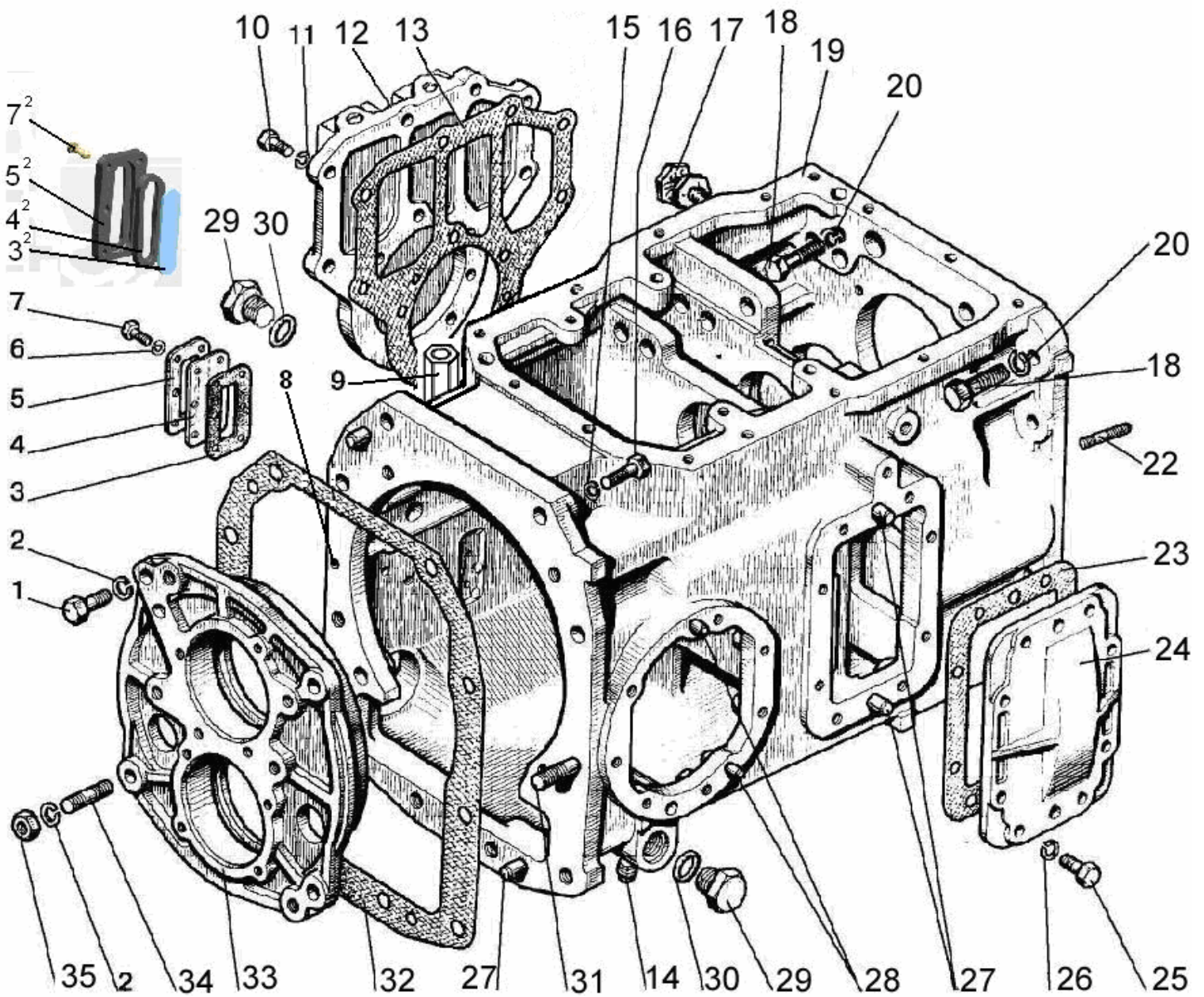


Fig. 17.1 Gearbox 1522-1700010

Group 17 Gearbox
Subgroup 1701. Gear box 1522-1700010

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.1		1522-1700010	1	Gearbox assy
	1		3	Bolt M16-6gh45.88.35.019 GOST 7796-70
	2		4	Washer 16 OT OST 37.001.115-75
	3	85-4608086-A	1	Gasket
	3 ²	85-4608087-B	1	Pointer
	4	85-4608087	1	Pointer
	4 ²	85-4608086-B	1	Sealant
	5	85-4608088	1	Plate
	5 ²	85-4608088-B	1	Housing
	6		6	Washer 6T OST 37.001.115-75
	7		6	Bolt M6-6gh16.88.35.019 GOST 7798-70
	7 ²		6	Bolt M6h20 DIN EN 1665-98
	8		1	Ball 10,0-60 GOST 3722-81
	9	1221-1737099	1	Fitting
	10		13	Bolt M10-6gh30.88.35.019 GOST 7796-70
	11		13	Washer10 OT OST 37.001.115-75
	12	1221-1802016	1	Cover
	13	80-1701399-B	1	Gasket
	14	PK KG 3/8"	2	Plug
	15		4	Washer 20 OT OST 37.001.115-75
	16	70-4605036	4	Bolt
	17	50-1002318-B	2	Eye bolt
	18	1221-2401011-01	9	Bolt (M18h60)
	19	1522-1701025*	1	Housing
	20		9	Washer 18 OT OST 37.001.115-75
	22	1522-1701525	3	Stud
	23	50-1701456-A	1	Gasket
	24	70-1701454-A2-01	1	Cover
	25		7	Bolt M12-6gh30.88.35.019 GOST 7796-70
	26		7	Washer 12 OT OST 37.001.115-75
	27	D01-015	4	Dowel
	28	SHTSK 10h25	4	Dowel
	29	80-4608021	2	Blind plug
	30	027-032-30-1-4	2	Ring
	31	80-1701525	1	Stud
	32	80-1701026	1	Gasket
	33	80-1701034-01	1	Body
	34	80-1701204	1	Stud
	35		1	Nut M16-6N.6.019 GOST 5915-70

- * When ordered as spare part shall be ordered part 1522-1701025-B
- ² Are mounted on gearbox since year 2010.

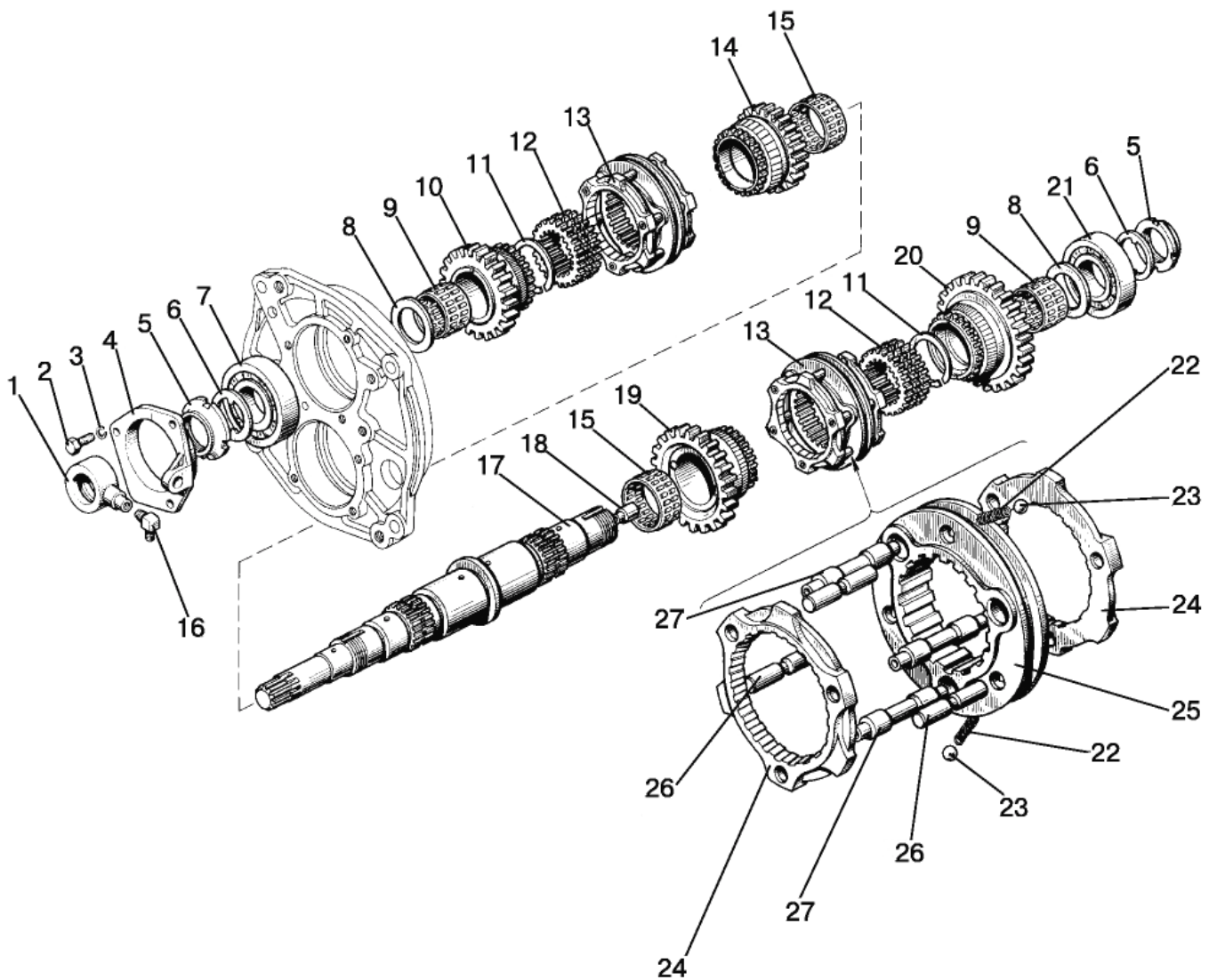
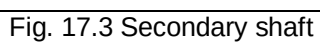


Fig. 17.2 Primary shaft

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.2		1522C-1701020-A	1	Gear unit (1-27) and intermediate shaft
		80C-1701060-A	2	Synchronizer (22-27)
	1	80C-1701036	1	Bushing
	2		3	Bolt M12-6gh30.88.35.019 GOST 7796-70
	3		3	Washer 12 OT OST 37.001.115-75
	4	80C-1701035	1	Cover
	5	80-1701045	2	Nut
	6	80-1701056	2	Washer
	7		1	Bearing 409 GOST 8338-75
	8	80-1601082	2	Washer
	9		2	Bearing 664910E TU RB 00234873.003-99
	10	1522C-1701048	1	Gear
	11		2	Ring 2S60 GOST 13940-86
	12	80C-1701033	2	Bushing
	13	80C-1701060-A	2	Synchronizer
	14	1521-1701042	1	Gear
	15		2	Bearing 664913E TU RB 00234873.003-99
	16	86-1802088	1	Angle piece
	17	80C-1701032	1	Shaft
	18	80-1701053	1	Throttle
	19	1522C-1701052	1	Gear
	20	1522C-1701054	1	Gear
	21		1	Bearing 309K GOST 8338-75
	22	80-3405044	3	Spring
	23		3	Ball 7,938-100 GOST 3722-81
	24	80S-1701062-B	2	Ring
	25	80S-1701064-B	1	Cluster gear
	26	80C-1701061	3	Pin
	27	80S-1701063-B	6	Pin



Group 17 Gearbox
Subgroup 1701. Secondary shaft

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.3		1522-1701050	1	Shaft (25, 26)
		80-1701140-B	1	Seat (22, 25)
	1	80-1701045	1	Nut
	2	1522-1701354	1	Washer
	3	6-67512 ASH2	1	Bearing
	4	80-1701044	1	Stop member
	5	1522-1701353	1	Bushing
	6	664714E	2	Bearing
	7	1522-1701314	1	Gear
	8		1	Ball 10,0-60 GOST 3722-81
	9	85-1702048	1	Dowel
	10	50-1702148A	1	Spring
	11	85-1702051	1	Washer
	12		1	Bolt M12-6gh25.88.35.019 GOST 7796-70
	13	1522-1702037	1	Carrier
	14	112-1701316	1	Clutch
	15	1,6-0-S	1	Wire
	16	80-1702108	1	Bolt
	17	85-1702029-B	1	Fork
	18	1522-1701348	1	Bushing
	19	1522-1701312	1	Gear
	20	1522-1701313	1	Gear
	21	50-1701258	6	Gasket
	22	80-1701141-B	1	Body
	23		4	Washer 10 OT OST 37.001.115-75
	24		4	Bolt M10-6gh30.88.35.019 GOST 7796-70
	25	7712A	1	Bearing
	26	1522-1701252-B*	1	Shaft
	27	50-1701259	4	Gasket
	28	1522-1701349	1	Bushing
	29	1522-1701254	5	Washer 0,2 mm
		1522-1701254-01	5	Washer 0,5 mm

* Untill August, 2012 was mounted shaft 1522-1701252.

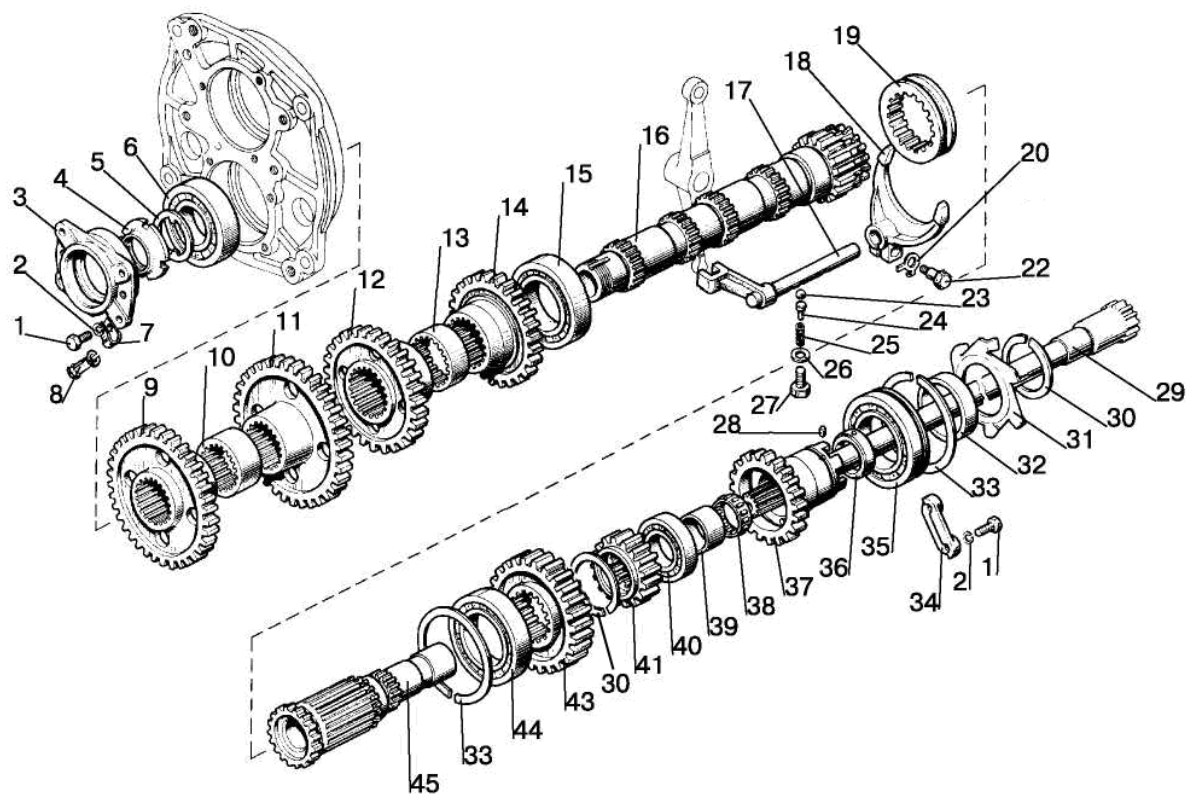


Fig. 17.4 Intermediate shaft

Group 17 Gearbox
Subgroup 1701. Intermediate shaft

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.4		1521-1701190-B	1	Intermediate shaft (9-16)
		112-1701200	1	Gear
	1		8	Bolt M10-6gh30.88.35.019 GOST 7796-70
	2		8	Washer 10 OT OST 37.001.115-75
	3	80-1701151	1	Body
	4	80-1701047	1	Nut
	5	80-1701186	1	Washer
	6		1	Bearing 311A GOST 8338-75
	7	70-1115012	1	Clamp
	8	48A-3801023	1	Pipe
	9	1522-1701214	1	Gear
	10	80-1701213	1	Bushing
	11	1521-1701212	1	Gear
	12	1522-1701216	1	Gear
	13	80-1701217	1	Bushing
	14	1522-1701219	1	Gear
	15		1	Bearing 3514N GOST 5721-75
	16	112-1701182	1	Intermediate shaft
	17	1520-1702038	1	Carrier
	18	85-1702034	1	Yoke
	19	1520-1701184	1	Clutch
	20	80-1702311	1	Washer
	22	80-1702108	1	Bolt
	23		1	Ball 10,0-60 GOST 3722-81
	24	80-1704039	1	Guide
	25	50-1702148-A	1	Spring
	26	85-1702051	1	Washer
	27		1	Bolt M12-6gh55.88.35.019 GOST 7795-70
	28		1	Dowel 2.4h8 GOST 3128-70
	29	1522-1701160	1	Shaft
	30		2	Ring 2S75 GOST 13940-86
	31	50-1701401	1	Impeller
	32	80-1701207	1	Bushing
	33	80-1701206	2	Ring
	34	80-1701205	2	Strip
	35		1	Bearing 50215A GOST 8338-75/GOST 2893-82
	36	80-1701201	1	Bushing
	37	112-1701202	1	Gear
	38		1	Bearing 864710E GOST 24310-80
	39	80-1701203	1	Bushing
	40		1	Bearing 42210M GOST 8328-75
	41	1522-1701224	1	Gear
	43	1522-1701221	1	Gear
	44		1	Bearing 692215K1M GOST 8328-75
	45	80-1701240	1	Shaft

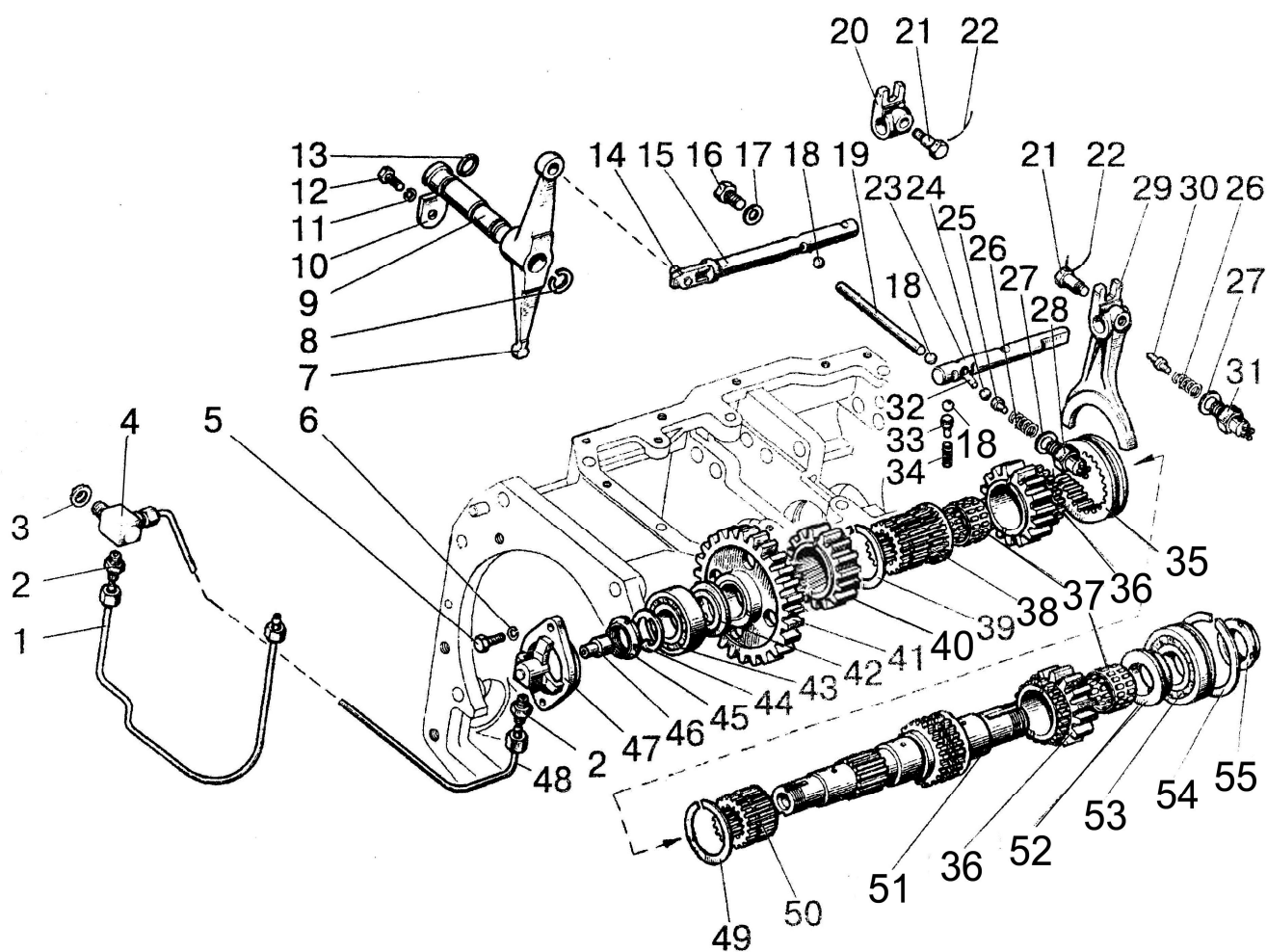


Fig. 17.5 Low gears shaft

Group 17 Gearbox
Subgroup 1701. Low gears shaft

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.5		75-1701320	1	Shaft (37, 51-55)
	1	80-1701430	1	Pipe
	2	80-1701549	3	Fitting
	3	D18-055-A	1	Washer
	4	80-1701057	1	Fitting
	5		2	Bolt M8-6gh20.88.35.019 GOST 7796-70
	6		2	Washer 8T OST 37.001.115-75
	7	85-1702041	1	Rocker arm
	8		1	Ring S25 GOST 13940-86
	9	85-1702042	1	Axle
	10	85-1702043	1	Plate
	11		1	Washer 10 OT OST 37.001.115-75
	12		1	Bolt M10-6gh20.88.35.019 GOST 7796-70
	13		1	Ring 026-030-25-2-2 GOST 18829-73/GOST9833-73
	14	85-1702049	1	Pin
	15	85-1702039	1	Carrier
	16		1	Bolt M12-6gh25.88.35.019 GOST 7796-70
	17	85-1702051	1	Washer
	18		3	Ball 10,0-60 GOST 3722-81
	19	85-1702046	1	Pin
	20	85-1702045	1	Carrier
	21	80-1702108	2	Bolt
	22		2	Wire 1,6-O-S GOST 3282-74
	23	1522-1702035	1	Carrier
	24		1	Ball 12,7-60 GOST 3722-81
	25	85-1702305	1	Dowel
	26	12-23-668-A	1	Spring
	27	50-1702048	10	Shim washer
	28	BK12-41	1	Switch
	29	85-1702027	1	Yoke
	30	1522-1702306	1	Dowel
	31	VK 12-5	1	Switch
	32	85-1702301	1	Axle
	33	80-1704039	1	Guide
	34	50-1702148-A	1	Spring
	35	112-1701343	1	Clutch
	36	1522-1701351	2	Gear
	37		2	Bearing 664910E TU RB 00234873.003-99
	38	80-1701346-01	1	Bushing
	39		1	Ring 2S70 GOST 13940-86
	40	1025-1701344	1	Gear
	41	1520-1701340	1	Gear

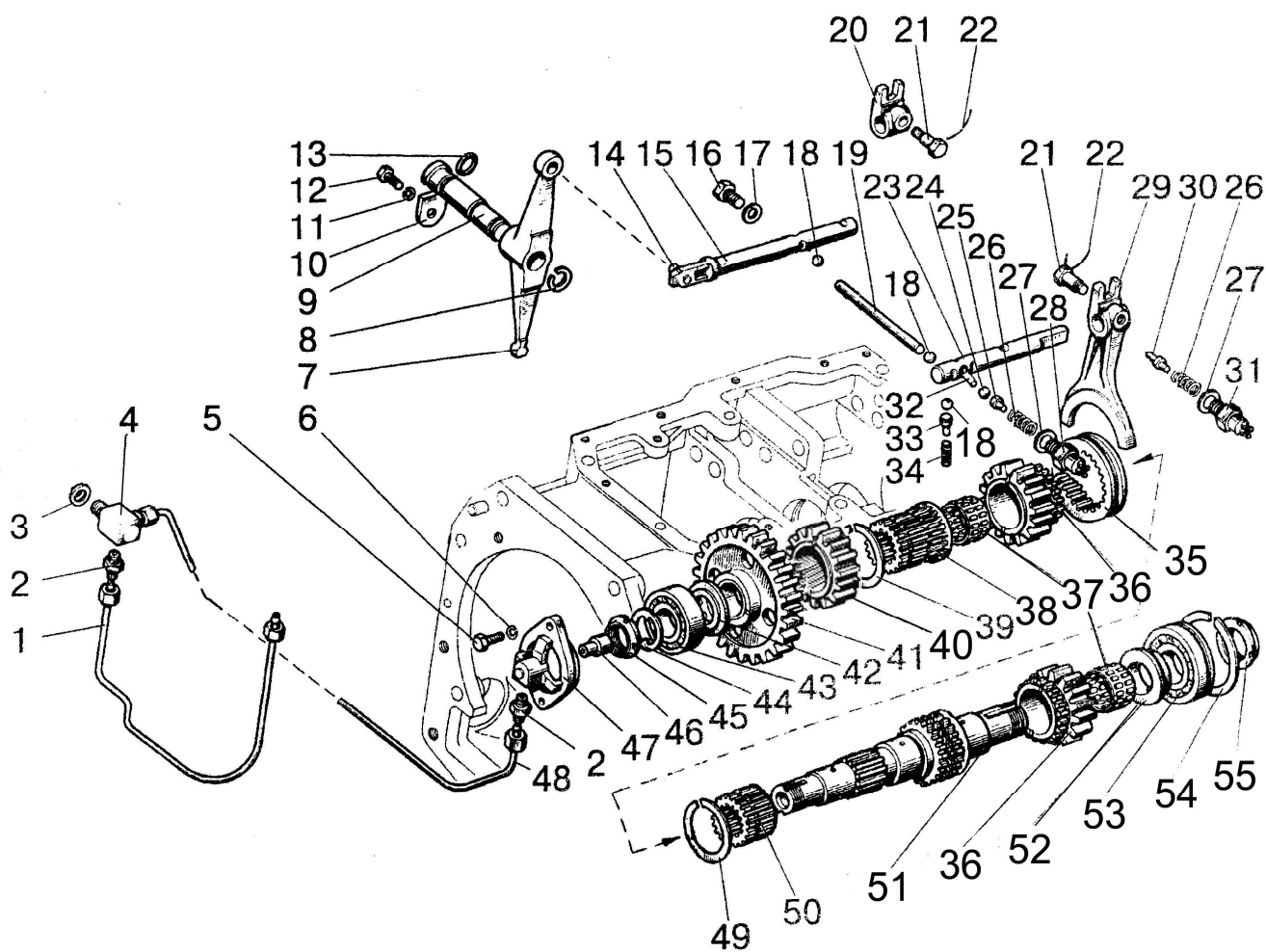


Fig. 17.5 Low gears shaft

Group 17 Gearbox
Subgroup 1701. Low gears shaft

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.5	42	80-1701306	1	Washer
	43		1	Bearing 12507KM GOST 8328-75
	44	86-1802052	1	Washer
	45	52-2308097	1	Nut
	46	80-1701053	1	Throttle
	47	80-1701311-A	1	Body
	48	80-1701420	1	Pipe
	49	54-31-472	1	Spring ring
	50	75-1701352	1	Bushing
	51	75-1701335	1	Shaft
	52	80-1701339	1	Bushing
	53	692309KM	1	Bearing
	54	80-1701396	1	Ring
	55	80-1701045	1	Nut

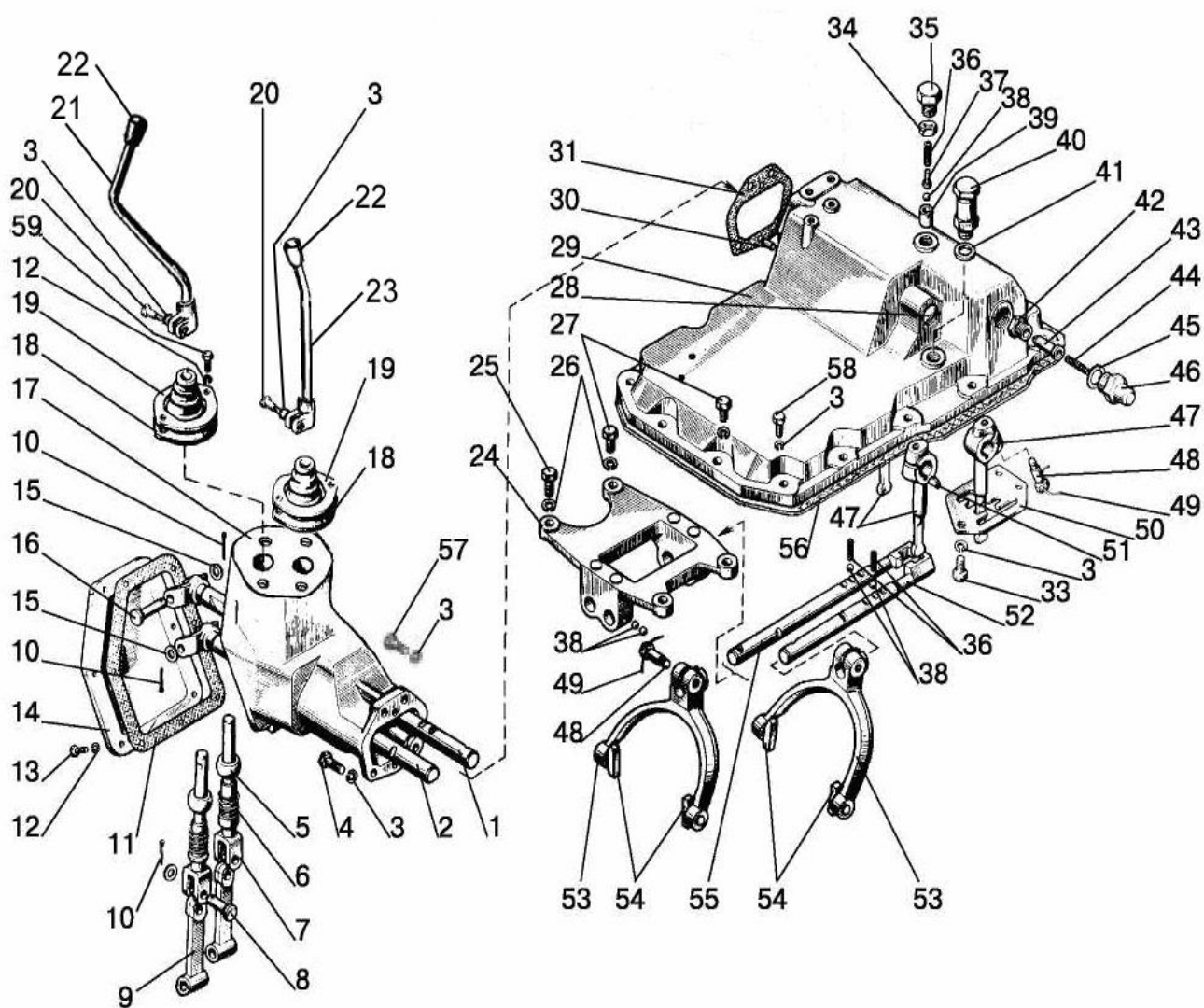


Fig. 17.6 Gearbox control mechanism

Group 17 Gearbox
Subgroup 1702. Gearbox control mechanism

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.6		80-1702010-04	1	Control mechanism (1-20, 27, 28, 29-50)
		80C-1702080	1	Housing (80S-1702090-B, 24, 38, 48, 49, 52, 55, 56)
		80S-1702090-B	2	Yoke (53, 54)
		80C-1702300	1	Limiter (42-46)
	1	80C-1702060	1	Shaft
	2	80C-1702070	1	Shaft
	3		18	Washer 10 OT OST 37.001.115-75
	4		2	Bolt M10-6gh35.88.35.019 GOST 7796-70
	5	142-1702032	2	Sphere
	6	77.37.117	2	Spring
	7	80C-1702074	2	Yoke
	8		2	Pin 12h32 OST 37.001.163-75
	9	80C-1702073	2	Lever
	10		4	Split pin 3,2h18.019 GOST 397-79
	11	80-1702068	1	Gasket
	12		11	Washer 6T OST 37.001.115-75
	13		7	Bolt M6-6gh16.88.35.019 GOST 7798-70
	14	80-1702067	1	Cover
	15	85-4619014	2	Washer
	16		2	Pin 12h55 OST 37.001.163-75
	17	80-1702078-A	1	Housing
	18	55-47-569-A	2	Cover
	19	80C-1702075	2	Washer
	20		2	Bolt M10-6gh30.88.35.019 GOST 7796-70
	21	75-1702600	1	Lever
	22	70-1702125	2	Handle
	23	75-1702500	1	Lever
	24	80C-1702081	1	Housing
	25		2	Bolt M12-6gh35.88.35.019 GOST 7796-70
	26		6	Washer 12 OT OST 37.001.115-75
	27	50-1702092	4	Bolt
	28		1	Blind plug 28-10kp.TS9.hr GOST 3111-81
	29	1221-1702025	1	Cover
	30		2	Dowel 8h16 GOST 3128-70
	31	80C-1702066	1	Gasket
	33		3	Bolt M10-6gh25.88.35.019 GOST 7796-70
	34		1	Nut M16-6N.04.019 GOST 5916-70
	35	70-1703204	1	Bolt
	36	50-1702148-A	3	Spring
	37	80-1704039	1	Guide
	38		5	Ball 10,0-60 GOST 3722-81
	39	70-1703013	1	Bushing

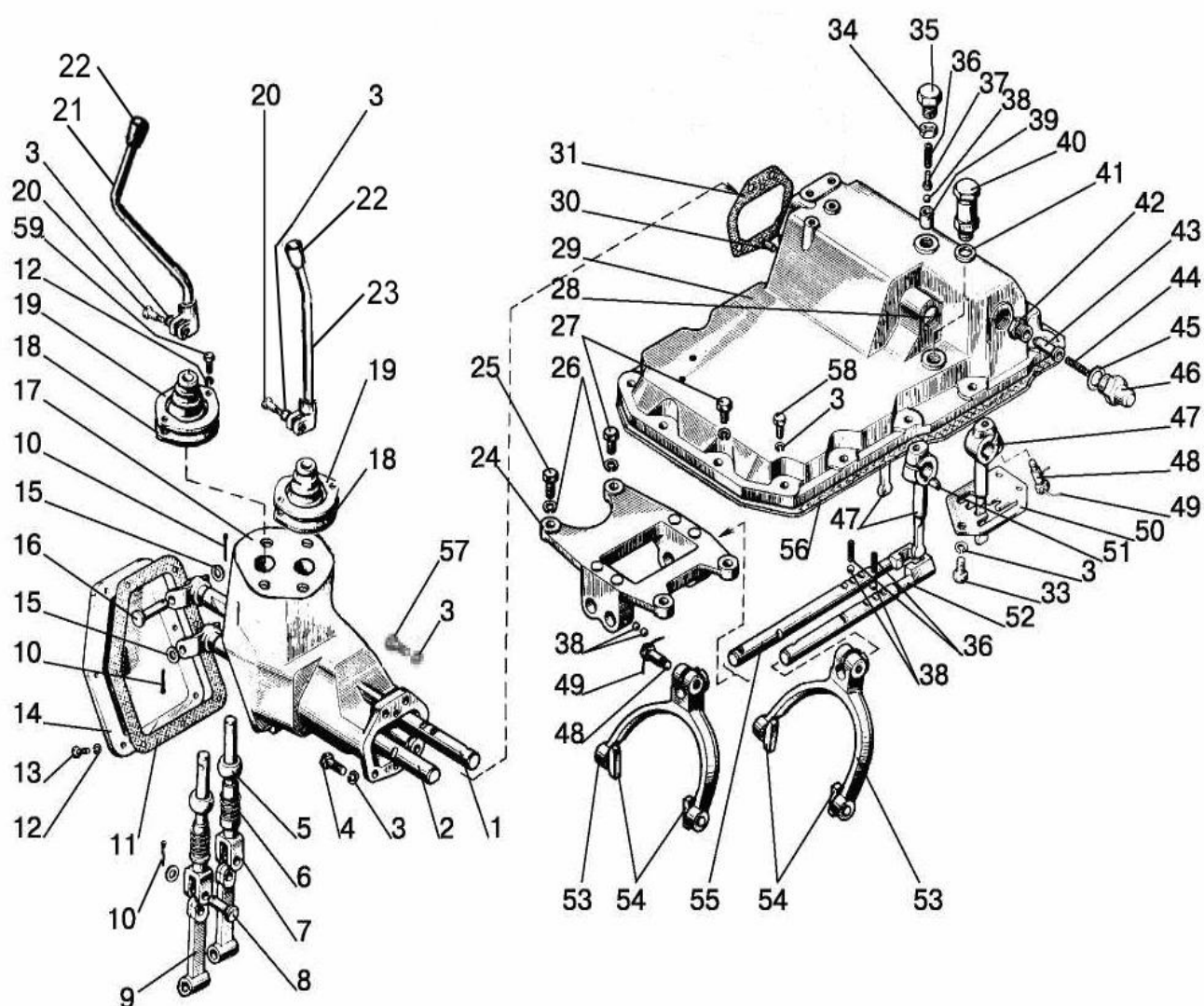


Fig. 17.6 Gearbox control mechanism

Group 17 Gearbox
Subgroup 1702. Gearbox control mechanism

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.6	40	85-1702270	1	Breather
	41	B50-3522023	1	Gasket
	42	80C-1702301	1	Bushing
	43	80C-1702303	1	Detent
	44	80-1737113	1	Spring
	45	80-1702098	1	Washer
	46	80C-1702302	1	Housing
	47	85-1702055	3	Lever
	48	80-1702108	5	Bolt
	49		5	Wire 1,6-O-S GOST 3282-74
	50	75-1702052-A	1	Gate
	51		3	Key 6h10 GOST 24071-97
	52	80C-1702083	1	Carrier
	53	80C-1702091-B	2	Yoke
	54	80C-1702092	4	Holder
	55	80C-1702082	1	Carrier
	56	85-1702026	1	Gasket
	57		2	Bolt M10-6gh40.88.35.019 GOST 7796-70
	58		12	Bolt M10-6gh30.88.35.019 GOST 7796-70
	59		4	Bolt M6-6gh20.88.35.019 GOST 7798-70

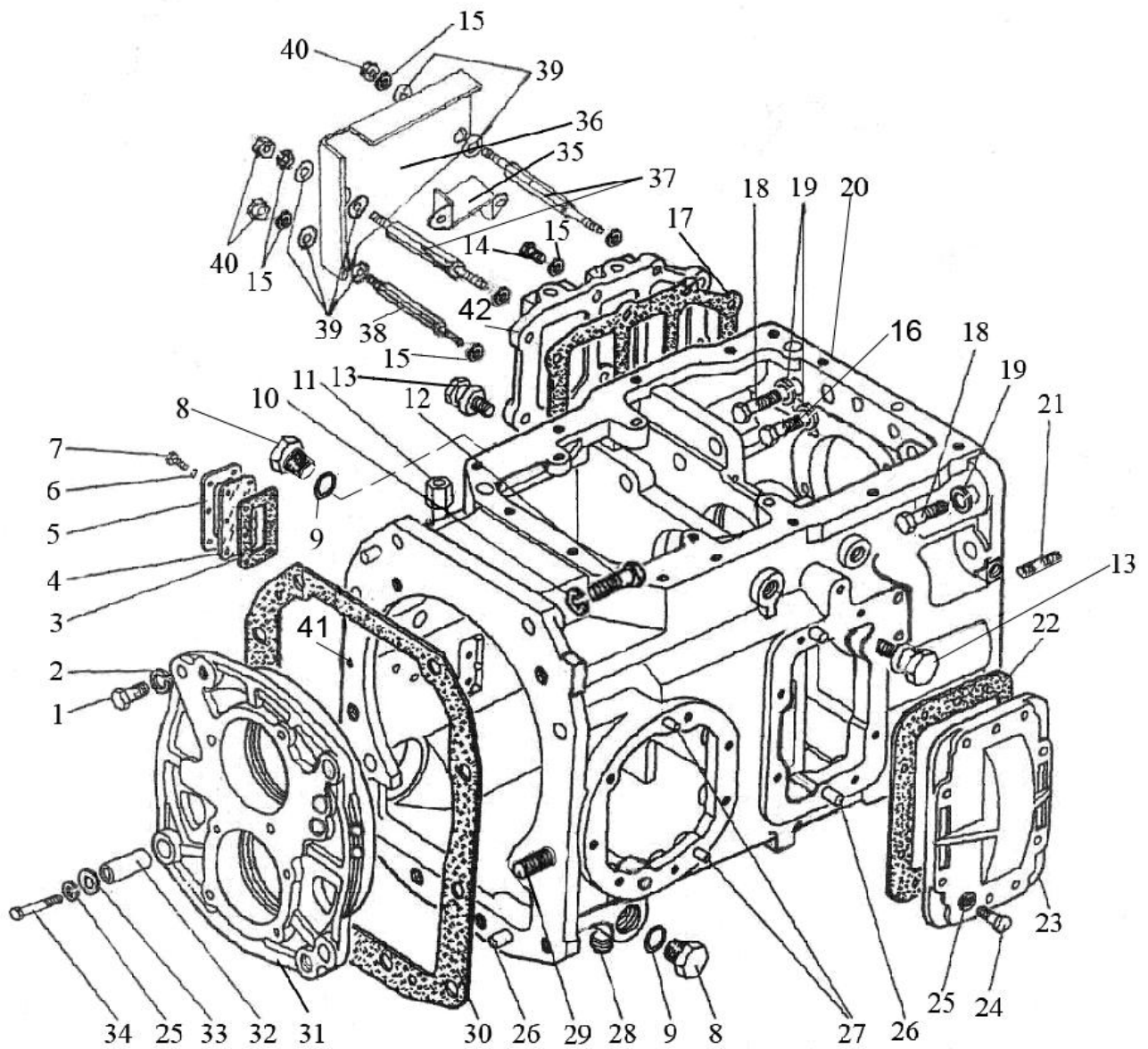


Fig. 17.7 Gearbox 1222-1700010-01/-04 (24F+12R)

Group 17 Gearbox
Subgroup 1701. Gearbox 1222-1700010-01/-04 (24F+12R)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.7		1222-1700010-01 or 1222-1700010-04 с ходом уменьшителем	1 1	Gearbox Gearbox
	1		2	Bolt M16-6gh45.88.35.019 GOST 7796-70
	2		2	Washer 16 OT OST 37.001.115-75
	3	85-4608086-A	1	Gasket
	4	85-4608087	1	Pointer
	5	85-4608088	1	Plate
	6		6	Washer 6T OST 37.001.115-75
	7		6	Bolt M6-6gh16.88.35.019 GOST 7798-70
	8	80-4608021	2	Blind plug
	9		2	Ring 027-032-30-1-4 GOST 18829-73/ GOST 9833-73
	10		4	Washer 20 OT OST 37.001.115-75
	11	1221-1737099	1	Fitting
	12	70-4605036	4	Bolt
	13	50-1002318-B	2	Eye bolt
	14		6	Bolt M10-6gh35.88.35.019 GOST 7796-70
	15		12	Washer 10 OT OST 37.001.115-75
	16	1221-2401011-02	1	Bolt
	17	80-1701399-B	1	Gasket
	18	1221-2401011-01	8	Bolt
	19		9	Washer 18 OT OST 37.001.115-75
	20	1523-1701025	1	Housing
	21	1522-1701525	3	Stud
	22	50-1701456-A	1	Gasket
	23	70-1701454-A2-01	1	Cover
	24		7	Bolt M12-6gh30.88.35.019 GOST 7796-70
	25		9	Washer 12 OT OST 37.001.115-75
	26	D01-015	4	Dowel pin
	27	SHTSK 10x25	4	Dowel
	28	PK KG 3/8"	1	Plug
	29	80-1701525	1	Stud M20 3r/6gh65.66.019 GOST 22034-76
	30	80-1701026	1	Gasket
	31	1222-1701034	1	Body
	32	1222-1701071	2	Dowel
	33	1222-1701072	2	Washer
	34		2	Bolt M12-6gh60.88.35.019 GOST 7796-70
	35	1221-1802089-A	1	Clip
	36	1221-1802093	1	Plate
	37	1221-1802094	2	Stud
	38	1221-1802094-01	1	Stud
	39		6	Washer S.10.01.019 GOST 11371-78
	40		3	Nut M10-6N.6.019 GOST 5915-70
	41		1	Ball 10,0-60 GOST 3722-81
	42	1221-1802016	1	Cover

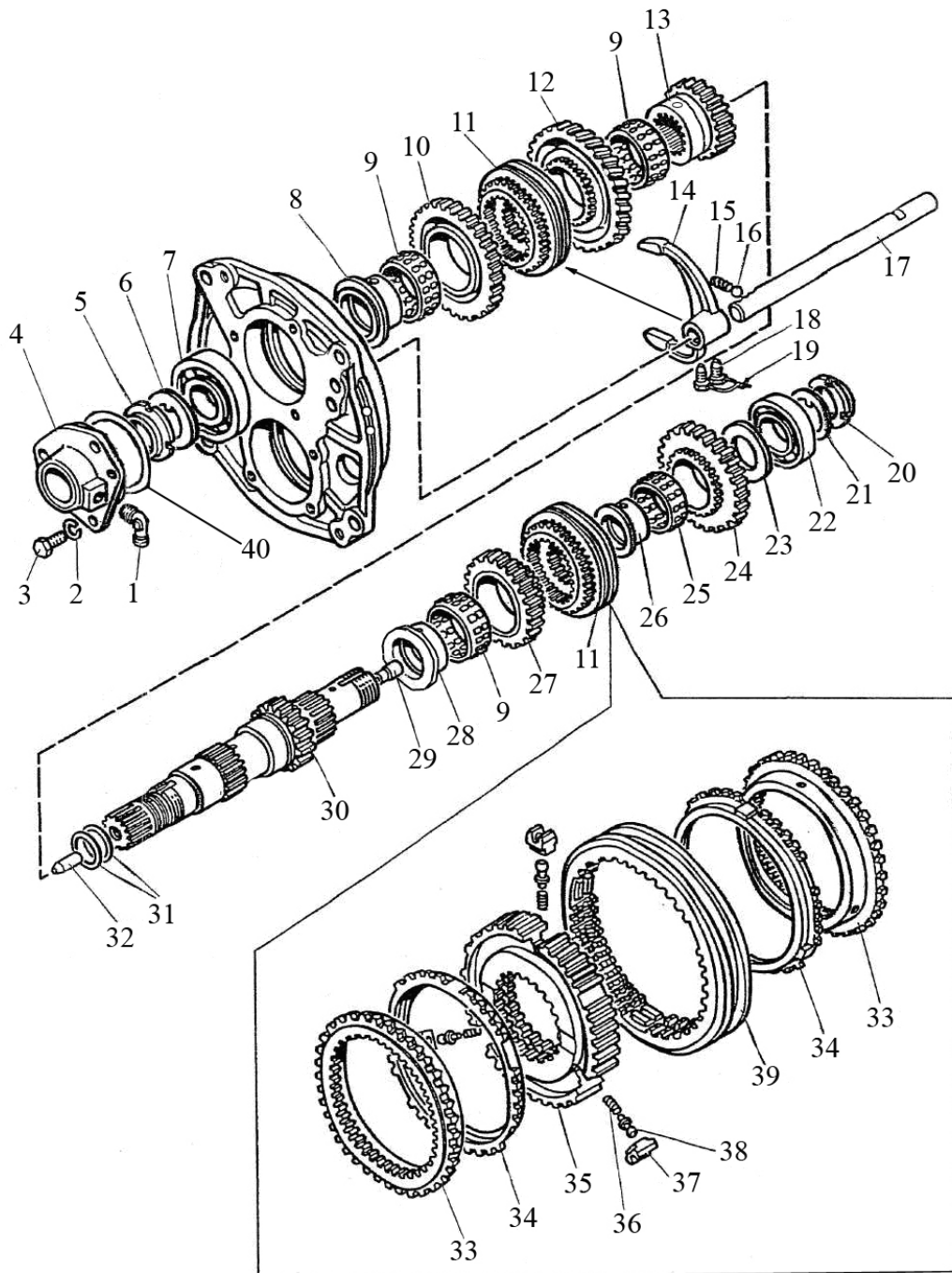


Fig. 17.8 Primary shaft

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.8	1	86-1802088	1	Angle piece
	2		3	Washer 12 OT OST 37.001.115-75
	3		3	Bolt M12-6gh30.88.35.019 GOST 7796-70
	4	1222-1701030	1	Body
	5	80-1701047	1	Nut
	6	80-1701186	1	Washer
	7		1	Bearing 311 A GOST 8338-75 or Bearing 6-311 ASH1 GOST 8338-75
	8	1222-1701043	1	Bushing
	9		3	Bearing 3KK 78h89h38 E TU RB 00234873.003-99
	10	1222-1701052	1	Gear
	11	557525 or 1222-1701400*	2	Synchronizer GT-C 114; 3.53685.3 Synchronizer
	12	1523K-1701054	1	Gear
	13	1222-1701044	1	Gear
	14	1222-1702088	1	Yoke
	15	50-1702148-A	1	Spring
	16		1	Ball 10,0-60 GOST 3722-81
	17	1222-1702082	1	Carrier
	18	220-1702061	2	Bolt
	19		200 mm	Wire 1,6-O-S GOST 3282-74
	20	80-1701045	1	Nut
	21	80-1701056	1	Washer
	22		1	Bearing 309 K GOST 8338-75
	23	1222-1701049	1	Washer
	24	1222-1701048	1	Gear
	25		1	Bearing KK 62h70h31 E (664913E) TU RB 00234873.003-99
	26	1222-1701047	1	Bushing
	27	1222-1701042	1	Gear
	28	1523-1701046	1	Bushing
	29	80-1701053	1	Throttle
	30	1523-1701032	1	Gear shaft
	31	2522-1802083	2	O-Ring
	32	50-1601352	1	Dowel pin
	33	1222-1701393*	2	Taper collar
	34	1222-1701390*	2	Lock ring
	35	1222-1701392*	1	Cluster gear
	36	1222-1701396*	3	Spring
	37	1222-1701397*	3	Pusher
	38	1222-1701398*	3	Detent
	39	1222-1701394*	1	Clutch
	40	1222-1701033	0-3	Washer

* For synchronizer 1222-1701400

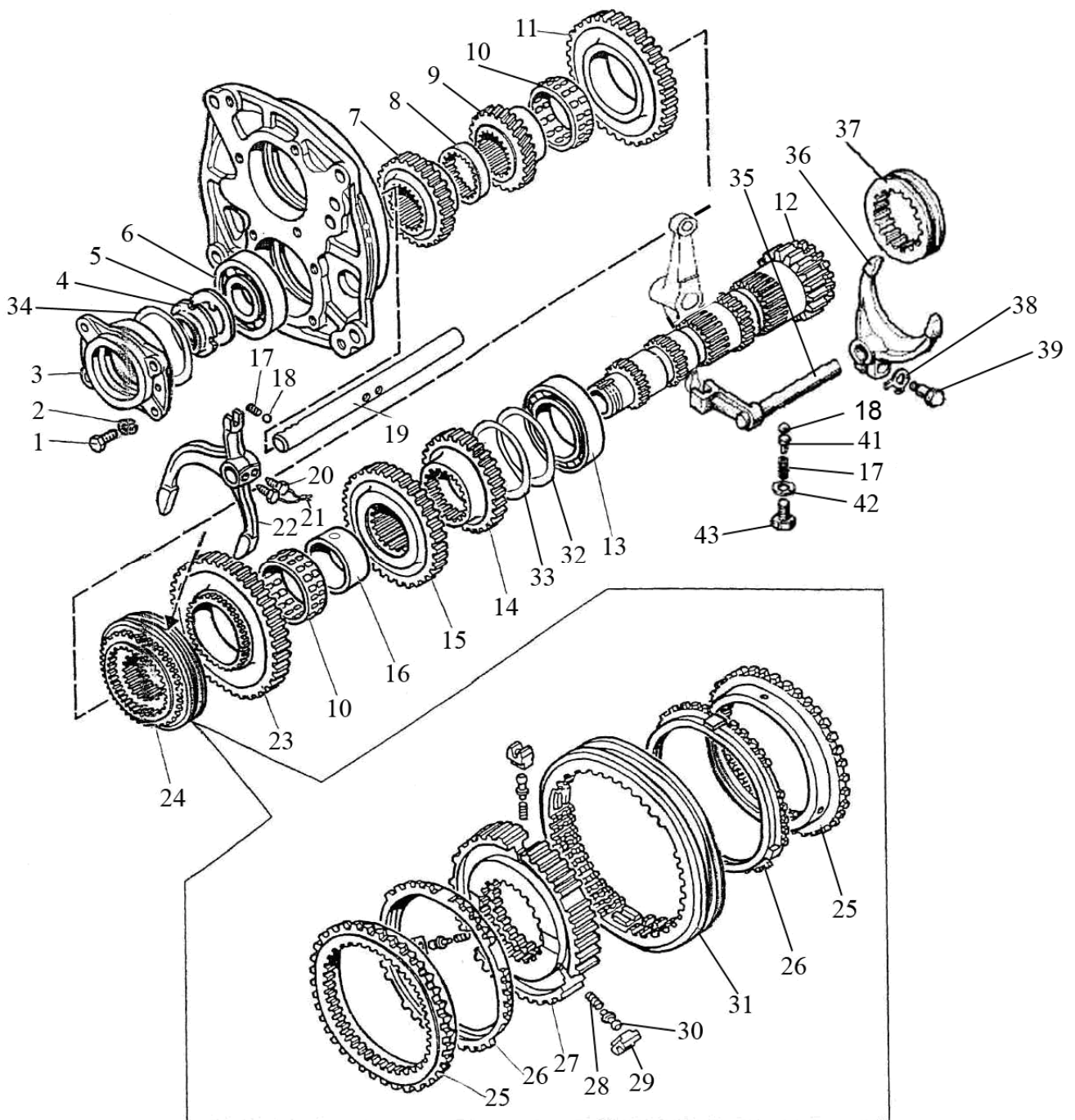


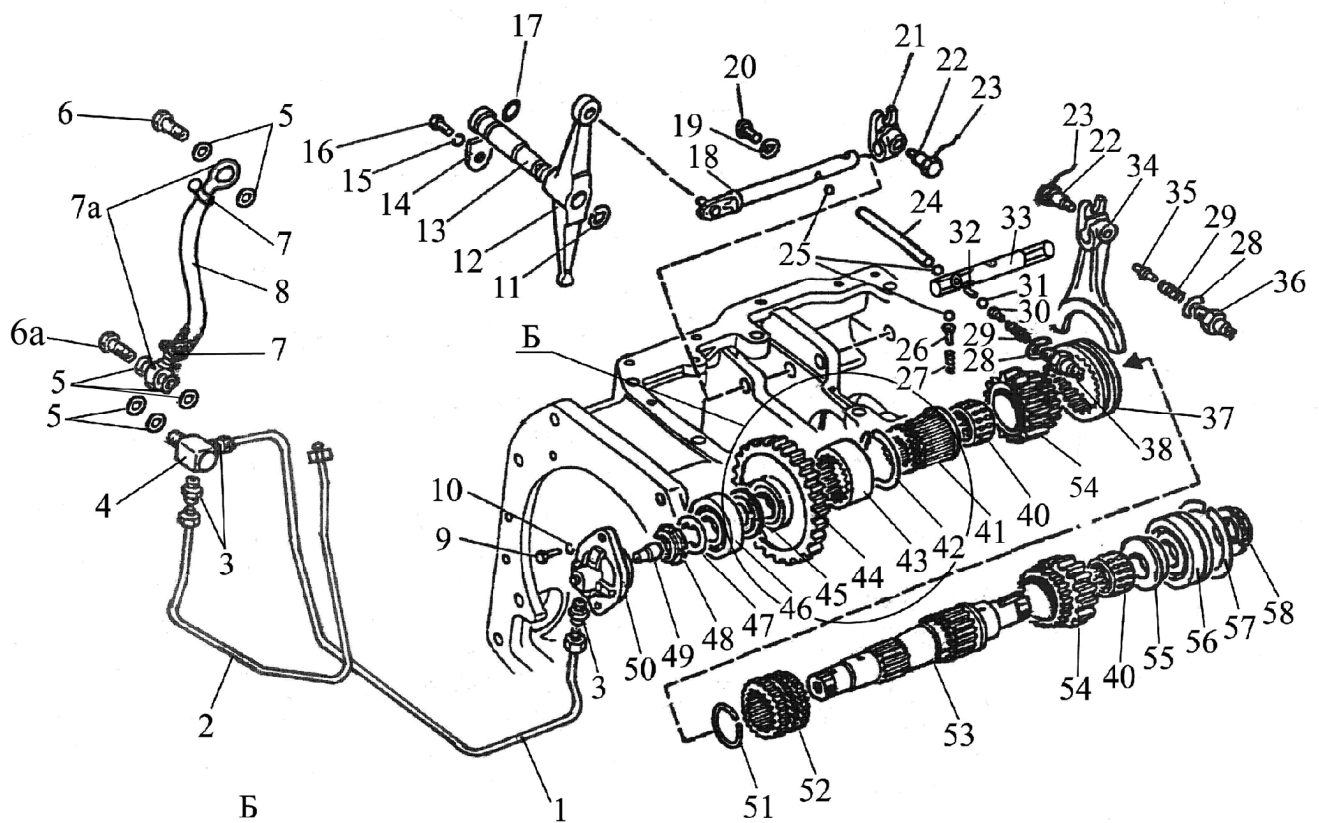
Fig. 17.9 Intermediate shaft

Group 17 Gearbox
Subgroup 1701. Intermediate shaft

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.9		1222-1701190-A-01	1	Intermediate shaft (7-16, 23, 24, 32, 33)
	1		4	Bolt M10-6gh30.88.35.019 GOST 7796-70
	2		4	Washer 10 OT OST 37.001.115-75
	3	2022-1701151	1	Body
	4	80-1701047	1	Nut
	5	80-1701186	1	Washer
	6		1	Bearing 311 A GOST 8338-75 or Bearing 6-311 ASH1 GOST 8338-75
	7	1222-1701217	1	Gear
	8	1222-1701213	1	Bushing
	9	1523K-1701219-A	1	Gear
	10		2	Bearing 3KK 78h89h38 E TU RB 00234873.003-99
	11	1222-1701214-A	1	Gear
	12	1222-1701182-A	1	Gear shaft
	13		1	Bearing 3514 N GOST 5721-75
	14	1222-1701218	1	Gear
	15	1222-1701216	1	Gear
	16	1222-1701046-A	1	Bushing
	17	50-1702148-A	2	Spring
	18		2	Ball 10,0-60 GOST 3722-81
	19	1222-1702087	1	Carrier
	20	220-1702061	2	Bolt
	21		200 mm	Wire 1,6-O-S GOST 3282-74
	22	1222-1702089	1	Yoke
	23	1523-1701212-A	1	Gear
	24	557525 or 1222-1701400*	1	Synchronizer GT-C 114; 3.53685.3 Synchronizer
	25	1222-1701393*	2	Taper collar
	26	1222-1701390*	2	Lock ring
	27	1222-1701392*	1	Cluster gear
	28	1222-1701396*	3	Spring
	29	1222-1701397*	3	Pusher
	30	1222-1701398*	3	Detent
	31	1222-1701394*	1	Clutch
	32	1222-1701223**	0-4	Washer
	33	1222-1701223-01**	0-3	Washer
	34	1222-1701033**	0-3	Washer
	35	1520-1702038	1	Carrier
	36	85-1702034	1	Yoke
	37	1520-1701184	1	Clutch
	38	80-1702311	1	Washer
	39	80-1702108	1	Bolt
	41	80-1704039	1	Guide
	42	85-1702051	1	Washer
	43		1	Bolt M12-6gh55.88.35.019 GOST 7795-70

* For synchronizer 1222-1701400

** Selection.



Variant with creeper

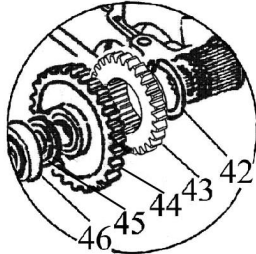


Fig. 17.10 Low gears and reverse shaft

Group 17 Gearbox
Subgroup 1701. Low gears and reverse shaft

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.10		75-1701320	1	Shaft (40-1pcs., 53, 55-58)
		80-1701310	1	Body (3-1pcs., 49, 50)
		1222-1702130-01	1	Oil pipeline (7, 7a, 8)
	1	80-1701420	1	Pipe
	2	80-1701430	1	Pipe
	3	80-1701549	3	Fitting
	4	80-1701057	1	Fitting
	5	D18-055-A	7	O-Ring
	6	D18-051	1	Bolt
	6a	240-1111103	1	Bolt of rotary angle piece
	7	507171 or	2	Clamp/Clamp NORMA TORRO 12-22/971
		506004		Clamp "NORMA" TORRO 12-20/9-C6W
	7a	F80-3407720	2	Oil pipeline
	8	1222-1702131-01	1	Hose
	9		2	Bolt M8-6gh20.88.35.019 GOST 7796-70
	10		2	Washer 8T OST 37.001.115-75
	11		1	Ring S25 GOST 13940-86
	12	85-1702041	1	Rocker arm
	13	85-1702042	1	Axle
	14	85-1702043	1	Plate
	15		1	Washer 10 OT OST 37.001.115-75
	16		1	Bolt M10-6gh20.88.35.019 GOST 7796-70
	17		1	Ring 026-030-25-2-2 GOST 18829-73/ GOST 9833-73
	18	85-1702050	1	Carrier
	19	85-1702051	1	Washer
	20		1	Bolt M12-6gh25.88.35.019 GOST 7796-70
	21	85-1702045	1	Carrier
	22	80-1702108	2	Bolt
	23		(2h200) mm	Wire 1,6-O-C GOST 3282-74
	24	85-1702046	1	Pin
	25		3	Ball 10,0-60 GOST 3722-81
	26	80-1704039	1	Guide
	27	50-1702148-A	1	Spring
	28	50-1702048*	1-10	Shim washer
	29	12-23-668-A	2	Spring
	30	85-1702305	1	Dowel
	31		1	Ball 12,7-60 GOST 3722-81
	32	85-1702301	1	Axle
	33	1522-1702035	1	Carrier
	34	1222-1702027	1	Yoke
	35	1522-1702306	1	Dowel
	36		1	Switch VK 12-51 TU RB 37334210.004-97

* Selection

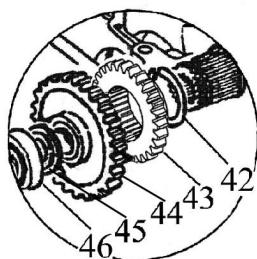
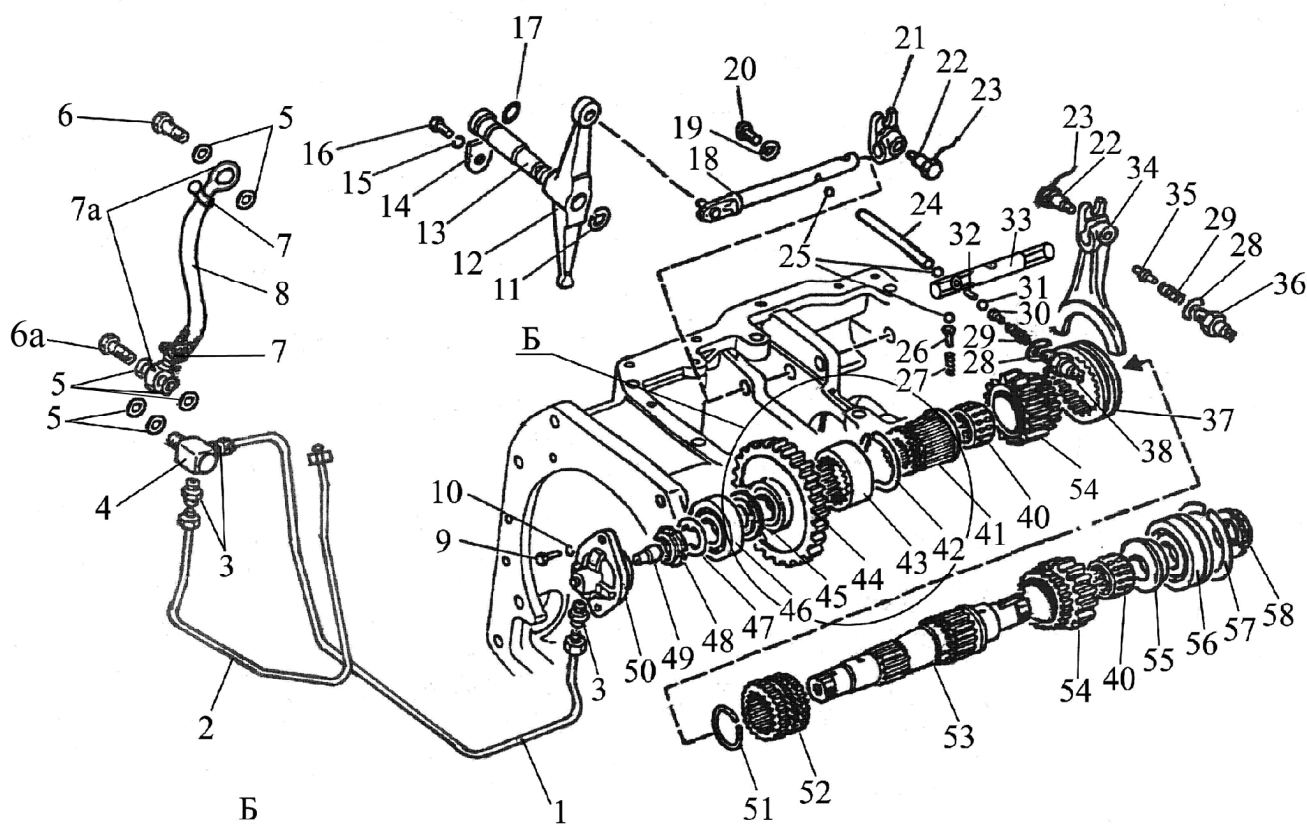


Fig. 17.10 Low gears and reverse shaft

Group 17 Gearbox
Subgroup 1701. Low gears and reverse shaft

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.10	37	112-1701343	1	Clutch
	38		1	Switch VK 12-41 TU RB 37334210.015-97
	40		2	Bearing KK 52h60h39 E (664910E) TU RB 00234873.003-99
	41	80-1701346 or 80-1701346-01 (s hodoumen'shitelem)	1	Bushing
	42		1	Ring 2S70 GOST 13940-86
	43	1222-1701344 or 1025-1701344 (s hodoumen'shitelem)	1	Bushing Gear
	44	1520-1701340	1	Gear
	45	80-1701306	1	Washer
	46		1	Bearing 12507 KM GOST 8328-75
	47	86-1802052	1	Washer
	48	52-2308097	1	Nut
	49	80-1701053	1	Throttle
	50	80-1701311-A	1	Body
	51	54-31-472	1	Spring ring
	52	75-1701352	1	Bushing
	53	75-1701335	1	Shaft
	54	1222-1701361	2	Gear
	55	80-1701339	1	Bushing
	56		1	Bearing 692309 KM GOST 8328-75
	57	80-1701396	1	Ring
	58	80-1701045	1	Nut

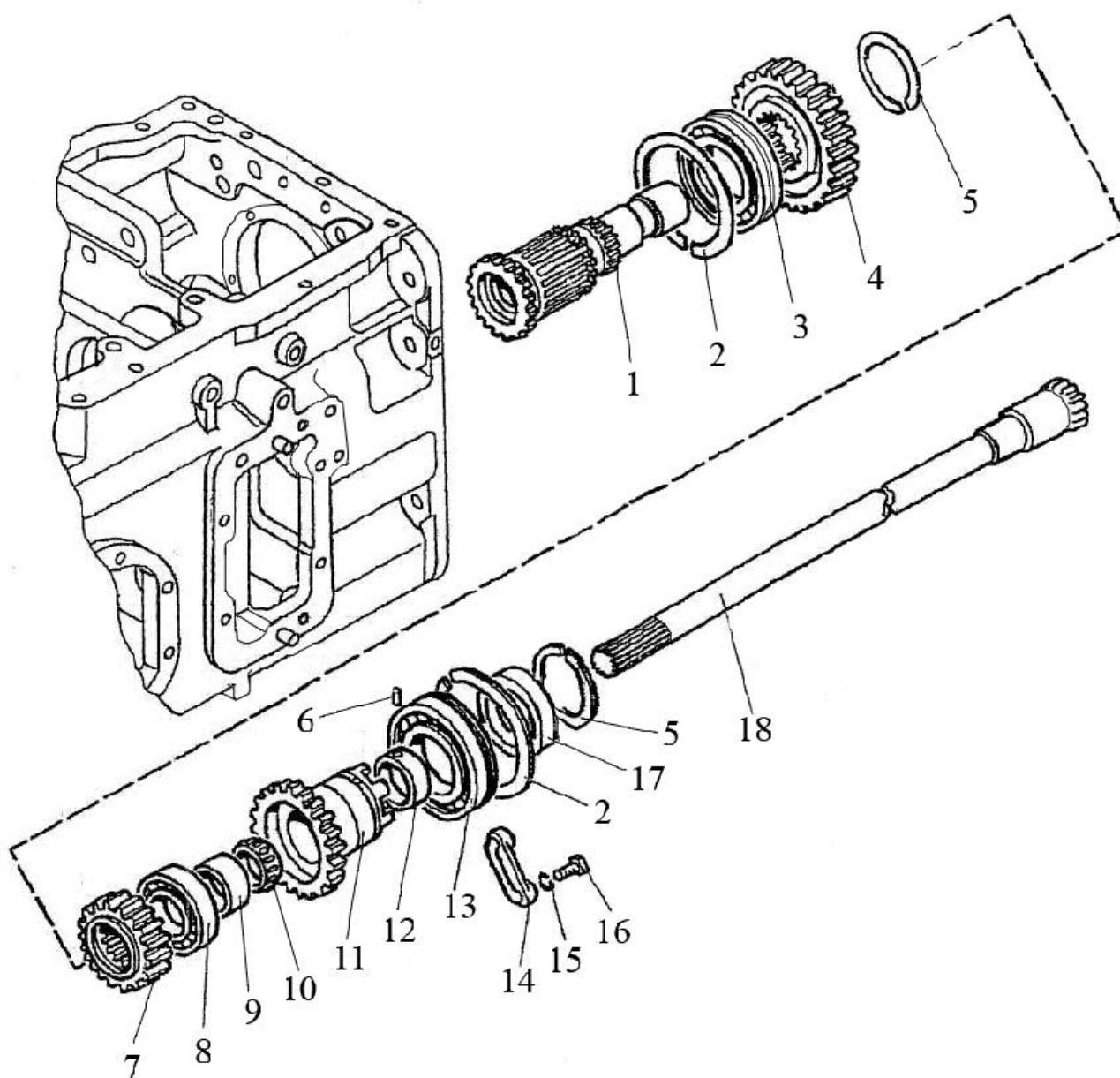


Fig. 17.11 Gear train shaft

Group 17 Gearbox
Subgroup 1701. Gear train shaft

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.11		112-1701200	1	Gear (112-1701230, 2-1 pc., 5-1 pc., 8-10, 13, 17)
		112-1701230	1	Gear (6, 11, 12)
	1	80-1701240	1	Shaft
	2	80-1701206	2	Ring
	3		1	Bearing 692215 K1M GOST 8328-75
	4	1525-1701221	1	Gear
	5		2	Ring 2S75 GOST 13940-86
	6		1	Dowel 2.4h8 GOST 3128-70
	7	1222-1701224	1	Gear
	8		1	Bearing 42210 M GOST 8328-75
	9	80-1701203	1	Bushing
	10		1	Bearing K 49,8h60,8h24 E (864710E) GOST 24310-80
	11	112-1701202	1	Gear
	12	80-1701201	1	Bushing
	13		1	Bearing 50215 A GOST 8338-75 / GOST 2893-82
	14	80-1701205	2	Strip
	15		4	Washer 10 OT OST 37.001.115-75
	16		4	Bolt M10-6gh30.88.35.019 GOST 7796-70
	17	80-1701207-01	1	Bushing
	18	1522-1701160	1	Shaft

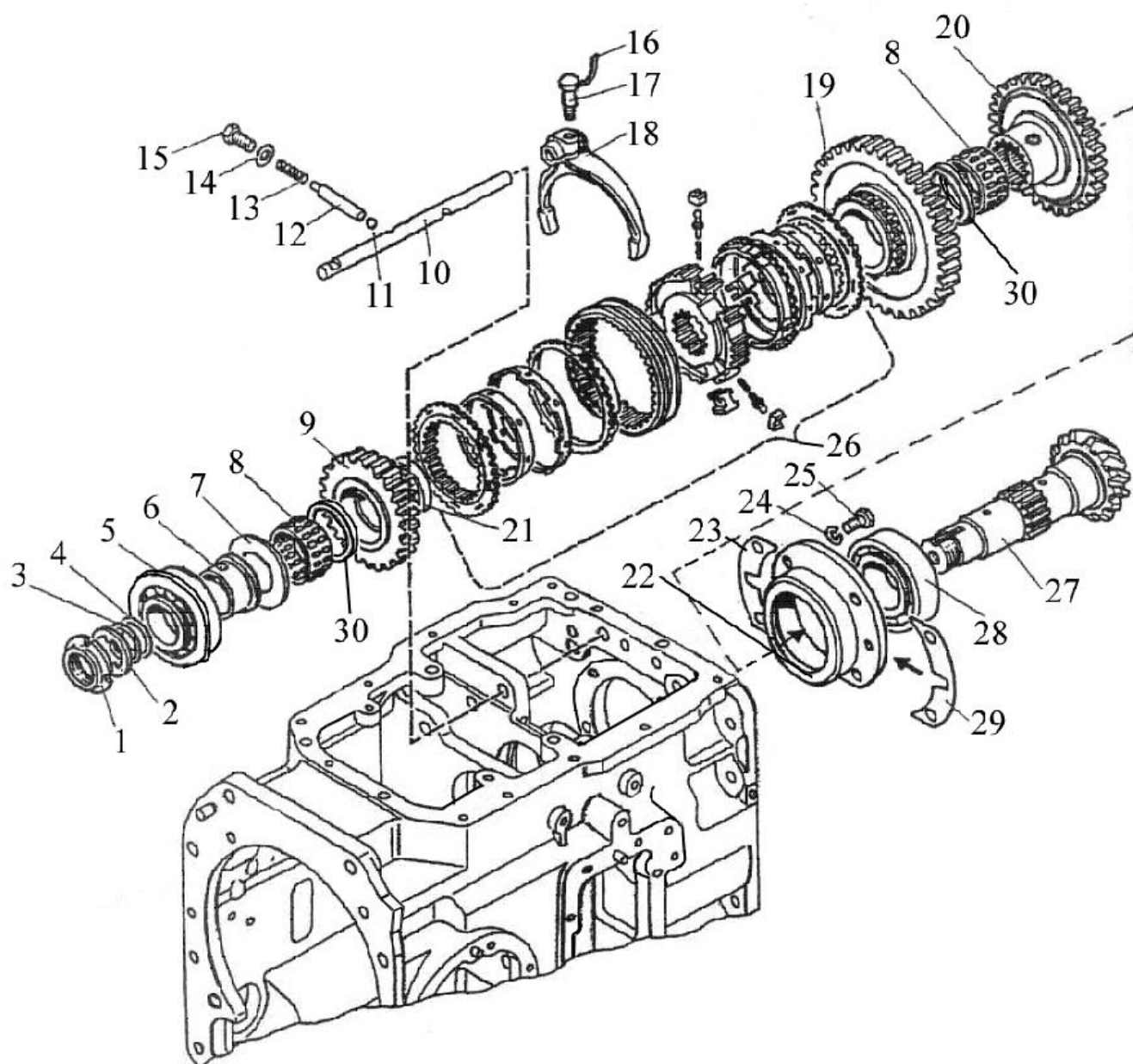


Fig. 17.12 Secondary shaft

Group 17 Gearbox
Subgroup 1701. Secondary shaft

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.12		1222-1701050	1	Shaft (27, inner cage with rollers pos. 28)
		80-1701140-B	1	Seat (22, outer cage of bearing pos. 28)
	1	80-1701045	1	Nut
	2	1522-1701354	1	Washer
	3	1522-1701254	5	Washer
	4	1522-1701254-01	5	Washer
	5		1	Bearing 6-67512 ASH2 GOST 27365-87
	6	1522-1701350	1	Bushing
	7	1222-1701353	1	Washer
	8		2	Bearing KK 70h78h31 E (664514E) TU RB 00234873.003-99
	9	1525-1701314-A	1	Gear
	10	1222-1702037	1	Carrier
	11		1	Ball 10,0-60 GOST 3722-81
	12	85-1702048	1	Dowel
	13	50-1702148-A	1	Spring
	14	85-1702051	1	Washer
	15		1	Bolt M12-6gh25.88.35.019 GOST 7796-70
	16		200 mm	Wire 1,6-O-S GOST 3282-74
	17	80-1702108	1	Bolt
	18	1222-1702029	1	Yoke
	19	1222-1701312-A	1	Gear
	20	1222-1701313	1	Gear
	21	1222-1701349	1	Bushing
	22	80-1701141-B	1	Body
	23	50-1701258	1-6	Gasket
	24		4	Washer 10 OT OST 37.001.115-75
	25		4	Bolt M10-6gh30.88.35.019 GOST 7796-70
	26		1	Synchronizer GT-D 109/116; 3.26299.3
	27	1222-1701252	1	Gear shaft
	28		1	Bearing 7712 A GOST 27365-87
	29	50-1701259	1-4	Gasket
	30	2025-1701033	2	Bushing

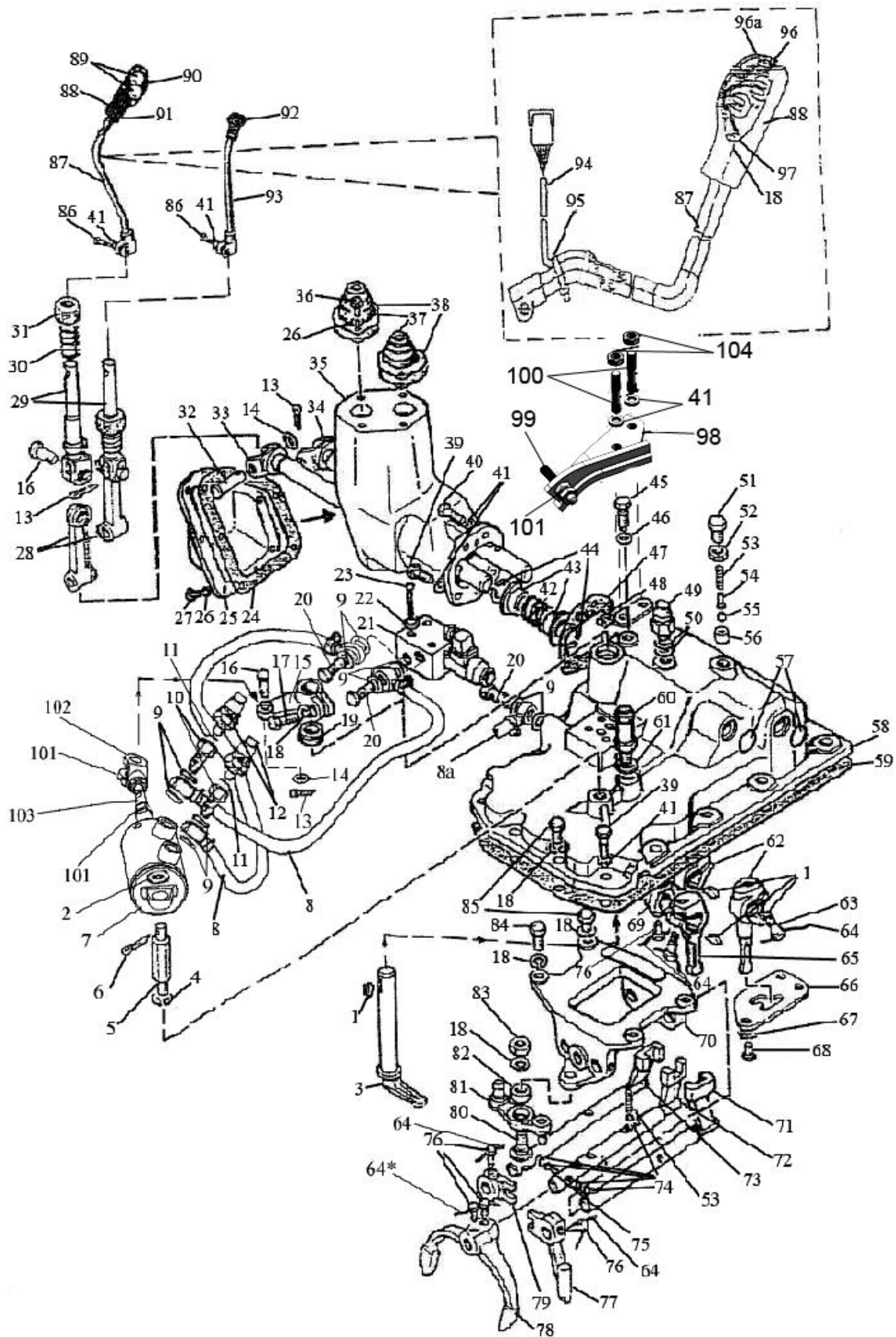


Fig. 17.13 Gearbox control mechanism

Group 17. Gearbox
Subgroup 1702. Gearbox control mechanism

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.13		1222-1702010-A-01	1	Control mechanism
		1222-1702080	1	Fork housing (18-1 pc., 53-1 pc., 64 (2h200+200*=600 mm), 70-83)
	1		4	Key 6h10 GOST 24071-97
	2		1	Washer S 16.01.019 GOST 11371-78
	3	1222-1702093	1	Lever
	4		1	Washer 18 OT OST 37.001.115-75
	5	1222-1702096-B	1	Axle
	6		1	Split pin 3,2h25.019 GOST 397-79
	7	2102-4216110-B	1	Cylinder
	8	1222-1702130	2	Oil pipeline
	8a	1222-1702130-01	1	Oil pipeline
	9	D18-055-A	10	O-Ring
	10	1222-1702114	2	Fitting
	11		2	Ring 009-012-19-1-4 GOST 18829-73/ GOST 9833-73
	12		2	Sensor DSDM-M TU RB 07513211.004-94
	13		5	Split pin 3,2h18.019 GOST 397-79
	14	85-4619014	3	Washer
	15	1222-1702092	1	Lever
	16		3	Pin 12h32 OST 37.001.163-97
	17		1	Bolt M12-6gh35.88.35.019 GOST 7796-70
	18		8	Washer 12 OT OST 37.001.115-75
	19		1	Collar 2.2-25h42-1 GOST 8752-79/ OST 3805146-78
	21	525285 or	1	Hydraulic distributor 1RGE-6T/ 3.574E.G12.O1 TU RB 400051624.093- 2004
		576702 or		Hydraulic distributor RH 06101-012/00GA-AMR
		564187		Hydraulic distributor HDZ3-EVS.34.XPZ-012C AMP
	22		4	Washer 5T OST 37.001.115-75
	23		4	Screw V.M5-6gh50.58.019 GOST 17473-80
	24	80-1702068	1	Gasket
	25	80-1702067	1	Cover
	26		11	Washer 6T OST 37.001.115-75
	27		7	Bolt M6-6gh16.88.35.019 GOST 7798-70
	28	80S-1702073	2	Lever
	29	80S-1702074	2	Yoke
	30	77.37.117	2	Spring
	31	142-1702032	2	Sphere
	32		2	Pin 12h55 OST 37.001.163-97
	33	1222-1702070	1	Shaft
	34	80S-1702060	1	Shaft
	35	80-1702078-A	1	Housing
	36		4	Bolt M6-6gh20.88.35.019 GOST 7798-70
	37	55-47-569-A	2	Cover
	38	80S-1702075	2	Washer
	39		14	Bolt M10-6gh35.88.35.019 GOST 7796-70
	40		2	Bolt M10-6gh40.88.35.019 GOST 7796-70
	41		20	Washer 10 OT OST 37.001.115-75
	42	80-4608057	1	Spring
	43	1222-1702064	2	Bushing

44	2	Ring S25 GOST 13940-86
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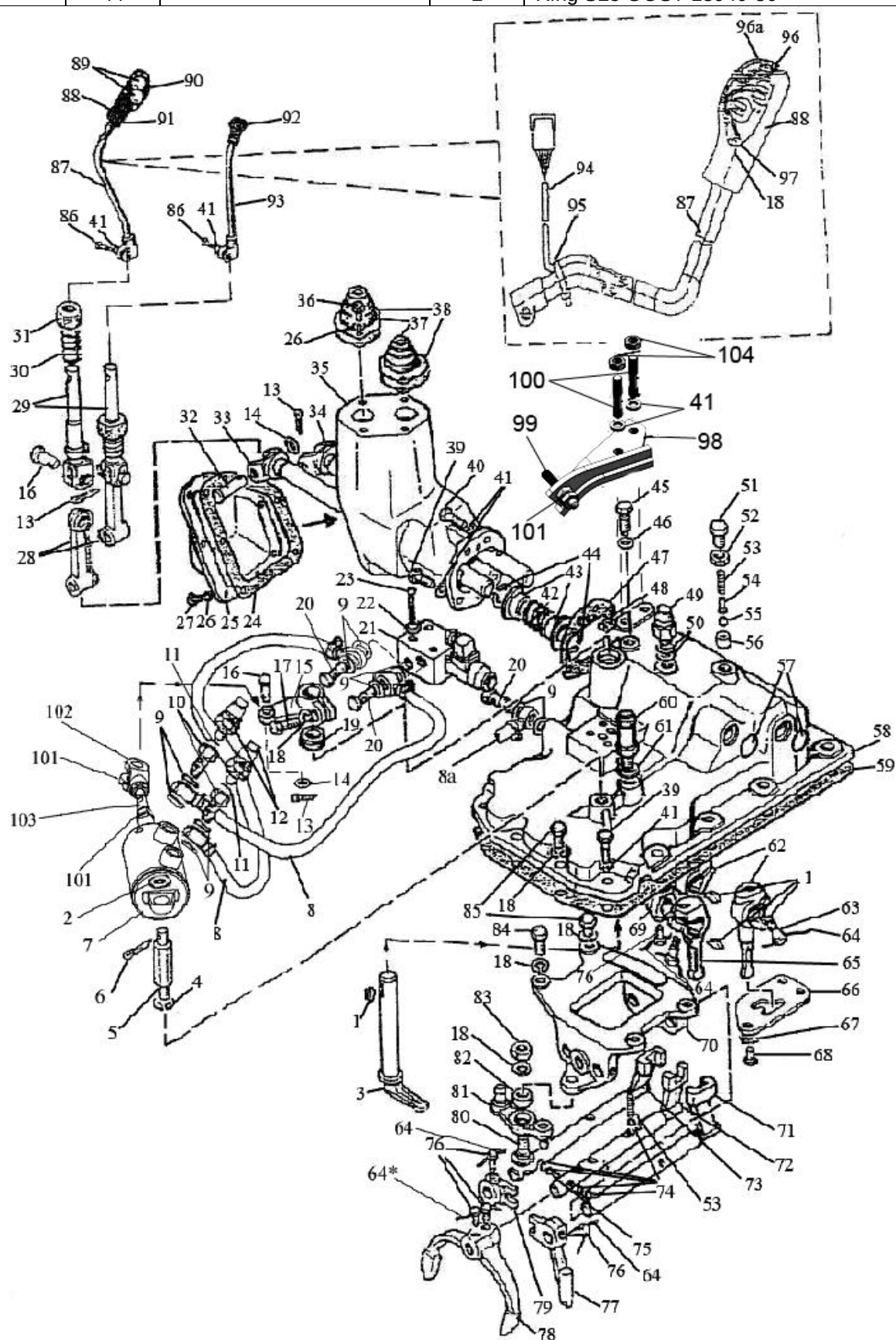


Fig. 17.13 Gearbox control mechanism

Group 17. Gearbox
Subgroup 1702. Gearbox control mechanism

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.13	45	1222-1702048	1	Screw
	46	85-1702051	1	Washer
	47	80C-1702066	1	Gasket
	48		2	Dowel 8h16 GOST 3128-70
	49		1	Switch VK 12-41 TURB 37334210.015-97
	50	50-1702048	10	Shim washer
	51	70-1703204	1	Bolt
	52		1	Nut M16-6N.04.019 GOST 5916-70
	53	50-1702148-A	2	Spring
	54	80-1704039	1	Guide
	55		1	Ball 10,0-60 GOST 3722-81
	56	70-1703013	1	Bushing
	57		2	Blind plug 28-10кр.TS9.hr GOST 3111-81
	58	1222-1702030-B	1	Cover
	59	85-1702026	1	Gasket
	60	85-1702270	1	Breather
	61	B50-3522023	1	Gasket
	62	85-1702055	2	Lever
	63	80-1702108	3	Bolt
	64		(6h200+ 200*) mm	Wire 1,6-O-C GOST 3282-74
	65	1222-1702055	1	Lever
	66	1222-1702052	1	Gate
	67	80-3401013	3	Washer
	68		3	Bolt M10-6gh20.88.35.019 GOST 7796-70
	69	1222-1702074	1	Bushing
	70	1222-1702081	1	Housing
	71	1222-1702084	1	Carrier
	72	1222-1702086	1	Carrier
	73	1222-1702083	1	Carrier
	74		5	Ball 9,922-100 GOST 3722-81
	75	85-1702301	1	Axle
	76	220-1702061	5	Bolt
	77	1222-1702109	1	Carrier
	78	1222-1702091	1	Yoke
	79	1222-1702107	1	Limiter
	80	1222-1702112	1	Axle
	81	1222-1702105	1	Rocker arm
	82		1	Bearing 941/20 GOST 4060-78
	83		1	Nut M12-6N.6.019 GOST 5915-70
	84		2	Bolt M12-6gh30.88.35.019 GOST 7796-70
	85	50-1702092	4	Bolt
	86		2	Bolt M10-6gh30.88.35.019 GOST 7796-70
	87	1222-1702610-A1	1	Lever
	88	75-1702505	1	Handle
	89		2	Switch VK 12-1 TSIKS 642241.001 TU
	90		4	Screw 1-4h25.019 GOST 1144-80
	91	75-1702502	1	Cover
	92	A15.05.020	1	Handle

* Wire for locking of two bolts pos. 76 for fork pos.78 fastening assembly of gear box.

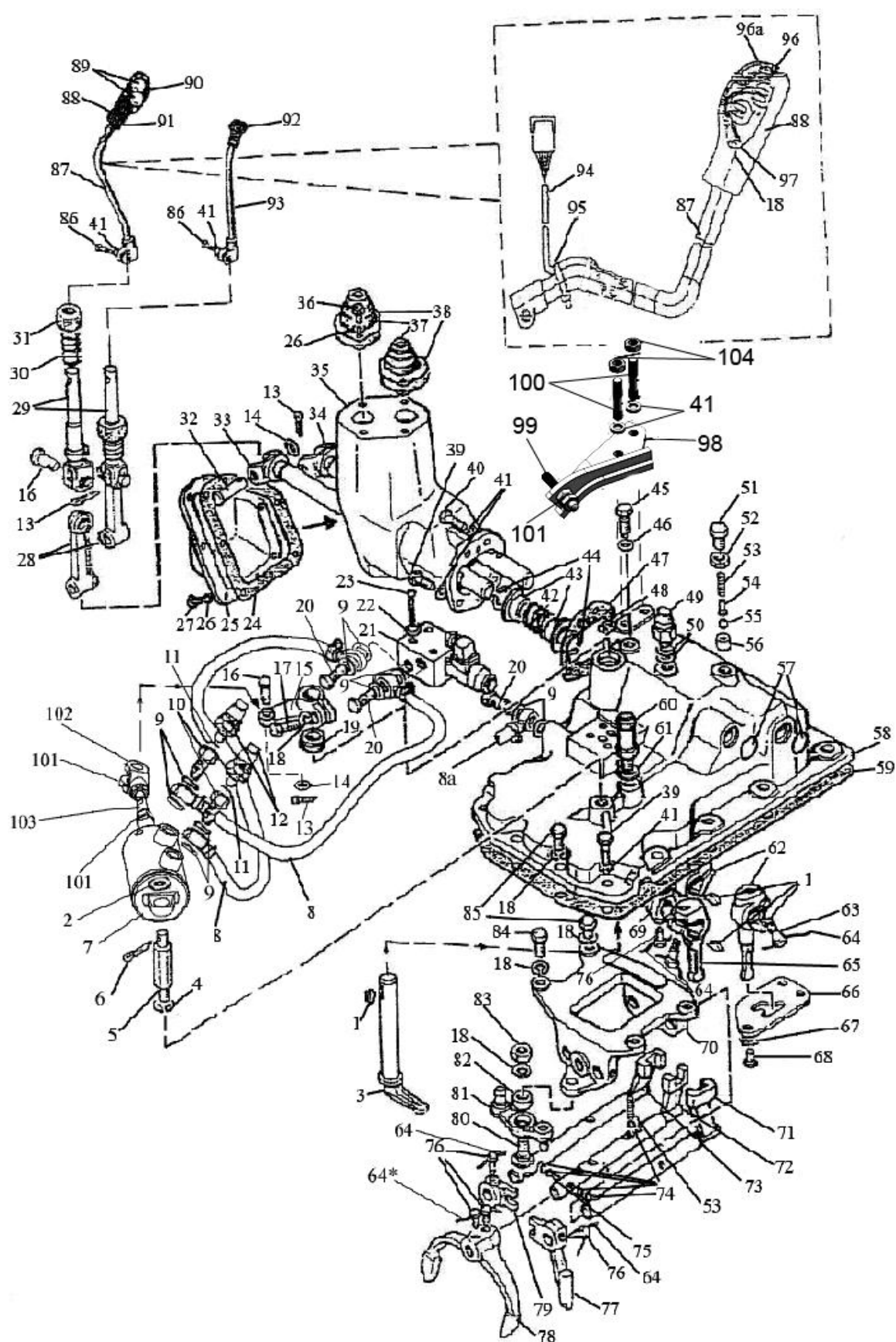


Fig. 17.13 Gearbox control mechanism

Group 17 Gearbox
Subgroup 1702. Gearbox control mechanism

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.13	93	2022-1702500-A	1	Lever
	94	1221-3724925-A	1	Bundled cable
	95	80-3723045	1	Collar
	96		1	Light-emitting diode AL 307 KM aA0.336.076 TU (red)
	96a		1	Light-emitting diode AL 307 NM aA0.336.076 TU (yellow)
	97		1	Nut M12h1,25-6N.6.019 GOST 5915-70
	98	2022-1702090-B	1	Bracket
	99	2022-1702093	1	Bolt
	100	2022-1702142	2	Stud
	101		3	Nut M10-6N.04.019 GOST 5916-70
	102	822-3502203	1	Yoke
	103	2022-1702094	1	Stud
	104		2	Nut M10-6N.6.019 GOST 5915-70

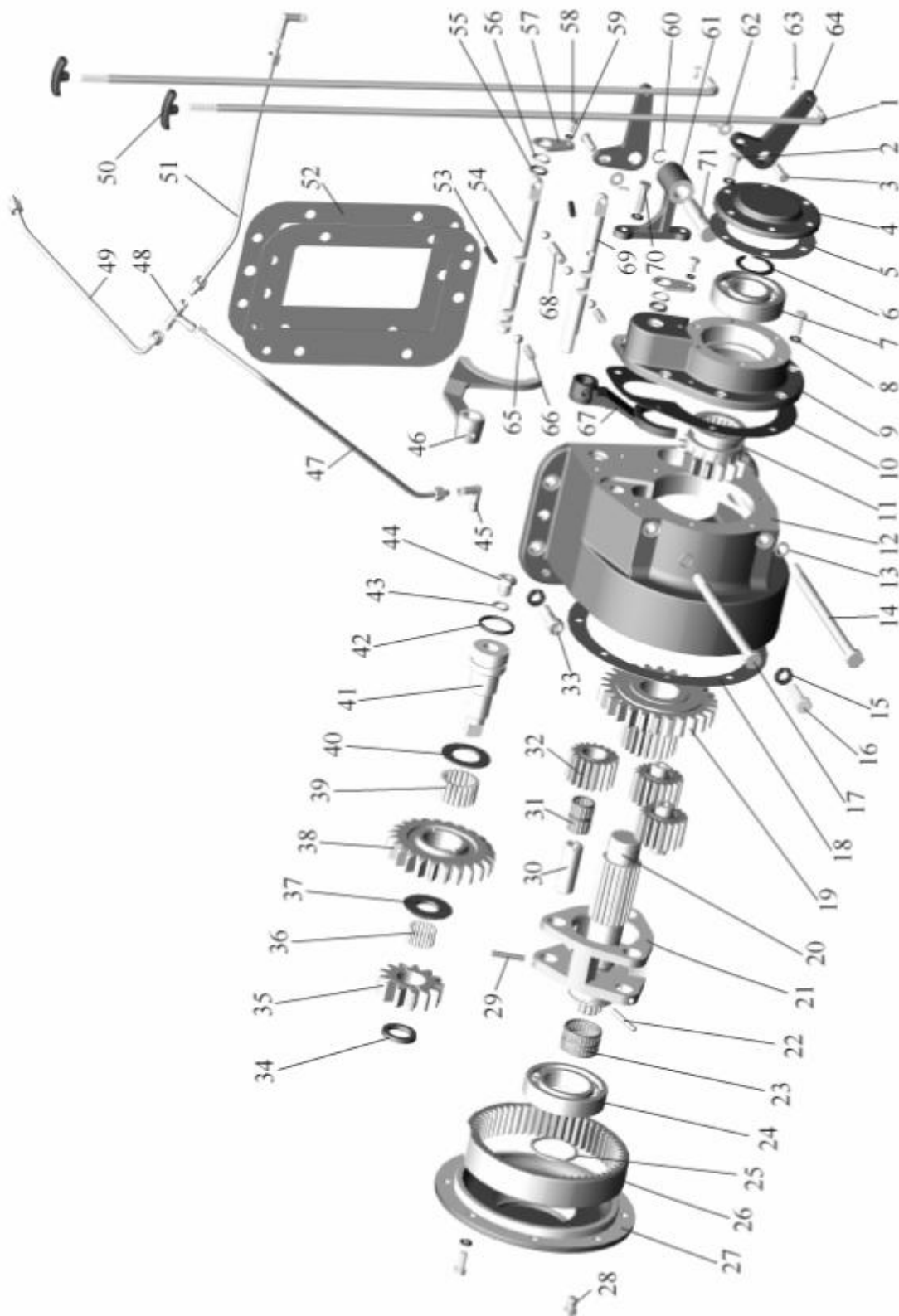


Fig. 17.14 Creeper assembly

**Group 17 Gearbox
Subgroup 1706 Creeper assembly**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.14		1025-1706030	1	Gear unit (1-12)
		1025-1706040	1	Carrier (22, 32-35)
	1	85-4216142	2	Rod
	2		18	Bolt M8-6gh20.88.35.019 GOST 7796-70
	3	2022-1716016	2	Pin
	4	1025-1706024	1	Cover
	5	1025-1706026	3	Gasket
	6		1	Ring S35 GOST 13940-86
	7		1	Bearing 307 A GOST 8338-75
	8		20	Washer 8T OST 37.001.115-75
	9	1025-1706022	1	Cover
	10	1025-1706023	1	Gasket
	11	1025-1706027	1	Toothed wheel
	12	1025-1706011	1	Housing
	13	85-1702051	2	Ring
	14		1	Bolt M12-6gh200.58.019 GOST 7795-70
	15		5	Washer 12 OT OST 37.001.115-75
	16		1	Bolt M12-6gh35.88.35.019 GOST 7796-70
	17		1	Bolt M12-6gh180.58.019 GOST 7795-70
	18	1025-1706013	1	Gasket
	19	1025-1706041	1	Toothed wheel
	20	1025-1706042	1	Shaft
	21	1025-1706051	1	Carrier
	22		1	Dowel 6h45 GOST 3128-70
	23		1	Bearing 3KK 37h42h26 E (664907E) GOST 24310-80
	24		1	Bearing 210 AUSH1 GOST8338-75
	25		1	Ring 2S50 GOST 13940-86
	26	1025-1706028	1	Crown gear
	27	1025-1706012	1	Cover
	28	KG 1/8"	1	Plug
	29		3	Dowel A.6h35.65G GOST 14229-93
	30	1025-1706053	3	Axle
	31		3	Bearing KK 20h26h34 E GOST 24310-80
	32	1025-1706054	3	Planet pinion
	33	M12h35	4	Screw
	34	1025-1706014	1	Washer
	35	1025-1706016	1	Toothed wheel
	36		29	Roller 3h23,8 A3 GOST 6870-81
	37	1025-1706017	1	Washer
	38	1025-1706018	1	Toothed wheel
	39	6h23,8 V3	19	Roller
	40	1025-1706019	1	Washer
	41	1025-1706021	1	Axle

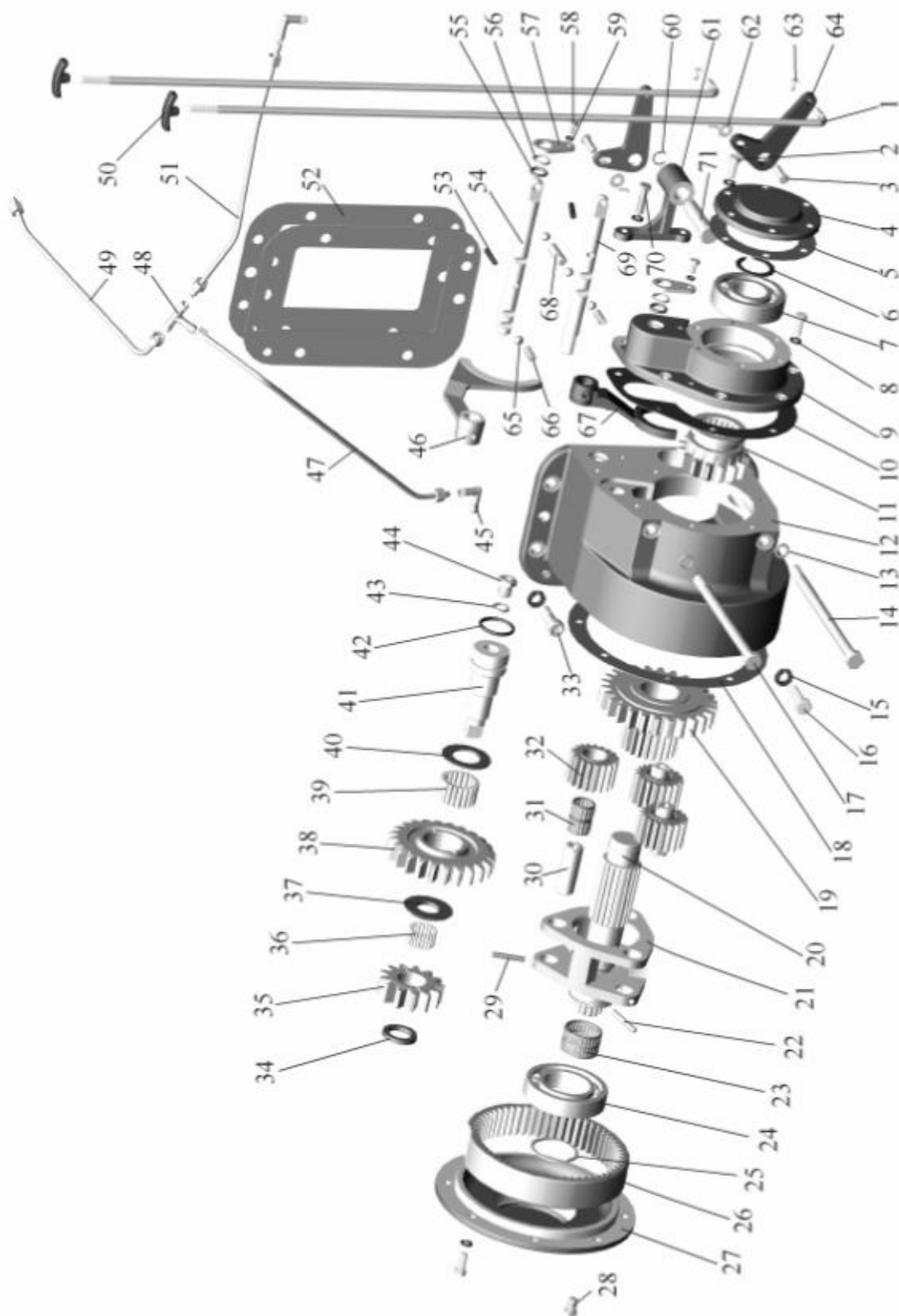


Fig. 17.14 Creeper assembly

**Group 17 Gearbox
Subgroup 1706 Creeper assembly**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.14	42		1	Ring 035-040-30-1-4 GOST 18829-73/GOST 9833-73
	43	RM 14	1	Washer
	44	1221-1802091-B	1	Threaded plug
	45	86-1802088	2	Angle piece
	46	1025-1706031	1	Yoke
	47	1221-1716230-B	1	Oil pipeline
	48	1221-2407288-02	1	T-piece
	49	1221-1716220-B	1	Oil pipeline
	50	50-1310136-A	2	Handle
	51	1221-1716240-B	1	Oil pipeline
	52	50-1701456A	2	Gasket
	53		1	Dowel A.6h30.65G GOST 14229-93
	54	1025-1706033	1	Pusher
	55		2	Ring 016-020-25-2-4 GOST 18829-73/GOST 9833-73
	56	1025-1706037	2	Washer
	57	1025-1706034	2	Plate
	58		2	Bolt M6-6gh12.88.35.019 GOST 7798-70
	59		2	Washer 6T OST 37.001.115-75
	60		1	Ring S16 GOST 13940-86
	61	1025-1716011	1	Bracket
	62		4	Split pin 2h12.019 GOST 397-79
	63		2	Washer S 8.01.019 GOST 11371-78
	64	2022-1716013	2	Lever
	65		4	Ball 9,922-100 GOST 3722-81
	66	50-1702148-A	2	Spring
	67	1025-1706036	1	Yoke
	68	1025-1706029	1	Dowel
	69	1025-1706032	1	Pusher
	70		2	Bolt M8-6gh30.88.35.019 GOST 7796-70
	71	1025-1716012	1	Pin

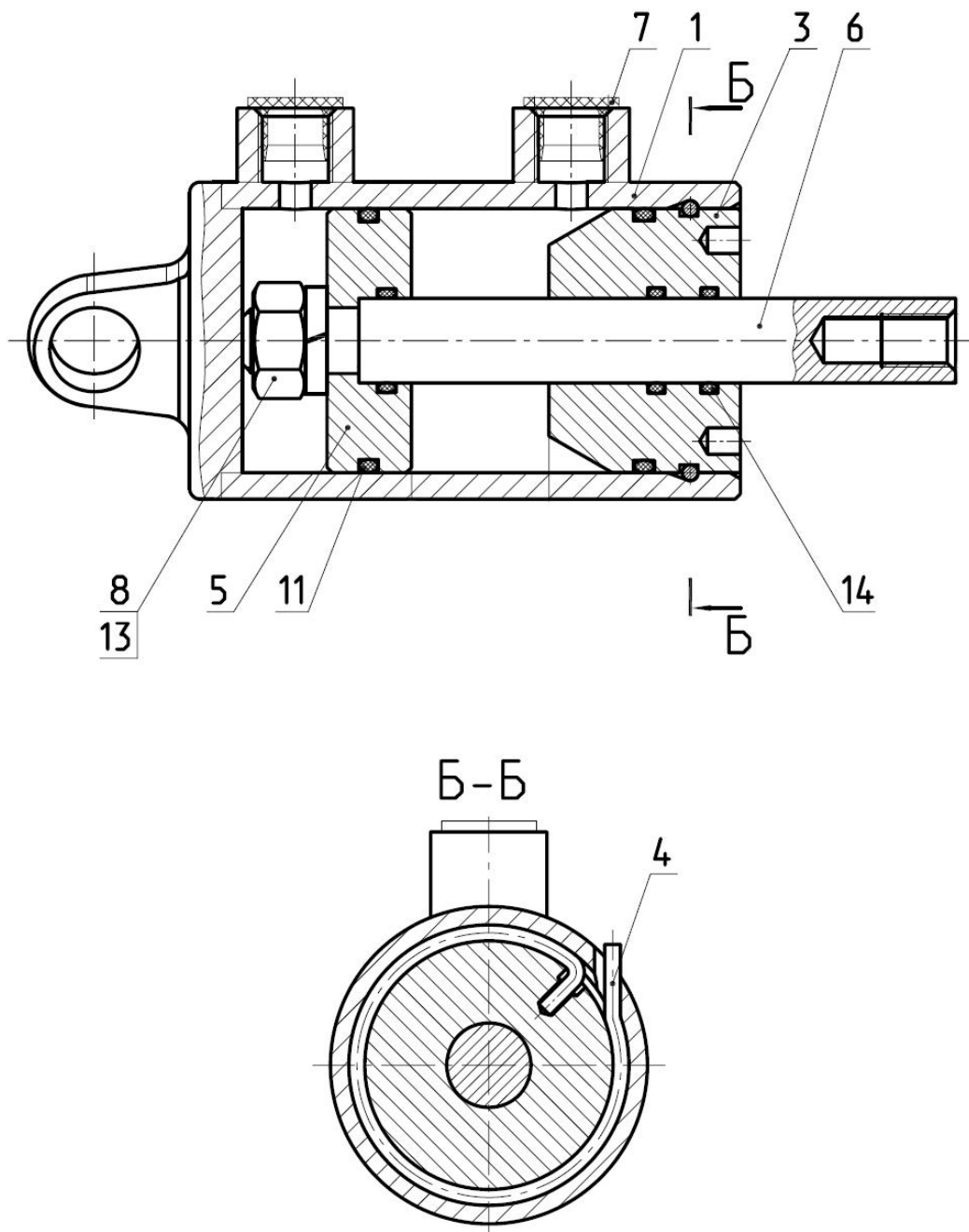


Fig. 17.15 Cylinder

Group 17. Gearbox
Subgroup 1702. Cylinder

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.15		2102-4216110-B	1	Cylinder
	1	80-4216115-01	1	Housing
	3	80-4216116	1	Cover
	4	80-4216117	1	Dowel
	5	80-4216118	1	Piston
	6	80-4216119-B	1	Rod
	7	80-3405038	2	Temporary plug
	8		1	Nut M12-6N.5.019 GOST 5915-70
	11		2	Ring 045-050-30-2-2 GOST 18829-73/GOST 9833-73
	13		1	Washer 12 OT OST 37.001.115-75
	14		3	Ring 15,54h2,62 DBS/AS MS29513

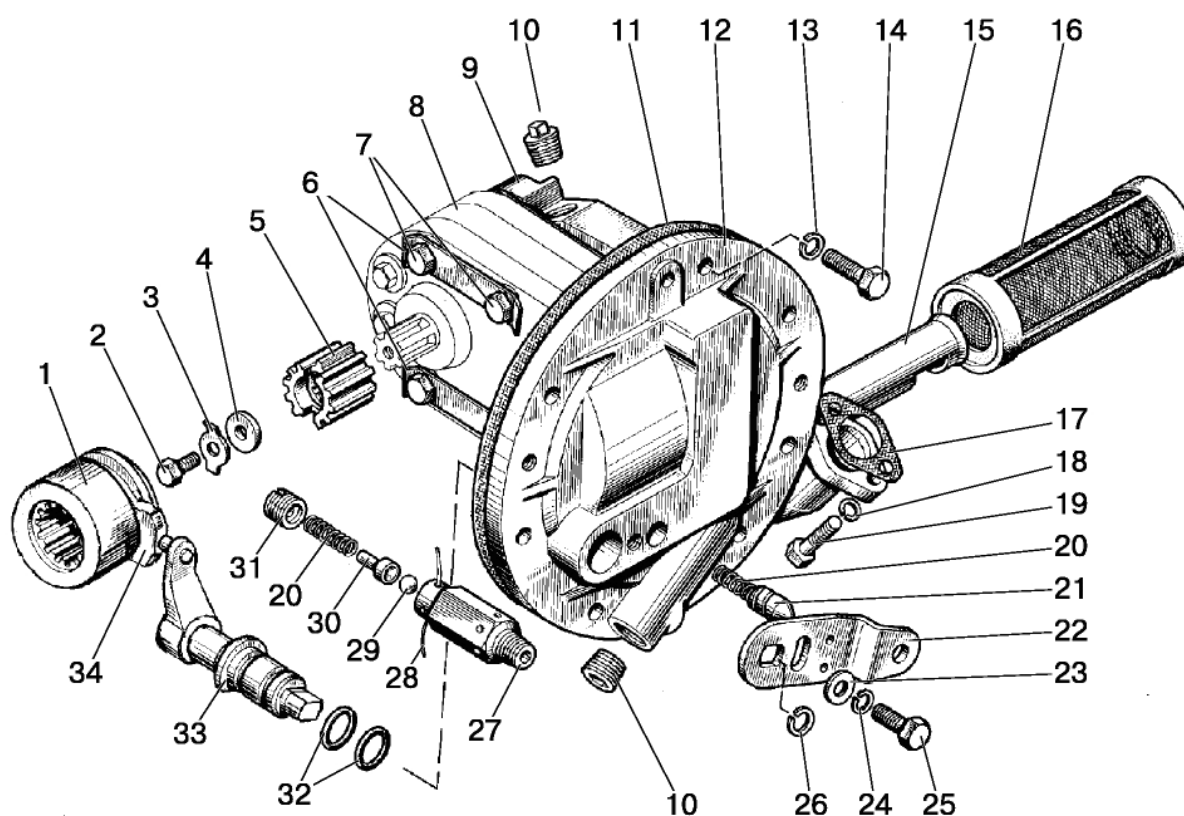


Fig. 17.16 Pumps drive

**Group 17. Gearbox
Subgroup 1704. Pumps drive**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.16		1222-1704010	1	Pump drive (1-10,12,15-34)
		80-1704040	1	Valve (20, 27-31)
	1	80S-1704096-B	1	Clutch
	2		1	Bolt M8-6gh20.88.35.019 GOST 7796-70
	3	80-1704034	1	Washer
	4	85-1601108	1	Washer
	5	80-1704014-B	1	Bushing
	6	80-1704092	2	Lock plate
	7		4	Bolt M12-6gh75.88.35.019 GOST 7795-70
	8	NMSH 25	1	Gear pump
	9	80-1704093	1	Pump gasket
	10	PK KG 3/8"	2	Plug
	11	80-1704016	1	Gasket
	12	1222-1704015	1	Housing
	13		7	Washer 10 OT OST 37.001.115-75
	14		7	Bolt M10-6gh30.88.35.019 GOST 7796-70
	15	80-1704030	1	Oil pipeline
	16	80-1704050	1	Filter
	17	80-1704033	1	Gasket
	18		2	Washer 8T OST 37.001.115-75
	19		2	Bolt M8-6gh30.88.35.019 GOST 7796-70
	20	50-1702148-A	1	Spring
	21	80-1704037	1	Detent
	22	80-1704018	1	Plate
	23		1	Washer S 10.01.019 GOST 11371-78
	24		1	Washer 10L OST 37.001.115-75
	25		1	Bolt M10-6gh25.88.35.019 GOST 7796-70
	26		1	Ring S18 GOST 13940-86
	27	80-1704041	1	Housing
	28		1	Wire 1,0-O-S GOST 3282-74 (L=100mm)
	29		1	Ball 10,0-60 GOST 3722-81
	30	80-1704039	1	Guide
	31	80-1704038	1	Plug
	32		2	Ring 020-025-30-1-4 GOST 18829-73/GOST 9833-73
	33	80-1704020-B	1	Shaft
	34	80-1704021	1	Holder

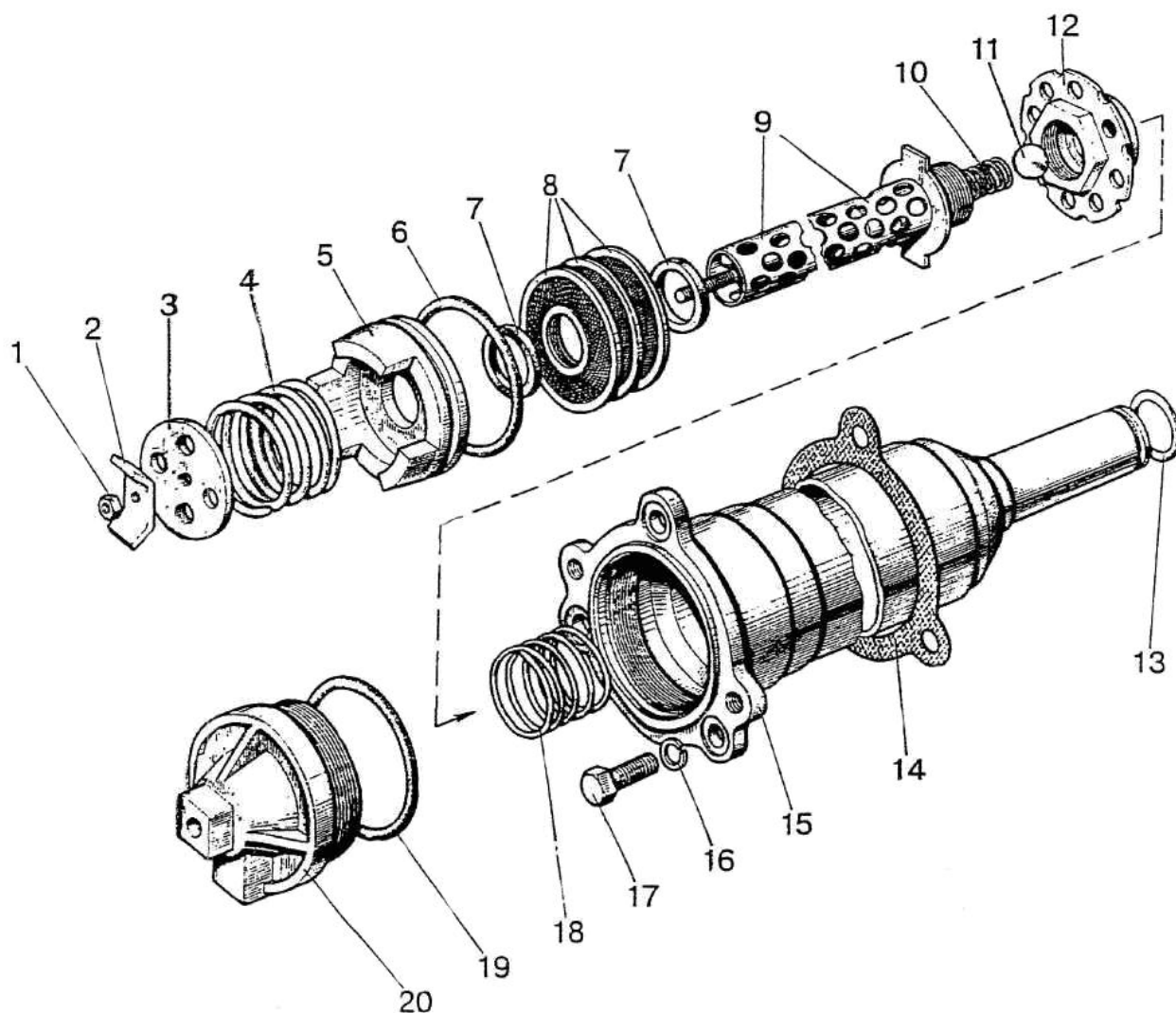


Fig. 17.17 Filter

**Group 17. Gearbox
Subgroup 1716. Filter**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.17		80-1716010	1	Filter (1-20)
		80-1716040	1	Pipe (9-12)
		80-1716030	1	Filter (1-5, 7,8)
	1		1	Nut M5-6N.6.019 GOST 5927-70
	2	80-1716033	1	Clip
	3	80-1716032	1	Washer
	4	80-1716034	1	Spring
	5	80-1716031	1	Piston
	6		1	Ring 059-065-36-2-4 GOST 18829-73/GOST 9833-73
	7	80-4608024	2	Ring
	8	80-1716080	45 max	Filter element
	9	80-1716050	1	Pipe
	10	80-1716041	1	Spring
	11		1	Ball 15,081-100 GOST 3722-81
	12	80-1716060	1	Housing
	13		1	Ring 022-025-19-1-4 GOST 18829-73/GOST 9833-73
	14	80-1716016	1	Gasket
	15	80-1716020	1	Housing
	16		3	Washer 10L OST 37.001.115-75
	17		3	Bolt M10-6gh25.88.35.019 GOST 7796-70
	18	80-1716018	1	Spring
	19		1	Ring 066-071-30-2-2 GOST 18829-73/GOST 9833-73
	20	80-1716015	1	Cover

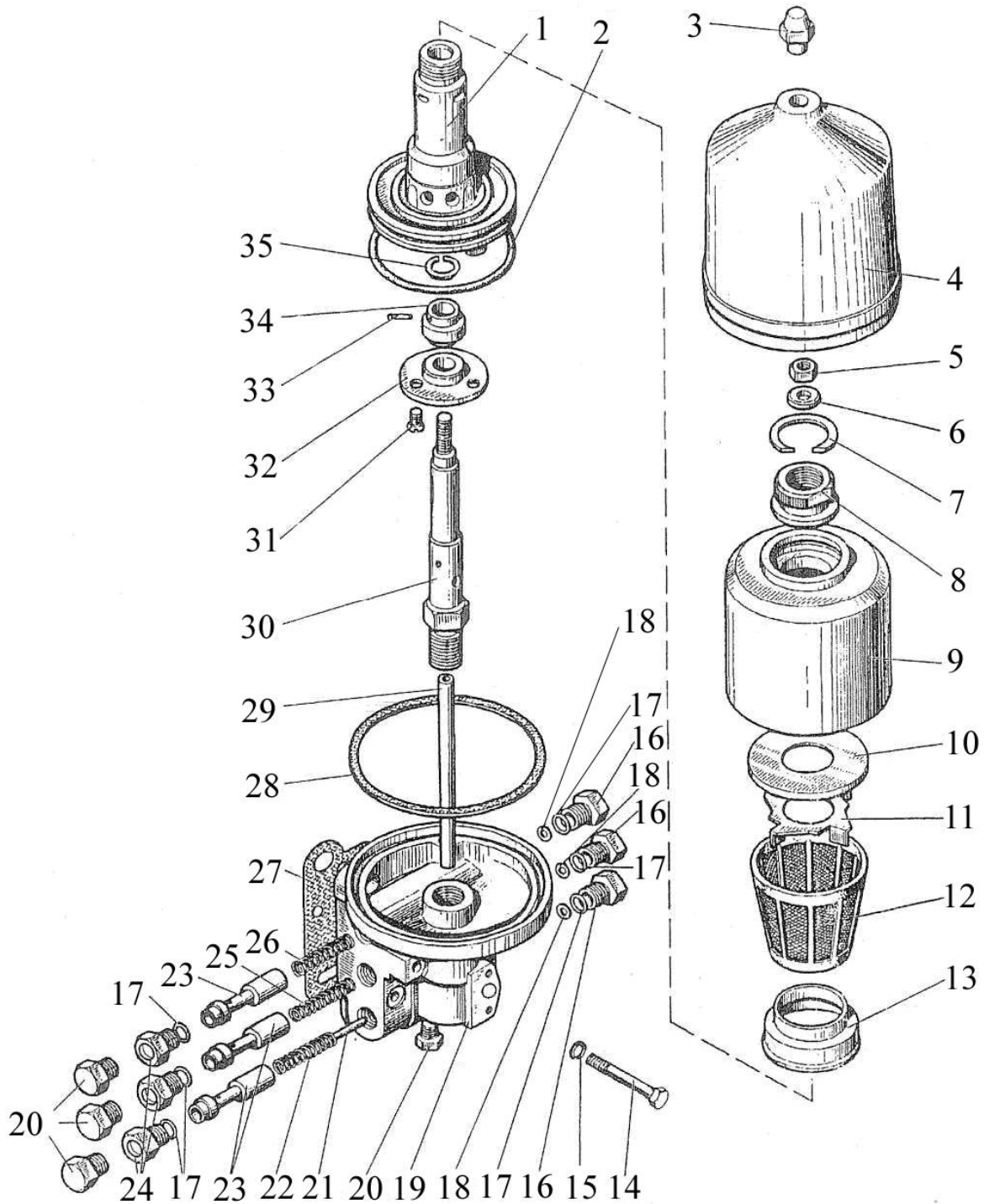


Fig. 17.18 Distributor-filter

**Group 17 Gearbox
Subgroup 1737 Distributor-filter**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
17.18		80-1737110	1	Distributor-filter (1-13,16-35)
		80-1028020	1	Rotor with shaft (1,2,5,29-35)
		240-1404030-A	1	Rotor bowl (7-9)
		80-1028080	1	Rotor shaft (29,30,32-35)
		240-1404140	1	Well strainer
	1	240-1404017-B	1	Rotor housing
	2		1	Ring 115-120-30-1-4 GOST 18829-73/GOST 9833-73
	3	240-1404088	1	Cap nut
	4	240-1404027	1	Centrifugal filter cap
	5		1	Nut M12h1,25-6N.6.019 GOST 5915-70
	6	D37A-1407607-V	1	Thrust washer
	7	240-1404033	1	Thrust washer
	8	240-1404035-A	1	Special nut
	9	240-1404023	1	Rotor bowl
	10	240-1404113	1	Cover
	11	240-1404024	1	Rotor impeller
	12	240-1404110	1	Well strainer
	13	240-1404049	1	Inner bowl
	14		4	Bolt M10-6gh70.88.35.019 GOST 7795-70
	15		4	Washer 10 OT OST 37.001.115-75
	16	50-1404075	3	Reduction valve plug
	17	1221-1737126	6	Washer
	18		6*	Washer S 5.01.019 GOST 11371-78
	19	80-1737111	1	Housing
	20		4	Plug - KG 1/8". A12.019 TU 23.1.506-91
	21		1	Dowel 6h45 GOST 3128-70
	22	70-4801045	1	Spring
	23	80-1737117	3	Valve
	24	1221-1737114	3	Plug
	25	80-1737113	1	Spring
	26	80-1737118	1	Spring
	27	80-1737112	1	Gasket
	28	50-1404059-B1	1	Cap gaskert
	29	240-1404013-B	1	Pipe
	30	240-1404012-V	1	Rotor shaft
	31		3	Screw V.M6-6gh14.58.019 GOST 17475-80
	32	240-1404019-B	1	Rotor housing cover
	33	240-1404028	1	Dowel or
				Roller 5h8 II GOST 22696-77 or
				Roller 5h8 III GOST 22696-77
	34	80-1028090	1	Mouthpiece
	35	240-1404118	1	Ring

* On demand

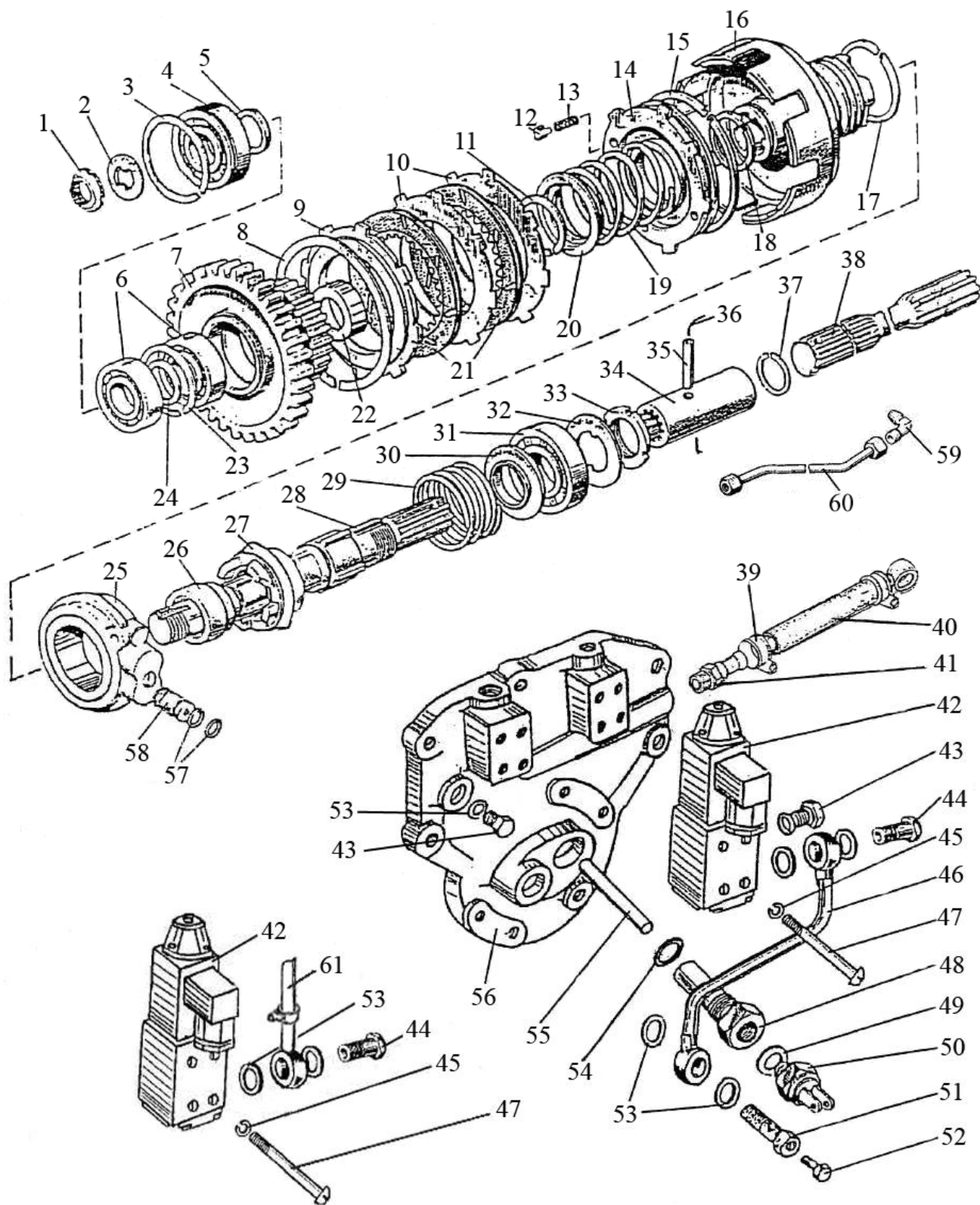


Fig. 18.1 Front driving axle drive

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
18.1		1221-1802030	1	Friction clutch coupling (1221-1802040, 8-22, 25)
		1221-1802040	1	Gear (6, 7, 23, 24)
		1521-1802065	1	Shaft (28, 30-36)
		1221-1802070	1	Shaft (37, 38)
	1	1221-1802023	1	Nut
	2	1221-1802019	1	Washer
	3	80-1701397	1	Ring
	4	6-50306K	1	Bearing
	5	1521-1802043	1	Bushing
	6		2	Bearing 206 A GOST 8338-75
	7	1221-1802041	1	Gear
	8		1	Ring S135 GOST 13941-86
	9	86-1802034	1	Thrust disc
	10	86-1802032*	3-4	Driven plate S=1,8 mm
		1221-1802032*	3-4	Driven plate S=2 mm
	11		1	Ring S48 GOST 13940-86
	12	86-1802039	2	Guide
	13	86-1802048	2	Spring
	14	1221-1802031	1	Piston
	15	86-1802047	1	Ring
	16	1221-1802036	1	Drum
	17	86-1802083-A	2	Ring
	18	1221-1802333	1	Ring
	19	86-1802038	1	Spring
	20	86-1802046	1	Body
	21	86-1802035-A	7	Drive plate
	22	1221-1802044	1	Bushing
	23		1	Ring S62 GOST 13940-86
	24	86-1802049	1	Ring
	25	1221-1802025	1	Cage
	26	86-1802028	1	Bushing
	27	8020-1802026	1	Half coupling
	28	1521-1802013	1	Shaft
	29	86-1802027	1	Spring
	30	86-1802051	1	Washer
	31		1	Bearing 207 GOST 8338-75
	32	86-1802052	1	Washer
	33	52-2308097	1	Nut
	34	86-1802014-B	1	Bushing
	35		1	Dowel A.8h40.65G GOST 14229-93
	36		1	Wire 1,6-O-S GOST 3282-74 L=140 mm
	37	86-1802017-B	1	Ring
	38	1221-1802042	1	Shaft
	39	12-20/9C6W or 12-22/971	1	Clamp «NORMA»
	40	1221-1802060-B	1	Pipeline
	41	85-3407470	1	Fitting
	42	RH06101-012/00GA-AMP or 1RGE-6T/3.574E.G12.01 or HDZ3-EV5.34.XPZ-012CAMP	2	Hydraulic distributor
	43	1221-1802091	3	Threaded plug

* Selection

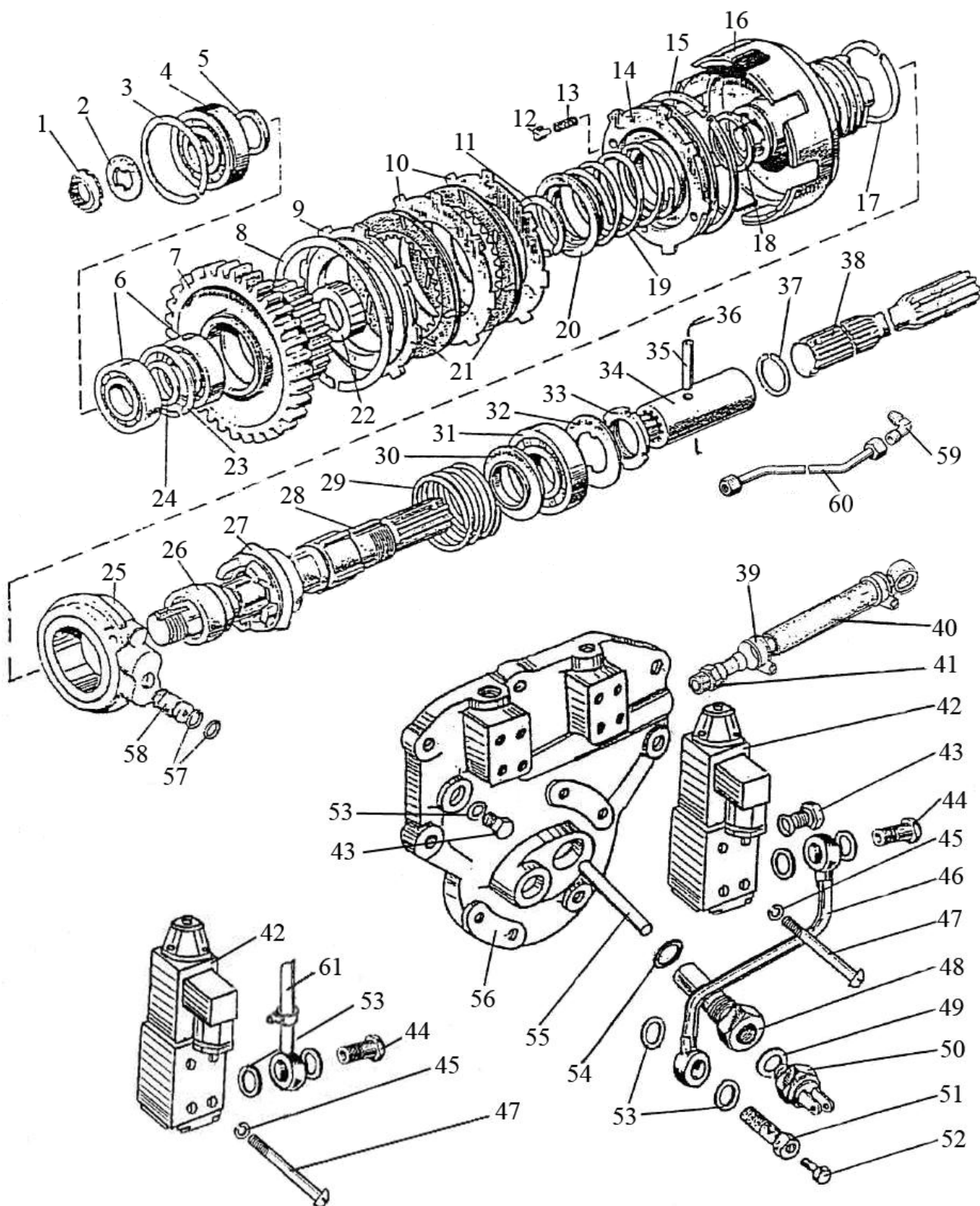


Fig. 18.1 Front driving axle drive

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
18.1	44	D18-051	2	Bolt
	45		8	Washer 5T OST 37.001.115-75
	46	1221-1802050	1	Pipeline
	47	VM5h50	8	Screw
	48	8020-1802018	1	Guide
	49	50-1702048*	6 max	Gasket
	50		1	Switch VK 12-51 TU RB 37334210.004-97
	51	1520-1802088	1	Bolt
	52	KG 1/8"	1	Plug
	53	D18-055-A	9	O-Ring
	54		1	Ring 019-022-19-2-2 GOST 18829-73/GOST9833-73
	55	8020-1802029	1	Pusher
	56	1221-1802016	1	Cover
	57		2	Ring 011-016-30-2-4 GOST 18829-73/GOST9833-73
	58	1221-1802054	1	Bushing
	59	86-1802088	1	Angle piece
	60	86-1802055	1	Pipeline
	61	1522-4218030-02	1	Pipeline

* Selection

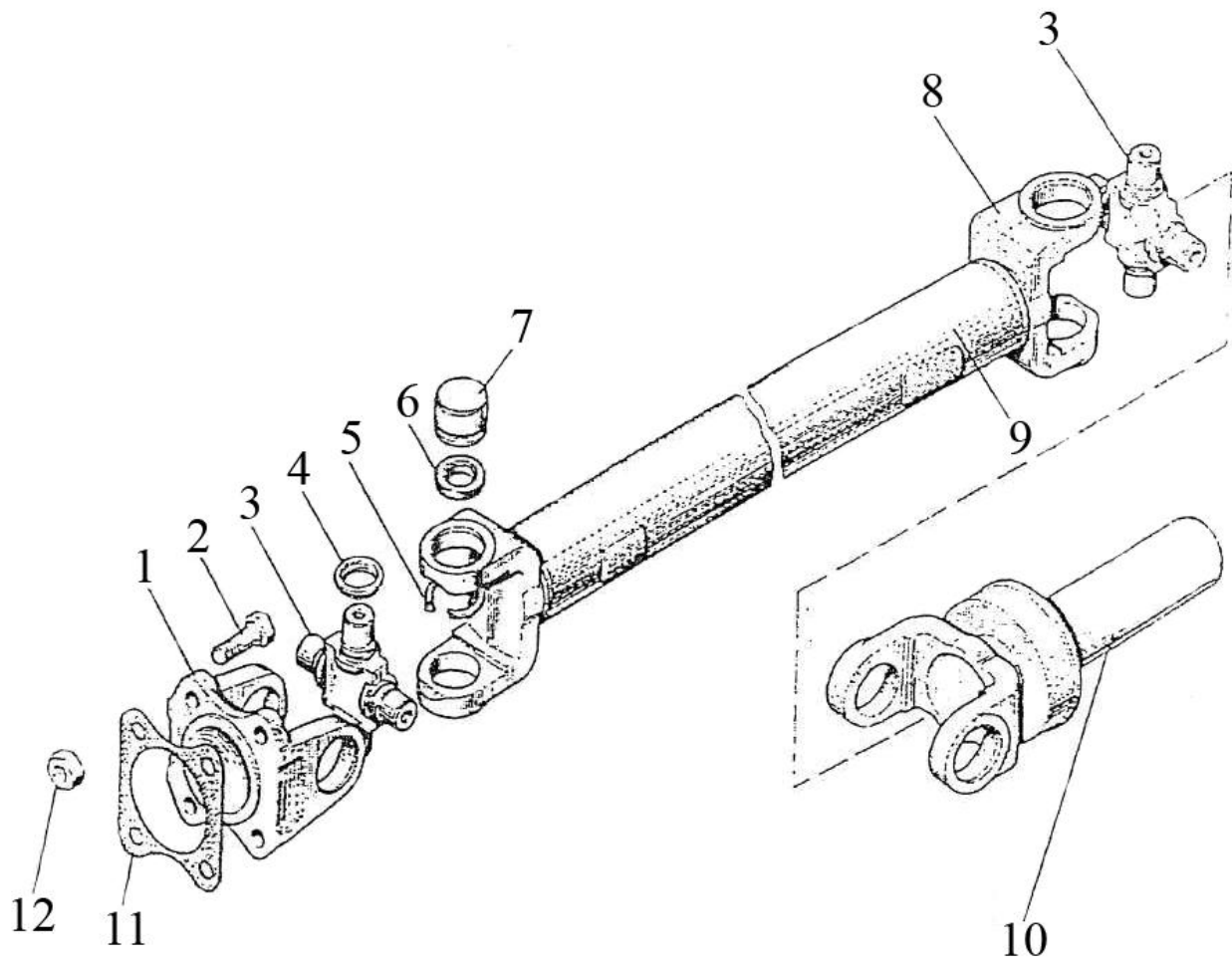


Fig. 22.1 Cardan drive

Group 22. Cardan drive
Subgroup 2203. Cardan drive

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
22.1		112-2203010	1	Cardan shaft (1,3-10)
		72-2203025PH	1	Universal-joint cross with bearings (3,4,6,7)
	1	72-2203023	1	Flange
	2	52-2203012	4	Bolt
	3	72-2203030-01	2	Cross
	4	3102-2201037	8	Deflector
	5	34-2201043	8	Locking ring
	6	69-2201031-A	8	Collar
	7	704702K3C10	8	Bearing
	8	72-2203022	2	Yoke
	9	112-2203018	1	Pipe
	10	86-2203047	1	Slip yoke
	11	20-2201024	1	Gasket
	12		4	Hexagon nut M10x1-8 DIN 985

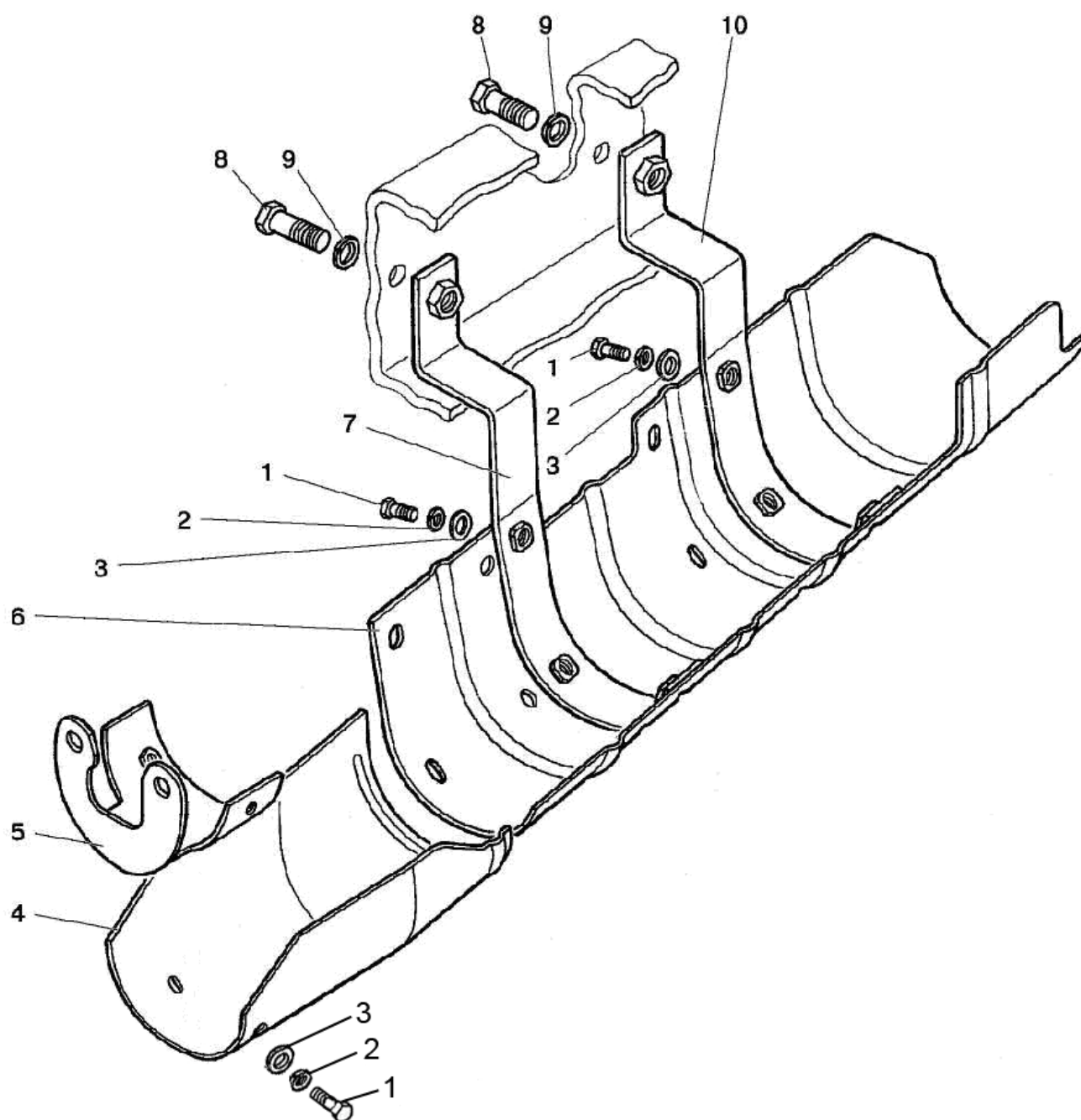


Fig. 22.2 Guard

Group 22. Cardan drive
Subgroup 2210. Guard

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
22.2	1		8	Bolt M8-6gh20.88.35.019 GOST 7796-70
	2		8	Washer 8T OST 37.001.115-75
	3		8	Washer S 8.01.019 GOST 11371-78
	4	52-2210012-A	1	Casing
	5	52-2210015	1	Bracket
	6	1025-2210013	1	Casing
	7	1025-2210015	1	Bracket
	8		2	Bolt M16-6gh50.88.35.019 GOST 7796-70
	9		2	Washer 16 OT OST 37.001.115-75
	10	1025-2210010	1	Bracket

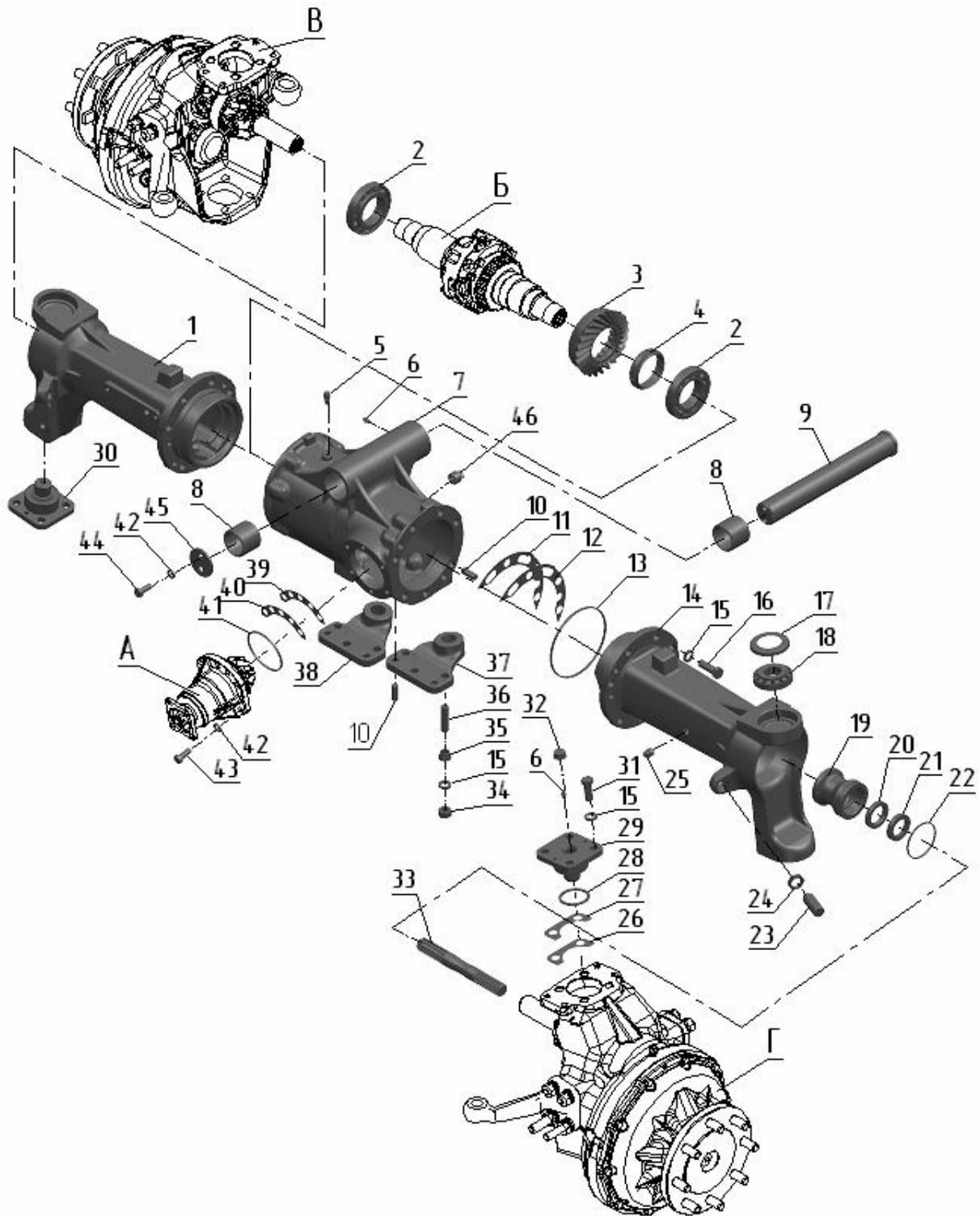


Fig. 23.1 Front driving axle

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
23.1		1222-2300020 1222-2300020-05	1	Front driving axle assy
	A	52-2302010	1	Main gear of front driving axle
	B	52-2303010-B-01	1	Differential
	C	822-2308005-02* 822-2308005-06**	1	Left gear unit of FDA final drive
	D	822-2308005-03* 822-2308005-07**	1	Right gear unit of FDA final drive
	1	822-2301051-01	1	Left tube
	2	263212A	2	Bearing
	3	52-2302019	1	Gear
	4	52-2302038-A1	1	Nut
	5	TSS0G-1/8"	1	Breather
	6		5	Oiler 1.3.TS9.hr GOST 19853-74
	7	1420-2301055	1	Housing
	8	40-3001022	2	Bushing
	9	1222-3000012	1	Pivot pin
	10	D01-015	8	Dowel
	11	52-2303027	16	Shim washer B=0,5 mm
	12	52-2303028	16	Shim washer V=0,2 mm
	13		2	Ring 150-155-36-1-4 GOST 18829-73/GOST 9833-73
	14	822-2301053-01	1	Right tube
	15		36	Washer 16 OT OST 37.001.115-75
	16		14	Bolt M16-6gh45.88.35.019 GOST 7796-70
	17	1520-2308039	4	Body
	18		4	Bearing 1027307 A GOST 27365-87
	19	822-2308100	2	Cage
	20		2	Collar 1.2-38h58-1 GOST 8752-79/OST 3805146-78
	21		2	Collar 2.2-38h58-1 GOST 8752-79/OST 3805146-78
	22		2	Ring 075-080-30-1-4 GOST 18829-73/GOST 9833-73
	23	1520-2308009	2	Screw
	24	85-3407113	2	Nut
	25	PK KG 3/8"	2	Plug
	26	52-2302021	6	Shim washer V=0,5 mm
	27	52-2302022	10	Shim washer V=0,2 mm
	28		4	Ring 055-063-46-1-4 GOST 18829-73/GOST 9833-73
	29	1520-2308037	3	Axle

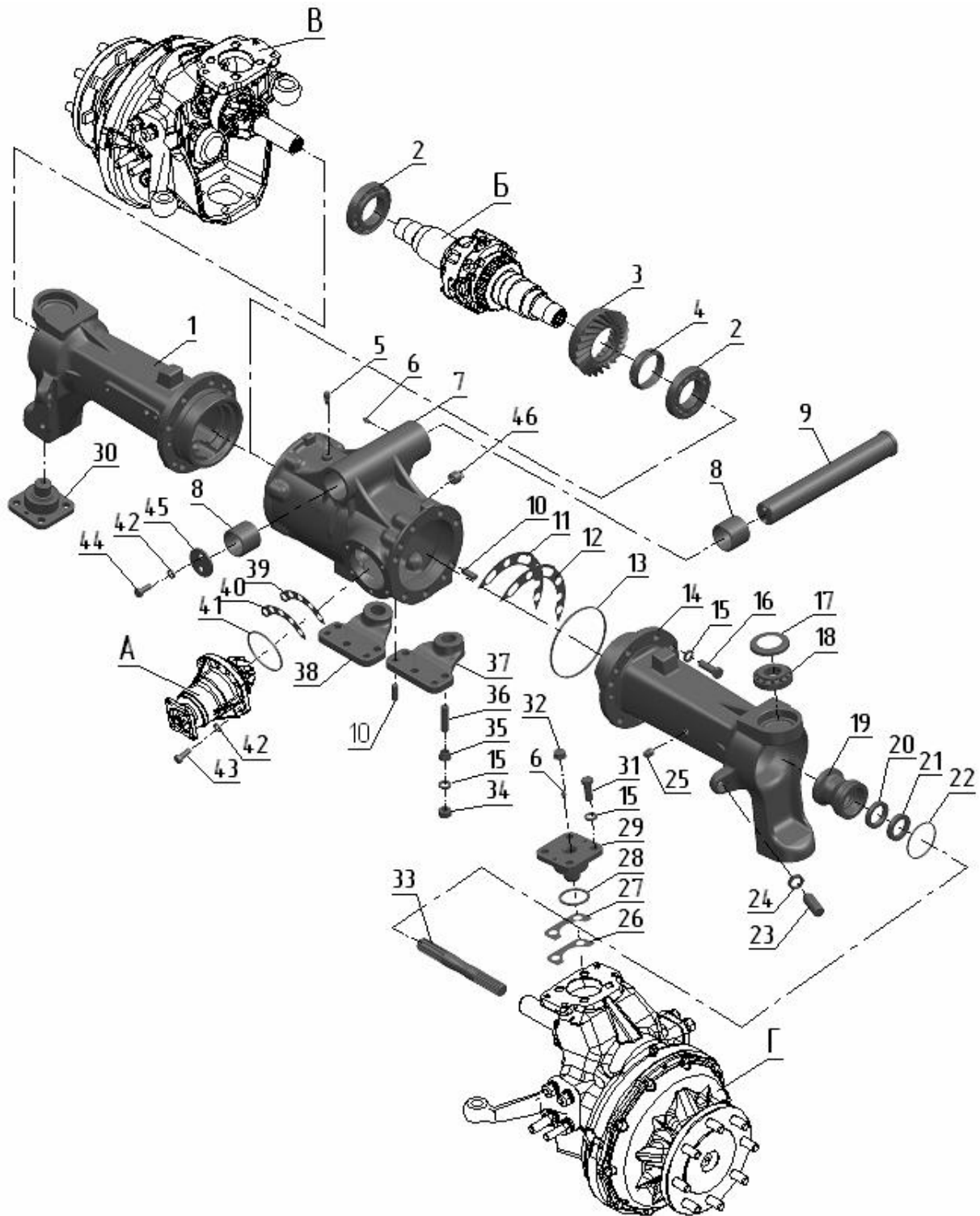


Fig. 23.1 Front driving axle

Group 23. Front driving axle

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

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
23.1	30	1520-2308037-01	1	Axle
	31		16	Bolt M16-6gh40.88.35.019 GOST 7796-70
	32	85-4607447	4	Cap
	33	822-2308065-01	2	Shaft
	34		6	Nut M16-6N.6.019 GOST 5915-70
	35	1520-2308077	6	Bushing
	36	1520-2308079	6	Stud
	37	1222-2301021	1	Right bracket
	38	1222-2301022	1	Left bracket
	39	1520-2308042	8	Shim washer V=0,2 mm
	40	1520-2308042-01	20	Shim washer V=0,5 mm
	41		1	Ring 089-095-36-1-4 GOST 18829-73/GOST 9833-73
	42		8	Washer 12 OT OST 37.001.115-75
	43		6	Bolt M12-6gh30.88.35.019 GOST 7796-70
	44	72-2308018	2	Bolt
	45	72-2308031	1	Washer
	46	PK KG 3/4"	2	Plug

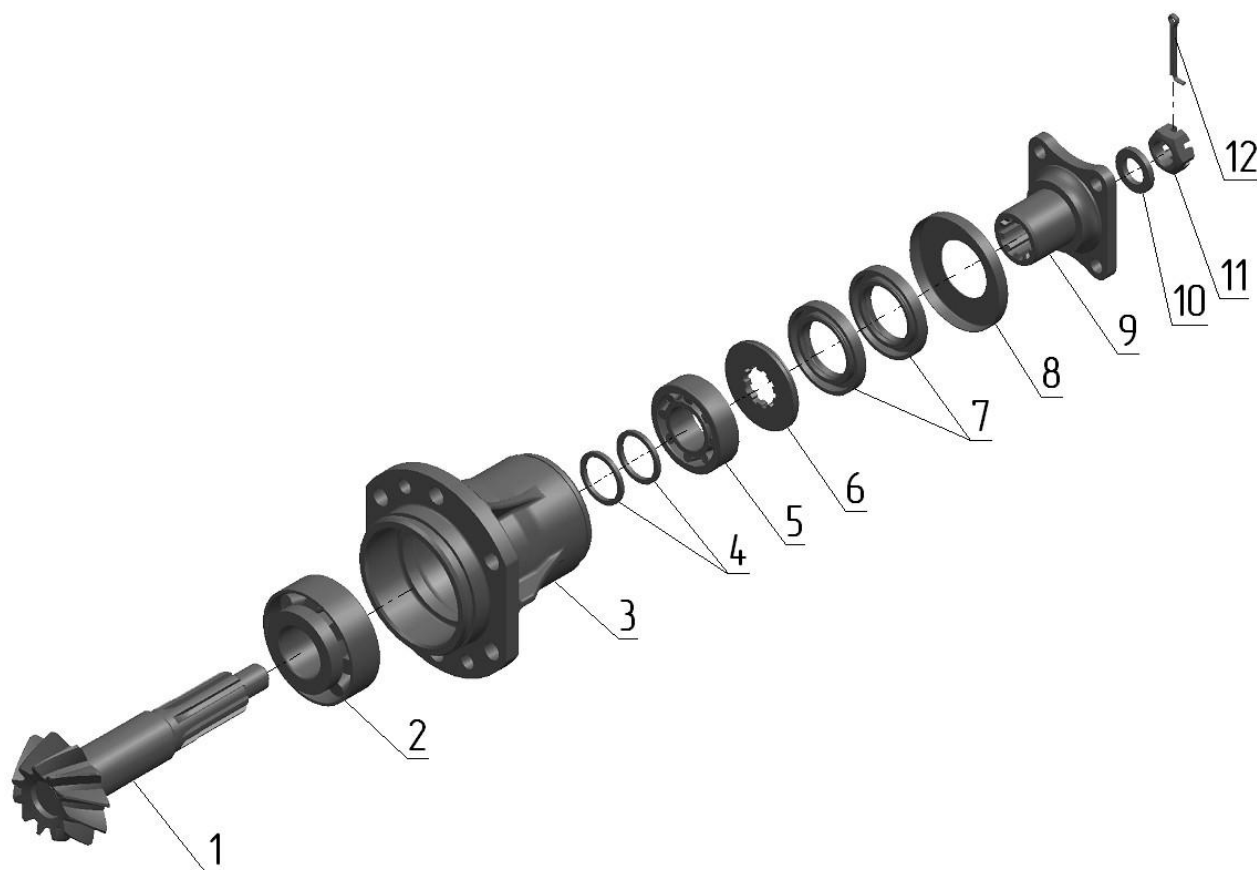


Fig. 23.2 Main gear of front driving axle (1222-2300020-05)

Group 23. Front driving axle
Subgroup 2302. Main gear of front driving axle (1222-2300020-05)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
23.2		52-2302010-R	1	Gears set (1-12 i 3(Fig.62.1))
		52-2302030	1	Drive and driven gears set (1and 3 (Fig.62.1))
	1	52-2302015-A	1	Gear
	2	7607A	1	Bearing
	3	52-2302016-A	1	Body
	4	52-2302026	2	Adjusting washer V=2,65 mm
		52-2302026-01	2	Adjusting washer V=2,70 mm
		52-2302026-02	2	Adjusting washer V=2,75 mm
		52-2302026-03	2	Adjusting washer V=2,90 mm
		52-2302026-04	2	Adjusting washer V=3,05 mm
		52-2302026-05	2	Adjusting washer V=3,20 mm
		52-2302026-06	2	Adjusting washer V=3,30 mm
		52-2302026-07	2	Adjusting washer V=3,35 mm
		52-2302026-08	2	Adjusting washer V=3,40 mm
	5		1	Bearing 7506 A GOST 27365-87
	6	52-23020018	1	Ring
	7		2	Collar 2.2-38h62-1/4 GOST 8752-79/OST 3805146-78
	8	82-2302031	1	Blind plug
	9	52-1802078-A	1	Flange
	10	52-1802079	1	Washer
	11	70-3003032	1	Nut
	12		1	Split pin 4h25.019 GOST 397-79

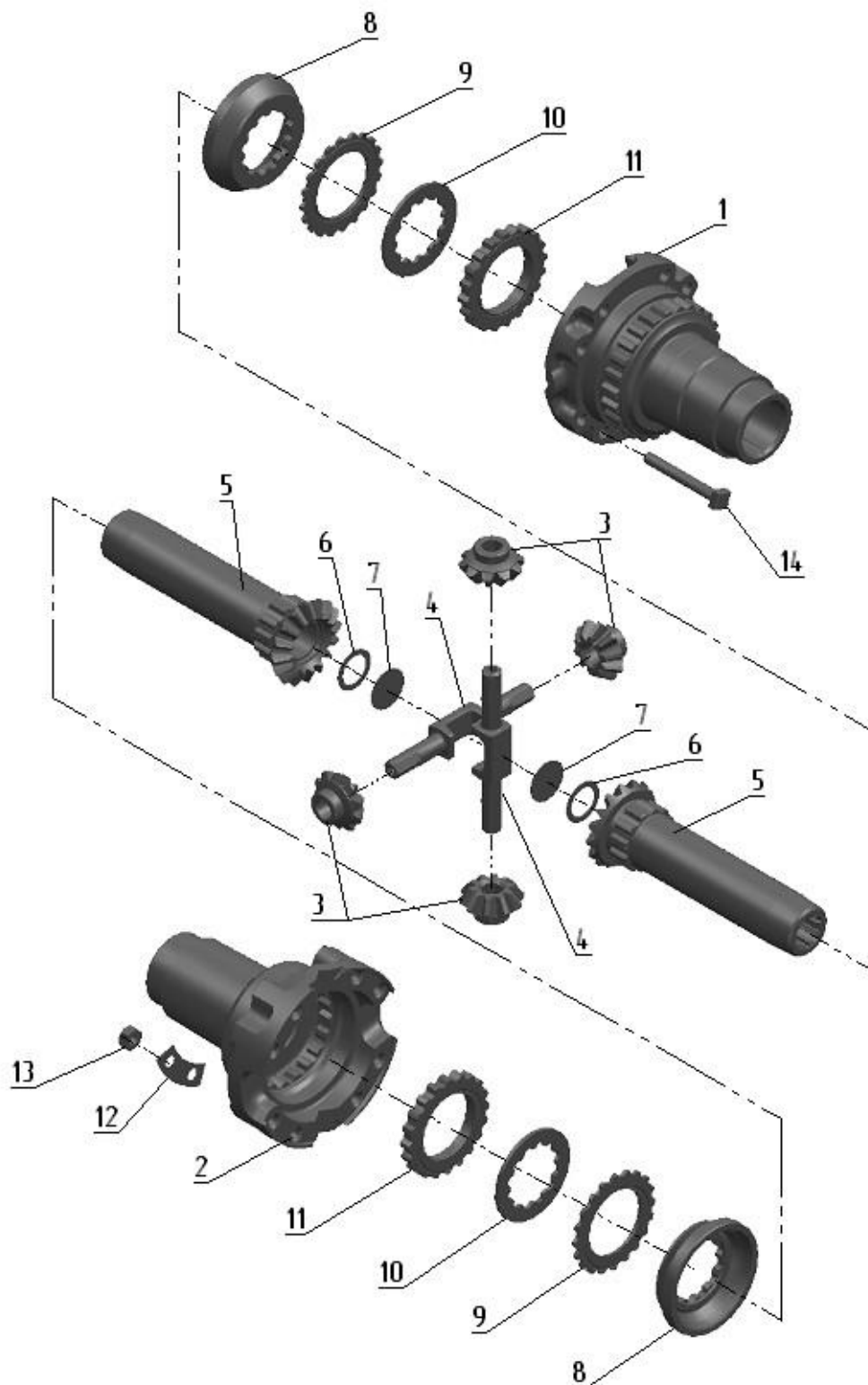


Fig. 23.3 Differential

Group 23. Front driving axle
Subgroup 2303. Differential

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
23.3		52-2303010-B-01	1	Differential (1-14)
		52-2303030	2	Gear (5-7)
	1	52-2303014-B	1	Case
	2	52-2303015-B	1	Case
	3	52-2303018	4	Planet pinion
	4	52-2303019	2	Axle
	5	52-2303017	2	Gear
	6	52-2303034	2	Gasket
	7		2	Blind plug 35-10kp.TS9.hr GOST 3111-81
	8	52-2303021	2	Pinion 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-B	8	Bolt

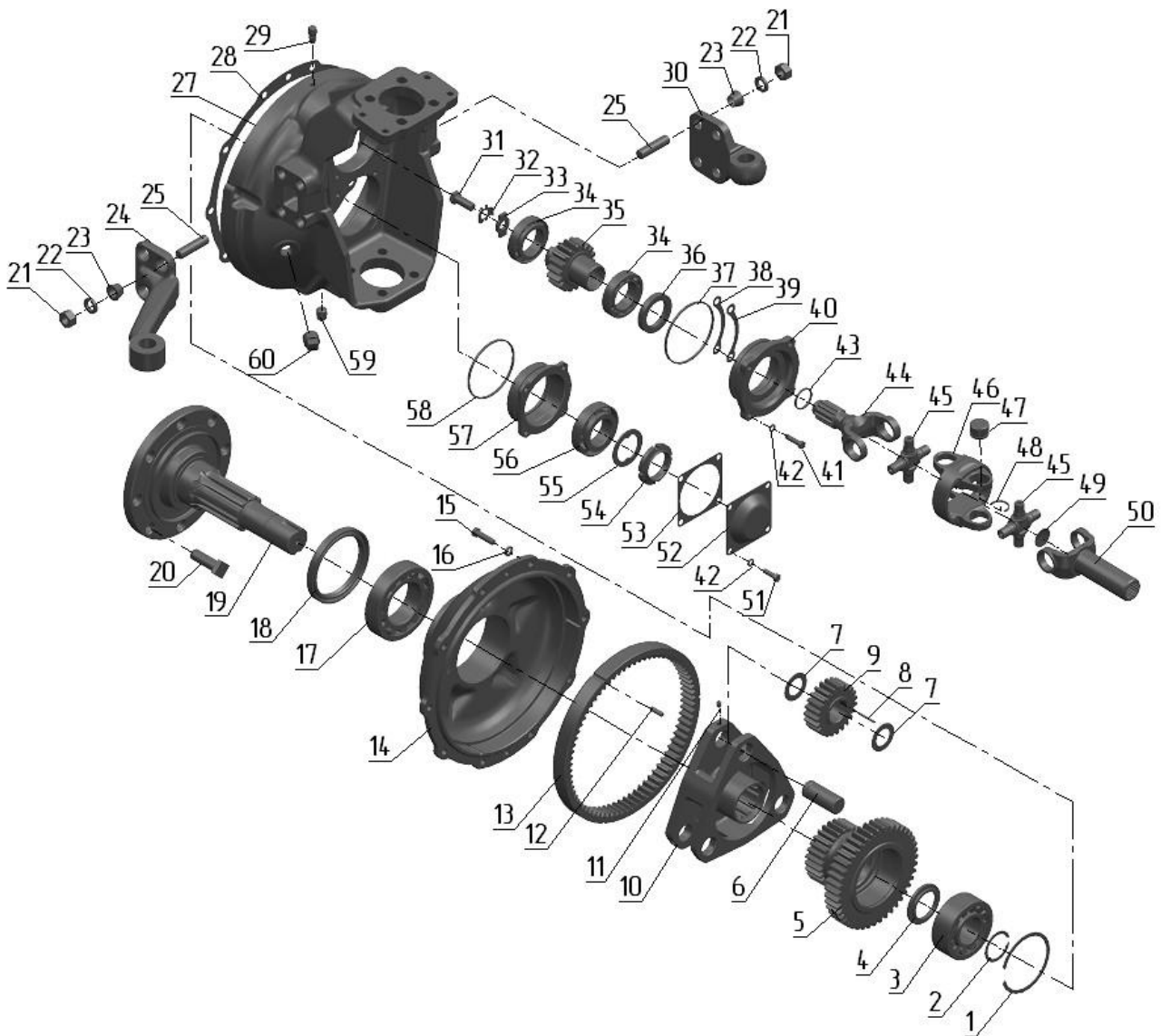


Fig. 23.4 Final drive gear box of front driving axle (1222-2300020-05)

Group 23. Front driving axle
Subgroup 2308. Final drive gear box of front driving axle
(1222-2300020-05)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
23.4		822-2308005-02*	1	Left gear unit (1-60)
		822-2308005-06**	1	Left gear unit (1-60)
		822-2308005-03*	1	Right gear unit (1-60)
		822-2308005-07**	1	Right gear unit (1-60)
		1520-2308024-05**	2	Doubled pivot joint (43-50)
		1520-2308040-20	2	Housing (27,29,31-50)
		1520-2308040*	2	Housing (27,29,31-50)
		1520-2308080	2	Body (36,37,40)
		1521-2308020	2	Cover (12-14)
		1521-2308030	2	Carrier (6-11)
		1521-2308050*	2	Hub (1-20)
		1521-2308050-05**	2	Hub (1-20)
	1		2	Ring 2S100 GOST 13941-86
	2		2	Ring S45 GOST 13940-86
	3		2	Bearing 53609 GOST 24696-81
	4	1520-2308038	2	Ring
	5	1520-2308062*	2	Gear train
		1520-2308062-05**	2	Gear train
	6	1520-2308053	6	Axle
	7	1520-2308054	12	Washer
	8		156	Roller 4h34,8 A3 GOST 6870-81
	9	1520-2308059	6	Planet pinion
	10	1521-2308056	2	Carrier
	11	1520-2308011	6	Screw
	12		6	Dowel 2.8h25 GOST 3128-70
	13	1520-2308064	2	Gear
	14	1521-2308016	2	Cover
	15		20	Bolt M10-6gh35.88.35.019 GOST 7796-70
	16		20	Washer 10 OT OST 37.001.115-75
	17		2	Bearing 7514 A GOST27365-87
	18		2	Collar 2.2-100h125-1 GOST 8752-79/OST 3805146-78
	19	1521-2308017-01	2	Flange
	20	40-3103016	16	Front wheel bolt
	21		16	Nut M16-6N.6.019 GOST 5915-70
	22		16	Washer 16 OT OST 37.001.115-75
	23	1520-2308077	12	Bushing
	24	1520-2308074	1	Left lever
		1520-2308074-01	1	Right lever
	25	1520-2308079	12	Stud
	27	1520-2308015	2	Housing
	28	1520-2308034	2	Gasket

* For FDA 1222-2300020

** For FDA 1222-2300020-05

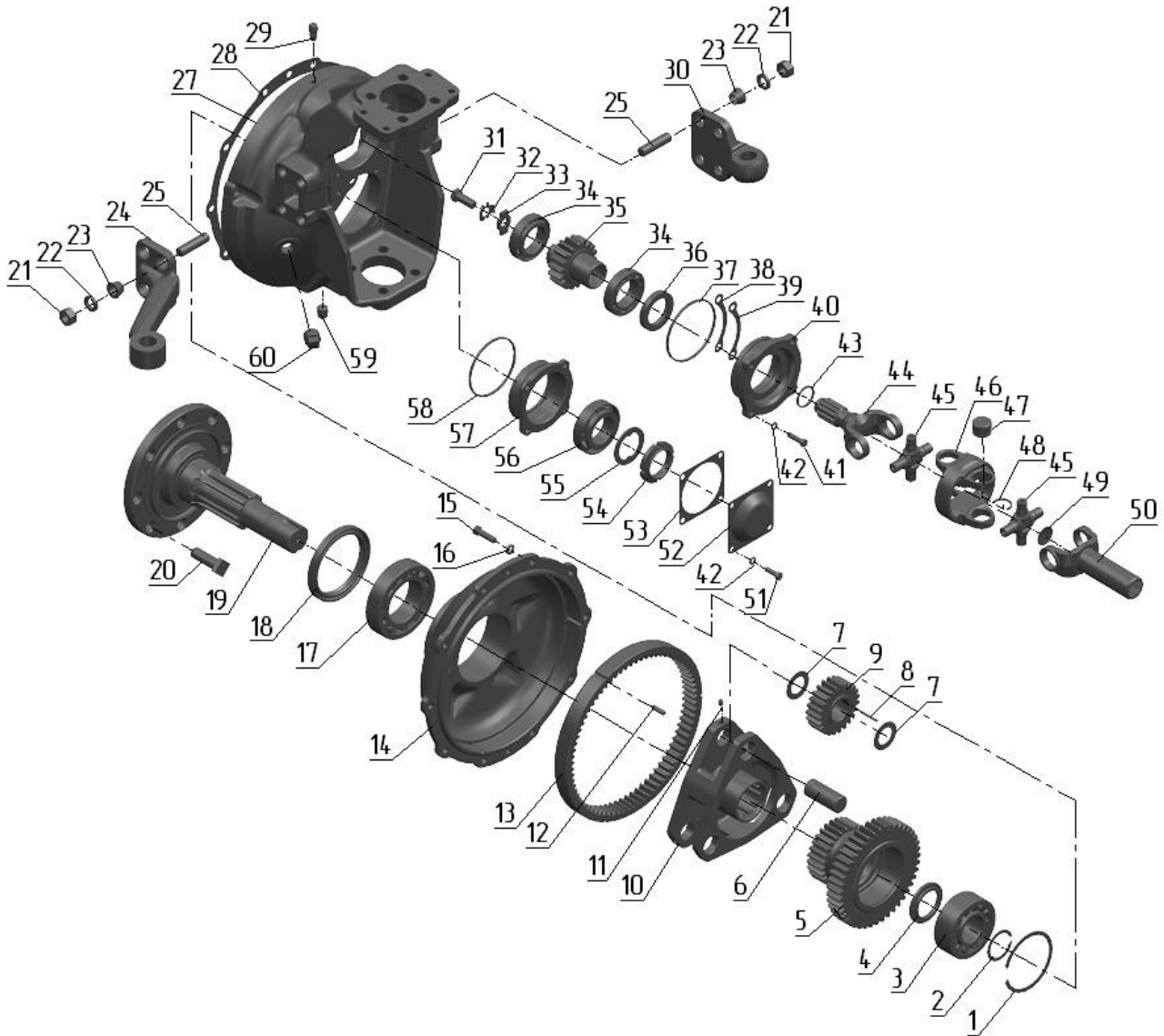


Fig. 23.4 Final drive gear box of front driving axle (1222-2300020-05)

Group 23. Front driving axle
Subgroup 2308. Final drive gear box of front driving axle
(1222-2300020-05)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
23.4	29		2	Breather "MINTOR" TSS0G-1/8" or breather SV-00.00.00
	30	1222-2308076	1	Right bracket
		1222-2308077	1	Left bracket
	31	1521-2308012	2	Bolt
	32	1521-2308031	2	Lock plate
	33	1521-2308013	2	Washer
	34	2007109	4	Bearing
	35	1520-2308061*	2	Gear
		1520-2308061-05**	2	Gear
	36		2	Collar 2.2-45h65-1 GOST 8752-79/OST 3805146-78
	37		2	Ring 100-105-30-2-4 GOST 18829-73/GOST 9833-73
	38	1520-2308021	20	Shim washer
	39	1520-2308021-01	8	Shim washer
	40	1520-2308035	2	Body
	41		8	Bolt M8-6gh30.88.35.019 GOST 7796-70
	42		16	Washer 8T OST 37.001.115-75
	43		2	Ring 032-036-25-2-4 GOST 18829-73/GOST 9833-73
	44	1520-2308063-10	2	Yoke
	45	72-2203026-11	4	Cross
	46	15.22.01.013-10	2	Yoke of doubled joint
	47		16	Bearing 704702 K3S10 TU VNIPP.065-99
		24-2201043-01	16	Locking ring
	48	24-2201043-10	16	Locking ring
		24-2201043-20	16	Locking ring
		24-2201043-30	16	Locking ring
	49	32	2	Blind plug
	50	1520-2308048	2	Yoke
	51		8	Bolt M8-6gh25.88.35.019 GOST 7796-70
	52	1520-2308004	2	Cover
	53	1520-2308003	2	Gasket
	54	80-1701045	2	Nut
	55	80-1701056	2	Washer
	56		2	Bearing 7509 A GOST 27365-87
	57	1520-2308002	2	Body
	58		2	Ring 095-100-30-1-4 GOST 18829-73/GOST 9833-73
	59	PK KG 3/8"	2	Plug
	60	PK KG 3/4"	2	Plug

* For FDA 1222-2300020

** For FDA 1222-2300020-05

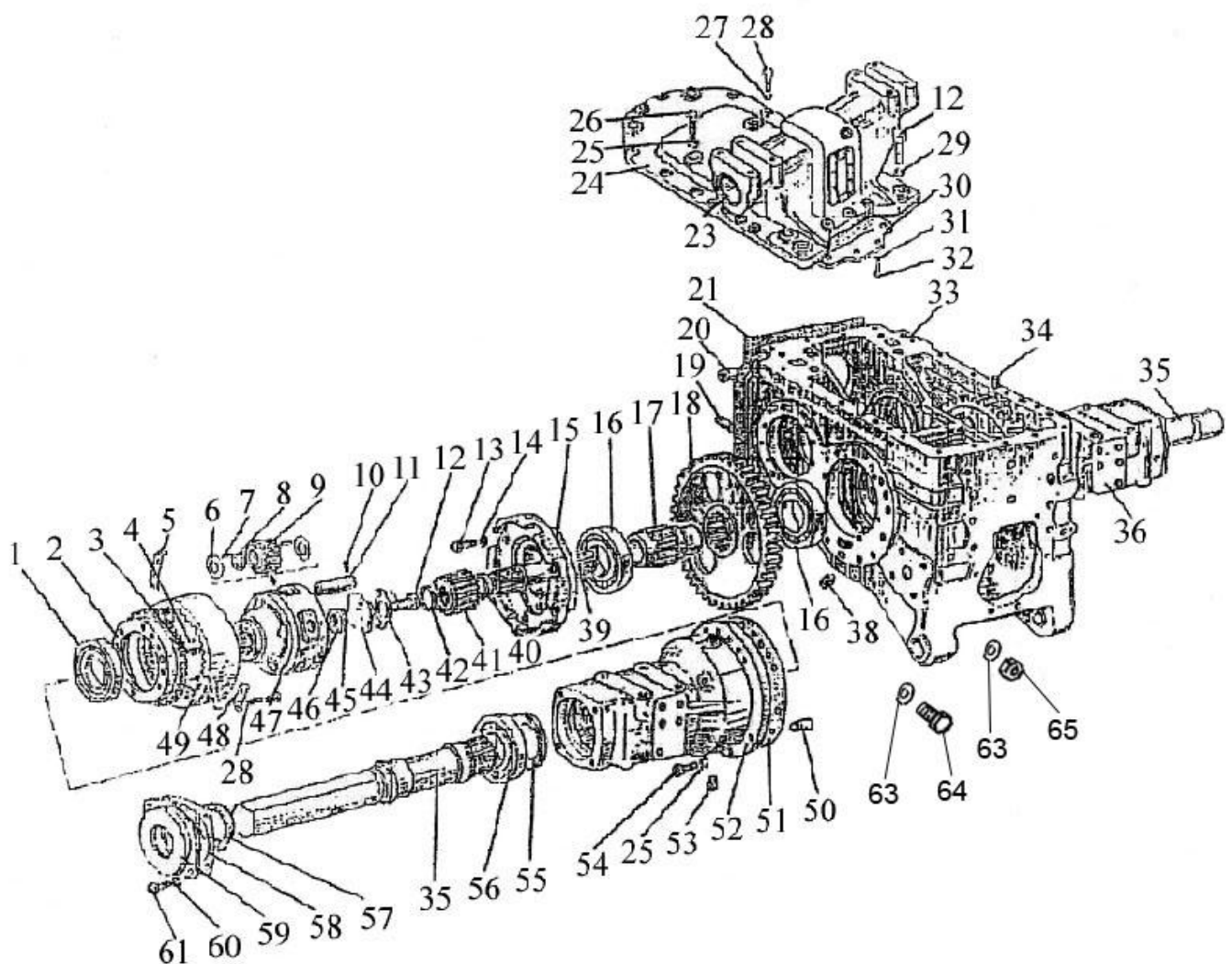


Fig. 24.1 Rear axle housing

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
24.1		1523M-2401010	1	Rear axle
		1221-2407540	2	Drive gear (39-42)
		1221-2407130	2	Body (15,16)
		1221-2407535-A1	2	Carrier (6-11,47)
		1522-2407500-02	1	Left final drive (1-5, 12, 35,43-46, 48-49, 52, 53, 56-61)
		1522-2407500-03	1	Right final drive (1-5, 12, 35, 36, 43-46, 48-49, 52, 56-61)
		1221-2407030	2	Cover (57, 59)
		1522-2401030	1	Cover (23, 24,30-32)
	1		2	Bearing 7217 A GOST 27365-87
	2	1221-2407502-B	2	Epicycle hub
	3	1221-2497512	4	Dowel
	4	54.38.619	4	Locking ring
	5	1221-2407503-A	4	Plate
	6	1221-2407538	16	Planet pinion washer
	7		368	Roller 5h27,8 A3 GOST 6870-81
	8	1221-2407539	8	Distance washer
	9	5336-2405035-A	8	Planet pinion
	10		8	Dowel A.8h45.65G GOST 14229-93
	11	1221-2407556-A	8	Planet pinion axle
	12	70-4605036	4	Bolt
	13		16	Bolt M12-6gh35.88.35.019 GOST 7796-70
	14		16	Washer 12 OT OST 37.001.115-75
	15	1221-2407131	2	Body
	16		4	Bearing 217 A GOST 8338-75
	17	1221-2407123	2	Bushing
	18	1522-2407122	2	Driven gear
	19	50-4605027	1	Dowel
	20	36-3502037-A	2	Bushing
	21	1522-2401016	2	Gasket
	23	1522-4605007	2	Bushing
	24	1522-2401024	1	Cover
	25		28	Washer 16 OT OST 37.001.115-75
	26	M16x80	4	Bolt
	27		24	Washer 14 OT OST 37.001.115-75
	28	1221-2407505	24	Bolt
	29		4	Washer 20 OT OST 37.001.115-75
	30	1522-2401026	1	Cover
	31		8	Washer 8T OST 37.001.115-75
	32		8	Bolt M8-6gh20.88.35.019 GOST 7796-70
	33	1522-2401015	1	Housing
	34	D01-015	2	Dowel
	35	1221-2407082	2	Axle shaft
	36	1523M-2407018-01	1	Right tube of axle shaft
	38	70-1701300	1	Magnetic plug

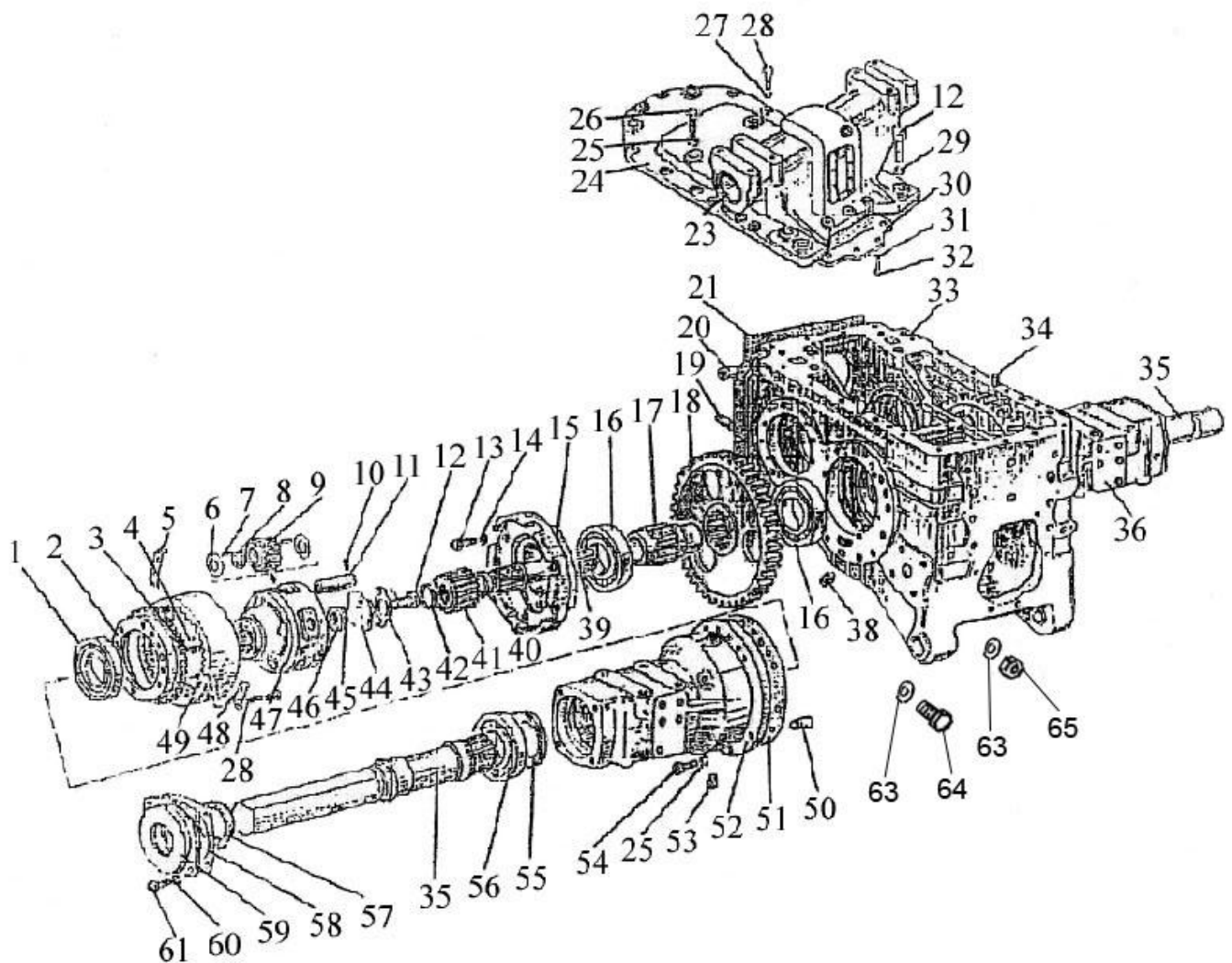


Fig. 24.1 Rear axle housing

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
24.1	39	1221-2407541	2	Shaft
	40	1221-2407542	2	Bushing
	41	5336-2405028-A	2	Drive gear
	42	2C55	2	Ring
	43	1221-2407507	2	Washer
	44	1221-2407537	2	Washer
	45	1221-2407506*	2-10	Gasket 0,5 mm
	46	1221-2407506-01*	2-10	Gasket 0,2 mm
	47	1221-2407536-B	2	Carrier
	48	1221-2407504	8	Plate
	49	5336-2405050-A	2	Driven gear
	50	1221-2407508-01	4	Dowel
	51	1221-2407552	2	Gasket
	52	1523M-2407018	1	Left tube of axle shaft
	53		2	Plug - KG 1/8". A12.019 TU 23.1.506-91
	54		24	Bolt M16-6gh60.88.35.019 GOST 7795-70
	55	142-2407091	2	Ring
	56		2	Bearing 7218 A GOST 27365-87
	57		2	Collar 2.2-90h120-1 GOST 8752-79/OST 3805146-78
	58	1221-2407089	2	Gasket
	59	1221-2407028	2	Cover
	60		8	Washer 10 OT OST 37.001.115-75
	61		8	Bolt M10-6gh25.88.35.019 GOST 7796-70
	62		2	Collar 2.2-25h42-1 GOST 8752-79/OST 3805146-78
	63		6	Washer 18 OT OST 37.001.115-75
	64	1221-24010011-01	3	Bolt
	65		3	Nut M8-6N.6.019 GOST 5915-70

* Selection

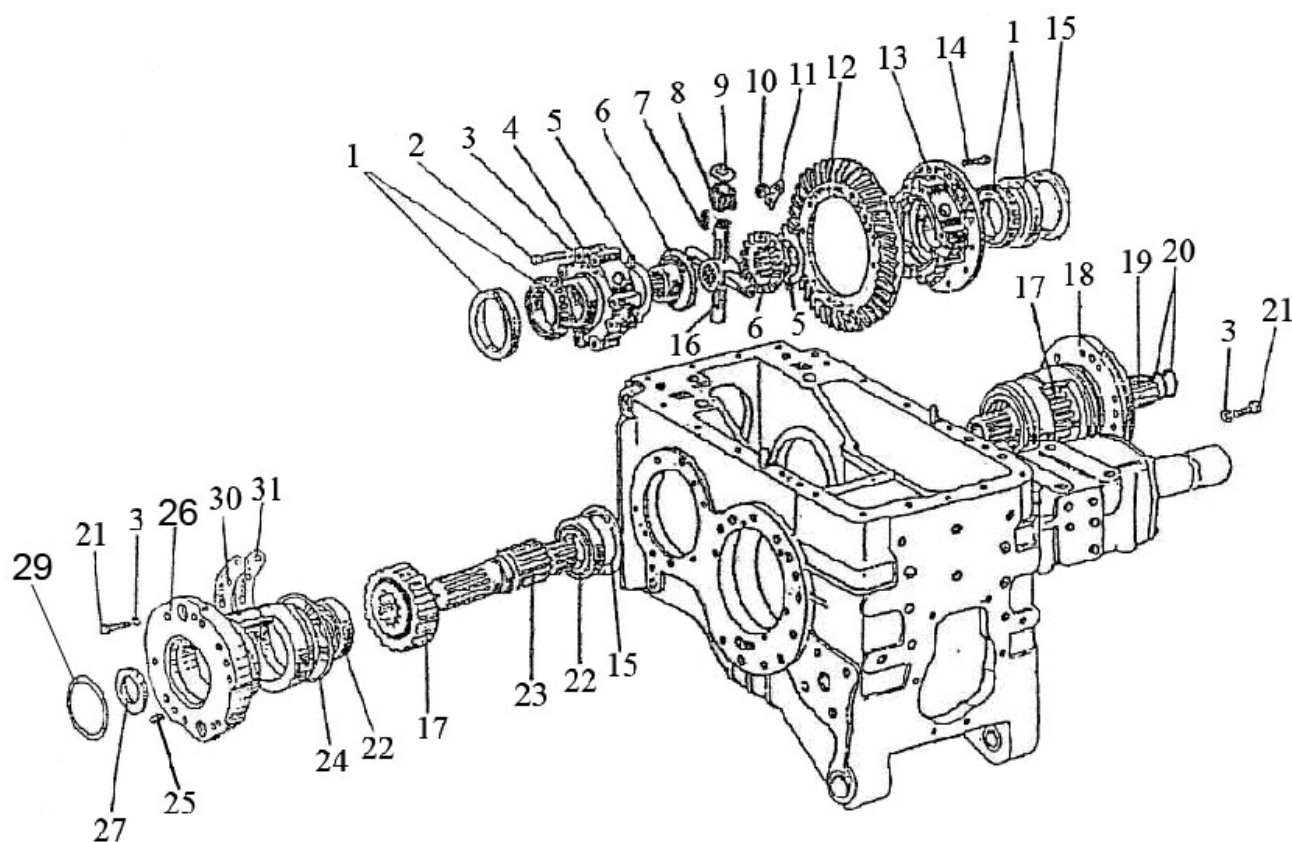


Fig. 24.2 Differential. Bearing body.

**Group 24. Rear axle
Subgroup 2403, 2407. Differential. Bearing body.**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
24.2		1522-2403010-A	1	Differential (1-14, 16)
		1522-2403015-02	1	Differential housing (2, 4, 13)
		1523M-2407060	1	Left cage (15, 17, 18, 22-24)
		1523M-2407060-01	1	Right cage (15, 17-19, 22, 24)
	1		2	Bearing 7216 A GOST 27365-87
	2	50-2403034-A	8	Bolt
	3		8	Washer 12 OT OST 37.001.115-75
	4	1522-2403019-02	1	Cover
	5	1220-2403049	2	Backup plate
	6	1522-2403048	2	Side gear
	7		100	Roller 4h29,8 A3 GOST 6870-81
	8	1522-2403057-B	4	Planet pinion
	9	1522-2403025-B	4	Planet pinion washer
	10		12	Nut M12-6N.6.019 GOST 5915-70
	11	50-2403023	6	Lock plate
	12	50-2403021-V	1	Driven gear
	13	1522-2403018-02	1	Housing
	14	50-1702092	12	Dowel bolt M12x42
	15	1221-2407043	2	Ring
	16	1522-2403062-B	1	Cross
	17	1522-2407052	2	Gear
	18	1221M-2407042-01	1	Right bearing body
	19	1221M-2407053	1	Shaft
	20		2	Ring 035-040-30-1-4 GOST 18829-73/GOST 9833-73
	21	80M-2407041	14	Bolt
	22	311A (6-311ASH1)	4	Bearing
	23	1221M-2407053-01	1	Shaft
	24	205-210-36-1-4	2	Ring
	25	80M-2407039	4	Dowel
	26	1221M-2407042	1	Left bearing body
	27	2.2-52x75-1	2	Collar
	29		2	Ring S125 GOST 13940-86
	30	1221-2407056*	1-8	Gasket 0,5 mm
	31	1221-2407057*	4-20	Gasket 0,2 mm

* Selection

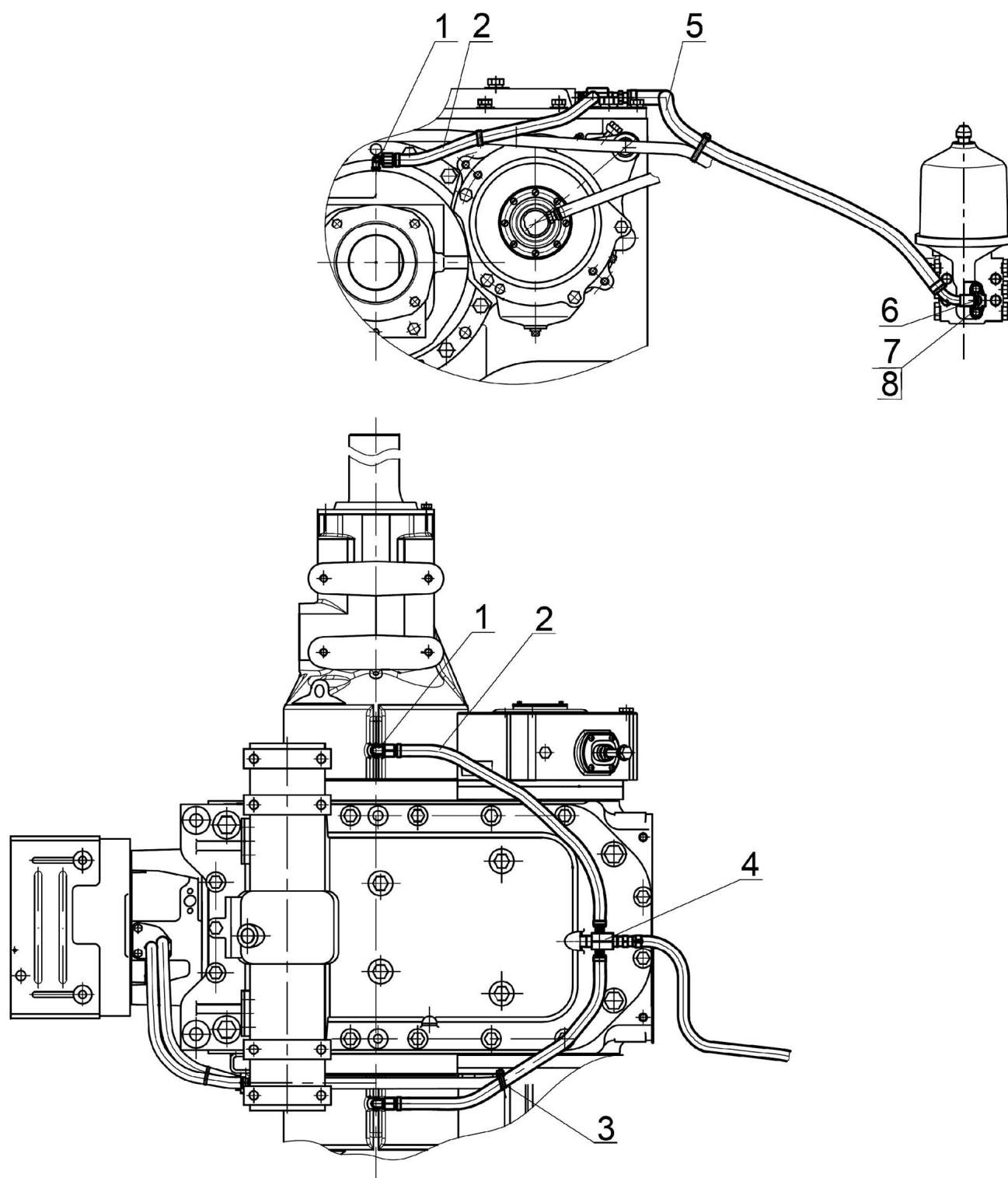


Fig. 24.3 Lubrication system of rear axle

Group 24. Rear axle
Subgroup 2401. Lubrication system of rear axle

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
24.3	1	822-3503037	2	Screw-in angle piece
	2	1525-2401510	2	Oil pipeline
	3	80-3723045-01	3	Collar
	4	2022-2401513	1	Adapter
	5	2022-2401520	1	Oil pipeline
	6	017-022-30-1-4	1	Ring GOST18829-73/GOST98373
	7		2	Bolt M8h30 GOST 7796-70
	8		2	Washer 8T OST 37.001.115-75

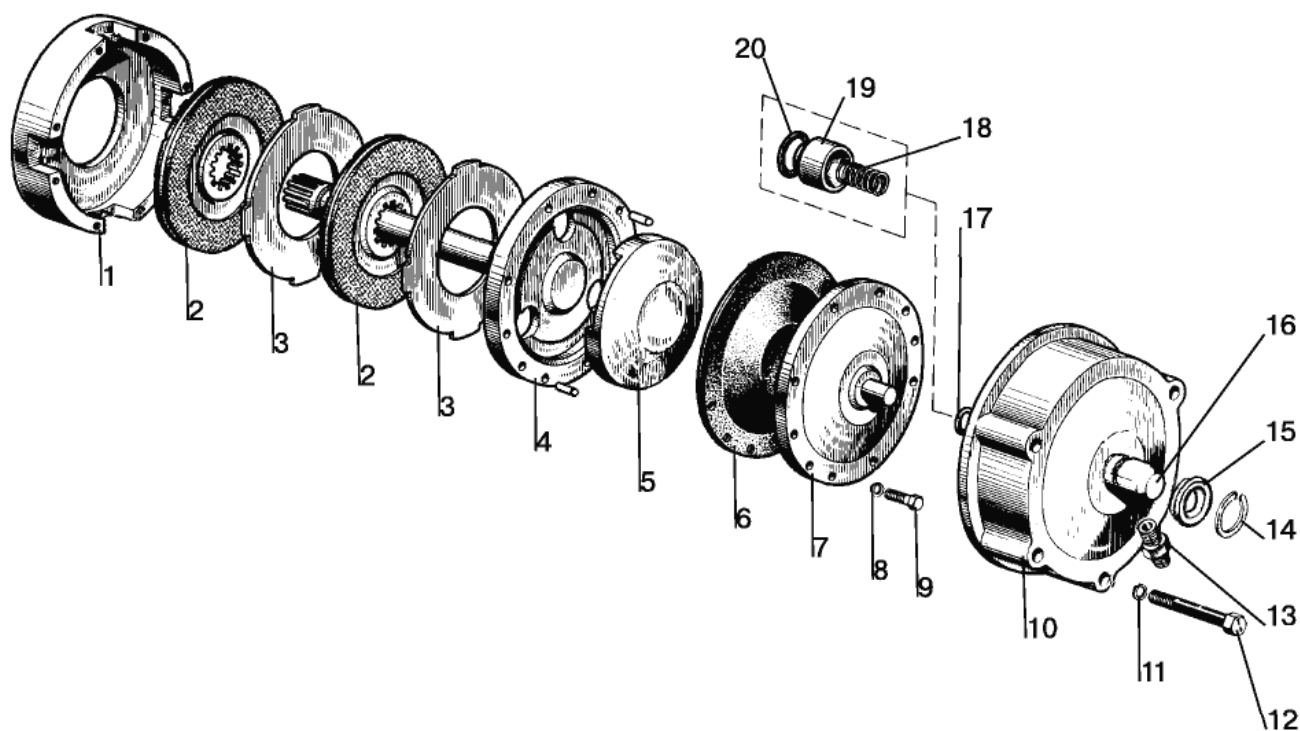


Fig. 24.4 Differential lock mechanism

Group 24. Rear axle
Subgroup 2409. Differential lock mechanism

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
24.4		70-2409010-B-01	1	Lock clutch (1-9)
		82P-2409050-02	1	Adapter (10, 13-20)
	1	70-2409015-A	1	Clutch housing
	2	70-3502040-01 or 70-3502040-04	2	Disc
	3	70-2409028	2	Release disc
	4	70-2409020-01	1	Locking shaft
	5	70-2409018	1	Pressure plate
	6	70-2409021	1	Membrane
	7	70-2409030-B	1	Membrane cover
	8		8	Washer 8T OST 37.001.115-75
	9		8	Bolt M8-6gh40.88.35.019 GOST 7795-70
	10	70-2409035-A6	1	Casing
	11		5	Washer 12 OT OST 37.001.115-75
	12	1522-2409034	5	Bolt
	13	85-3407470	1	Fitting
	14		1	Ring S40 GOST 13940-86
	15	82P-2409036A	1	Sealant
	16	70-2409026-B	1	Adapter
	17	020-025-30-1-4	1	O-Ring
	18	54-06-448-A	1	Spring
	19	70-2409027-A	1	Bushing
	20	70-2409033-B	1	Ring

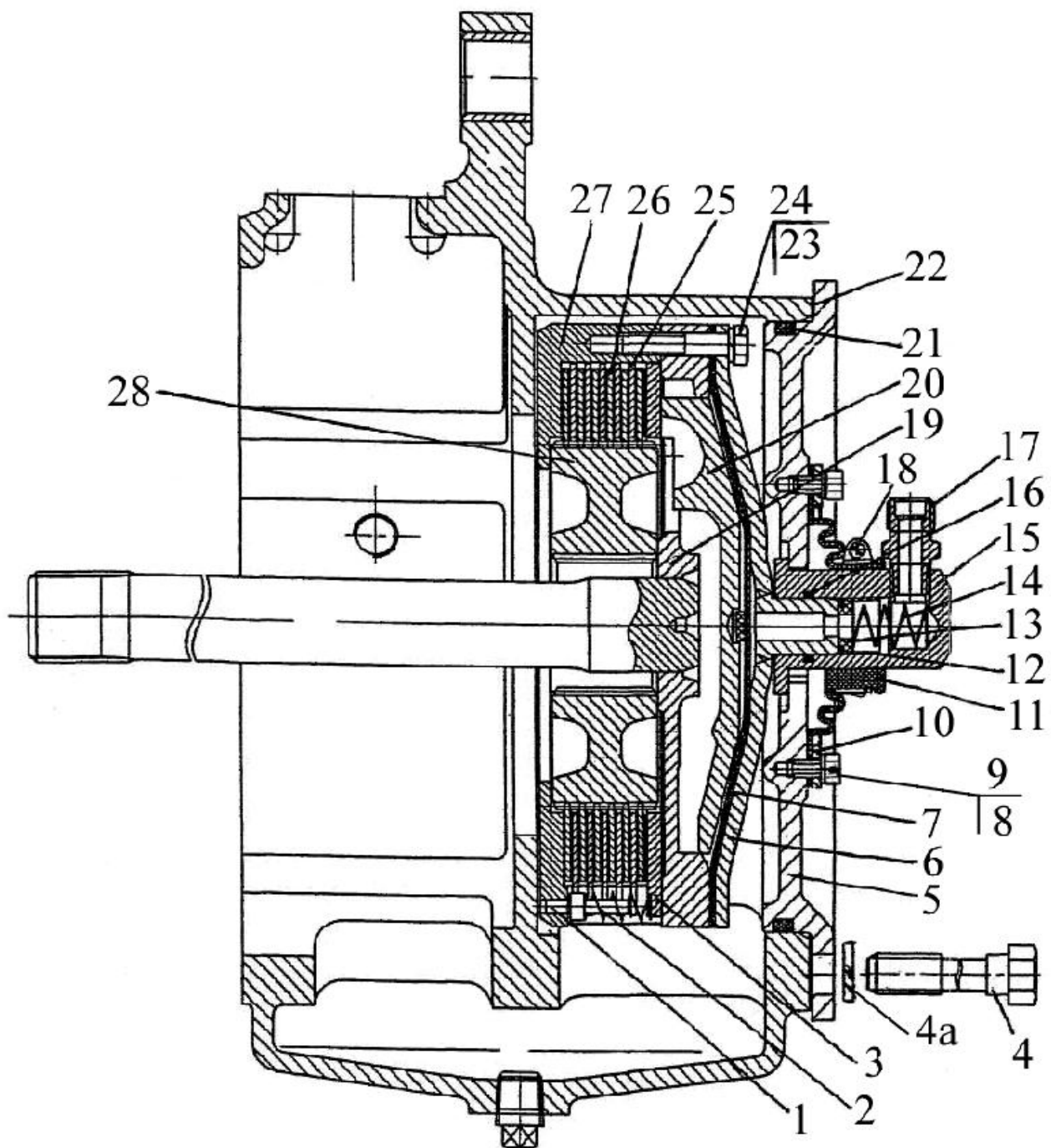


Fig. 24.5 Differential lock clutch of "wet" type

Group 24. Rear axle
Subgroup 2409. Differential lock clutch of «wet» type

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
24.5		80M-2409010	1	Lock clutch (1-3,6,7,19,20,23-28)
		1221M-2409050-01	1	Adapter (5,8-18,21)
	1	80M-2409002	4	Pin
	2	50-1702148-A	4	Spring
	3	80M-2409028	1	Release disc (S=4,7mm)
		80M-2409028-01*	*	Release disc (S=4,4mm)
		80M-2409028-02*	*	Release disc (S=4,1 mm)
		80M-2409028-03*	*	Release disc (S=3,8mm)
		80M-2409028-04*	*	Release disc (S=3,5mm)
		80M-2409028-05*	*	Release disc (S=3,2mm)
		80M-2409028-06*	*	Release disc (S=3,0mm)
	4	1221M-3502039	5	Bolt
	4a		5	Washer 14 OT OST 37.001.115-75
	5	1221M-2409034-01	1	Cover
	6	70-2409030-B	1	Membrane cover
	7	70-2409021	1	Membrane
	8		8	Bolt M8-6gh40.88.35.019 GOST 7795-70
	9		8	Washer 6T OST 37.001.115-75
	10	80M-2409037	1	Ring
	11	80M-2409036	1	Sealant
	12	70-2409033-B	1	Ring
	13	70-2409027-A	1	Bushing
	14	54-06-448-A	1	Spring
	15	70-2409026-B	1	Adapter
	16	020-025-30-1-4	1	Ring
	17	85-3407470	1	Fitting
	18		1	Clamp "NORMA" TORRO 32-50/9-C6W or Clamp/Clamp NORMA TORRO 35-50/971
	19	70-2409020-02	1	Locking shaft
	20	80M-2409018	1	Pressure plate
	21		1	Ring 205-215-58-2-2 GOST 18829-73/GOST 9833-73
	22	1221M-2409051	1	Gasket
	23		8	Bolt M8-6gh40.88.35.019 GOST 7795-70
	24		8	Washer 8T OST 37.001.115-75
	25	80M-2409016	5	Intermediate disc
	26	2522-1802035-A	6	Drive plate
	27	80M-2409015	1	Clutch housing
	28	80M-2409001	1	Hub

* Selection

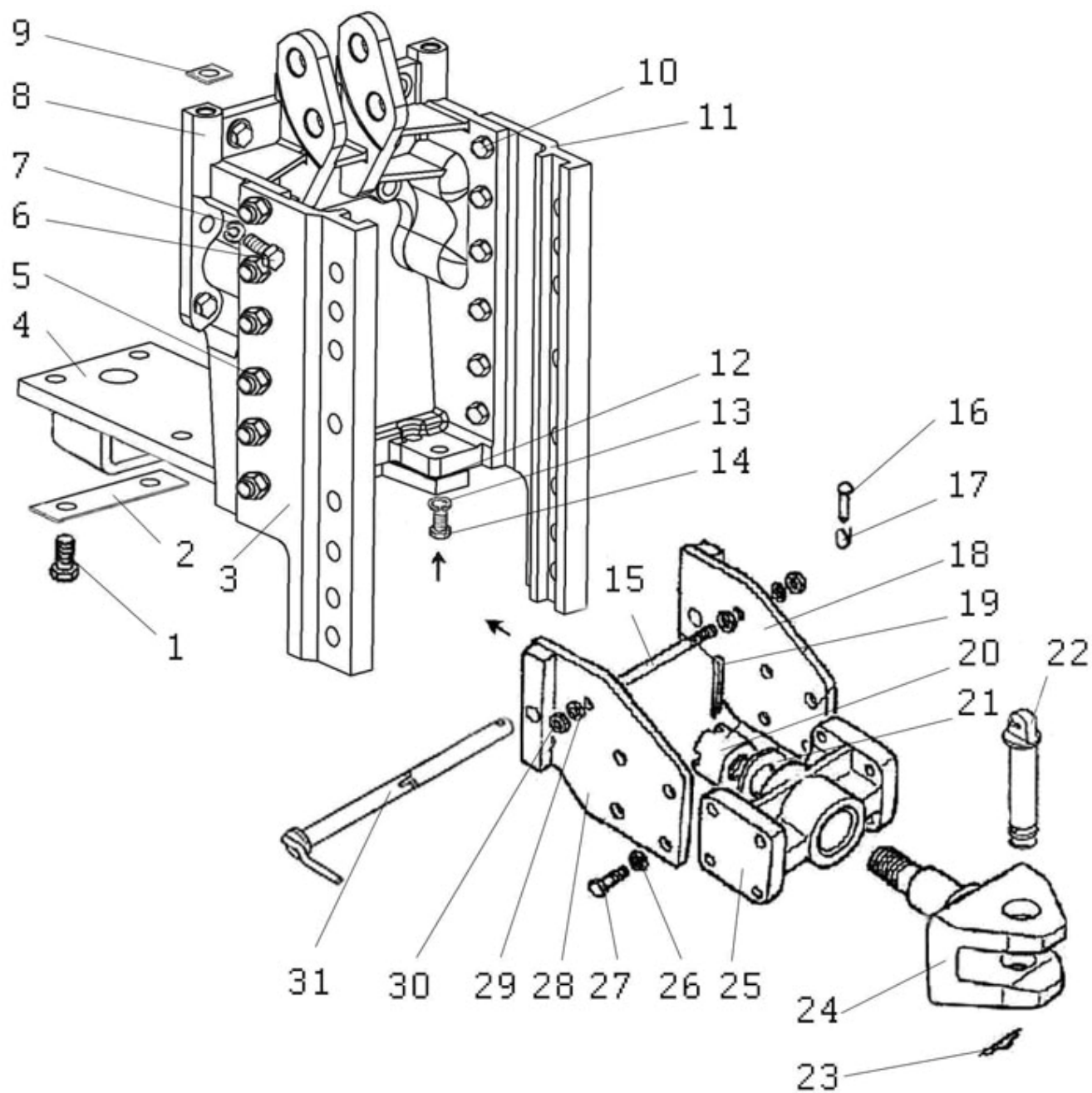


Fig. 27.1. Drawbar hitch

Group 27. Drawbar hitch
Subgroup 2707. Drawbar hitch

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
27.1		2022-2707010	1	Drawbar hitch (1-14)
		2022-2707060	1	Bracket (3, 5, 7, 8, 10, 11)
		1321-2707050-B	1	Yoke (15, 18-30)
	1	1321-2707014	4	Bolt
	2	1222-2707137	2	Plate
	3	2022-2707062	1	Guide
	4	1522-2707020-A 1522-2707021-B	1	Plate (with drawbar) Plate (without drawbar)
	5		12	Nut M20h1,5-6N.04.019 GOST 15522-70
	6	70-4605036	12	Bolt
	7		28	Washer 20 OT OST 37.001.115-75
	8	1522-2707061-B	1	Bracket
	9	1522-2707074 1522-2707074-01 1522-2707074-02	2 max 2 max 2 max	Washer
	10	1522-2707149-01	12	Bolt
	11	2022-2707062-01	1	Guide
	12	1522-2707135 1522-2707135-01 1522-2707135-02	2 max 2 max 2 max	1 mm. Plate 0,5 mm. 0,2 mm.
	13		4	Washer 20 OT OST 37.001.115-75
	14	680-2707024	4	Bolt
	15	1522-2707244	1	Buckle
	16	A61.05.005	1	Cotter key
	17	A61.05.004	1	Ring
	18	1321-2707070-B-01	1	Plate
	19		1	Split pin 6,3h63.019 GOST 397-79
	20	1522-2707243	1	Nut
	21	1522-2707242	1	Washer
	22	1321-2707140-B	1	Pin
	23	1321-2707042	1	Split pin
	24	1321-2707052	1	Yoke
	25	1321-2707051-B	1	Bracket
	26		8	Washer 20 OT OST 37.001.115-75
	27	680-2707024	8	Bolt
	28	1321-2707070-B	1	Plate
	29		2	Washer 16 OT 37.001.115-75
	30		4	Nut M16-6N.6.019 GOST 5915-79
	31	1321-2707030	1	Pin

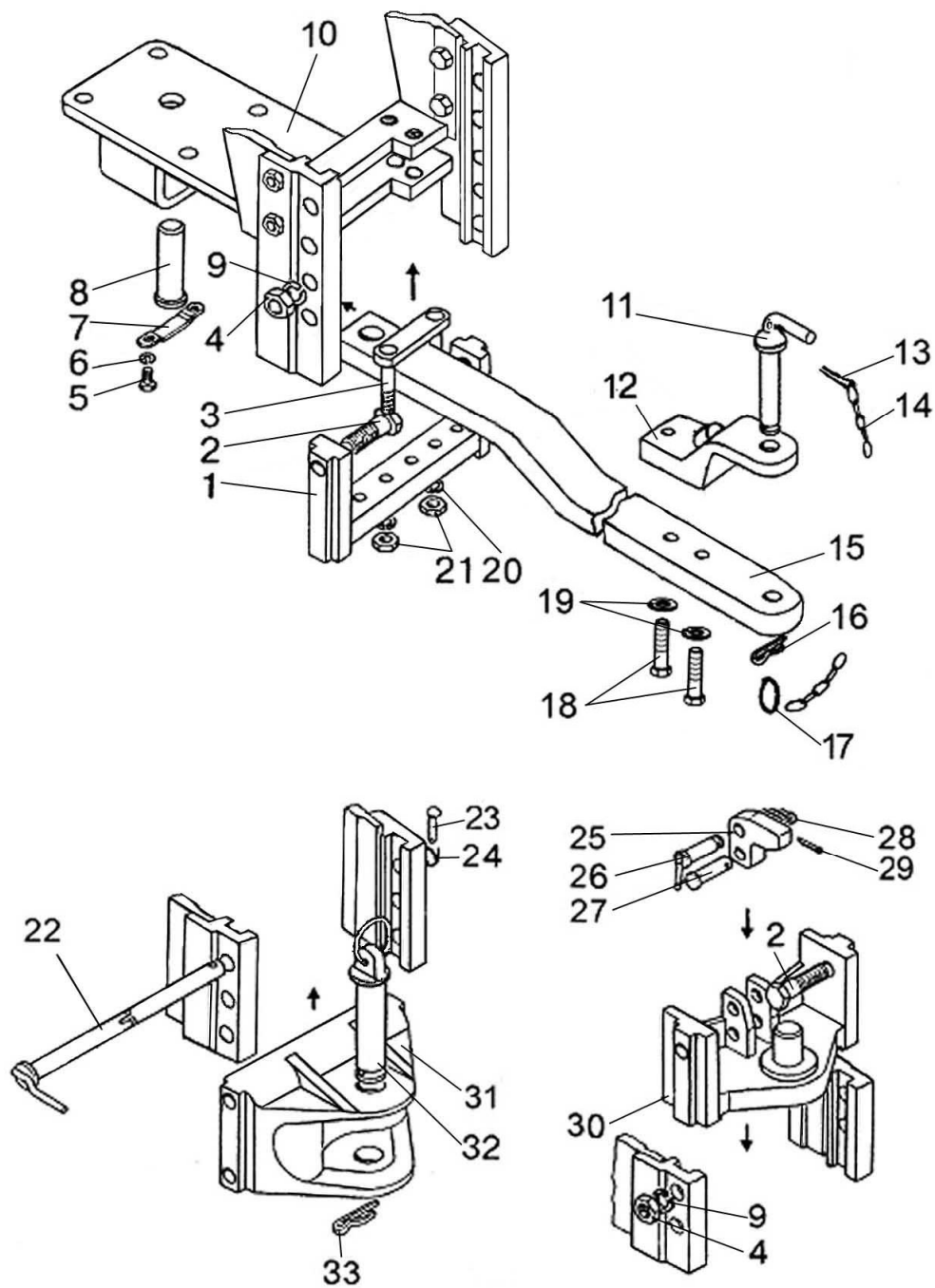


Fig. 27.2. Drawbar hitch (configuration variants)

Group 27. Устройство тягово-стопное
Subgroup 2707. Drawbar hitch (configuration variants)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
27.2		2022-2707150	1	Link (10-16, 18, 21)
		1322-2707160	1	Python (2, 4, 9, 28-33)
	1	1322-2707130	1	Crossbar
	2	1322-2707133	4	Bolt
	3	1322-2707120-B	1	Clip
	4		4	Nut M20h1,5-6N.04.019 GOST 15522-70
	5		2	Bolt M10h6gx20.88.35.019 GOST 7796-70
	6		2	Washer 10 OT OST 37.001.115-75
	7	1522-2707126	1	Plate
	8	1522-2707127	1	Axle
	9		4	Washer 20 OST 37.001.115-75
	10	1523-2707146	2	Washer
	11	1523-2707149	2	Bolt
	12	A61.07.001-A	1	Split pin
	13	N50-4202146	1	Ring
	14	1523-2707145	1	Strap
	15		1	Split pin 3,2h25.019 GOST 397-79
	16	1522-2707079-A	1	Pin
	17	1522-2707020-B	1	Plate
	18	70-4235035	2	Chain
	19		2	Nut M16-6N.6.019 GOST 5915-70
	20		2	Washer 16 OT OST 37.001.115-75
	21	2022-2707144	1	Link
	22	1321-2707140-B	1	Pin
	23	1321-2707042	1	Split pin
	24	A61.05.004	1	Ring
	25	A61.05.005	1	Cotter key
	26	1321-2707030	1	Pin
	27	1321-2707111-A or 1321-3707113-A	1	Yoke GOST Yoke EURO
	28	1322-2707165	1	Plate with python
	29	1322-2707162-01	1	Pin
	30	1322-2707180	1	Pin
	31	1322-2707161	1	Limit stop
	32	A61.07.001	1	Split pin
	33		1	Split pin 4h36.019 GOST 397-79

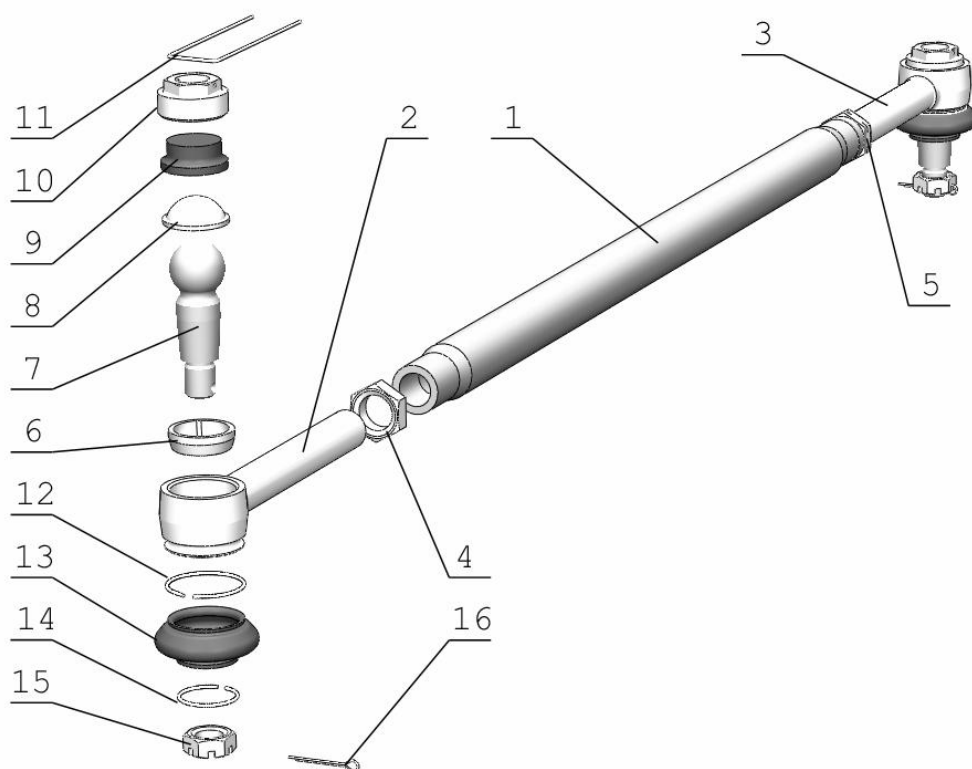


Fig. 30.1. Steering link

**Group 30. Steering link
Subgroup 3003. Steering link**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
30.1		822-3003010-01 or 822-3003010-A-01	1	Steering link (1-15)
		822-3003020 or 822-3003020-02*	1	Right joint (2, 6-14)
		822-3003020-01 or 822-3003020-03*	1	Left joint (3, 6-14)
	1	1220-3003011	1	Pipe
	2	1220-3003022	1	Right joint housing
	3	1220-3003022-01	1	Left joint housing
	4	1220-303013	1	Locknut
	5	1220-3003013-01	1	Locknut
	6	1220-3003023	2	Upper insert
	7	1220-3003021	2	Ball pin
	8	1220-3003027	2	Insert
	9	1220-3003028	2	Lower insert
	10	50-3003018-B or 822-3003018*	2	Plug
	11		2	Wire 2,0-O-S GOST 3282-74 L=270 mm
	12	1220-3003024	2	Ring
	13	1220-3003025-A or 1220-3003025-A1*	2	Cover
	14	1220-3003029	2	Ring
	15		2	Nut M20h1,5-6N.04.019 GOST 5919-73
	16	Split pin 4x36	2	Split pin

* - for steering link 822-3003010-A-01

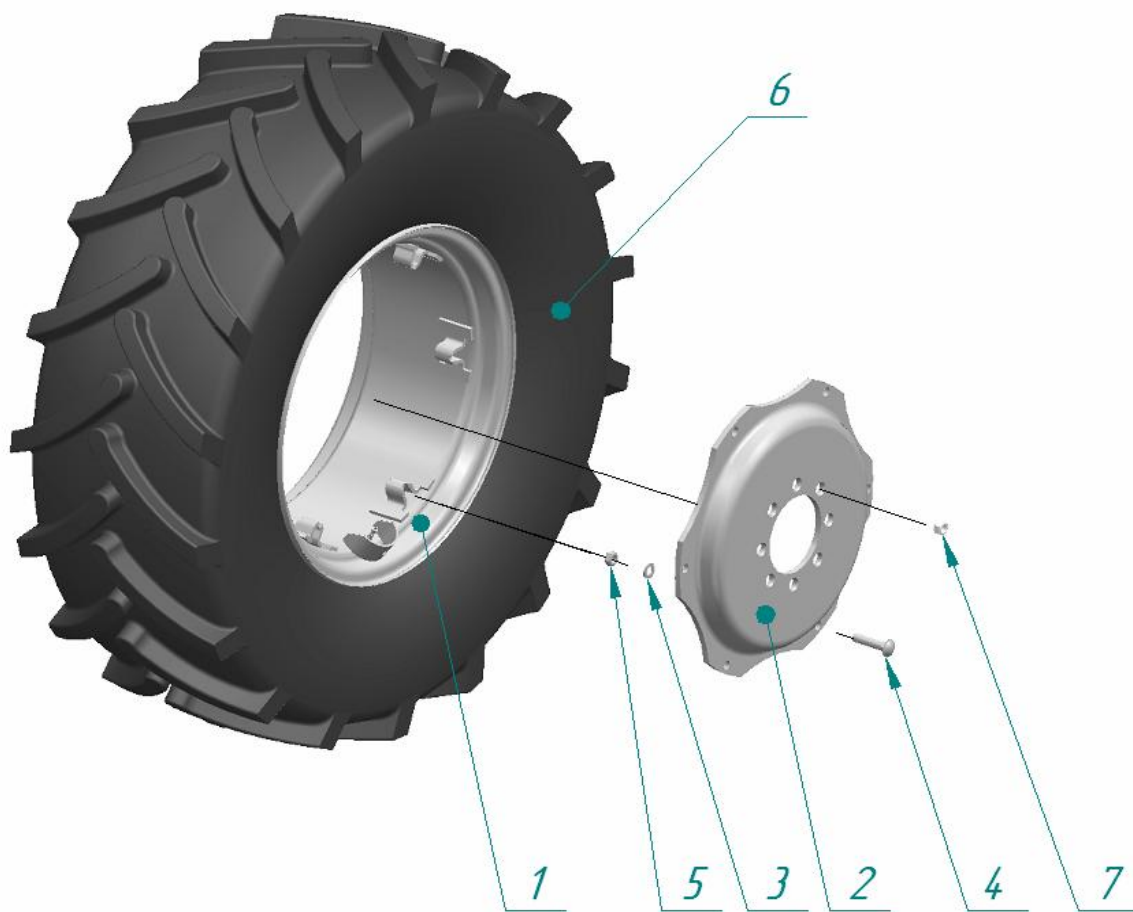


Fig. 31.1 Front driving wheels

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
31.1		1221-3101010-01 1221-3101010	2	Wheel (with tire 420/70R24) (1-6) or Wheel (with tire 14.9R24) (1-6)
		W12-24-3101020-01	2	Wheel W12x24 (1,2,3,4,5)
	1	W12-24-3101035	2	Rim W12x24 with brackets
	2	W12-24-3101017	2	Disc
	3	52-2301065	12	Washer
	4	1221-3101011	12	Bolt
	5	1221-3101013	12	Nut or Nut M16x1.5
	6		2	Tire 420/70R24 or 14.9R24
	7	40-3103017-01	16	Nut

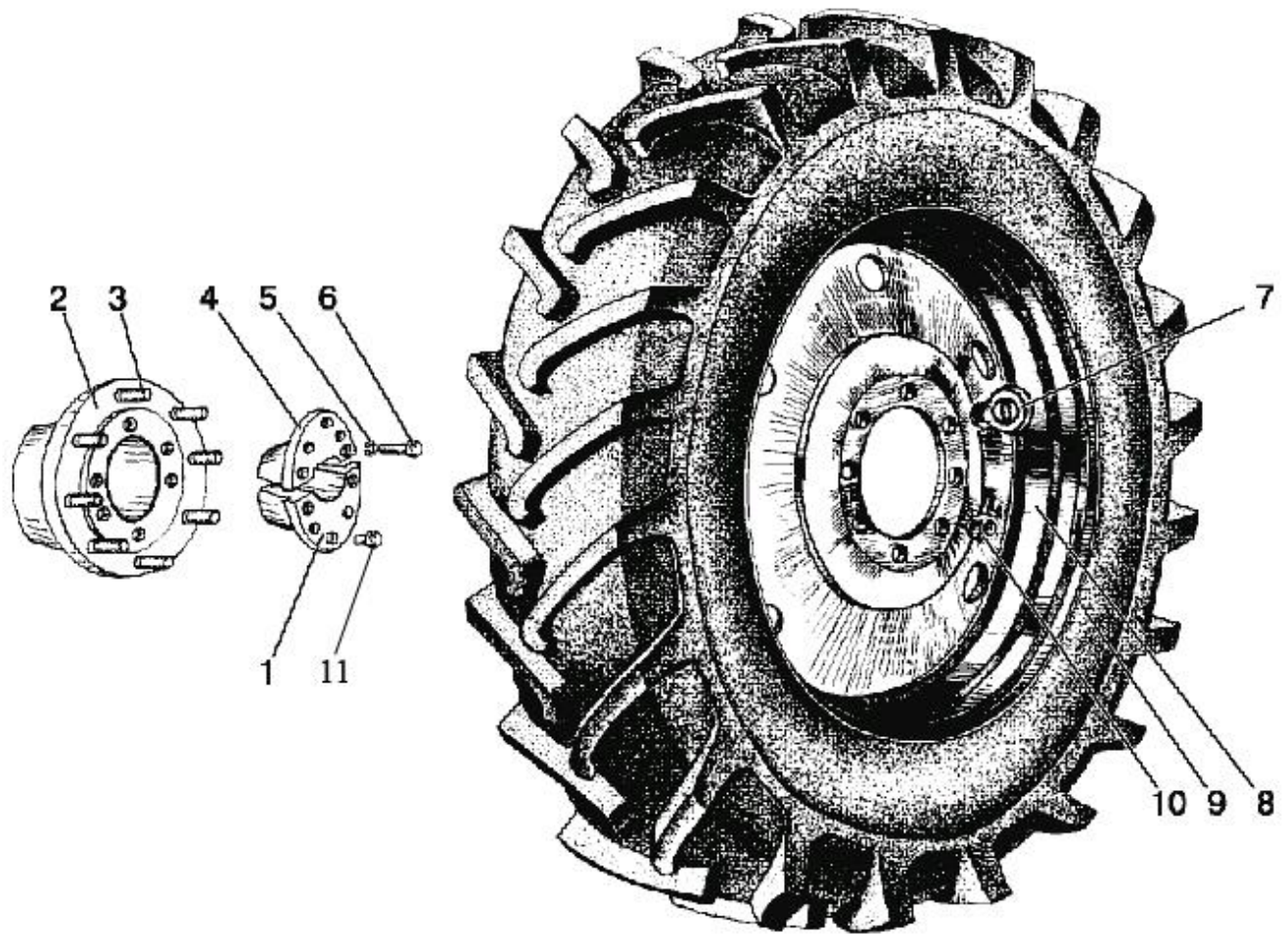


Fig. 31.2 Rear driving wheels

Group 31. Wheels and hubs
Subgroup 3107. Rear driving wheels

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
31.2		1220-3104010	2	Hub (1-7, 10)
	1	1220-3104012	1	Insert
	2	1220-3104011	1	Hub housing
	3	40-3104021	8	Bolt
	4	1220-3104012-01	1	Insert
	5		6	Washer 20 OT OST 37.001.115-75
	6	70-4605036	6	Bolt
	7	70-3104019	2	Special nut
		1522-3107010	2	Wheel 520/70R38 (assembled with tire 8,9)
	8	DW 16Lh38-3107020 or 886.3107012	2	Wheel DW16Lh38 Wheel DW16Lh38
	9		2	Tire 520/70R38
		1221-3107010*	2	Wheel 18,4R38 (assembled with tire 8,9)
	8	DW 15Lh38-3107020 or 8746.3107012PZ	2	Wheel DW15Lh38
	9		2	Tire 18,4R38*
	10	36-3104019	16	Nut
	11	80-3405038-03	4	Plug

* optional(additional kitting)

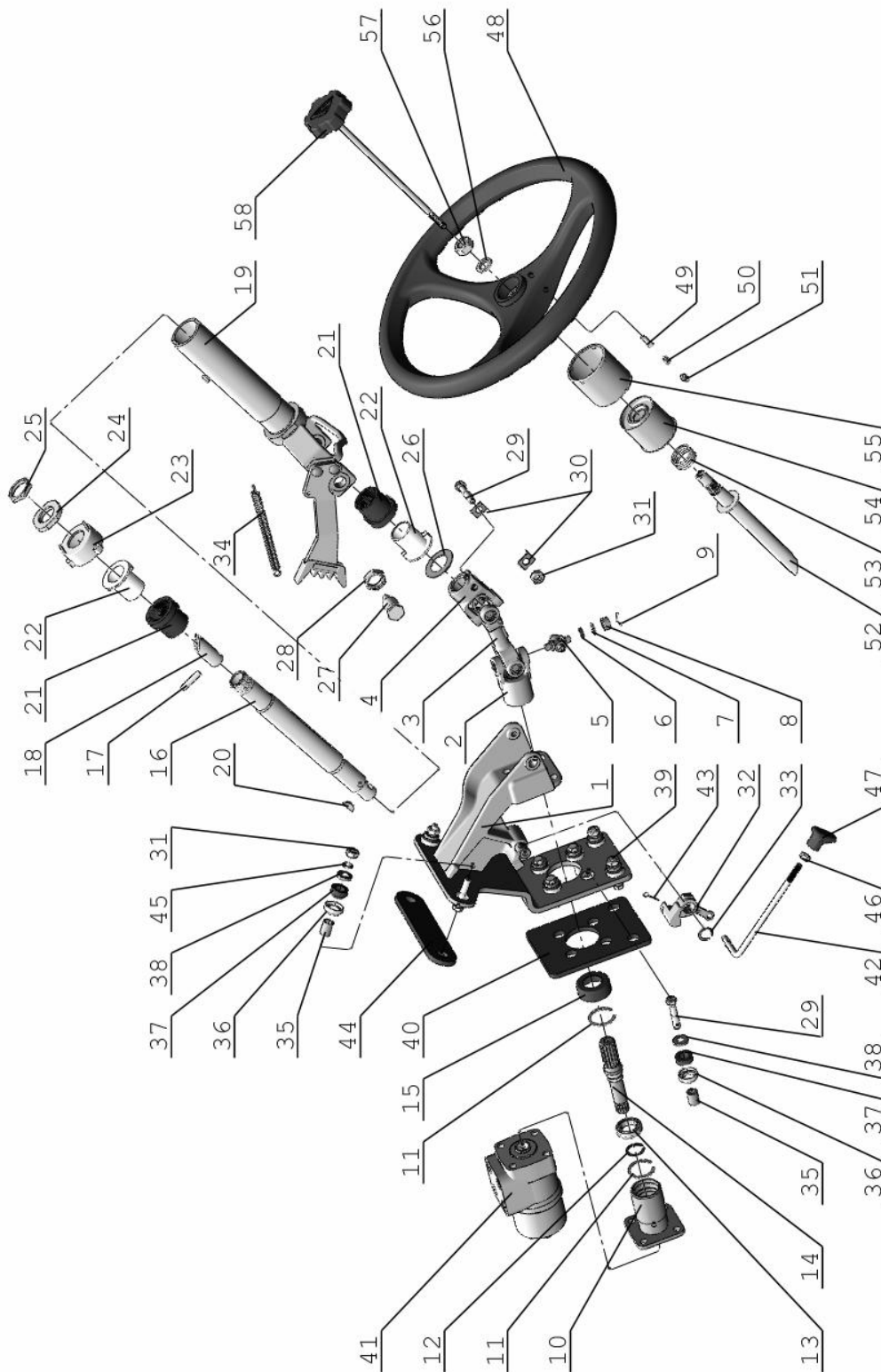


Fig. 34.1. Steering column

Group 34. Steering
Subgroup 3401. Steering column

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
34.1		2522-3401000-02	1	Steering column
		2522-3401010	1	Steering column (Pos. 1-34)
		2522-3401150	1	Cardan (Pos. 2-9)
		422-3401040	1	Housing (Pos. 10-15)
		70-3401050-B	1	Shaft (Pos. 16-18)
		85-3401170 or 85-3401170-A	1	Steering wheel (Pos.48-57)
	1	2522-3401120	1	Bracket
	2	422-3401151	1	Yoke
	3	2522-3401151	1	Yoke
	4	50-3401061-A	1	Yoke
	5	50-3401062	2	Cross
	6	50-3401064	8	Gland seal
	7	50-3401063	8	Cage
	8		8	Bearing 904700 US17 TU 37.006.065-90
	9		8	Ring S 19 GOST 13943
	10	422-3401060	1	Housing
	11		2	Ring S 42 GOST 13941
	12		1	Ring S 25 GOST 13940
	13	SNR 61905 EE or SKF 61905-2RS1	1	Bearing
	14	422-3401041	1	Shaft
	15	422-3401042	1	Cover
	16	70-3401055	1	Shaft
	17	SHTSK 8h36	1	Dowel
	18	70-3401054-B	1	Shaft end
	19	822-3401080	1	Pipe
	20	SSH-510	1	Key 5h10
	21	70-3401077-B	2	Shock adsorber
	22	70-3401076	2	Bushing
	23	80-3709022	1	Bump stop
	24	70-3401078	1	Nut
	25	70-3401079	1	Locknut
	26	600-3401012	1	Washer
	27	80-3401089	2	Screw
	28		2	Nut M20h1,5-6N.04.019 GOST 15522-70
	29		5	Bolt M10-6gh45.88.35.019 GOST 7795-70
	30	80-3401013	2	Washer
	31		5	Nut M10-6N.6.019 GOST 5915-70
	32	85-3401014-01	1	Locking pin
	33		1	Ring S 18 GOST 13940-86
	34	50-1310158-B	1	Spring
	35	2522-3401022	8	Bushing
	36	2522-3401023	8	Bushing
	37	2522-3401024	8	Bushing
	38	2522-3401021	8	Washer
	39		2	Bolt M10-6gh50.88.35.019 GOST 7795-70
	40	2522-3401011	1	Gasket

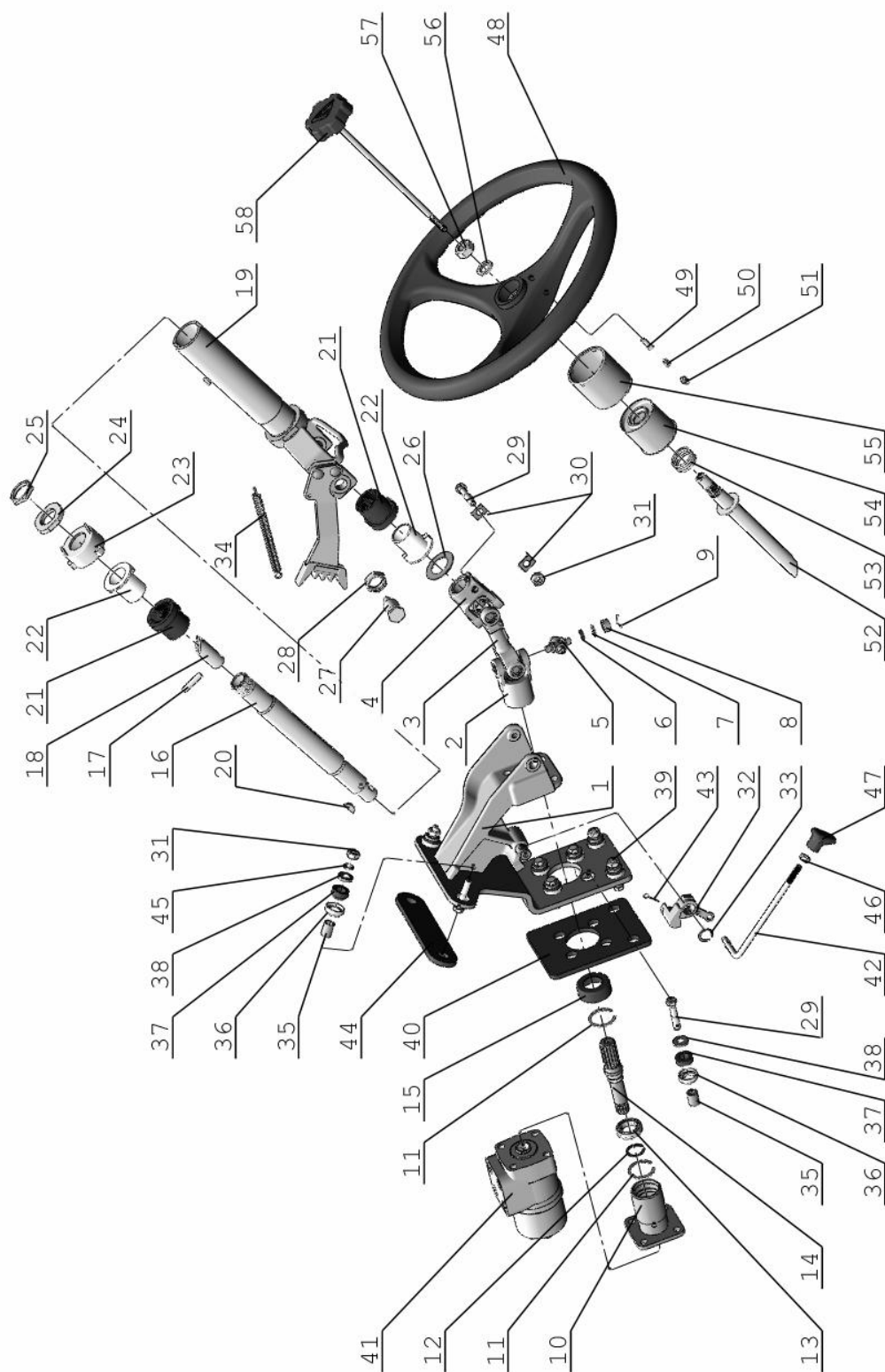
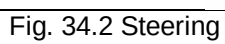


Fig. 34.1. Steering column

Group 34. Steering
Subgroup 3401. Steering column

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
34.1	41	OSPC-160 ON150G0030 or HKUS 160/4-140HP-02/3 or 1231 160 B ON.PMI or D 160-14.20-02 or LAGC 160N12/200-140M01-708S	1	Dosing pump
	42	822-3401001-02	1	Rod
	43		1	Split pin 2h12.019 GOST 397-79
	44	2522-3401001	1	Gasket
	45		4	Washer 10 OT OST 37.001.115-75
	46		1	Nut M8-6N.6.019 GOST 5915-70
	47	70-4803060	1	Handle
	48	85-3402015 or 70-3402015-A1/A2	1	Steering wheel
	49	822-3401171	1	Pin
	50	822-3401172	1	Spring
	51	822-3401173	1	Plug
	52	85-3401175	1	Shaft
	53	50-4608057	1	Spring
	54	80-3709025	1	Inner bushing
	55	80-3709026	1	Center bushing
	56		1	Washer 16L OST 37.001.115-75
	57		1	Nut M16h1,5-6N.6.019 GOST 5915-70
	58	822-3401140-A1	1	Clamp



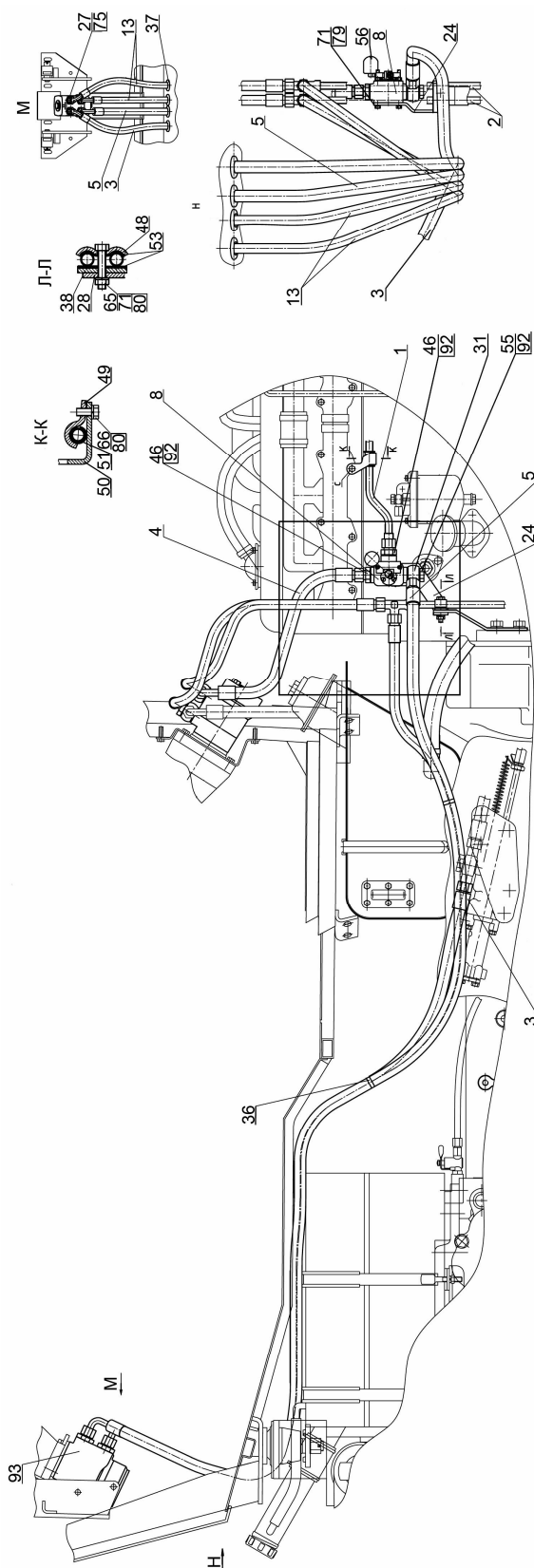


Fig. 34.3 Steering

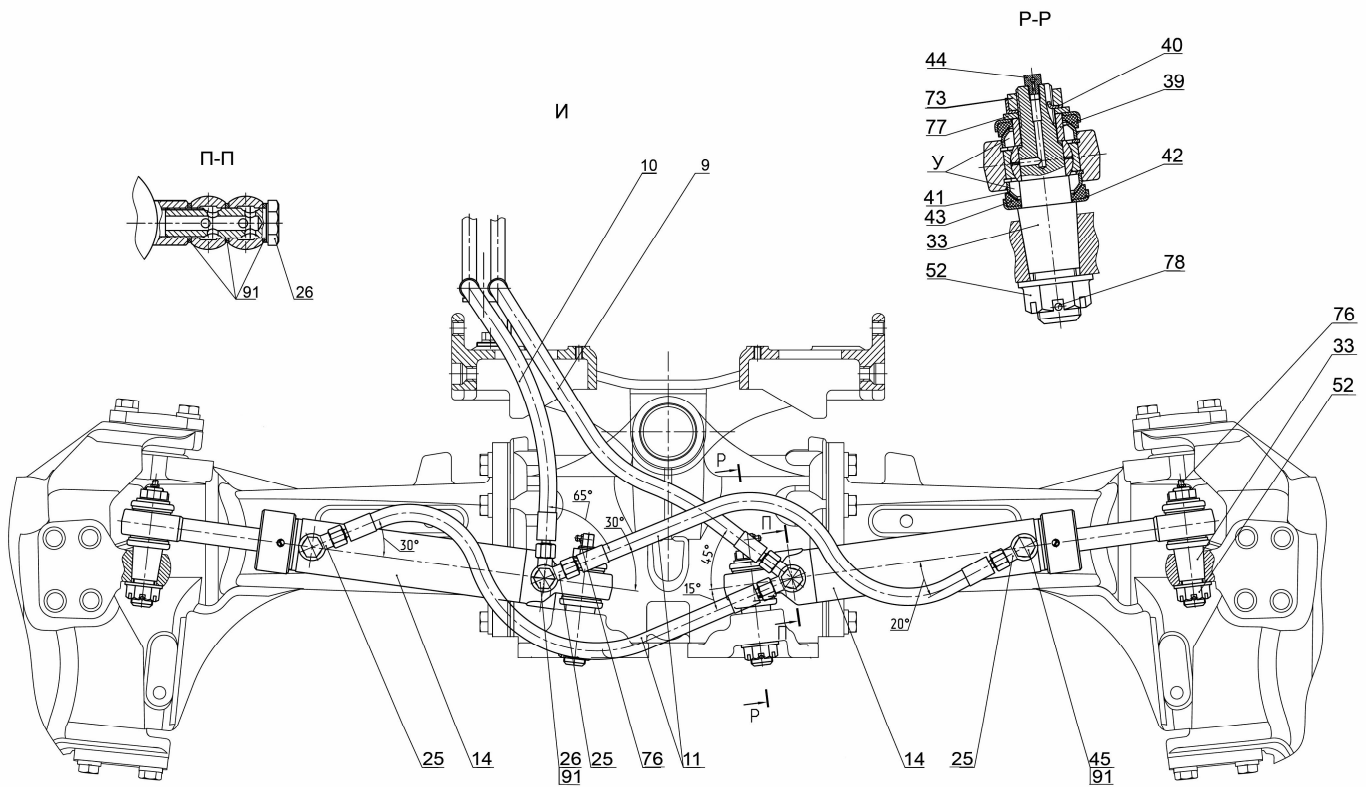


Fig. 34.4 Steering

Group 34 Steering
Subgroup 3400. Hydrostatic power steering

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
34.2		1523-3400010	1	Steering
34.3		1523-3400010-01	1	Steering
34.4	1	2022V-3407020*	1	Oil pipeline
	2	1523-3407050	2	Oil pipeline
	3	1522V-3407100-01*	1	High-pressure hose
	4	1522V-3407100-06*	1	High-pressure hose (L=420 mm)
	5	1522V-3407100-16*	1	High-pressure hose
	6	1221-3407020	1	Oil pipeline
	7	1221-3407030-A	1	Oil pipeline
	8	1221V-3407150-A*	1	Reverse valve
	9		1	High-pressure hose Ø8h1 (L=690 mm) 952-3407100-02
	10		1	High-pressure hose Ø8h1 (L=590 mm) 952-3407100-04
	11		2	High-pressure hose Ø8h1 (L=485 mm) 952-3407100-12
	12	680-4607140-11	2	High-pressure hose Ø 10h1 armoured (L=730 mm)
	13	680-4607140-08*	2	High-pressure hose Ø 10h1 armoured
	14	TS50-3405215-A	2	Hydraulic cylinder
	24	2022V-3407018*	1	Bracket
	25	2022-3407202-A	6	Rotary angle piece
	26	2022-3407301	2	Bolt
	27	1522-3407016	2	Fitting
		1522-3407016*	6	Fitting
	28	1522-3407017	1	Bracket
	29	1321-3407018-01	1	Hose (L=420)
	30	1221-3407013	1	Bracket
	31	530-4614029	2	Angle piece
		530-4614029*	3	Angle piece
	32	102-3407014	1	Clip
	33	102-3405103	4	Pin
	34	85-3407105	2	Bolt
	35	85-3407107	1	Strip
	36	80-3723045-01*	2	Collar
	37	80-3723048*	4	Bushing
	38	80V-3407012	1	Bracket
	39	F80-3405102-V	4	Bushing
	40	F80-3405103	4	Lock washer
	41	F80-3405107	8	Spherical bushing
	42	F80-3405108	8	Sealing pinion cage
	43	F80-3405109	8	Pivot joint sealant
	44	F80-3405112	2	Reducing sleeve
	45	F80-3407301	2	Bolt
	46	70-1405089*	2	Screw-in fitting
	48	70-3407146	3	Strip
	49	70-3407163	1	Clip
	50	70-3407164*	1	Bracket
	51	70-3506027	5	Bushing
	52	70-4605316	4	Nut
	53	70-4607158	2	Gasket

Group 34 Steering
Subgroup 3400. Hydrostatic power steering

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
34.2 34.3 34.4	54	70-4607158-01	1	Gasket
	55	40-4607032*	1	Clamp bolt
	56	A13.11.000	1	Handle
	65		4	Bolt M8-6gh45.88.35.019 GOST 7795-70
	66		1	Bolt M8-6gh20.88.35.019 GOST 7796-70
	67		1	Bolt M8-6gh25.88.35.019 GOST 7796-70
	68		2	Bolt M8-6gh30.88.35.019 GOST 7796-70
	69		2	Bolt M8-6gh35.88.019 GOST 7796-70
	70		1	Bolt M10-6gh25.88.35.019 GOST 7796-70
	71		4*	Bolt M6-6gh16.88.35.019 GOST 7798-70
	72		1	Nut M8-6N.6.019 GOST 5915-70
	73		4	Nut M20h1,5-6N.04.019 GOST 15522-70
	74		1	Ring 017-022-30-1-4 GOST 18829-73/GOST 9833-73
	75		2	Ring 025-029-25-2-2 GOST 18829-73/GOST 9833-73
			6*	Ring 025-029-25-2-2 GOST 18829-73/GOST 9833-73
	76		4	Oiler 1.1.TS9.hr GOST 19853-74
	77		4	Washer S 20.01.019 GOST 11371-78
	78		4	Split pin 4h36.019 GOST 397-79
	79		4	Washer 6T * OST 37.001.115-75
	80		9	Washer 8T OST 37.001.115-75
	81		1	Washer 10 OT OST 37.001.115-75
	82		1	Ring 020-024-25-2-2 GOST 188229-73/GOST 9833-73
	90		2	Clamp with worm thread 25-40
	91		10	Washer RM3/8
	92		4	Washer RM1/2
			8*	Washer RM 1/2
	93		2	Dosing pump OSPC-160 ON 1150G0030 or
				Dosing pump HKUS 160/4-140RZ-02/3 or
				Dosing pump 1231 160 V ON.PMI or
				Dosing pump SUB 160.140-200-1

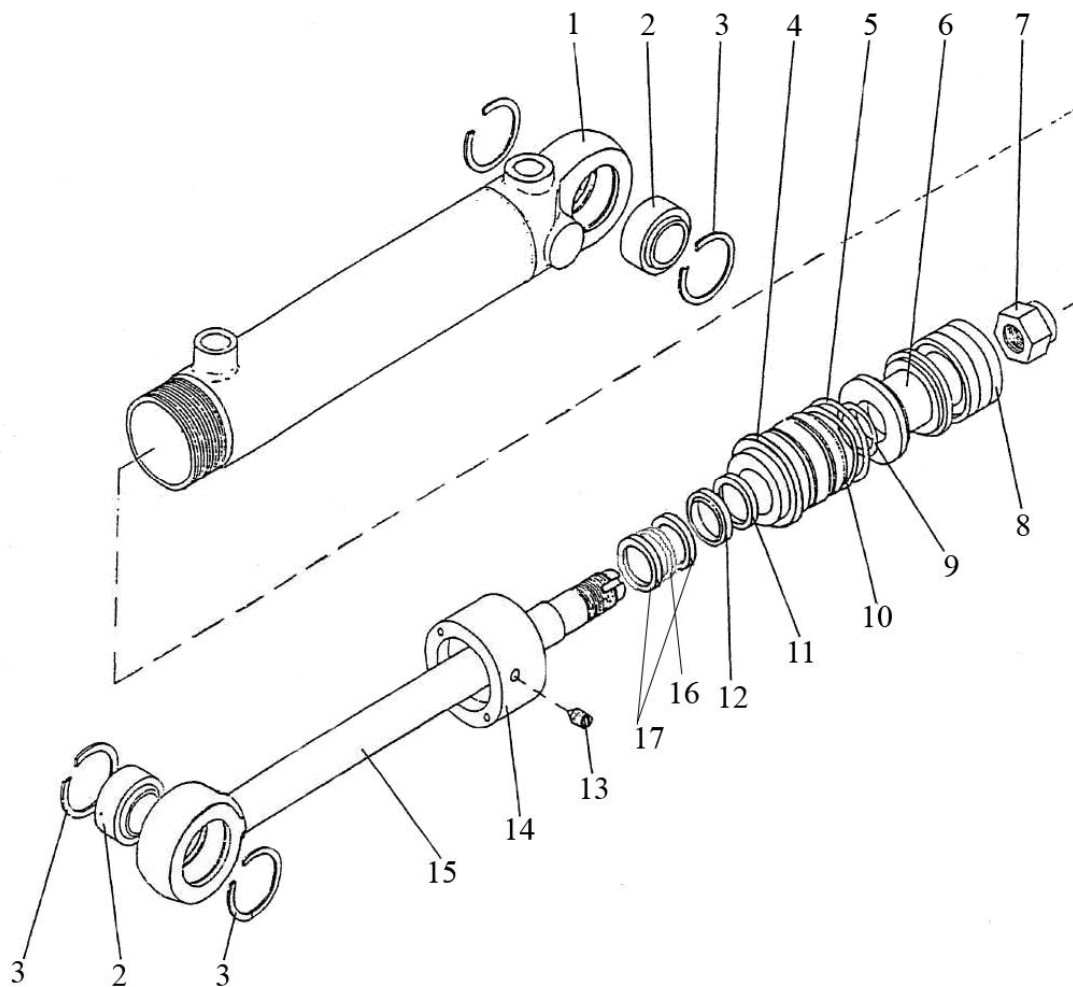
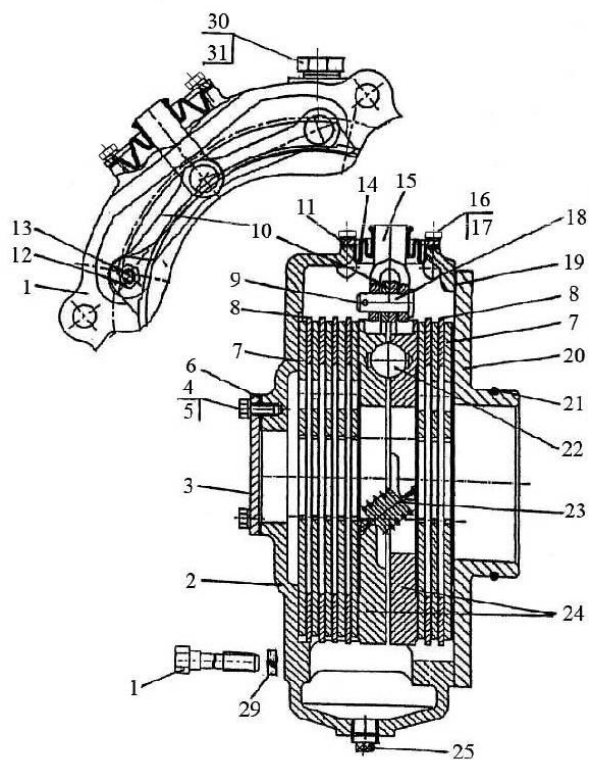


Fig. 34.5 Hydraulic cylinder 50h25-200

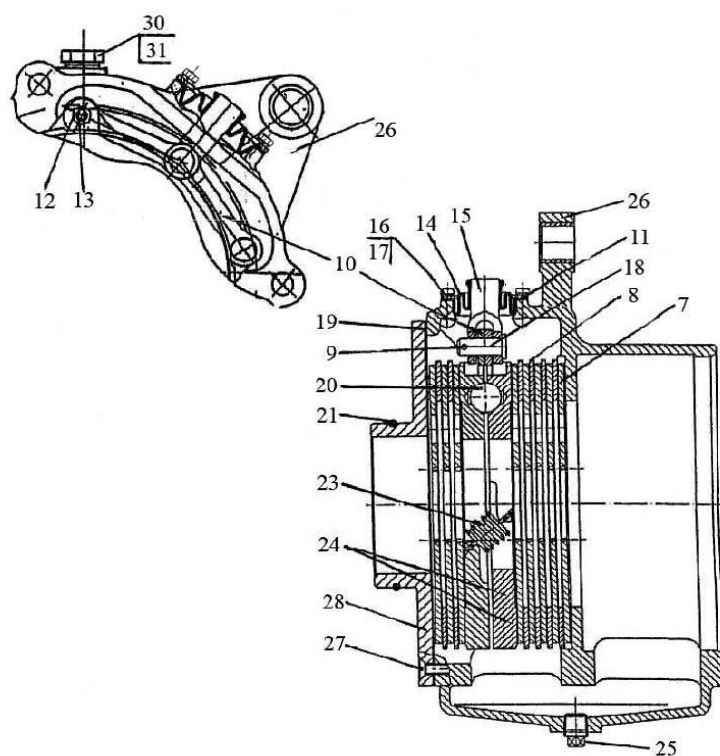
Group 34 Steering
Subgroup 3405. Hydraulic cylinder 50x25-200

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
34.5		TS50-3405215-A	1	Hydraulic cylinder 50x25-200 (2-16)
	1	TS50-3405220	1	Cylinder housing
	2		2	Bearing SHS-25 GOST 3635-78 or Bearing SHSP-25 TU RB 05808863.001-99
	3		4	Ring S42 GOST 13941-86
	4	TS50-3405218-B	1	Front cover
	5		2	Ring 045-050-30-1-4 GOST 18829-73/GOST 9833-73
	6	TS50-3405223-B	1	Piston
	7	TS50-3405222	1	Piston nut
	8		1	Piston seal 24 251797 L43 50-34 - 20,5* or Piston seal RSV0V0500-NCRO 50h34h20,5
	9		1	Ring 025-028-19-1-4 GOST 18829-73/GOST 9833-73
	10	TS50-3405228	1	Safety ring
	11		1	Rod packing 24 223269 T20 25-33-5,7* or Rod packing RU2000250-Z20 25h33h5,7
	12		1	Rod collar 24 004792 PU6 25-33,6- 6,5* or Wiper seal WNP000250-Z201 25h33,6h5,3
	13		1	Screw A.M8-6gh10.45N.40H.05 GOST 1476-93 or Screw A.M8-6gh10.45N.40H.05 GOST 8878-93
	4	TS50-3405224	1	Cap nut
	15	TS50-3405221-B	1	Rod
	16		1	Rod packing 24 223123 OMS-MR 25- 32,3-3* or Rod packing RSK100250- T46N 25h32,3h3,2
	17		2	Rod guide 24 226044 SB 25-28-5,5* or Rod guide GR25h28h5,5-S380

* Sealing elements are of the company Freudenberg, Germany



Left brake



Right brake

Fig. 35.1 "Wet" brakes

Group 35. Brakes
Subgroup 3502. "Wet" brakes

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
35.1		1522M-3502010	1	Brake (left) (2-24, 27)
		1221M-3502020-03	1	Brake (right)(7-19, 21-24, 26-28)
		85-3502030-01	2	Pressure discs (9, 10,12,13, 15, 18, 22-24)
	1	1221M-3502039-03	3	Bolt
		1221M-3502039-02	2	Bolt
	2	1522M-3502035	1	Housing
	3	70-4608019	1	Cover
	4		4	Bolt M8-6gh14.88.35.019 GOST 7796-70
	5		4	Washer 8T OST 37.001.115-75
	6	70-4608033	1	Gasket
	7	1522-3502015-07	16	Disc
	8	80M-3502037	12	Intermediate disc (S=3,0MM)
		80M-3502037-01*	*	Intermediate disc (S=3,2MM)
		80M-3502037-02*	*	Intermediate disc (S=3,4MM)
		80M-3502037-03*	*	Intermediate disc (S=3,6MM)
		80M-3502037-04*	*	Intermediate disc (S=3,8MM)
		80M-3502037-05*	*	Intermediate disc (S=4,0MM)
		80M-3502037-06*	*	Intermediate disc (S=4,2MM)
		80M-3502037-07*	*	Intermediate disc (S=4,4MM)
	9		2	Split pin 3,2h18.019 GOST 397-79
	10	85-3502196	4	Rod
	11	80M-3502204	2	Plate
	12		4	Nut M8-6N.6.019 GOST 5915-70
	13	50-3502198	4	Pin
	14	80M-3502202	2	Cover
	15	50-3502203	2	Yoke
	16		8	Screw V.M6-6gh10.58.019 GOST 17473-80
	17		8	Washer 6T OST 37.001.115-75
	18		2	Pin 12h32 OST 37.001.163-97
	19	1221M-3502051	2	Gasket
	20	1221M-2407059	1	Body cover
	21		2	Ring 115-120-30-2-2 GOST 18829-73/GOST9833-73
	22		10	Ball 22,225-100 GOST 3722-81
	23	77.38.163	6	Spring
	24	85-3502036-01	4	Pressure plate
	25	PK KG Z/8"	4	Plug
	26	1221M-2409035-01	1	Housing
	27		6	Screw V.M8-6gh25.58.019 GOST 17475-80
	28	1221M-2407059-01	1	Body cover
	29		5	Washer 14 OT OST 37.001.115-75
	30	1221-1802091	2	Threaded plug
	31	D18-055-A	2	O-Ring

* The last disc is chosen during assembly to achieve the required play

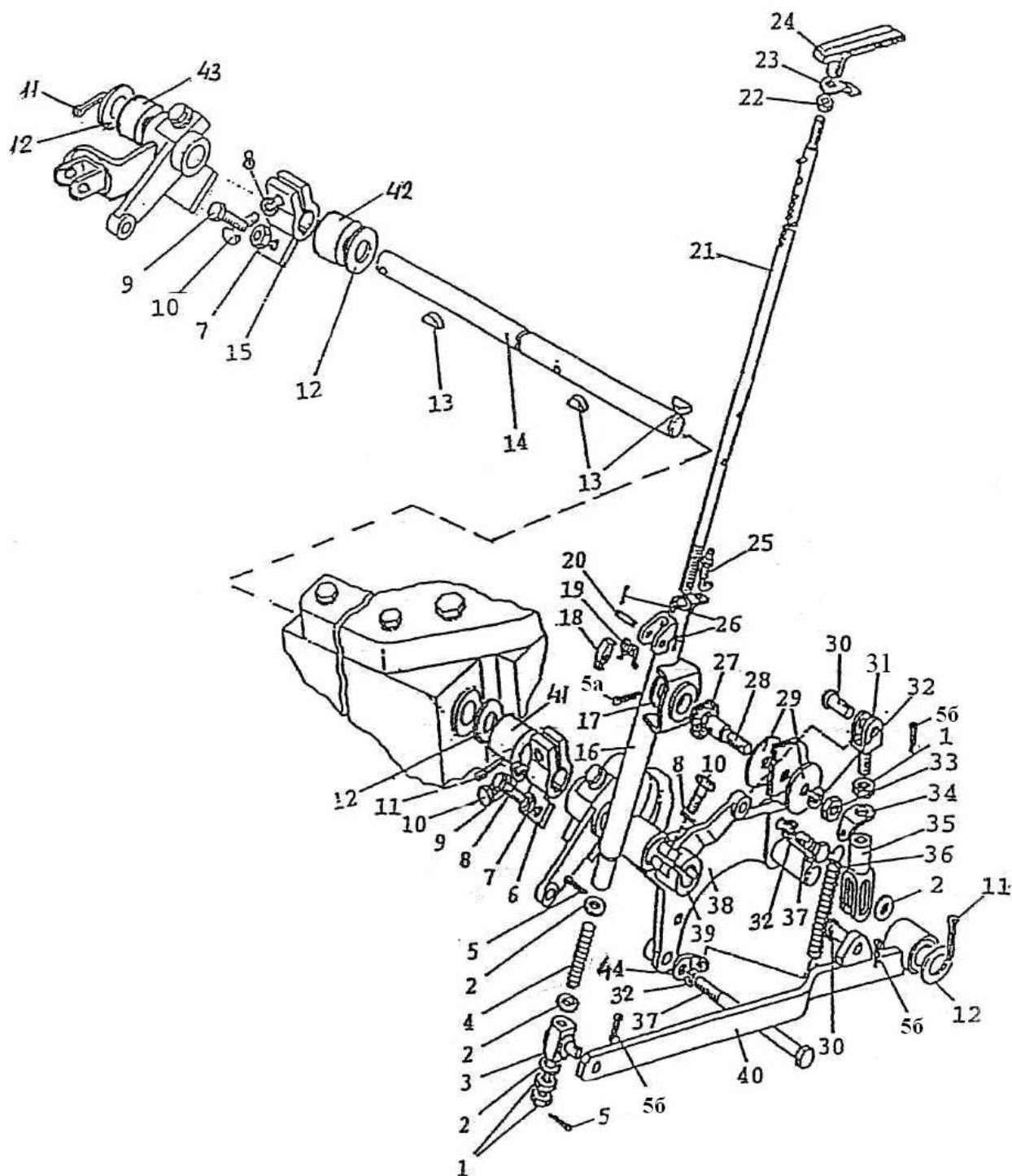


Fig. 35.2 Parking brake control

Group 35. Brakes
Subgroup 3507. Parking brake control

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
35.2		1522M-3507010	1	Brake control (1-24, 26-44)
		1522-3507020	1	Drafting mechanism (5, 16-24, 26-28)
		1522-3507160	1	Rod (1,31,34,35)
	1		3	Nut M12h1,25-6N.6.019 GOST 5915-70
	2		4	Washer S 12.01.019 GOST 11371-78
	3	1522-3507012	1	Joint eye
	4	77.55.230	1	Spring
	5		2	Split pin 4h25.019 GOST 397-79
	5a		1	Split pin 4h36.019 GOST 397-79
	5b		3	Split pin 3,2h18.019 GOST 397-79
	6	1522-3507050	1	Lever
	7		2	Nut M12-6N.6.019 GOST 5915-70
	8		3	Washer 12 OT OST 37.001.115-75
	9		2	Bolt M12-6gh40.88.35.019 GOST 7796-70
	10		3	Bolt M12-6gh35.88.35.019 GOST 7796-70
	11		3	Split pin 5h36.019 GOST 397-79
	12	50-3503071	5	Washer
	13	SSH-611	3	Key
	14	1522M-3503015	1	Shaft
	15	1522-3507045	1	Lever
	16	1522-3507030-A	1	Bracket
	17		1	Washer S 18.01.019 GOST 11371-78
	18	1522-3507022	1	Detent
	19	1522-3507024	1	Spring
	20	1522-3507029	1	Pin
	21	1522-3507025	1	Rod
	22	52-2203013	1	Nut
	23	1522-3507023	1	Limit stop
	24	1522-3507021-A	1	Handle
	25		1	Switch VK 409 TU 37.003.478-76
	26		2	Split pin 1,6h12.019 GOST 397-79
	27	1522-3507028	1	Bushing
	28	1522-3507038	1	Axle
	29	1522-3507013	2	Washer
	30		2	Pin 12h32 OST 37.001.163-97
	31	1021-3507161	1	Rod
	32		3	Washer 14 OT OST 37.001.115-75
	33		1	Nut M14h1,5-6N.6.019 GOST 5915-70
	34	80-1602116	1	Eye
	35	80V-3503551	1	Yoke
	36	80V-4616014-A	1	Spring

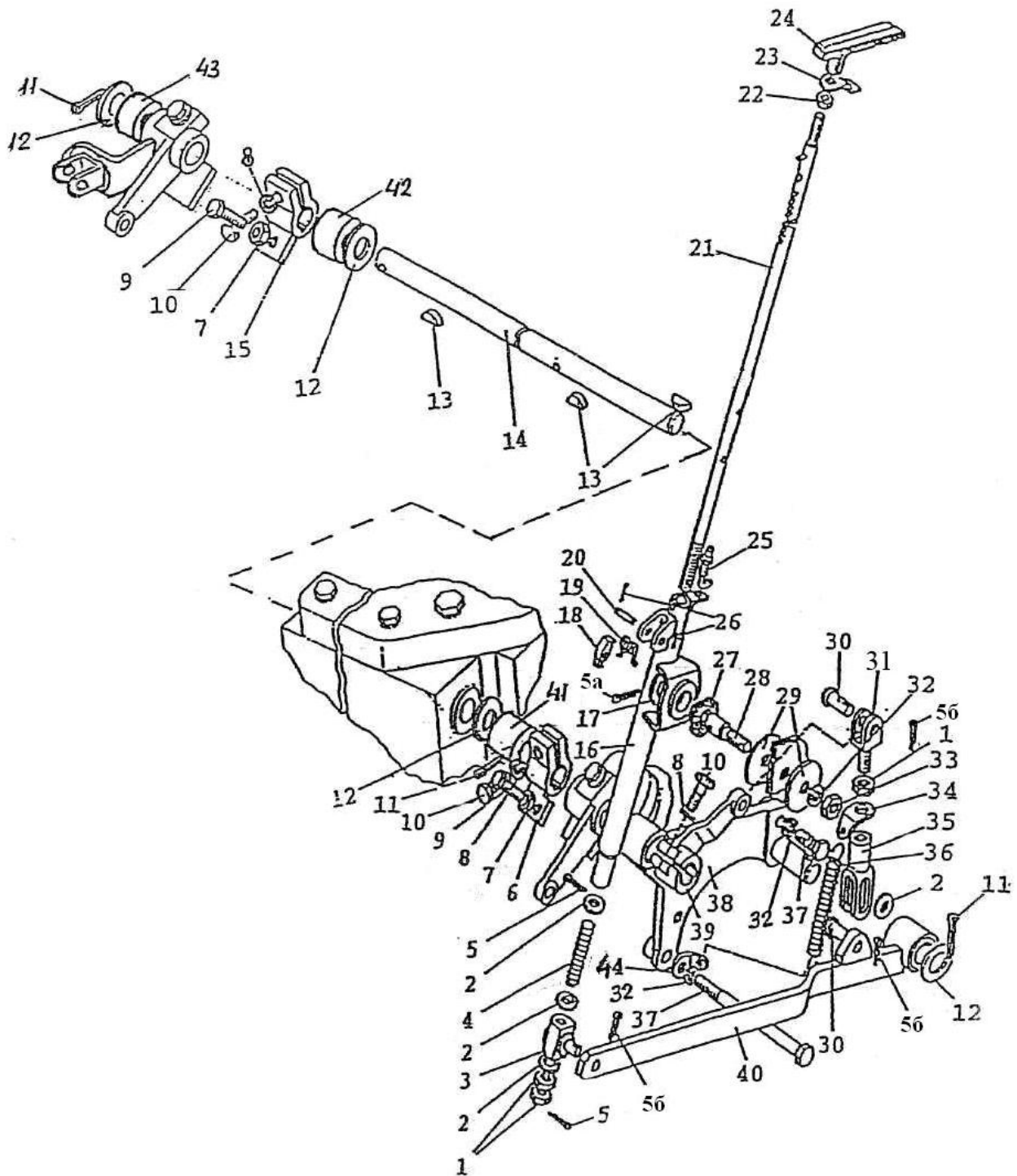


Fig. 35.2 Parking brake control

Group 35. Brakes
Subgroup 3507. Parking brake control

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
35.2	37	1221M-3502039-02	2	Bolt
	38	1522M-3507070	1	Bracket
	39	1522-3507060	1	Lever
	40	1522M-3507040	1	Lever
	41	1221M-3503016-02	1	Bushing.
	42	1221M-3503016-01	1	Bushing
	43	1221M-3503016	1	Bushing
	44	80-1602116-01	1	Eye

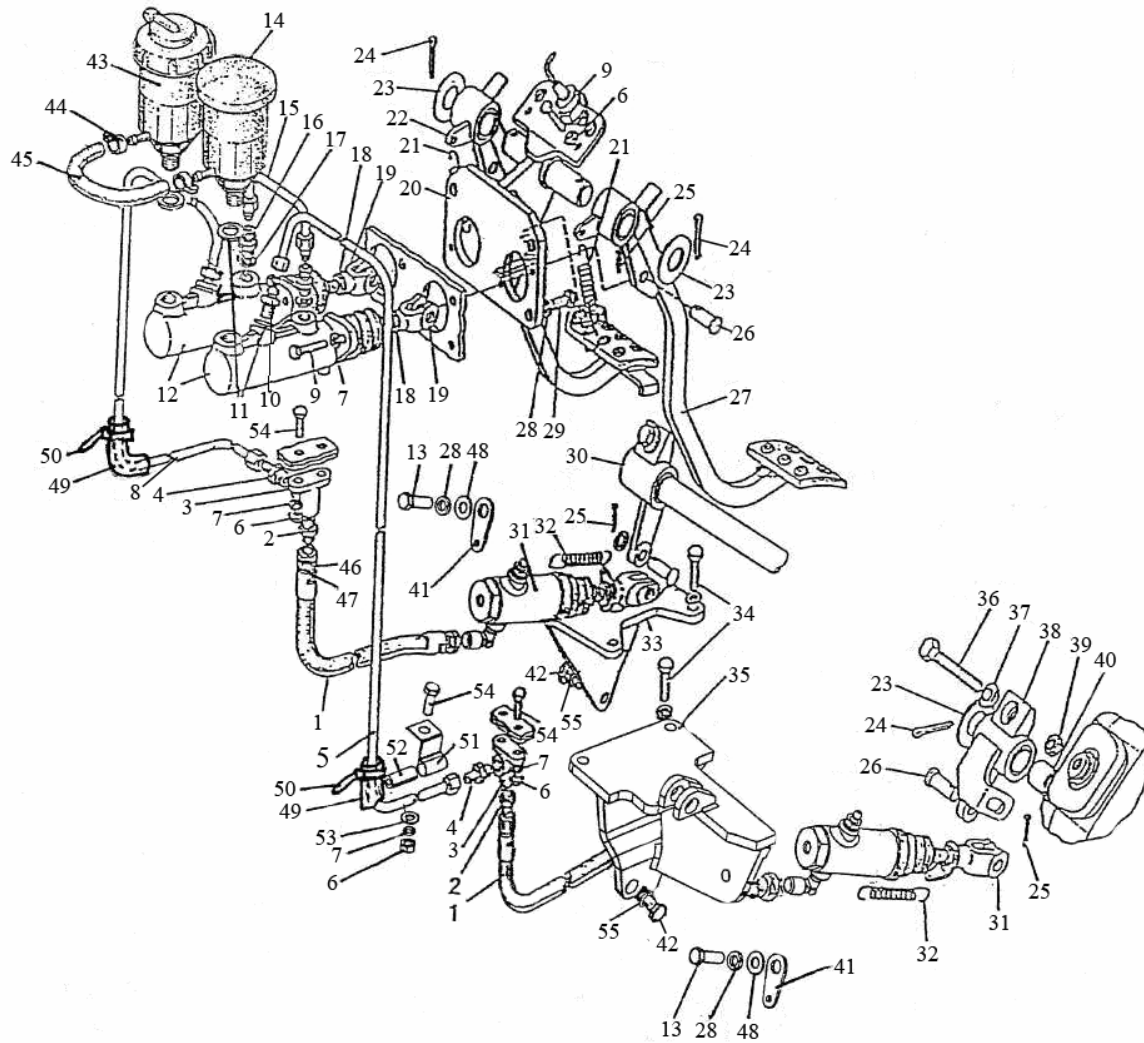


Fig. 35.3 Brake control

Group 35. Brakes
Subgroup 3503. Brake control

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
35.3		1523M-3503700	1	Brake control (1-55)
	1	923-3503200 or S 74 74 525	2 2	Flexible hose pipe of brakes, type I Flexible hose pipe of brakes TU RB 100023556.001-2005
	2	822-3503155	2	Fitting
	3	80V-1602106-B	2	Angle piece
	4	822-3503701	2	Fitting
	5	1522-3503070	1	Pipeline
	6		7	Nut M8-6N.6.019 GOST 5915-70
	7		9	Washer 8T OST 37.001.115-75
	8	1522-3503080	1	Pipeline
	9		6	Bolt M8-6gh35.88.35.019 GOST 7796-70
	10	822-3503083	2	Fitting
	11	D18-055A	4	Ring
	12	S73067386	2	Main cylinder"CARLISLE"
	13		2	Bolt M10-6gh30.88.35.019 GOST 7796-70
	14	822-3503090	2	Tank
	15	822-3503100	1	Pipeline
	16	822-3503084	2	Fitting
	17	36-1104788	2	Gasket
	18		2	Nut M10-6N.6.019 GOST 5915-70
	19	822-3502203	2	Yoke
	20	923-3503720	1	Bracket
	21	70-4616033 Zam.	2	Spring
	22	923-3503730	1	Right pedal
	23	50-3503071	2	Washer
	24		5	Split pin 5h36.019 GOST 397-79
	25		4	Split pin 3,2h18.019 GOST 397-79
	26		4	Pin 12h32 OST 37.001.163-97
	27	923-3503740	1	Left pedal
	28		9	Washer 10 OT OST 37.001.115-75
	29		3	Bolt M10-6gh25.88.35.019 GOST 7796-70
	30	1523M-3503045	1	Right lever
	31	822-1602550-B or 2022-3503550	2	Working cylinder
	32	50-1310158-B	2	Spring
	33	1523M-3503040-B	1	Right bracket
	34		4	Bolt M10-6gh40.88.35.019 GOST 7796-70
	35	1523M-3503030-G	1	Left bracket
	36	70-3503019	2	Bolt
	37	70-3503018	2	Washer
	38	1523M-3503025	1	Left lever
	39		2	Nut M12h1,25-6N.04.019 GOST 5916-70
	40	1523M-3503015	1	Shaft
	41	923-1602116	2	Eye
	42		2	Bolt M12-6gh40.88.35.019 GOST 7796-70
	43	822-3503090-01	1	Tank
	44		2	Clamp/Clamp NORMA TORRO 12-22/971 or Clamp "NORMA" TORRO 12-20/9-C6W

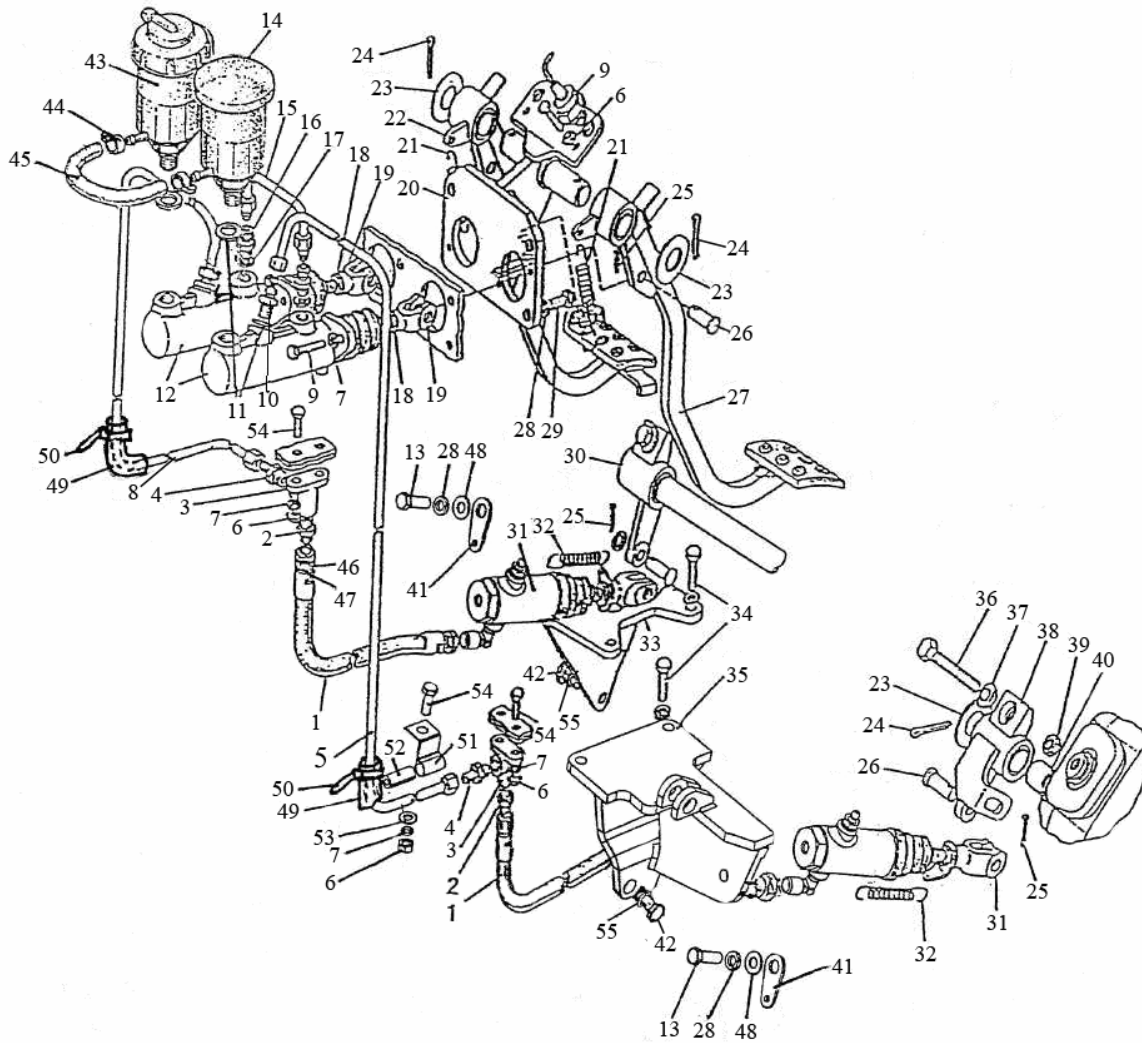


Fig. 35.3 Brake control

Group 35. Brakes
Subgroup 3503. Brake control

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
35.3	45	822-3503098	1	Hose
	46	923-3503221	4	Nipple
	47	D80-4607212	4	Nut
	48		2	Washer S 10.01.019 GOST 6958-78
	49	1522-3503703	2	Pipe
	50	80-3723045	3	Collar
	51	48-1104016	1	Clamp
	52	1522-2407317	1	Pipe
	53		1	Washer S 8.01.019 GOST 6958-78
	54		5	Bolt M8-6gh25.88.35.019 GOST 7796-70
	55		2	Washer 12 OT OST 37.001.115-75

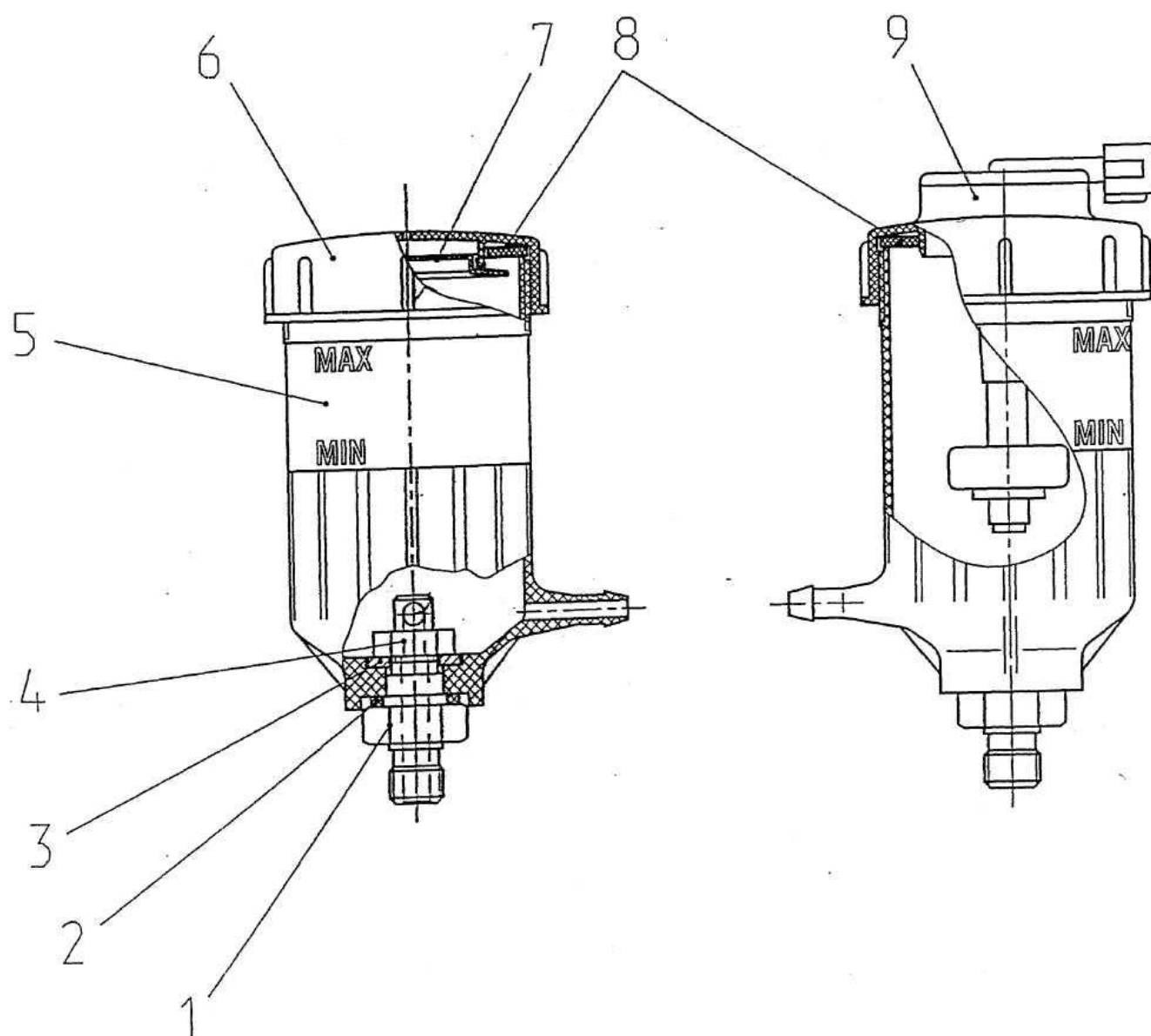


Fig. 35.4 Brake fluid tanks

Group 35. Brakes
Subgroup 3503. Brake fluid tanks

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
35.4		822-3503090	1	Tank (1-8)
		822-3503090-01	1	Tank (1-5,8,9)
	1	822-1602126	2	Fitting
	2	822-1602127	2	Ring
	3		2	Washer S 12.01.08KP.019 GOST 11371-78
	4		2	Nut M12h1,25-6N.04.019 GOST 5916-70
	5	822-3503092	2	Housing
	6	822-1602125	1	Cover
	7	822-1602123	1	Disc
	8	822-1602124	2	Gasket
	9	AR23.3839 or	1	Level sensor TU.AR.3839.001-01
		RD8126.3839	1	Level sensor TU BY 300125187.262-2009

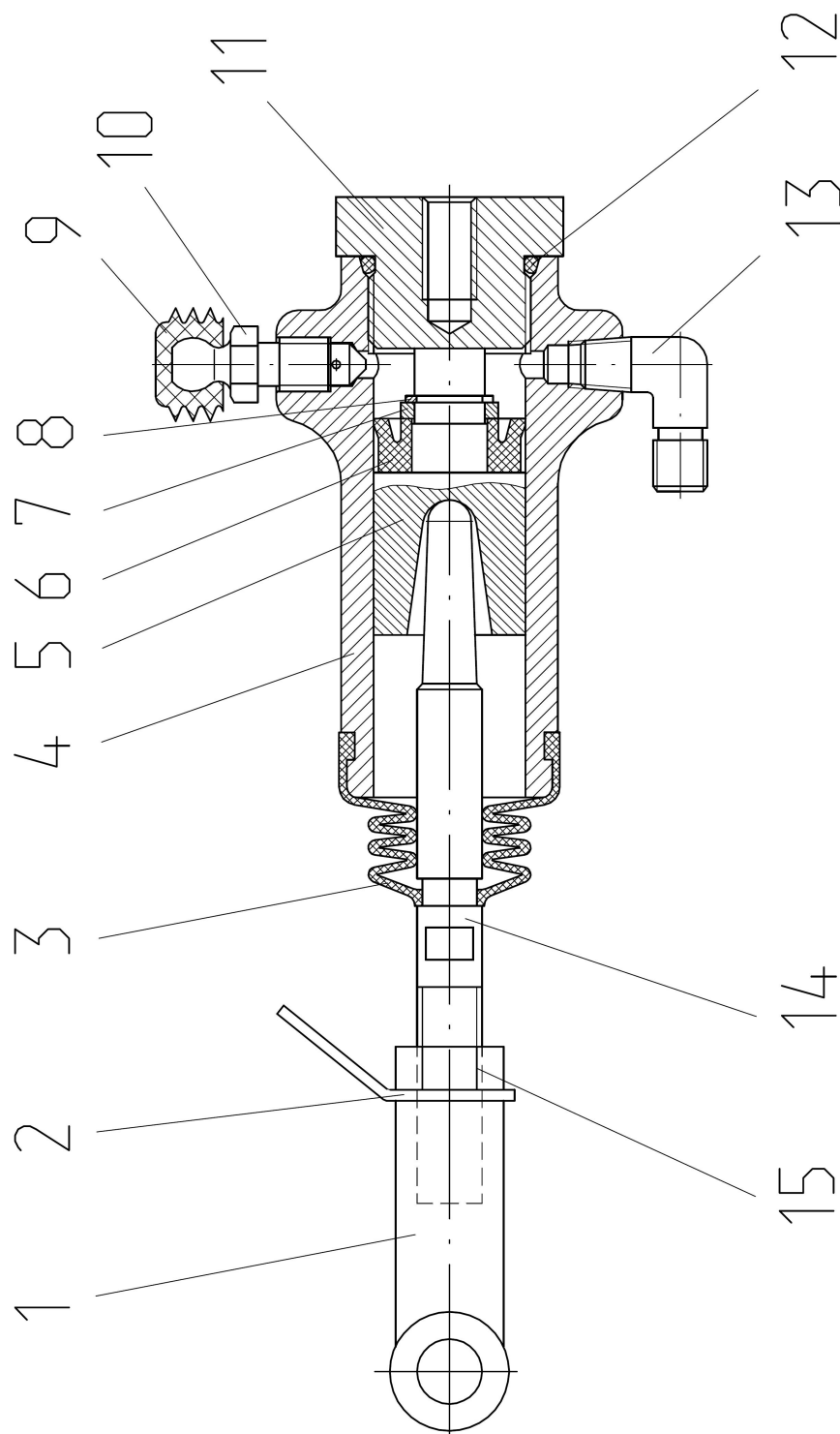


Fig. 35.5 Working cylinder

Group 35. Brakes
Subgroup 3503. Working cylinder

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
35.5		822-1602550-B	1	Working cylinder (1-15)
	1	50-3502203	1	Yoke
	2	80-1602116	1	Eye
	3	142-1602569	1	Cover
	4	1221V-1602551	1	Housing
	5	822-1602556-B	1	Piston
	6		1	Collar N14-102 (14h28h10) Simrit 85 EPDMV MOO 282
	7	1221V-1602517-B	1	Distance sleeve
	8		1	Ring S13 GOST 13940-86
	9	142-1602377	1	Cap
	10	142-1602371	1	Valve
	11	1221V-1602561	1	Cover
	12	OR EPOM 70 02700250	1	Rubber sealing ring
	13	822-3503037	1	Screw-in angle piece
	14	822-1602112	1	Rod
	15		1	Nut M12h1,25-6N.04.019 GOST 5916-70

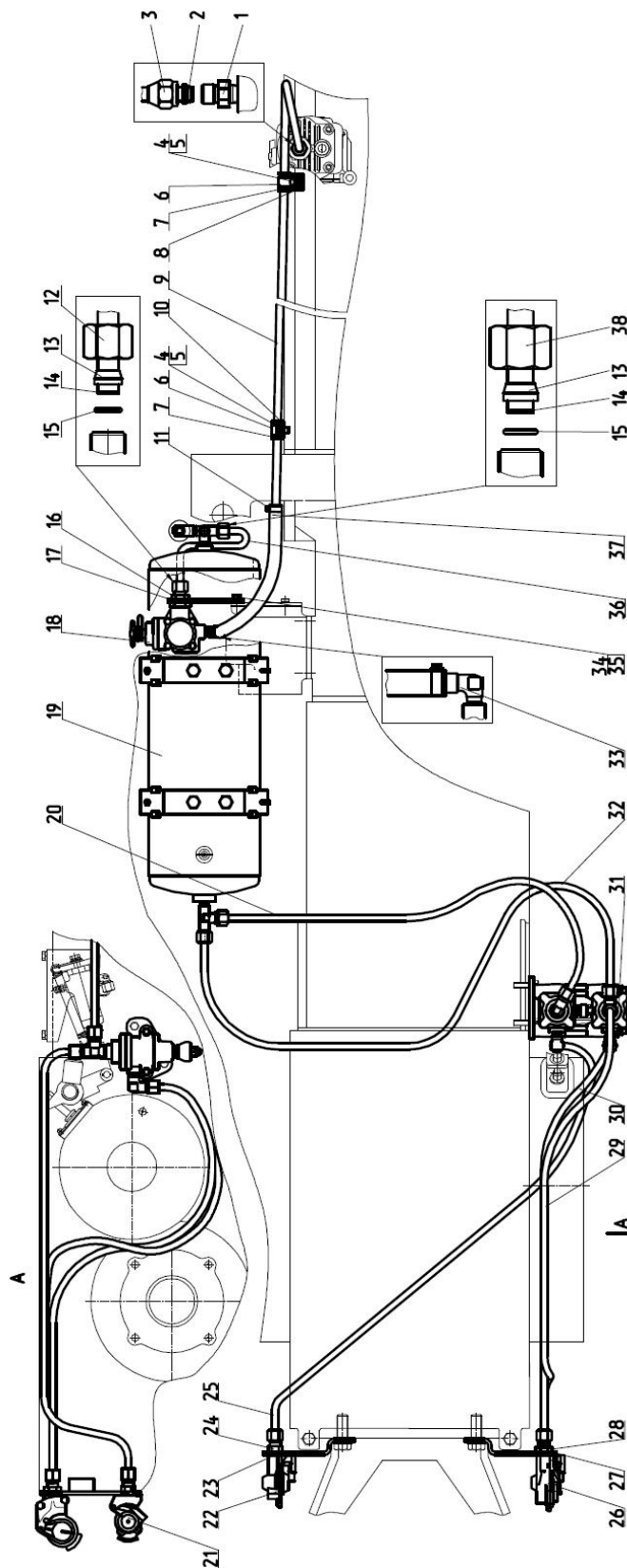


Fig. 35.6 Pneumatic drive (combined)

Group 35.Brakes
Subgroup 3506. Pneumatic drive (combined)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
35.6		1523.4-3506705	1	Pneumatic drive (1-38)
		1523.4-3506010	1	Pipeline (2, 3, 9)
		1522M-3506050	1	Pipeline (13, 14, 20, 38)
		1021-3506020-03	1	Pipeline (13, 14, 25, 38)
		1522M-3506040	1	Pipeline (13, 14, 29, 38)
		1025-3506560-01	1	Pipeline (13, 14, 30, 38)
		2022D-3506020	1	Pipeline (13, 14, 32, 38)
		1522-3506020	1	Pipeline (12, 13, 14, 36, 38)
	1	70-3506022	1	Fitting
	2	80-3506024	1	Clutch
	3	70-3506023	1	Cap nut
	4		2	Bolt M10-6gh16.88.35.019 GOST 7796-70
	5		2	Washer 10 OT OST 37.001.115-75
	6	1321-8700031	2	Clamp
	7	70-3506027	2	Bushing
	8	1523.4-3506012	1	Plank
	9	1523.4-3506011	1	Pipe
	10	1221M-3506012	1	Strip
	11		2	Clamp with worm thread 16-27
	12	1522-3506026	1	Cap nut
	13	1522-3506024	12	Clutch
	14	1522-3506022	12	Nipple
	15		12	Ring 012-015-19-2-4 GOST 18829-73/GOST 9833-73
	16	80-3512006	1	Locknut
	17	1522-3512012	1	Bracket
	18	A29.51.000 B or 80-3512010 or 11.3512010-30	1	Pressure regulator
	19	1522-3513505	1	Tank (Fig.35.7)
	20	1522M-3506051	1	Pipe
	21	64226-3521110 or 11.3521410-20	1	Automatic coupling head
	22	64226-3521111 or 11.3521411-20	1	Automatic coupling head
	23	1522-3521512	1	Bracket
	24	1522-3521513	2	Fitting
	25	1021-3506021-03	1	Pipe
	26	A29.76.000 or 80-3521010 or 12.3521010-01	1	Coupling head
	27	2022D-3521711	1	Bracket
	28	1522-3521012	1	Fitting
	29	1522M-3506041	1	Pipe
	30	1025-3506561-01	1	Pipe
	31	1523-3514705-01	1	Brake valve (Fig.35.8)
	32	2022D-3506021	1	Pipe

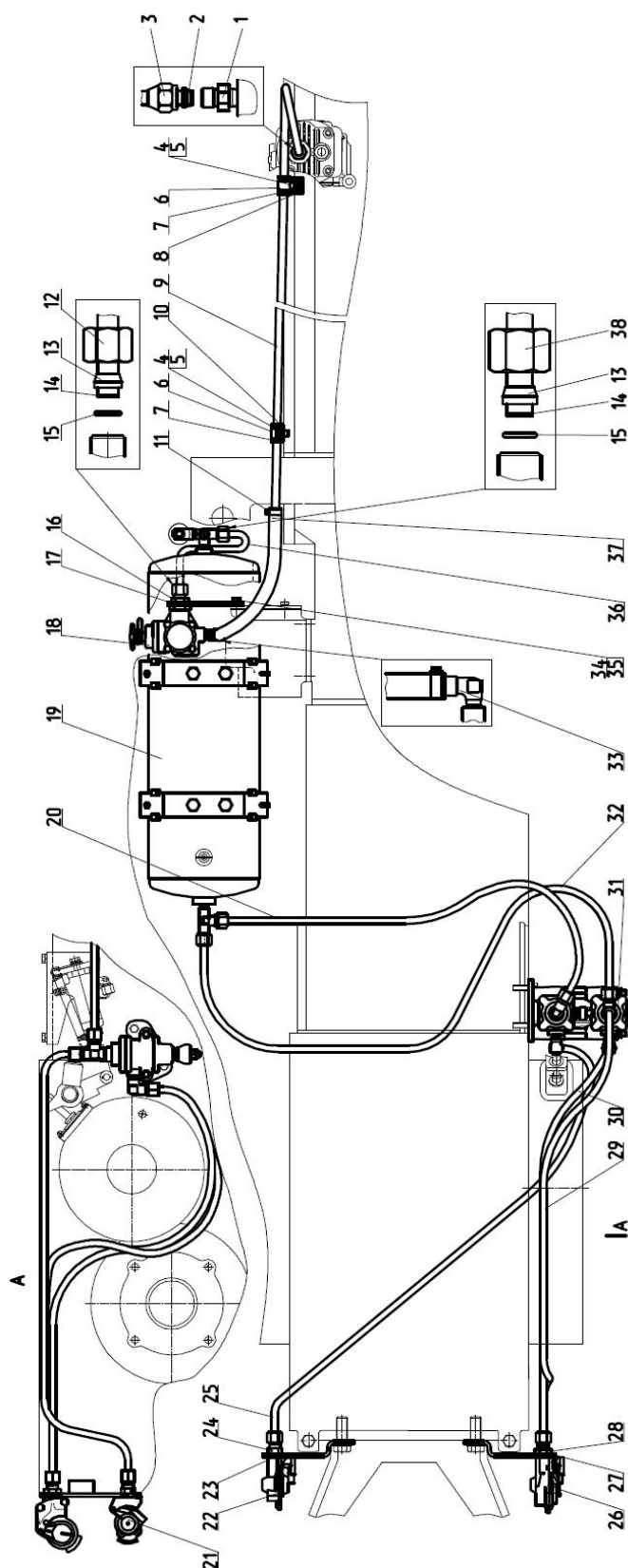


Fig. 35.6 Pneumatic drive (combined)

Group 35.Brakes
Subgroup 3506. Pneumatic drive (combined)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
35.6	33	70-3513015	1	Angle piece
	34		2	Bolt M8-6gh30.88.35.019 GOST 7796-70
	35		2	Washer 8T OST 37.001.115-75
	36	1522-3506021	1	Pipe
	37	1523.4-3506014	1	Hose
	38	1522-3506023	11	Cap nut

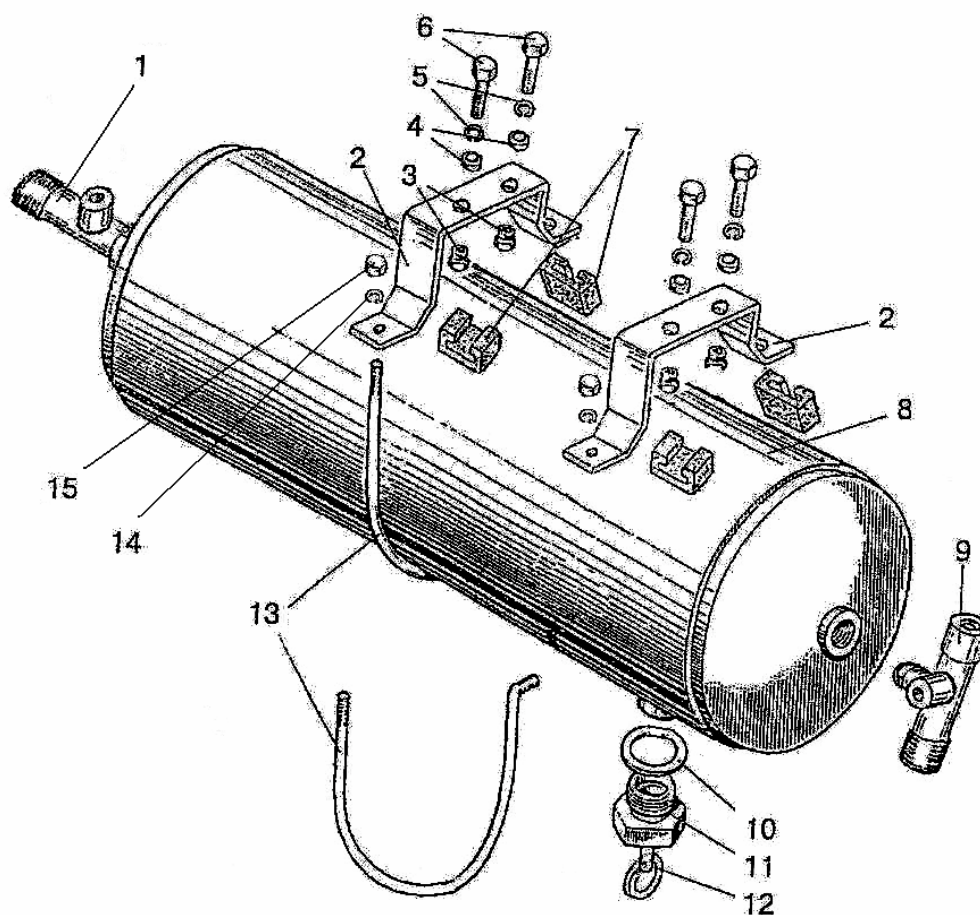


Fig. 35.7 Tank

Group 35.Brakes
Subgroup 3513. Tank

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
35.7		1522-3513505	1	Tank (1-15)
	1	1522-3513551	1	T-piece
	2	B50-3513025-A	2	Bracket
	3	1522-3513011	4	Nut
	4	1522-3513012	4	Bushing
	5		4	Washer 10 OT OST 37.001.115-75
	6		4	Bolt M10-6gh45.88.35.019 GOST 7795-70
	7	PR-43-01	4	Sealant
	8	50-3513015-A	1	Tank
	9	1522-3513015	1	Cross
	10	4600.21	1	Washer RM22
	11	85-3513110	1	Valve
	12	N50-4202146	1	Ring
	13	V50-3513032	2	Clamp
	14		2	Washer 6 T OST 37.001.115-75
	15		2	Nut M6-6N.6.019 GOST 5915-70

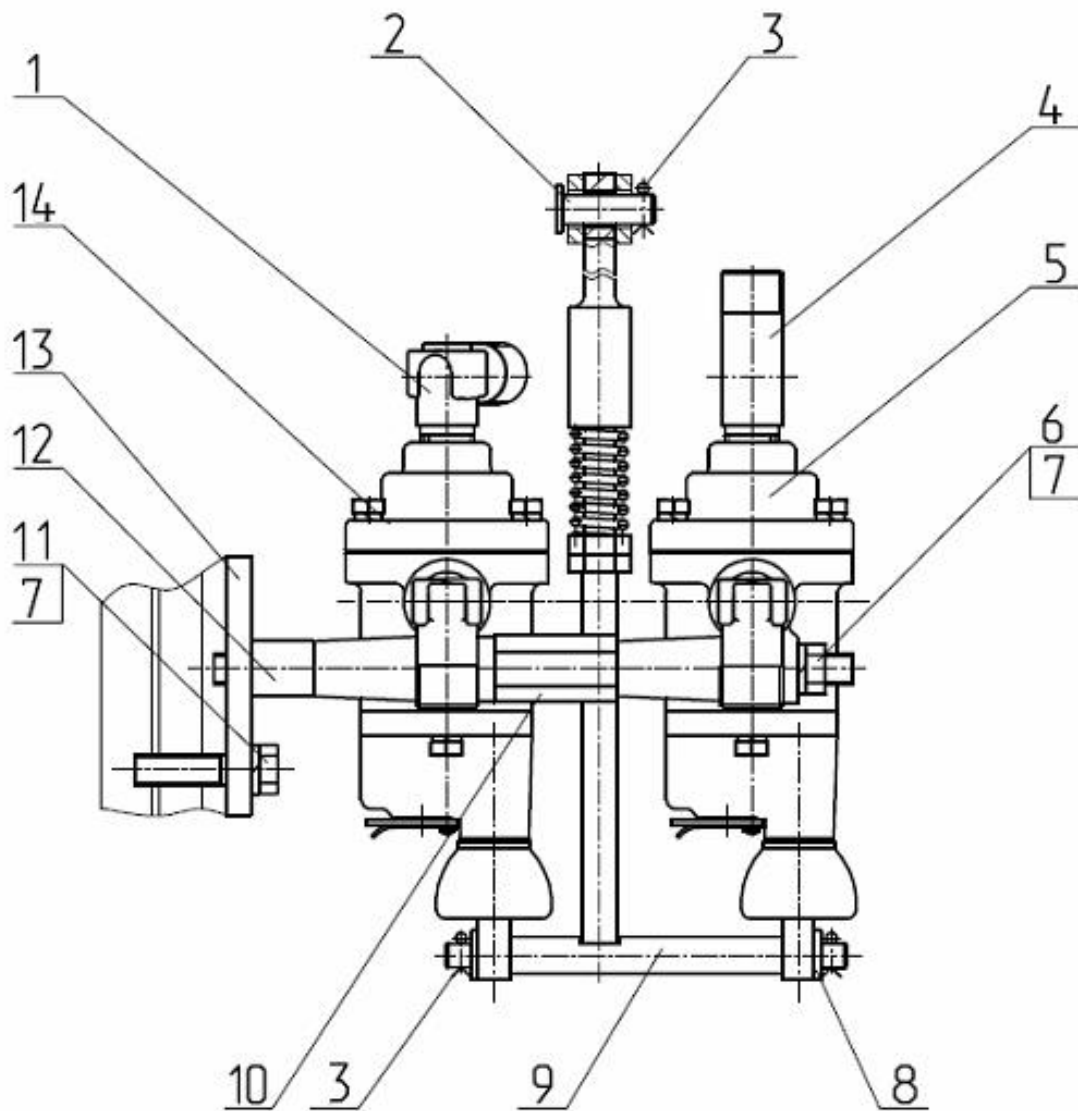


Fig. 35.8 Brake valve

**Group 35.Brakes
Subgroup 3514. Brake valve**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
35.8		1523-3514705	1	Brake valve (1-14)
	1	1522-3514033	3	Angle piece
	2		1	Pin 12h32 OST 37.001.163-97
	3		3	Split pin 3,2h18.019 GOST 397-79
	4	1522-3513551	1	T-piece
	5	80-3514010 or A29.3514010	1	Brake valve
	6		2	Nut M10-6N.6.019 GOST 5915-70
	7		3	Washer 10 OT OST 37.001.115-75
	8		2	Washer S.8.01.019 GOST 11371-78
	9	1523-3514730	1	Rod
	10	1523-3514714	2	Stud
	11		1	Bolt M10-6gh40.88.35.019 GOST 7796-70
	12	1522M-3514013	2	Boss
	13	1522M-3514012	1	Plate
	14	80-3514010-02 or A29.351.4010-02	1	Brake valve

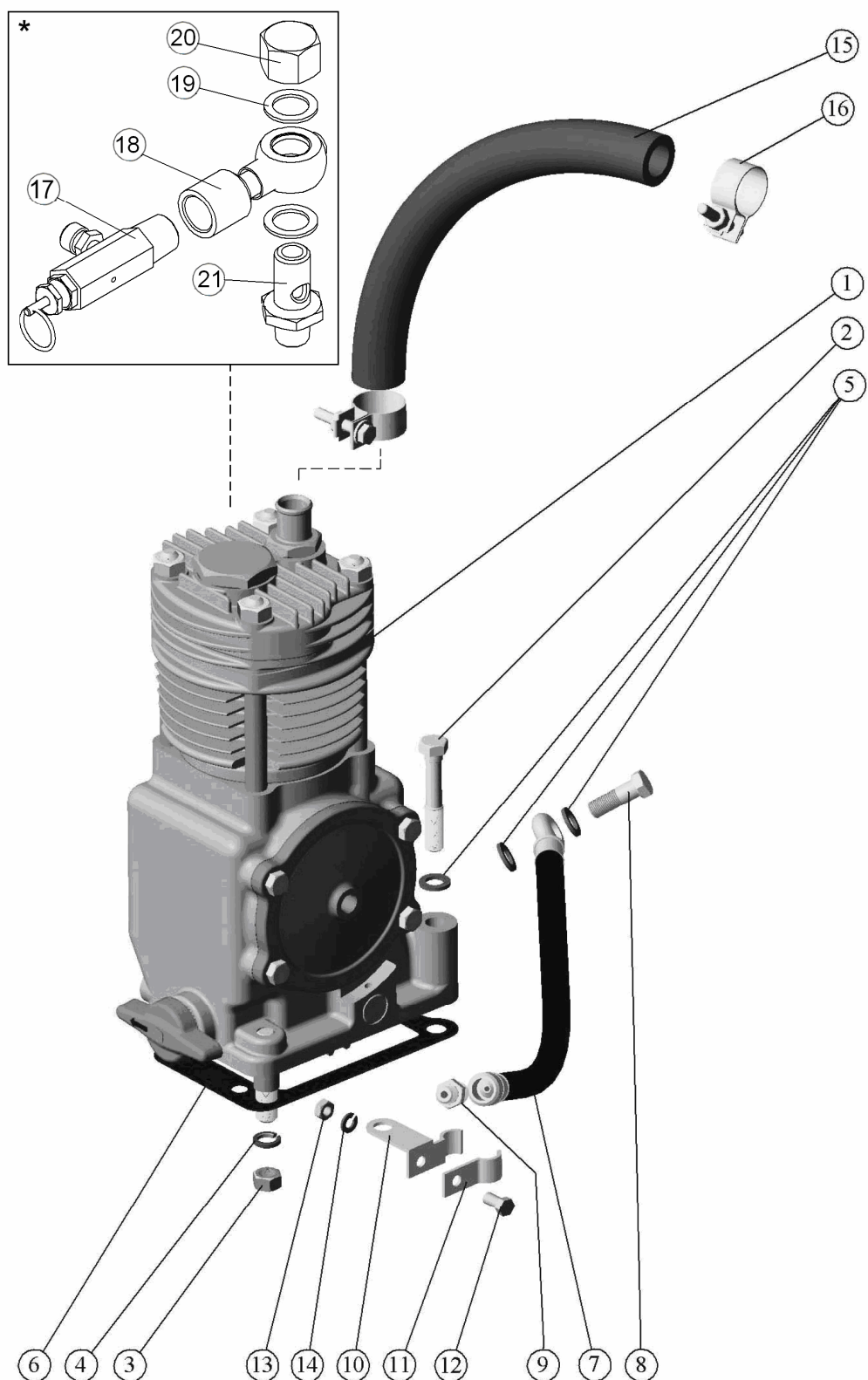


Fig. 35.9 Compressor

Group 35. Brakes
Subgroup 3509. Compressor

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
35.9		240-3509030-A	1	Pneumatic compressor assy
	1	A29.05.000-BZA	1	Pneumatic compressor
	2		1	Bolt M10-6gh45.88.35.019 GOST 7795-70
	3		3	Nut M10-6N.6.019 GOST 5915-70
	4		3	Washer 10.65G.06 GOST 6402-70
	5	36-1104788	3	Gasket
	6	240-3509037-A	1	Gasket
	7	240-3509150	1	Oil pipeline (L=352mm)
	8	36-1104787	1	Fitting bolt
	9	240-3509232	1	Fitting
	10	240-3509158	1	Clamp
	11	240-3509159	1	Clip
	12		1	Bolt M6-6gh16.88.35.019 GOST 7798-70
	13		1	Nut M6-6N.6.019 GOST 5915-70
	14		1	Washer 6.65G.019 GOST 6402-70
	15	RD 18-29-300-1,3	1	Hose pipe
	16	HS-26	2	Clamp
	17	80-3509010*	1	Valve
	18	920-3509020*	1	Angle piece
	19	40-4607038-A*	2	Washer
	20	1025-3506623 *	1	Nut
	21	1025-3506622 *	1	Fitting

* Valve for tires pumping is mounted if there is no pneumatic drive.

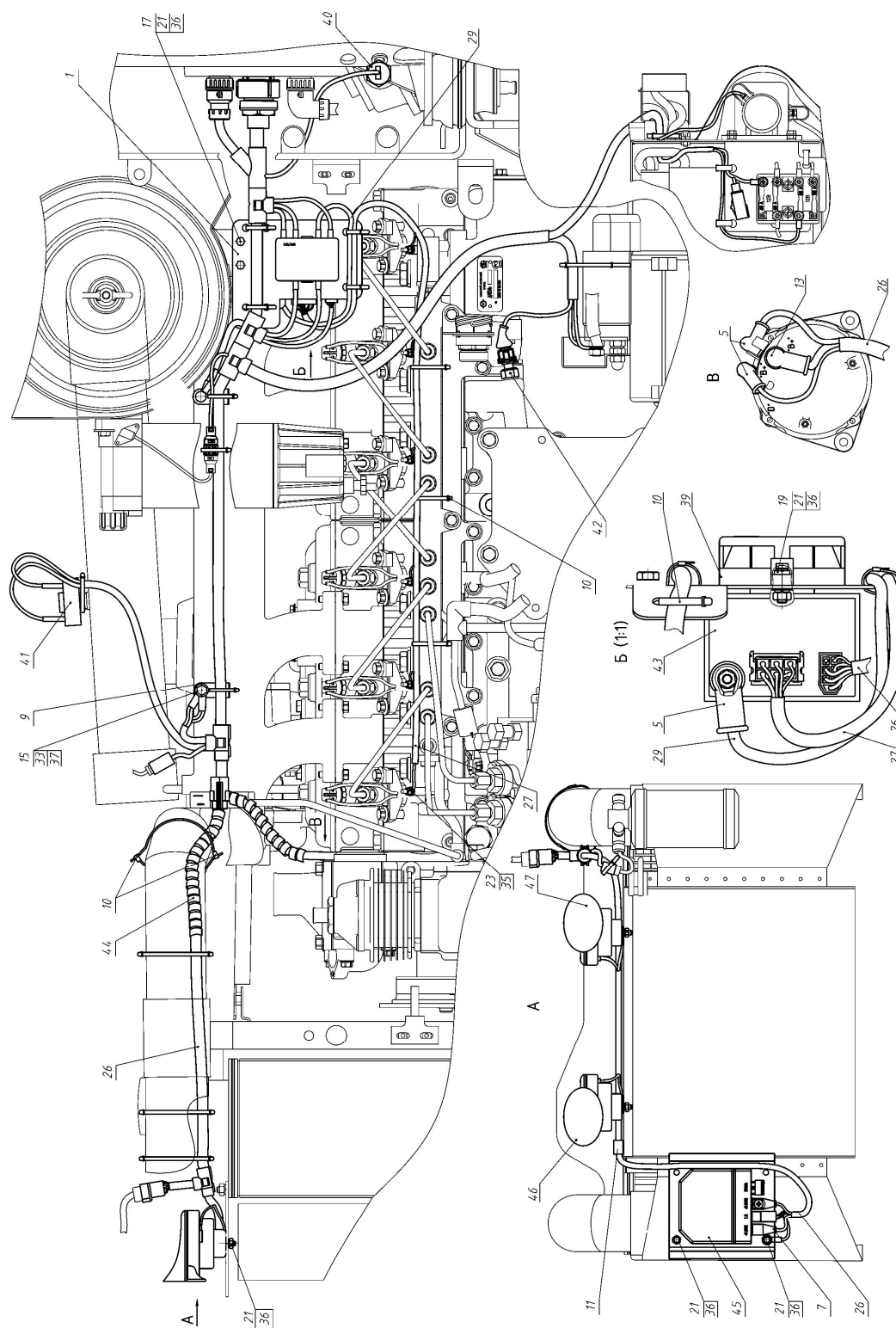
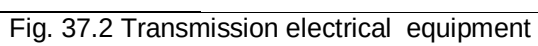


Fig. 37.1 Engine electrical equipment

**Group 37. Electrical equipment
Subgroup 3700. Engine electrical equipment**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
37.1		1523.5-3700030	1	Engine electrical equipment
	1	1523.5-3722001	1	Bracket
	5	54.24.445-B	3	Tip
	7	70-3723035	2	Tip
	9	80-3723016	2	Bracket
	10	80-3723045-01	25	Collar
	11	822-3723001	1	Clip
	13	TM-59-6000-38	1	Rubber tip
	15		1	Bolt M8-6gh16.88.35.019 GOST 7796-70
	17		2	Bolt M6-6gh16.88.35.019 GOST 7798-70
	19		2	Screw V.M6-6gh20.58.019 GOST 17473-80
	21		8	Nut M6-6N.6.019 GOST 5915-70
	23		6	Nut M5-6N.6.019 GOST 5927-70
	26		1	Bundled cable 1523.5-3724360 GOST 23544-84
	27		1	Bundled cable 1221-3724380-B GOST 23544-84
	29		1	Cable 1222.4-3724045-B GOST 23544-84
	33		1	Washer S.8.01.019 GOST 11371-78
	35		6	Washer 5 T OST 37.001.115-75
	36		8	Washer 6 T OST 37.001.115-75
	37		1	Washer 8T OST 37.001.115-75
	39		1	Fuse block BP-11-07 TU RB 03428193.095-97
	40		1	Sensor DADM-03 TU RB 07513211.004-94 or Emergency pressure sensor MM111D-3810600-01 TU 37.003.546-76
	41		1	Sensor DSF-65 TU RB 07513211.003-94
	42		1	Temperature sensor 233.3828 TU 37.459.259-00
	43		1	Heating plug controllers (6 plugs)
	44		2	Spiral band B 20h16h20 black TU BY500525429.006-2009
	45		1	Voltage converter PN 14/28 V 8 A TU BY 300044189.055-2007 or Voltage converter 191.3759-02 TU 84.214.008-04*
	46		1	Signal S-308 TU 37.003.1063-81
	47		1	Signal S-309 TU 37.003.1063-81

* For far abroad countries



Group 37 Electrical equipment
Subgroup 3700. Transmission electrical equipment

Fig.	Pos.No	Assembly unit or part number	Q-ty		Description
37.2 37.3			$U_{M.Z.}=23,43$	$U_{M.Z.}=23,43$	
		1222-3700040-B	1		Transmission electrical equipment
		1222-3700040-B-01	1		Transmission electrical equipment
	1	2022-3723011	2	2	Bracket
	2	822-3723001	2	2	Clip
	3	80-3723045-01	25	25	Collar
	4	80-3843001-01	14	16	Gasket
	5	1522-3843002	-	2	Gasket
	6	85-1702051	1	-	Washer
	7	D18-055-A-01	1	-	O-Ring
	8		4	-	Bolt M8-6gh25.88.35.019 GOST 7796-70
	9		2	6	Bolt M8-6gh30.88.35.019 GOST 7796-70
	10		1	1	Washer S.10.01.019 GOST 11371-78
	11		1	1	Washer S.14.01.019 GOST 11371-78
	12		1	1	Washer S.20.01.019 GOST 11371-78
	13	1223-3724315-G	1	1	Transmission bundled cable
	14		6	6	Washer 8T OST 37.001.115-75
	15	3829.20	1	1	Pressure sensor DD-10-01M TU RB 600417525.009-2000 or Pressure sensor FCCO10 TU 236.915.048-06
	16	3829.25	1	-	Sensor DADV TU RB 07513211.004-94 or Sensor MM124D-3810600 TU 37.003.546-76
	17	3829.30	1	-	Pressure sensor DD-20M TU RB 600417525.009-2000 or Pressure sensor FCCO20 TU 236.915.048-06
	18	3843.15	3	3	Sensor RM71.3843-02 TU BY 190245592.001-2006 "OOO, "AUTOMASHPRIBOR", Minsk City or Speed sensor AR71.3843-02 TU AR 3843.002-00 or Speed sensor 453843.001 TU BY 100346861.072-2009 or Speed sensor DSHO-01.3843 TU VY 300044189.120-2010 or Sensor RM71.3843-02M TU VY 100179439.004-2011 "NPCHUP YASMA, Minsk City

Note $U_{M.Z.}$ - rear axle ratio depending on drive gear

Gear 1221-2407122 $U_{M.Z.}=23,43$ (1222-3700040-B)

Gear 1522-2407122 $U_{M.Z.}=23,43$ (1222-3700040-B-01)

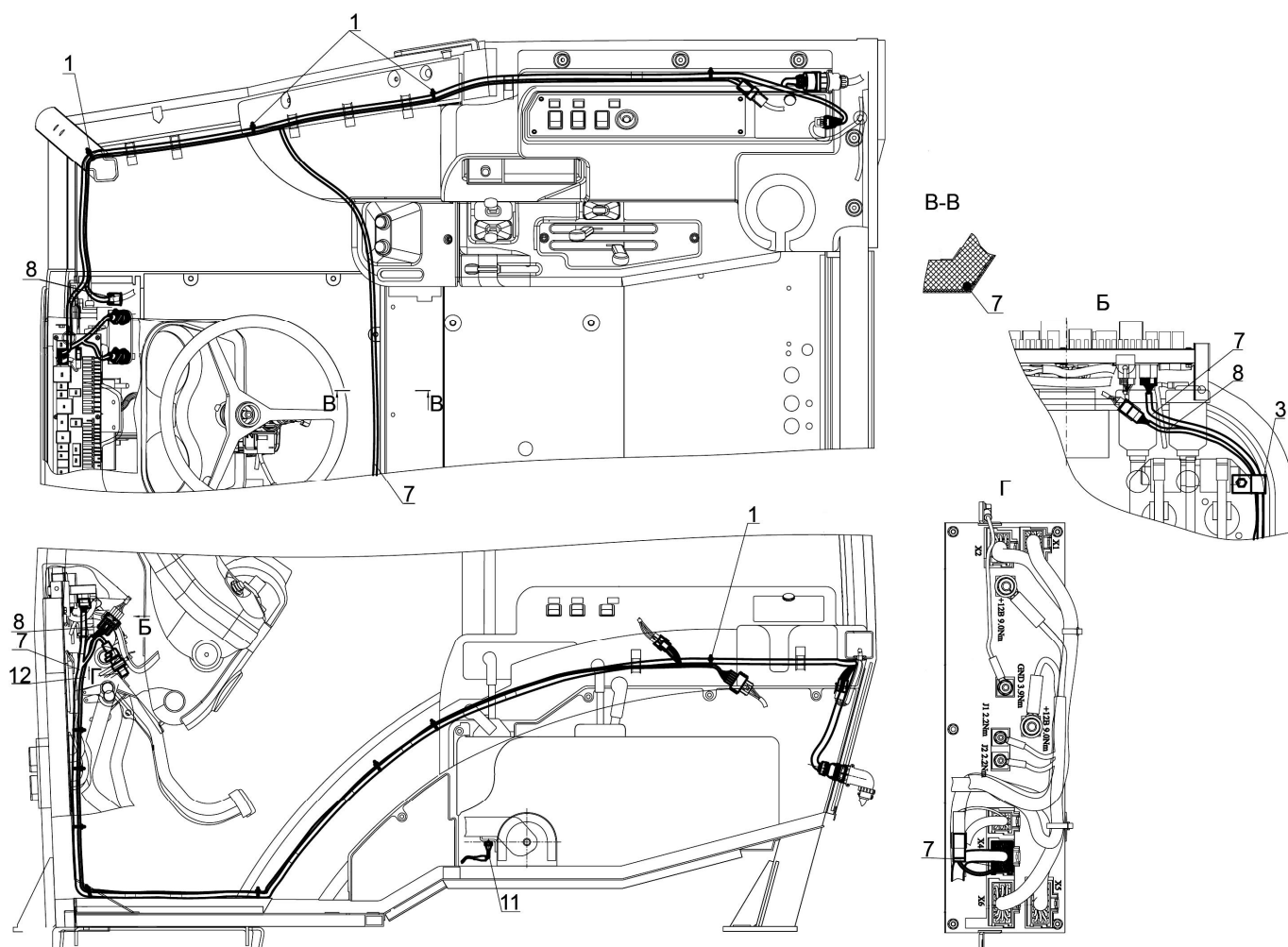


Fig. 37.4 Cab electrical equipment

Group 37. Electrical equipment
Subgroup 3700. Cab electrical equipment

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
37.4		925-3700050	1	Cab electrical equipment
	1	80-3723045	8	Collar
	3	70-1115012-03	1	Clamp
	7		1	Bundled cable 925-3724100 GOST 23544-84
	8		1	Bundled cable 3022-3724270-V GOST 23544-84
	12	3720.10	2	Brake signal switch

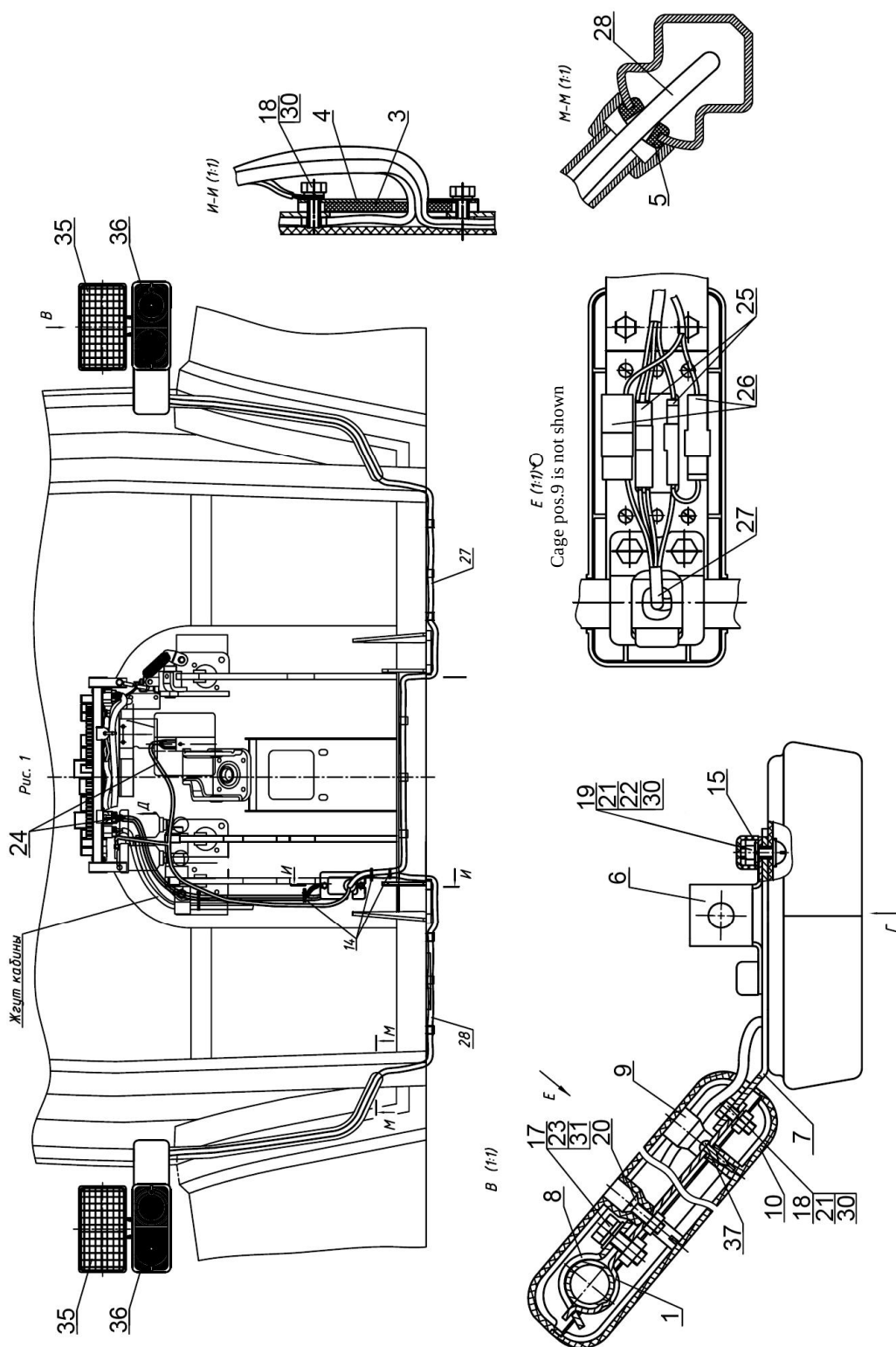


Fig. 37.5 Front lamps assembly

Group 37. Electrical equipment
Subgroup 3700. Front lamps assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
37.5		925-3700025	1	Front lamps assembly
	1	920-3712010	2	Bracket
	3	923-3712016	1	Gasket
	4	923-3712017	1	Bracket
	5	923-3723042	2	Bushing
	6	920-3711011	2	Bracket
	7	920-3712012	2	Bracket
	8	920-3712013	2	Clip
	9	920-3712021	2	Casing
	10	920-3712022	2	Casing
	14	80-3723045	3	Collar
	15	A30.04.017	4	Cap
	17		4	Bolt M8-6gh16.88.35.019 GOST 7796-70
	18		6	Bolt M6-6gh18.88.35.019 GOST 7798-70
	19		4	Screw V.M6-6gh25.58.019 GOST 17473-80
	20		4	Screw V.M6-6gh18.58.019 GOST 17475-80
	21		8	Nut M6-6N.6.019 GOST 5915-70
	22		4	Washer S.6.01.019 GOST 11371-78
	23		4	Washer S.8.01 GOST 11371-78
	24		1	Bundled cable 925-3724130 GOST 23544-84
	25		2	Bundled cable 923-3724140-B GOST 23544-84
	26		2	Bundled cable 923-3724142 GOST 23544-84
	27		1	Bundled cable 925-3724145 GOST 23544-84
	28		1	Bundled cable 925-3724146 GOST 23544-84
	30		10	Washer 6 T OST 37.001.115-75
	31		4	Washer 8T OST 37.001.115-75
	35		2	Working light 112.07.54-18 TU BY 600124825.055-2009 or Working light RAUS 14.3711-18 TU RB 28927023.003-98
	36		2	Front lamp 3713.3712 TU RB 05882559.010-95 or Front lamp 2302.3.04.12 TU U 3.04.00232489.003-96
	37		8	Screw 4h16.019 TU BY 400024166.016-2009

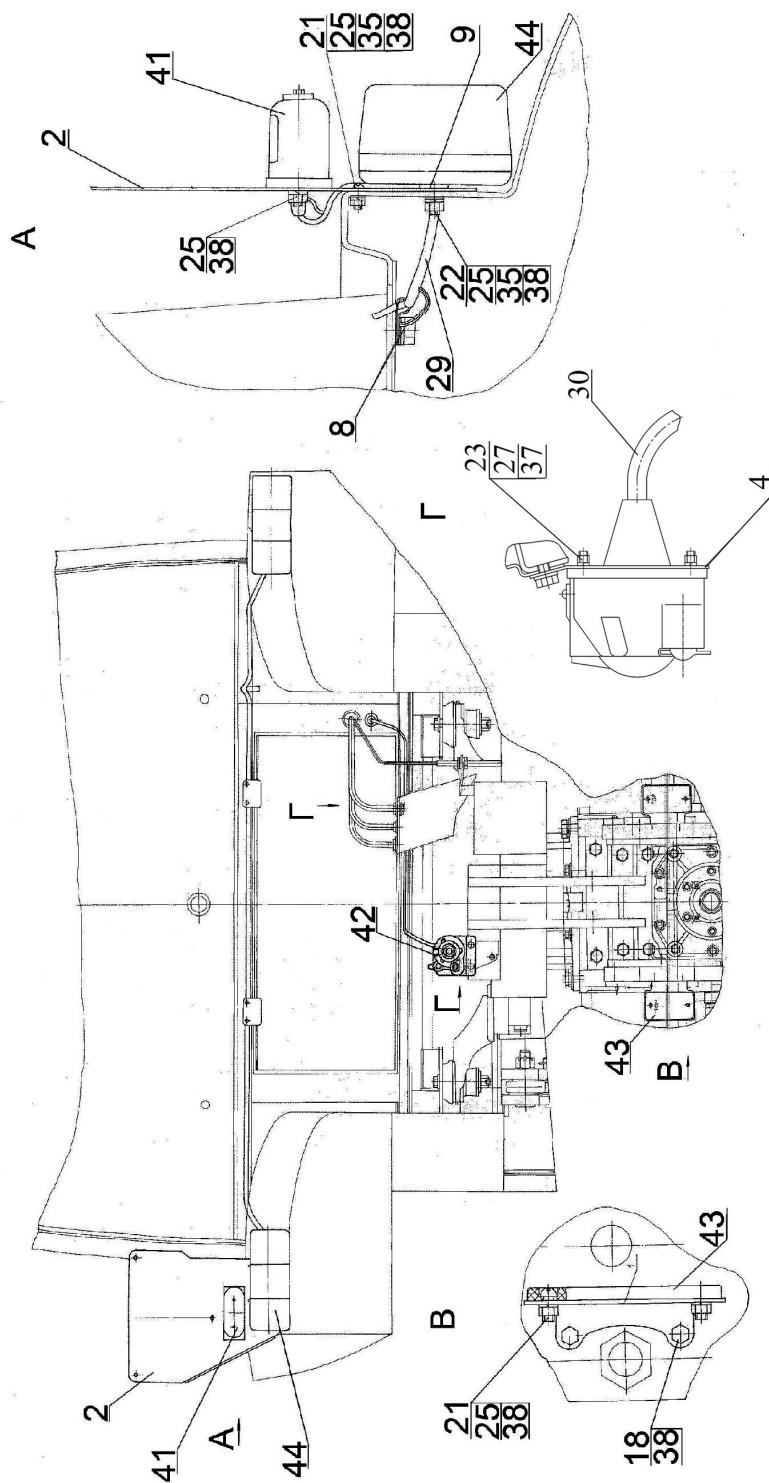
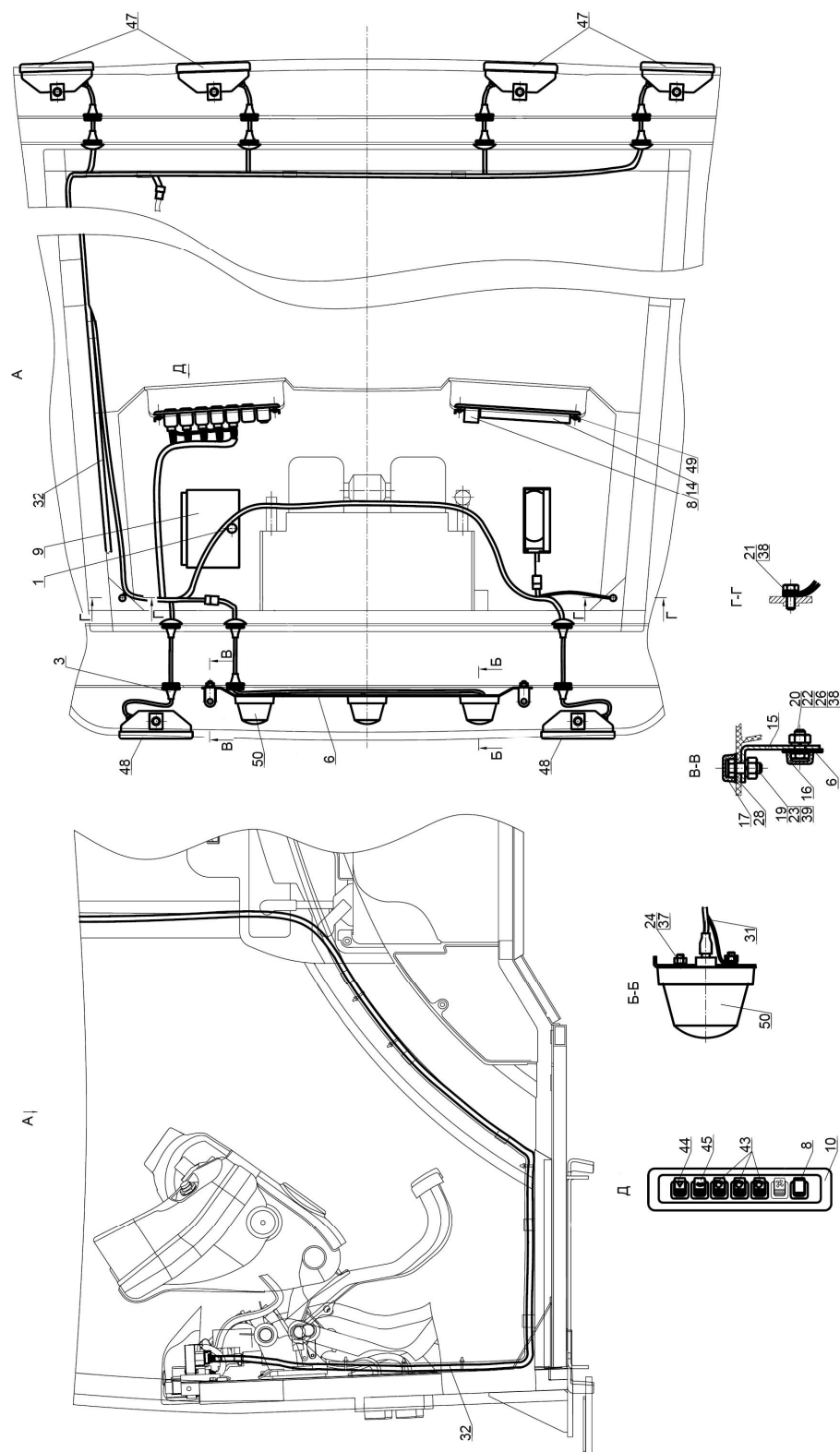


Fig. 37.6 Rear lamps assembly

Group 37. Electrical equipment
Subgroup 3723. Rear lamps assembly

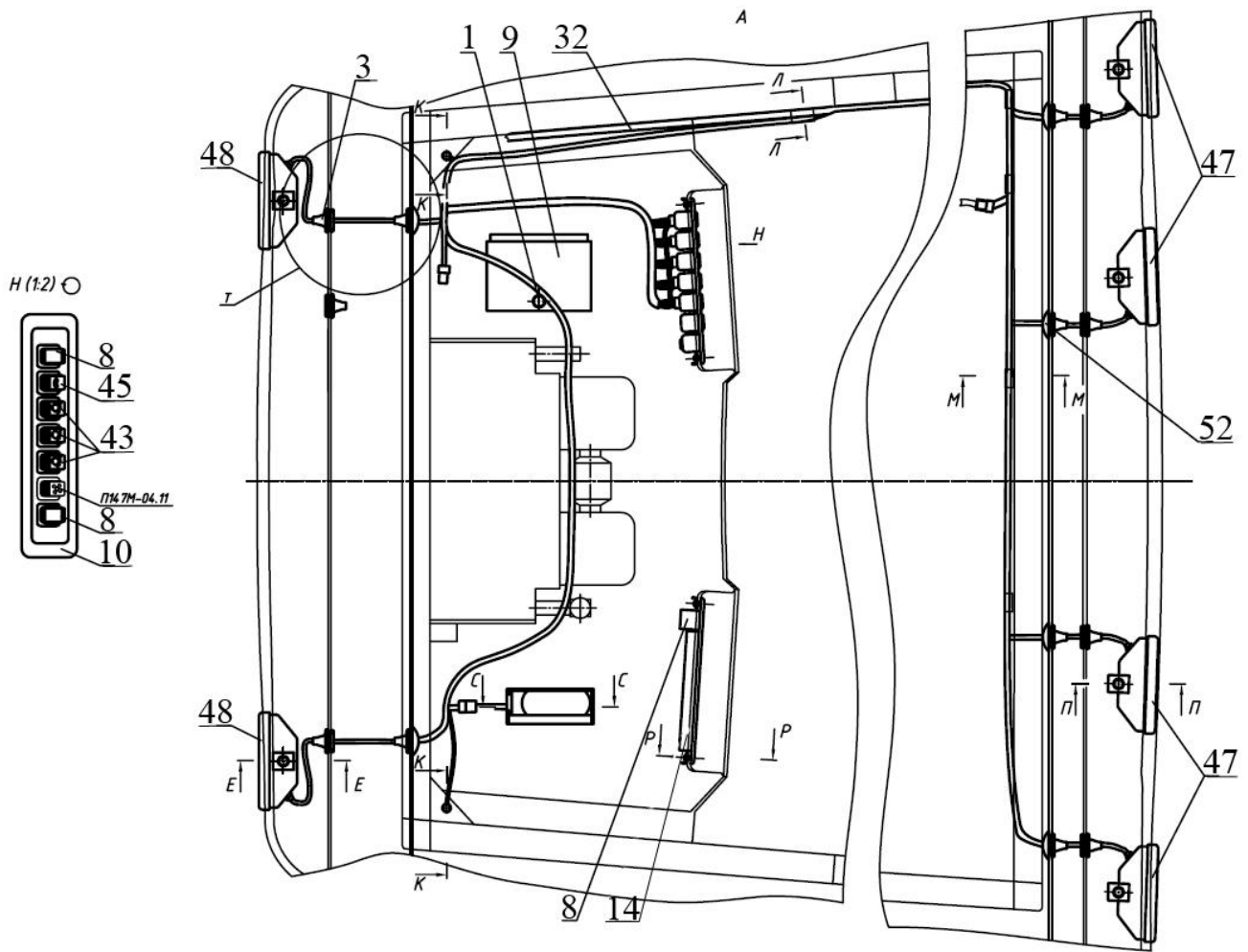
Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
37.6		1222-3700060-03	1	Rear lamps assembly
	1	1222-3731003	2	Bracket
	2	923-3716011	1	Bracket
	4	1522-3723041	1	Bracket
	8	70-1115012-04	2	Clamp
	9	80-6708904	2	Gasket
	12	54.24.445-B	1	Tip
	18		4	Bolt M6-6gh12.88.35.019 GOST 7798-70
	21		6	Screw V.M6-6gh16.58.019 GOST 17473-80
	22		4	Screw V.M6-6gh25.58.019 GOST 17473-80
	23		3	Screw V.M5-6gh35.58.019 GOST 17475-80
	25		12	Nut M6-6N.6.019 GOST 5915-70
	27		3	Nut M5-6N.6.019 GOST 5927-70
	29		1	Bundled cable of rear lights 923-3724160-B GOST 23544-84
	30		1	Bundled cable of trailer socket 2522-3724203 GOST 23544-84
	35		6	Washer S 6.01.019 GOST 11371-78
	37		3	Washer 5T OST 37.001.115-75
	38		16	Washer 6T OST 37.001.115-75
	41	3717.10	1	Number plate light FP 131 AR GOST 6964-72 or Number plate light 2102.3.04.17 TU U 3.04.00232489.005-96 or Number plate light 112.00.05-01 TU RB600124825.027-2002
	42	3723.10	1	Socket 302.3.04.23 TU U 31.6-32192547-020-2007 or Socket R9-1 TU RB37334210.020-98
	43	3731.10	2	Reflector 3202.3731 TU RB 05882559.008-95
	44	3716.10	2	Rear lamp 7303.3716 TU RB 600124825.026-2002 or Rear lamp 3302.3716-20 TU U 3.04.00232489.003-96



Ris 37.7 Working lights assembly

Group 37. Electrical equipment
Subgroup 3700. Working lights assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
37.7		925-3700110	1	Working lights assembly
	1	80-3805065	1	Screw
	3	923-3723024	1	Bushing
	6	80-3738001	1	Bracket
	8	80-3801327	2	Blind plug
	9	822-3801341	1	Dashboard
	10	923-3801342	1	Dashboard
	12	923-3801344	4	Plate
	14	923-7901018	1	Dashboard
	15	90-8402071-01	2	Bracket
	16	A30.04.017	2	Cap
	17	A30.04.017-01	2	Cap
	19		2	Bolt M8-6gh20.88.35.019 GOST 7796-70
	20		2	Bolt M6-6gh16.88.35.019 GOST 7798-70
	21		2	Bolt M6-6gh25.58.35.019 GOST 7798-70
	22		2	Nut M6-6N.6.019 GOST 5915-70
	23		2	Nut M8-6N.6.019 GOST 5915-70
	24		6	Nut M5-6N.6.019 GOST 5927-70
	26		2	Washer S 6.01.019 GOST 11371-78
	31		1	Bundled cable 923-3724233-A GOST 23544-84
	32		1	Bundled cable 925-3724350 GOST 23544-84
	37		6	Washer 5T OST 37.001.115-75
	38		4	Washer 6T OST 37.001.115-75
	39		2	Washer 8T OST 37.001.115-75
	43		3	Switch P150M-25.52 TU RB 14795799.001-97 or Switch PK150-25.52 TU BY 600066646.111-2009
	44		1	Switch P150M-25.16 TU RB 14795799.001-97 or Switch PK150-25.16 TU BY 600066646.111-2009
	45		1	Switch P150M-07.28 TU RB 14795799.001-97 or Switch PK150-07.28 TU BY 600066646.111-2009
	46		1	Room lamp R2.3714 TU BY 600398030.005-2006
	47		4	Working light 8724.304/10 TU RB 28927023.003-98
	48		2	Working light 8724.304/311 TU RB 28927023.003-98
	49		8	Screw 4h10.019 TU RB 400024166.001-2000
	50		3	Roadtrain lamp



Ris 37.8 Working lights assembly

Group 37. Electrical equipment
Subgroup 3700. Working lights assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
37.8		925-3700110-01	1	Working lights assembly
	1	80-3805065	1	Screw
	3	923-3723024	14	Bushing
	8	80-3801327	3	Blind plug
	9	822-3801341	1	Dashboard
	10	923-3801342	1	Dashboard
	12	923-3801344	4	Plate
	14	923-7901018	1	Dashboard
	18	500A-8507096	2	Blind plug
	21		2	Bolt M6-6gh25.88.35.019 GOST 7798-70
	32		1	Bundled cable 925-3724350 GOST 23544-84
	38		2	Washer 6 T OST 37.001.115-75
	43		3	Switch P150M-25.52 TU RB 14795799.001-97 or Switch PK150-25.52 TU BY 600066646.111-2009
	45		1	Switch P150M-07.28 TU RB 14795799.001-97 or Switch PK150-07.28 TU BY 600066646.111-2009
	46		1	Room lamp R2.3714 TU BY 600398030.005-2006
	47		6	Working light 112.07.54-06 TU BY 600124825.055-2009 or Working light RAUS 14.3711-12 TU RB 28927023.003-98
	49		8	Screw 4h10.019 TU BY 400024166.016-2009
	52		0,28 long meter	Sealant Abris LT 20h2 TU 2513-001-43008408-98

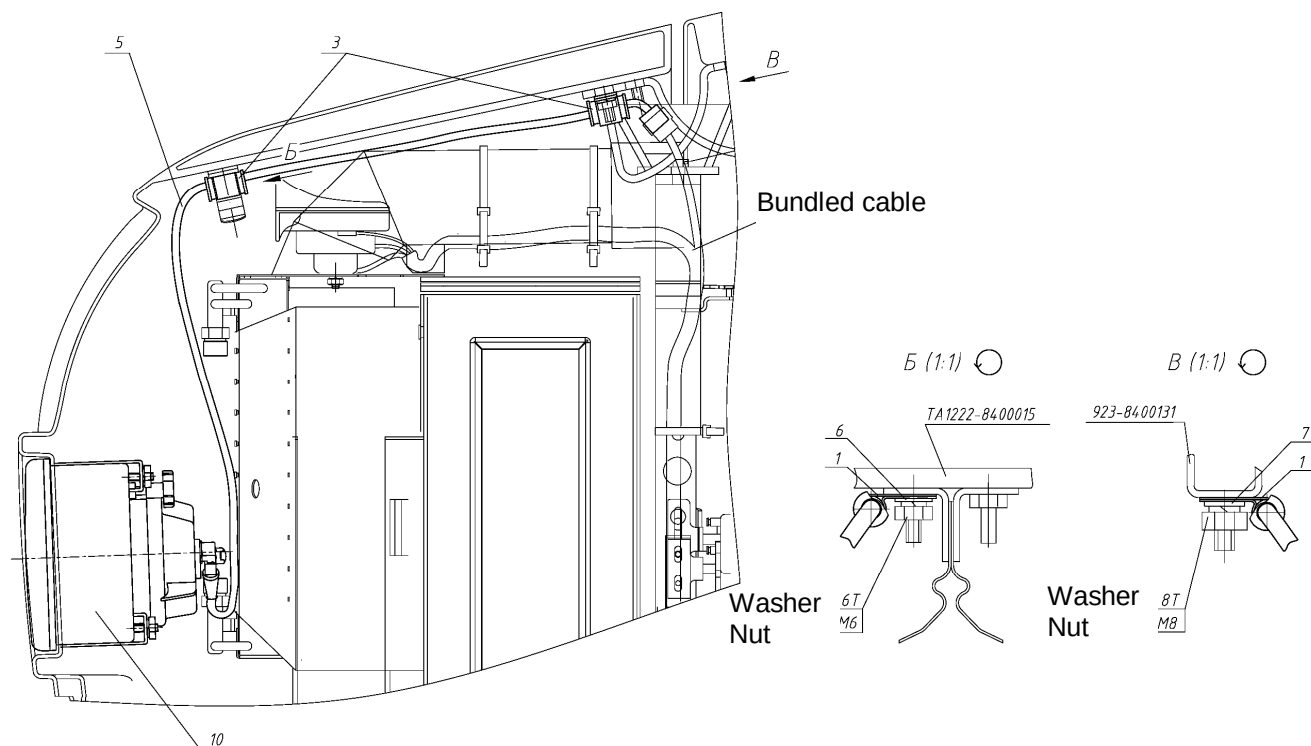


Fig. 37.9 Headlights assembly

Group 37 Electrical equipment
Subgroup 3700. Headlights assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
37.9		1221.4-3700020	1	Headlights assembly
	1	70-1115012-01	2	Clamp
	3	70-3506027	2	Bushing
	5		1	Bundled cable 422.1-3724025 GOST 23544-84
	6		1	Washer S 6.01.019 GOST 6958-78
	7		1	Washer S 8.01.019 GOST 6958-78
	10		2	Light 08 7101 000 TU RB 600398030.004-2004 or Headlight 112.08.70 TU BY 600124825.054-2009

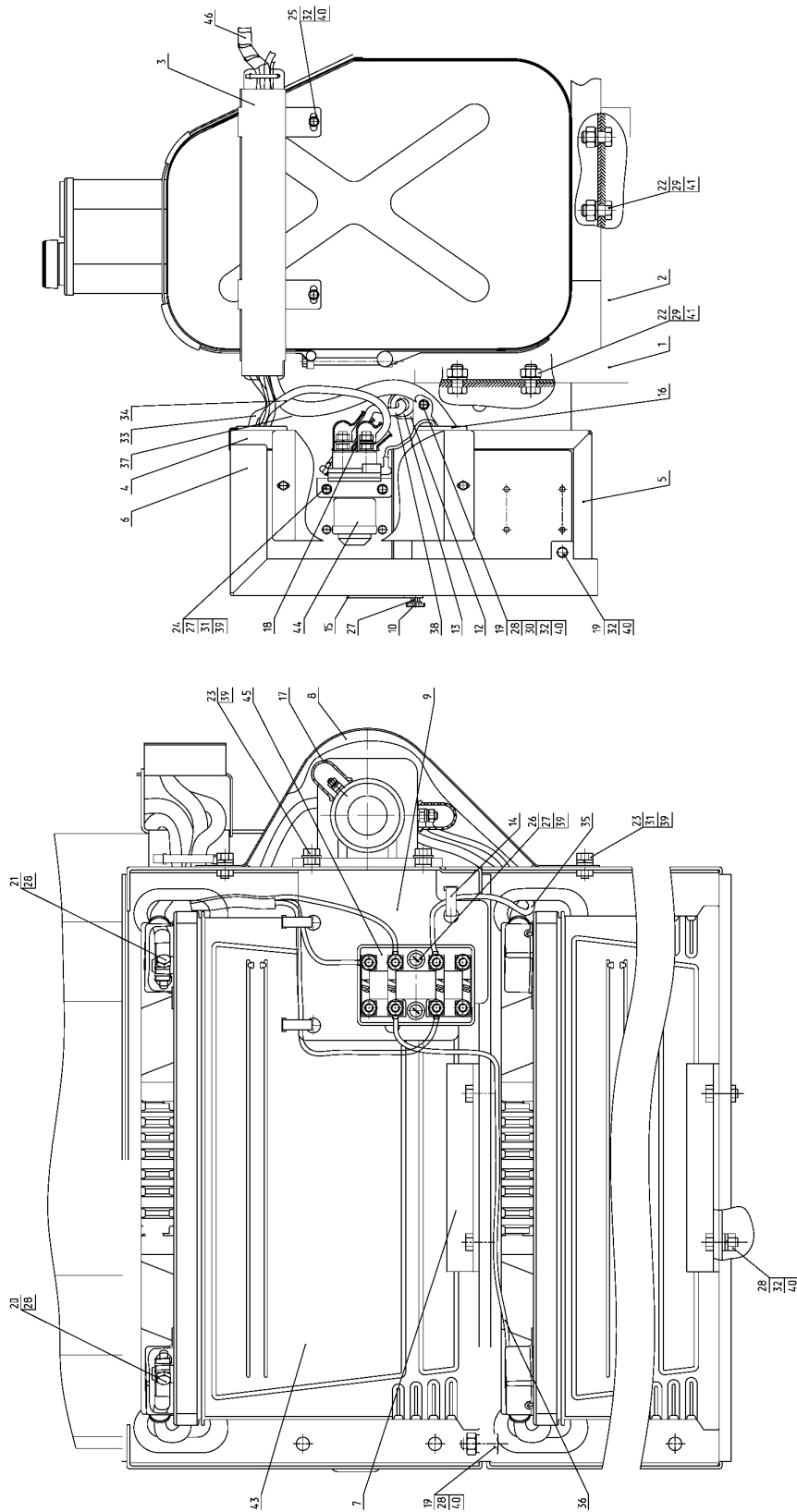


Fig. 37.10 Storage battery assembly

Group 37 Electrical equipment
Subgroup 3724. Storage battery assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
37.10		1523.5-3700080	1	Storage battery assembly
	1	1523.5-3703085	1	Bracket
	2	1523.5-3703085-01	1	Bracket
	3	1523.5-3703010	1	Bracket
	4	1221V-3703010-02	1	Tray
	5	1221V-3703010-03	1	Tray
	6	1222.4-3703020	1	Casing
	7	80V-3703020	2	Holddown clamp
	8	1522-3703025	1	Casing
	9	1222.4-3722010	1	Bracket
	10	80-3805065	1	Screw
	12	320-3723021	1	Bracket
	13	70-3723042-02	1	Bushing
	14	80-3723045	5	Collar
	15	822-3801341-B	1	Dashboard
	16	50-4607064	4	Bushing
	17	54.24.445-B	2	Tip
	18	TM-59-6000-38	2	Rubber tip
	19		7	Bolt M8-6gh20.88.35.019 GOST 7796-70
	20		2	Bolt M8-6gh30.88.35.019 GOST 7796-70
	21		2	Bolt M8-6gh35.88.35.019 GOST 7796-70
	22		8	Bolt M16-6gh32.88.35.019 GOST 7796-70
	23		4	Bolt M6-6gh16.88.35.019 GOST 7798-70
	24		2	Bolt M6-6gh20.88.35.019 GOST 7798-70
	25		2	Bolt M8-6gh14.88.35.019 GOST 7798-70
	26		2	Screw V.M6-6gh16.58.019 GOST 17473-80
	27		5	Nut M6-6N.6.019 GOST 5915-70
	28		15	Nut M8-6N.6.019 GOST 5915-70
	29		8	Nut M16-6N.6.019 GOST 5915-70
	30		1	Washer S 8.01 GOST 6958-78
	31		4	Washer S.6.01.019 GOST 11371-78
	33		1	Cable 1523.5-3724041 GOST 23544-84
	34		1	Cable 1523.5-3724075 GOST 23544-84
	35		1	Cable 1222.4-3724045 GOST 23544-84
	36		1	Cable 80-3724381-B GOST 23544-84
	37		1	Cable 923-3724042 GOST 23544-84

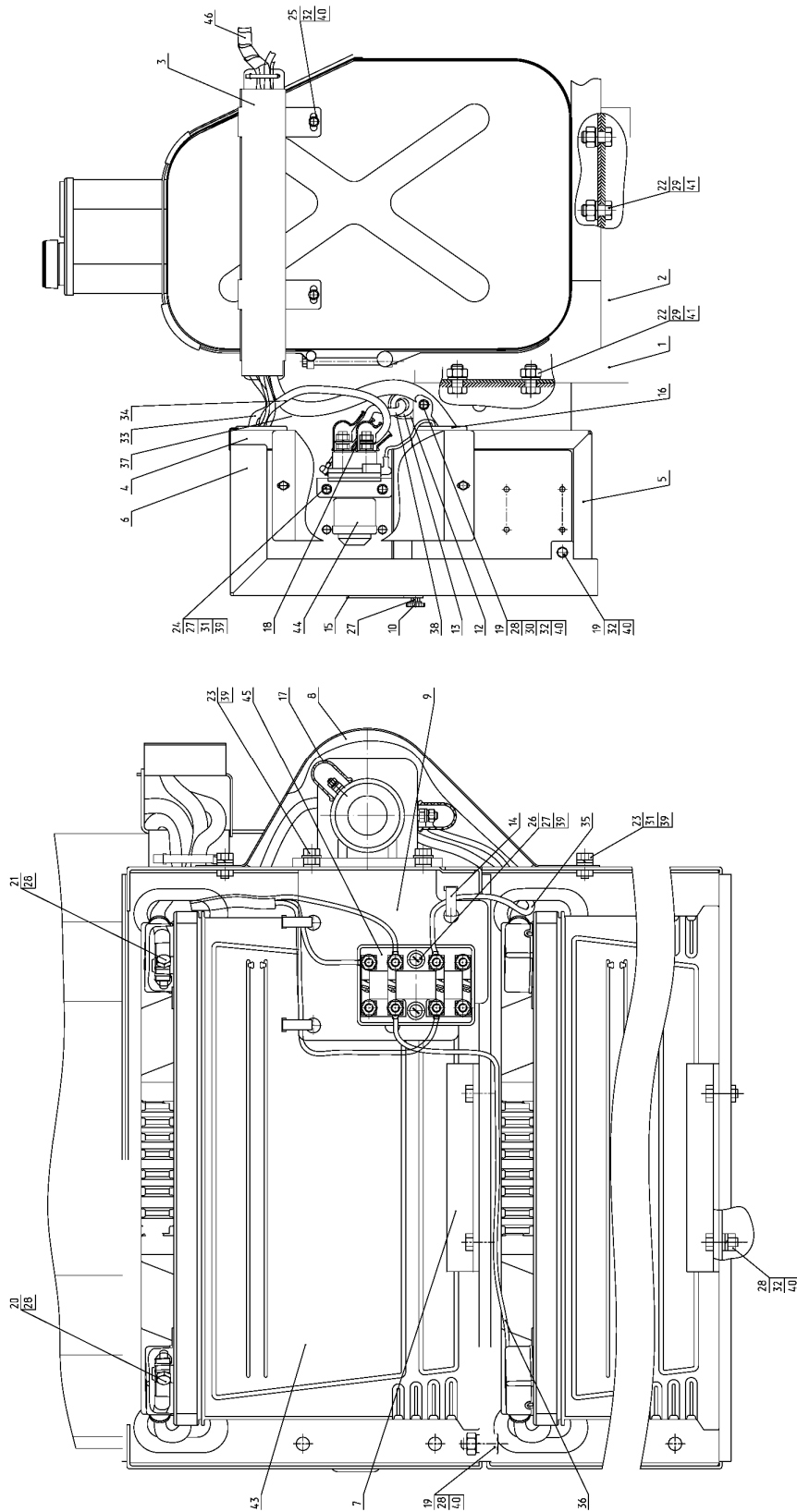


Fig. 37.10 Storage battery assembly

Group 37 Electrical equipment
Subgroup 3724. Storage battery assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
37.10	38		1	Cable 1221V-3724044-V GOST 23544-84
	39		8	Washer 6 T OST 37.001.115-75
	40		13	Washer 8T OST 37.001.115-75
	41		8	Washer 16 OT OST 37.001.115-75
	43		2	Accumulator battery 12V 120 Ah or Accumulator battery 12V 125 Ah
	44		1	Switch 1212.3737-06 TU RB 07513211.006-97
	45		1	Fuse block BP-11-07 TU RB 03428193.095-97
	46		1	Spiral band B 25h20,6h20 black (L=1000 mm) TU BY 500525429.006-2009[1]

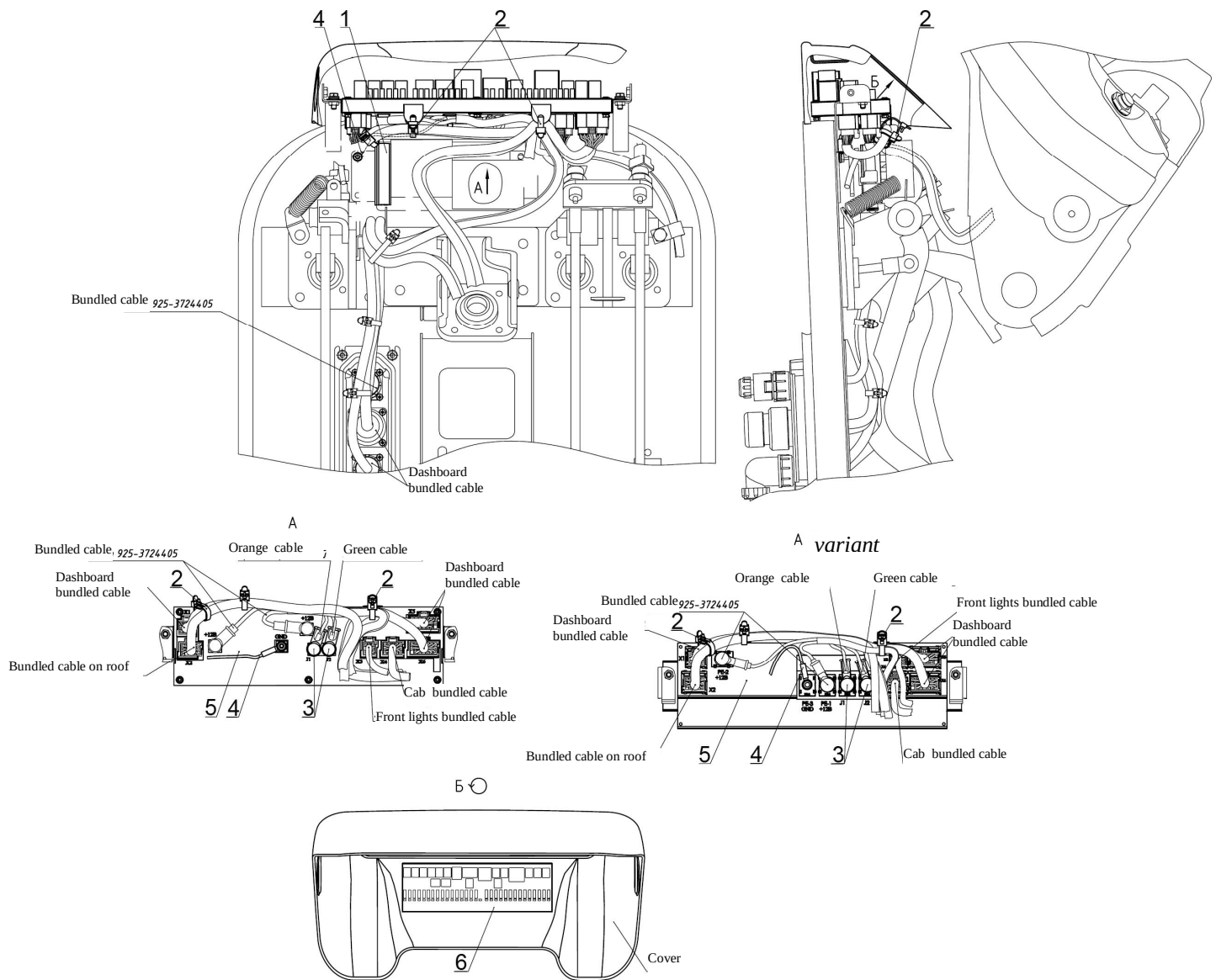
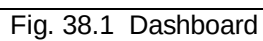


Fig. 37.11 Switching unit

Group 37. Electrical equipment
Subgroup 3722. Switching unit

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
37.11		921-3722010-02	1	Switching unit
	1	A37.08.045-21	1	Sealant
	2	80-3723045-01	3	Collar
	3	54.24.445-B	2	Tip
	4	80-3724134	1	Cable
	5	3722.75.02 or	1	Blok BKA-7.3722-02
		3722.75.01	1	Blok BK-1-02
	6	3722.75.04	1	Plate TBKA-7.3722 (together with unit BKA-7.3722)
		3722.75.03	1	Plate TBK-1.3722 (together with unit BK-1)



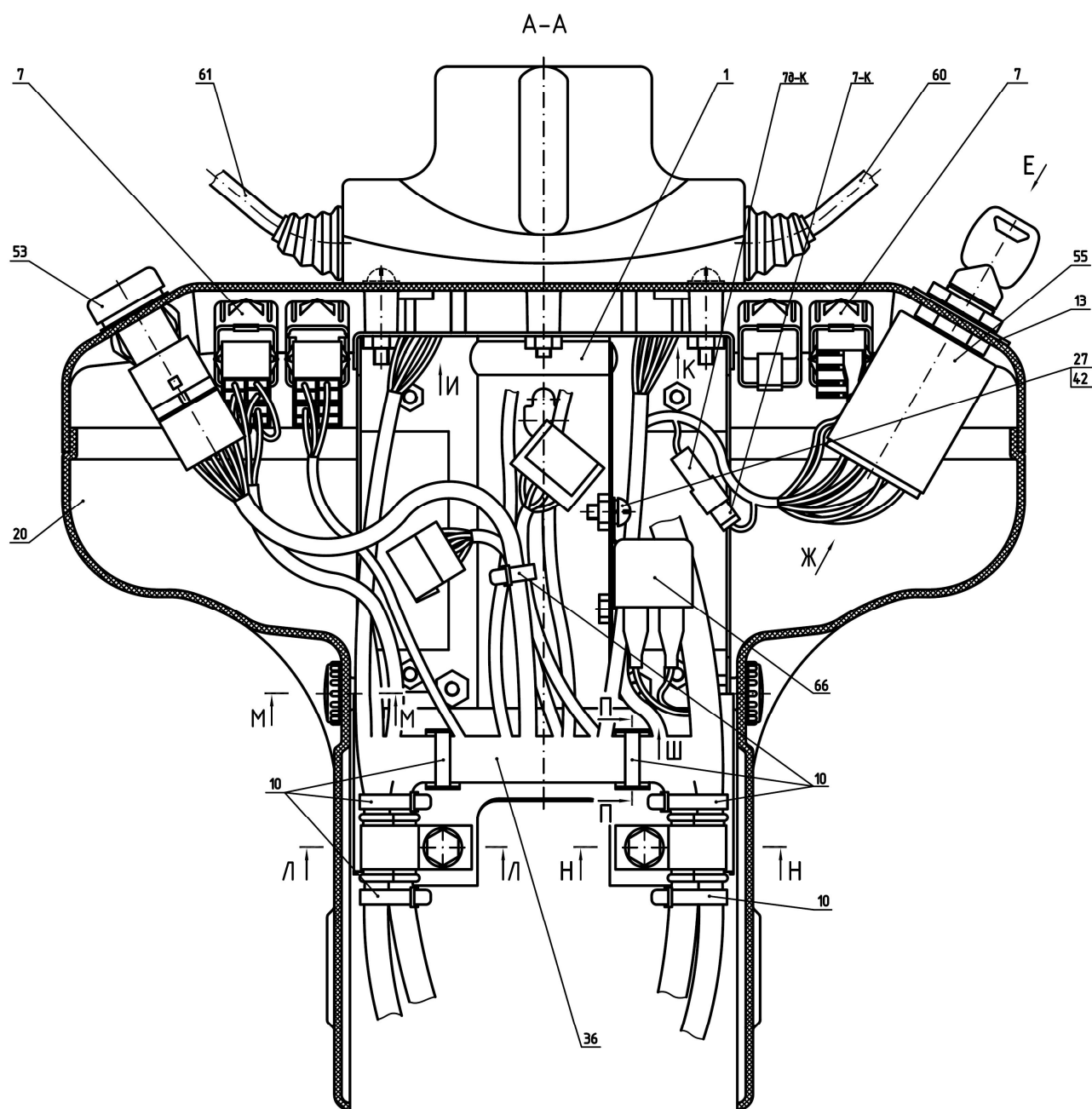
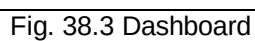


Fig. 38.2 Dashboard



Group 38. Dashboard
Subgroup 3805. Dashboard

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
38.1 38.2 38.3	1	822-3805050	1	Base
	2	80-3805065	4	Screw
	6	822-3709124	1	Cover
	7	5336-3710015	4	Switch frame
	9	922-3723044	2	Clamp
	10	80-3723045	7	Collar
	11	80-3801327	1	Blind plug
	13	822-3805013-01	1	Plate
	16	822-3805072	1	Bracket
	17	925-3805073-B	1	Bracket
	18	923-3805121	1	Panel
	19	822-3805161	1	Side member
	20	822-3805162	1	Side member
	21	PPR-50-01	2	Profile
	22		1	Bolt M6-6gh60.88.35.019 GOST 7795-70
	23		2	Bolt M8-6gh20.88.35.019 GOST 7796-70
	24		2	Bolt M6-6gh16.88.35.019 GOST 7798-70
	25		4	Screw V.M3-6gh14.46.019 GOST 17473-80
	26		4	Screw V.M5-6gh16.58.019 GOST 17473-80
	27		1	Screw V.M6-6gh16.58.019 GOST 17473-80
	31		4	Nut M3-6N.6.019 GOST 5927-70
	32		4	Nut M5-6N.6.019 GOST 5927-70
	33		4	Washer S 3.01.019 GOST 11371-78
	34		3	Washer S 6.01.019 GOST 11371-78
	35		2	Washer S 8.01.019 GOST 11371-78
	36		1	Bundled cable 925M.4-3724390-D GOST 23544-84
	38		1	Bundled cable 925-3724405-A GOST 23544-84
	40		4	Washer 3T OST 37.001.115-75
	41		4	Washer 5T OST 37.001.115-75
	42		2	Washer 6T OST 37.001.115-75
	43		2	Washer 8T OST 37.001.115-75
	50	3803.20	1	Pilot lamps unit
	53	3710.10	1	Warning switch
	54	3710.55	1	Battery disconnect switch
	55	3710.15	1	Starter switch with start locking
	56	3710.30	1	Working lights switch
	58	3813.35	1	Integrated indicator (CAN)
	59	3801.20	1	Instrument board KP-6 CAN
	60	3709.145	1	Underwheel switch PKP-1A TU RB 37334210.023-98
	61	3709.235	1	Switch of windscreen wiper PKP-3A TU RB 100093400.003-2001
	62	3709.20	1	Light switch
	64	3813.40	1	Control panel
	66	3747.20	1	Annunciator relay
	67	917401	4	Screw 4h10.019 TU BY 400024166.016-2009
	68	917411	2	Screw 4h16.019 TU BY 400024166.016-2009
	69	3710.040-01	1	Socket HE0801737
	70	3710.040-02	1	Socket HE0801738

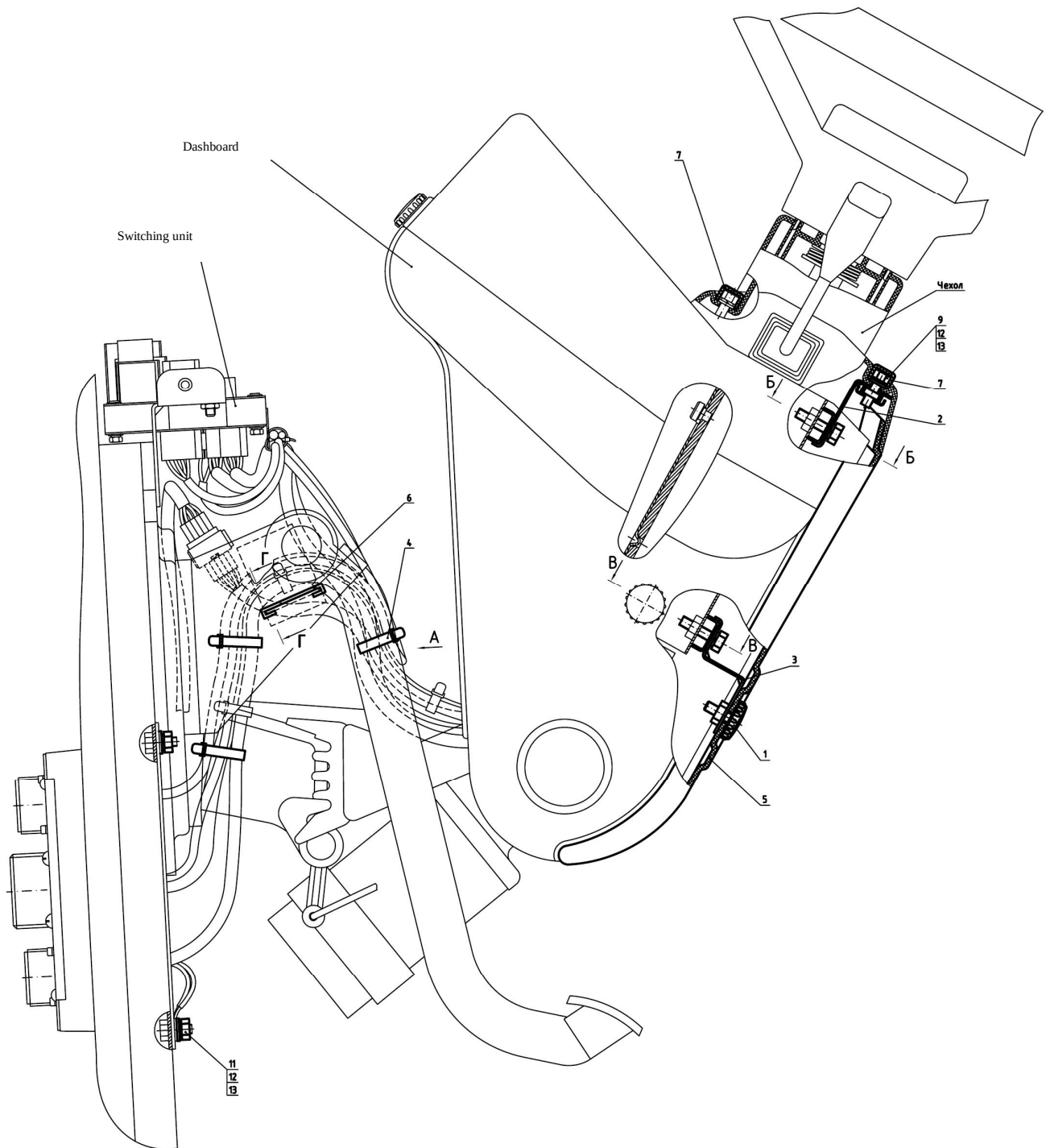
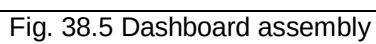


Fig. 38.4 Dashboard assembly



Group 38. Dashboard
Subgroup 3805. Dashboard assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
38.4 38.5	1	80-3805065	1	Screw
	2	822-3805080-B	1	Bracket
	3	822-3805095	1	Bracket
	4	822-3805163	1	Casing
	5	PR-43-01	1	Sealant
	6	A30.04.017	2	Cap
	9		1	Bolt M6-6gh16.88.35.019 GOST 7798-70
	10		4	Bolt M6-6gh25.88.35.019 GOST 7798-70
	11		4	Nut M6-6N.6.019 GOST 5915-70
	12		9	Washer S 6.01.019 GOST 11371-78
	13		9	Washer 6T OST 37.001.115-75

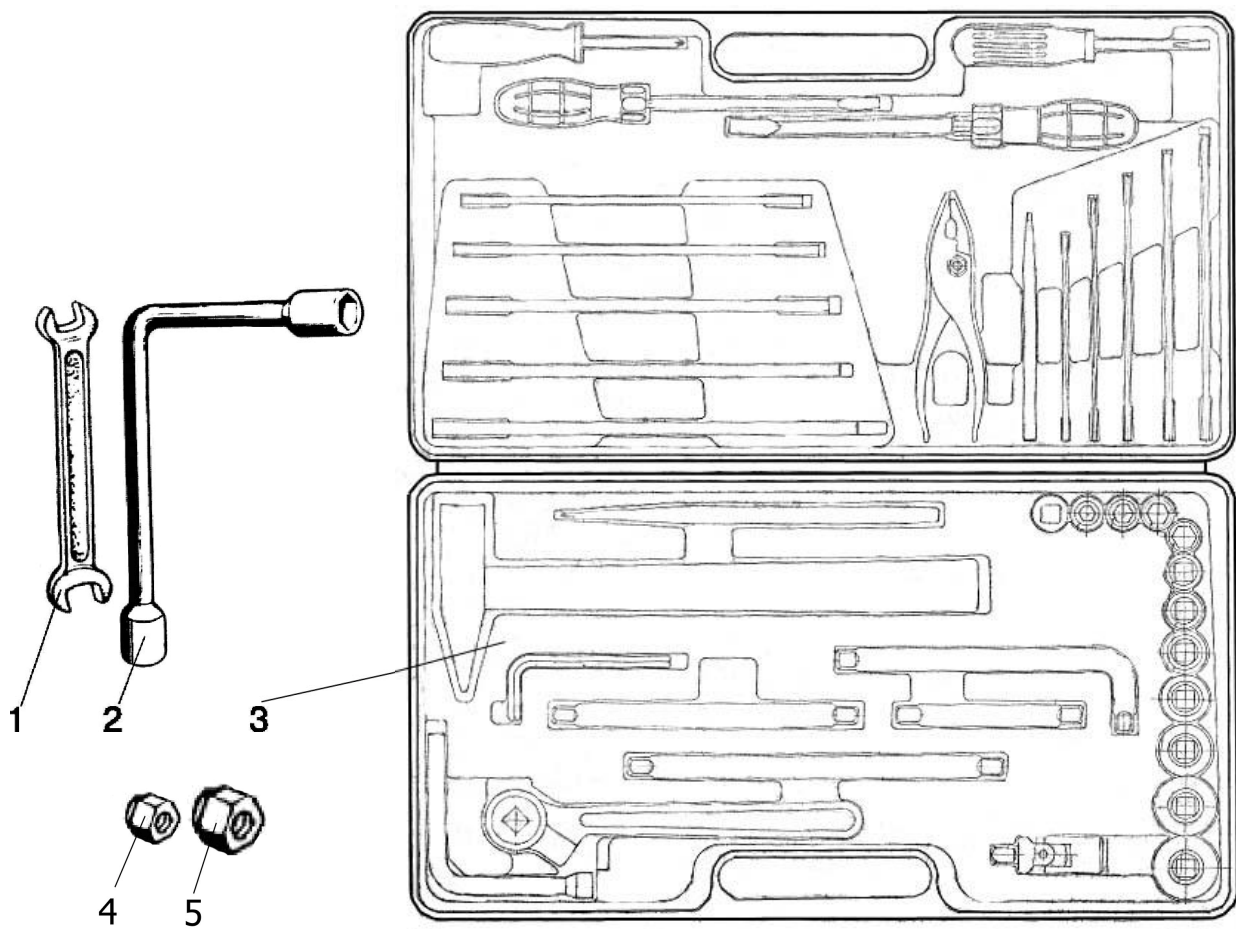


Fig. 39.1. Operator's tool

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
39.1	1	70-3901038	1	Wrench 41x46
	2	70-3901027	1	Socket wrench S=27h32
	3	3900.0001 *	1	Tool kit
	4	40-3103017-01	2	Wheel disc retaining nut (for «BELARUS-100H/80H.1»)
	5	36-3104019	2	Nut

*Optional

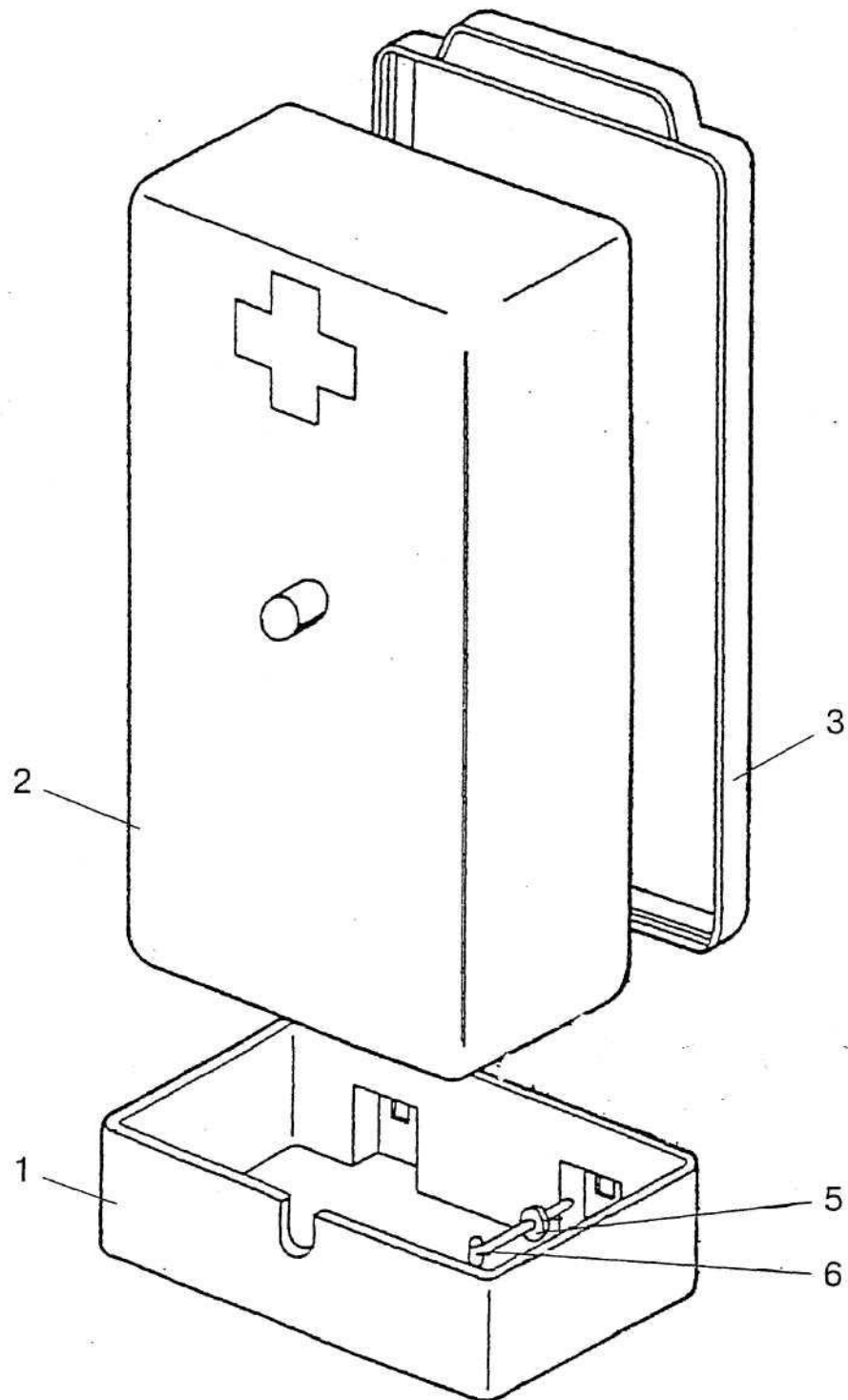


Fig. 39.2 First-aid kit

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
39.2		2522-3912150	1	First-aid kit
	1	70-3912153-A	1	Bracket
	2	70-3912152	1	Housing
	3	70-3912151	1	Cover
	5		2	Washer S.6.01.019 GOST 11371-78
	6		2	Screw V.M6-6gh20.58.019 GOST 17473-80

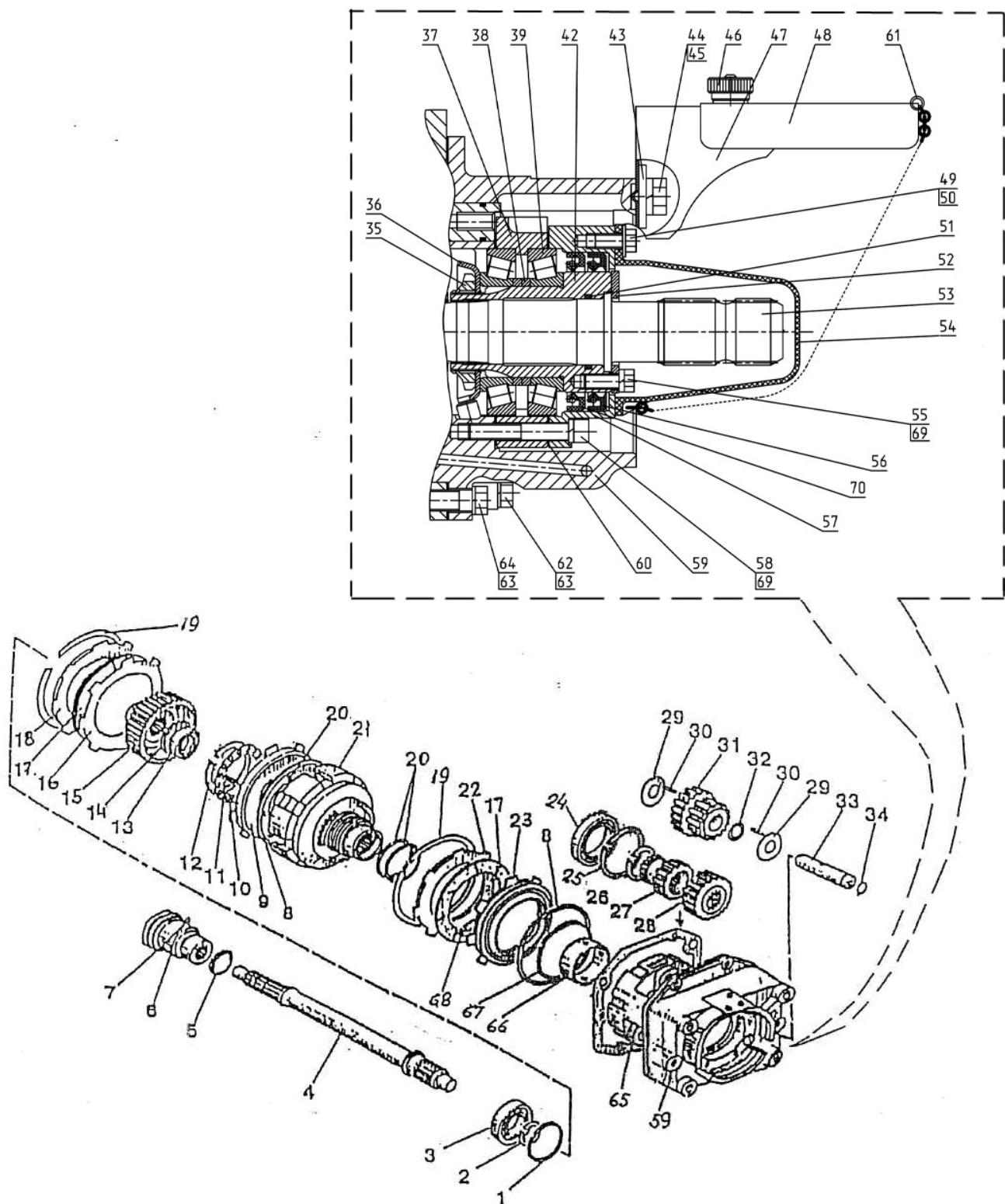


Fig. 42.1 Power take-off shaft

Group 42. Power take-off
Subgroup 4202. Power take-off shaft

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
42.1		2022-4202010-03		Rear PTO (2022-4202020-03, 1522-4202060, 50-4202045-01; 1, 43-50, 54, 55, 61-65)
		2022-4202020-03	1	Rear PTO (2022-4202070, 2022-4202030-A-01)
		1522-4202060	1	Drive shaft (2-4)
		2022-4202050	1	Bushing (35-39, 42, 51)
		50-4202045-01	1	Shift collar (5-7)
		2022-4202070	1	Cover (56, 57, 70)
		2022-4202030-A-01	1	Friction clutch coupling (8-21)
	1	2S80	1	Ring
	2	S40	1	Ring
	3	208A	1	Bearing
	4	1522-4202011	1	Drive shaft
	5	A61.03.002	1	Ring
	6	50-4202046-B-01	1	Shift collar
	7	7,938-100	1	Ball
	8	80-1701382	2	Ring
	9	80-1701374-01	1	Piston
	10	80-1701373	1	Spring support
	11	80-1701395	16	Spring
	12	S80	1	Ring
	13	305A	1	Bearing
	14	S62	1	Ring
	15	1522-4202034-A-02	1	Spline clutch
	16	LD 2220087	4	Drive plate
	17	2522-1802035-A-01 or 2522-1802035-A or 80-1701375	5	Drive plate
	18	3522-4202379	1	Thrust disc
	19	DIN 472:1981	2	Locking ring 185
	20	142-1701381	3	Ring
	21	2022-4202031-01	1	Drum
	22	3522-4202379-01	1	Thrust disc
	23	2022-4202033	1	Brakes piston
	24	114	1	Bearing
	25	2S70	1	Ring
	26	2S110	1	Ring
	27	1021-4202026-BA	1	Gear
	28	1021-4202021-B	1	Gear
	29	1522-4202023	6	Thrust washer
	30	5x27,8A3	114	Roller
	31	1522-4202028-B	3	Gear
	32	1522-4202024-01	3	Bushing
	33	1522-4202022	3	Intermediate axle
	34	021-025-25-1-4	3	Ring
	35	80-1701047	1	Nut
	36	2022-4202069	1	Washer
	37	2022-4202042	1	Body

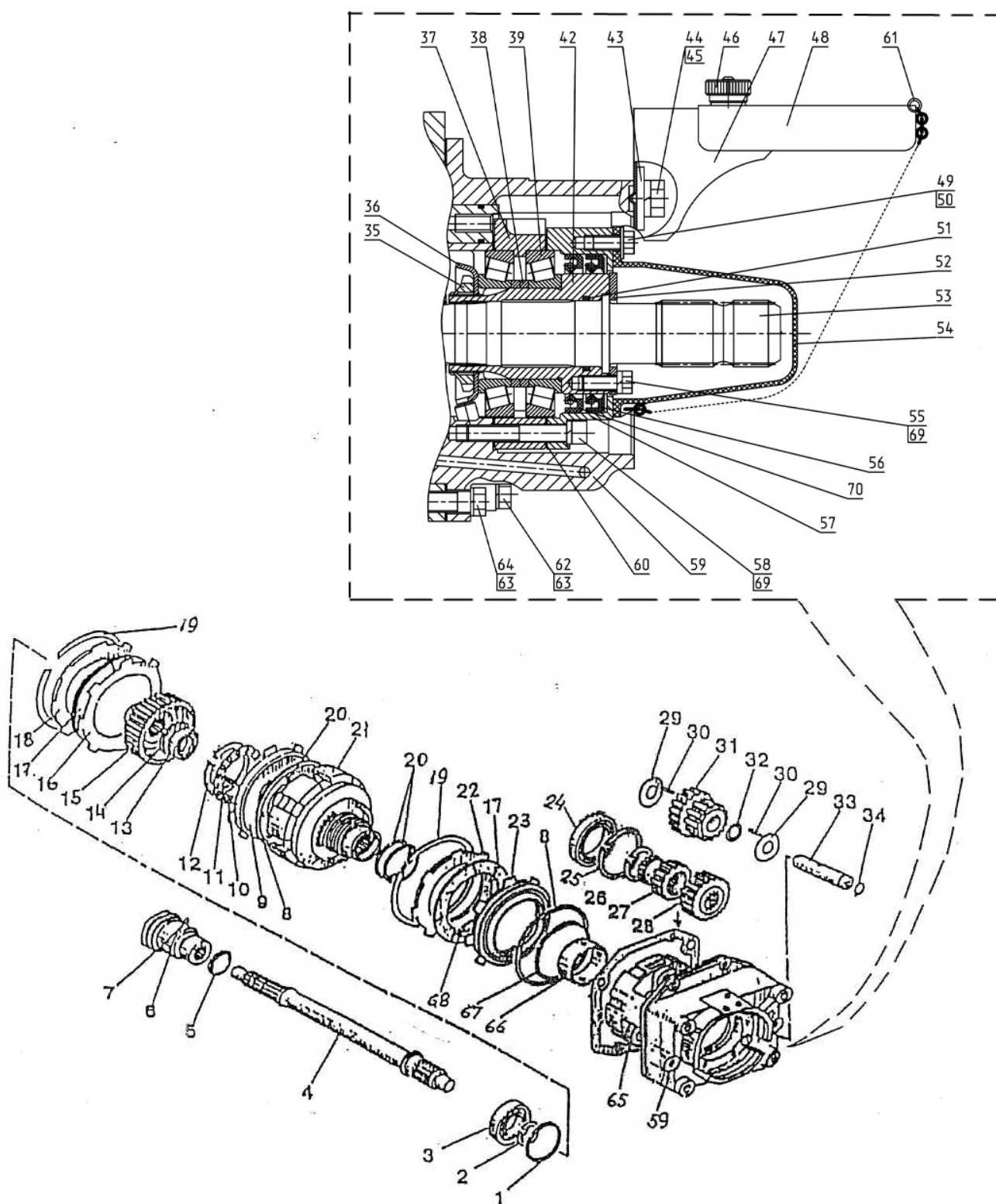


Fig. 42.1 Power take-off shaft

Group 42. Power take-off
Subgroup 4202. Power take-off shaft

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
42.1	38	72-2308121*	2	Ring
		or 72-2308121-01	2	Ring
		or 72-2308121-02	2	Ring
		or 72-2308121-03	2	Ring
		or 72-2308121-04	2	Ring
		or 72-2308121-05	2	Ring
		or 72-2308121-06	2	Ring
		or 72-2308121-07	2	Ring
		or 72-2308121-08	2	Ring
		or 72-2308121-09	2	Ring
		or 72-2308121-10	2	Ring
		or 72-2308121-11	2	Ring
	39	7212A	2	Bearing
	42	2022-4202062	1	Bushing
	43	S16.01.08	2	Washer
	44	M16h25	2	Bolt
	45	16 OT	2	Washer
	46	1522-4202094	2	Handwheel
	47	2022-4202095	1	Casing
	48	2022-4202092	1	Dashboard
	49	M10h20	2	Bolt
	50	S10.01.019	2	Washer
	51	044-050-36-2-2	1	Ring
	52	1822-4202027	1	Thrust washer
	53	2022-4202017 or 2022-4202017-02	1	PTO shaft end3 (20 splines – 1000rpm), PTO shaft end2 (21 splines – 1000 rpm)
		2022-4202017-01***	1	PTO shaft end 2S (8 splines – 1000rpm)
		2022-4202017-03***	1	PTO shaft end 2S1 (6 splines -1000rpm)
		2022-4282016**	1	PTO shaft end 1S(8 splines- 540rpm)
		2022-4202016-01**		PTO shaft end 1(6 splines- 540rpm)
	54	2022-4202065	1	Cap
	55	M10h25	4	Bolt
	56	2.2-80h105	1	Collar
	57	2022-4202018	1	Cover
	58	M 10x70	6	Screw
	59	2022-4202015	1	Housing
	60	2022-4202012	2	Gasket
	61	70-4235035	1	Chain
	62	M12h50	2	Bolt
	63	12 OT	6	Washer
	64	M12h40	4	Bolt
	65	1522-4202013-A	1	Gasket
	66	142-4202042	1	Bushing
	67	86-1802047	1	Ring
	68	8020-4202041	4	Spring
	69	10 OT	10	Washer
	70	1.2-80h105	1	Collar

* Is choosen at bearings adjustment

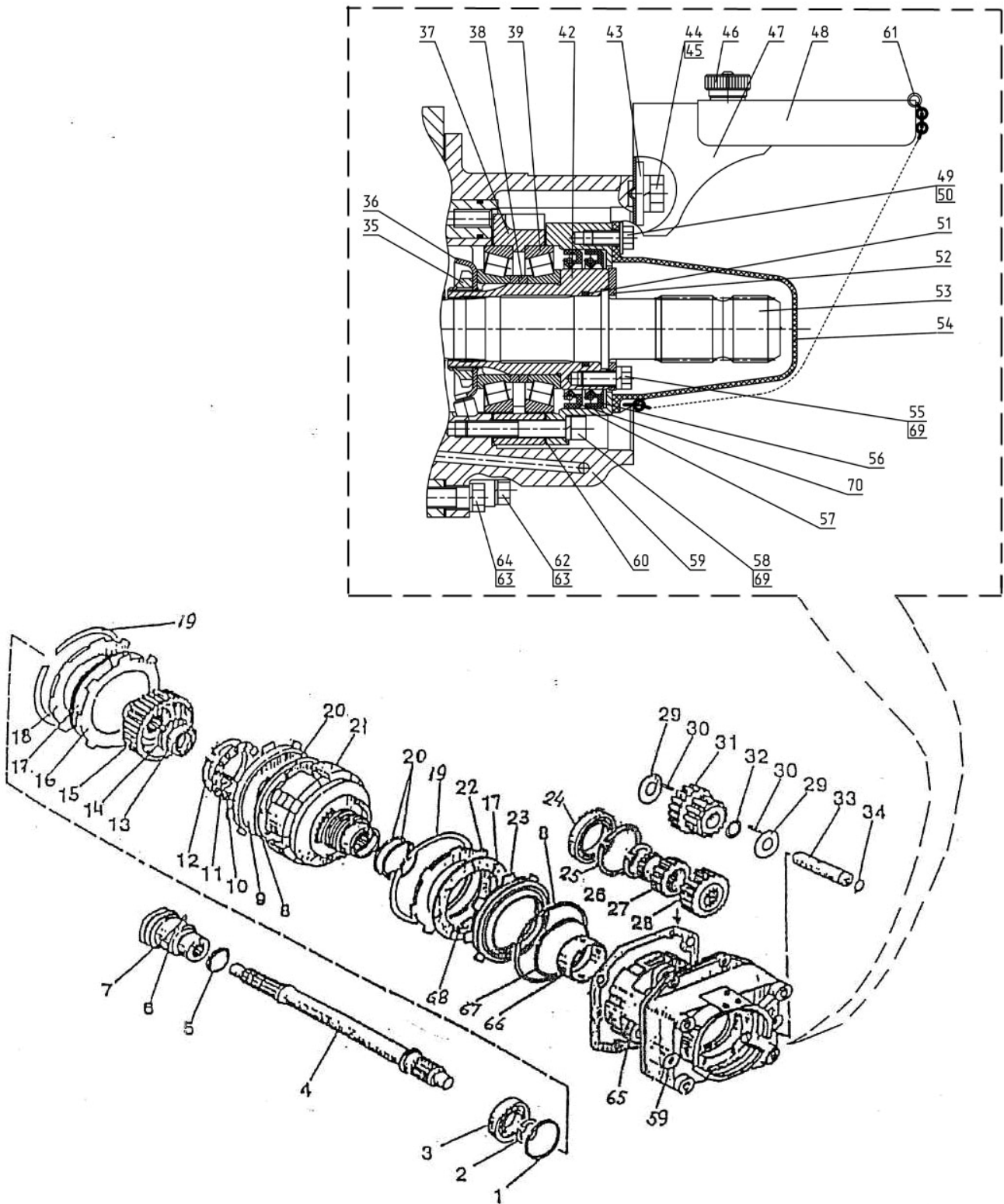


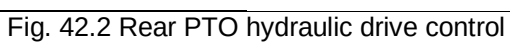
Fig. 42.1 Power take-off shaft

Group 42. Power take-off
Subgroup 4202. Power take-off shaft

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
42.1	63	12 OT	6	Washer
	64	M12h40	4	Bolt
	65	1522-4202013-A	1	Gasket
	66	142-4202042	1	Bushing
	67	86-1802047	1	Ring
	68	8020-4202041	4	Spring
	69	10 OT	10	Washer
	70	1.2-80h105	1	Collar

** Spare parts and accessories

*** Optional



Group 42. Power take-off
Subgroup 4218. Rear PTO hydraulic drive control

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
42.2		2022-4218005-A		Hydraulic system of rear PTO (1-3,6,7,10), 27, (29-45), 2022-4218015
		2022-4218015 or A29.66.000-V	1 1	Pneumatic adapter (4,9) Pneumatic adapter
		1223-4218100		Rear PTO hydraulic drive control (11-26), 28, 1822-4218105
		1822-4218105	1	Switch(12-16),(19-21)
	1	2022-4218030	2	Pipeline
	2		8	Clamp "NORMA" TORRO 12-20/9-C6W or Clamp /Clamp «NORMA» TORRO 12-22/971
	3	85-3407470	6	Fitting
	4	A29.66.000-B or SHKYAM 549.00.000	1	Pneumatic adapter
	6		2	Nut M10-6N.6.019 GOST 5915-70
	7		2	Washer 10 OT OST 37.001.115-75
	9	1522-4216011	1	Bracket
	10		2	Bolt M10-6gh30.88.35.019 GOST 7796-70
	11		1	Pin 6h22 OST 37.001.163-97 or 70-1601109-01
	12	1822-4218116	1	Shaft
	13	50-1702148-A	1	Spring
	14		1	Dowel A.10h40.65G chem.phosph.oil. GOST 14229-93
	15		1	Dowel A.8h30.65G chem.phosph.oil. GOST 14229-93
	16	1822-4218117	1	Base
	19	1822-4218121	1	Handle
	20		1	Nut M8-6N.6.019 GOST 5915-70
	21	1822-4218115	1	Handle
	22		1	Split pin 1,6h12.019 GOST 397-79
	23	80V-1108542-01 or 80V-1108542-A-01	1	Tip
	24		2	Nut M6-6N.6.019 GOST 5915-70
	25		1	Remote control cable 100.M4322.01250 TU U29.3-31765778-002-2003 or
				Remote control cable 23.588.1.1.2.00.01-02 TU U29.3-24169896-001-2001 or
				Remote controle cable 772-L-TT-75-1250 TU U 29.3-31003530-002-2002
	26	1523-4218122	1	Clip
	27	240-1111103	1	Rotary angle piece bolt
	28	1522-4218110-01	1	Rod
	29	1221-2412026-05	1	Hose pipe
	30		3	Washer M14 400-868-4490-41 or
				Washer 627 RRM14 or
				Washer SCN227-R18-RM14

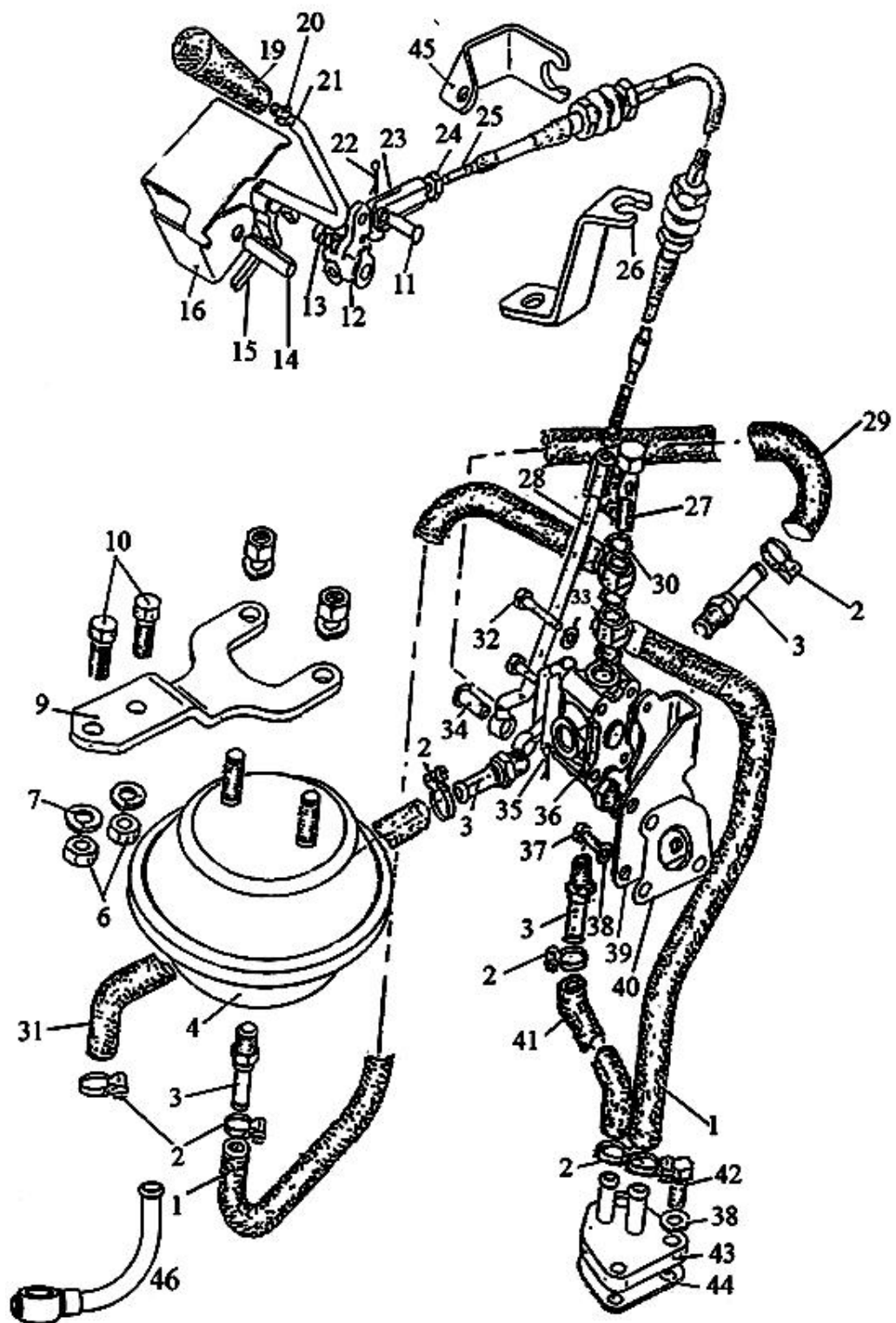


Fig. 42.2 Rear PTO hydraulic drive control

Group 42. Power take-off
Subgroup 4218. Rear PTO hydraulic drive control

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
42.2	31	2022-4218026-02	1	Hose pipe
	32		2	Bolt M6-6gh40.88.35.019 GOST 7795-70
	33		2	Washer 6T OST 37.001.115-75
	34		1	Pin 8h22 OST 37.001.163-97
	35		1	Split pin 3,2h25.019 GOST 397-79
	36	85-4216115	1	Valve
	37		3	Bolt M8-6gh20.88.35.019 GOST 7796-70
	38		6	Washer 8T OST 37.001.115-75
	39	1223-4218041	1	Bracket
	40	1522-4218002	1	Gasket
	41	2022-4218026-01	1	Hose pipe
	42		3	Bolt M8-6gh25.88.35.019 GOST 7796-70
	43	2022-4218025	1	Flange
	44	2522-4218002	1	Gasket
	45	1522-4218114	1	Clip
	46	822-4801190*	1	Oil pipeline

* - if front PTO is mounted

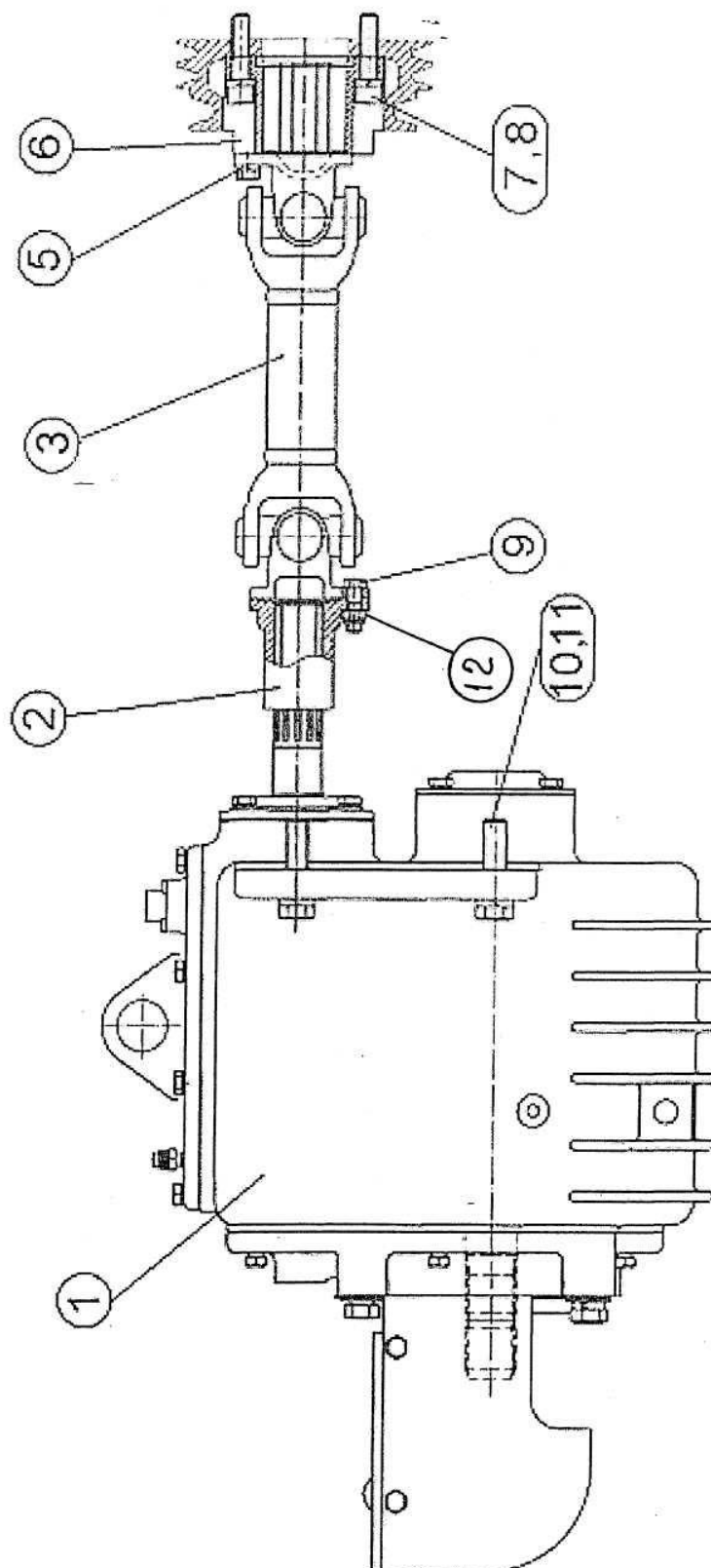


Fig. 42.3 Front PTO

Group 42 Power take-off
Subgroup 4209. Front PTO

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
42.3		1522-4209010	1	Front power take-off shaft assy
	1	1522-4209025	1	Gear unit
	2	1522-4209017	1	Flange
	3	1522-4209015-01	1	Shaft
	5		4	Washer 10 OT OST 37.001.115-75
	6	1522-4209018	1	Spacer
	7		6	Screw M12-6gx50.68.019 GOST 11738-84
	8		6	Washer 12 OT OST 37.001.115-75
	9	52-2203012	8	Bolt
	10		4	Bolt M16-6gx60.88.35.019 GOST 7795-70
	11		4	Washer 16 OT OST 37.001.115-75
	12		4	Nut M10h1-8DIN ENISO 10511-98

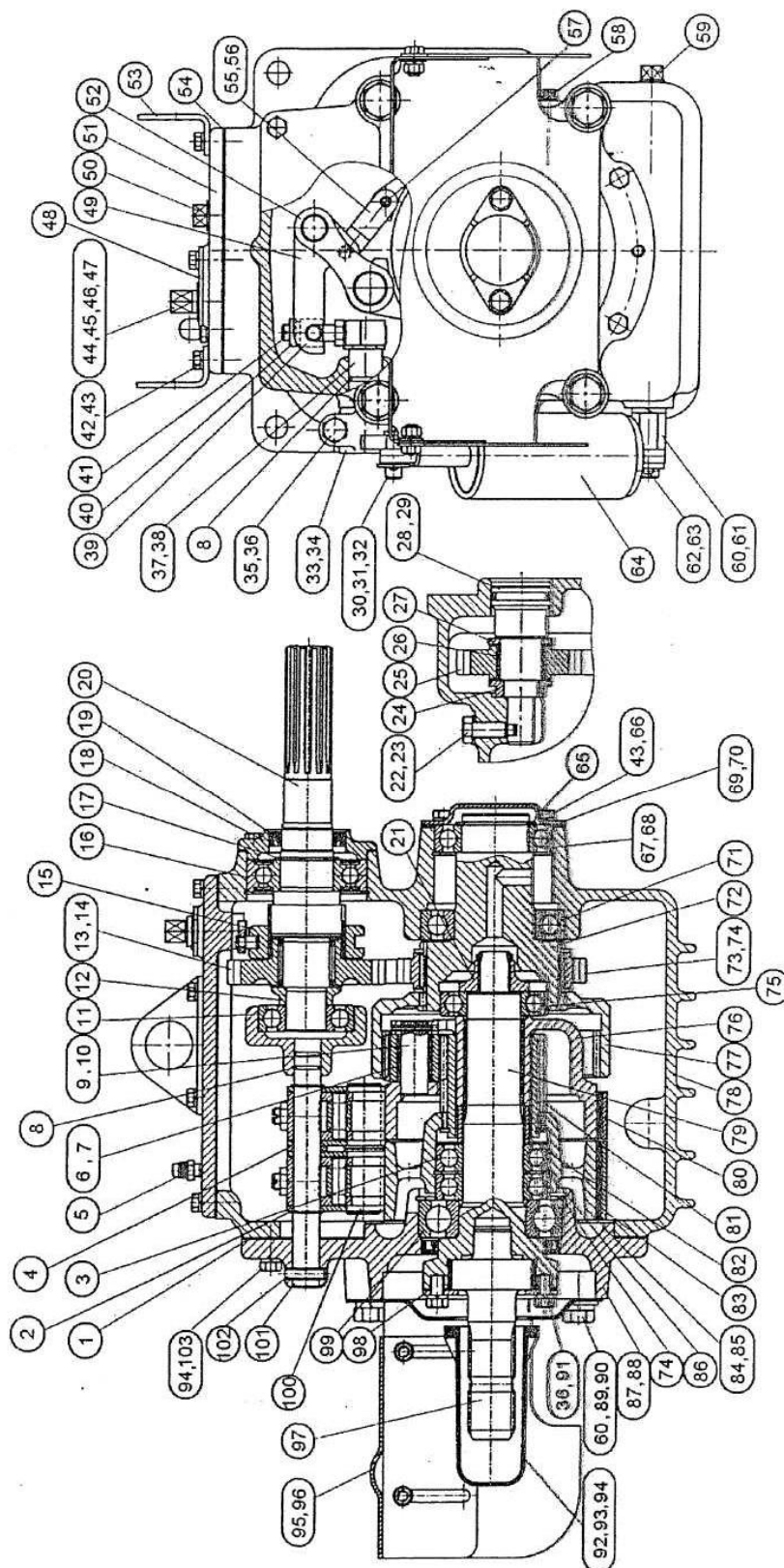


Fig. 42.4 Front PTO gear unit

**Group 42 Power take-off
Subgroup 4209 Front PTO gear unit**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
42.4		1522-4209025	1	Gear unit assy
		1521-4209065	1	Lever (30, 33-34)
		1522-4209080	2	Lever (39-41,49)
		1521 -4209085	1	Lever (44-46)
	1	1521-4209042	1	Gasket
	2		2	Ring S 20 GOST 13940-86
	3		2	Bearing 209A GOST 8338-75
	4	1521-4209076	1	Bushing
	5	«MINTOR» TSSOG – 1/8"	1	Breather
	6	70-4202024	3	Planet pinion
	7		3	Bearing KK20h26h34E
	8		1	Ring 021-025-25-1-4 GOST 18829-73/GOST 9833-73
	9	70-4202026	3	Planet pinion axle
	10		3	Dowel 4hZ0.65G
	11		1	Bearing 6-180306A1 US 23 GOST 8882-75
	12	1521-4209031	1	Washer
	13	1521-4209028	1	Gear
	14		2	Bearing 464607E
	15	1521-4209029	1	Bushing
	16		1	Bearing 180308AC23 GOST 8882-75
	17		1	Ring 2S 40 GOST 13940-86
	18	1522-4209061	1	Cover
	19		1	Collar 2.2-38x58-1 GOST 8752-79
	20	1522-4209027	1	Shaft
	21	70-4202083-A	2	Nut
	22	50-1702046-A	1	Bolt
	23	1521-4209044	1	Washer
	24	1521-4209034	1	Bushing
	25	1521-4209033	1	Gear
	26		1	Bearing 3KK35h43h35E
	27	1521-4209036	1	Washer
	28	1521-4209032	1	Axle
	29		1	Ring 038-046-46-1-4 GOST 18829-73/GOST 9833-73
	30		1	Pin 12x32 OST 37.001.163-75
	31		1	Split pin 3,2x18.019 GOST 397-79
	32			Washer S12.01.019 GOST 11371-78
	33	50-3503063	1	Hub
	34	1521-4209066	1	Plate
	35		1	Bolt M12-6gx35.88.35.019 GOST 7796-70
	36		1	Washer 12 OT OST 37.001.115-75
	37	1521-4209040	1	Lever
	38	SSH6h11	1	Key
	39	1522-4209084	2	Nut
	40	1522-4209082	2	Pin

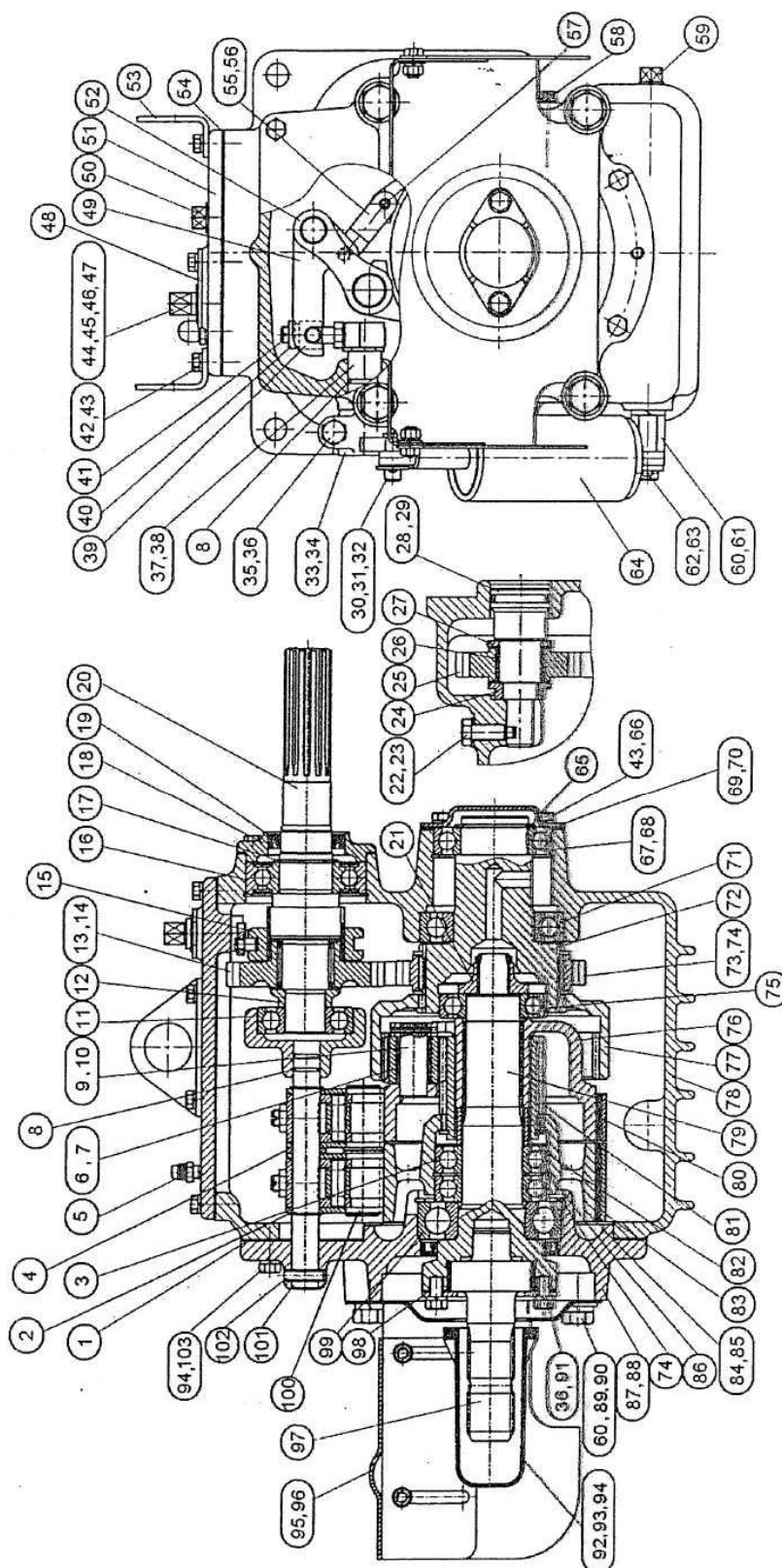


Fig. 42.4 Front PTO gear unit

**Group 42 Power take-off
Subgroup 4209 Front PTO gear unit**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
42.4	41	1522-4209083	2	Screw
	42		14	Bolt M8-6gx25.88.35.019 GOST 7796-70
	43		18	Washer 8 T OST 37.001.115-75
	44	1521-4209086	1	Shaft
	45	1521-4209087	1	Plate
	46	70-1601114	1	Dowel
	47		1	Ring 017-022-30-1-4 GOST 18829-73/GOST 9833-73
	48	1521-4209056	1	Plate
	49	1521-4209081	2	Lever
	50	PK KG 3/4"	1	Plug
	51	1522-4209057	1	Cover
	52	2522-4209149	4	Buckle
	53	80-4608073	2	Bracket
	54	1522-4209041	1	Gasket
	55	1521-4209078	2	Buckle
	56		1	Dowel 2.10x35.019 TS9 hr. GOST 3128-70
	57	SHTSK8hZ6	1	Dowel
	58		1	Plug KG 1/8" A 12.019 TU 23.1.506-91

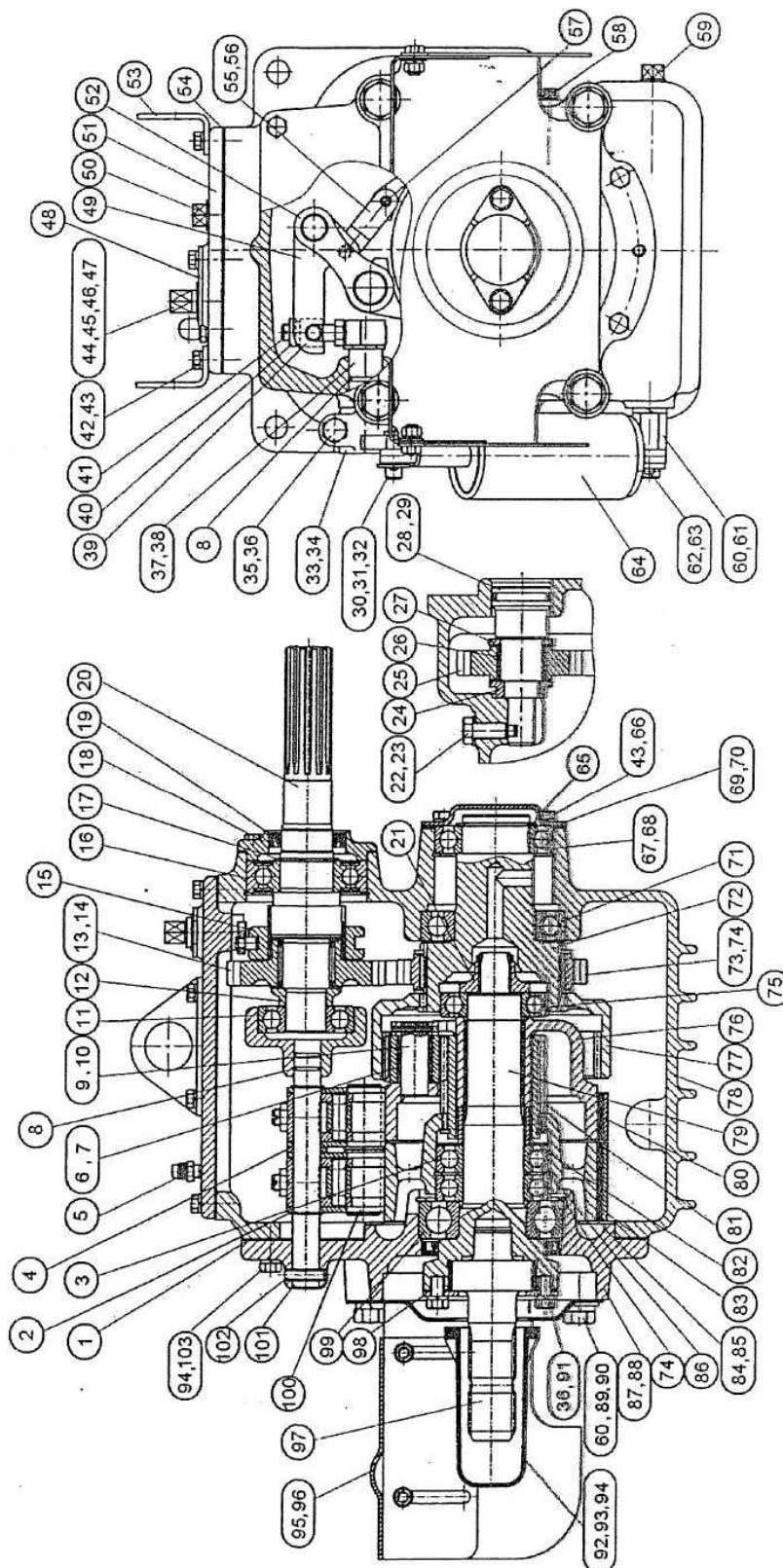


Fig. 42.4 Front PTO gear unit

Group 42 Power take-off
Subgroup 4209 Gear unit of front PTO

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
42.4	59	PK KG 3/8"	1	Plug
	60		5	Washer 16 OT OST 37.001.115-75
	61	1521-4209037	1	Bolt
	62		1	Split pin 4h36.019 GOST 397-79
	63		1	Washer S16.01.019 GOST 11371-78
	64	80-4216100	1	Cylinder
	65		2	Ring 2S 50 GOST 13940-86
	66		4	Bolt M8-6gx20.88.35.019 GOST 7796-70
	67		1	Bearing 210AUSH1 GOST 8338-75
	68		2	Rings 2S 90 GOST 13941-86
	69	1521-4209038	1	Cover
	70	1521-4209039	2	Gasket
	71		1	Bearing 212 AUSH1 GOST 8338-75
	72	1522-4209046	1	Shaft
	73	1521-4209047	1	Gear
	74		3	Ring 2S 110 GOST 13941 -86
	75		1	Bearing 208A GOST 8338-75
	76	85-4202065	1	Carrier
	77	70-4202043	1	Crown gear
	78	1522-4209026	1	Housing
	79	80-4202017-B	1	Shaft
	80	2522-4209125-01	1	Band
	81	70-4202032	1	Sun gear
	82	70-4202077	1	Bushing
	83	2522-4209125	1	Band
	84	85-4202033	1	Drum
	85		1	Ring 2S 68 GOST 13940-86
	86		1	Ring 2S 85 GOST 13940-86
	87	1521-4209071	1	Cover
	88		1	Collar 2.2-80H 105-1 GOST 8752-79
	89		4	BoltM16-6dh32.88.35.019 GOST 7796-70
	90		2	Washer S16.01.019 GOST 6958-78
	91		7	Bolt M10-6gh18.88.35.019 GOST 7796-70
	92	50-4202065-A	1	Cap
	93		2	Bolt M8-6gh16.88.35.019 GOST 7796-70
	94		11	Washer 10 OT OST 37.001.115-75
	95	Ø70-4202140	1	Guard
	96		4	Washer C8.01.019 GOST 11371 -78
	97	80-4202019-B-02	1	Shaft end
	98	80-4202081-A	1	Plate
	99		1	Bearing 60310A GOST 8882-75
	100	2522-4209148	2	Pin
	101	1521-4209072	1	Axle
	102		1	Dowel A8hZ0.65G chem. phosph. oil. GOST 14229-93
	103		6	Bolt M10-6gx25.88.35.019 GOST 7796-70

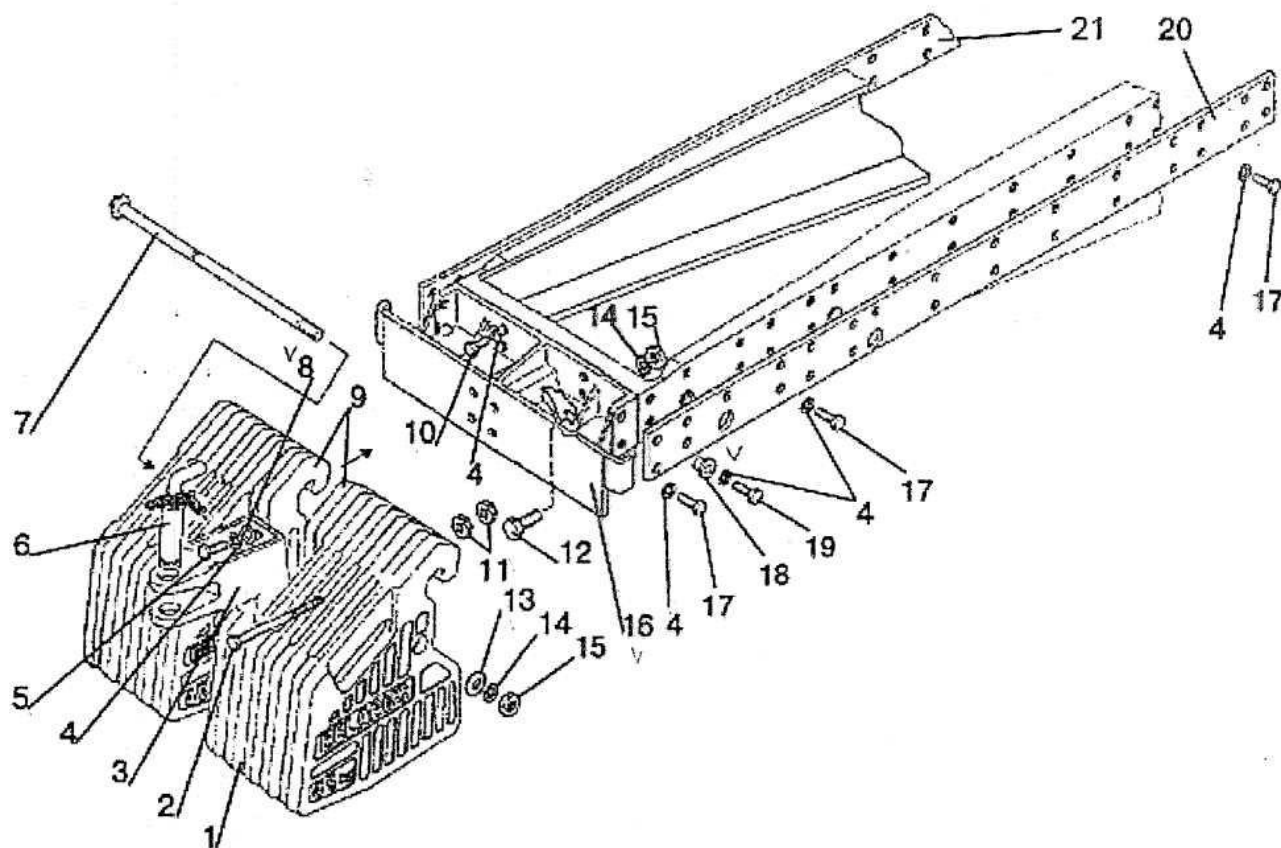


Fig. 42.5 Ballast

Group 42. Power take-off
Subgroup 4235. Ballast

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
42.5	1	80-4235011-A	8	Weight 45 kg
	2	1025-4235012	2	Bolt
	3	85-4235025-B	1	Eye
	4		46	Washer 16 OT OST 37.001.115-75
	5		2	Bolt M16-6gh45.88.35.019 GOST 7796-70
	6	70-4235030	1	Pin
	7	1025-4235015-01	1	Cord
	8		2	Washer S.16.01.019 GOST 11371-79
	9	1521-4235011-A	2	Weight 40 kg
	10		4	Bolt M16-6gh40.88.35.019 GOST 7796-70
	11		4	Nut M18-6N.6.019 GOST 5915-70
	12	70-4605036	2	Bolt
	13	40-3502084	1	Washer
	14		3	Washer 20 OT OST 37.001.115-75
	15		3	Nut M20-6N.6.019 GOST 5915-70
	16	1521-4235020	1	Bracket
	17		38	Bolt M16-6gh50.88.35.019 GOST 7796-70
	18	1521-4535029	2	Bushing
	19		2	Bolt M16-6gh60.88.35.019 GOST 7795-70
	20	1222-4235012	1	Left plate
	21	1222-4235013	1	Right plate

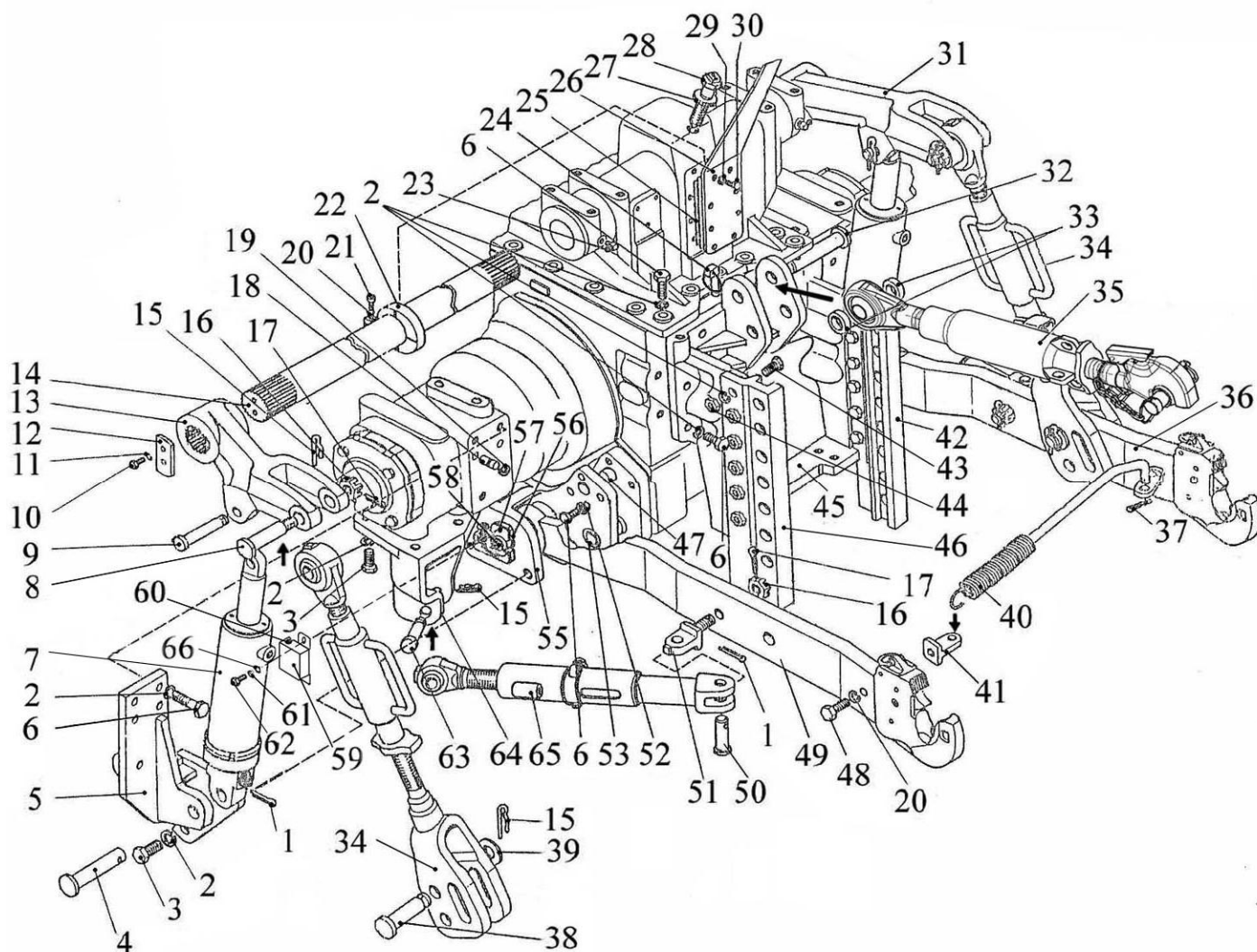


Fig. 46.1 Lift linkage

Group 46. Remote-control hydraulic system
Subgroup 4605. Lift linkage

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.1		1522-4605010	1	Lift linkage
		1522-4605010-01	1	Lift linkage
	1	5h45.019 GOST 397-79	4	Split pin
	2	20 OT OST 37.001.115-75	30	Washer
	3	680-2707024	12	Bolt
	4	1522-4605009	2	Pin
	5	1522-4605016	1	Left bracket
		1522-4605016-01	1	Right bracket
	6	70-4605036	24	Bolt
	7	4600.06	2	Cylinder TS90h50x250
	8	1522-4605008	2	Pin
	9	1522-4605037	2	Pin
	10	M12-6gh25.88.35.019 GOST 7796-70	4	Bolt
	11	12 OT OST 37.001.115-75	4	Washer
	12	1522-4605024	2	Washer
	13	1522-4605021	1	Left lever
	14	1522-4605023	1	Shaft
	15	A61.07.001	6	Split pin
	16	A04.02.020	4	Nut
	17	5h45.019 GOST 397-79	4	Split pin
	18	50-4605027	4	Dowel
	19	54.38.619	4	Locking ring
	20	10 OT OST 37.001.115-75	7	Washer (Bosch system)
	21	M10-6gh45.56.019 GOST 11738-84	1	Screw(Bosch system)
	22	1522-4605025 574802	1	Drive cam (Bosch system) Cam K-01 LBIE.305654.005 (Izmeritel system)
	23	2.3.90 TS6hr. GOST 19853-74	2	Oiler
	24	A61.05.100-05	1	Cotter key
	25	1522-2401028	1	Gasket
	26	1522-4605170	1	Bracket
	27	1522-4605149	1	Nut
	28	576212 574801	1	Positional sensor R917001941 (Bosch system) Position sensor DP-01 (Izmeritel system)
	29	8T OST 37.001.115-75	8	Washer
	30	M8-6gh25.88.35.019 GOST 7796-70	8	Bolt
	31	1522-4605021-01	1	Right lever
	32	1522-4605036	1	Pin
	33	1522-4605091	2	Bushing
	34	1522-4605060	2	Lifting rod
	35	1522-4605090-B 1522-4605090-B-01	1	Upper link (with Walterscheid hook, 3 cat.) Upper link (with pivot)
	36	1522-4605030 1522-4605230 1522-4605030-01	1	Right link (with Walterscheid hook, 3cat.) Right link (with MTZ, 3cat.) Link (with pivot)

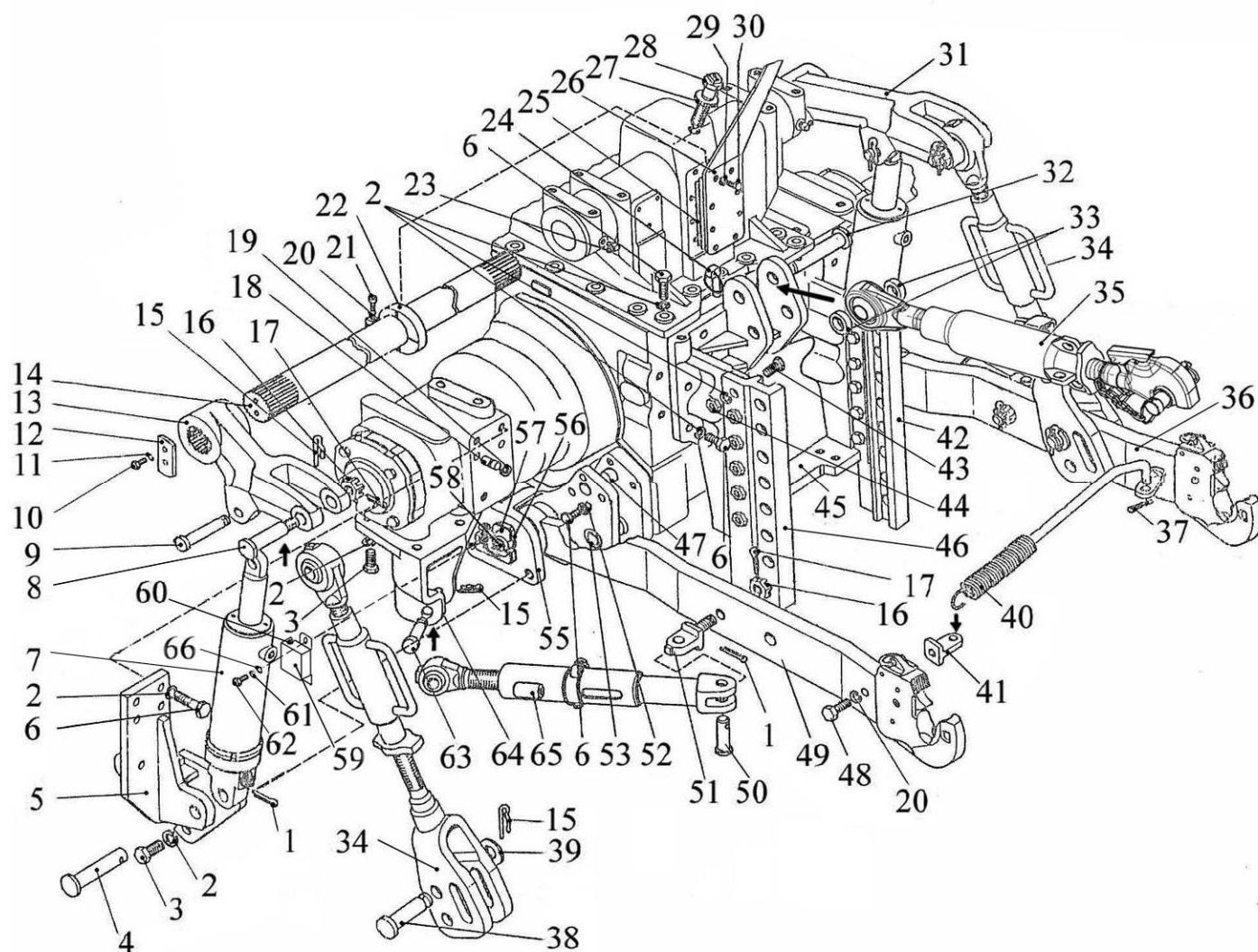


Fig. 46.1 Lift linkage

Group 46. Remote-control hydraulic system
Subgroup 4605. Lift linkage

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.2	37	3,2h25.019 GOST 397-79	1	Split pin
	38	1522-4605033	2	Pin
	39	1522-4605032	2	Washer
	40	576214	1	Link rod Walterscheid 090243
	41	1522-4605038	2	Eye
	42	2022-2707062-01	1	Right guide
	43	1522-2707149-01	12	Bolt
	44	M20h1,5-6N.04.019 GOST 15522-70	12	Nut
	45	1522-2707061-B	1	Bracket
	46	2022-2707062	1	Left guide
	47	1220-4605507	2	Dowel
	48	M10-6gh50.88.35.019 GOST 7795-70	2	Bolt
	49	1522-4605035 1522-4605230-01 1522-4605030-01	1	Left link (with Walterscheid hook, 3 cat.) Left link (with MTZ hook, 3 cat.) Link (with pivot)
	50	1522-4605121	2	Pin
	51	1522-4605034	2	Eye
	52	16 OT OST 37.001.115-75	8	Washer
	53	1522-4605039	2	Bushing
	55	2022-4605011-A 2022-4605011-A-01	1 1	Left bracket Right bracket
	56	1522-4605701	2	Clip
	57	1522-4605702	4	Bushing
	58	576313 574800	2	Power sensor R91700165 (Bosch system) Force sensor DU-03-60 TU RB (Izmeritel system)
	59	1522-4605006	2	Cover
	60	70-3723042-01	2	Bushing
	61	10 OT OST 37.001.115-75	4	Washer
	62	M10-6gh35.56.019 GOST 11738-84	4	Screw
	63	1220-4605084-01	2	Pin
	64	2022-4605012 2022-4605012-01	1 1	Left bracket Right bracket
	65	1522-4605120	2	Buckle
	66	C 10.01.019 GOST 11371-78	4	Washer

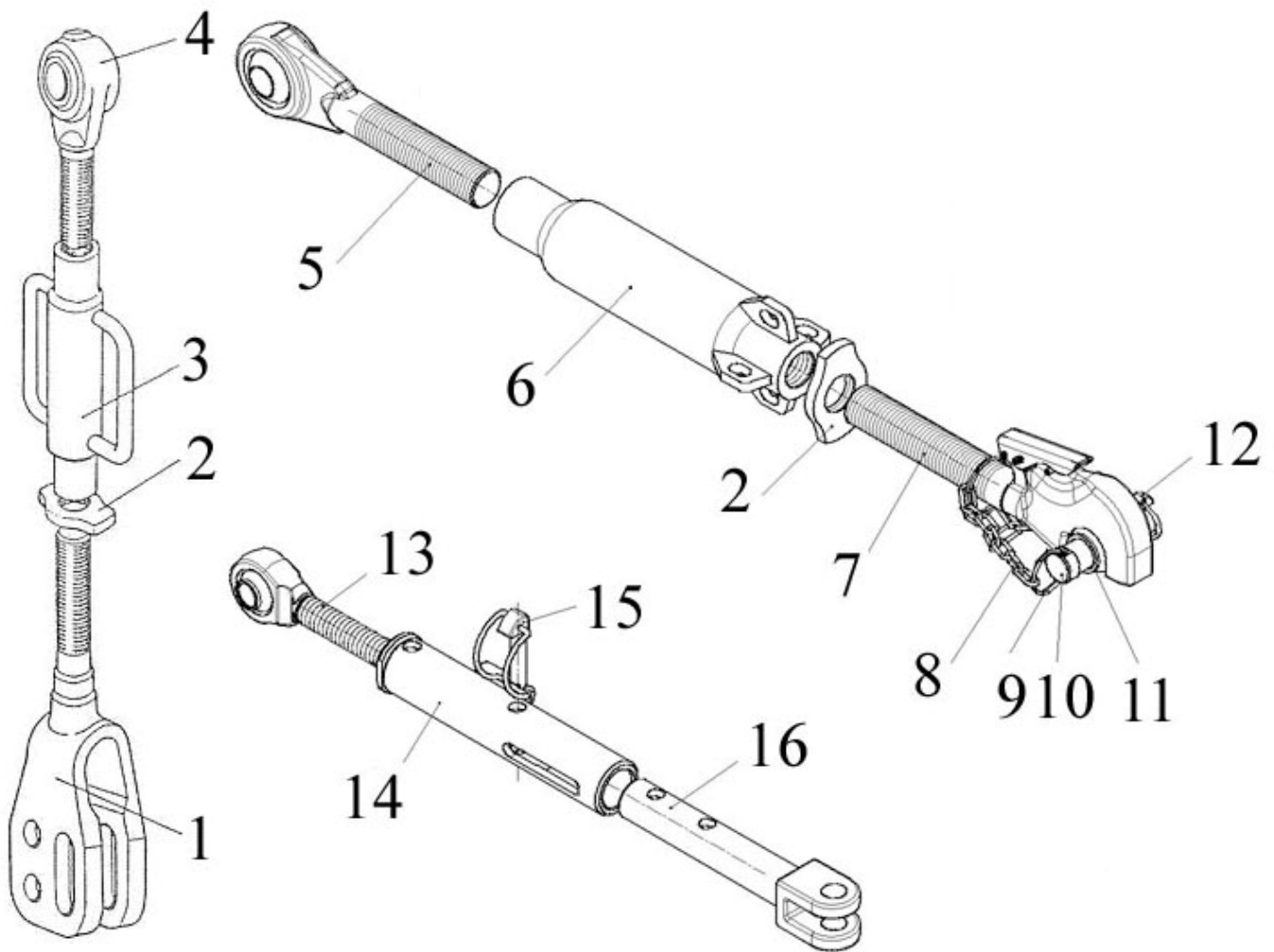


Fig. 46.2 Units and elements of lift linkage

BELARUS

1523.5

**Group 46. Remote-control hydraulic system
Subgroup 4605. Units and elements of lift linkage**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.2		1522-4605060		Lifting rod (1-4)
	1	1522-4605080	1	Yoke
	2	1522-4605071	1	Locknut
	3	1522-4605075	1	Pipe
	4	1522-4605065	1	Screw
		1522-4605090-B/090-B-01		Upper link (5-12)
	2	1522-4605071	1	Locknut
	5	1522-4605065-01	1	Screw
	6	3022-4606215	1	Pipe
	7	1522-4605100 1522-4605065-02	1	Hook (screw with hook Walterscheid) Screw (with pivot)
	8	A61.08.001	1	Chain
	9	A61.03.002	1	Ring
	10	1220-4605593	1	Pin
	11	W1522-4605556	1	Pivot joint
	12	A61.05.100	1	Cotter key
		1522-4605120		Buckle (13-16)
	13	1522-4605125	1	Screw
	14	1522-4605130	1	Guide
	15	1522-4605140	1	Cotter key
	16	1522-4605135	1	Slider

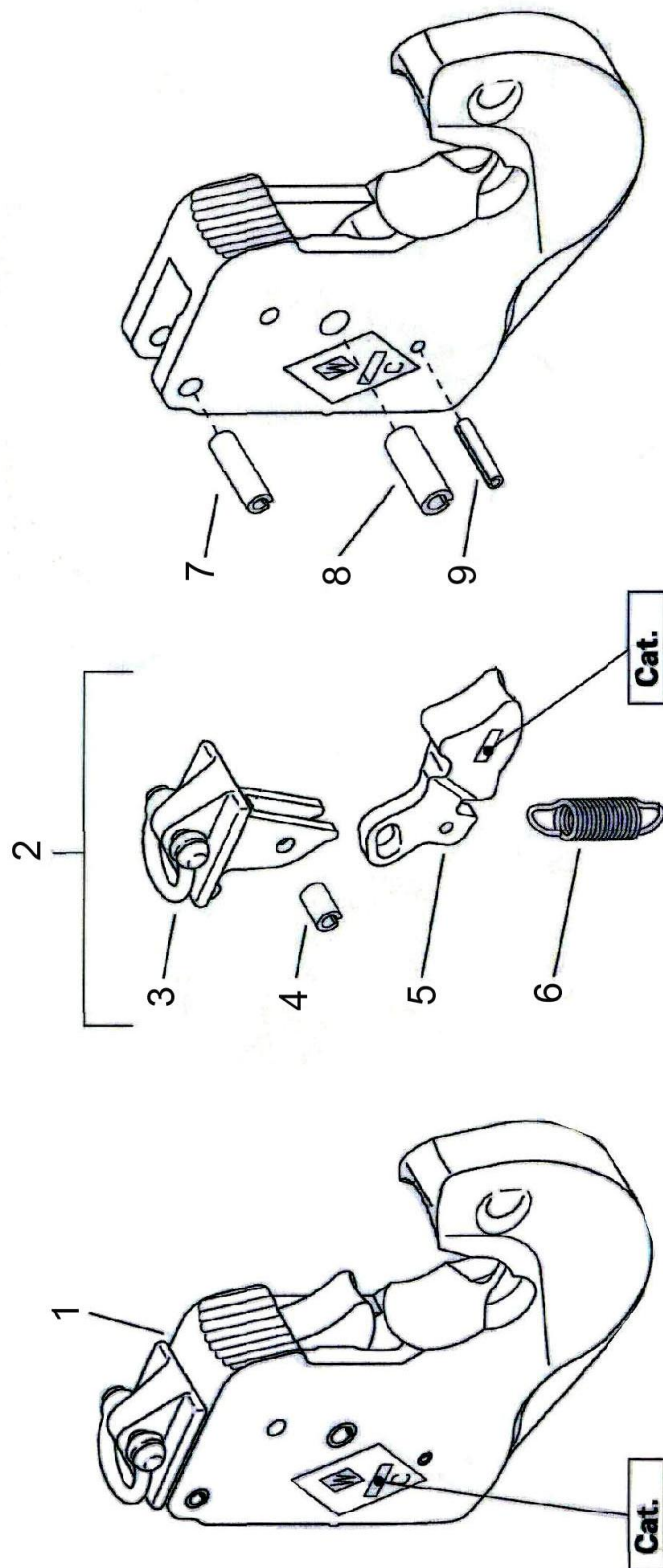


Fig. 46.3 Walterscheid hook

Group 46. Hydraulic lift linkage
Subgroup 4605. Hook "Waterscheid"

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.3	1	574935	1	Lower hook 204592
	2	506619	1	Latch kit S 200002
	3	506621	1	Drive mechanism cover 200030
	4	506627	1	Spring dowel 8h18 309988
	5	506626	1	Latch S 308578
	6	506625	1	Spring 308524
	7	506624	1	Spring dowel 10h36 308520
	8	506630	1	Spring dowel 13h36 099599
	9	506629	1	Spring dowel 6h32 099435

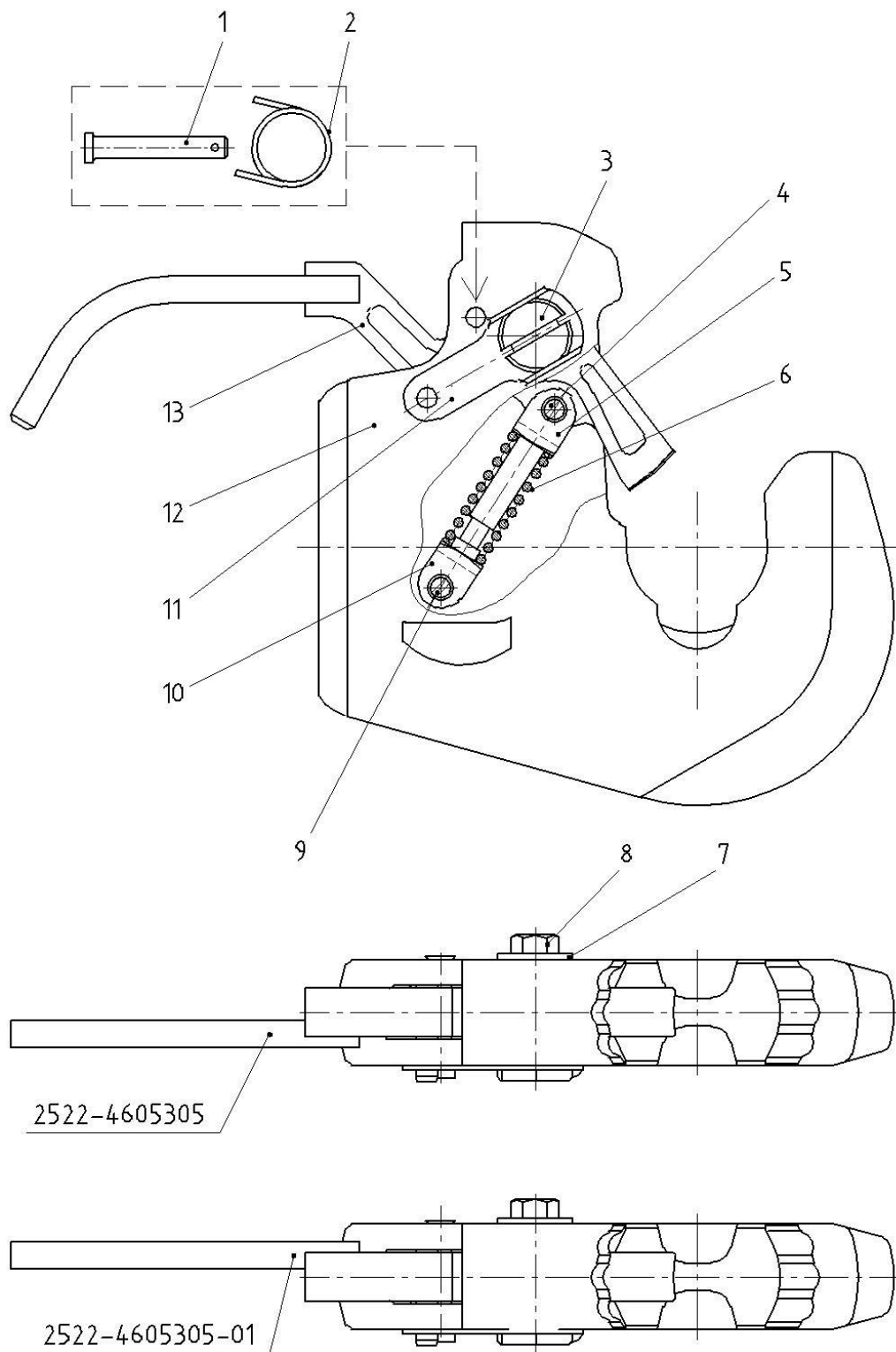


Fig. 46.4 MTZ hook

Group 46. Hydraulic lift linkage
Subgroup 4605. Hook 2522-4605300/-01 MTZ cat.3

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.4	1	2522-4605053	1	Pin
	2	A61.05.004	1	Ring
	3	2522-4605321	1	Axle
	4	2522-4605309	1	Axle
	5	2522-4605316	1	Yoke
	6	2522-4605308	1	Spring
	7	S12.01.019 GOST11371-78	1	Washer
	8	M12-6gx20.88.35.019 GOST 7796-70	1	Bolt
	9	2522-4605317	1	Pin
	10	2522-4605306	1	Yoke
	11	2522-4605320	1	Stop member
	12	2522-4605310	1	Hook housing
	13	2522-4605305/305-01	1	Detent

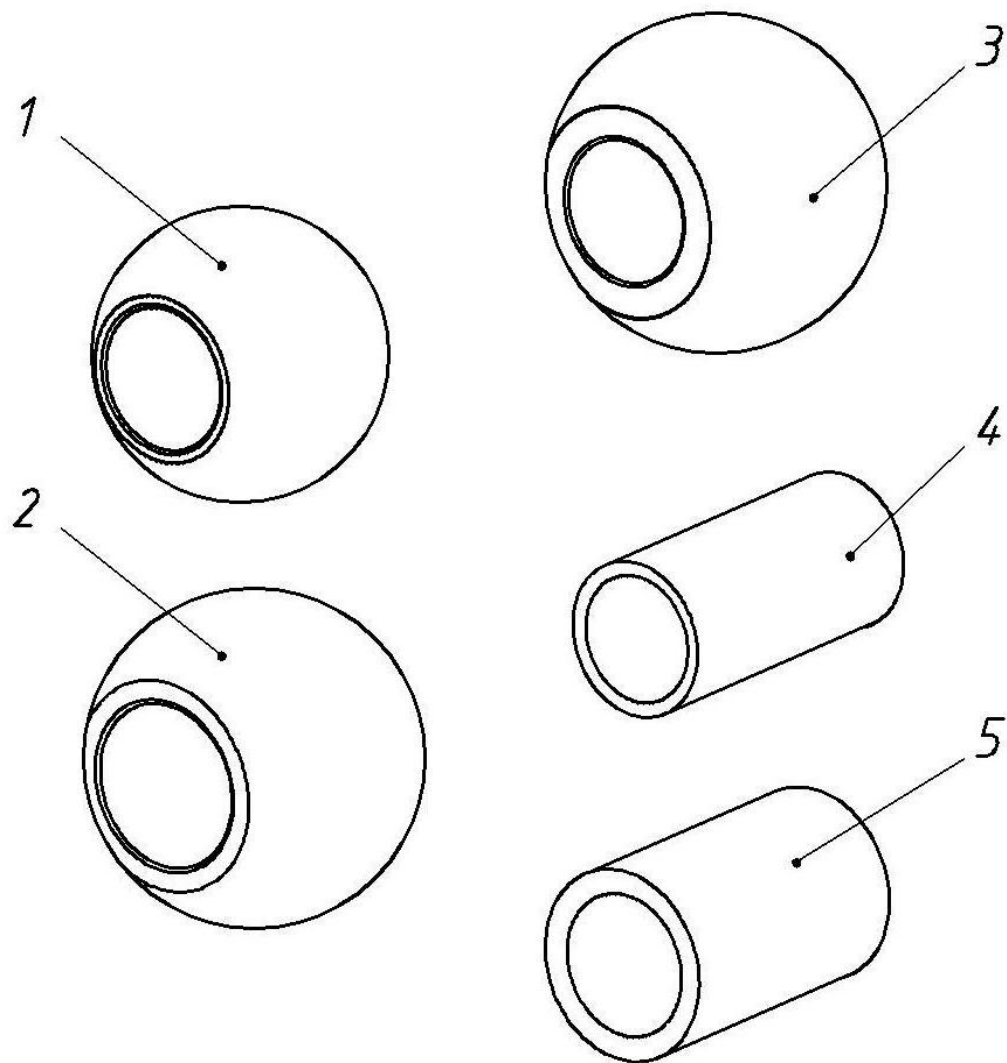
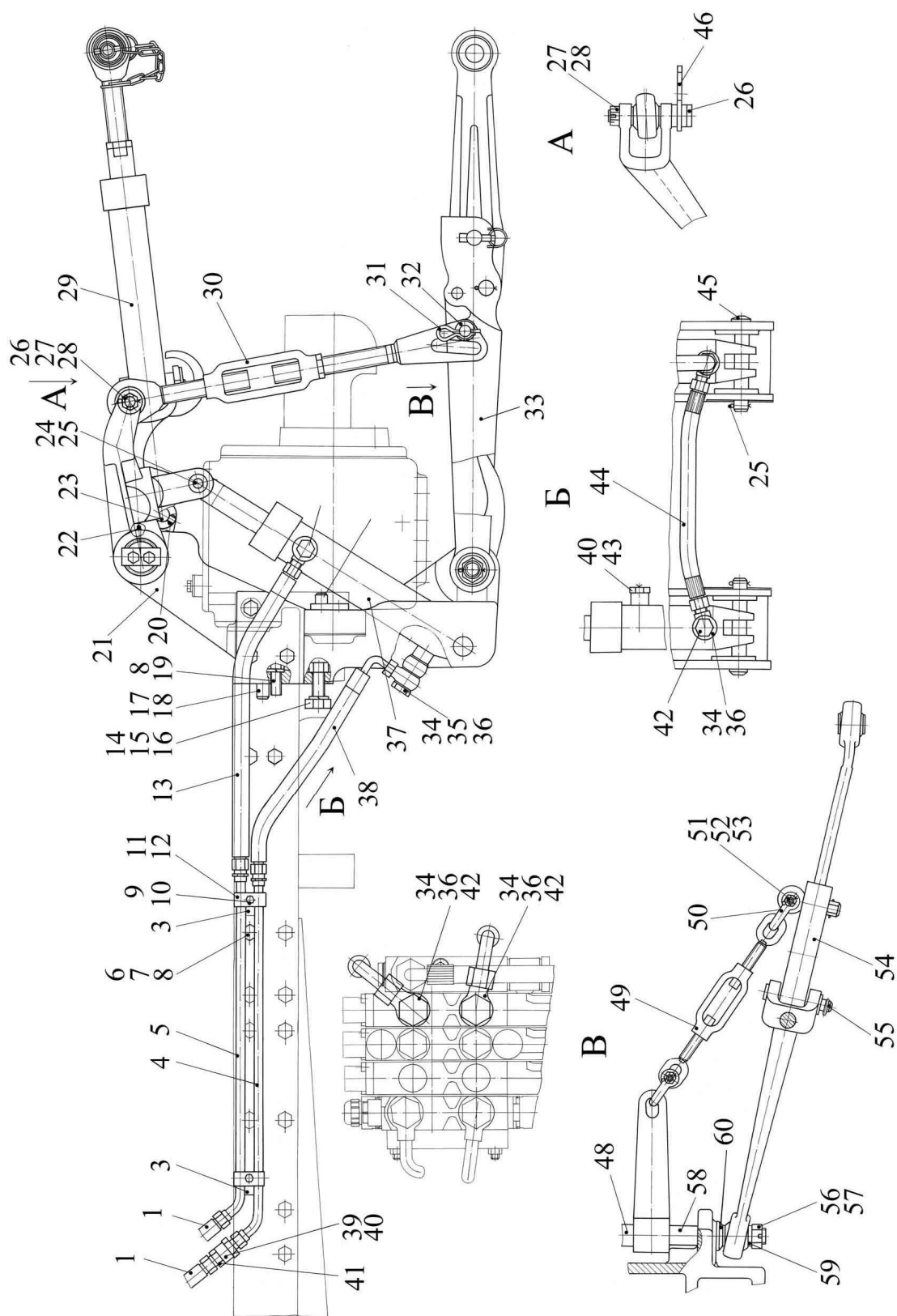


Fig. 46.5 Pivot joints and transition elements

Group 46. Hydraulic lift linkage
Subgroup 4605. Pivot joints and transition elements

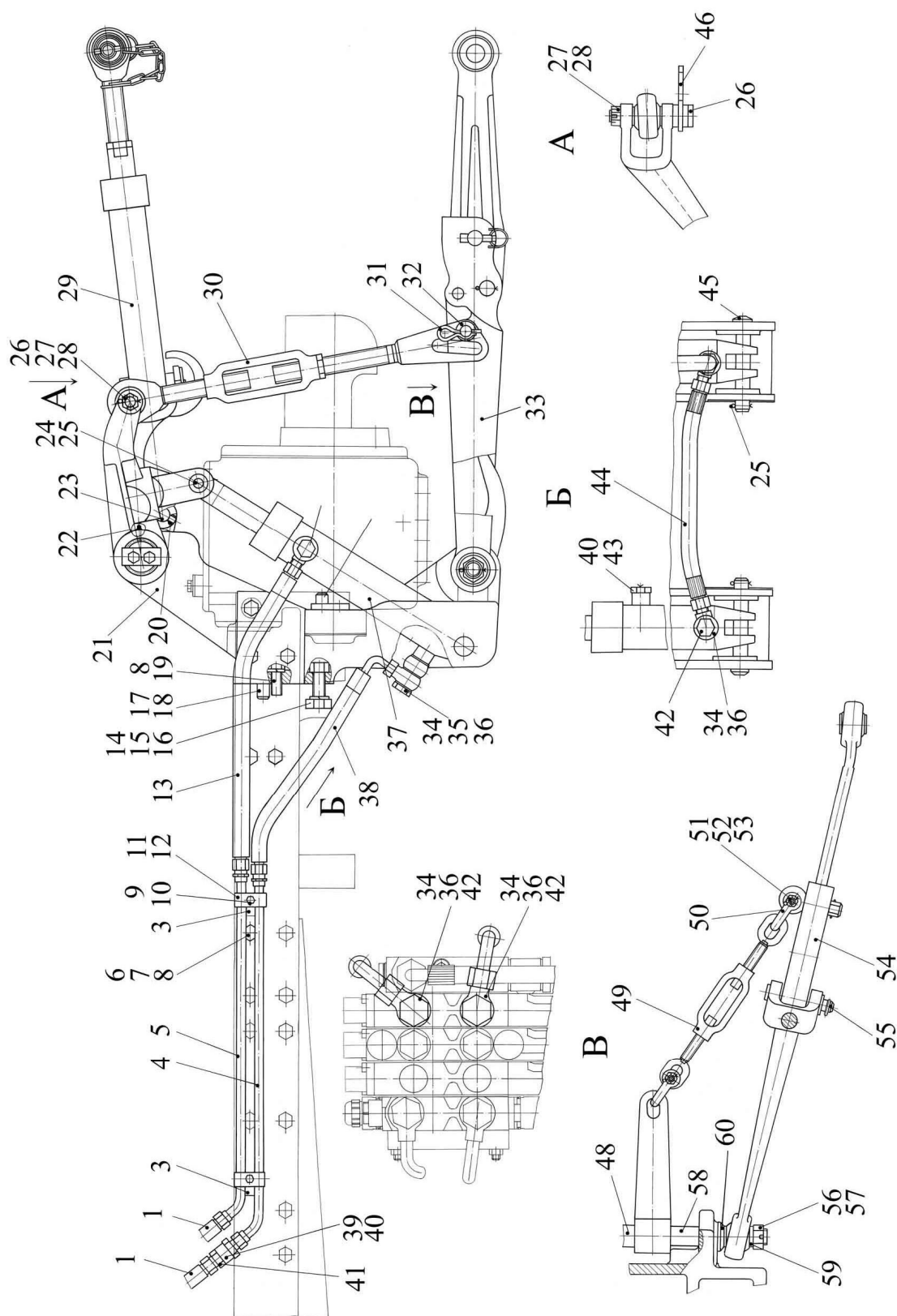
Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.5	1	80-4605693	1	Pivot joint cat. 2 FLL
	2	W1522-4605558	1	Pivot joint cat. 3 RLL (for links wth Walterscheid and MTZ hooks)
	3	W1522-4605558-01	1	Adapter pivot joint from cat. 3 to cat. 2 (for links wth Walterscheid and MTZ hooks)
	4	1220-4605557-01	1	Adapter bushing from cat. 3 to cat. 2 (for upper link 1522-4605090-B-01)
	5	1220-4605558	1	Adapter bushing from cat. 3 to cat. 2 (for links 1522-4605030-01)



Ris 46.6 Front lift linkage

Group 46. Hydraulic lift linkage
Subgroup 4606. Front lift linkage

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.6		1220-4606010-01		Front lift linkage (1-60)
	1	680-4607140-07	2	High-pressure hose Ø10h1 armored
	3	80-4607554	2	Bracket
	4	1522-4606550-01	1	Pipe
	5	1522-4606550	1	Pipe
	6	M16-6gx50.88.35.019 GOST 7796-70	2	Bolt
	7	M16-6N.6.019 GOST 5915-70	1	Nut
	8	16 OT OST 37.001.115-75	10	Washer
	9	M8-6gx35.88.35.019 GOST 7796-70	2	Bolt
	10	8T OST 37.001.115-75	2	Washer
	11	70-3407146	2	Strip
	12	70-3506027	4	Bushing
	13	N.036.83.140	1	High-pressure hose Ø12,5x2 armored
	14	70-4605036	2	Bolt
	15	M20-6N.6.019 GOST 5915-70	2	Nut
	16	20 OT OST 37.001.115-75	2	Washer
	17	50-4605027	4	Dowel
	18	54.38.619	4	Locking ring
	19	M16-6gx45.88.35.019 GOST 7796-70	8	Bolt
	20	A.8H45.65G GOST 14229-93	1	Dowel
	21	1220-4606110	1	Bracket
	22	1.3.TS9.hr GOST 19853-74	2	Oiler
	23	1220-4606014	1	Axle
	24	680-4605037	2	Pin
	25	5x36.019 GOST 397-79	4	Split pin
	26	50-4605076	2	Pin
	27	70-3003032	2	Nut
	28	4x36.019 GOST 397-79	2	Split pin
	29	1220-4606040-A	1	Link (upper)
	30	1220-4506150	2	Lifting rod
	31	A61.07.001	2	Split pin
	32	S18.01.08кр.019 GOST 11371-78	2	Washer
	33	50-4605030-AZ-03	1	Link
	34	40-4607038-A	11	Washer
	35	S80-4607332	1	Bolt
	36	530-4614029	6	Angle piece
	37	HL-TS63h200-3	2	Hydraulic cylinder TS63h40h200
	38	680-4607140-05	1	High-pressure hose Ø10h1 armored
	39	K1221-4607023	1	Fitting
	40	017-022-30-1-4 GOST 18829-73 GOST 9833-73	1	Ring
	41	N.036.65.000 A2-02	1	Slowing-down valve
	42	40-4607032	4	Clamp bolt



Ris 46.6 Front lift linkage

Group 46. Hydraulic lift linkage
Subgroup 4606. Front lift linkage

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.6	43	N.036.77.000	1	Breather
	44	PN.036.83.010	1	High-pressure hose Ø10h1 armored
	45	680-4605037-01	2	Pin
	46	1220-4606090	1	Detent
	48	50-4605018-B	1	Bushing
	49	50-4605115	2	Buckle
	50	A.61.09.002	2	Eye bar
	51	50-4605086	2	Bolt
	52	M12-6N.04.019 GOST 5919-73	2	Nut
	53	3,2h18.019 GOST 397-79	2	Split pin
	54	50-4605035-A3-03	1	Link
	55	F50-4605084	2	Pin
	56	A04.02.020	2	Nut
	57	5h45.019 GOST 397-79	2	Split pin
	58	70-4605026	1	Axle
	59	70-4605047	2	Bushing
	60	50-4605068-B1	2	Washer

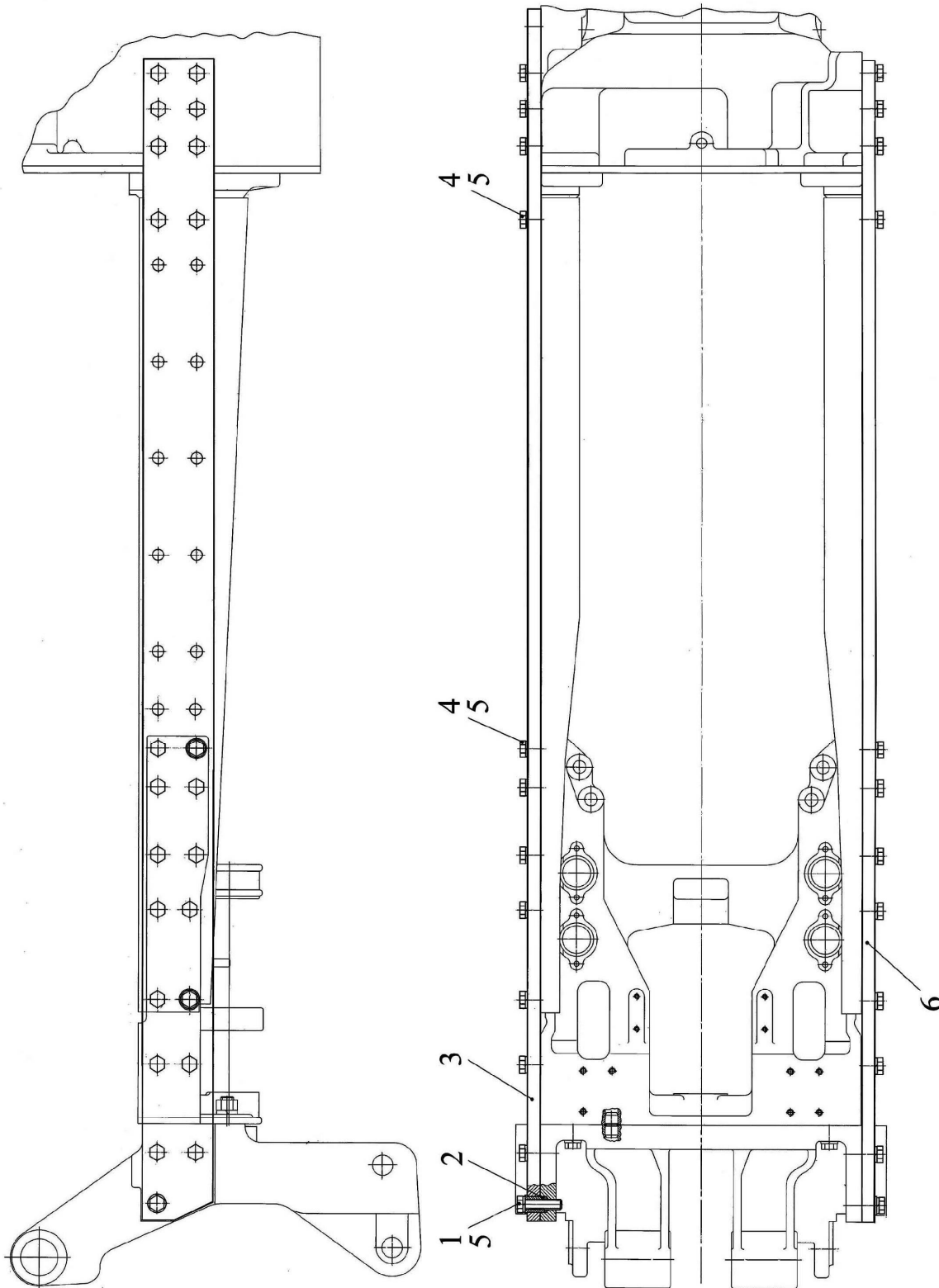


Fig. 46.7 Bracket assembly of front lift linkage

Group 46. Hydraulic lift linkage
Subgroup 4606. Bracket assembly of front lift linkage

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.7		1522-4606005-01		Bracket assembly of front lift linkage (1-6)
	1	M16-6gx60.88.35.019 GOST 7795-70	2	Bolt
	2	1521-4235029	2	Bushing
	3	1220-4606007	1	Right plate
	4	M16-6gx50.88.35.019 GOST 7796-70	40	Bolt
	5	16 OT OST 37.001.115-75	42	Washer
	6	1220-4606006	1	Left plate

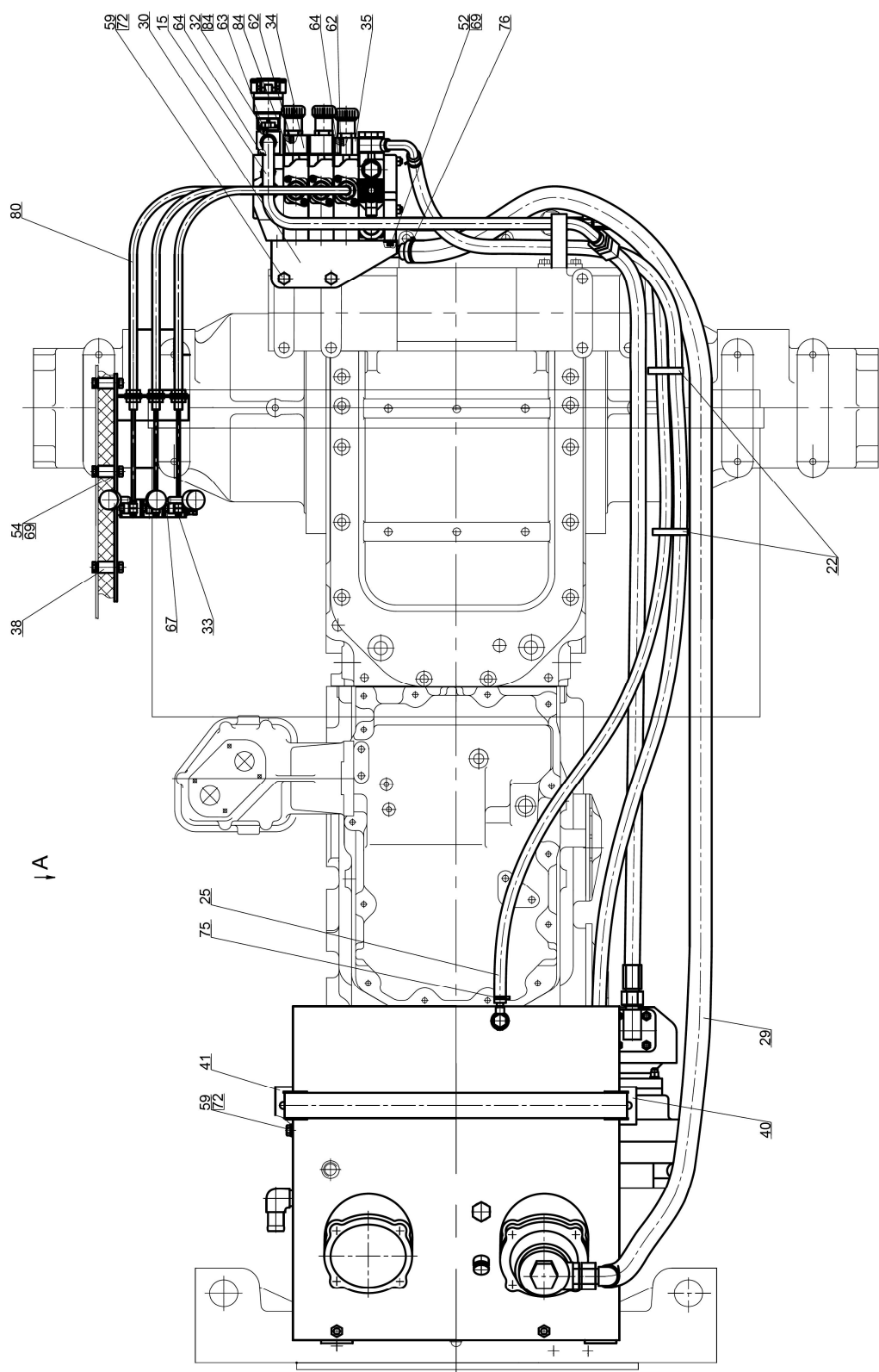


Fig. 46.8 Hydraulic units and fittings

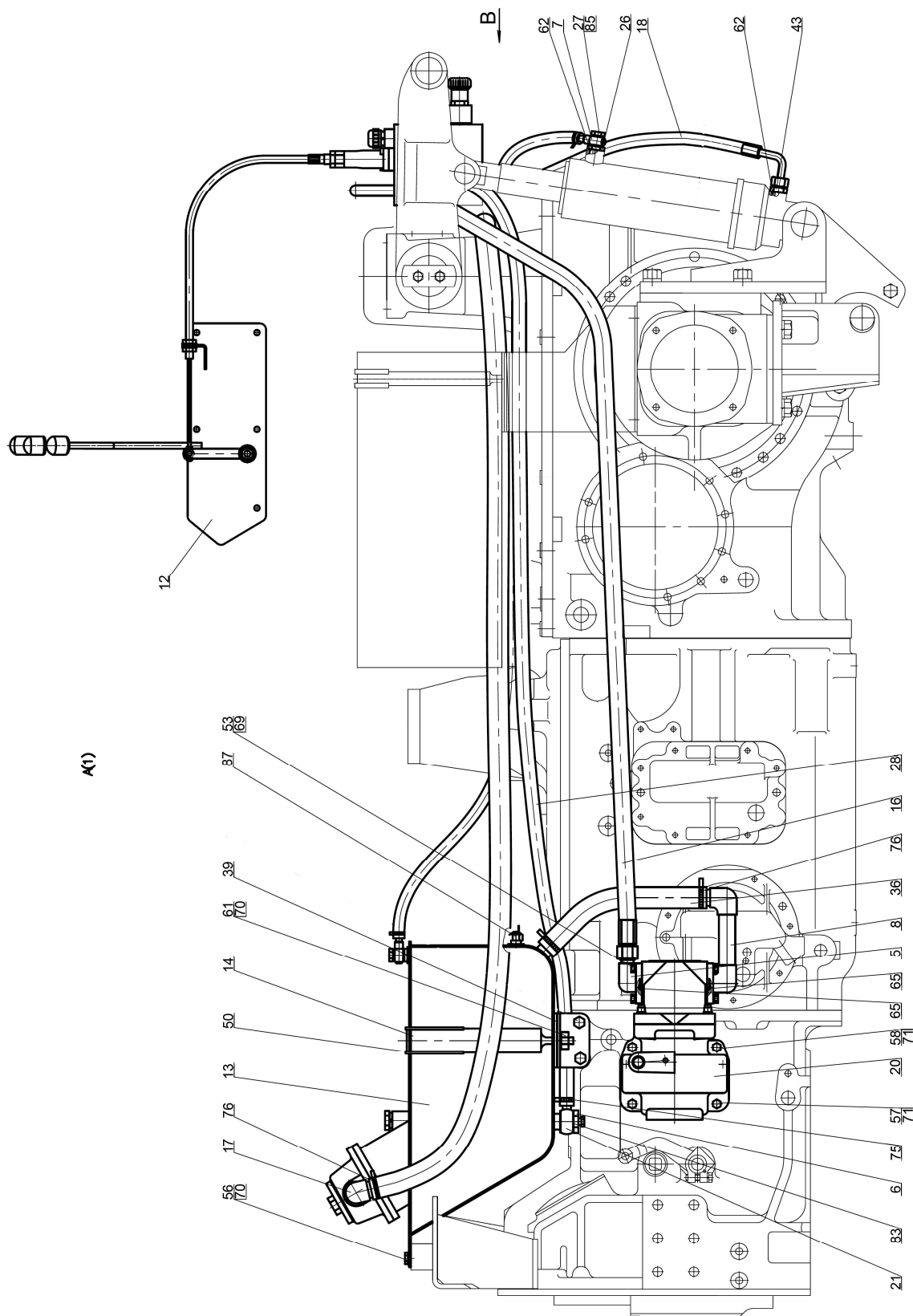


Fig. 46.9 Hydraulic units and fittings

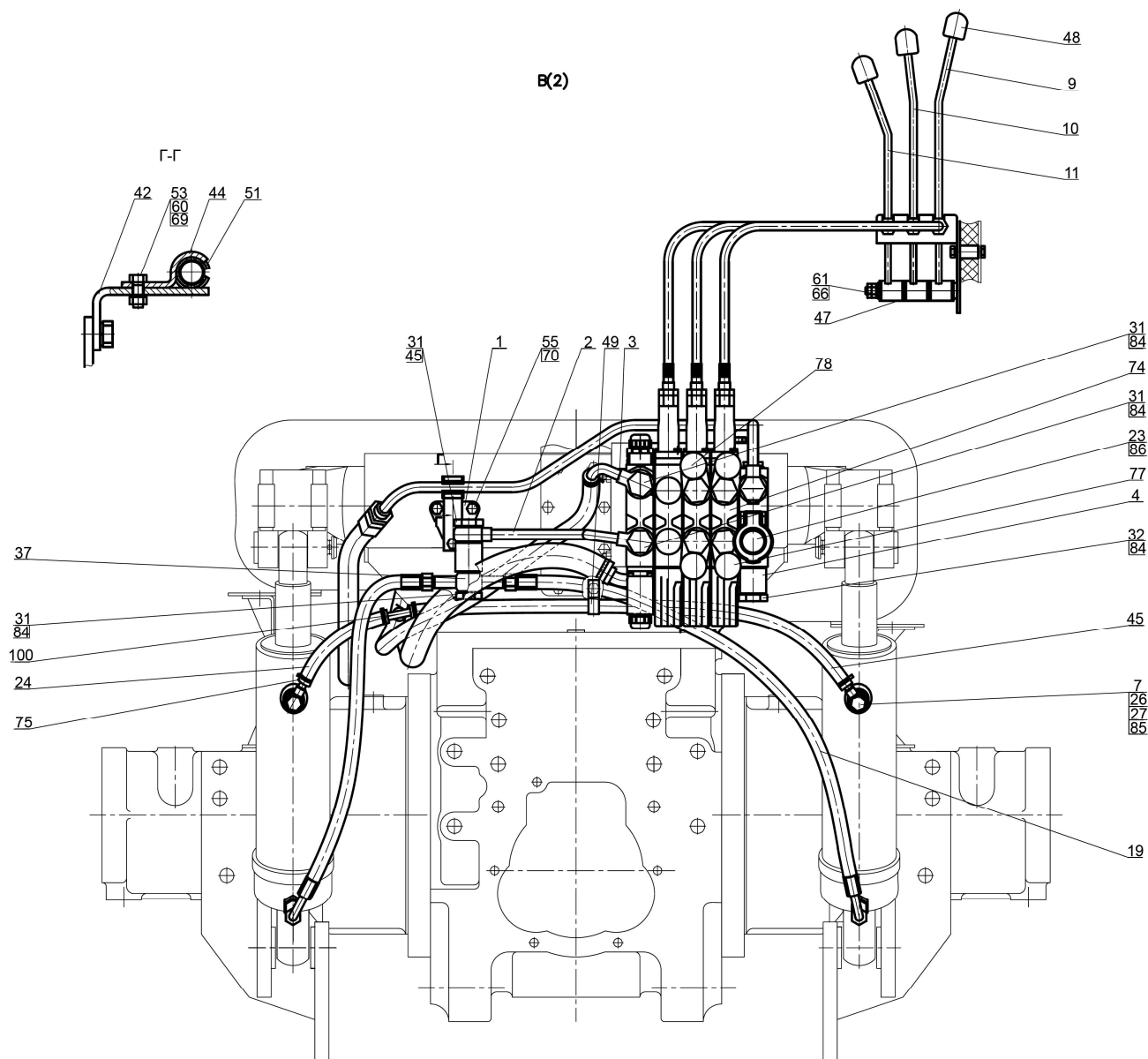


Fig. 46.10 Hydraulic units and fittings

Group 46 Remote-control hydraulic system

Subgroup 4607. Hydraulic units and fittings

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.8		1523-4600010	1	Hydraulic system
46.9	1	1523-4607040	1	Bracket
46.10	2	1523-4607075	1	Pipe
	3	1523-4607150	1	Pipe
	4	1523-4607160	1	Pipe
	5	1522-4607020	1	Connecting pipe
	6	1522-4607070	1	Bolt
	7	F80-3407720	2	Oil pipeline
	8	1522-4607090	1	Pipe
	9	1523-4607230	1	Lever
	10	1523-4607230-01	1	Lever
	11	1523-4607230-02	1	Lever
	12	1522-4607250	1	Bracket
	13	1522-4608210	1	Tank
	14	1522-4608230	1	Buckle
	15	1523-4607085	1	Pipe
	16	P80-4607120-07	1	High-pressure hose f16h2 armoured
	17	680-4607510	1	Connecting pipe
	18	680-4607140-13	1	High-pressure hose f10 armoured
	19	680-4607140-06	1	High-pressure hose f10h1 armored
	20	100-4617110-01	1	Pump drive
	21	S80-4607380	1	Pipe
	22	80-3723045-01	2	Collar
	23	1523-4607019	1	Fitting
	24	1523-4607063	1	Hose.Hose pipe10x18,5-1,6 GOST10362-76.L=(200±5) mm
	25	1523-4607063-01	1	Hose.Hose pipe10x18,5-1,6 GOST10362-76.L=(1520±5) mm
	26	1021-4803158	2	Adapter
	27	D18-051	2	Bolt
	28	1523-4607061	1	Hose.Hose pipe14h23-1,6 GOST10362- 76.L=(2090±5) mm
	29	1523-4607062	1	Hose.Hose pipe25h35-1,6 GOST10362- 76.L=(2180±5) mm
	30	1523-4607121	1	Bracket
	31	1522-4607011-A	4	Bolt
	32	1522-4607012-A	6	Bolt
	33	1522-4607017	3	Pin
	34	2522-4607018	4	Plate
	35	2522-4607019	2	Fitting
	36	1522-4607062	1	Hose.Hose pipe25h35-1,6 GOST10362- 76. L=(340±3)mm
	37	1522-4607078	1	Angle piece
	38	1522-4607252	5	Bushing
	39	1522-4608234	2	Gasket
	40	1522-4608237	1	Bracket
	41	1522-4608238	1	Bracket

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.8	42	1523-4607013	1	Bracket
	43	70-1405089	2	Screw-in fitting
46.9	44	50-4607041	1	Bracket
46.10	45	1523-4607063-02	1	Hose.Hose pipe10x18,5-1,6 GOST10362-76.L=(670±5) mm
	47	A61.01.017	6	Bushing
	48	A13.11.000	3	Handle
	49	1221-8700022	1	Clamp
	50	PR-43-02	2	Sealant UM6a
	51	70-3506027	1	Bushing
	52		4	Bolt M8-6gh20.88.35.019 GOST 7796-70
	53		9	Bolt M8-6gh25.88.35.019 GOST 7796-70
	54		5	Bolt M8-6gh40.88.35.019 GOST 7795-70
	55		3	Bolt M10-6gh25.88.35.019 GOST 7796-70
	56		2	Bolt M10-6gh20.88.35.019 GOST 7796-70
	57		2	Bolt M12-6gh30.88.35.019 GOST 7796-70
	58		2	Bolt M12-6gh150.58.019 GOST 7795-70
	59		4	Bolt M16-6gh32.88.35.019 GOST 7796-70
	60		1	Nut M8-6N.6.019 GOST 5915-70
	61		4	Nut M10-6N.6.019 GOST 5915-70
	62		10	Ring 017-022-30-1-4 GOST 18829-73/GOST 9833-73
	63		1	Ring 021-024-19-2-2 GOST 18829-73/GOST 9833-73
	64		3	Ring 024-028-25-2-4 GOST 18829-73/GOST 9833-73
	65		2	Ring 035-040-30-1-4 GOST 18829-73/GOST 9833-73
	66		1	Washer S 10.01.019 GOST 11371-78
	67		3	Split pin 3,2h18.019 GOST 397-79
	69		18	Washer 8T OST 37.001.115-75
	70		7	Washer 10 OT OST 37.001.115-75
	71		4	Washer 12 OT OST 37.001.115-75
	72		4	Washer 16 OT OST 37.001.115-75
	74		1	Integral unit ZMS23-LS R917 001 488
	75		8	Clamp/Clamp NORMA TORRO 16-27/971 or Clamp "NORMA" TORRO 16-25/9-C6W
	76		4	Clamp "NORMA" TORRO 25-40/9-C6W or Clamp/Clamp NORMA TORRO 25-40/971

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.8	77		3	Clutch NR10-5-H0041A0
46.9	78		3	Clutch NR10-5-H0041A3
46.10	80		3	Cord EAAV.303635.001 or Cord 772-L-TS-40-1500 TU U 29.3- 31003530-002-2002 or Cord 100.M4(40)22.01500 TU U 29.3- 31765778-002-2003
	83		2	Washer 1/2 BSP 400-825-4490-41 or Washer 825 RR45-D1/2 or Washer SCN025-P20-PM1/2
	84		20	Washer M22 400-874-4490-41 or Washer 636 RRM22 or Washer SCN236-P18-PM22
	85		4	Washer M14 400-868-4490-41 or Washer 627 RRM14 or Washer SCN227-P18-PM14
	86		1	Clutch NR12-5-H0001S2
	87		1	Temperature sensor TM111-12 TU 37.003.569-2007

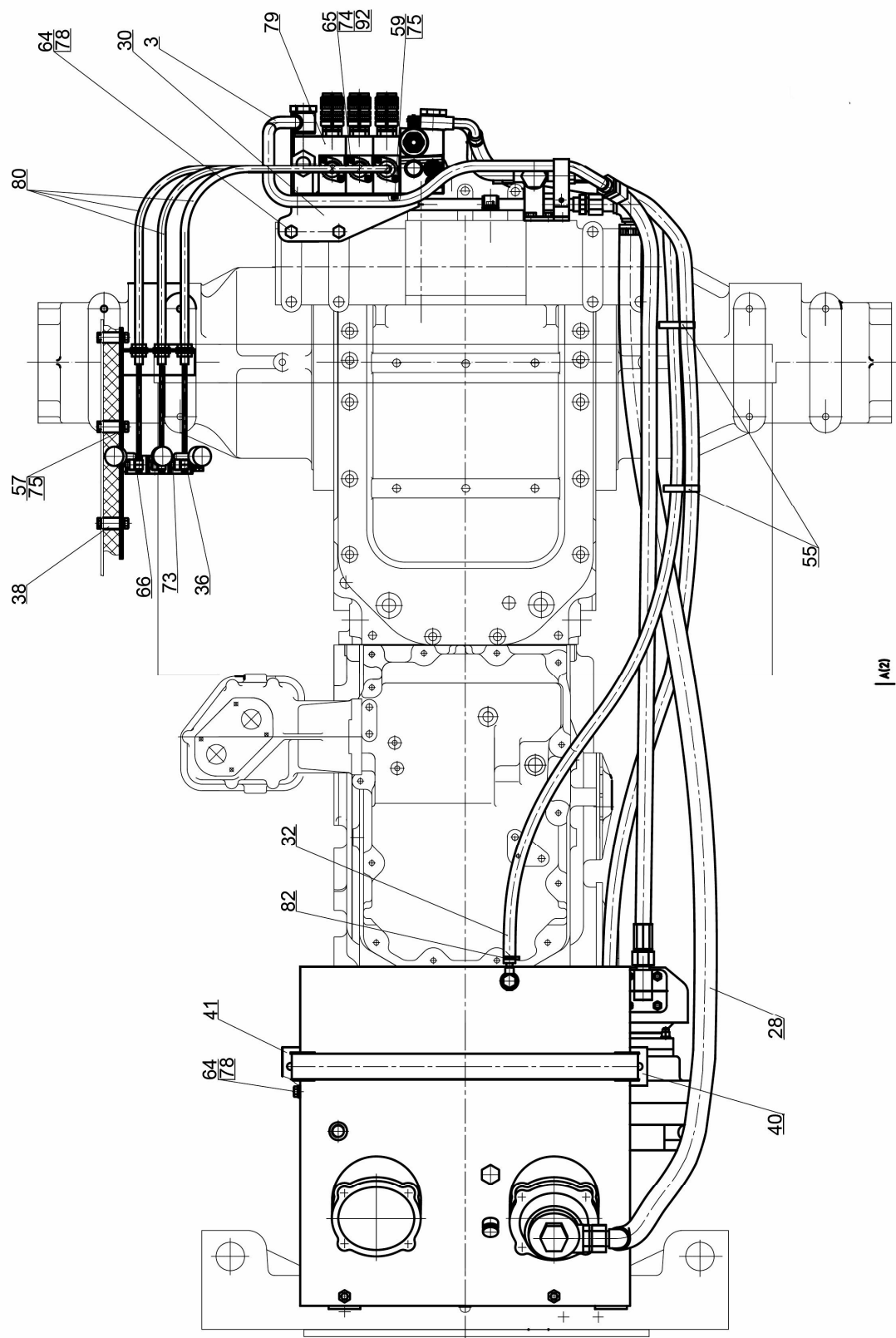


Fig. 46.11 Hydraulic units and fittings

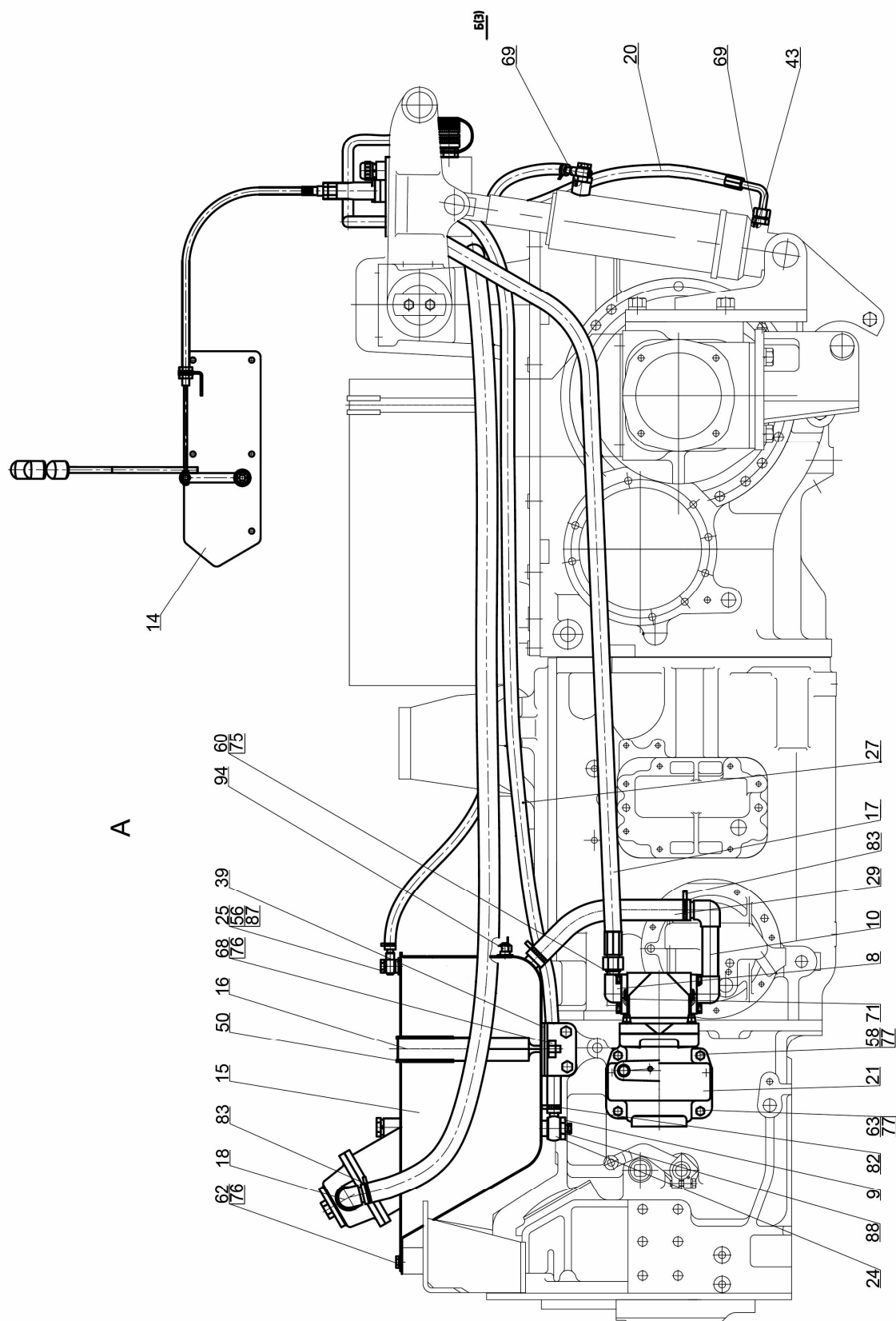


Fig. 46.12 Hydraulic units and fittings

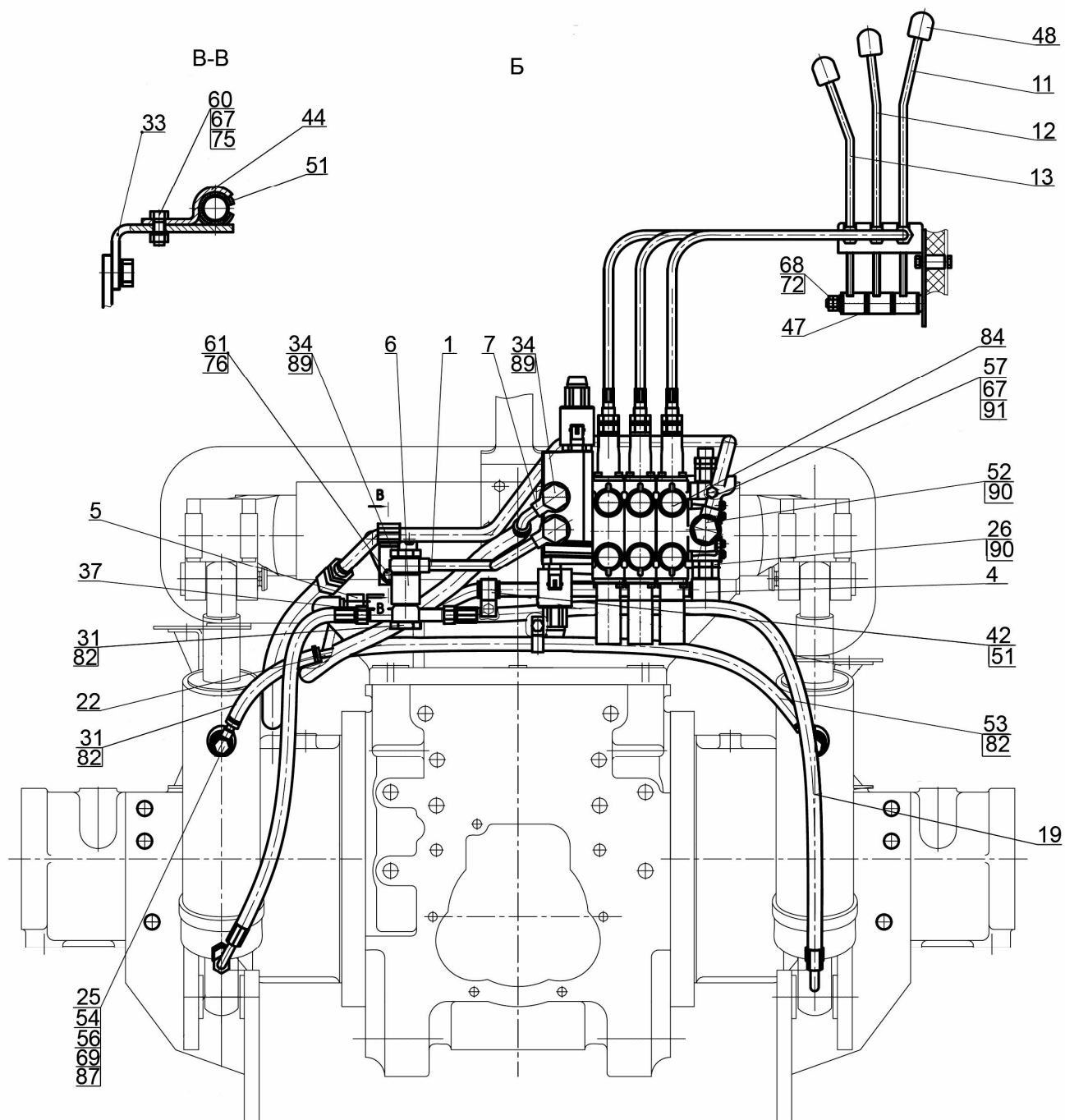


Fig. 46.13 Hydraulic units and fittings

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.11		R1523-4600010	1	Hydraulic system
46.12	1	R1523-4607075	1	Pipe
46.13	3	R1523-4607085	1	Pipe
	4	R1523-4607160	1	Pipe
	5	R1523-4607180	1	Fitting
	6	1523-4607040	1	Bracket
	7	1523-4607150	1	Pipe
	8	1522-4607020	1	Connecting pipe
	9	1522-4607070	1	Bolt
	10	1522-4607090	1	Pipe
	11	1523-4607230	1	Lever
	12	1523-4607230-01	1	Lever
	13	1523-4607230-02	1	Lever
	14	1522-4607250	1	Bracket
	15	1522-4608210	1	Tank
	16	1522-4608230	1	Buckle
	17	P80-4607120-07	1	High-pressure hose f16h2 armoured
	18	680-4607510	1	Connecting pipe
	19	680-4607140-06	1	High-pressure hose f10h1 armored
	20	680-4607140-13	1	High-pressure hose f10 armoured
	21	100-4617110-01	1	Pump drive
	22	3022-4607120	1	T-piece
	24	S80-4607380	1	Pipe
	25	F80-3407720	2	Oil pipeline
	26	R1523-4607001	1	Fitting
	27	R1523-4607061	1	Hose Hose pipe14h23-1,6 GOST10362-76 L=(2090±5) mm
	28	R1523-4607062	1	Hose Hose pipe25h35-1,6 GOST10362-76 L=(2000±5) mm
	29	R1523-4607062-01	1	Hose Hose pipe25h35-1,6 GOST10362-76 L=(340±3) mm
	30	R1523-4607121	1	Bracket
	31	1523-4607063	1	Hose.Hose pipe10x18,5-1,6 GOST10362-76.L=(200±5) mm
	32	1523-4607063-01	1	Hose.Hose pipe10x18,5-1,6 GOST10362-76.L=(1520±5) mm
	33	1523-4607013	1	Bracket
	34	1522-4607011-A	4	Bolt
	36	1522-4607017	3	Pin
	37	1522-4607078	1	Angle piece
	38	1522-4607252	5	Bushing
	39	1522-4608234	2	Gasket
	40	1522-4608237	1	Bracket
	41	1522-4608238	1	Bracket
	42	70-3407163-01	1	Clip
	43	70-1405089	2	Screw-in fitting
	44	50-4607041	1	Bracket

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.11	47	A61.01.017	4	Bushing
46.12	48	A13.11.000	3	Handle
46.13	50	PR-43-02	3	Sealant UM6a
	51	70-3506027	2	Bushing
	52	40-4607037	1	Bolt
	53	1523-4607063-02	1	Hose.Hose pipe10x18,5-1,6 GOST10362-76.L=(670±5) mm
	54	1021-4803158	2	Adapter
	55	80-3723045-01	2	Collar
	56	D18-051	2	Bolt
	57		7	Bolt M8-6gh40.88.35.019 GOST 7795-70
	58		2	Bolt M12-6gh150.58.019 GOST 7795-70
	59		2	Bolt M8-6gh20.88.35.019 GOST 7796-70
	60		9	Bolt M8-6gh25.88.35.019 GOST 7796-70
	61		3	Bolt M10-6gh25.88.35.019 GOST 7796-70
	62		2	Bolt M10-6gh20.88.35.019 GOST 7796-70
	63		2	Bolt M12-6gh30.88.35.019 GOST 7796-70
	64		4	Bolt M16-6gh32.88.35.019 GOST 7796-70
	65		6	Screw V.M6-6gh16.58.019 GOST 17473-80
	66		3	Nut M6-6N.6.019 GOST 5915-70
	67		3	Nut M8-6N.6.019 GOST 5915-70
	68		4	Nut M10-6N.6.019 GOST 5915-70
	69		4	Ring 017-022-30-1-4 GOST 18829-73/GOST 9833-73
	71		2	Ring 035-040-30-1-4 GOST 18829-73/GOST 9833-73
	72		1	Washer S 10.01.019 GOST 11371-78
	73		3	Split pin 3,2h18.019 GOST 397-79
	74		6	Washer 6T OST 37.001.115-75
	75		18	Washer 8T OST 37.001.115-75
	76		7	Washer 10 OT OST 37.001.115-75
	77		4	Washer 12 OT OST 37.001.115-75
	78		4	Washer 16 OT OST 37.001.115-75
	79		1	Hydraulic unit RP70-1523.1
	80		3	Cord EAAV.303635.001-01 TU U 29.3-24169896-001-2001
	82		8	Clamp/Clamp NORMA TORRO 16-27/971 or Clamp "NORMA" TORRO 16-25/9-C6W

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.11 46.12 46.13	83		4	Clamp "NORMA" TORRO 25-40/9-C6W or Clamp/Clamp NORMA TORRO 25-40/971
		M036.50B.10		Left housing
	84		6	Clutch NR10-3MH0041A0
				Half coupling-Du10 (LYAKSH.05.4.01.00.000)
				Outer half coupling KTSIR.303588.003-02
				Clutch CPV 0816/20F TVZ
	87		4	Washer M14 400-868-4490-41 or Washer 627 RRM14 or Washer SCN227-P18-PM14
	88		8	Washer 1/2 BSP 400-825-4490-41 or Washer 825 RR45-D1/2 or Washer SCN025-P20-PM1/2
	89		8	Washer M22 400-874-4490-41 or Washer 636 RRM22 or Washer SCN236-P18-PM22
	90		3	Washer M24 400-875-4490-41 or Washer 638 RRM24 or Washer SCN238-P18-PM24
	91		2	Washer S 8.01.019 GOST 11371-78
	92		6	Washer S 6.01.019 GOST 11371-78
	94		1	Temperature sensor TM111-12 TU 37.003.569-2007

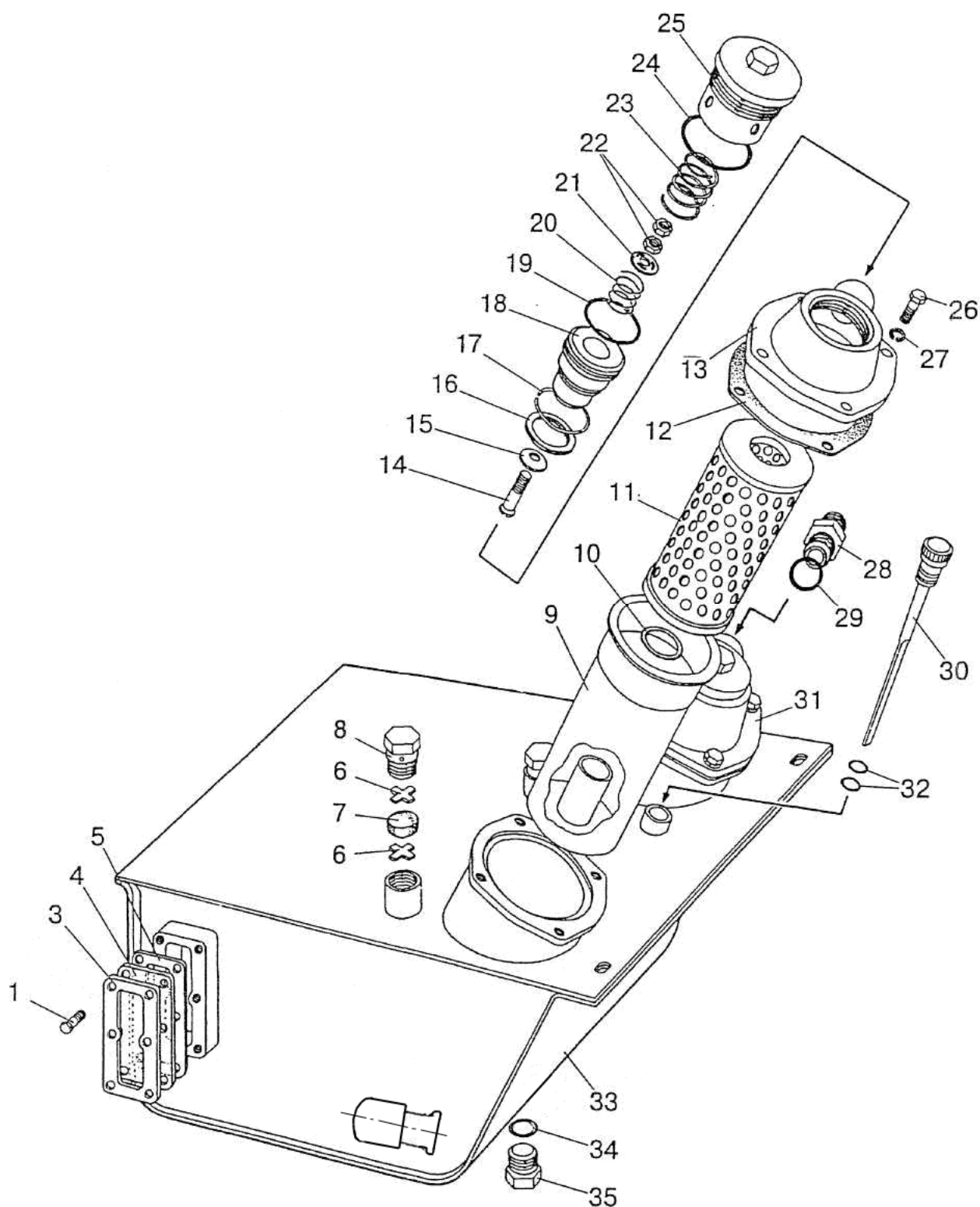


Fig. 46.14 Tank

**Group 46 Remote-control hydraulic system
Subgroup 4608. Tank**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.14	1	M6h20 DIN EN 1665-98	6	Bolt
	3	85-4608088-B	1	Plate
	4	85-4608087-B	1	Pointer
	5	85-4608086-B	1	Gasket
	6	50-4608062	4	Breather washer
	7	50-4608063	2	Filter
	8	50-4608059	2	Breather plug
	9	822-4608020 -A	2	Housing
	10	042-050-46-2-2	2	Ring
	11	EFOM 631-1 or FEG 3-25*	2 2	Filtering element
	12	822-4608112	2	Gasket
	13	1522-4608211-01	1	Cover
	14	M6h40	2	Screw
	15	8.20.004	2	Valve
	16	822-4608042	2	Ring
	17	822-4608032	2	Ring
	18	822-4608041	2	Valve
	19	055-060-2-2	2	Ring
	20	8.20.002	2	Spring
	21	8.20.005	2	Backup plate
	22	M6	4	Nut
	23	80-4608057	2	Spring
	24	066-071-30-2-2	2	Ring
	25	822-4608031	2	Housing
	26	M8x25	8	Bolt
	27	SHP 8	8	Washer
	28	S80-4607034	1	Fitting
	29	027-032-30-2-2	1	Ring
	30	70-4608065A	1	Oil gauge
	31	1522-4608211	1	Cover
	32	011-015-25-2-2	2	Ring
	33	1522-4608220	1	Housing
	34	017-022-30-2-2	2	Ring
	35	50-4608027-V	2	Plug

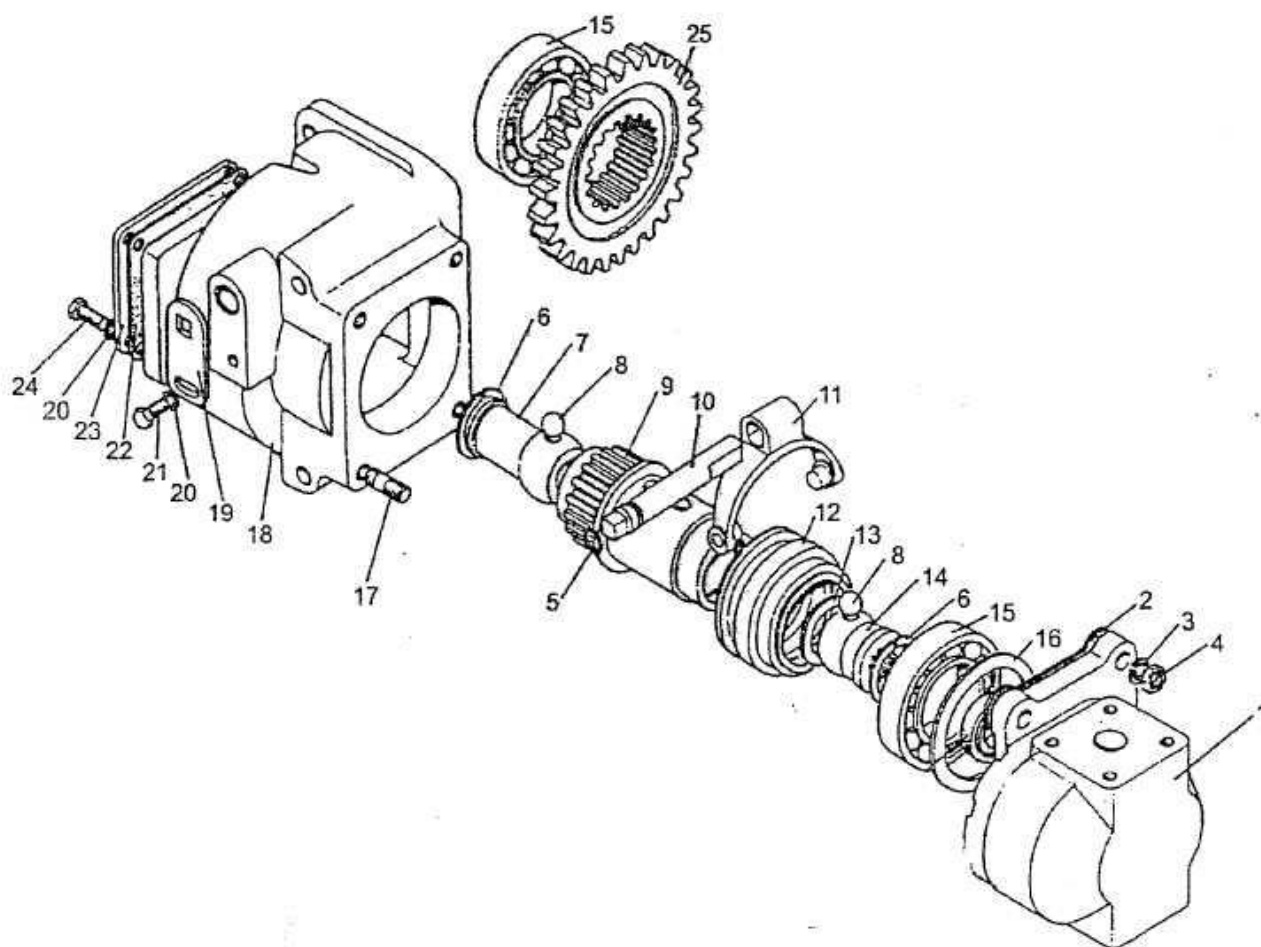


Fig. 46.15 Pump drive of hydraulic system

Group 46. Remote-control hydraulic system
Subgroup 4617. Pump drive of hydraulic system

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
46.15	1	GP32N-4 or NSH32UKF-3 or NSH32D-3	1 1 1	Pump
	2	36-1022054-A	1	Gasket
	3	SHP 10	4	Washer
	4	M10	4	Nut
	5	013-017-25-1-4	1	Ring
	6	V 40	2	Ring
	7	100-4617116	1	Bushing
	8	11.113	6	Ball
	9	100-4617112	1	Shaft
	10	100-4617118	1	Axle
	11	85-4604030	1	Yoke
	12	100-4617113	1	Clutch
	13	100-4617123	1	Ring
	14	100-4617114	1	Bushing
	15	210 K5	2	Bearing
	16	100-4617121	1	Ring
	17	10h25	4	Stud
	18	100-4617111	1	Drive housing
	19	100-4617119	1	Plate
	20	SHP 8	5	Washer
	21	M8x16	1	Bolt
	22	50-1022062-B1	1	Gasket
	23	100-4617122	1	Drive cover
	24	M8x20	4	Bolt
	25	100-4617117	1	Toothed wheel

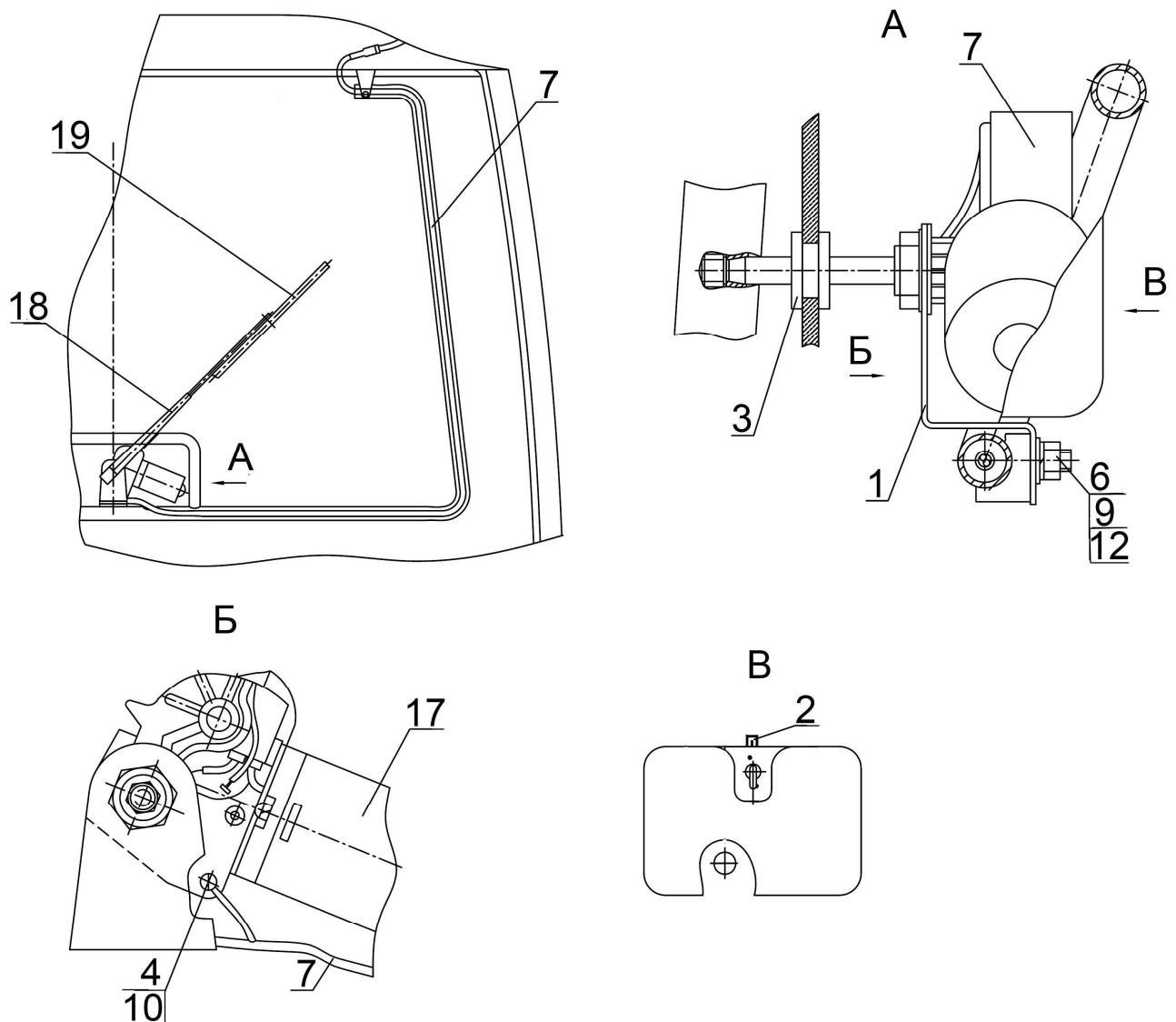
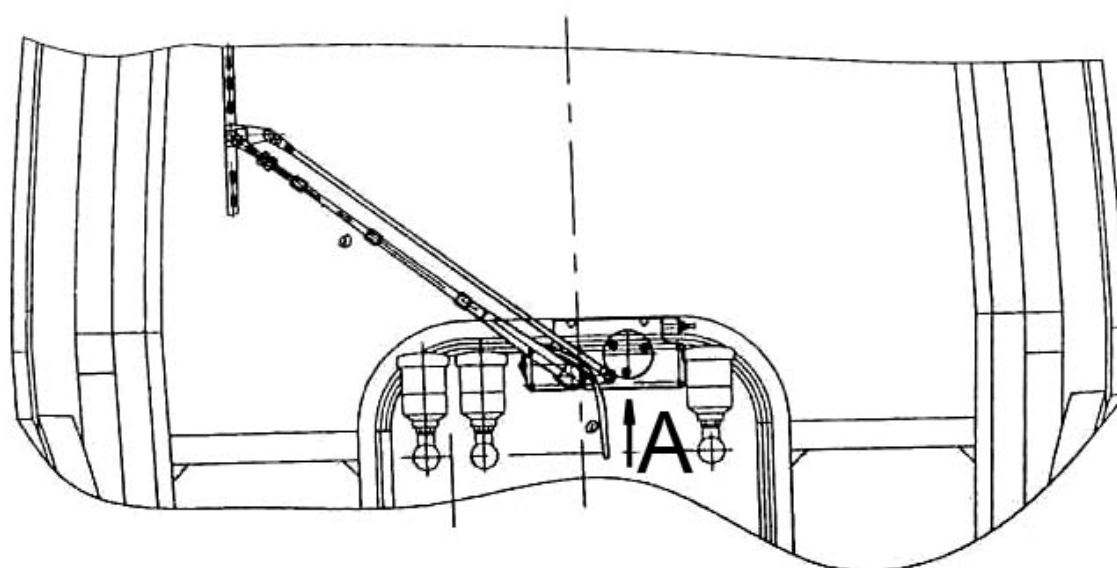


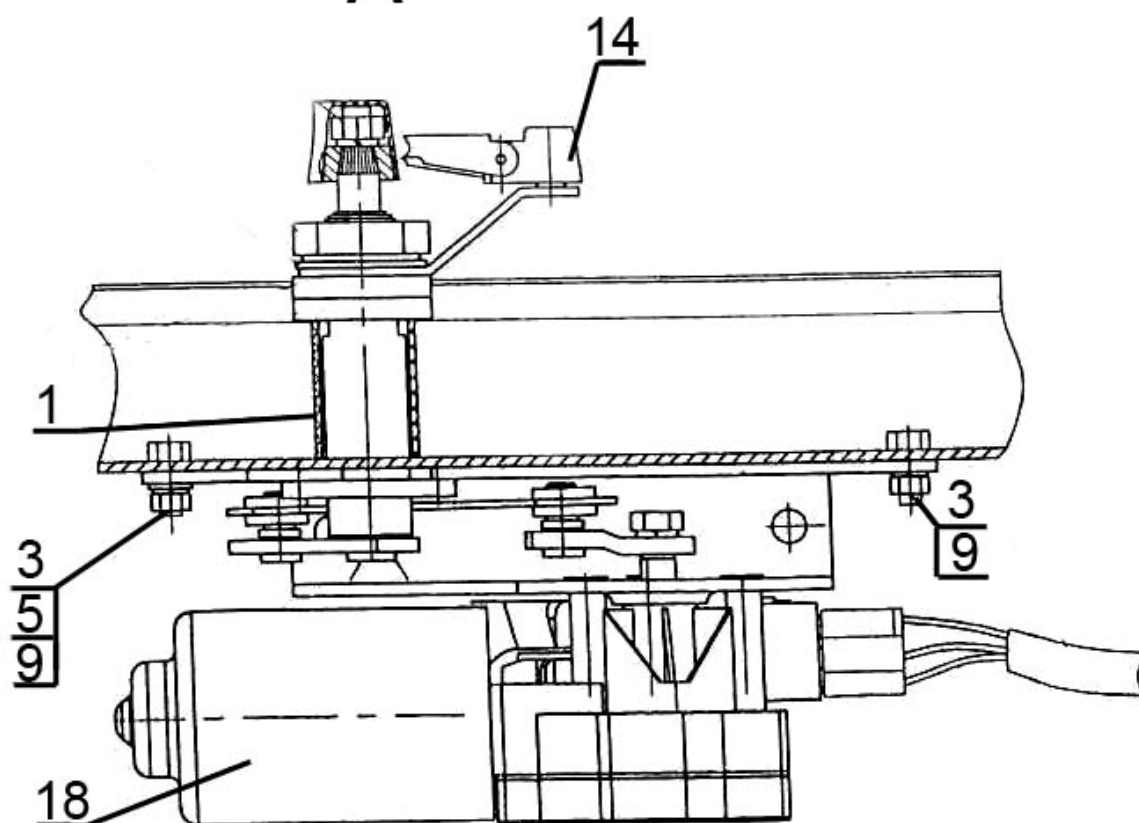
Fig. 52.1 Rear windscreen wiper assembly

Group 52. Windscreen wipers
Subgroup 5205. Rear windscreen wiper assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
52.1		923-5205020	1	Rear windscreen wiper assembly
	1	923-5205022-B	1	Bracket
	2	1522-3903018	1	Decorative sticker
	3	822-5205043	1	Bushing
	4		1	Screw V.M4-6gh12.58.019 GOST 17473-80
	6		2	Nut M8-6N.6.019 GOST 5915-70
	7	923-3724014-B	1	Bundled cable
	9		2	Washer S 8.01.019 GOST 6958-78
	10		1	Washer 4 OST 37.001.115-75
	12		2	Washer 8T OST 37.001.115-75
	17		1	Motogear unit 475.3730-10 TU 37.459.155-93 "OAO "KZAE", Kaluga or Wiper drive A18-45.00.100 YAO BELROBOT, Minsk or Motogear unit ST-240 TU BY 300149331.043-2010 RUP EVIRET Vitebsk
	18	5205.265	1	Wiper lever 009.48.00 ""ZEM", Polen or Wiper lever 20.5215 300 TU 37.459.330-2005 "OAO "KZAE", Kaluga or Lever A18-45.00.200 YAO BELROBOT_ Minsk or Wiper lever 420R.5205 TU BY 300149331.043-2010 RUP EVIRET, Vitebsk
	19	5205.65	1	Blade A10-450.01 ZAO BELROBOT, Minsk, Wiper blade 450.04.00 ""ZEM", Polen, or Wiper blade 450V.5205 TU BY 300149331.043-2010 RUP EVIRET, Vitebsk or Wiper blade 20.5215 400 TU 37.459.331-2005 "OAO "KZAE", Kaluga



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Group 52. Windscreen wipers
Subgroup 5205. Front windscreen wiper assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
52.2		923-5205010	1	Front windscreen wiper assembly
	1	70-1602037	1	Bushing
	3		4	Nut M6-6N.6.019 GOST 5915-70
	5		2	Washer S 6.01.019 GOST 11371-78
	9		4	Washer 6T OST 37.001.115-75
	14	5205.45	1	Lever with blade 787 000 031 TU 213.201.016-99
	18	5205.15	1	Pantograph windscreen wiper

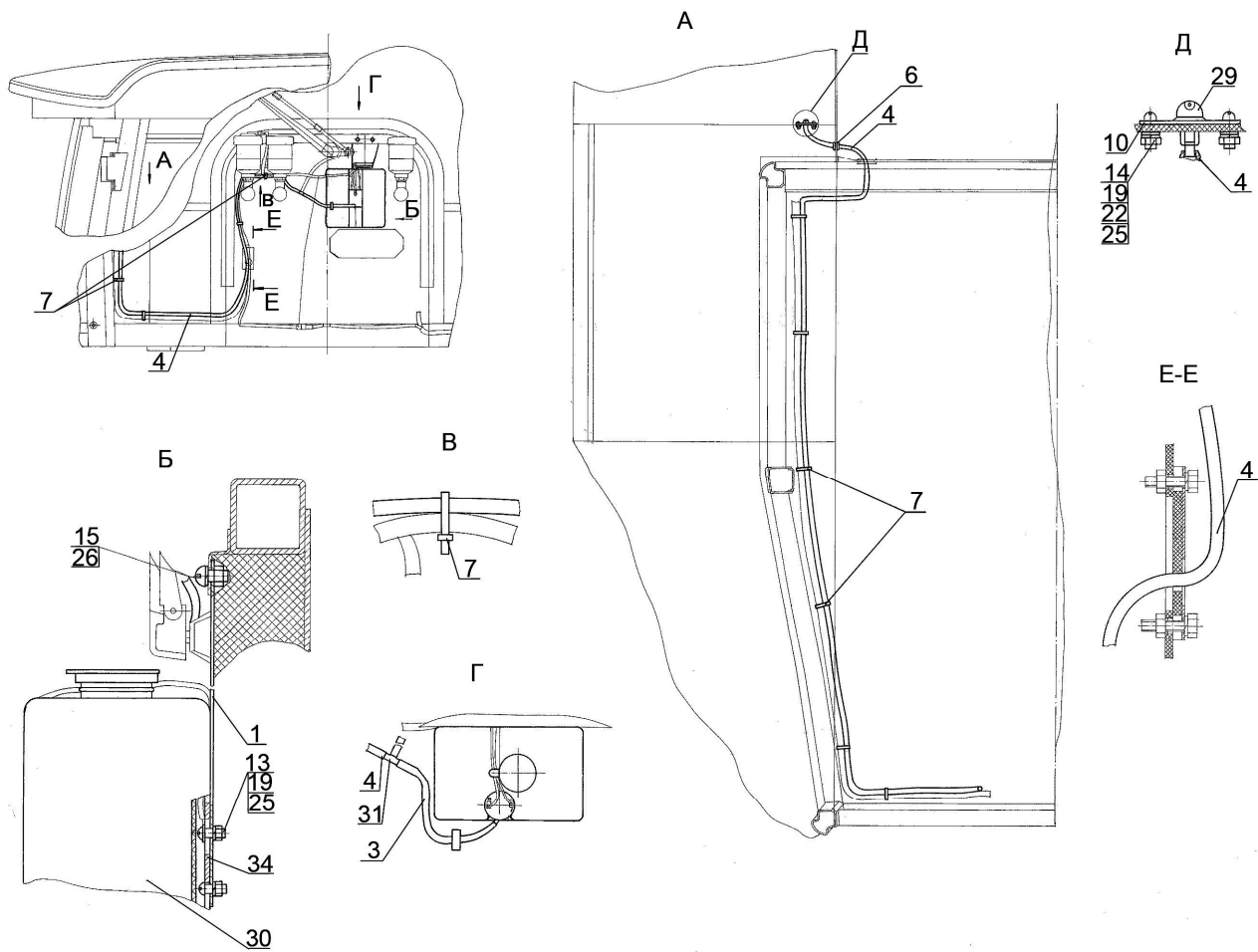


Fig. 52.3 Windscreen washer assembly

**Group 52. Windscreen washer
Subgroup 5208. Windscreen washer assembly**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
52.3		923-5208010	1	Windscreen washer assembly
	1	923-5208005	1	Bracket
	3	923-5208002	1	Pipe
	4	923-5208002-01	1	Pipe
	6	36-3723024-B	1	Bushing (70-3723042-01)
	7	80-3723045	8	Collar
	10	70-5208011	1	Plate
	13		2	Screw V.M4-6gh12.58.019 GOST 17473-80
	14		2	Screw V.M4-6gh16.58.019 GOST 17473-80
	15		2	Screw V.M6-6gh12.58.019 GOST 17473-80
	19		4	Nut M4-6N.6.019 GOST 5927-70
	22		2	Washer S 4.01.019 GOST 11371-78
	25		4	Washer 4 OST 37.001.115-75
	26		2	Washer 6T OST 37.001.115-75
	29	5208.10	1	Jet 11.500-01 or Jet 1202.5208500-02 or Jet ADIOI.306549.001
	30	5208.40	1	Electrical washer 122.5208 000 TU 37.459.176-94 or Windscreen washer SEAT-33 ADIOI.060280.001 TU
	31	5208.15	1	Distributor ADIOI.752261.001-01 or T-piece 1202.5208301 TU 6-05-1538-77
	34	5208.20	1	1222-5208001-A Bracket or Bracket 122.5208 304 "OAO "KZAE", Kaluga

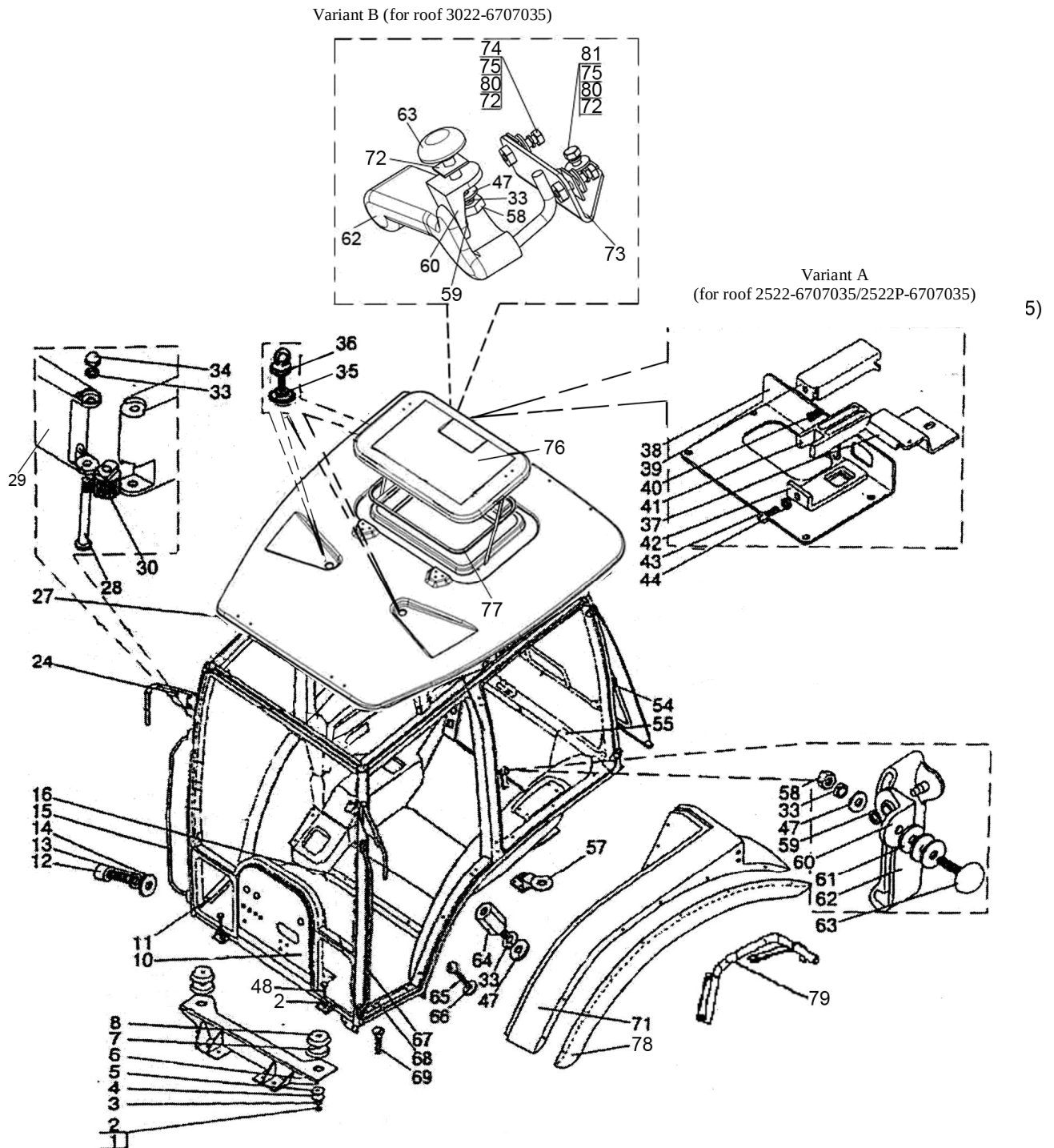


Fig. 67.1 Tractor cab

Group 67 Cab
Subgroup 6700. Tractor cab

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
67.1		2522-6700010	1	Cab assy
	1		4	Split pin 4h36.019 GOST 397-79
	2	M20h1,5	4	Nut
	3		4	Washer 16 OT OST.001.115-75
	4		8	Washer S 16.01.019 GOST 11371-78
	5	130-5001364-V	4	Pad
	6	1522-6700030	1	Bracket
	7	80-6700160	4	Vibration isolator
	8	80-6700163	4	Cage
	10	2522-6703031-B	1	Gasket
		2522-6703032-B	1	Gasket
		2522-6703033-B	1	Gasket
	11	2522-6702001-01	1	Holddown clamp
	12	VM10x35	4	Screw
	13		4	Washer S 10.01.019 GOST 11371-78
	14		4	Washer 10 OT OST 37.001.115-75
	15	2522-6703115-01	1	Handrail
	16	2522-6702466	1	Holddown clamp
	24	2522-8201200	2	Bracket
	27	2522-6707035 or 2522P-6707035 or 3022-6707035	1 1 1	Roof
	28	2522-8201219	2	Screw
	29	2522-8201205	2	Bracket
	30	2522-8201204	2	Shaft
	33		4	Washer 8T OST 37.001.115-75
	34	2522-6708029	2	Nut
	35	2522-6707081	3	Washer
	36	2522-6707033	3	Eye bolt
	37	822-6707051-B	1	Bracket
	38	822-6707065	1	Panel
	39	822-6707066	1	Cover
	40	55-17-27	1	Spring
	41	822-6707061	1	Latch
	42	822-6707067	1	Bracket
	43	M6	1	Screw
	44		1	Washer S 6.01.019 GOST 11371-78
	47		7	Washer S 8.01.019 GOST 6958-78
	48	2522-6700029	4	Bolt
	54	21054	2	Airlift
	57	1522-6700037	1	Bracket (left)
		1522-6700037-01	1	Bracket (right)
	58		3	Nut M8-6N.6.019 GOST 5915-70
	59		3	Washer 5.65G.07.6 GOST 11648-75
	60	822-6708152	3	Bracket
	61	80-6708904-B	6	Gasket
	62	822-6708160	1	Handle (left)
		822-6708160-01	2	Handle (right)

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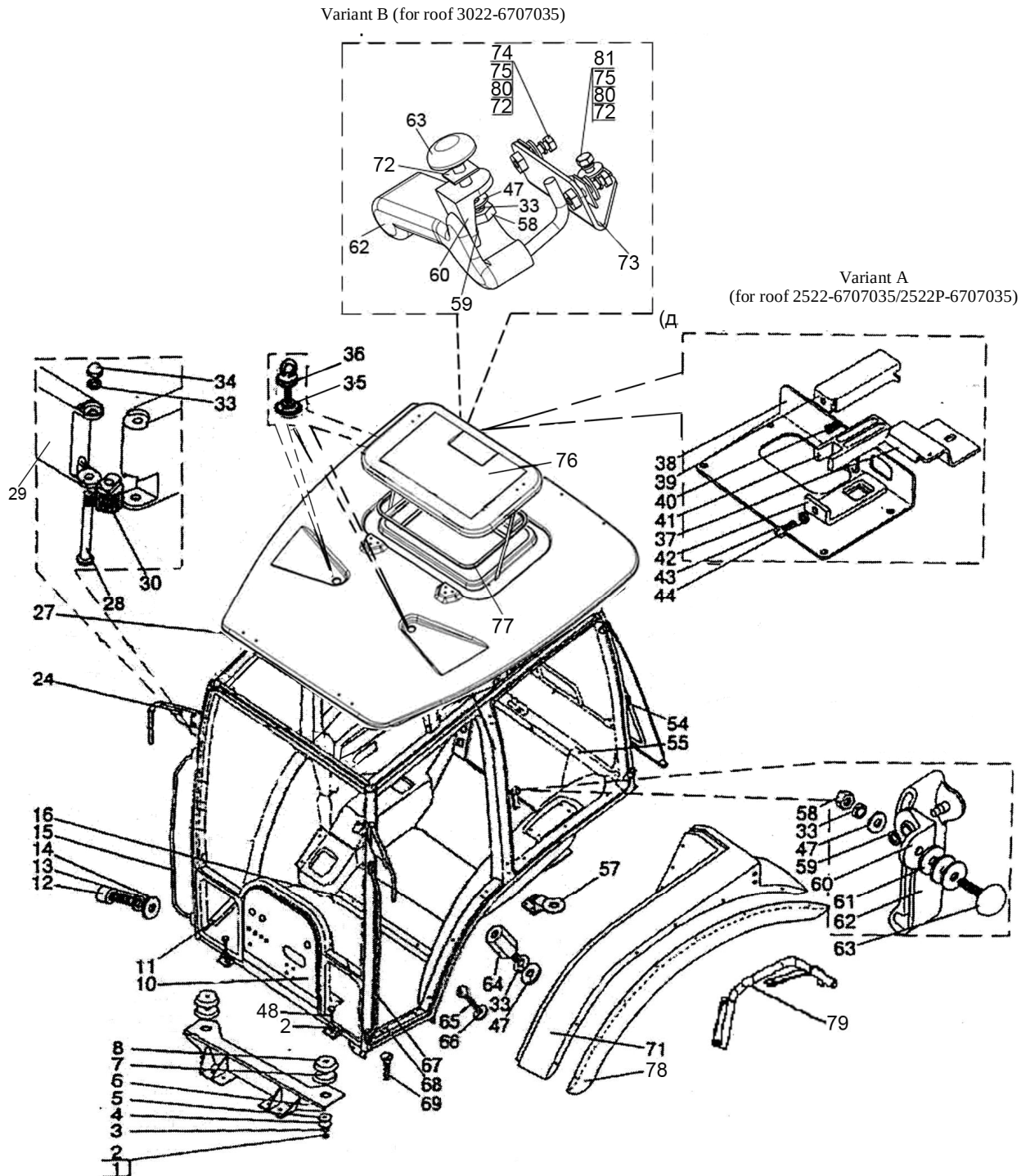


Fig. 67.1 Tractor cab

Group 67 Cab
Subgroup 6700. Tractor cab

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
67.1	63	2522-6708165	3	Screw
	64	2522-6708032	2	Bushing
	65	M6h20	4	Screw
	66	2522-6700018	4	Washer
	67	2522-6703115	1	Handrail (left)
	68	2522-6702001	1	Holddown clamp (left)
	69	M6h16	4	Screw
	71	923-8404010	1	Fender (left)
		923-8404010-01	1	Fender (right)
		4520-8404011	1	Fender (left)
		4520-8404011-01	1	Fender (right)
	72	923-6707086	4	Gasket
	73	3022-6707055	1	Bracket
	74		2	Bolt M6-6gh20.88.35.019 GOST7798-70
	75		3	Washer 6T OST 37.001.115-75
	76	2522-6707040*	1	Hatch
		2522P-6707040**	1	Hatch
		3022-6707040***	1	Hatch
	77	A37.08.045	1	Sealant
	78	923-8404030	1	Widener (left)
		923-8404030-01	1	Widener (right)
		2022-8404012	1	Widener (left)
		2022-8404012-01	1	Widener (right)
	79	2522-8404020	1	Bracket (left)
		2522-8404020-01	1	Bracket (right)
	80		3	Washer S6.01.019 GOST 6958-78
	81		1	Bolt M6-6gh30.88.35.019 GOST 7798-70

* For roof 2522-6707035

** For roof 2522P-6707035

*** For roof 3022-6707035

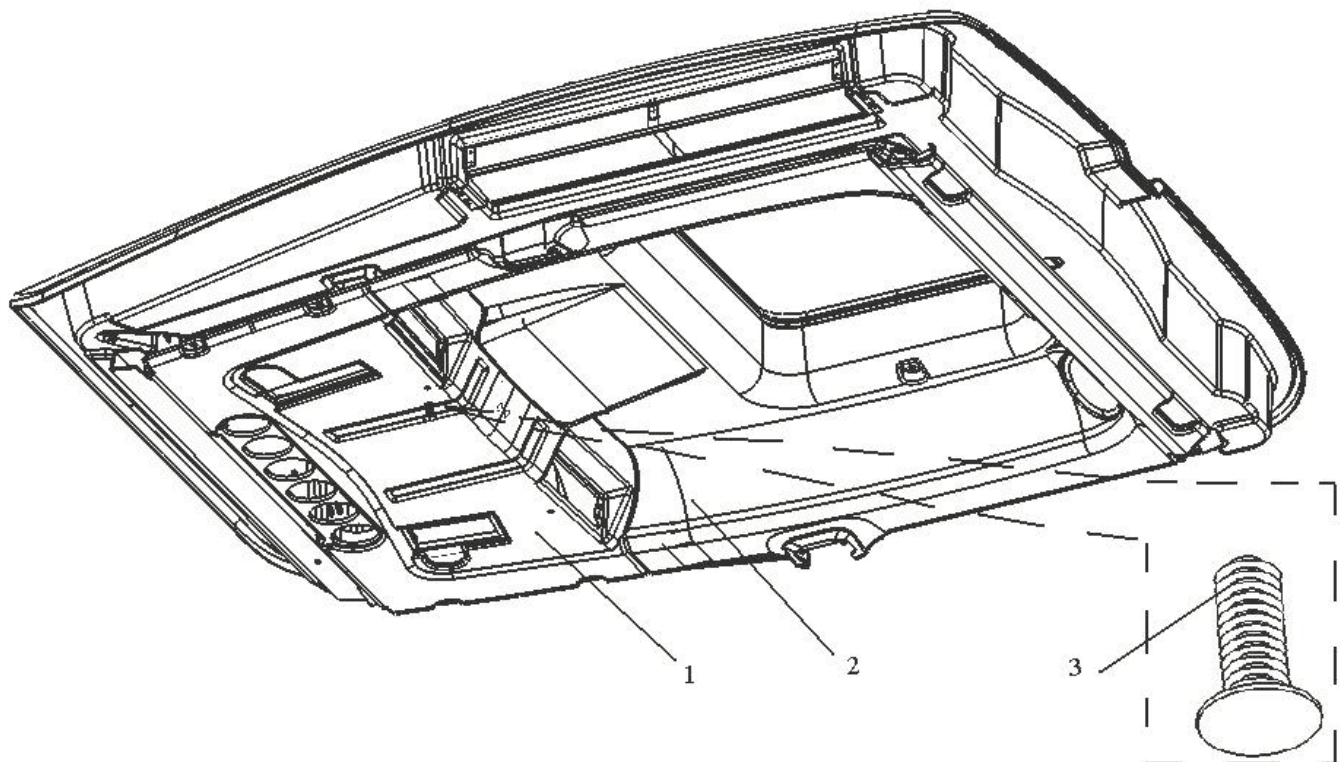


Fig. 67.2 Roof

Group 67 Cab
Subgroup 6700.Roof

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
67.2	1	1522P-8101110*	1	Panel 1
		OT 1522-8101110**	1	Panel 1
		1522-8101110-B***	1	Panel 1
	2	2522P-6707200*	1	Panel 2
		OT 822-6707191**	1	Panel 2
		L 2522-6707191***	1	Panel 2
	3	80-6700167	4	Button

* For roof 2522P-6707035

** For roof 3022-6707035

*** For roof 2522-6707035

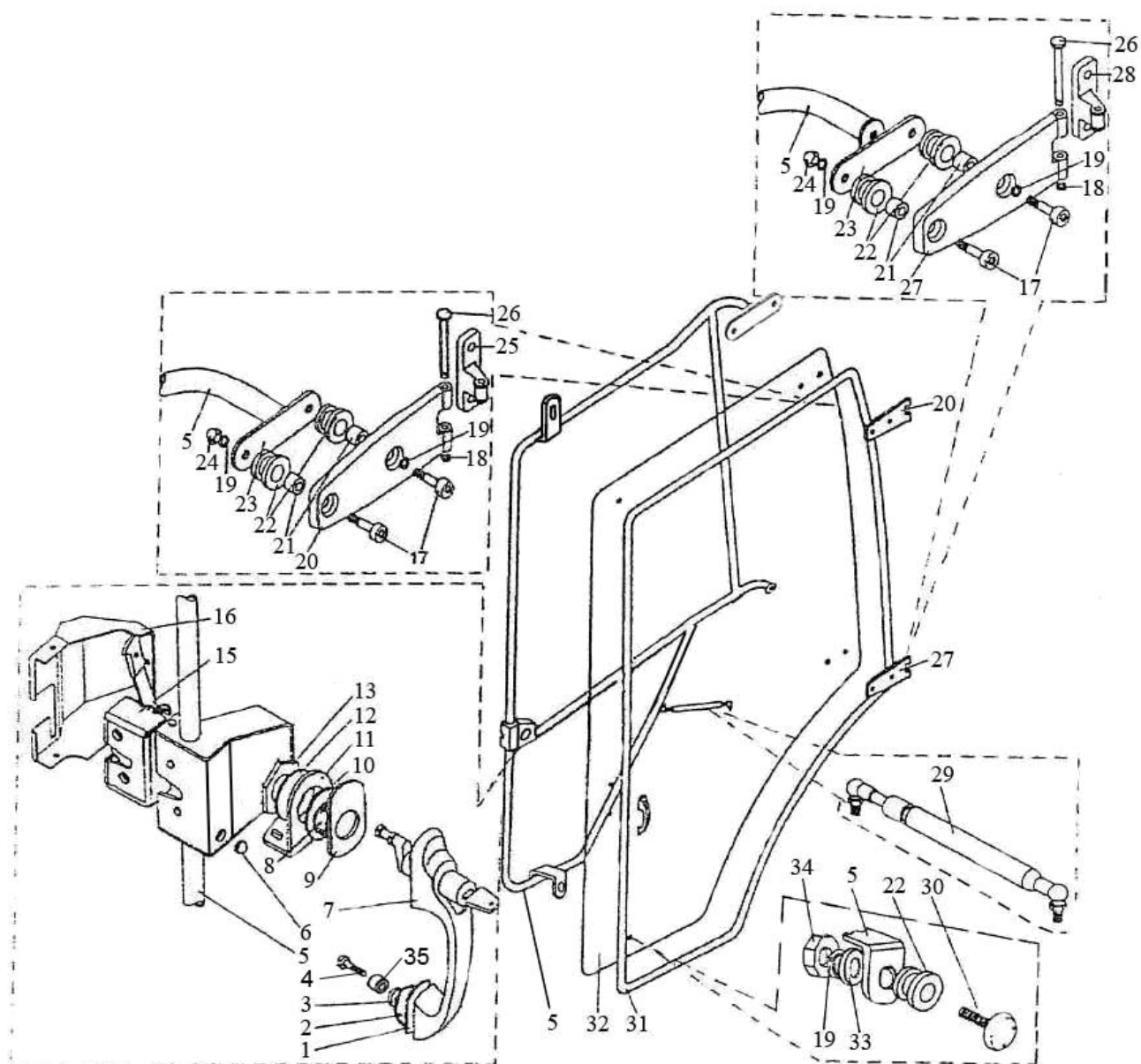


Fig. 67.3 Cab door

Group 67 Cab
Subgroup 6708. Cab door

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
67.3		2522-6708005	1	Left door
		2522-6708005-01	1	Right door
	1	2522-6105018	2	Gasket
	2	2522-6105019	2	Gasket
	3	2522-6105021	2	Washer
	4		2	Screw V.M6-6gx20.58.019 GOST 17473-80
	5	2522-6708020-A	1	Frame left
	6	2522-6708020-A-01	1	Frame right
	6	70-8401072	2	Dashpot
	7	2522-6105300	1	Handle
		2522-6105330	1	Handle
	8	2522-6105022	2	Bushing
	9	2522-6105013	2	Gasket
	10	2522-6105014	2	Gasket
	11	2522-6105023	1	Bracket
		2522-6105023-01	1	Bracket
	12	2522-6105016	2	Washer
	13	2522-6105017	2	Nut
	15	80-6105050	1	Lock
		80-6105050-01	1	Lock
	16	2522-6708812	1	Cover
		2522-6708812-01	1	Cover
	17		8	Screw M8-6gx30.56.019 GOST 11738-84
	18		4	Washer 6.59G GOST 11648-75
	19		10	Washer 8T OST 37.001.115-75
	20	2522-6708056	1	Upper left hinge
		2522-6708056-01	1	Upper right hinge
	21	2522-6708017	8	Bushing
	22	2522-6708016	12	Bushing
	23	2522-6708011	4	Strip
	24	2522-6708029	4	Nut
	25	2522-6708051	1	Upper hinge
		2522-6708051-01	1	Upper hinge
	26	822-6700011	4	Pin
	27	2522-6708061	1	Lower left hinge
		2522-6708061-01	1	Lower right hinge
	28	2522-6708066	1	Lower left hinge
		2522-6708066-01	1	Lower right hinge
	29	586564 or 11.4.6308010	2	Gas spring 6288 VJ Spring TU RB 500032891.095-2003
	30	2522-6708975	4	Screw
	31	V-716	4	Profile (L=4,55 м)

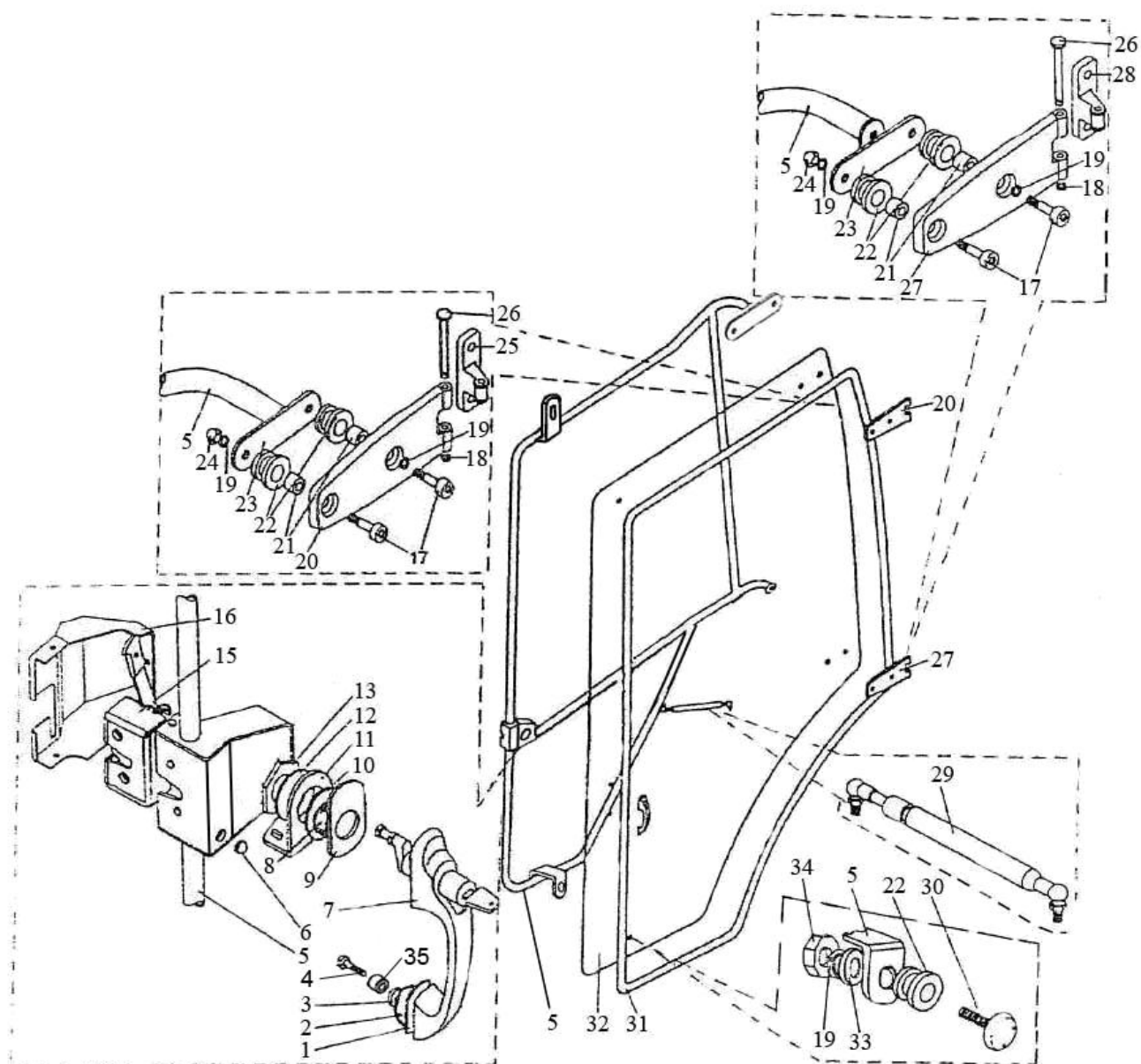


Fig. 67.3 Cab door

Group 67 Cab
Subgroup 6708. Cab door

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
67.3	32	2522-6708013 or 2522-6708013-A or 2522-6708013-AL or 2522-6708013-A2	1	Glass left
		2522-6708013-01 or 2522-6708013-01-A or 2522-6708013-01-AL or 2522-6708013-01-A2	1	Glass right
	33		2	Nut M8-6N.6.019 GOST 5915-70
	34		2	Washer S8.01.019 GOST 11371-78
	35	2522P-6105024	2	Bushing
	*	2522-6708015		Glass left
		2522-6708015-01		Glass right

* for spare parts supply

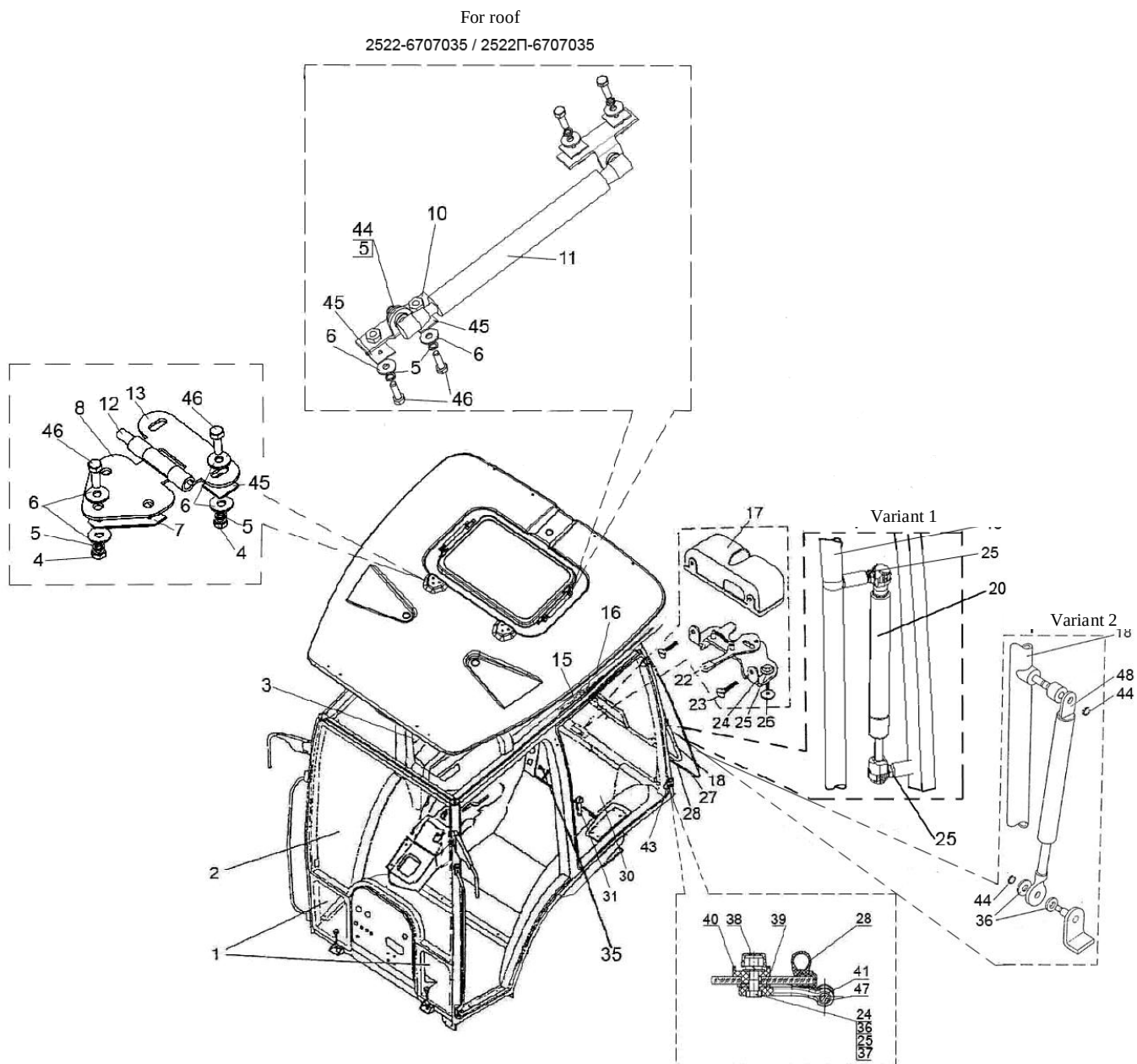


Fig. 67.4 Cab. Cab glasses.

Group 67. Cab
Subgroup 6703,6708. Cab glasses

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
67.4	1	2522-6703012 or 2522-6703012- A or 2522-6703012-AL or 2522-6703012- A2	1	Glass left
	2	2522-6703012-01or 2522-6703012-A-01 or 2522-6703012-AL-01 or 2522-6703012-A2-01	1	Glass right
	2	2522-6703011 or 2522-6703011-A or 2522-6703011-AL or 2522-6703011- A2.1	1	Glass
	3	2522-6708111 or 2522-6708111-A or 2522-6708111-AL or 2522-6708111-A2	1	Glass left
		2522-6708111-01 or 2522-6708111-A-01 or 2522-6708111-AL-01 or 2522-6708111-A2-01	1	Glass right
	4		10	Nut M6-6N.6.019 GOST 5915-70
	5		22	Washer 6T OST 37.001.115-75
	6		28	Washer S6.01.019 GOST 6958-78
	7	923-6707087	2	Gasket
	8	822-6707082	2	Hinge
	9		10	Screw V.M6-6gx25.58.019 GOST 17473-80
	10	822-6707075	4	Bracket
	11	586563	2	Gas spring 4969UO
	12	70-6708189	2	Axle
	13	822-6707081	2	Hinge
	15	1522-8104060	2	Grille
	16	80-8104060	2	Filter
	17	822-6708279	1	Cover
	18	2522-6708215	1	Arc
	20	586564 or 11.4.6308010	2	Gas spring 6288 VJ Spring TU RB 500032891.095-2003
	22	822-6708270-A	1	Lock
	23		2	Screw V.M4-6gx10.58.019 GOST 17473-80
	24		4	Bolt M8-6gx25.88.35.019 GOST 7796-70
	25		4	Washer 8T OST 37.001.115-75
	26		2	Washer S8.01.019 GOST 6958-78
	27	2522-6708211 or 2522-6708211-A or 2522-6708211-AL or 2522-6708211-A2	1	Glass
	28	V-716	2	Profile
	30	2522-6708952-B	1	Glass
	31	2522-6708150	1	Detent
		2522-6708150-01	1	Detent
	34		16	Washer 16 OT OST 37.001.115-75
	35	2522-6702400	1	Panel assembly

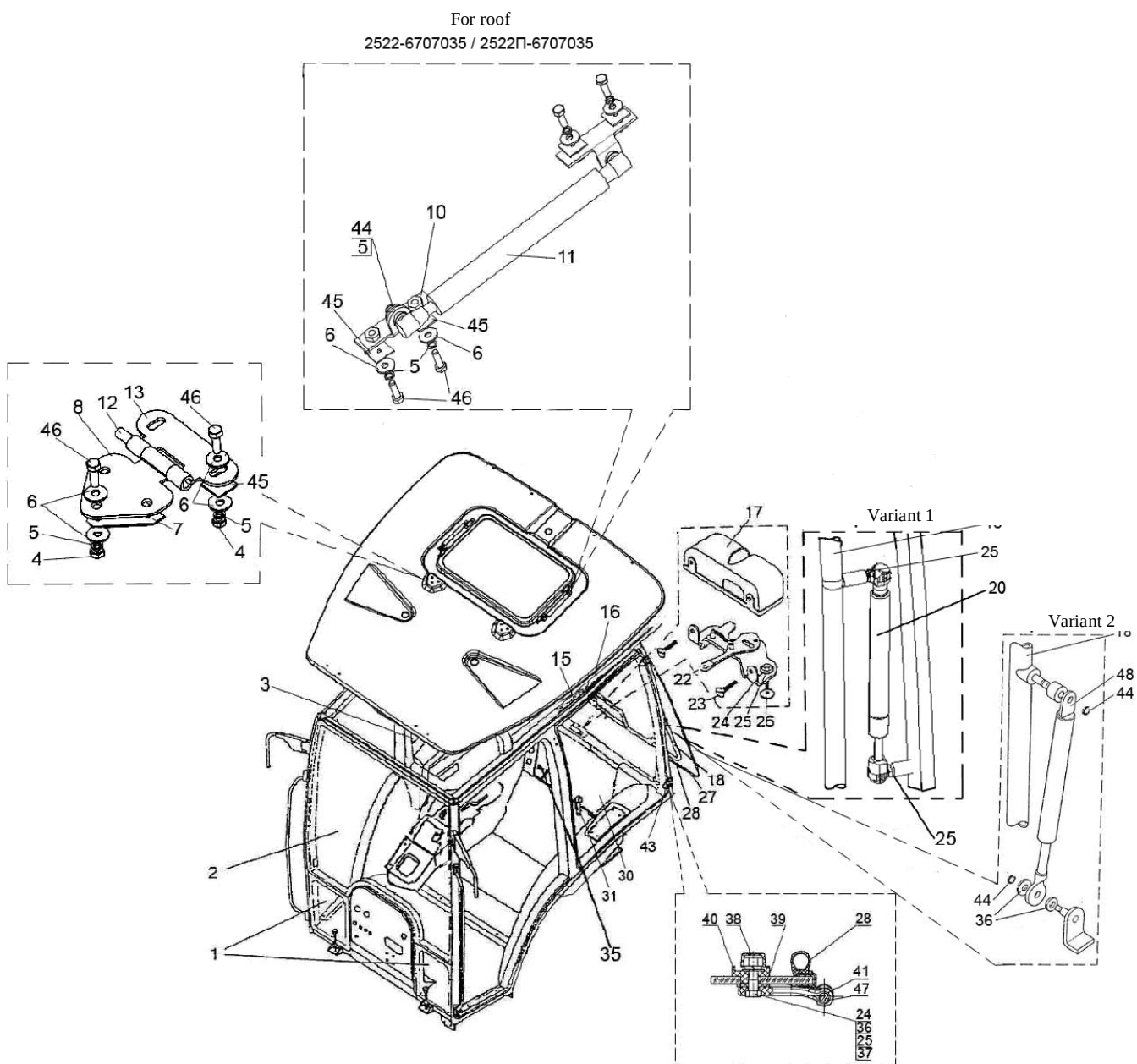


Fig. 67.4 Cab. Cab glasses.

Group 67. Cab
Subgroup 6703,6708. Cab glasses

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
67.4	36		6	Washer S 8.01.019 GOST 11371-78
	37		2	Nut M8-6N.6.019 GOST 5915-70
	38	A30.04.017-02	2	Cap
	39	80-6708904-B	2	Gasket
	40	80-6708903	2	Bushing
	41	2522-6708914-01	1	Hinge
	43	2522-6708914	1	Hinge
	44		8	Washer 5.65G.07.6 GOST 11648-75
	45	923-6707086	12	Gasket
	46		18	Bolt M6-6gh30.88.35.019 GOST 7798-70
	47	822-8700011	6	Pin
	48	2154	2	Airlift

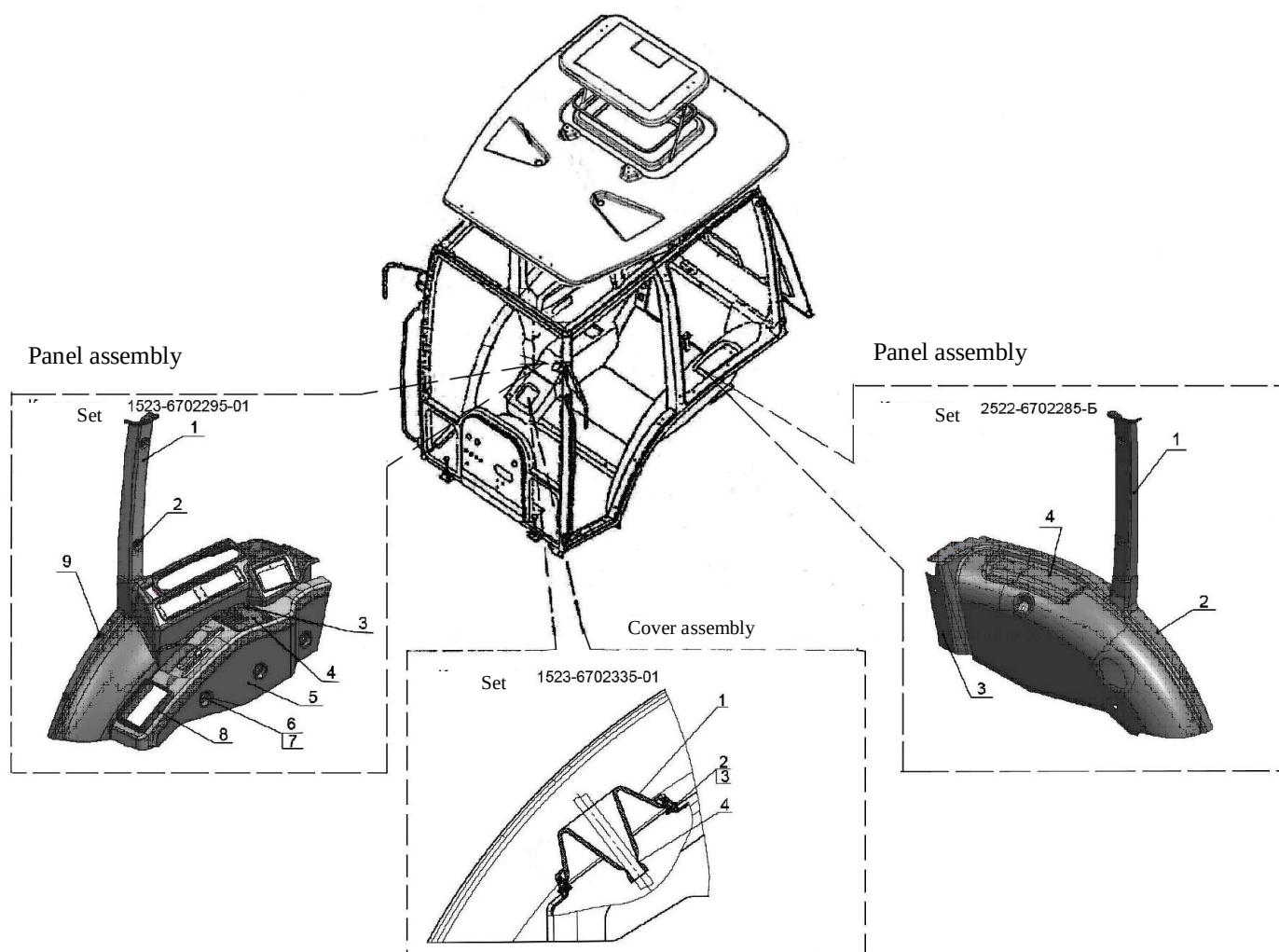


Fig. 67.5 Control panel assembly

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Group 67. Cab
Subgroup 6702. Control panel assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
67.5		Set		
		2522-6702285-B	1	Panel assembly
	1	2522P-6701070	1	Strap
	2		5	Screw M6h25 with press-washer
	3	80-6700167	6	Button
	4	2522P-6702335-02	1	Panel (without additional seat)
	4	2522-6702335	1	Panel (with additional seat)
		1523-6702295-01	1	Control panel assembly
	1	1523-6701075-B	1	Strap
	2	80-6700167	4	Button
	3		1	Screw M6h30 with press-washer
	4	1523-6702343	1	Cover
	5	1523-6702340-01	1	Panel
	6	A37.01.022	3	Washer
	7		3	Screw V.M6-6gh25.58.019 GOST 17473-80
	8	1523-6702342	1	Holddown clamp
	9		6	Screw M6h25 with press-washer
		1523-6702335-01	1	Cover assy
	1	1523-6702270	1	Cover
	2		6	Screw V.M4-6gh20.58.019 GOST 17473-80
	3		6	Washer S 4.01.019 GOST 11371-78
	4	80-3723045-01	1	Collar

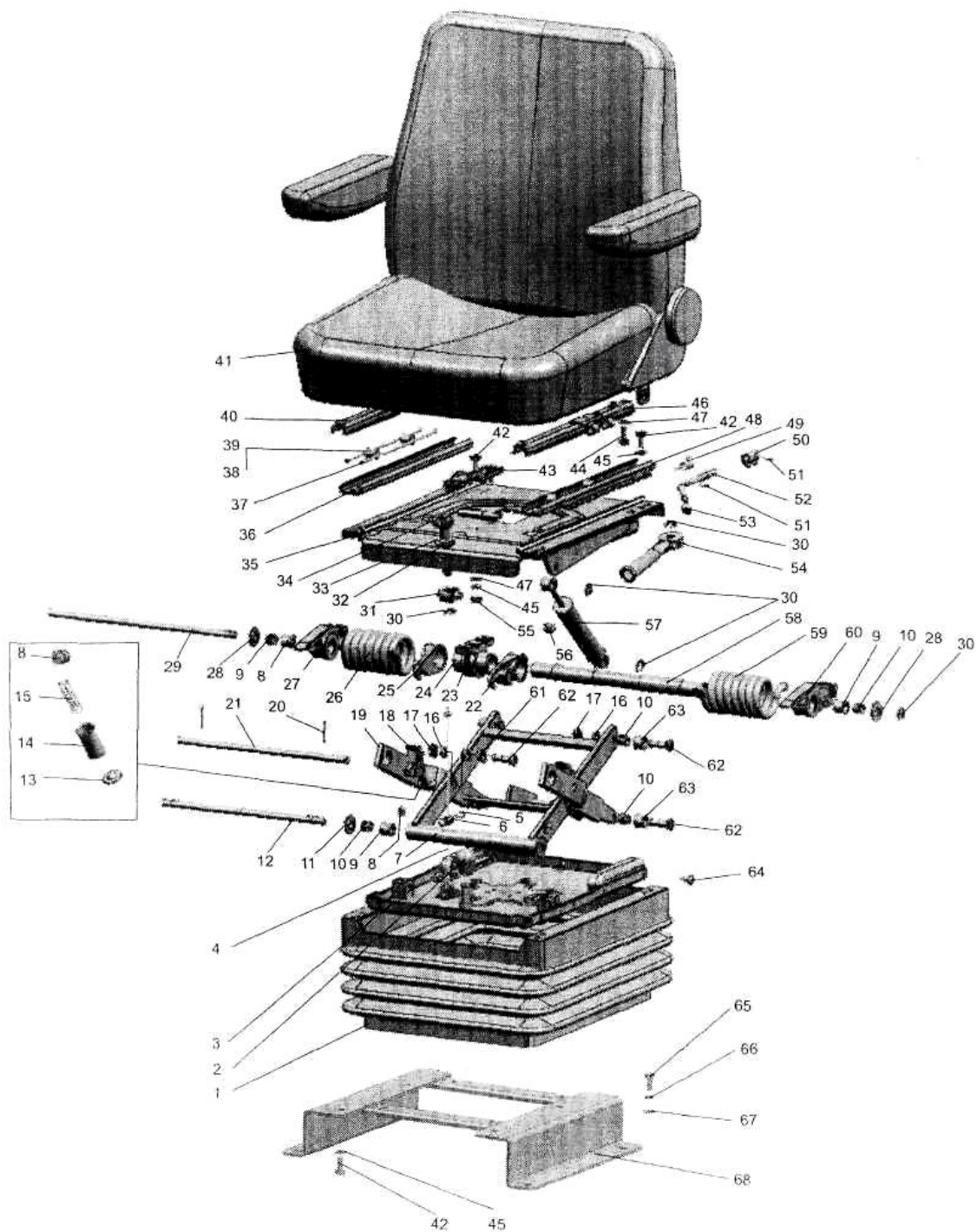


Fig. 68.1 Operator's seat

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
68.1		80-6800010	1	Seat (1-64)
		80-6800010-01	1	Seat (1-64)
	1	80V-6800108	1	Cover
	2	A61.01.014	1	Handle
	3	80V-6801560	1	Base
	4	80V-6801240	1	Cord
	5		2	Screw V.M5-6gh16.58.019 GOST 17473-80
	6	70-4803023	1	Clutch
	7	80V-6801590-B	1	Frame
	8	80V-6801521	4	Limit stop
	9	80V-6801512	4	Bushing
	10		8	Bearing K 12h16h13 E GOST 24310-80
	11	80V-6801033-01	2	Washer
	12	80V-6801508	1	Axle
	13	80V-6801519	2	Thrust collar
	14	80V-6801518	2	Sleeve
	15	80V-6801530-B	2	Spring
	16		6	Washer 10 OT OST 37.001.115-75
	17		6	Nut M10-6N.6.019 GOST 5915-70
	18	80V-6801581	2	Detent
	19	80V-6801570	1	Frame
	20		2	Split pin 4h22.019 GOST 397-79
	21	80V-6801012	1	Axle
	22	80V-6801004-01	1	Hook
	23	80V-6801001	1	Bracket
	24	80V-6801003	1	Axle
	25	80V-6801004	1	Hook
	26	80V-6801002	1	Spring
	27	80V-6801507	1	Sector segment
	28	80V-6801033	2	Washer
	29	80V-6801506	1	Axle
	30	70-6801307	5	Washer
	31	80V-6801023	1	Nut
	32	80V-6801008	1	Washer
	33		22	Ball 3,0-100 GOST 3722-81
	34	80V-6801152	1	Screw

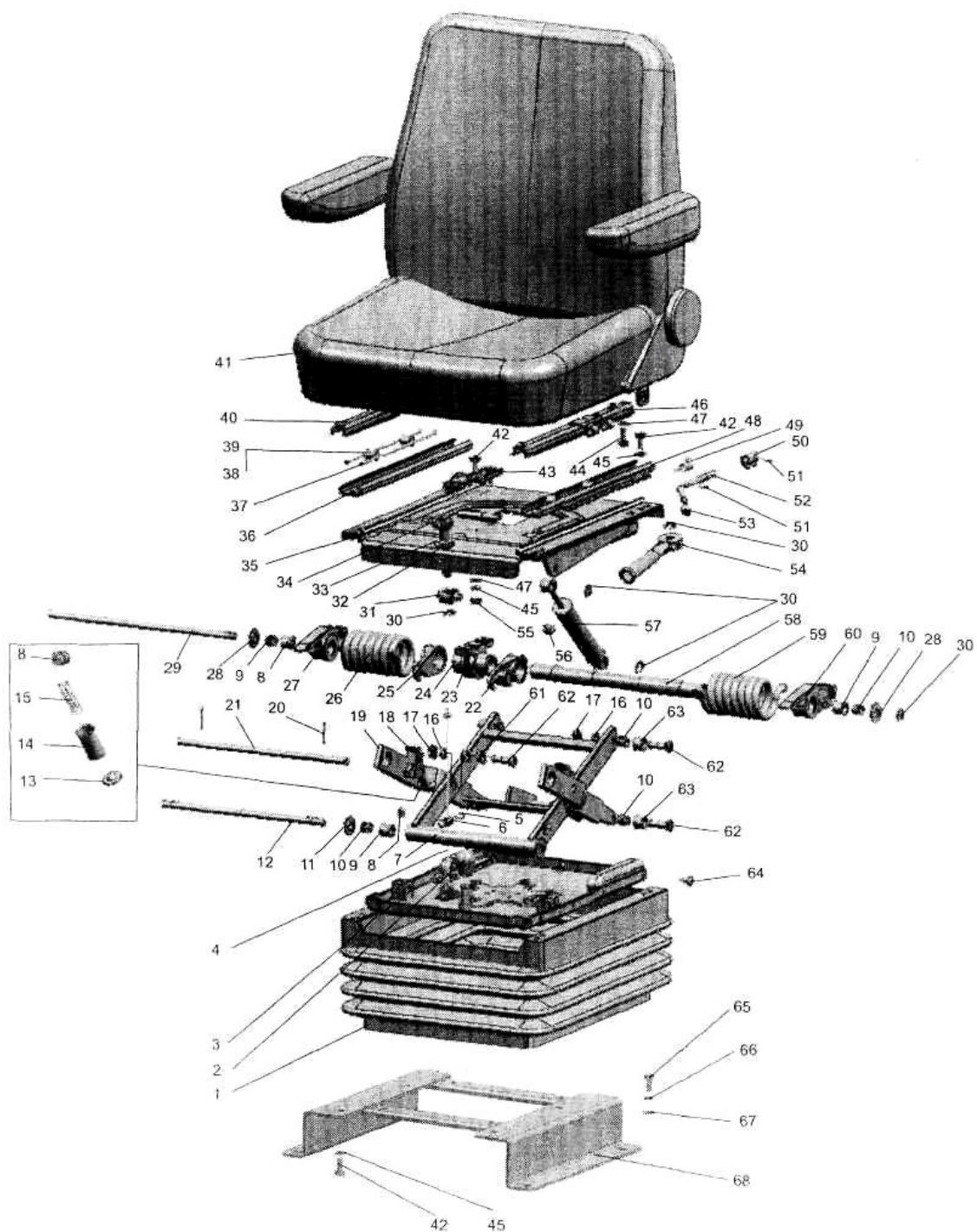


Fig. 68.1 Operator's seat

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
68.1	35	80-6801550	1	Panel
	36	80-6800104	1	Guide
	37	70-6804394-B	4	Rod
	38	70-6804391	4	Roller
	39		4	Ring 010-015-30-2-3 GOST 18829-73/GOST 9833-73
	40	80-6800110-01	1	Rail
	41	ST-154T.6800010	1	Seat
		ST-154TM.6800010	1	Seat
	42		11	Bolt M8-6gh20.88.35.019 GOST 7796-70
	43	80V-6801031	1	Stiffener
	44		4	Screw V.M8-6gh25.58.019 GOST 1491-80
	45		11	Washer 8T OST 37.001.115-75
	46	80-6800110	1	Rail
	47		6	Washer S.8.01.019 GOST 11371-78
	48	80-6800120	1	Guide
	49	80-6800103	1	Spring
	50	80-6800102	1	Stop member
	51	70-4202431-01	2	Dowel
	52	80-6800101	1	Handle
	53	70-6801082	1	Handle
	54	80V-6801150	1	Handle
	55		1	Nut M8-6N.04.019 GOST 5916-70
	56	80-6801531	6	Dashpot
	57	80-6809100-11	1	Shock adsorber
	58	80V-6801505	1	Shaft
	59	80V-6801002-01	1	Spring
	60	80V-6801507-01	1	Sector segment
	61	80V-6801526	4	Yoke
	62	80V-6801528	6	Axle
	63	80V-6801032	4	Roller
	64	80-6800006	20	Button
	65		4	Bolt M10-6gh25.88.35.019 GOST 7796-70
	66		4	Washer 10 OT OST 37.001.115-75
	67		4	Washer S 10.01.019 GOST 10450-78
	68	1522-6800010-B*	1	Bracket

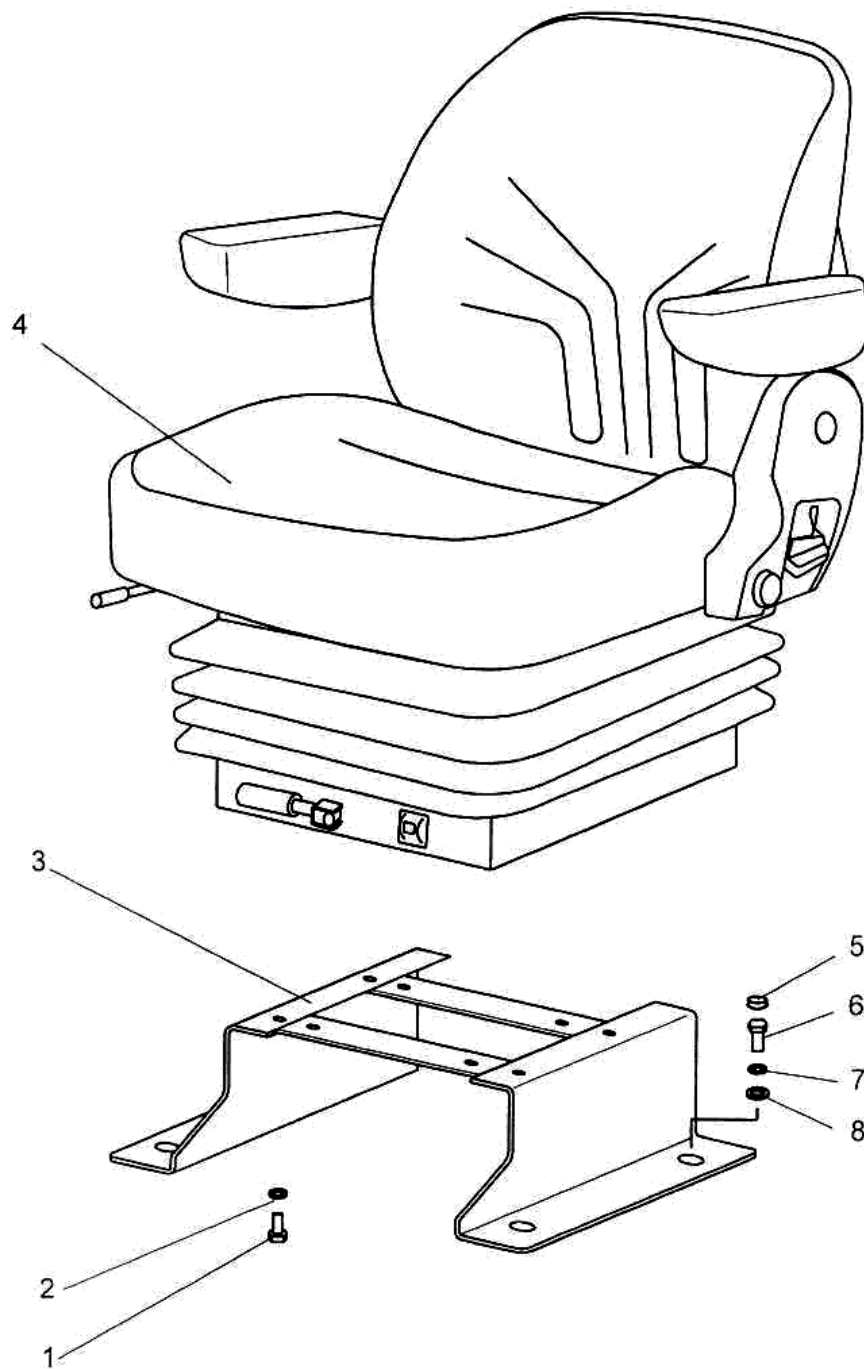


Fig. 68.2 Operator's seat

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

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
68.2		Grammer MSG85/721	1	Seat
	1		4	Bolt M8-6gh20.88.35.019 GOST 7796-70
	2		4	Washer 8T OST 37.001.115-75
	3	2522-6800010-B	1	Bracket
	4	Grammer MSG85/721	1	Seat
	5	A30.04.017-03	4	Cap
	6		4	Bolt M10-6gh55.88.35.019 GOST 7796-70
	7		4	Washer 10 OT OST 37.001.115-75
	8		4	Washer S 10.01.019 GOST 10450-78

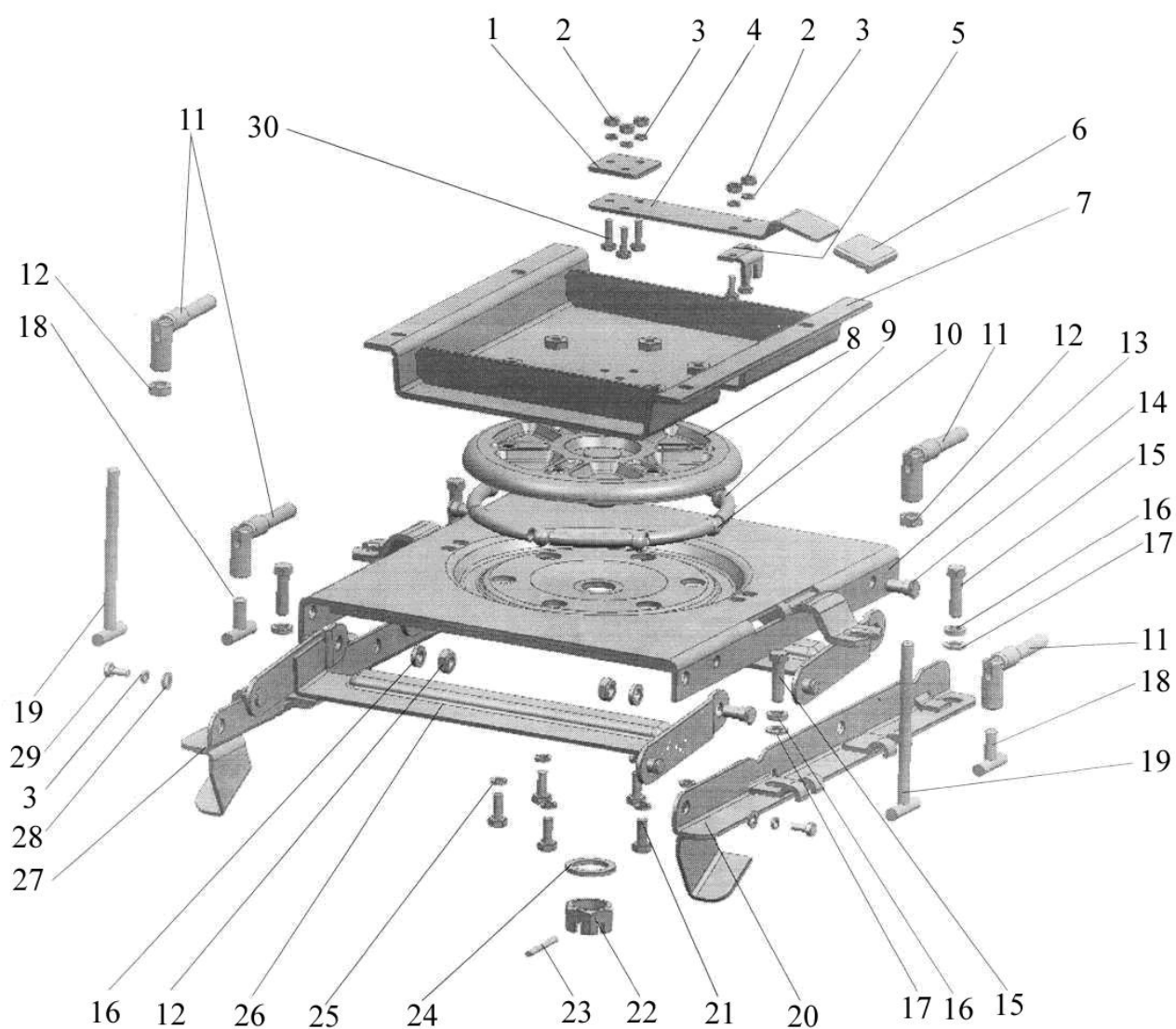
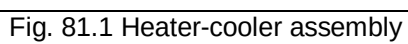


Fig. 68.3 Reverse mechanism

Group 68 Driver's seat
Subgroup 6807. Reverse mechanism

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
68.3		2522-6807000-01	1	Reverse mechanism
	1	80V- 6804014	1	Strap
	2		5	Nut M6-6N.6.019 GOST 5915-70
	3		9	Washer 6 T OST 37.001.115-75
	4	80V-6807009-B	1	Lever
	5	1522-6807101	1	Stop member
	6	80V-6804066	1	Strap
	7	1522-6807160	1	Panel
	8	80V-6807070	1	Disc
	9	80-1716041	8	Spring
	10		8	Ball 15,081-100 GOST 3722-81
	11	80V-6807040	4	Clip
	12		6	Nut M10-6N.6.019 GOST 5915-70
	13	2522-6807020	1	Panel
	14	2522-6807001	4	Bolt
	15		4	Bolt M10-6gh30.88.35.019 GOST 7796-70
	16		8	Washer 10 OT OST 37.001.115-75
	17		4	Washer S 10.01.019 GOST 10450-78
	18	80V-6807050	2	Screw
	19	1522-6807150	2	Screw
	20	2522-6807010	1	Bracket
	21		6	Bolt M8-6gh20.88.35.019 GOST 7796-70
	22	A04.02.020	1	Nut
	23		1	Split pin 5h45.019 GOST 397-79
	24		1	Washer S.27.01.019 GOST 11371-78
	25		6	Washer 8T OST 37.001.115-75
	26	2522-6807040	2	Piston rod
	27	2522-6807010-01	1	Bracket
	28		4	Washer 6 T OST 37.001.115-75
	29		6	Bolt M6-6gh14.88.35.019 GOST 7798-70
	30		3	Bolt M6-6gh20.88.35.019 GOST 7798-70



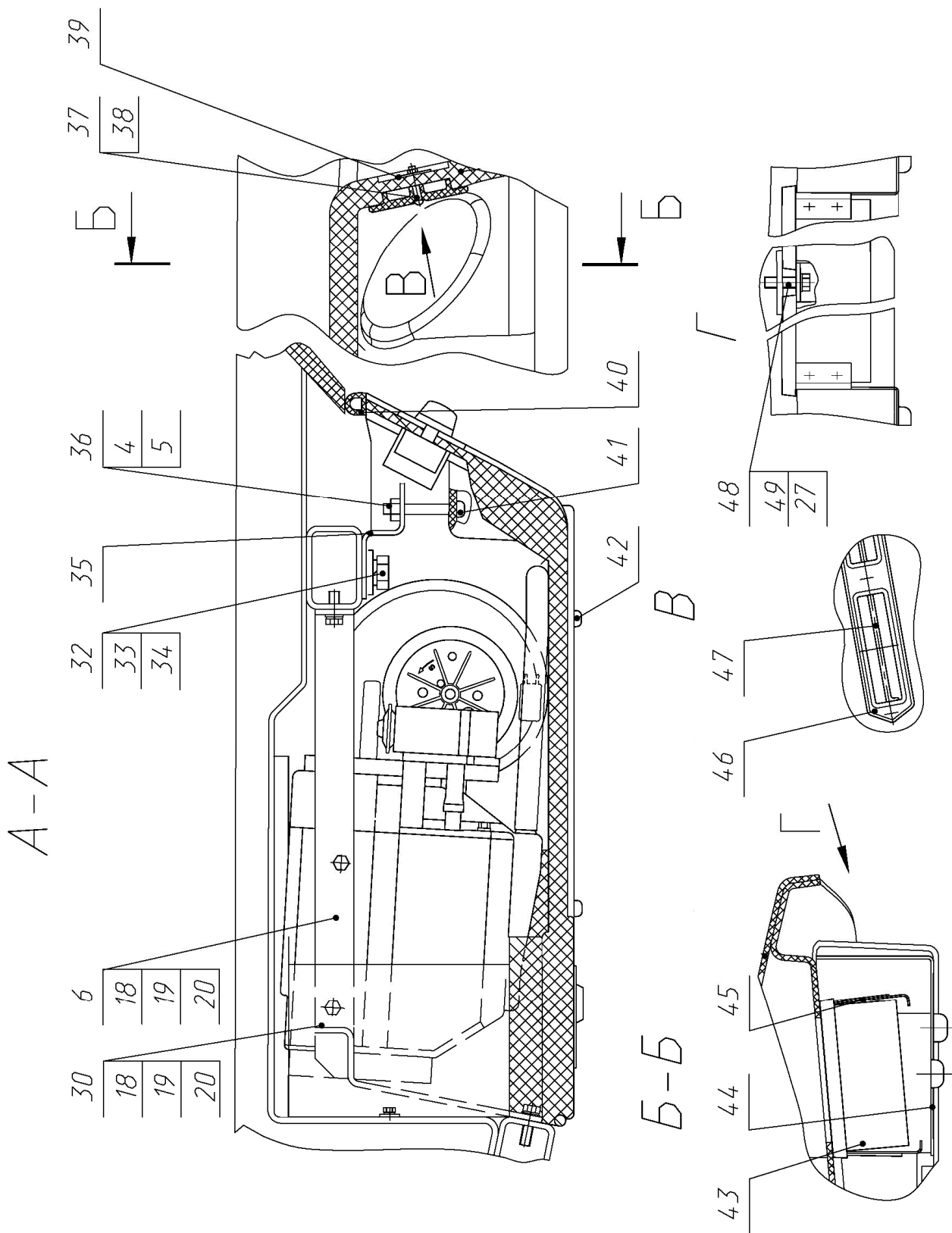


Fig. 81.2 Heater-cooler assembly

Group 81. Air-conditioning system
Subgroup 8101. Heater-cooler assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
81.1 81.2	1	90010GN	1	Hose N10*
	2	90006GN	1	Hose N6*
	3		2	Bolt M8-6gh25.88.35.019 GOST 7796-70
	4		4	Washer S 8.01.019 GOST 6958-78
	5		4	Washer 8T OST 37.001.115-75
	6	3022-8101020	1	Bracket
	7	70110FG027	1	Fitting*
	8	70110FG014	1	Fitting*
	9	U003CF041E	1	Climatic unit*
	10	3022-8101020-01	1	Bracket
	11	20-32/9-S6W	4	Clamp with worm thread
	12	2822DTS-8100014	1	Hose
	13		1	Valve PO 11
	14		2	Screw V.M5-6gh16.58.019 GOST 17473-80
	15		2	Nut M5-6N.6.019 GOST 5927-70
	16		2	Washer 5T OST 37.001.115-75
	17	1522-8101034	1	Bracket
	18		8	Bolt M6-6gh25.88.35.019 GOST 7798-70
	19		8	Washer S 6.01.019 GOST 11371-78
	20		8	Washer 6T OST 37.001.115-75
	21	1522-8101012-04	1	Hose
	22	3022-8101011-02	1	Hose
	23	3022-8101012	2	Pipe
	24	1522-8104100	6	Deflector
	25	0682164	1	Switch Fana
	26	067060/1	1	Temp/speed panel *
	27	068407/0	2	Handle*
	28	068011/1	1	Thermostat*
	29		2	Pipe*
	30	3022-8101017	1	Wall
	31	1522-8101110-B or 1522P-8101110 or OT 1522-8101110	1	Panel
	32		2	Bolt M16-6gh25.88.35.019 GOST 7796-70
	33		2	Washer S 16.01.019 GOST 6958-78
	34		2	Washer 16T OST 37.001.115-75
	35	3022-8101100	2	Bracket
	36		2	Bolt M8-6gh65.88.35.019 GOST 7796-70
	37		3	Screw V.M6-6gh40.58.019 GOST 17473-80
	38		3	Nut M6-6N.6.019 GOST 5915-70
	39	2522-6105021	3	Washer
	40		1	Sealant SD-1-04
	41	A30.04.017-01	2	Cap
	42	A30.04.017	12	Cap
	43		4	Filtering element V 4702 TU BY 500218629.019-2006
	44	1522-8104023-A	2	Grille
	45	1522-8104030	2	Frame
	46	80-8100011-B	1	Cover
	47	80-8100012	2	Screen
	48		14	Bolt M6-6gh30.88.35.019 GOST 7796-70
	49		22	Washer S 6.01.019 GOST 11371-78

* is part of conditioner's set MT8100000

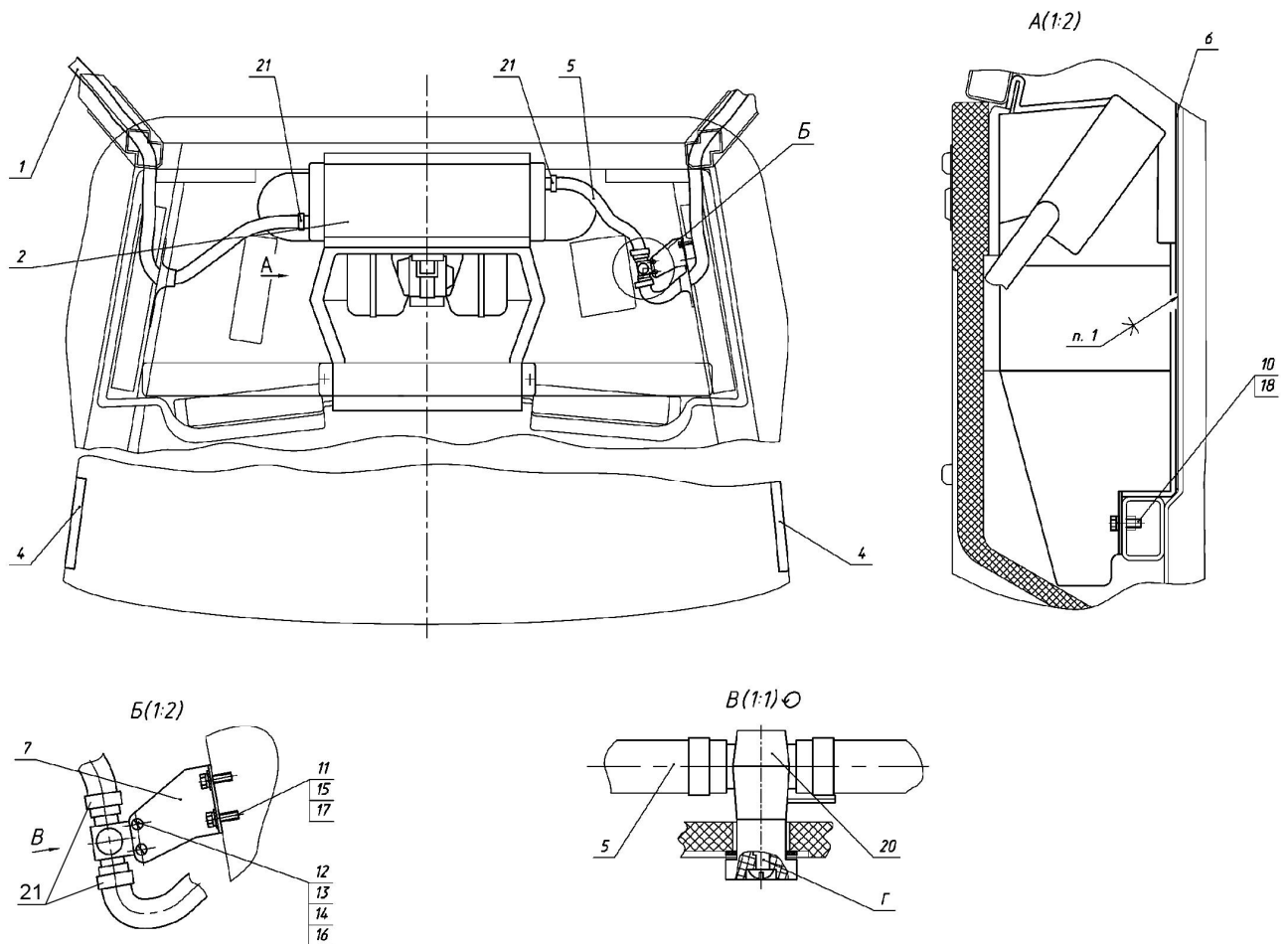


Fig. 81.3 Heating and ventilation system

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1523.5

**Group 81. Air-conditioning system
Subgroup 8100. Heating and ventilation system**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
81.3		1522-8101010-B	1	Heating system and ventilation
	1	1523-8101080	1	Heater fittings
	2	1522-8101100	1	Heater-fan
	4	2522-8104010	2	Filter assembly
	5	1522-8101012-06	1	Hose
	6	1522-8101013-02	1	Sealant
	7	1522-8101034	1	Bracket
	10		2	Bolt M8-6gh25.88.35.019 GOST 7796-70
	11		2	Bolt M6-6gh25.88.35.019 GOST 7798-70
	12		2	Screw V.M5-6gh16.58.019 GOST 17473-80
	13		2	Nut M5-6N.6.019 GOST 5915-70
	14		2	Washer S.5.01.019 GOST 11371-78
	15		2	Washer S.6.01.019 GOST 11371-78
	16		2	Washer 5 T OST 37.001.115-75
	17		2	Washer 6 T OST 37.001.115-75
	18		2	Washer 8T OST 37.001.115-75
	20		1	Valve PO 11
	21		4	Clamp "NORMA" TORRO 20-32/9-C6W or Clamp/Clamp NORMA TORRO 20- 32/971

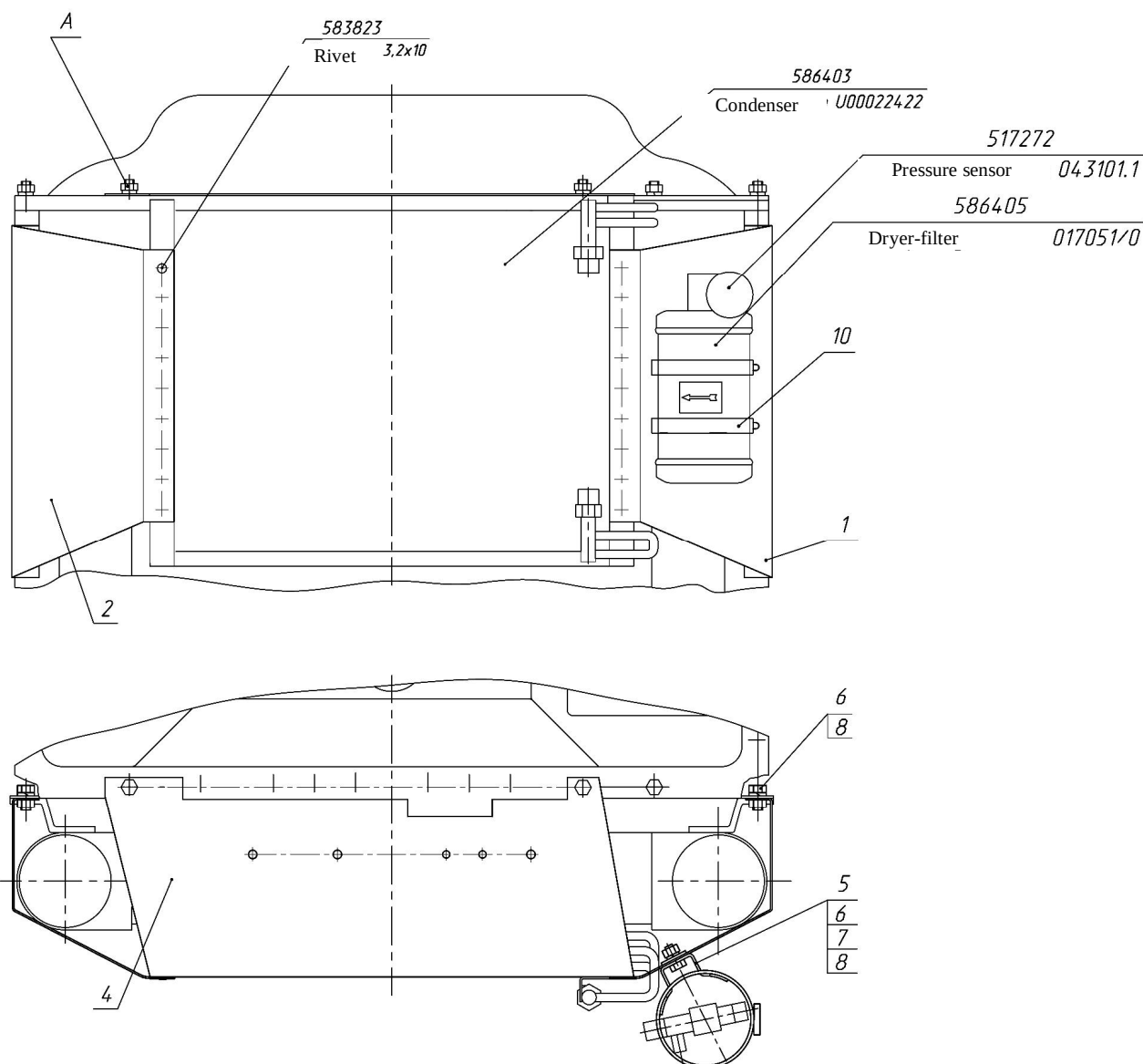


Fig. 81.4 Condenser assembly

Group 81. Air-conditioning system
Subgroup 8112. Condenser assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
81.4		1523-8112010	1	Condenser assembly
	1	1523-8112020	1	Bracket
	2	1523-8112020-01	1	Bracket
	4	1523-8112011	1	Plate
	5	3022-8112011	1	Bracket
	6		5	Bolt M8-6gh16.88.35.019 GOST 7796-70
	7		1	Nut M8-6N.6.019 GOST 5915-70
	8		5	Washer 8T OST 37.001.115-75
	10		2	Clamp "NORMA" TORRO 70-90/9-C6W or Clamp/Clamp NORMA TORRO 70-90/971



Group 81.Air-conditioning system
Subgroup 8112. Filter assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
81.5		2522-8104010	2	Filter assembly
	1	1522-8104030	1	Frame
	2	1522-8104023-A	1	Grille
	3	A30.04.017	4	Cap
	5		4	Bolt M6-6gh25.88.35.019 GOST 7798-70
	6		1	Bolt M6-6gh30.88.35.019 GOST 7798-70
	7		5	Washer S 6.01.019 GOST 6958-78
	8		5	Washer 6 T OST 37.001.115-75
	10		2	Filtering element V4702 TU BY 500218629.019-2006 or Filtering element V4702 TU BY 50004498.015-2010

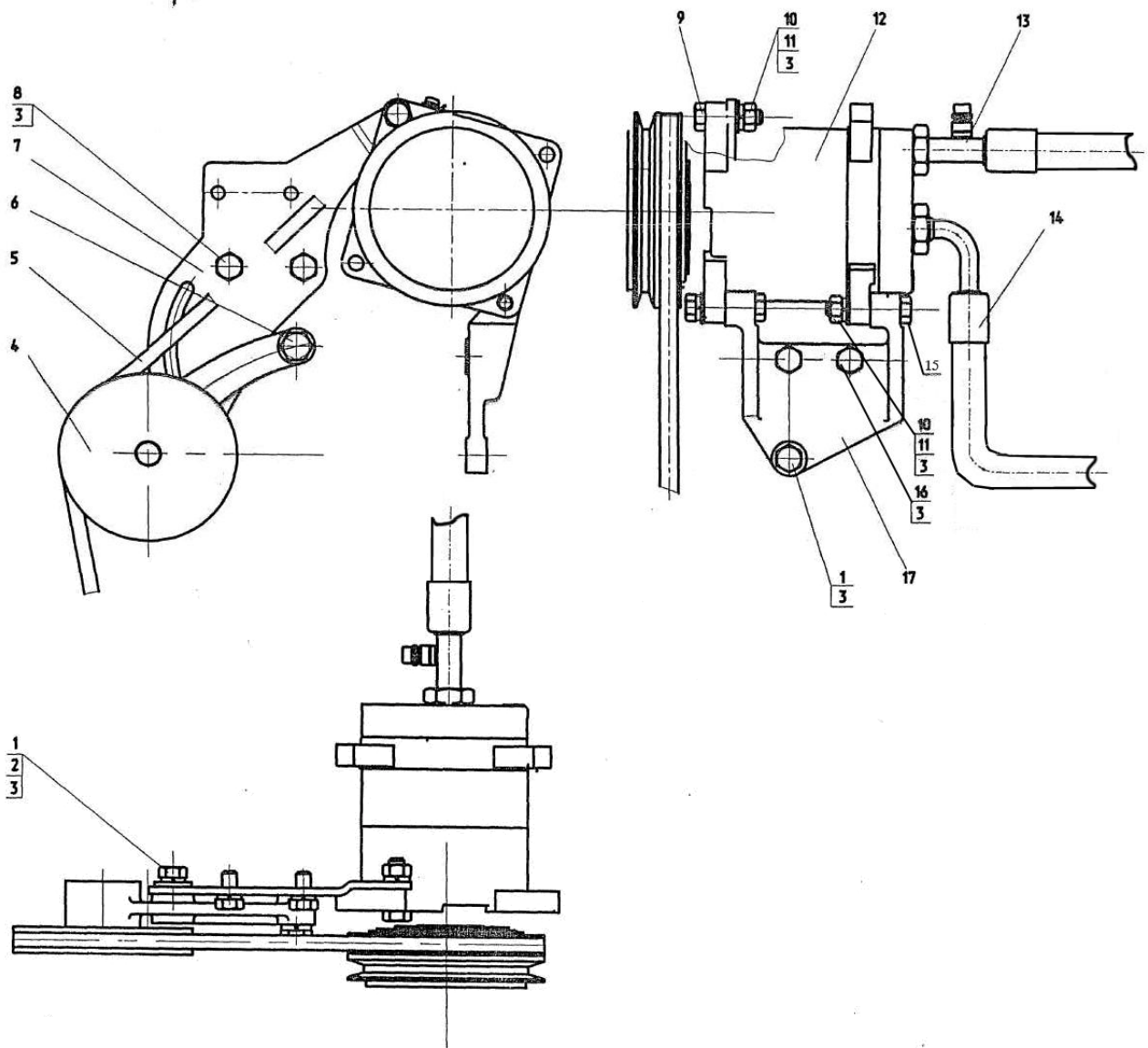


Fig. 81.6 Compressor assembly

Group 81. Air-conditioning system assembly
Subgroup 8114. Compressor assembly

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
81.6	1		2	Bolt M10-6gh30.88.35.019
	2	50-1002073	1	Washer
	3		9	Washer 10 OT OST 37.001.115-75
	4	1221-8114070	1	Tension lever
	5		1	Toothed belt SPAS – 1650 STOMIL EAST, Polen or SPA – 1657
	6		1	Bolt M12-6gh35.109.40H.019
	7	1523-8114021	1	Plate
	8		2	Bolt M10-6gx16.88.35.019
	9		1	Bolt M10-6gx35.88.35.019
	10		1	Nut M10-6N.6.019
	11		1	Washer S.10.01.08kp.019
	12		1	Compressor 015200
	13		1	Fitting 70110FG160
	14		1	Fitting 70108FG162
	15		2	Bolt M10-6gx50.88.35.019
	16	260-3701068	2	Special bolt
	17	1221-8114022	1	Bracket
	18		1	Washer 12 OT OST 37.001.115-75

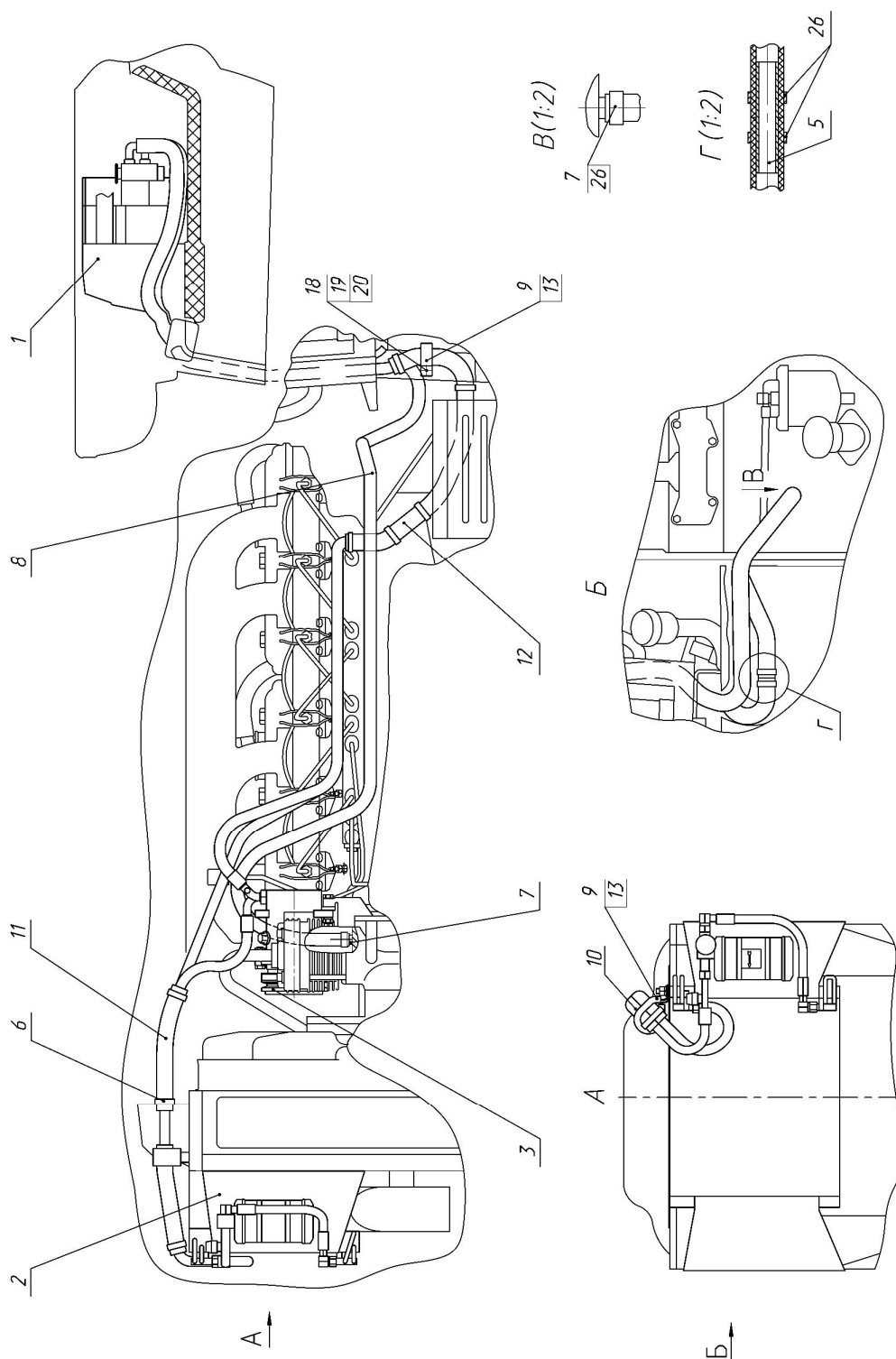


Fig.81.7 Air-conditioner assembly

**Group 81.Air-conditioning system
Subgroup 8100. Air-conditioner assembly**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
81.7		1522.4-8100005	1	Air-conditioner assembly
	1	2022-8101010	1	Heater-cooler assembly
	2	1523-8112010	1	Condenser assembly
	3	1523-8114020	1	Compressor assembly
	5	70-6702306	1	Bushing
	6	80-3723045-01	20	Collar
	7	80-8100023	2	Fitting
	8	80-8101015	1	Hose (Hose pipe 16h25 L=2100 mm)
	9	923-3723012	2	Clamp
	10	2822DTS-8100012	1	Hose (Hose pipe 20h29 L = 150 mm)
	11	2822DTS-8100013-01	2	Hose (Hose pipe 20h29 L = 300 mm)
	12	2822DTS-8100013-03	2	Hose (Hose pipe 20h29 L = 1500mm)
	13	3022-8100011	2	Pipe
	18		1	Bolt M8-6gh16.88.35.019 GOST 7796-70
	19		1	Nut M8-6N.6.019 GOST 5915-70
	20		1	Washer 8T OST 37.001.115-75
	24	MT8100000-02	1	Conditioner
	26		6	Clamp/Clamp NORMA TORRO 16-27/971 or Clamp "NORMA" TORRO 16-25/9-C6W

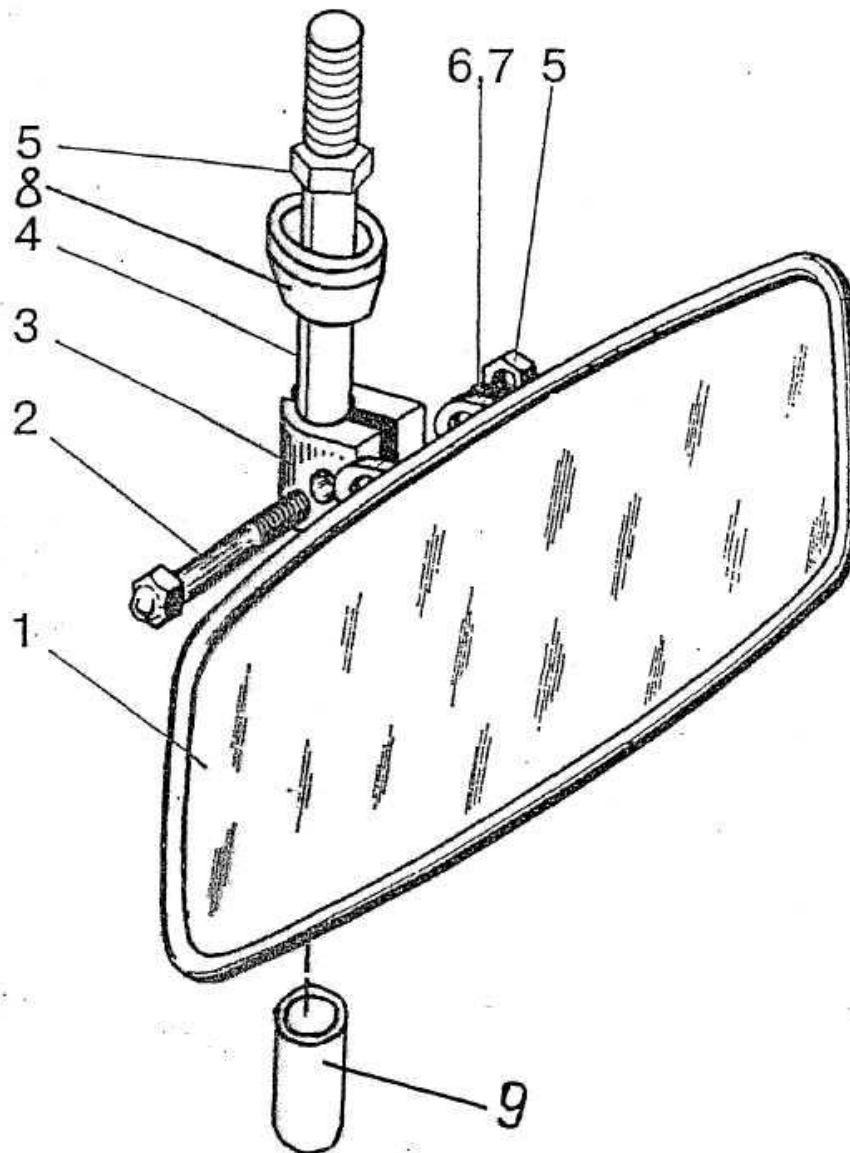


Fig. 82.1 Inside mirror

Group 82. Cab accessories
Subgroup 8201. Inside mirror

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
82.1		2522-8201090	1	Inside mirror assembly (1, 4, 5, 8, 9)
	1	80-8201030	1	Inside mirror (2, 3, 5, 6, 7)
	2		1	Bolt M8-6gh30.88.35.019 GOST 7796-70
	3	A30.04.071	1	Clamp
	4	2522-8201091	1	Axle
	5		2	Nut M8-6N.6.019 GOST 5915-70
	6		1	Washer S.8.01.019 GOST 11371-78
	7		1	Washer 8T OST 37.001.115-75
	8	2522-8201092	1	Cap
	9	70-6700103	1	Cap

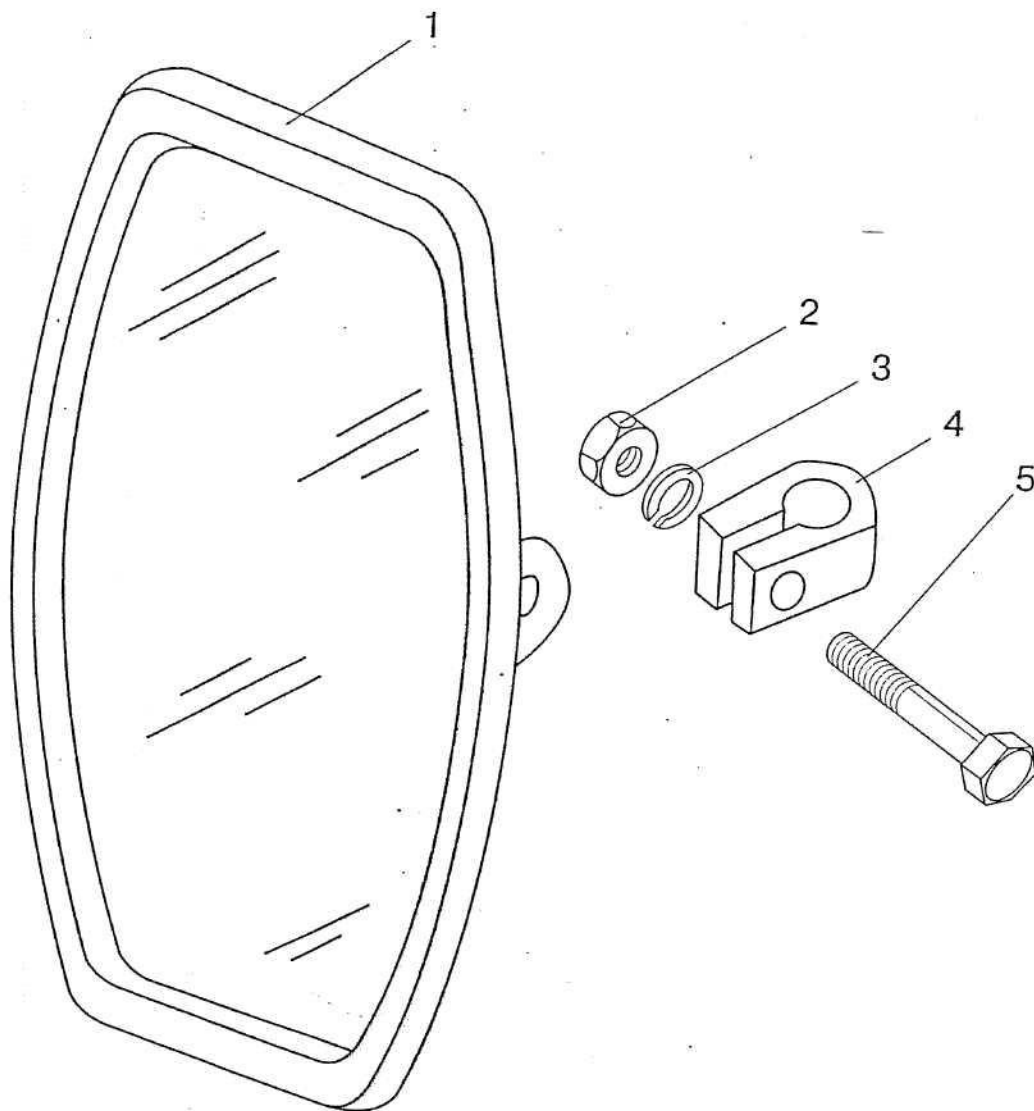


Fig. 82.2 Outside mirror

Group 82. Cab accessories
Subgroup 8201. Outside mirror

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
82.2	1	80-8201055	2	Outside mirror
	2		2	Nut M8-6N.6.019 GOST 5915-70
	3		2	Washer S.8.01.019 GOST 11371-78
	4	A30.04.051	2	Clamp
	5		2	Bolt M8-6gh40.88.35.019 GOST 7796-70

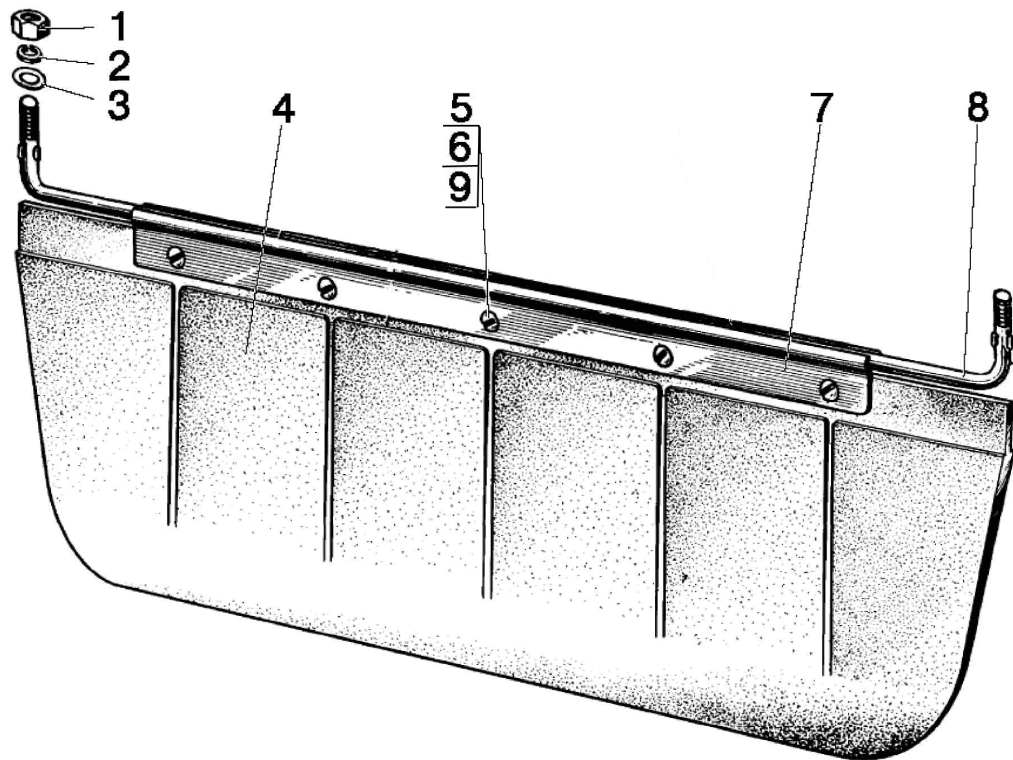


Fig. 82.3 Sun visor

Group 82. Cab accessories
Subgroup 8201. Sun visor

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
82.3		80P-8204010	1	Sun visor (4-8)
	1		2	Nut M6-6N.6.019 GOST 5915-70
	2		2	Washer 6T OST 37.001.115-75
	3		2	Washer S 6.01.019 GOST 6958-78
	4	70-8204011-A	1	Sun visor
	5		5	Screw V.M4-6gh10.58.019 GOST 17473-80
	6		5	Nut M4-6N.6.019 GOST 5927-70
	7	70-8204014	2	Holder
	8	80P-8204011-01	1	Axle
	9		5	Washer 4 OST 37.001.115-75

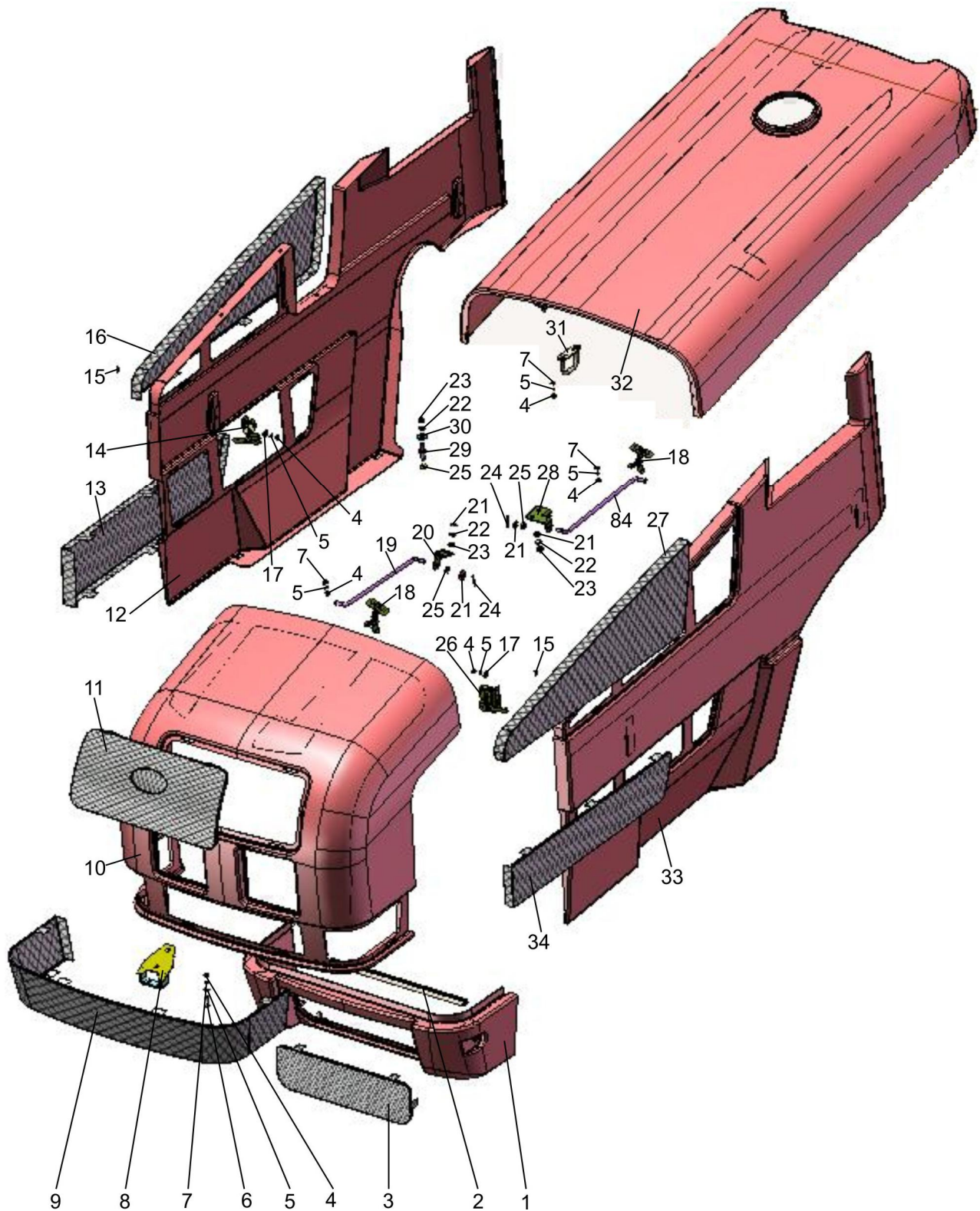


Fig. 84.1 Facing

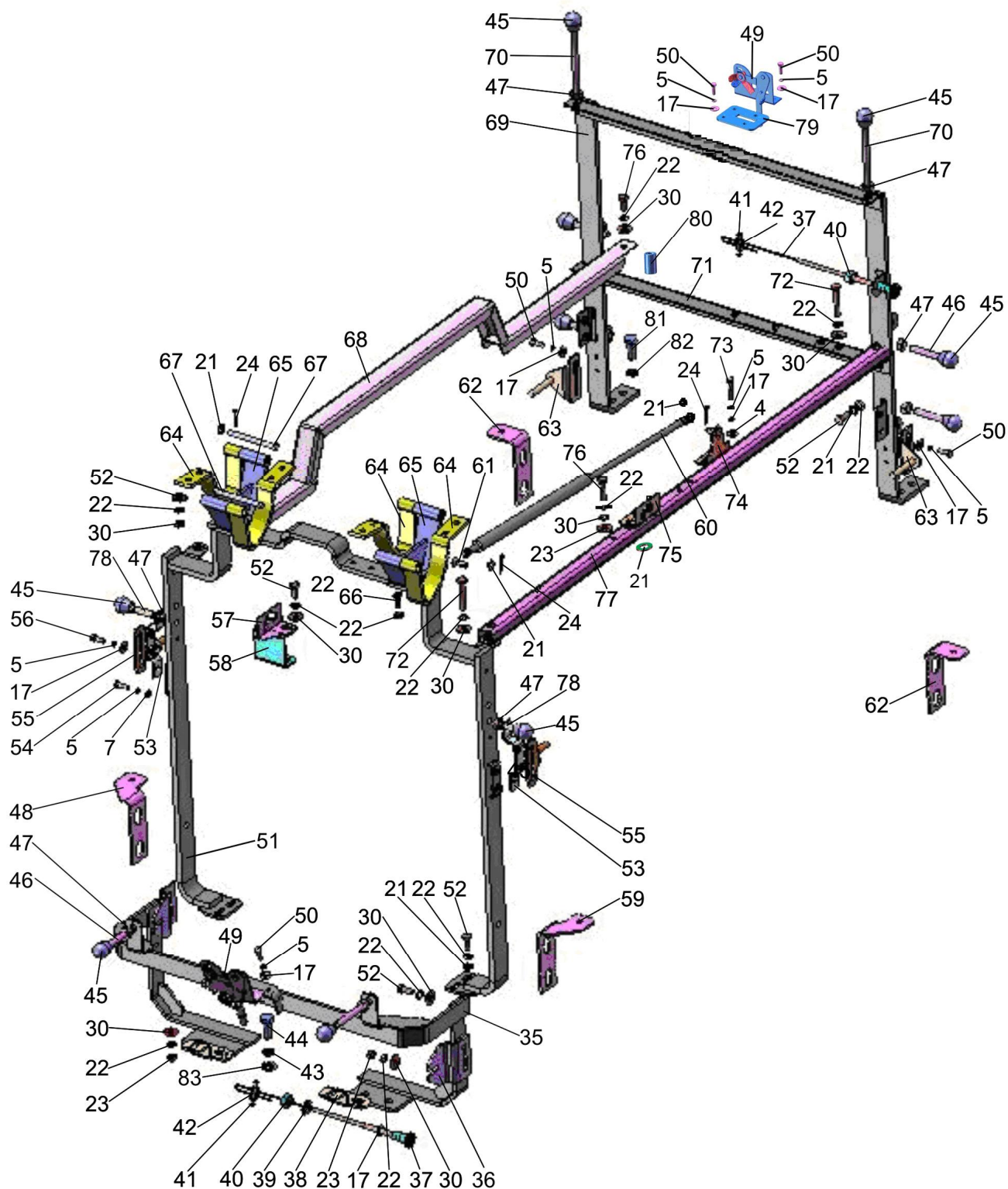


Fig. 84.2 Facing

**Group 84. Hood and fenders
Subgroup 8400. Facing**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
84.1 84.2	1	8400.001	1	Apron OT-1523.25.000
	2	A 37.08.045	1	Sealant
	3	923-8401088	1	Grille
	4	M6-6N.6.019	18	Nut GOST 5915-70
	5	6T	36	Washer OST 37.001.115-75
	6	V.M6-6gh40.58.019	2	Screw GOST 17475-86
	7	S6.01.019	10	Washer GOST 11371-78
	8	1523-8402420	1	Clip
	9	1523-8401087	1	Grille
	10	8400.002	1	Mask OT-1523.15.000
	11	950.3-8401090	1	Grille
	12	685492	1	Side member OT-1523.10.000-01
	13	1523-8402318	1	Grille
	14	923-8402410-01	2	Lock
	15*	5842.01	8	Screw M4.2h13
				Tapping screw WFS-4213
				Screw 4.2h13.TS6.chr.
				TU VY400024166.012-2008
	16	1523.4-8402322	1	Grille
	17	S6.01.019	25	Washer GOST 6958-78
	18	950.3-8400050	2	Clip
	19	90-8400070-01	1	Rod
	20	950.3-8400101	1	Bracket
	21	S8.01.019	20	Washer GOST 11371-78
	22	8T	42	Washer OST 37.001.115-75
	23	M8-6N.6.019	22	Nut GOST 5915-70
	24	3.2h25.019	8	Split pin GOST 397-79
	25	549A-1305044	6	Ring
	26	923-8402410	2	Lock
	27	1523-8402319	1	Grille
	28	950.3-8400102	1	Bracket
	29	923-8400011	4	Detent
	30	S8.01.019	30	Washer GOST 6958-78
	31	1221.5-8402420	1	Clip
	32	8400.003	1	Hood OT-1523.20.000
	33	8400.004	1	Side member OT-1523.05.000
	34	950.3-8402318	1	Grille
	35	1523-8402030	1	Frame
	36	1523-8402041	2	Bracket
	37	822-8400080-03	2	Control cable
	38	1523-8402039	2	Bracket
	39	S12.01.019	1	Washer GOST 11371-78
	40	M12h1.25-6N.6.019	2	Nut GOST 5915-70
	41	V.M5-6gh12.58.019	4	Screw GOST 17473-80
	42	70-4803023	2	Clutch
	43	10 OT	4	Washer OST 37.001.115-75
	44	M10-6gh30.88.35.019	4	Bolt GOST 7796-70
	45	70-3401093	10	Lever end

**Group 84. Hood and fenders
Subgroup 8400. Facing**

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
84.1 84.2	46	923-8400033	6	Rod
	47	M10-6N.6.019	10	Nut GOST 5915-70
	48	920-8400140	1	Support
	49	80-8402410	2	Lock
	50	M6-6gh16.88.35.019	10	Bolt GOST 7798-70
	51	1523-8402060	1	Arc
	52	M8-6gh20.88.35.019	13	Bolt GOST 7796-70
	53	1523-8402085	2	Bracket
	54	M6-6gh14.88.35.019	4	Bolt GOST 7798-70
	55	1321-8402095-B	2	Detent
	56	M6-6gh20.88.35.019	4	Bolt GOST 7798-70
	57	923-8400060	1	Bracket
	58	1523-8400170	1	Support
	59	920-8400140-01	1	Support
	60*	6700.01	1	Gas stud 11.6.6308010
				TU RB 500032891.095-2003
				Airlift PLA 21054A
				Airlift 049670
	61	80-6707096	1	Axle
	62	923-8400140-01	2	Support
	63	923-8402095-B	2	Detent
	64	1523-8400045	4	Hinge
	65	923-8400040	2	Support
	66	M8-6gh30.88.35.019	4	Bolt GOST 7796-70
	67	923-8400031	4	Axle
	68	1222.4-8402045	1	Buckle
	69	1523-8402070	1	Post
	70	923-8400033-02	2	Rod
	71	1523-8402110	1	Strip
	72	M8-6gh40.88.35.019	2	Bolt GOST 7795-70
	73	M6-6gh45.88.35.019	2	Bolt GOST 7795-70
	74	80-6708225	1	Bracket
	75	90-8400012-B	1	Bracket
	76	M8-6gh50.88.35.019	3	Bolt GOST 7795-70
	77	1221.4-8400086	1	Buckle
	78	M10-3p/6gh45.66.019	2	Stud GOST 22034-76
	79	1221.5-8402075	1	Plate
	80	2522-6702066	1	Bushing
	81	M12-6gh30.88.35.019	2	Bolt GOST 7796-70
	82	12 OT	2	Washer OST 37.001.115-75
	83	S10.01.019	4	Washer GOST 6958-78
	84	90-8400070	1	Rod

* on availability

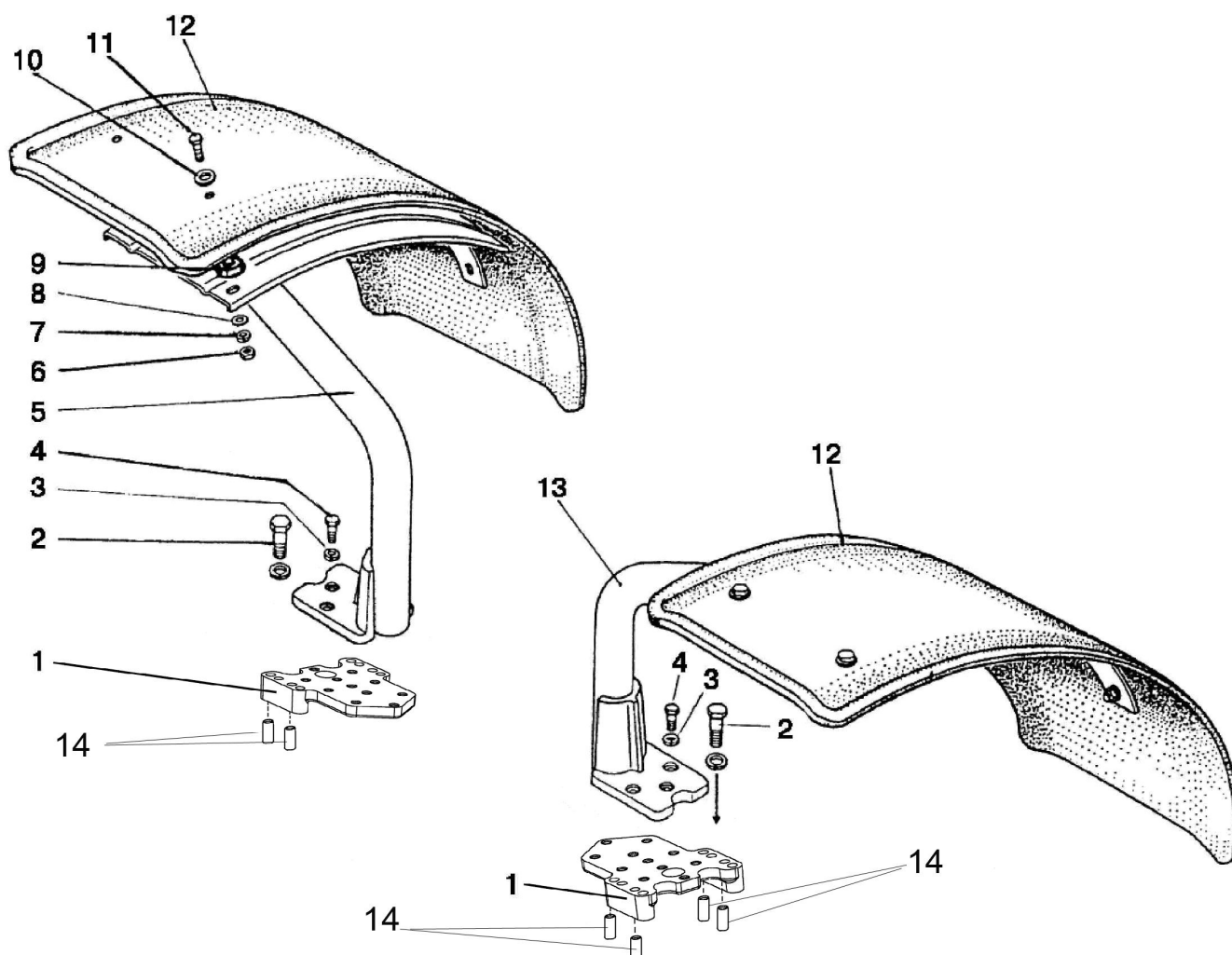


Fig. 84.3 Front wheel fenders

Group 84. Hood and fenders
Subgroup 8403. Front wheel fenders

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
84.3		2022-8403010	1	Fender
		2022-8403010-01	1	Fender
	1	822-8403011-B	2	Base
	2		8	Bolt M12-6gh85.88.35.019 GOST 7796-70
	3		14	Washer 12 OT OST 37.001.115-75
	4		6	Bolt M12-6gh30.88.35.019 GOST 7796-70
	5	2022-8403015-01	1	Post
	6		10	Nut M10-6N.6.019 GOST 5915-70
	7		10	Washer 10L OST 37.001.115-75
	8		10	Washer S 10.01.019 GOST 6958-78 d=21 mm
	9	80-4616017	10	Roller
	10		10	Washer S.10.01.019 GOST 11371-78 d=30 mm
	11		10	Bolt M12-6gh25.88.35.019 GOST 7796-70
	12	1221-8403014-B-02 or 1221-8403014-B1-02	2 2	Fender Fender
	13	2022-8403015	1	Post
	14	2022-8403012	8	Bushing

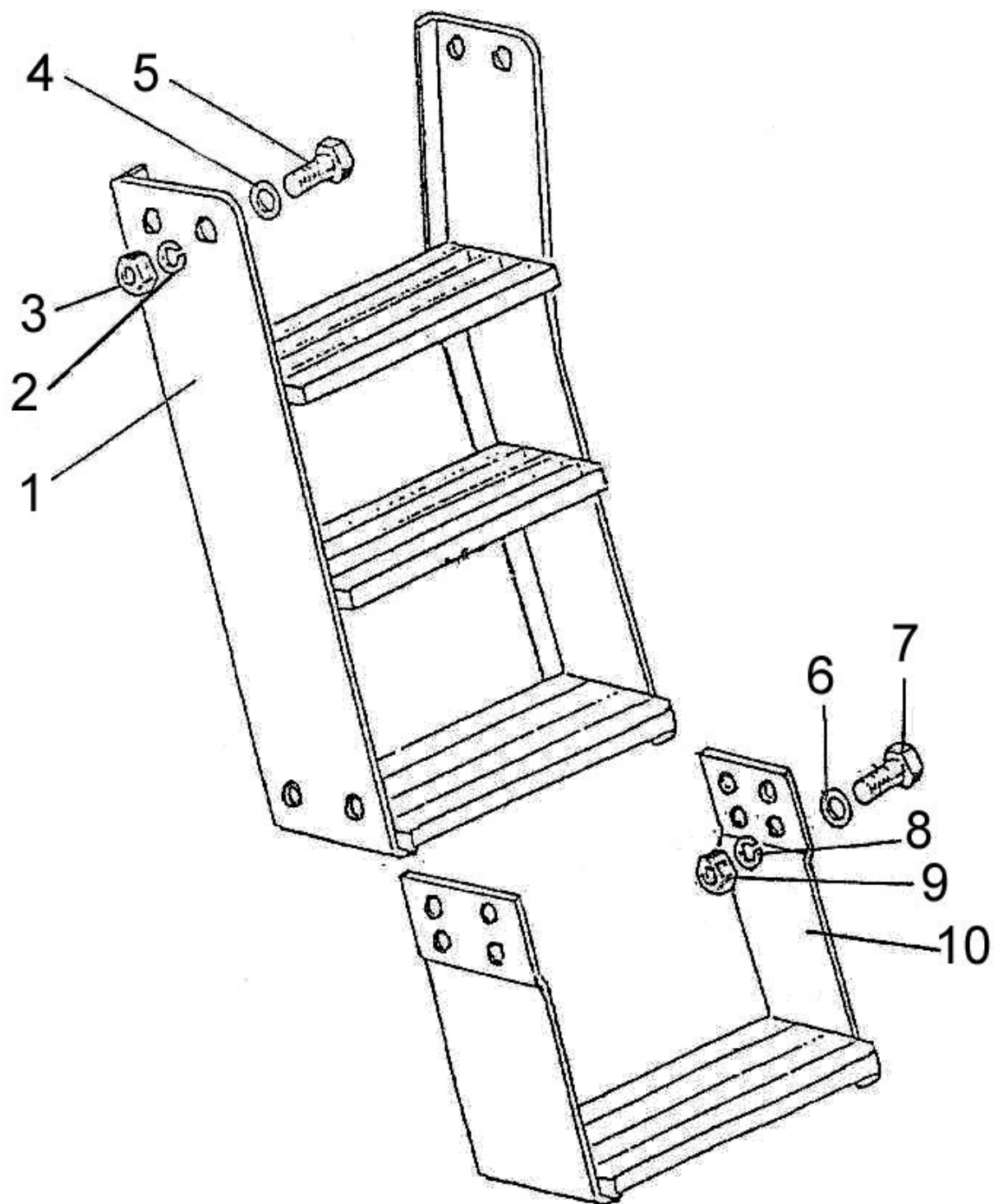


Fig. 84.4 Foot step

Group 84. Hood and fenders
Subgroup 8405. Foot step

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
84.4		1522-8405005	1	Foot step (1-10)
	1	2522-8405010	1	Foot step
	2		4	Washer 10 OT OST 37.001.115-75
	3		4	Nut M10-6N.6.019 GOST 5915-70
	4		4	Washer S.10.01.019 GOST 11371-78
	5		4	Bolt M10-6gh25.88.35.019 GOST 7796-70
	6		1	Washer S 12.01.019 GOST 6958-78
	7		4	Bolt M12-6gh35.88.35.019 GOST 7796-70
	8		4	Washer S 12.01.019 GOST 6958-78
	9		4	Nut M12-6N.6.019 GOST 5915-70
	10	2522-8405020	1	Foot step

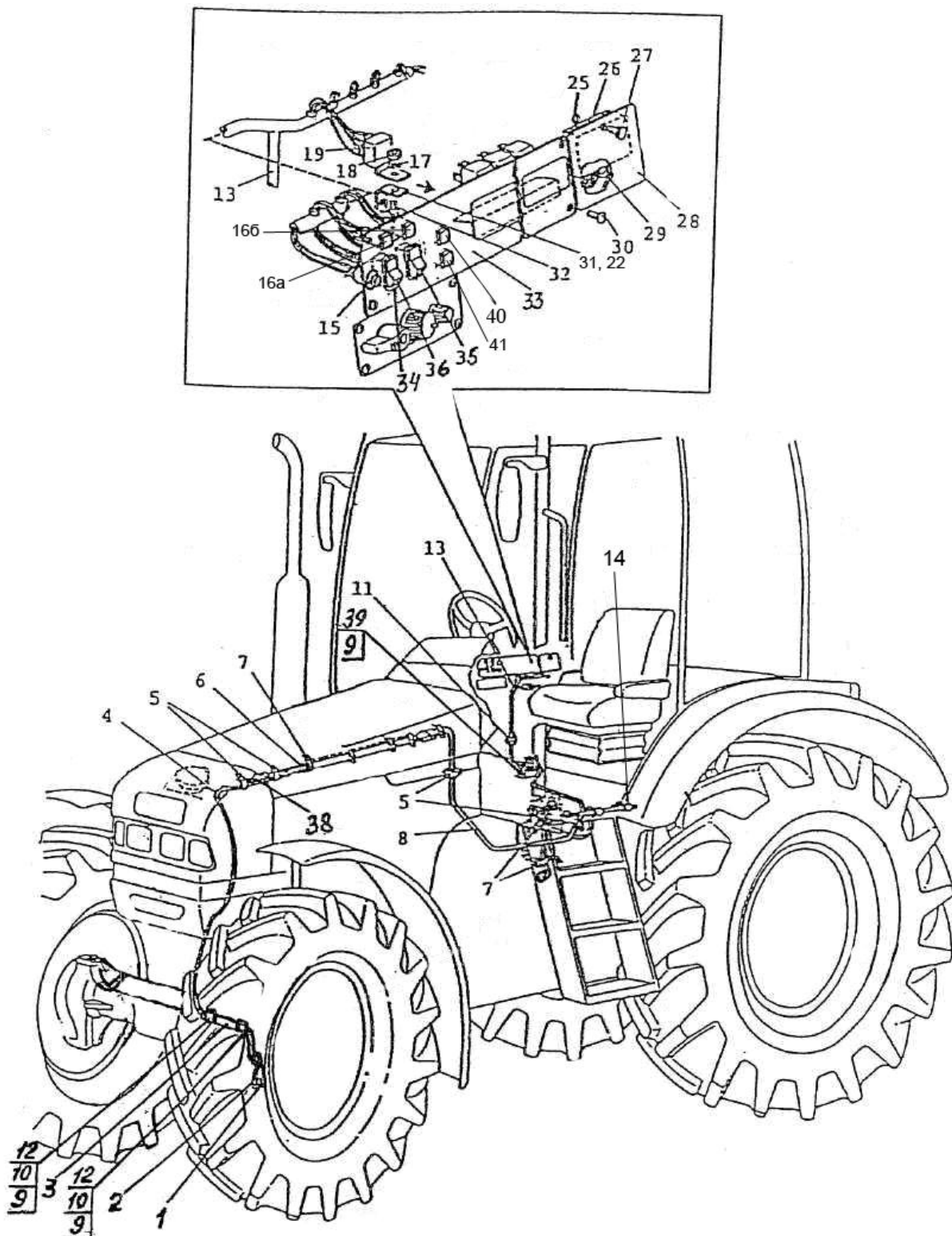


Fig. 87.1 DL and FDA control (1522-8700410-D)

Group 87.Control system
Subgroup 8700. DL and FDA control 1522-8700410-D

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
87.1	1	50-1702048	10	Shim washer
	2	3710.71	1	Switch with ball
	3	1222-8700021	1	Pipe
	4	1022-3724840-V	1	Bundled cable
	5	80-3723045-01	6	Collar
	6	922-3724850	1	Bundled cable
	7	80-3723045	11	Collar
	8	1522-3724830-ZH	1	Bundled cable
	9		4	Washer 8T OST 37.001.115-75
	10		2	Bolt M8-6gh16.88.35.019 GOST 7796-70
	12	1221-8700022	2	Clamp
	13	1522-3724820-ZH	1	Bundled cable
	14	80-3723016	1	Bracket
	15		1	Switch BK12-1 TSIKS 642241.001 TU
	16a	3803.40	1	Pilot lamp of DL
	16b	3803.45	1	Pilot lamp of FDA
	17		4	Washer 6T OST 37.001.115-75
	18		4	Nut M6-6N.6.019 GOST 5915-70
	19	3747.40	3	Cut-out relay 20A
		3747.50	4	Cut-in relay 30A
	22		2	Washer 5T OST 37.001.115-75
	25		1	Ring 006-010-25-1-4 GOST 18829-73/GOST 9833-73
	26		1	Fuse block BP-1 TU RB 03428193.095-97
	27	80-3805065	1	Screw
	28	822-3801341	1	Dashboard
	29	80-3724410-06	1	Cable
	30		4	Screw V. M6-6gh20.58.019 GOST 17474-80
	31	1522-8700221	1	Bracket
	32		4	Screw V. M6-6gh16.58.019 GOST 17473-80
	33	2022-8700465	1	Panel
	34	80-3801021	2	Switch seat
	35	3709.65	1	Switch of DL
	36	3709.70	1	Switch of FDA
	38	3723.119	1	Male plug 0-0106462-1
	39		2	Bolt M8-6gh14.88.35.019 GOST 7798-70
	40	3803.125	1	Pilot lamp 12.3803-41 TU RB 300228919.037-2002
	41	3803.60	1	Red pilot lamp

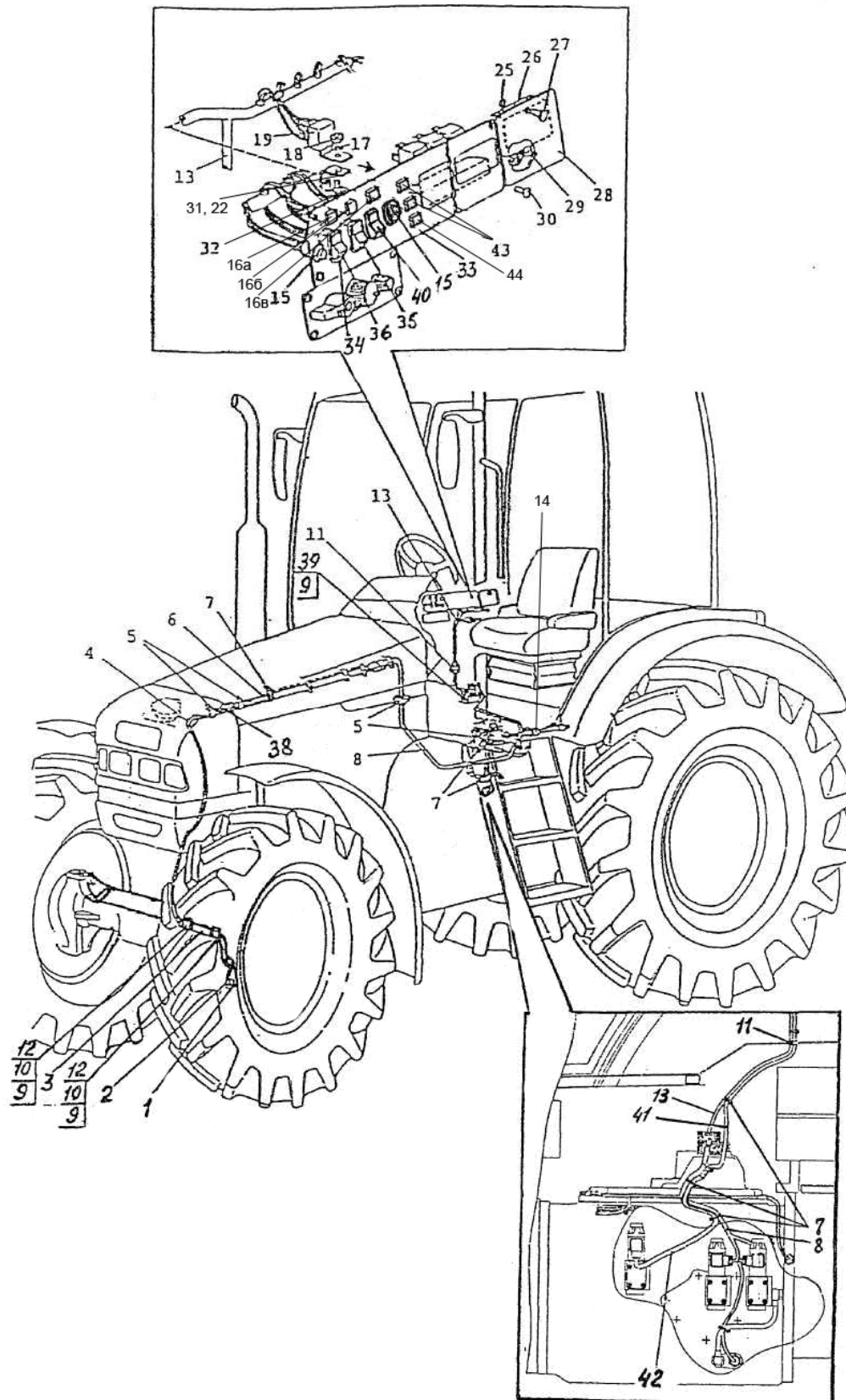


Fig. 87.2 DL, FDA and FPTO control (1523-8700210-D)

Group 87.Control system
Subgroup 8700. DL, FDA and FPTO control (1523-8700210-D)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
87.2	1	50-1702048	10	Shim washer
	2	3710.71	1	Switch with ball
	3	1222-8700021	1	Pipe
	4	1022-3724840-V	1	Bundled cable
	5	80-3723045-01	6	Collar
	6	922-3724850	1	Bundled cable
	7	80-3723045	24	Collar
	8	1522-3724830-ZH	1	Bundled cable
	9		4	Washer 8T OST 37.001.115-75
	10		2	Bolt M8-6gh16.88.35.019 GOST 7796-70
	12	1221-8700022	2	Clamp
	13	1522-3724820-ZH	1	Bundled cable
	14	80-3723016	1	Bracket
	15		2	Switch BK12-1 TSIKS 642 241.001 TU
	16a	3803.40	1	Pilot lamp of DL
	16b	3803.45	1	Pilot lamp of FDA
	16V	3803.70	1	Pilot lamp of FPTO
	17		6	Washer 6T OST 37.001.115-75
	18		6	Nut M6-6N.6.019 GOST 5915-70
	19	3747.40	3	Cut-out relay 20A
		3747.50	5	Cut-in relay 30A
	22		3	Washer 5T OST 37.001.115-75
	25		1	Ring 006-010-25-1-4 GOST 18829-73/GOST 9833-73
	26		1	Fuse block BP-1 TU RB 03428193.095-97
	27	80-3805065	1	Screw
	28	822-3801341	1	Dashboard
	29	80-3724410-06	1	Cable
	30		4	Screw V. M6-6gh20.58.019 GOST 17474-80
	31	1522-8700221	2	Bracket
	32		6	Screw V. M6-6gh16.58.019 GOST 17473-80
	33	2522-8700215	1	Panel
	34	80-3801021	3	Switch seat
	35	3709.65	1	Switch of DL
	36	3709.70	1	Switch of FDA

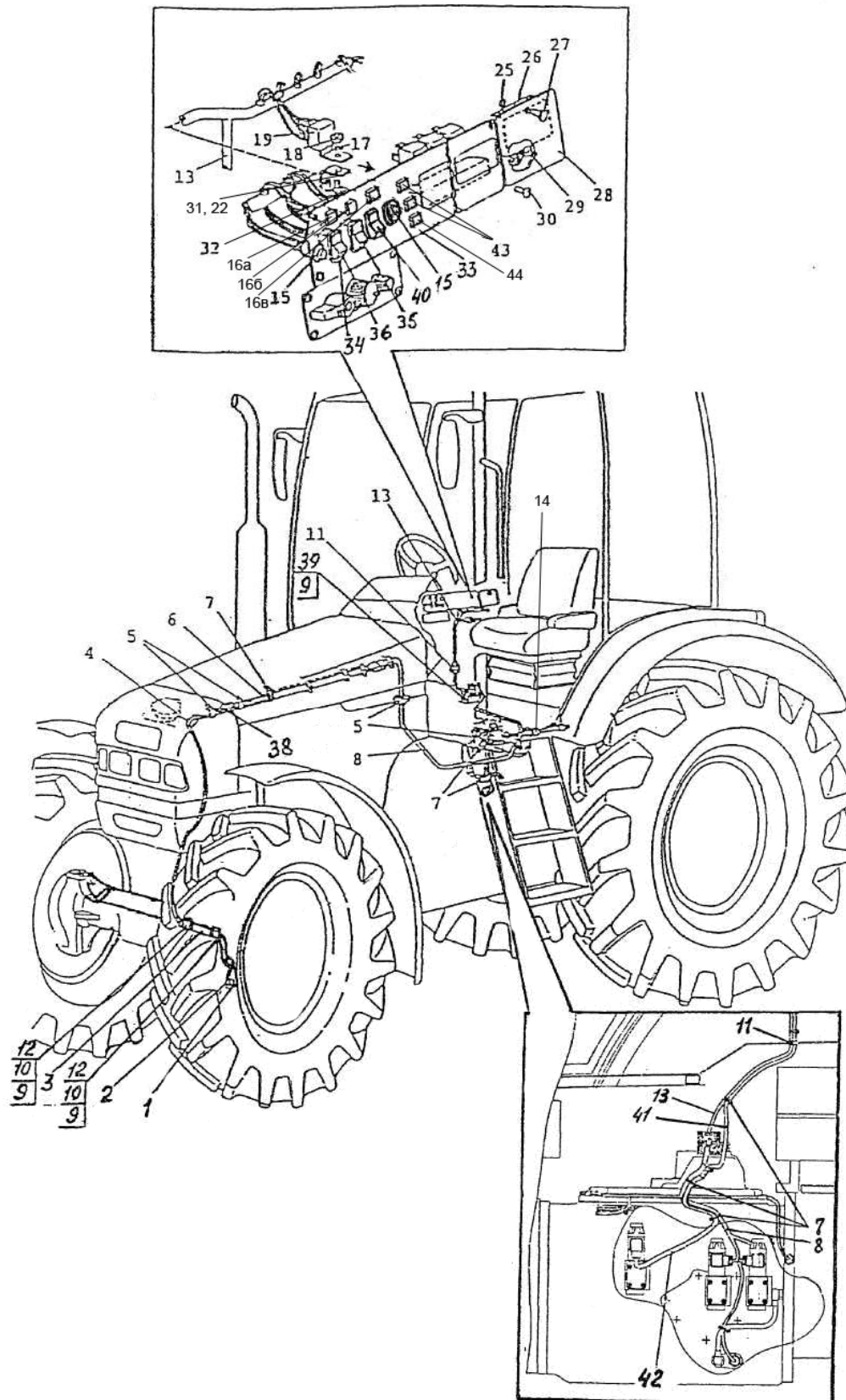


Fig. 87.2 DL, FDA and FPTO control (1523-8700210-D)

Group 87.Control system
Subgroup 8700. DL, FDA and FPTO control (1523-8700210-D)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
87.2	38	3723.119	1	Male plug 0-0106462-1
	39		2	Bolt M8-6gh14.88.35.019 GOST 7798-70
	40	3709.75	1	Switch VOM
	41	1220-3724940	1	Bundled cable
	42	922-3724850	1	Bundled cable
	43	3803.125	2	Pilot lamp 12.3803-41 TU RB 300228919.037-2002
	44	3803.60	1	Red pilot lamp

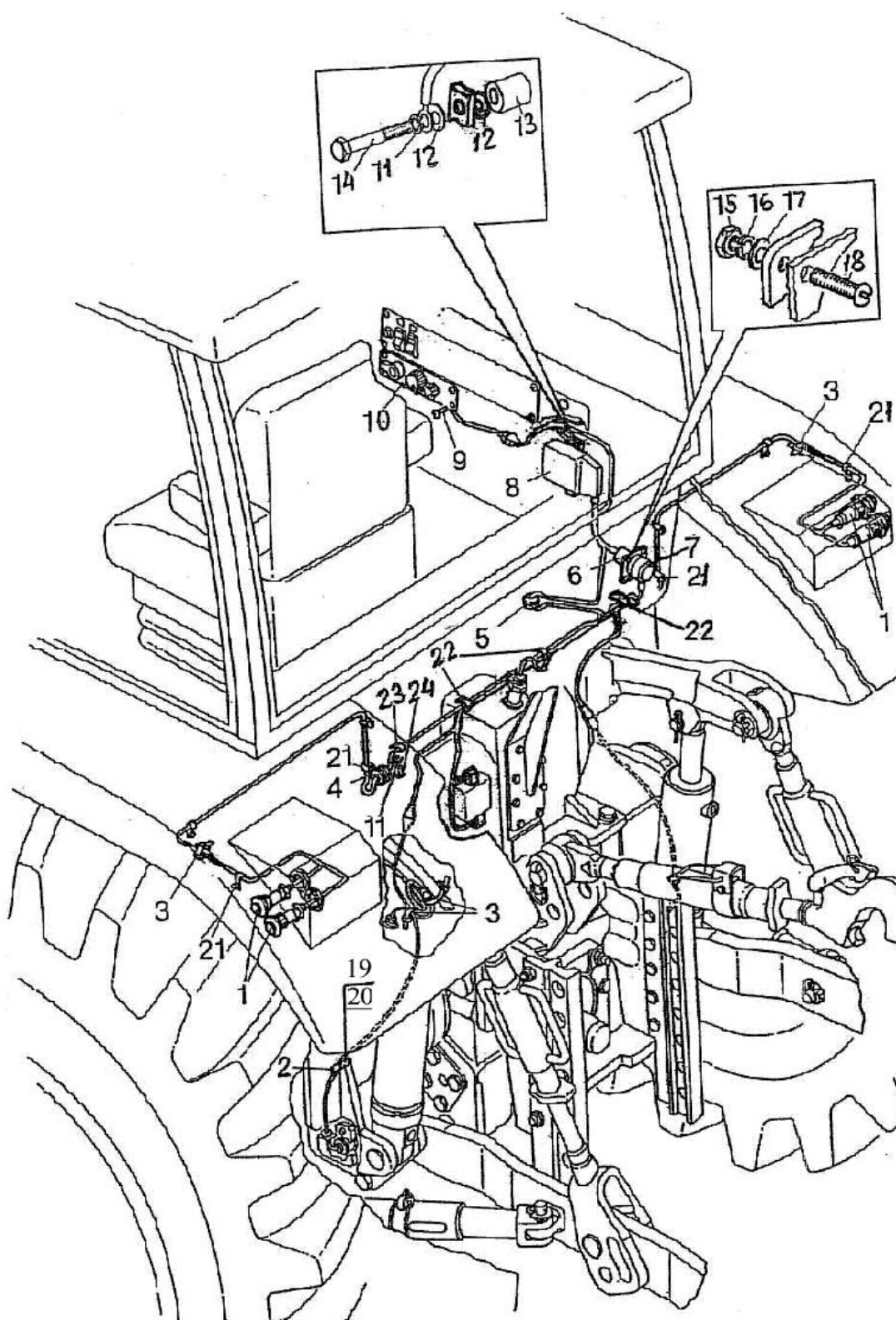


Fig. 87.3 Lift linkage control

Group 87. Control system
Subgroup 8700. Lift linkage control

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
87.3		1522-8700610 1522-8700610-02*	1	Lift linkage control
	1	3710.65	4	Button switch
	2	50-3723021	2	Clip
	3	80-3723045-01	5	Collar
	5	70-3723042-02	1	Bushing
	6	1523-3724890	1	Bundled cable
	7	1523-3724895-B	1	Bundled cable
	8		1 1	Electronic unit R917004743 or Controller MK 03-03* TU BY 300044189.052-2007
	9	V. M4-6gh20.58.019	4	Screw GOST 17474-80
	10		1 1	Control panel 0538201611 or Control panel PU-03* TU BY 300044189.053-2007
	11	6T	6	Washer OST 37.001.115-75
	12	S6 .01.019	4	Washer GOST 6958-78
	13	R50-4616023	2	Bushing
	14	M6-6gh35.88.019	2	Bolt GOST 7798-70
	15	M3-6N.6.019	4	Nut GOST 5927-70
	16	3T	4	Washer OST 37.001115-75
	17	S3.01.019	4	Washer GOST 11371-78
	18	V. M3-6gh16.59.019	4	Screw GOST 17473-80
	19	M8-6gh16.88.35.019	2	Bolt GOST 7796-70
	20	8T	2	Washer OST 37.001.115-75
	21	1221-8700022	8	Clamp
	22	1321-8700019-01	3	Clamp
	23	1321-8700019-02	1	Clamp
	24	M6-6gh12.88.35.019	4	Bolt GOST 7798-70

* - for 1522-8700610-02

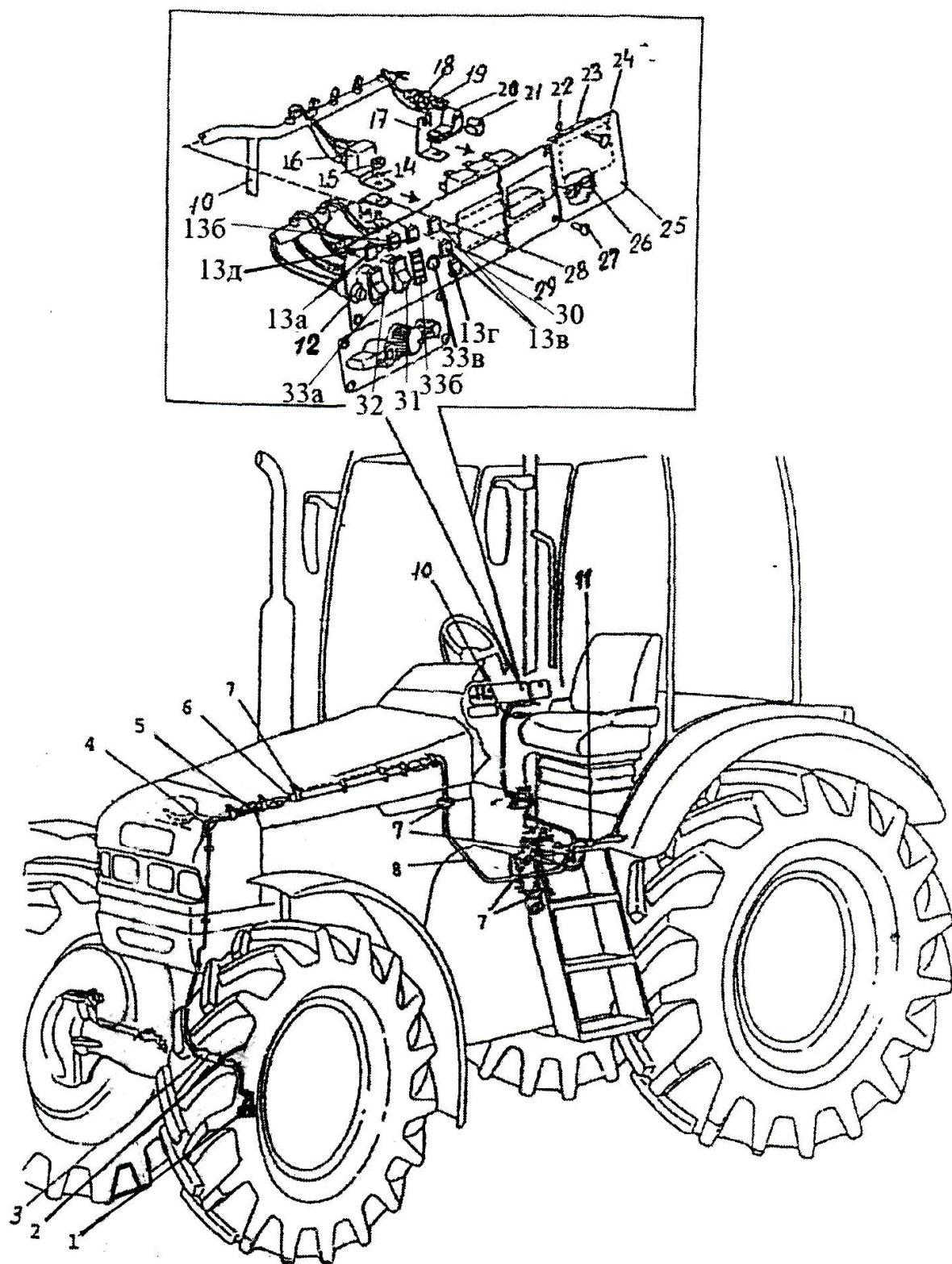


Fig. 87.4 DL, FDA and gear unit control (2022-8700450-D-02)

Group 87. Control system
Subgroup 8700. DL, FDA and gear unit control (2022-8700450-D-02)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
87.4	1	50-1702048	10	Shim washer (max Q-ty)
		3710.71	1	Switch with ball
	2	1222-8700021	1	Pipe
	3	1221-8700022	2	Clamp
		M8-6gh16.88.35.019	2	Bolt GOST 7796-70
		8T	2	Washer OST 37.001.115-75
	4	1022-3724840-V	1	Bundled cable
	5	3723.119	1	Male plug 0-0106462-1
	6	1222-3724850-B	1	Bundled cable
	7	80-3723045	15	Collar
		80-3723045-01	8	Collar
	8	2022-3724930-ZH	1	Bundled cable
	10	2022-3724920-ZH	1	Bundled cable
	11	80-3723016	1	Bracket
	12		1	Switch VK 12-1 TSIKS 642241.001 TU
	13a	3803.45	1	Pilot lamp of FDA
	13b	3803.40	1	Pilot lamp of DL
	13V	3803.55	2	Orange pilot lamp
	13G	3803.60	1	Red pilot lamp
	13d	3803.125	1	Pilot lamp 12.3803-41 TU RB 300228919.037-2002
	14	6T	7	Washer OST 37.001.115-75
	15	M6-6N.6.019	7	Nut GOST 5915-70
	16	3747.50	6	Cut-in relay 30A
		3747.40	4	Cut-out relay 20A
	17	1522-8700221-A	1	Bracket
	18	1522-8700222	1	Bushing
	19	5T	4	Washer OST 37.001.115-75
	20	1321-8700019	1	Clamp
	21	PR-32-01	1	Sealant
	22	006-010-25-1-4	1	Ring GOST 18829-73/GOST 9833-73
	23		1	Fuse block BP-1 TU RB 03428193.095-97
	24	80-3805065	1	Screw
	25	822-3801341	1	Dashboard
	26	80-3724410-06	1	Cable
	27	V. M6-6gh20.58.019	4	Screw GOST 17474-80
	28	1522-8700221	2	Bracket
	29	V. M6-6gh16.58.019	7	Screw GOST 17473-80
	30	2522-8700215	1	Panel
	31	3709.65	1	Switch of DL
	32	3709.70	1	Switch of FDA
	33a	80-3801021	3	Switch seat
	33b	80-3801327	1	Blind plug
	33V	3710.076	1	Switch VK 12-1 TSIKS 642241.001TU

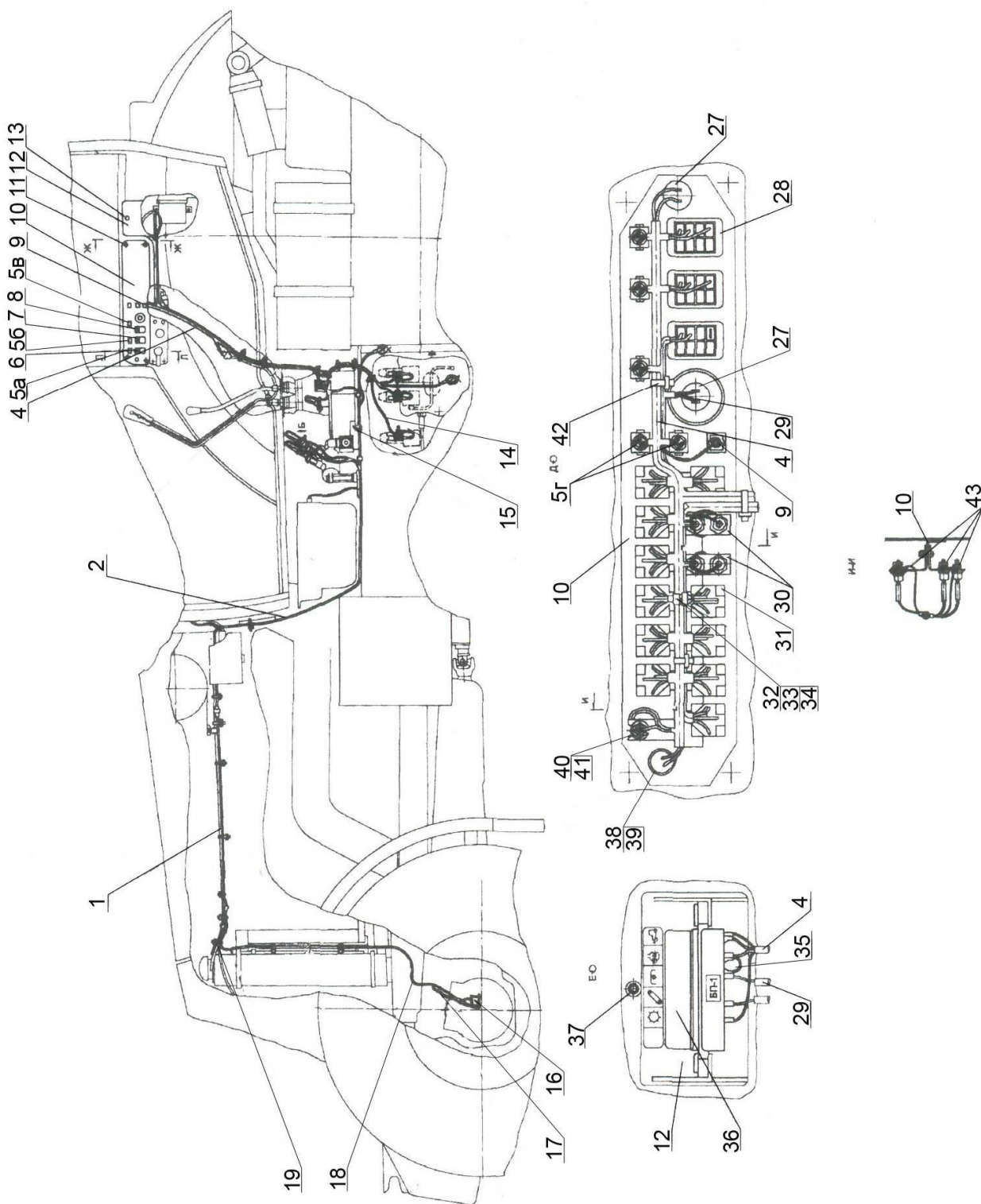


Fig. 87.5 DL, FDA, FPTO and gear unit control (2022-8700250-D-01)

Group 87. Control system
Subgroup 8700. DL, FDA, FPTO and gear unit control (2022-8700250-D-01)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
87.5	1	1222-3724850-B	1	Bundled cable
	2	2022-3724930-ZH	1	Bundled cable
	4	2022-3724920-ZH	1	Bundled cable
	5a	3803.45	1	Pilot lamp of FDA
	5b	3803.40	1	Pilot lamp of DL
	5V	3803.70	1	Pilot lamp of FPTO
	5G	3803.55	2	Orange pilot lamp
	6	3709.70	1	Switch of FDA
	7	3709.65	1	Switch of DL
	8	3709.75	1	Switch of PTO
	9	3803.60	1	Red pilot lamp
	10	2522-8700215	1	Panel
	11		4	Screw V.M6-6gh20.58.019 GOST 17474-80
	12	822-3801341	1	Dashboard
	13	80-3805065	1	Screw
	14	922-3724850	1	Bundled cable
	15	80-3723016	1	Bracket
	16	50-1702048	10	Shim washer (max q-ty)
		3710.71	1	Switch with ball
	17	1222-8700021	1	Pipe
		1221-8700022	2	Clamp
			2	Bolt M8-6gh16.88.35.019 GOST 7796-70
			2	Washer 8T OST 37.001.115-75
	18	1022-3724840-V	1	Bundled cable
	19	3723.119	1	Male plug 0-0106462-1
	27	VK 12-1	2	Switch TSIKS 642241.001 TU
	28	80-3801021	3	Switch seat
	29	1220-3724940	1	Bundled cable
	30	1522-8700221	2	Bracket
	31	3747.50	7	Cut-in relay 30A
		3747.40	4	Cut-out relay 20A
	32		7	Screw V.M6-6gh16.58.019 GOST 17473-80
	33		7	Nut M6-6N.6.019 GOST 5915-70
	34		7	Washer 6T OST 37.001.115-75
	35	80-3724410-06	1	Cable
	36	BP-1	1	Fuse block TU RB 03428193.095-97
	37	006-010-25-1-4	1	Ring GOST 18829-73/GOST 9833-73
	38	1321-8700019	1	Clamp
	39	PR-32-01	1	Sealant
	40	1522-8700221-A	1	Bracket
	41	1522-8700222	1	Bushing
	42	80-3723045-01	31	Collar
	43		5	Washer 5T OST 37.001.115-75

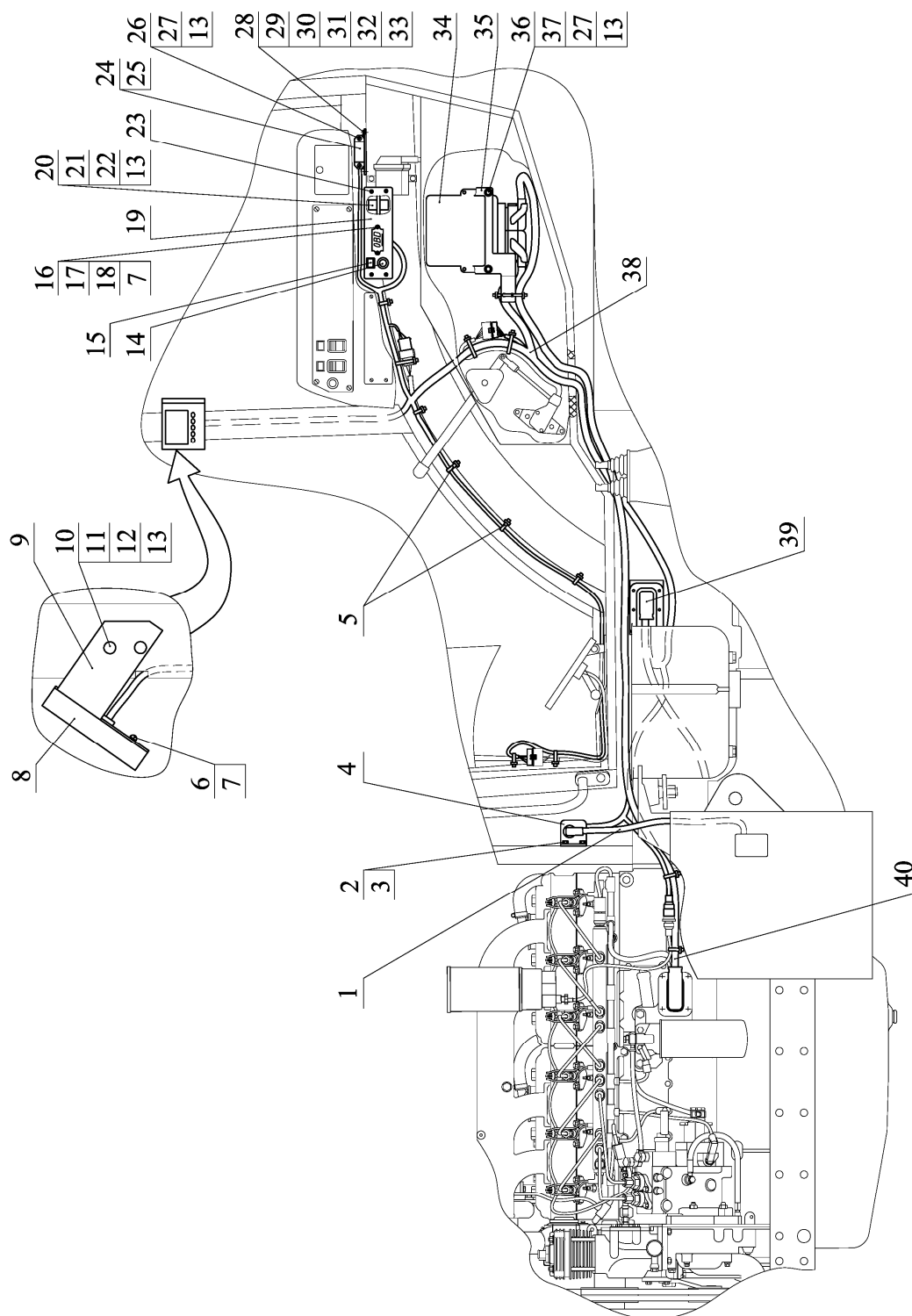


Fig. 87.6 Engine control (1523.5-8700910-M)

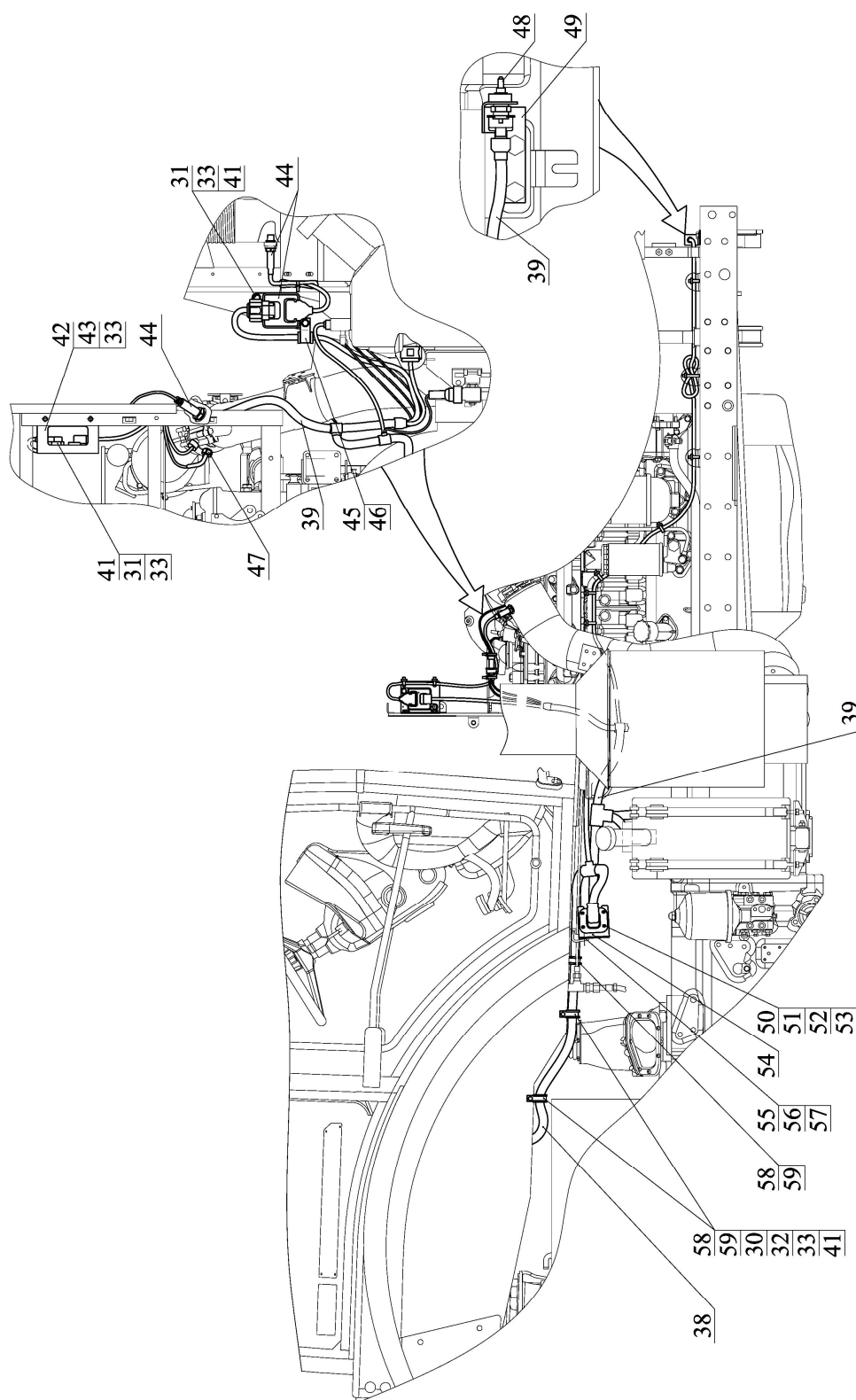


Fig. 87.7 Engine control (1523.5-8700910-M)

Group 87. Control system
Subgroup 8700. Engine control (1523.5-8700910-M)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
87.6 87.7	1	2022.5-3724965-M	1	Bundled cable
	2		4	Bolt M6-6gx16.88.35.019 GOST 7796-70
	3		10	Washer 6T OST 37.001.115-75
	4	1221.4-8700938-M	1	Bracket
	5	80-3723045-01	39	Collar
	6		4	Screw V.M4-6gx10.58.019 GOST 17473-80
	7		6	Washer 4 OST 37.001.115-75
	8	3761.077	1	Information display 948035
	9	2022D.4-8700944-B	1	Bracket
	10	A30.04.017	2	Cap
	11		4	Bolt M6-6gx16.88.35.019 GOST 7798-70
	12		6	Washer S 6.01.019 GOST 11371-78
	13		10	Washer 6T OST 37.001.115-75
	14	3710.80	1	Button switch
	15	3803.55	1	Orange pilot lamp
	16		2	Screw V.M4-6gx16.58.019 GOST 17473-80
	17		2	Nut M4-6N.6.019 GOST 5927-70
	18		2	Washer S 4.01.019 GOST 11371-78
	19	2022.5-8700915-M	1	Panel
	20	3747.50	5	Cut-in relay 30A
	21		3	Screw V.M6-6gx16.58.019 GOST 17473-80
	22		3	Nut M6-6N.6.019 GOST 5915-70
	23		4	Screw V.M4-6gx20.58.019 GOST 17474-80
	24	3722.20	1	Fuse block
	25	2022.5-8700925-M	1	Bracket
	26		2	Screw V.M6-6gx20.58.019 GOST 17473-80
	27		6	Washer S 6.01.019 GOST 6958-78
	28	1220-1109114	2	Bushing
	29		2	Bolt M8-6gx30.88.35.019 GOST 7796-70
	30		3	Washer S 8.01.019 GOST 6958-78
	31		6	Washer S 8.01.019 GOST 11371-78
	32		4	Nut M8-6N.6.019 GOST 5916-70
	33		10	Washer 8T OST 37.001.115-75
	34	3761.023	1	Control unit EDC17CV54 0 281 D 102 PM-01*
	35	2022.5-8700940-M	1	Bracket
	36		4	Bolt M6-6gx45.88.35.019 GOST 7795-70
	37		4	Nut M6-6N.6.019 GOST 5927-70
	38	2022.5-3724960-M	1	Bundled cable
	39	2022.5-3724980-M	1	Bundled cable
	40	3761.101	1	Extension bundled cablea 260-3724312*
	41		6	Bolt M8-6gx25.88.35.019 GOST 7796-70
	42	1523.5-8700925-M	1	Bracket
	43		2	Bolt M8-6gx16.88.35.019 GOST 7796-70
	44	517511	2	Sensor NOx 0452 S20 4RY-00*
	45	70-1115012-01	1	Clamp

Group 87. Control system
Subgroup 8700. Engine control (1523.5-8700910-M)

Fig.	Pos.No	Assembly unit or part number	Q-ty	Description
87.6 87.7	46	70-3506027	1	Bushing
	47	517510	1	Temperature sensor 0452 S20 4TD-00*
	48	517512	1	Ambient temperature sensor 0 452 S20 4YF-00*
	49	1523.5-8700930-M	1	Bracket
	50		4	Screw V.M5-6gx20.58.019 GOST 17473-80
	51		4	Nut M5-6N.6.019 GOST 5927-70
	52		4	Washer S 5.01.019 GOST 11371-78
	53		4	Washer 5T OST 37.001.115-75
	54	2022.5-8700912-M	1	Bracket
	55		2	Bolt M12-6gx25.88.35.019 GOST 7796-70
	56		2	Nut M12-6N.6.019 GOST 5915-70
	57		2	Washer 12 OT OST 37.001.115-75
	58	923-3723012	3	Clamp
	59	PPR-50-01	3	Profile

* included into pos. set for MMZ engine