
BELARUS ***2022.5***

2022.5-0000010KDS

CATALOGUE OF PARTS AND ASSEMBLY UNITS

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CONTENTS

Introduction	4
How to use this catalogue	4
Application	5
Index of groups and subgroups of catalogue assembly units and parts	6
Assembly units and parts	9

INTRODUCTION

The present catalogue contains the whole range of assembly units and parts for tractors “Belarus-2022.5”, equipped with 4-stroke six-cylinder engine D-260.4 S3B.

HOW TO USE THE CATALOGUE

The catalogue consists of three parts:

1. Assembly units and parts of the tractor
2. Normalized parts (bearings, collars, rings).
3. Component Index

In Section 1, the assembly units and parts are divided into groups and subgroups according to the 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), which increases subsequently in clockwise direction. 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:

«...260-1004100-A 6 Connecting rod (10,17,18,35-37)».

It means that assembly unit “Rod” in the number of 6 pieces per engine consists of the following parts: bushing (pos. 10), connecting rod (pos. 17), connecting rod bolt (pos. 18), connecting rod cap (pos. 35), washer (pos. 36) 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 “260-1104300-B1-01 (1st cylinder pipe)” and “260-1104300-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”. Section 2 “Normalized Parts” specifies the standard sizes of the rolling bearings, collars and rubber O-rings, places of their installation and quantity per tractor.

Section 3 “Components Index” provides for a list of parts and assembly units located in the sequence of increase of the designation numbers with references to the figure numbers and position numbers on the figures. It facilitates the search of the required part in the catalogue if its designation is known.

PURPOSE

The tractor “BELARUS-2022.5” 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-2022.5” is a general-purpose wheeled tractor of traction class 3 with the wheel formula 4X4.

NOTE. The catalogue is compiled in compliance with the designer’s documentation. Due to continual works for improvement of the design, there can be some discrepancies in the catalogue.

Adopted abbreviations and conventional notations:

GOST – State Standard

OST – Industry-specific standard

TU – Technical Specifications

TU RB (TU BY)– Technical Specifications of the Republic of Belarus

MMZ – Minskiy Motornyi 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	...КЗС...	...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, САҚД	S; 80S-...; S15, SAKD	Ф50	F50
Т; ТС, ТСИКС	T; TS; TSIKS	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

INDEX OF GROUPS, SUBGROUPS, ASSEMBLY UNITS AND PARTS OF THE CATALOGUE

Group	Subgroup	Fig.	Description	Page
11	Fuel feed system			
	1001	10	Engine assembly	9
	1101	11.1 11.2 11.3	Fuel tanks	11
	1109	11.4	Air cleaner assembly	15
	1108	11.5	Fuel feed control	17
12	Exhaust system			
	1205	12.1	Muffler assembly	19
	1204	12.2	Feed system	21
	1209	12.3	Tank heating system	23
13	Cooling system			
	1317	13.1	Cooling unit	25
	1309	13.2	Fan guard	27
	1317	13.3	Cooler assembly	29
16	Clutch			
	1601	16.1	Clutch assembly	31
	1601	16.2	Clutch housing	33
		16.3	Clutch housing	35
	1602	16.4	Clutch control	39
	1602	16.5	Hydraulic booster	41
	1602	16.6	Main cylinder	43
	1602	16.7	Operating cylinder	45
	1602	16.8	Tank	47
	1602	16.9	Valve	49
17	Gearbox			
	1701	17.1 17.2	Gearbox 1222-1700010 (24F+12R)	51
	1701	17.3	Gear unit. Primary shaft	55
	1701	17.4	Gear unit. Intermediate shaft	57
	1701	17.5 17.6	Low gears and reverse shaft	59
	1701	17.7	Gear train shaft	63
	1701	17.8	Secondary shaft	65
	1701	17.9 17.10 17.11	Gearbox control mechanism	67
	1704	17.12	Pump drive	73
	1702	17.13	Cylinder	75
	1716	17.14	Filter	77
	1737	17.15	Distributor-filter	79
18	FDA drive			
	1802	18.1	Front driving axle drive	81
22	Cardan drive			
	2203	22.1	Cardan drive	85
	2210	22.2	Guard	87
23	Front driving axle			
	2300, 2301, 2308	23.1	Front driving axle	89
	2300	23.2	Front driving axle. Central bearing.	91
	2303	23.3	Front driving axle. Differential.	93
	2308	23.4	Gear unit of front-axle final drive (1524-2308005)	95
24	Rear axle			
	2400	24.1	Transmission	99
	2401, 2407	24.2	Rear axle housing. Final drive. Shutdown mechanism of separate PTO drive.	101
	2407	24.3	Final drive	103

Group	Subgroup	Fig.	Description	Page
	2403, 2407	24.4	Differential. Bearings body	105
	2409	24.5	Loding drive	107
27	Drawbar hitch			
	2707	27.1	Drawbar hitch	109
	2707	27.2	Drawbar hitch (configuration variants)	111
30	Front axle			
	3003	30.1	Steering link	113
31	Wheels and hubs			
	3101	31.1	Front driving wheel	115
	3107	31.2 31.3	Front driving wheel	117
	3107	31.4	Rear driving wheel	119
	3104	31.5	Wheel hub	121
34	Steering			
	3401	34.1	Steering column	123
	3401	34.2	Steering column	125
	3401	34.3	Cardan	127
	3407	34.4 34.5	Hydrostatic power steering	129
	3405	34.6	Hydraulic cylinder 50x25-250	135
	3407	34.7	Tank	137
35	Brakes			
	3502	35.1	Service brakes	139
	3503	35.2	Brake control	141
	3503	35.3	Operating cylinder	145
	3503	35.4	Parking brake control	147
	3506	35.5	Single-line pneumatic drive	149
	3506	35.6	Double-line pneumatic drive	151
	3513	35.7	Tank	153
	3514	35.8	Brake valve	155
37	Electrical equipment			
	3700	37.1	Engine electrical equipment	157
	3700	37.2	Transmission electrical equipment	159
	3700	37.3	Cab electrical equipment	161
	3700	37.4	Front lamps assembly	163
	3723	37.5	Rear lamps assembly	165
	3700	37.6	Working lights assembly	167
	3700	37.7	Heater electrical equipment	169
	3724	37.8	Accumulator batteries assembly	171
	3724	37.9	Starter assembly	173
	3722	37.10	Switching unit	175
38	Instruments			
	3805	38.1 38.2 38.3	Dashboard	177
	3805	38.4 38.5	Dashboard assembly	181
39	Tools and accessories			
	3901	39.1	Operator's tool	184
	3912	39.2	First-aid kit	186
42	Power take-off			
	4202	42.1	Rear power take-off shaft	188
	4218	42.2	Control of rear PTO hydraulic drive	194
	4209	42.3	Front PTO	198
	4209	42.4 42.5 42.6	PTO gear unit	200
	4219	42.7	Front PTO control	206
	4235	42.8	Ballast	208

Group	Subgroup	Fig.	Description	Page
	4235	42.9	Additional ballast	210
46	Remote cylinder hydraulic system			
	4605	46.1	Hitch	212
	4605	46.2	Units and elements of lift linkage	216
	4606	46.3	Walterscheid hook	218
	4605	46.4	MTZ hook	220
	4605	46.5	Pivot joints and transition elements	222
	4606	46.6	Front lift linkage	224
	4606	46.7	Front lift linkage assembly	226
	4607	46.8 46.9 46.10	Hydraulic units and fittings	228
	4607	46.11 46.12 46.13	Hydraulic units and fittings	234
	Windscreen wiper			
	5205	52.1	Rear screen wiper assembly	240
	5205	52.2	Front windscreen wiper assembly	242
	5208	52.3	Windscreen washer assembly	244
67	Tractor cab			
	6700	67.1	Tractor cab	246
	6708	67.2	Cab door	250
	6703, 6708	67.3	Door. Cab glasses.	254
	6702	67.4	Panel assembly	258
	6700	67.5	Tool box assembly	260
68	Operator's seat			
	6800	68.1	Operator's seat	262
	6807	68.2	Reverse mechanism	266
82	Cab accessories			
	8201	82.1	Inside mirror	268
	8201	82.2	Outside mirror	270
	8201	82.3	Suin visor	272
84	Hood and fenders			
	8400	84.1	Facing	274
	8400	84.2	Facing	276
	8403	84.3	Front wheels fenders	278
	8405	84.4	Foot step	280
	8405	84.5	Foot step	282
	8405	84.6	Additional foot step	284
	FDA, DL, PTO, lift linkage and gear unit control (electrics)			
	8700	87.1	Lift linkage control	286
87	8700	87.2	DL, FDA, front PTO and gear unit control (2022-8700250-D)	288
	8700	87.3	DL, FDA and gear unit control (2022-8700450-D)	290
	8700	87.4 87.5	Engine control (2022.5-8700910-M)	294

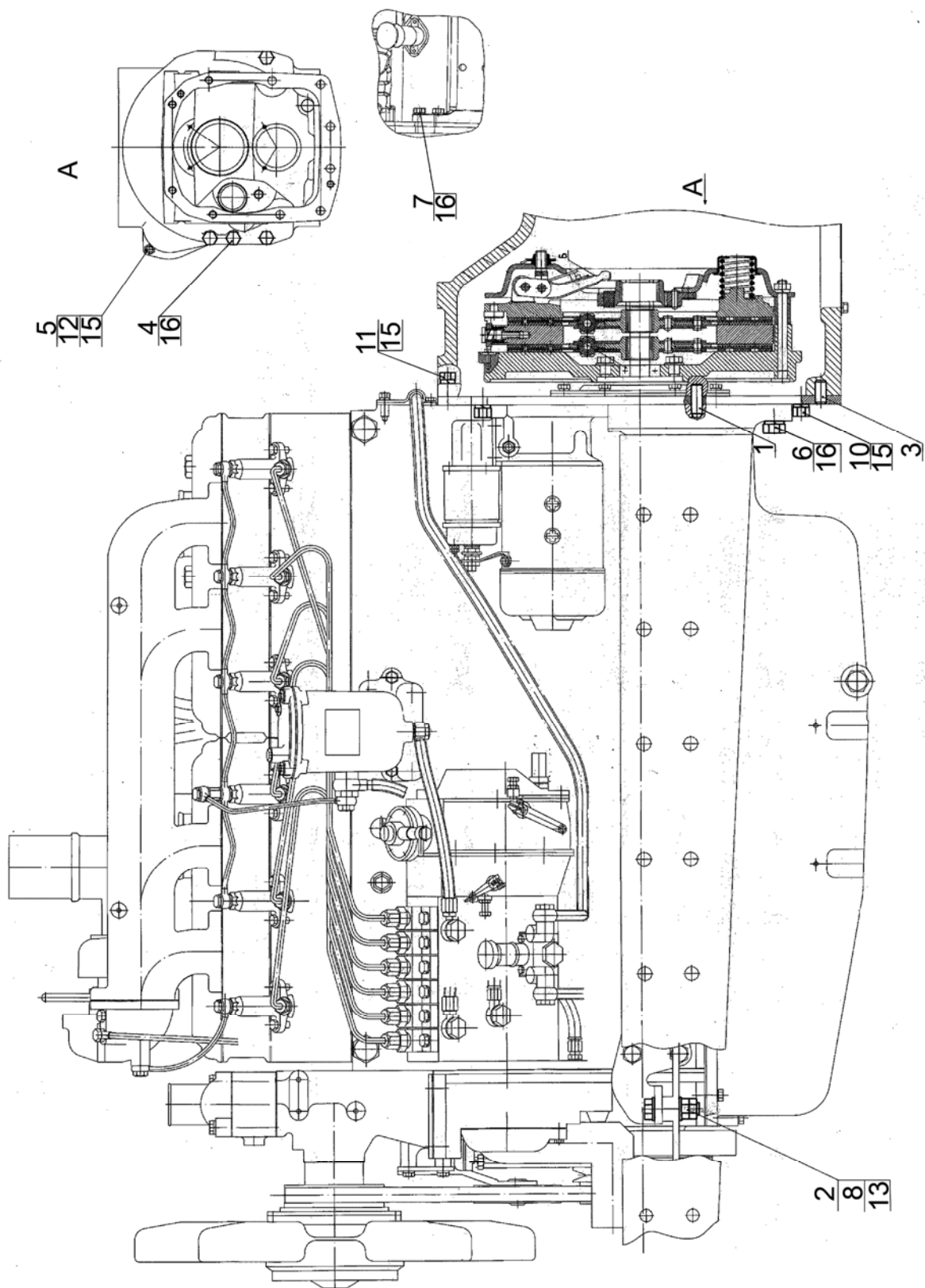


Fig. 10 Engine assembly

Group 10. Diesel engine mechanisms
Subgroup 1001. Engine assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
10		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 M12-6gx75.88.35.019 GOST 7795-70
	6		4	Bolt M16-6gx60.88.35.019 GOST 7795-70
	7		2	Bolt M16-6gx70.88.35.019 GOST 7795-70
	8		2	Bolt M16-6gx75.88.35.019 GOST 7795-70
	10		3	Bolt M12-6gx30.88.35.019 GOST 7796-70
	11	220-2401022	1	Bolt
	12		1	Nut M12-6H.6.019 GOST 5915-70
	13		4	Nut M16-6H.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

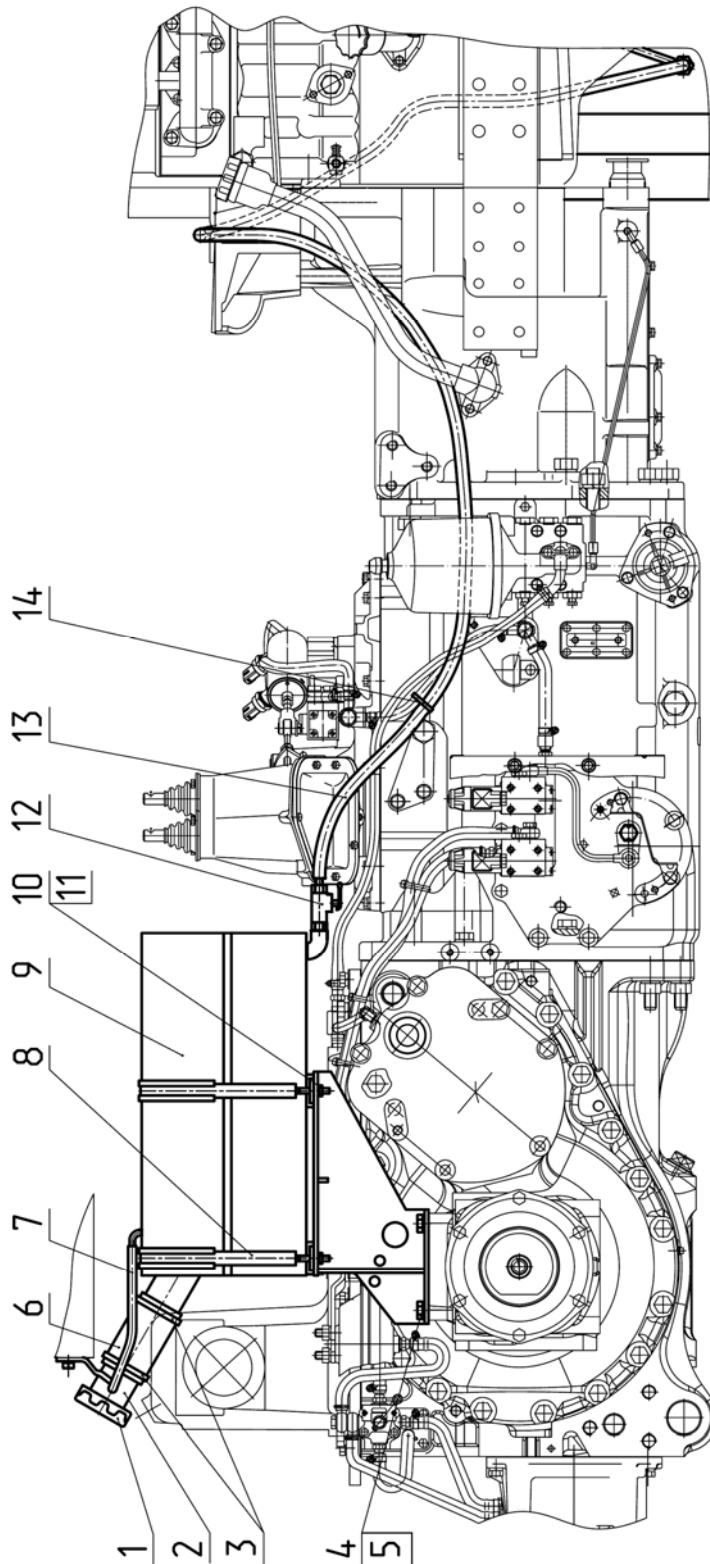


Fig. 11.1 Fuel tanks

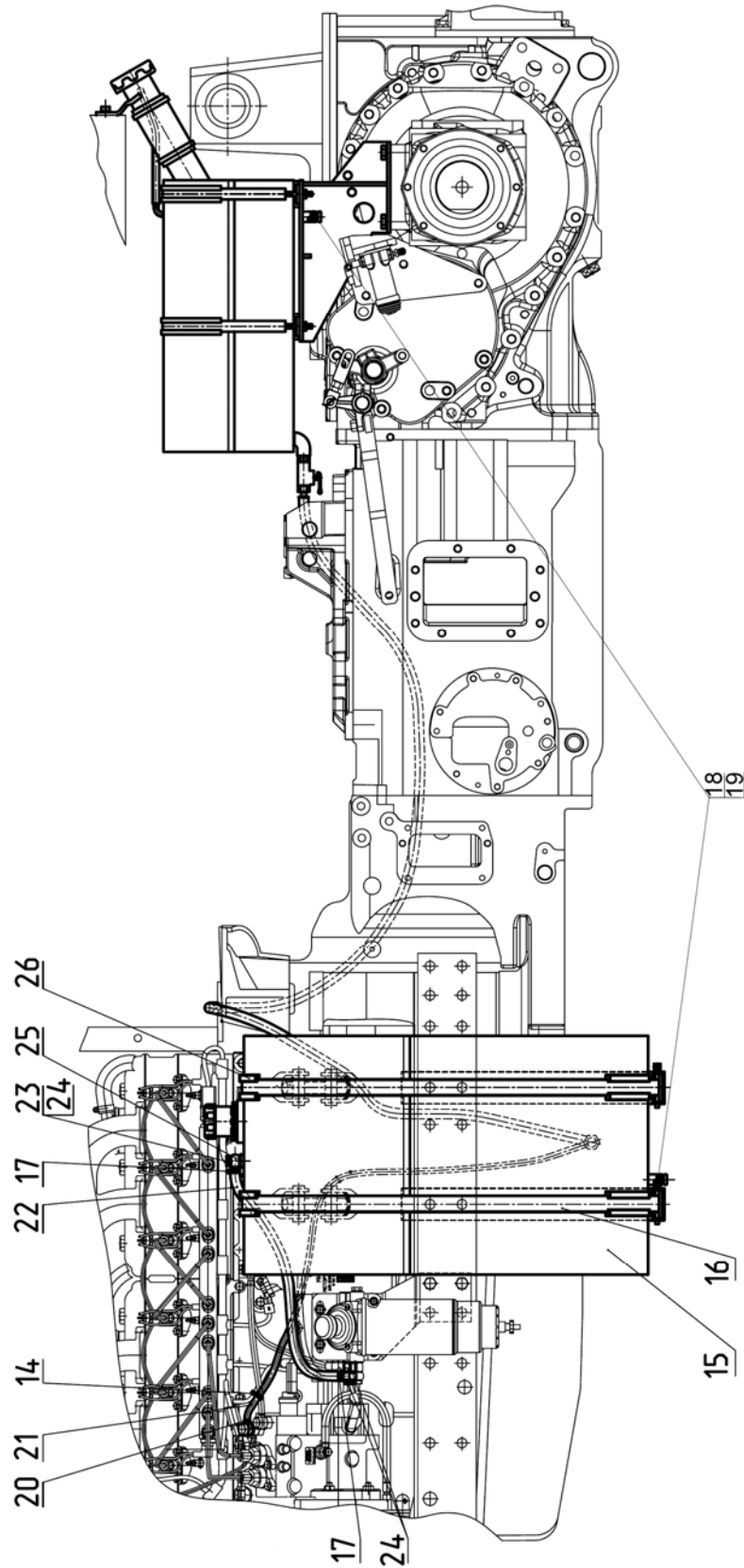


Fig. 11.2 Fuel tanks

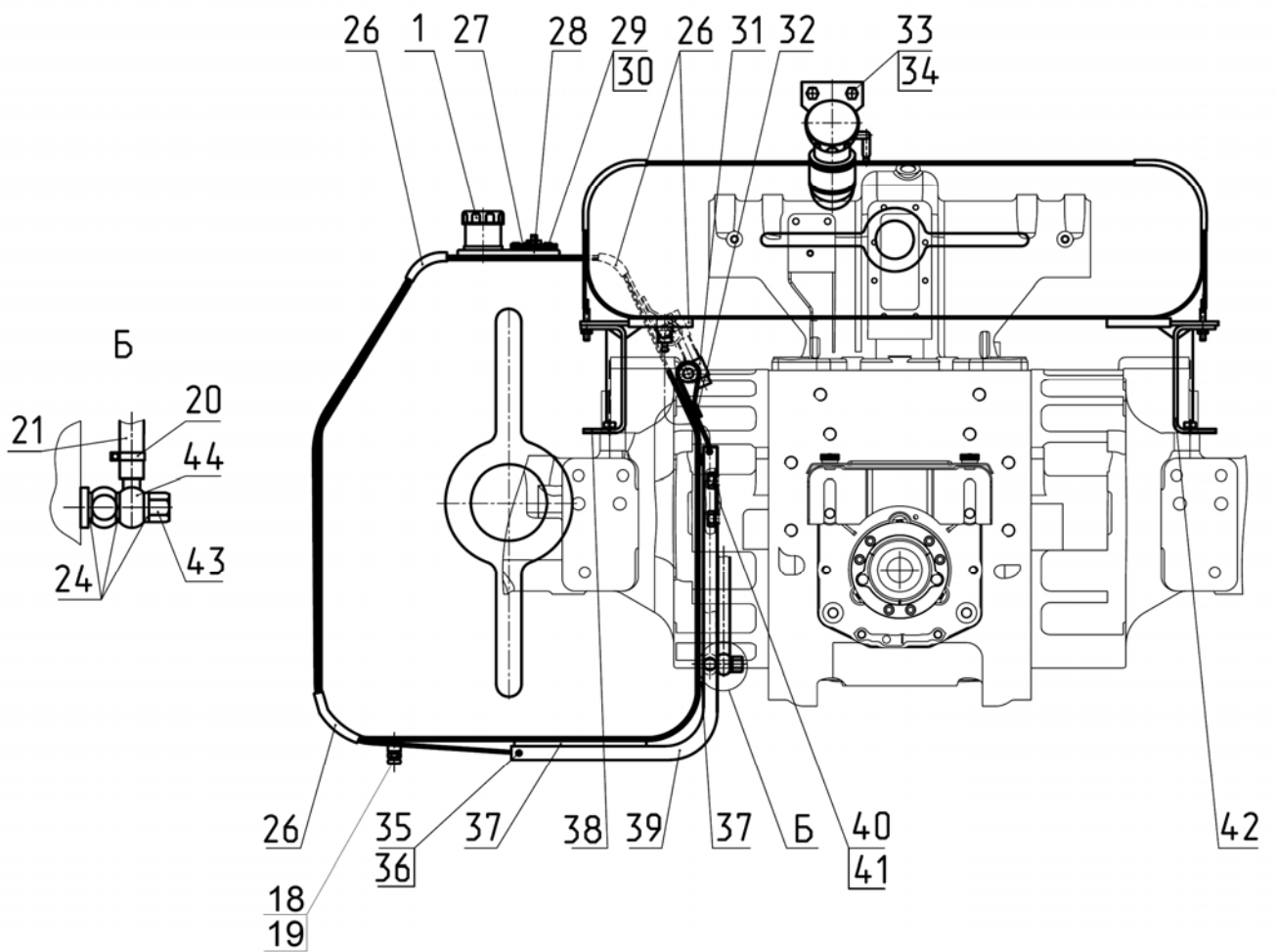


Fig. 11.3 Fuel tanks

Group 11. Fuel feed system
Subgroup 1101. Fuel tanks

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
11.1		2022.5-1101000	1	Fuel tank
11.2	1	082-1103010	2	Plug
11.3	2	1522-1101060	1	Neck
	3	HS-66	2	Clamp
	4		4	Bolt M10-6gx25.88.35.019 GOST 7796-70
	5		4	Washer 10 OT OST 37.001.115-75
	6	70-1101035-B-01	1	Hose
	7	85-1101002-02	1	Pipe
	8	1522-1101090-01	2	Clamp
	9	2022-1101010	1	Tank
	10		4	Nut M10-6H.6.019 GOST 5915-70
	11		4	Washer 10L OST 37.001.115-75
	12		1	Valve PP6-1-O TU RB 03973223.008-2000
	13	920-1101250-01 or 920P-1101250-01	1	Rubberized fabric fuel line
	14	80-3723045-01	2	Collar
	15	2022.5-1101210	1	Tank
	16	2022.5-1101140	2	Band
	17		2	Clamp/Clamp NORMA TORRO 16-27/971 or Clamp "NORMA" TORRO 16-25/9-C6W
	18	822-1101081	2	Fitting
	19		2	Ball 11.112-100 GOST 3722-81
	20		2	Clamp/Clamp NORMA TORRO 12-22/971 or Clamp "NORMA" TORRO 12-20/9-C6W
	21	920-1101162-03	1	Pipe
	22	3022-1101002-01	1	Fuel line
	23	D18-051	1	Bolt
	24	M14 400-868-4490-41 or 627 RRM14 or SCN227-P18-PM14	7	Washer
	25	3522-1101310	1	Angle piece
	26	PR-43-02	10	Sealant UM6a
	27	200-3806026	1	Gasket
	28		1	Sensor DUOT.740CH-02 TSIKS.407522.001TU-2010 or Sensor DOT.740CH-02 TU BY 100363945.008-2008
	29	80-1101067	5	Washer
	30		5	Screw V.M5-6gx35.58.019 GOST 17475-80
	31	1522-1101005	2	Bolt
	32	2022.5-1101140-01	2	Band
	33		2	Bolt M6-6gx20.88.35.019 GOST 7798-70
	34		2	Washer 6 T OST 37.001.115-75
	35		4	Split pin 3,2x18.019 GOST 397-79
	36	1522-1101125	4	Pin
	37	1522-1101118	4	Gasket
	38	2022-1101070	1	Bracket
	39	1522-1101136-01	2	Pipe
	40		4	Bolt M16-6gx50.88.35.019 GOST 7796-70
	41		4	Washer 16 OT OST 37.001.115-75
	42	2022-1101070-01	1	Bracket
	43	240-1111103	1	Bolt
	44	F80-3407720	1	Oil pipeline

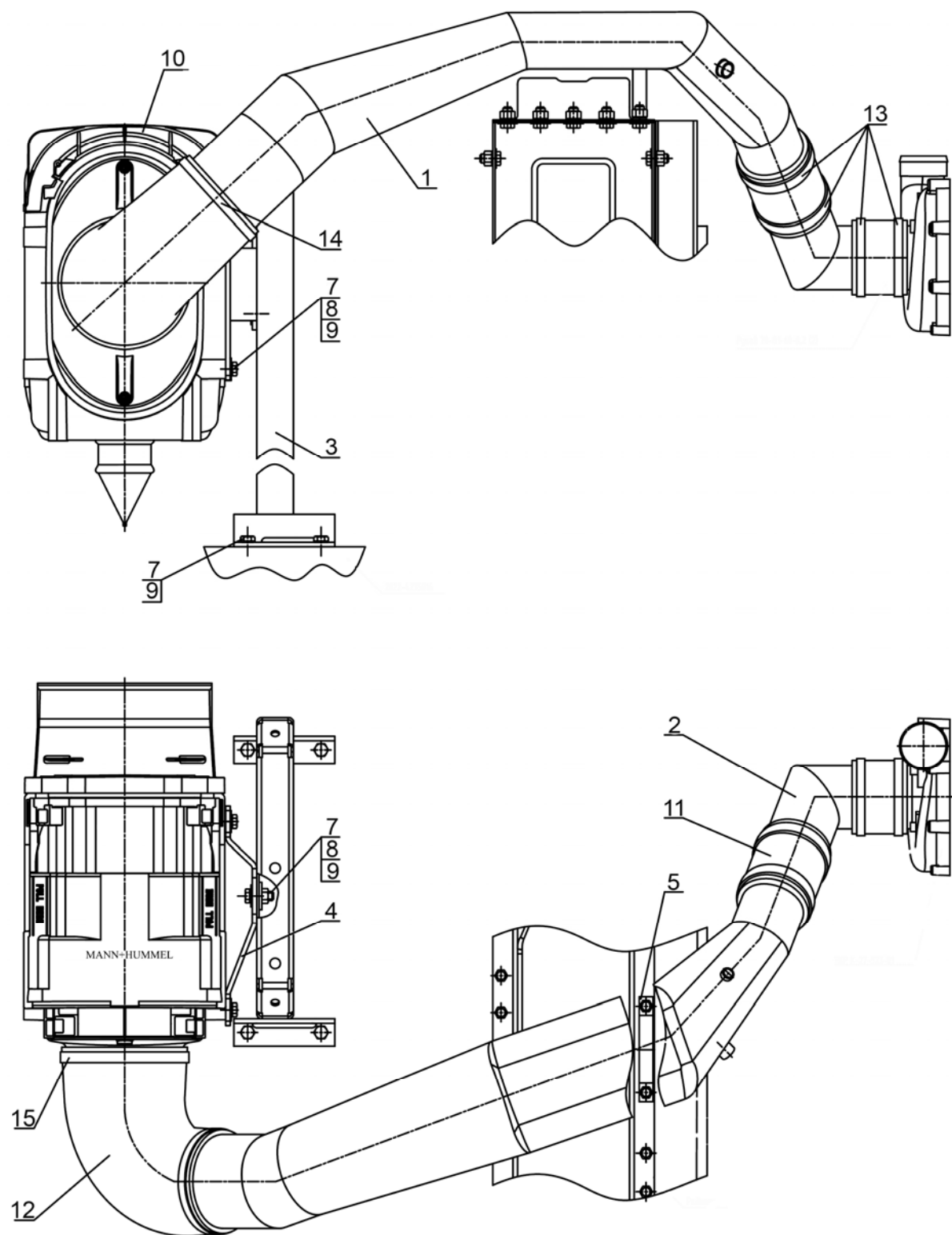


Fig. 11.4 Air cleaner assembly

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
11.4		2022.5-1109125	1	Air cleaner assembly
	1	2022.5-1109110	1	Air duct
	2	2022-1109120	1	Connecting pipe
	3	2022-1109130	1	Arc
	4	2022.5-1109114	1	Bracket
	5	2022-1109111	1	Bracket
	7		10	Bolt M8-6gx20.88.35.019 GOST 7796-70
	8		6	Washer S 8.01.019 GOST 6958-78
	9		10	Washer 8T OST 37.001.115-75
	10		1	Air filter IQORON-V14 45 580 95 911
	11		1	Blue silicone connecting pipe 70x100
	12		1	Hose 127-101
	13		4	Clamp with worm thread 70-90
	14		1	Clamp with worm thread 100-120
	15		1	Clamp with worm thread 120-140

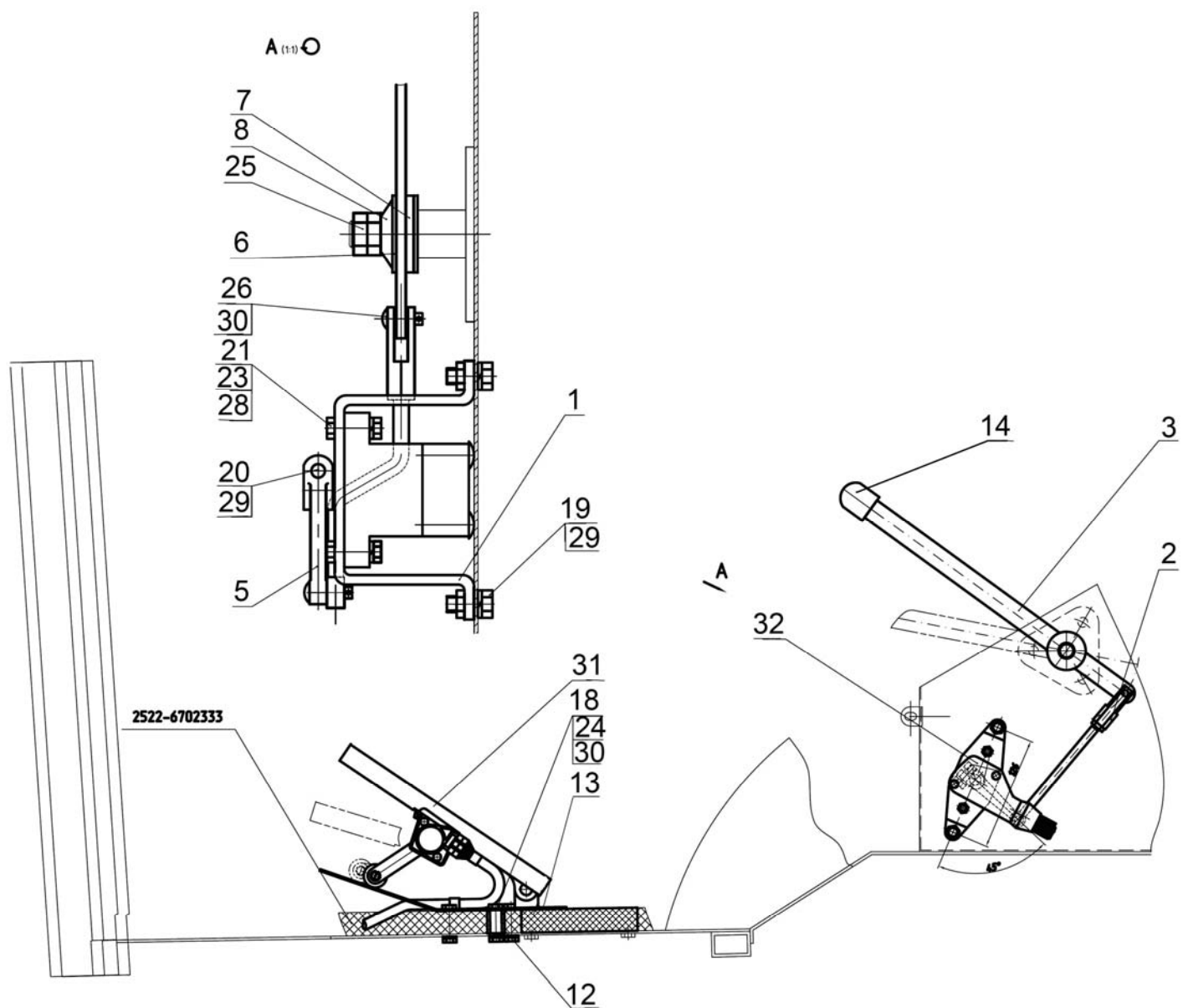


Fig. 11.5 Fuel feed control

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
11.5		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 6x22 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 M8-6gx55.88.35.019 GOST 7795-70
	19		2	Bolt M8-6gx20.88.35.019 GOST 7795-70
	20		1	Bolt M8-6gx25.88.35.019 GOST 7795-70
	21		2	Bolt M6-6gx25.88.35.019 GOST 7798-70
	23		2	Nut M6-6H.6.019 GOST 5915-70
	24		3	Nut M8-6H.6.019 GOST 5915-70
	25		2	Nut M14x1,5-6H.04.019 GOST 5916-70
	26		2	Split pin 2x12.019 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 PЭ-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

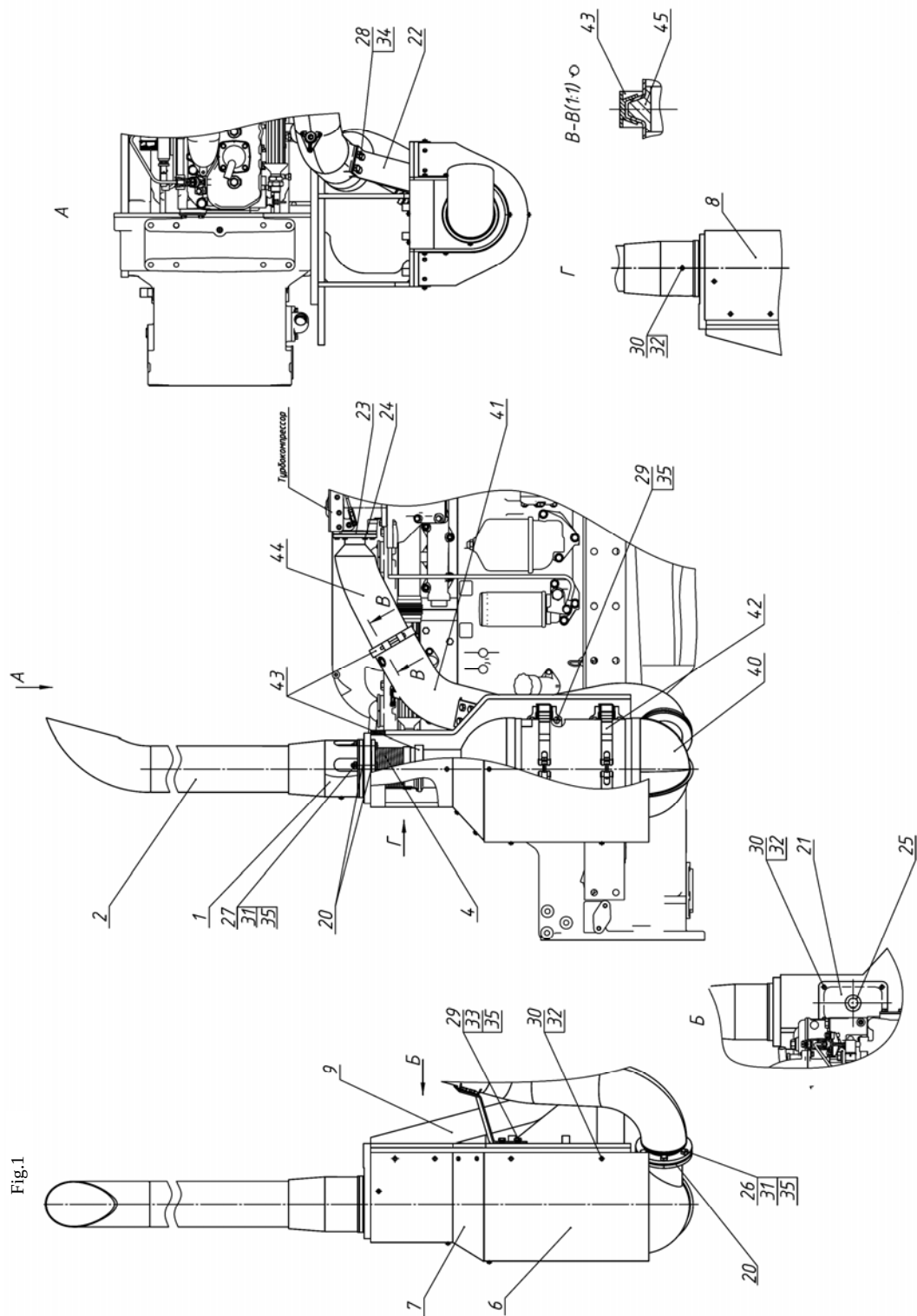


Fig. 12.1 Muffler assembly

Group 12. Exhaust system
Subgroup 1205. Muffler assembly

Fig.No	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	2022.5-1205835	1	Bracket 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 M10-6gx45.88.35.019 GOST 7795-70
	27		6	Bolt M10-6gx65.88.35.019 GOST 7795-70
	28		4	Bolt M8-6gx20.88.35.019 GOST 7796-70
	29		10	Bolt M10-6gx30.88.35.019 GOST 7796-70
	30		21	Bolt M6-6gx16.88.35.019 GOST 7798-70
	31		12	Nut M10-6H.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	Binding screw clamp SCR-catalyst 0452 B20 2M2-00
	43		2	Clamp 78803
	44		1	Air duct 000.4859.404.000
	45		1	Flange 260-1008059

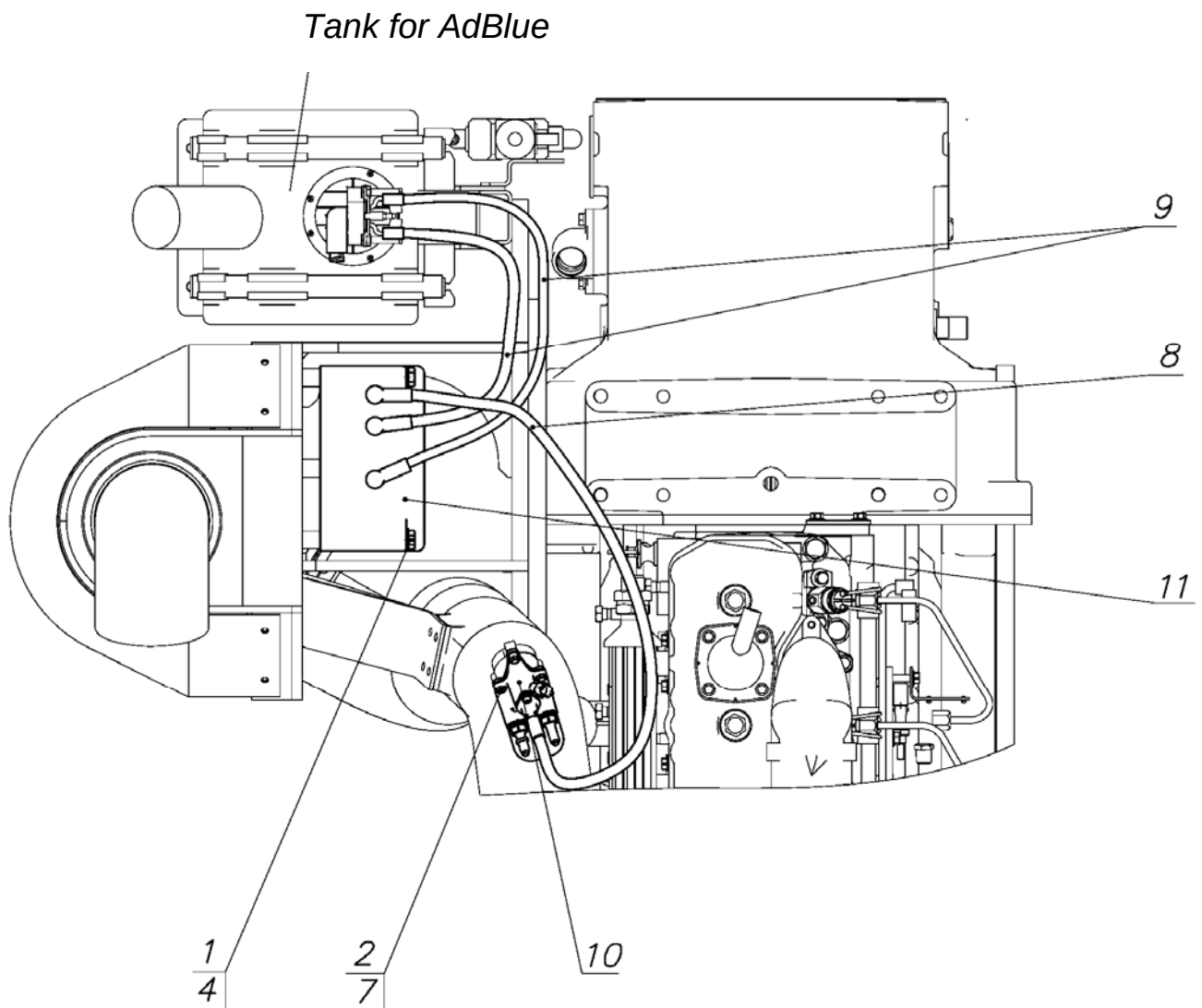


Fig. 12.2 Feed system

Group 12. Exhaust system
Subgroup 1204. Feed system

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
12.2		2022.5-1204010	1	Feed system
	1		3	Bolt M8-6gx90.88.35.019 GOST 7795-70
	2		3	Bolt M6-6gx20.88.35.019 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	Pipeline AdBlue 0452 C20 3RY-00
	9		2	Pipeline AdBlue 0452 C20 3RX-00
	10		1	DNOX2.2 Dosing module 0452 D20 3B 010
	11		1	DNOX2.2 Supply module 0449 Z98 771-00

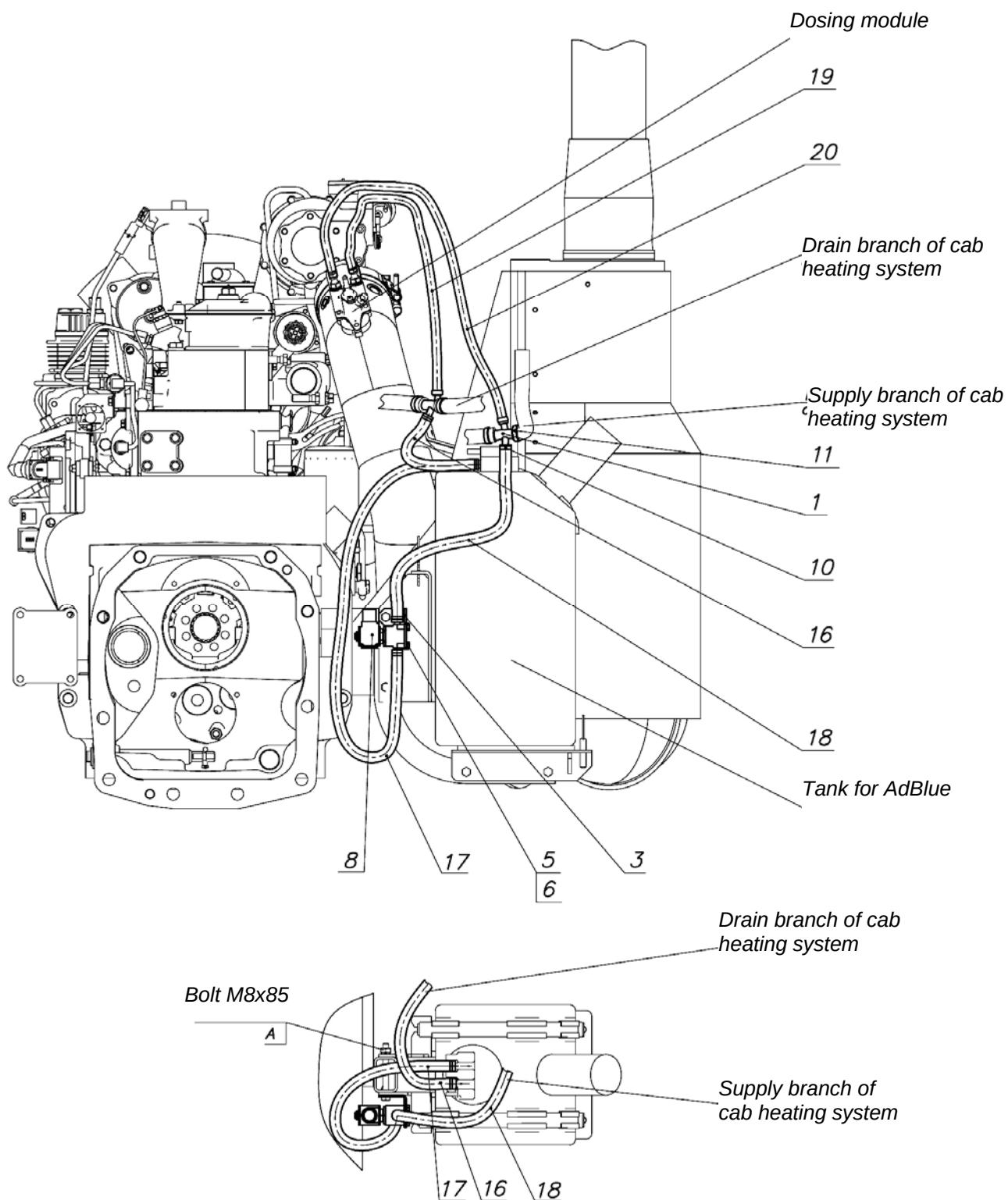


Fig. 12.3 Tank heating system

Group 12. Exhaust system
Subgroup 1209. Tank heating system

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
12.3		2022.5-1209010	1	Tank heating system
	1	3522.5-1209020	2	Angle piece
	3	2022.5-1209011-B	1	Bracket
	5		4	Bolt M6-6gx12.88.35.019 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 10x18,5-1,6 GOST 10362-76 (L= 300 mm)
	17		1	Hose 10x18,5-1,6 GOST 10362-76 (L= 800 mm)
	18		1	Hose 10x18,5-1,6 GOST 10362-76 (L= 400 mm)
	19		1	Hose 10x18,5-1,6 GOST 10362-76 (L= 850 mm)
	20		1	Hose 10x18,5-1,6 GOST 10362-76 (L= 850 mm)

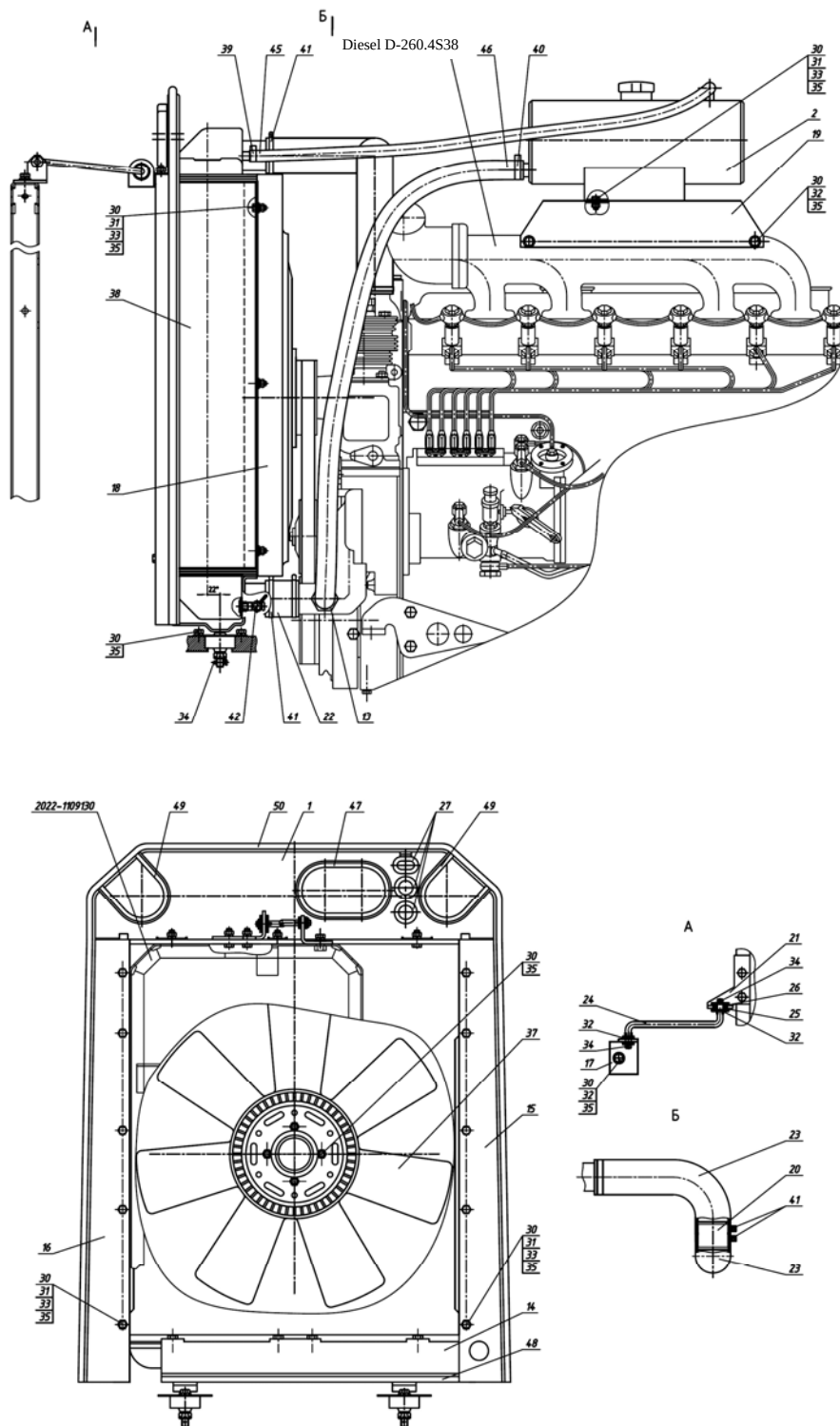


Fig.13.1 Cooling unit

Group 13. Cooling system
Subgroup 1317. Cooling unit

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
13.1		2022.5-1301009	1	Cooling unit
	1	2022.5-1301420	1	Sealant
	2	2022-1311010-B	1	Expansion tank
	13	2022-1301001	1	Fitting
	14	2022-1301002	1	Seal
	15	2022-1301003	1	Seal
	16	2022-1301004	1	Seal
	17	2022.4-1302032	1	Bracket
	18	2022-1309081	1	Casing
	19	2022-1311030-B	1	Bracket
	20	2522-1303011-A	1	Adapter
	21	1520-1302072	1	Bracket
	22	1220-1303004-01	1	Hose
	23	142-1303010-02	2	Hose
	24	90-1302003-A-01	1	Brace
	25	90-1302004	1	Pipe
	26	85-1302071	1	Shock adsorber
	27	50-4607064	3	Bushing
	30		25	Bolt M8-6gx16.88.35.019 GOST 7796-70
	31		12	Nut M8-6H.6.019 GOST 5915-70
	32		11	Washer S 8.01.019 GOST 6958-78
	33		12	Washer S.8.01.019 GOST 11371-78
	34		4	Split pin 3,2x18.019 GOST 397-79
	35		25	Washer 8T OST 37.001.115-75
	37		1	Fan "BWCS" 312899
	38		1	Water radiator 1622.1301010 TU 34 30-048-00232182-2004 or Water radiator 2022-1301.010 TU 4791-004-11943236-2006
	39		2	Clamp/Clamp NORMA TORRO 16-27/971 or Clamp "NORMA" TORRO 16-25/9-C6W
	40		2	Clamp "NORMA" TORRO 25-40/9-C6W or Clamp/Clamp NORMA TORRO 25-40/971
	41		6	Clamp "NORMA" TORRO 50-70/9-C6W or Clamp/Clamp NORMA TORRO 50-70/971
	42		1	Valve PS7-O TU RB 03973223.008-2000
	45		1	Hose 14x23-1,6 GOST 10362-76 (L = 1000 mm)
	46		1	Hose 25x35,0-1,6 GOST 10362-76 (L = 1000 mm)
	47		1	Sealant A37.08.045 (L = 0,46 m)
	48		1	Sealant A37.08.045 (L = 0,525 m)
	49		2	Sealant A37.08.045 (L = 0,25 m)
	50		1	Sealant A37.08.045 (L = 2,42 m)

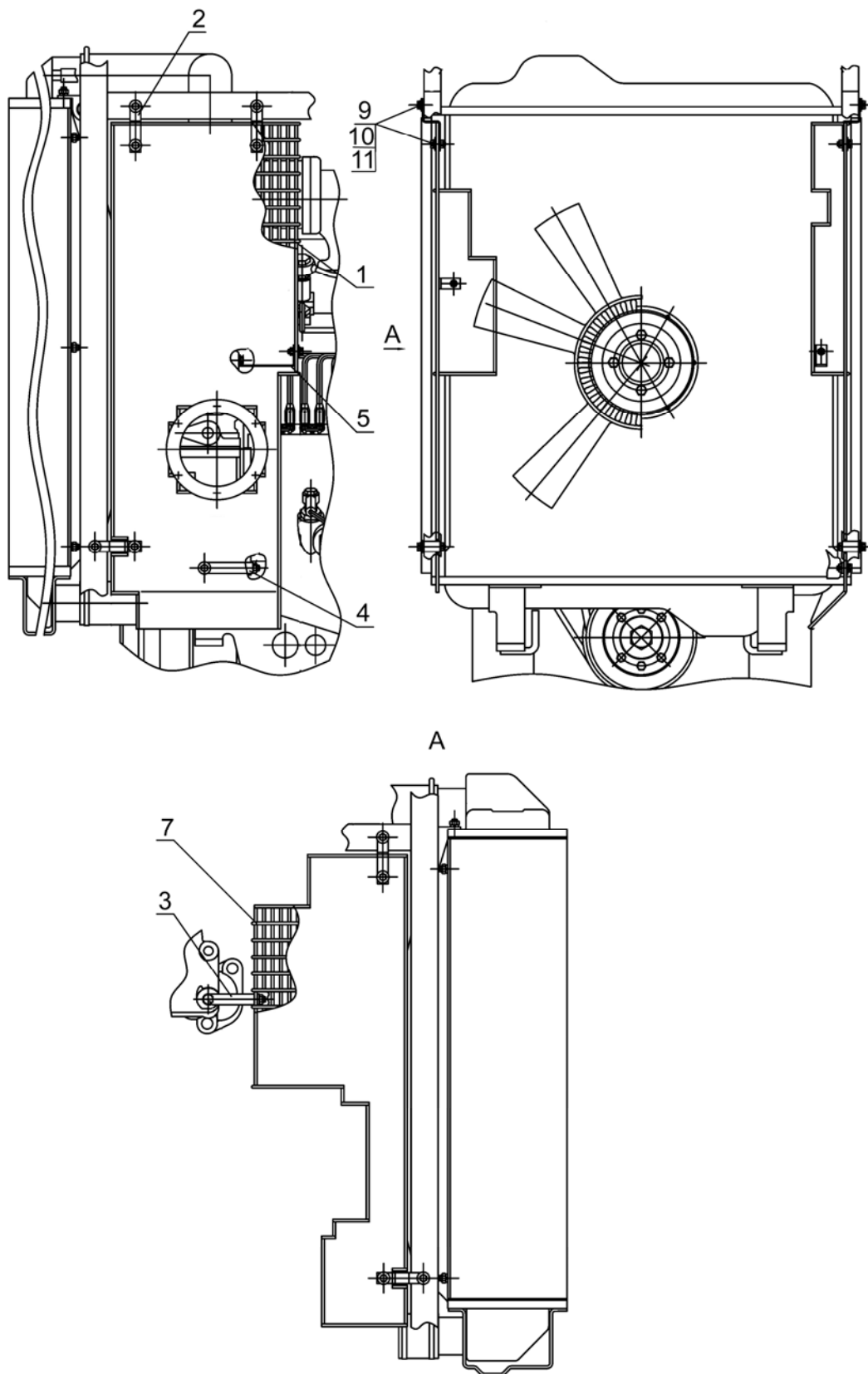


Fig. 13.2 Fan guard

Group 13. Cooling system
Subgroup. 1309 Fan guard

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
13.2		2022-1309300	1	Fan guard
	1	2022-1309050-B	1	Left guard
	2	2022-1309070	5	Bracket
	3	2022-1309075	1	Bracket
	4	2022-1309085	1	Bracket
	5	2022-1309090	1	Bracket
	7	2022-1309041-B	1	Right guard
	9		13	Bolt M6-6gx16.88.35.019 GOST 7798-70
	10	A37.01.022	13	Washer
	11		13	Washer 6T OST 37.001.115-75

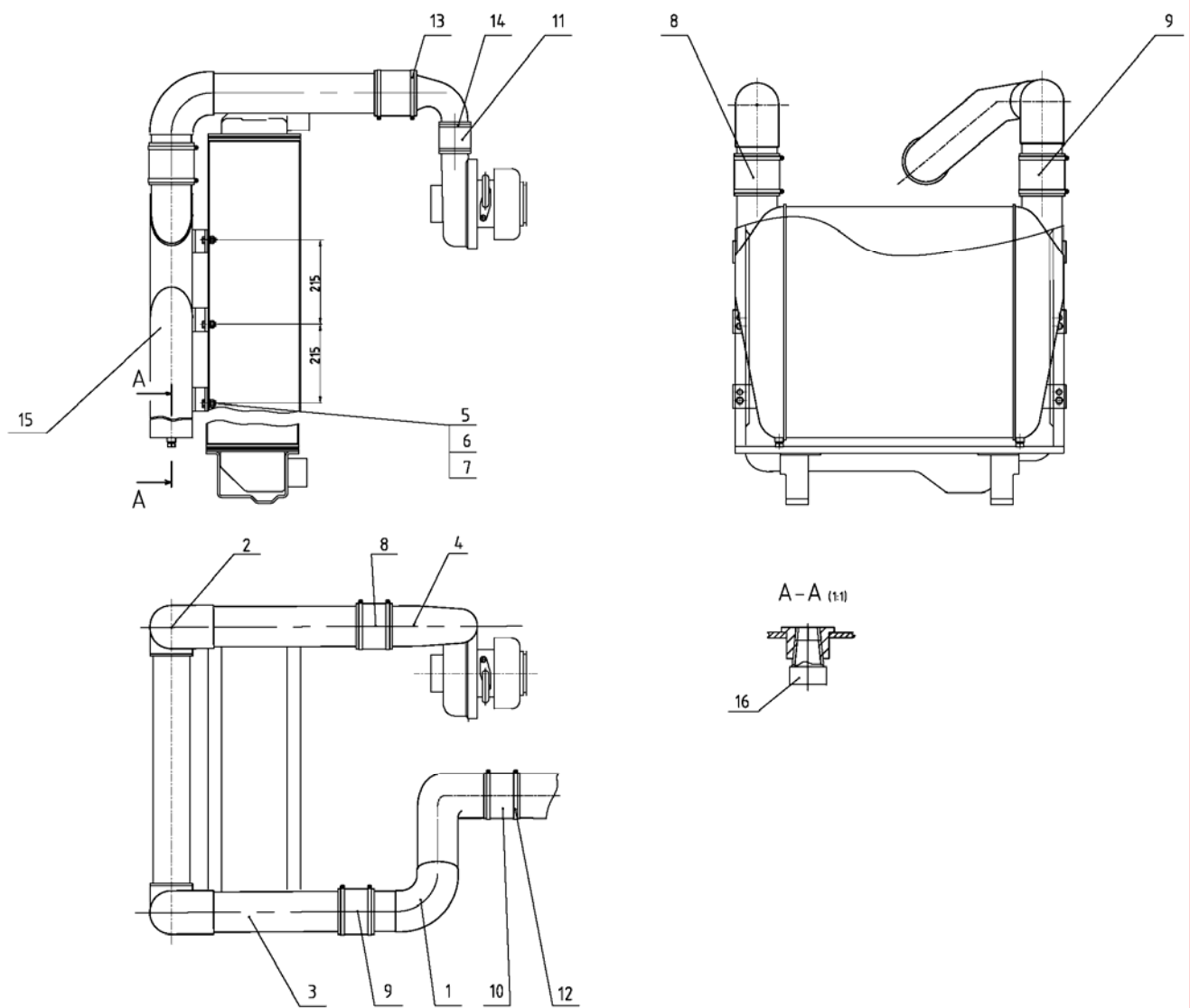


Fig. 13.3 Cooler assembly

Group 13. Cooling system
Subgroup 1317. Cooler assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
13.3		2022.4-1317110	1	Cooler assembly
	1	2022.4-1317710	1	Air line
	2	2022-1317600	1	Air duct
	3	1523-1317620	1	Air line
	4	245-1008311	1	Connecting pipe
	5		6	Bolt M8-6gx16.88.35.019 GOST 7796-70
	6		6	Nut M8-6H.6.019 GOST 5915-70
	7		6	Washer 8T OST 37.001.115-75
	8		2	Silicone pipe "Sico Rubena" 270 003 152-V TU TPD 282 or Heat-resistant connecting pipe PR001-75-100-MA or silicone heat-resistant connecting pipe 75x100x5 (red) 978074096 or Silicone connecting pipe 75-100-K TU 2556-015-54313103-2010
	9		2	Silicone pipe "Sico Rubena" 270 003 152-A TU TPD 282 or heat-resistant connecting pipe PR001-75-100-PES or silicone heat-resistant connecting pipe 75x100x5 (blue) 978074102 or Silicone connecting pipe 75-100-S TU 2556-015-54313103-2010
	10		1	Silicone connecting pipe "Sico Rubena" 270 003 153-A TU TPD 282 or Heat-resistant connecting pipe PR001-90-120-PES or Silicone connecting pipe 90-120-S TU 2556-015-54313103-2010
	11		1	Silicone connecting pipe "Sico Rubena" 270 003 194-V TU TPD 282 or Heat-resistant connecting pipe PR001-50-100-MA or Silicone connecting pipe 50-100-K TU 2556-015-54313103-2010
	12		2	Clamp/Clamp NORMA TORRO 90-110/12-C7 W1 or Clamp/Clamp NORMA TORRO 90-110/1271
	13		8	Clamp/Clamp NORMA TORRO 70-90/12-C7 W1 or Clamp/Clamp NORMA TORRO 70-90/1271
	14		2	Clamp/Clamp NORMA TORRO 50-70/12-C7 W1 or Clamp/Clamp NORMA TORRO 50-70/1271
	15		1	Cooler 2022-1317100 TU BY 100152790.002-2005
	16		2	Plug - KG 1/4". A12.019 TU 23.1.506-91

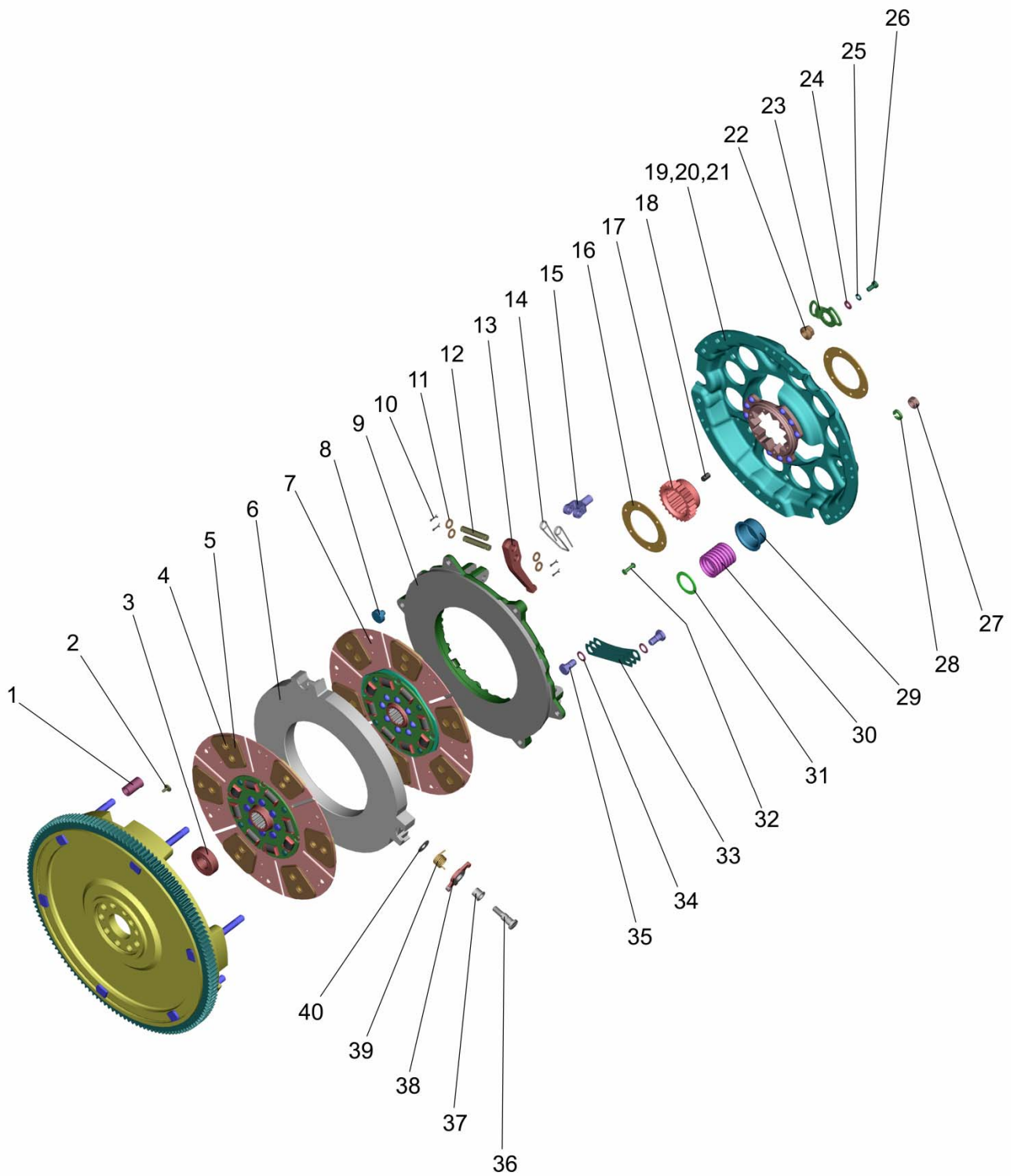
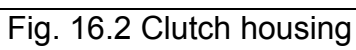


Fig. 16.1 Clutch assembly

Group 16. Clutch
Subgroup 1601. Clutch assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
16.1		260.4-1005009	1	Clutch assembly (1-40)
		1520-1601085	1	Center plate (6, 36-40)
		85-1601090-B	1	Clutch plate (8-35)
		1522-1601120	1	Cover plate (16-18, 21, 32)
	1	70-1601074	6	Bushing
	2	142-1601316	3	Sliding pin
	3	180205K1C17	1	Bearing
	4	566529	24	Rivet TT2 7050914 (included into 7)
	5	566528	24	Segment GBV 156400 (7650861d) (included into 7)
	6	1520-1601092	1	Center plate
	7	2022-1601130-A	2	Driven plate assy
	8	1520-1601123	3	Limit stop
	9	85-1601093-B	1	Pressure plate
	10	3,2x18	12	Split pin 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	Fork
	16	1522-1601062	2	Washer
	17	70-1601053	1	Bushing
	18	70-1601091	12	Damper
	19	8x22	9	Rivet (included into 21) GOST 10299-80
	20	1522-1601051	1	Hub (included into 21)
	21	1522-1601125	1	Cover plate (assembled with 19 and 20)
	22	85-1601109-A	3	Adjusting nut
	23	85-1601086	3	Lock washer
	24	C 8.01.019	6	Washer GOST 11371-78
	25	8 T	6	Washer OST 37.001.115-75
	26	M8x16	6	Bolt GOST 7796-70
	27	M12x1,25	9	Nut GOST 5915-70
	28	12 OT	9	Washer
	29	85-1601072-B	9	Cage
	30	85-1601115	9	Spring
	31	85-1601118-B	9	Insulating washer
	32	6x30.01	6	Rivet GOST 10299-80
	33	85-1601124	9	Plate
	34	85-1601121	6	Washer
	35	85-1601126	6	Bolt
	36	142-1601306	3	Release lever axle
	37	142-1601088	3	Bushing
	38	142-1601087-B	3	Release lever
	39	142-1601314-B	3	Spring
	40	142-1601089	3	Lock washer



Group 16 Clutch
Subgroup 1601. Clutch housing

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
16.2		1522-1601300	1	Filler neck (6, 7, 8)
	1	1522-1601015-01	1	Housing
	2	240-1002082-A	1	Gasket
	3	240-1002085	1	Mesh
	4		16	Washer 8T OST 37.001.115-75
	5	M8x20	3	Bolt
	6	1522-1601310	1	Filler neck
	7	082-1103010	1	Plug
	8	36-1101070	1	Chain
	9	70-4605036-03	1	Bolt
	10		6	Washer 20 OT OST 37.001.115-75
	11	SHTSK 10x25	2	Dowel
	12	80-1601343	1	Gasket
	13		4	Washer 12 OT OST 37.001.115-75
	14	M12x30	2	Bolt
	14a	M12x150	2	Bolt
	15	70-4605036	4	Bolt
	16	M20	1	Nut
	17	70-1701301	1	Plug
	18	80-1601314	1	Gasket
	19	80-1601313	1	Cover
	20	M8x25	7	Bolt
	21	M8x16	4	Bolt
	22	50-1601341	1	Cover
	23	048-052-25-2-4	1	Ring
	24	86-1802020	1	Cage
	25	2.2.38x58-1	2	Collar
	26	M8x35	2	Bolt

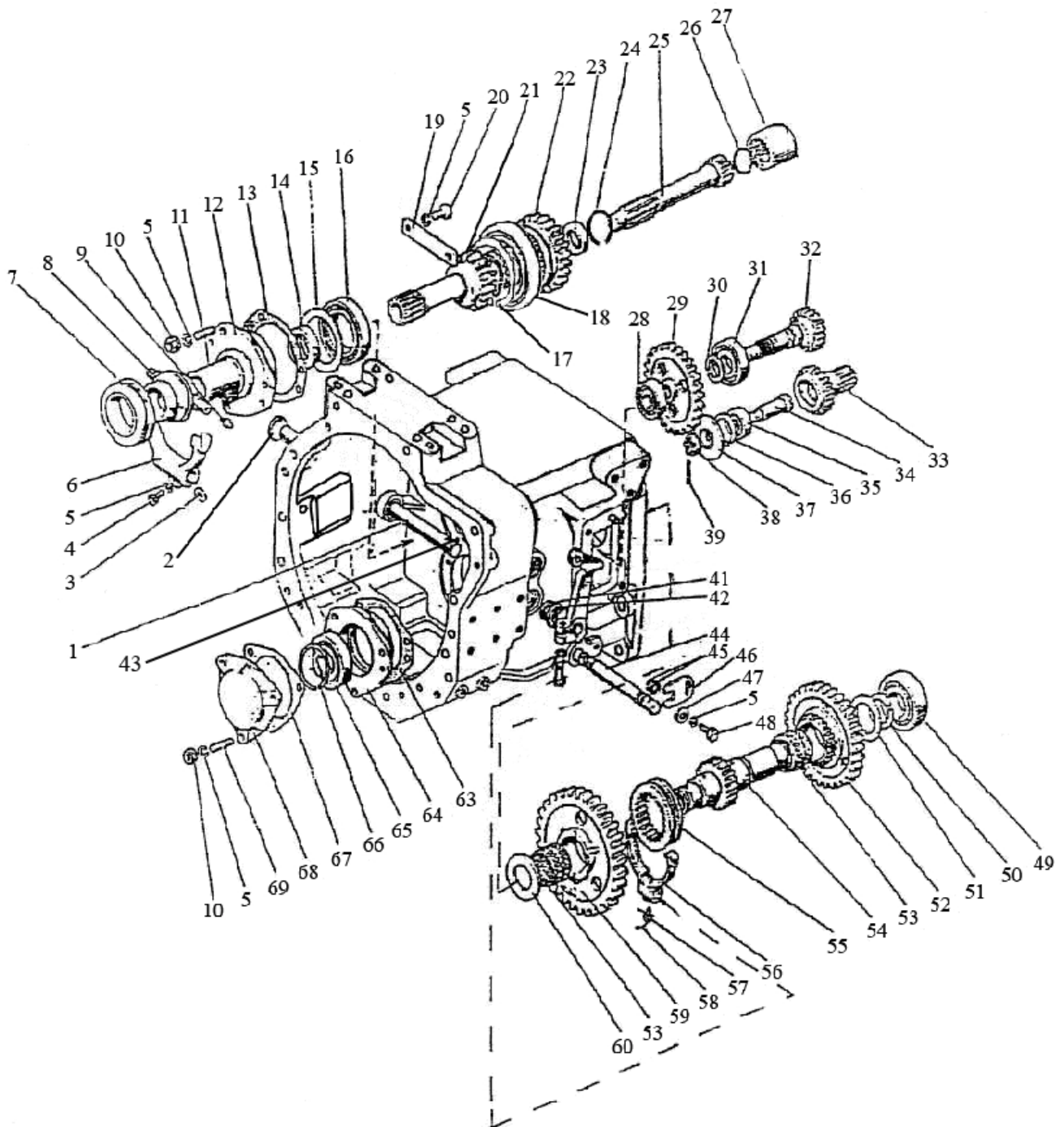
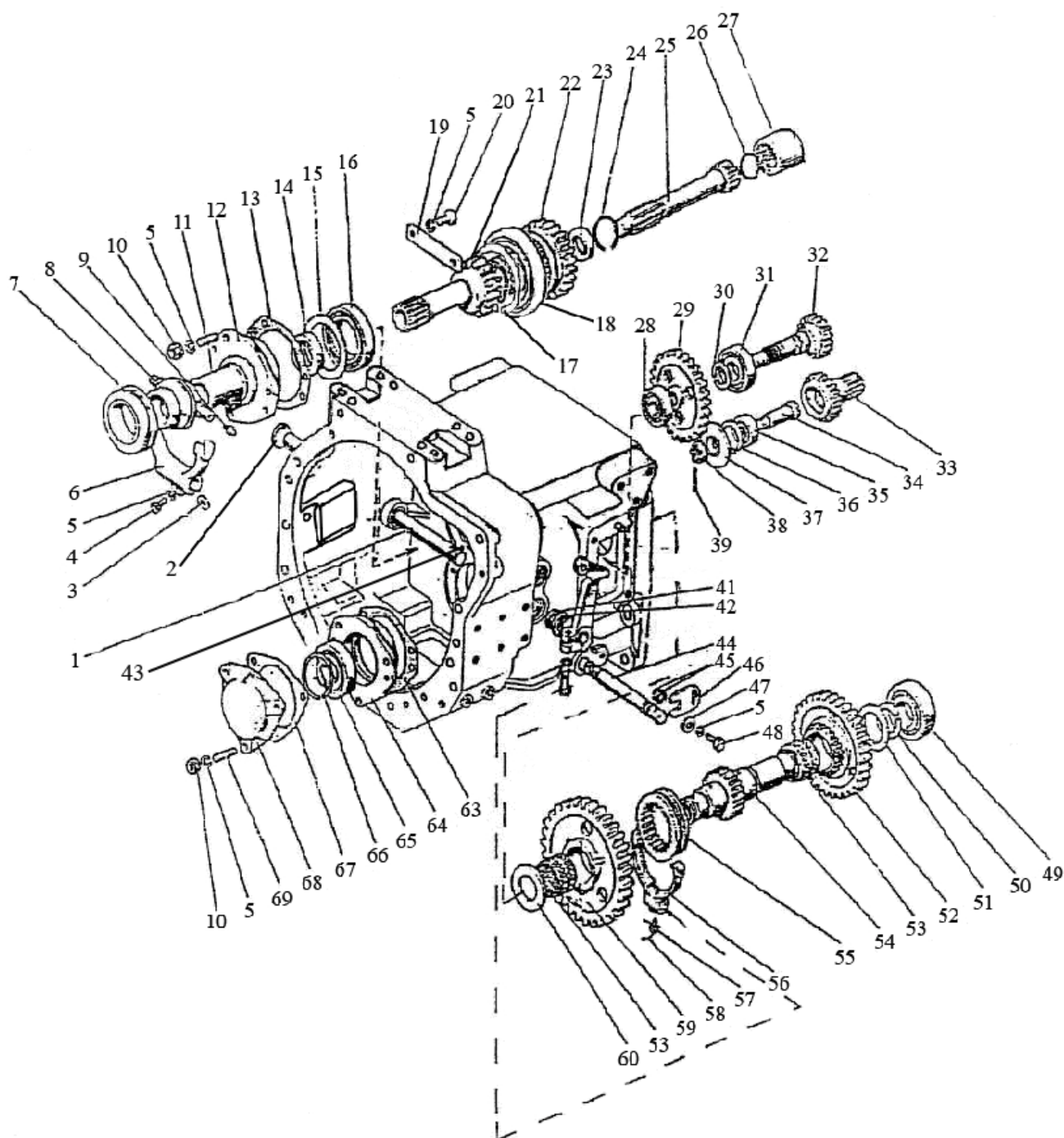


Fig. 16.3 Clutch housing (2022-1600010-A) (with GB 24x12)

Group 16 Clutch
Subgroup 1601. Clutch housing

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
16.3		1522-1601040	1	Cage (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)
		2125-1601160	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	M10x30	1	Bolt
	5		10	Washer 10 OT OST 37.001.115-75
	6	85-1601203	1	Fork
	7	986714K1S23	1	Bearing
	8	50-1601185-A	1	Release yoke
	9	1.1.TS9.chr	1	Oiler
	10	M10	6	Nut
	11	M10x3p/6gx25	3	Stud
	12	85-1601172	1	Bracket
	13	80-1601173	1	Gasket
	14	240-1002055	1	Collar
	15	80-1601319	1	Washer
	16	6-12115EMUSH1	1	Bearing
	17	S105	1	Ring
	18	76-1000921	1	Bearing
	19	80-1601318	1	Strip
	20	M10x25	2	Bolt
	21	1522-1601026	1	Shaft
	22	1522-1601027	1	Gear
	23	2.2-38x58	1	Collar
	24	2S75	1	Ring
	25	2022 -1601113	1	Shaft
	26	S45	1	Ring
	27	2022-1601061	1	Bushing
	28	305A	1	Bearing
	29	80-1601357-B	1	Gear
	30	C35	1	Ring



37

Group 16 Clutch
Subgroup 1601. Clutch housing

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
16.3	31	207	1	Bearing
	32	80-1601071-B	1	Gear shaft
	33	80-1601182	1	Gear
	34	80-1601181	1	Axle
	35	204A	1	Bearing
	36	C47	1	Ring
	37	80-1601356	1	Thrust washer
	38	70-3003032	1	Nut
	39	3,2x25	1	Split pin
	41	80-4608024	1	Ring
	42	36-1601016	1	Housing
	43	SSH-611	1	Key 6x11
	44	85-1601111	1	Shaft
	45	020-025-30-1-4	2	Ring
	46	85-1601099	1	Plate
	47		1	Washer S 10.01.019 GOST 6958-78
	48	M10x20	1	Bolt
	49	210AUSH1	1	Bearing
	50	2C55	1	Ring
	51	2125-1601082	1	Washer
	52	2125-1601086	1	Gear
	53	K55x63x32	2	Bearing
	54	2125-1601021	1	Shaft
	55	112-1701343	1	Coupling
	56	80-1601190	1	Fork
	57	50-4604046	1	Fork bolt
	58	1,0-O-C	1	Wire
	59	2125-1601088	1	Gear
	60	2022-1601081	1	Washer
	63	80-1601091	1	Gasket
	64	1522-1601041	1	Cage
	65	102210KM	1	Bearing
	66	2C50	1	Ring
	67	80-1601092	1	Gasket
	68	1522-1601089	1	Cover
	69	M10x3p/6gx35	3	Stud

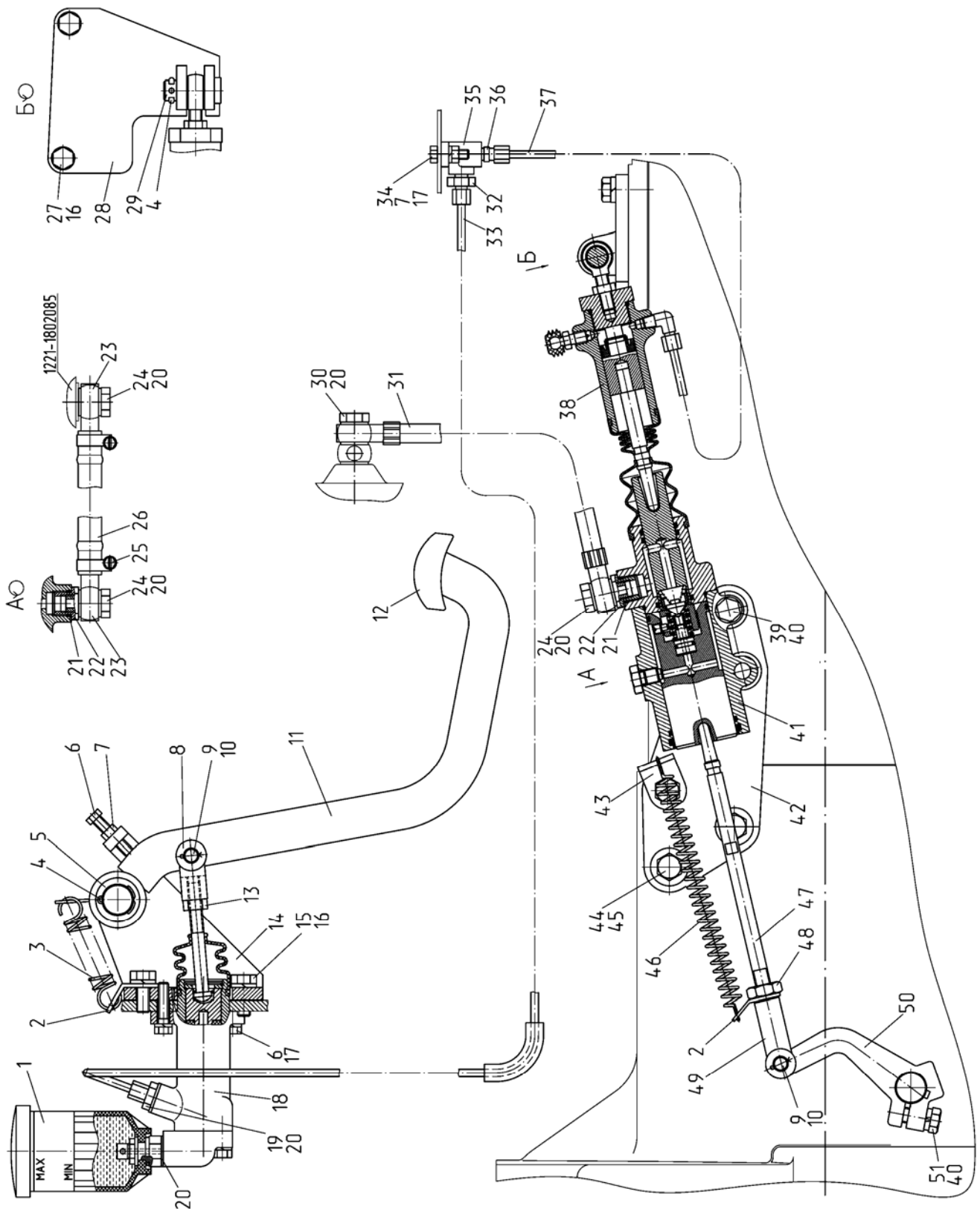


Fig. 16.4 Clutch control

Group 16. Clutch.
Subgroup 1602. Clutch control

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
16.4		2022-1602010	1	Clutch control on forward movement
	1	822-1602120	1	Tank (see fig. 16.8)
	2	80-1602116	2	Eye
	3	70-4616033 repl.	1	Spring
	4		2	Split pin 4x36.019 GOST 397-79
	5	50-3406037	1	Washer
	6		3	Bolt M8-6gx35.88.35.019 GOST 7796-70
	7		3	Nut M8-6H.6.019 GOST 5915-70
	8	822-3502203	1	Fork
	9		2	Split pin 3,2x18.019 GOST 397-79
	10		2	Pin 12x32 OST 37.001.163-97
	11	1522-1602020-B	1	Pedal
	12	A13.33.022	1	Onlay
	13		1	Nut M10-6H.6.019 GOST 5915-70
	14	1522-1602030-B	1	Bracket
	15		4	Bolt M10-6gx25.88.35.019 GOST 7796-70
	16		6	Washer 10 OT OST 37.001.115-75
	17		4	Washer 8T OST 37.001.115-75
	18	2022-1602810	1	Main cylinder (see fig. 16.6)
	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	2	Oil pipeline
	24	D18-051	3	Bolt
	25		2	Clamp/Clamp NORMA TORRO 12-22/971
	26		1	Hose 10x18,5-1,6 GOST 10362-76 (L=1300 mm)
	27		2	Bolt M10-6gx45.88.35.019 GOST 7795-70
	28	2022-1602040	1	Plate
	29		1	Pin 16x40 OST 37.001.163-97
	30	240-1111103	1	Bolt
	31	2022-2401540-01	1	Oil pipeline
	32	822-3503701	1	Fitting
	33	2522-1602595	1	Pipeline
	34		2	Bolt M8-6gx25.88.35.019 GOST 7796-70
	35	80V-1602106-B	1	Angle piece
	36	80-1701549	1	Fitting
	37	2022-1602280	1	Pipeline
	38	1523-1602550-01	1	Operating cylinder
	39		2	Bolt M12-6gx90.88.35.019 GOST 7795-70
	40		3	Washer 12 OT OST 37.001.115-75
	41	2022-1602510-01	1	Hydraulic booster
	42	1522-1602067	1	Bracket
	43	2022-1602064	1	Bracket
	44		3	Bolt M16-6gx50.88.35.019 GOST 7796-70
	45		3	Washer 16 OT OST 37.001.115-75
	46	50-1605152	1	Spring
	47	1221V-1602112	1	Rod
	48	M12x1,25	1	Nut
	49	50-3502203	1	Fork
	50	1522-1601219	1	Lever
	51		1	Bolt M12-6gx35.88.35.019 GOST 7796-70

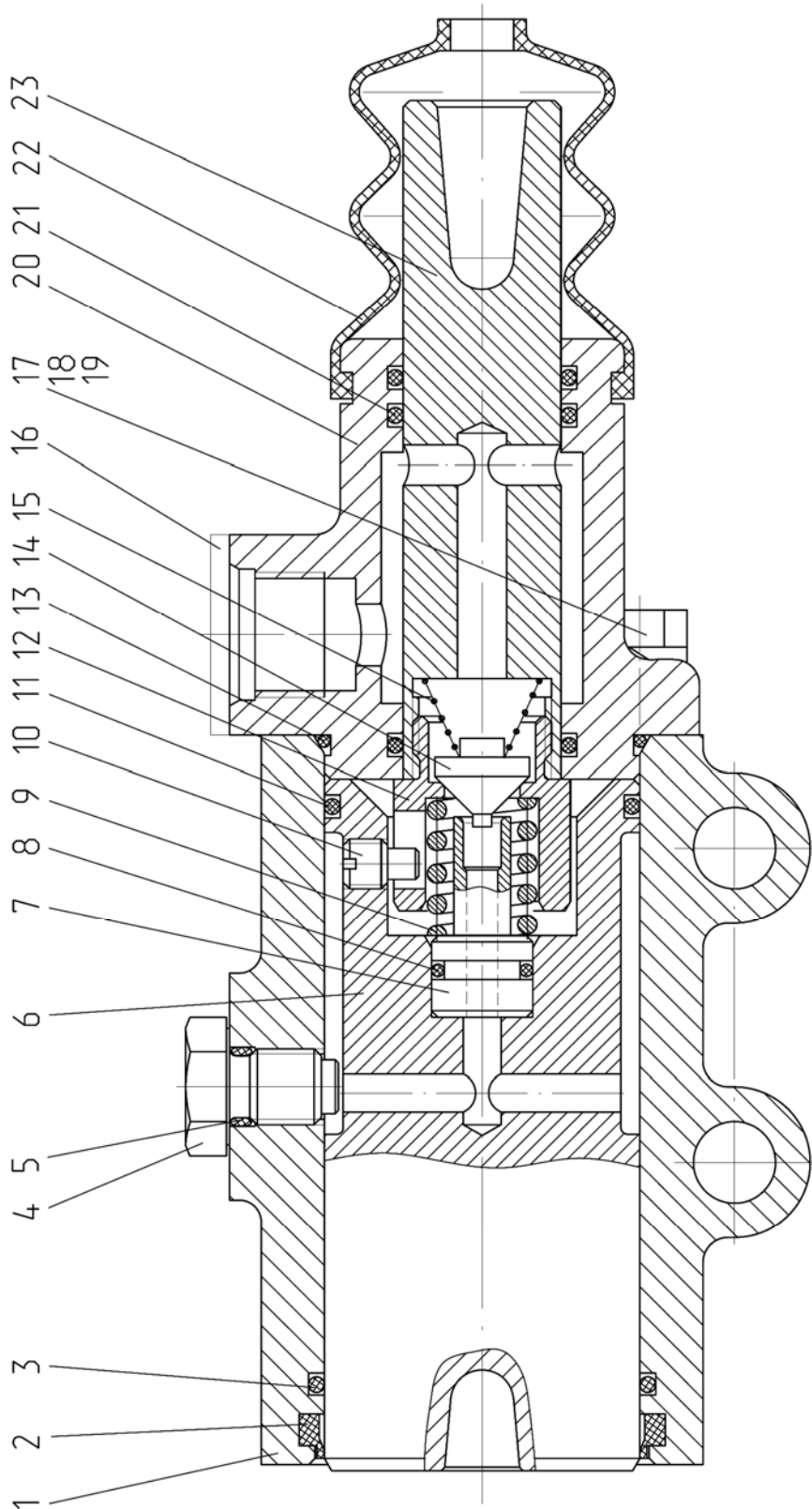


Fig. 16.5 Hydraulic booster

Group 16. Clutch
Subgroup 1602. Hydraulic booster

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
16.5		2022-1602510-01	1	Hydraulic booster
	1	2022-1602511-01	1	Housing
	2		1	Scarper DA22 WD22005500-Z201
	3	050-055-30-1-4	1	Ring
	4	2022-1602517	1	Clamp bolt
	5	009-012-19-1-4	1	Ring
	6	2022-1602524	1	Piston
	7	2022-1602532	1	Rod
	8	012-016-25-2-4	1	Ring
	9	2022-1602522	1	Spring
	10	2022-1602518	1	Clamping screw
	11	045-050-30-1-4	1	Ring
	12	2022-1602554	1	Rod
	13	048-052-25-2-4	1	Ring
	14	2022-1602516	1	Valve
	15	2022-1602838	1	Spring
	16	R75-090-A	2	Transport blind plug
	17		2	Bolt M8-6gx25.88.35.019 GOST 7796-70
	18		2	Bolt M8-6gx40.88.35.019 GOST 7795-70
	19		4	Washer 8T OST 37.001.115-75
	20	2022-1602512	1	Cover
	21	025-030-30-1-4	3	Ring
	22	142-1602543	1	Boot
	23	2022-1602544	1	Pusher

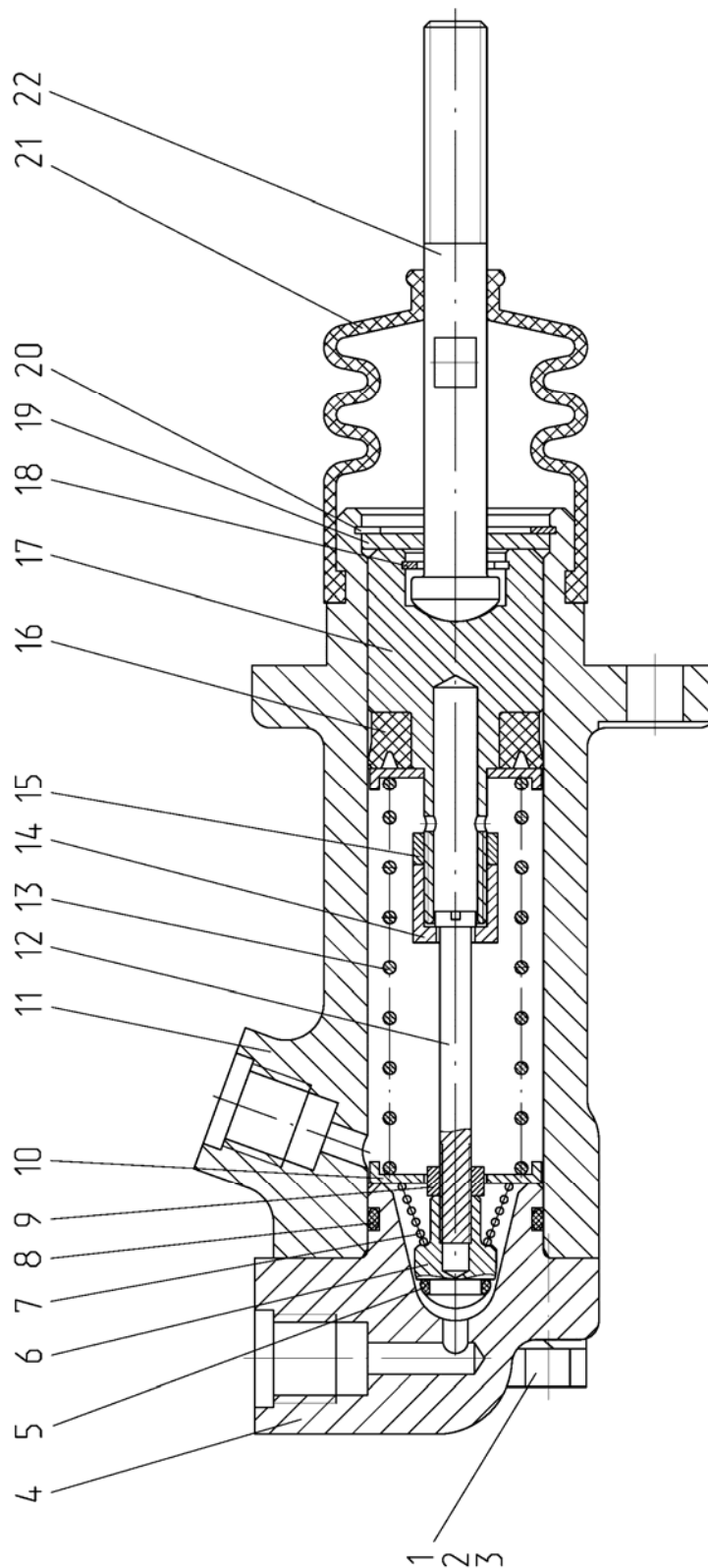


Fig. 16.6 Main cylinder

Group 16. Clutch
Subgroup 1602. Main cylinder

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
16.6		2022-1602810	1	Main cylinder
	1		2	Bolt M8-6gx25.88.35.019 GOST 7796-70
	2		2	Bolt M8-6gx40.88.35.019 GOST 7796-70
	3		4	Washer 8T OST 37.001.115-75
	4	2022-1602812	1	Cover
	5		1	Rubber seal ring OR EPDM70 00700250
	6	2022-1602823	1	Valve
	7	2022-1602838	1	Spring
	8	024-028-25-2-4	1	Rubber seal ring OR EPDM70 02350250
	9		1	Nut M5-6H.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	Sleeve nut
	15	2022-1602826	1	Nut
	16		1	Collar N14-102 (14x28x10) Simrit 85 EPDMV MOO 282
	17	2022-1602821	1	Piston
	18		1	Ring S16 GOST 13943-86
	19		1	Washer S 16.01.019 GOST 11371-78
	20		1	Ring S30 GOST 13943-86
	21	142-1602569	1	Boot
	22	2022-1602813	1	Pusher

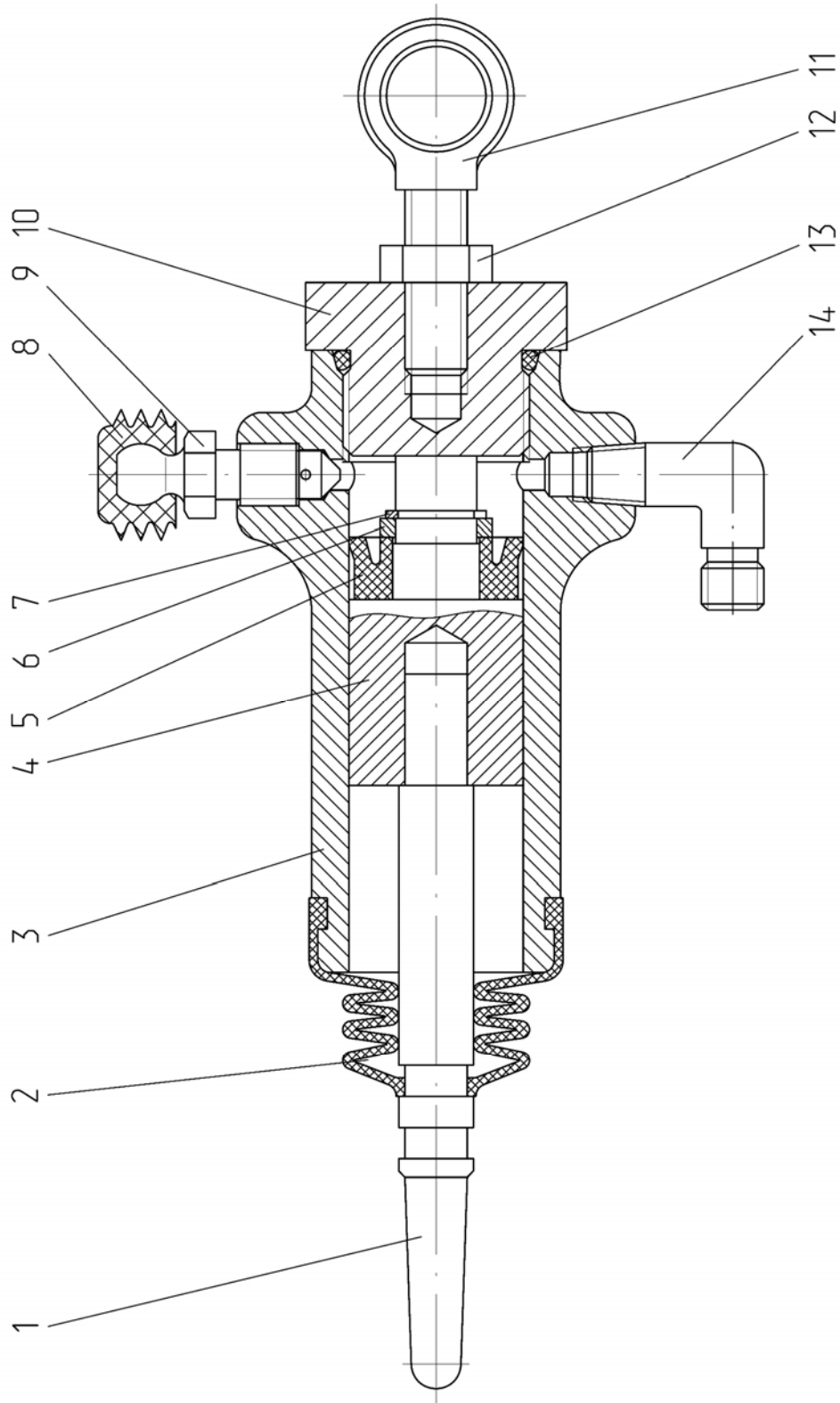


Fig. 16.7 Operating cylinder

Group 16. Clutch
Subgroup 1602. Operating cylinder 1523-1602550-01

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
16.7		1523-1602550-01	1	Operating cylinder
	1	80V-1602557	1	Rod
	2	142-1602569	1	Boot
	3	1221V-1602551	1	Housing
	4	1221V-1602556	1	Piston
	5		1	Collar N14-102 (14x28x10) 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 M10-6H.6.019 GOST 5915-70
	13		1	Rubber seal ring OR EPDM70 02700250
	14	86-1802088	1	Angle piece

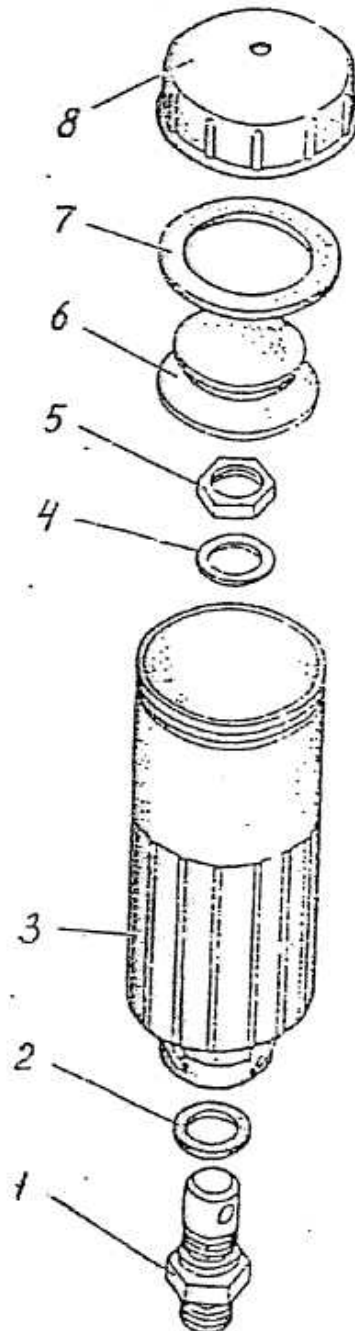


Fig. 16.8 Tank

**Group 16. Clutch
Subgroup 1602. Tank**

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
16.8		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 M12x1,25-6H.04.019 GOST 5916-70
	6	822-1602123	1	Plate
	7	822-1602124	1	Gasket
	8	822-1602122	1	Cover

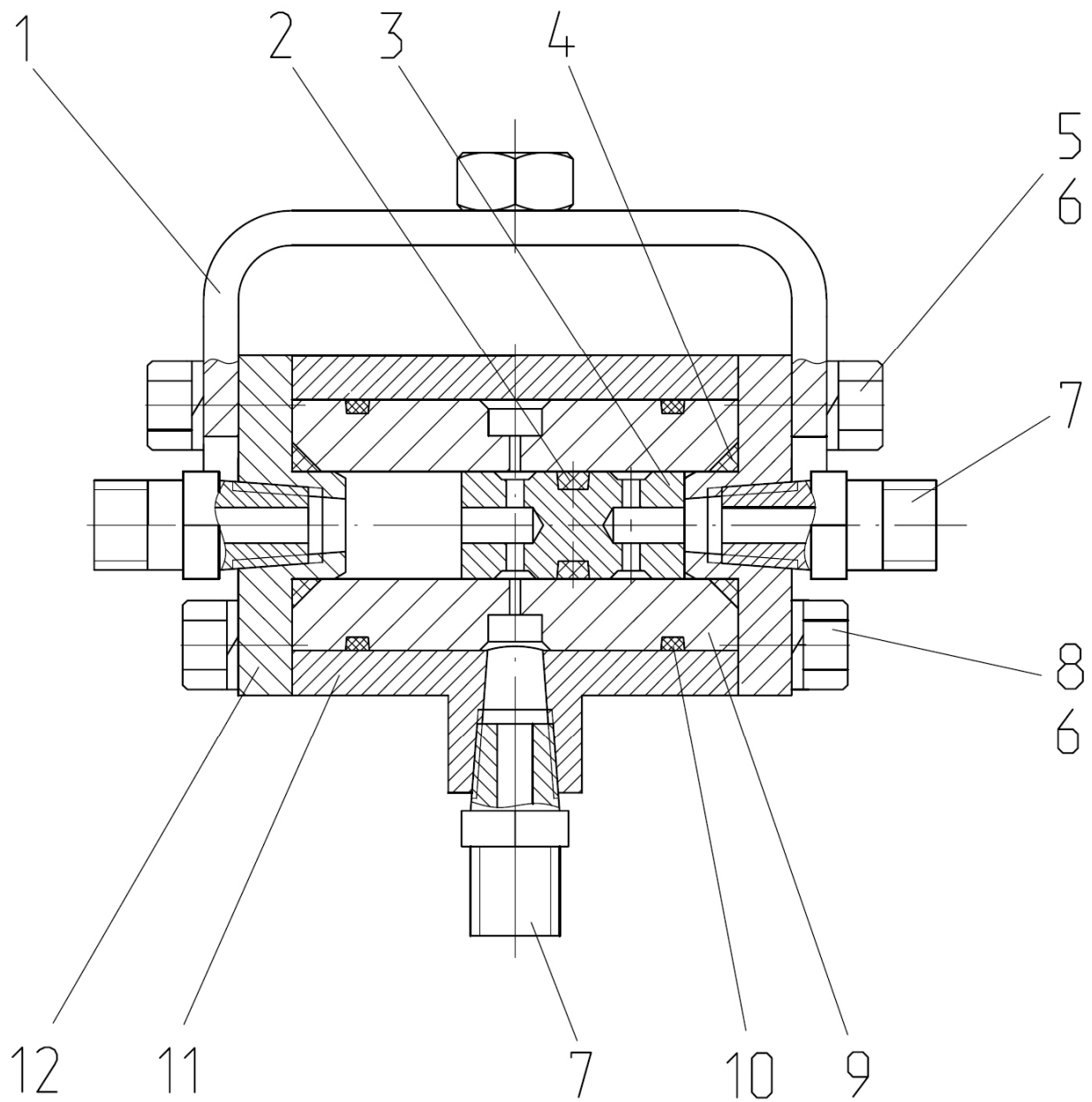


Fig. 16.9 Valve

**Group 16. Clutch
Subgroup 1602. Valve**

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
16.9		2822-1602100-03	1	Valve
	1	2822-1602110	1	Bracket
	2		1	Rubber seal ring OR EPDM70 00800250
	3	2822-1602104	1	Piston
	4		2	Rubber seal ring OR EPDM70 01150250
	5		4	Bolt M6-6gx25.58.35.019 GOST 7798-70
	6		8	Washer 6T OST 37.001.115-75
	7	80-1701549	3	Fitting
	8		4	Bolt M6-6gx20.88.35.019 GOST 7798-70
	9	2822-1602102	1	Housing
	10		2	Rubber seal ring OR EPDM70 02500200
	11	2822-1602101	1	Housing
	12	2822-1602103	2	Cover

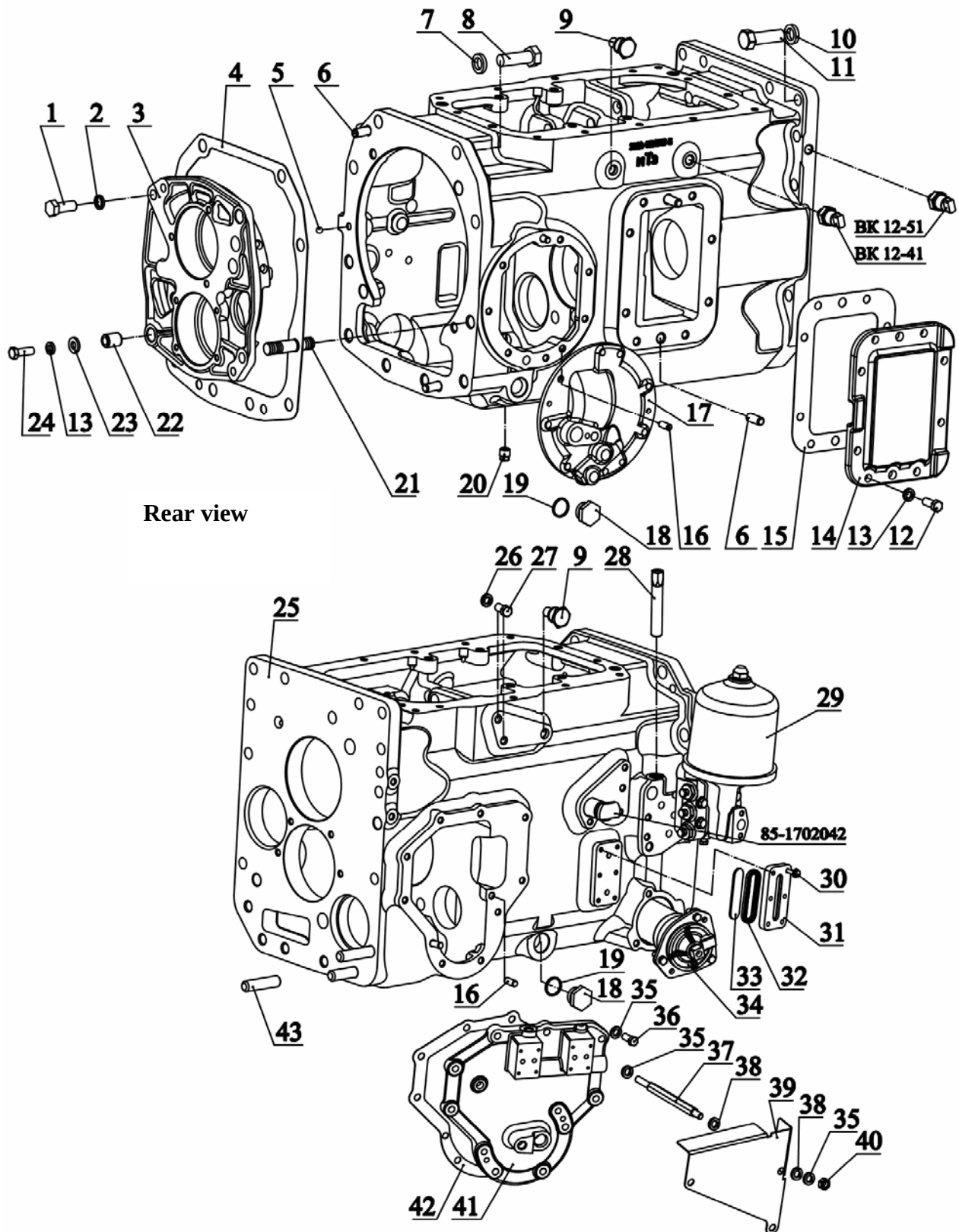


Fig. 17.1 Gearbox 2022-17100010 (24F+12R)

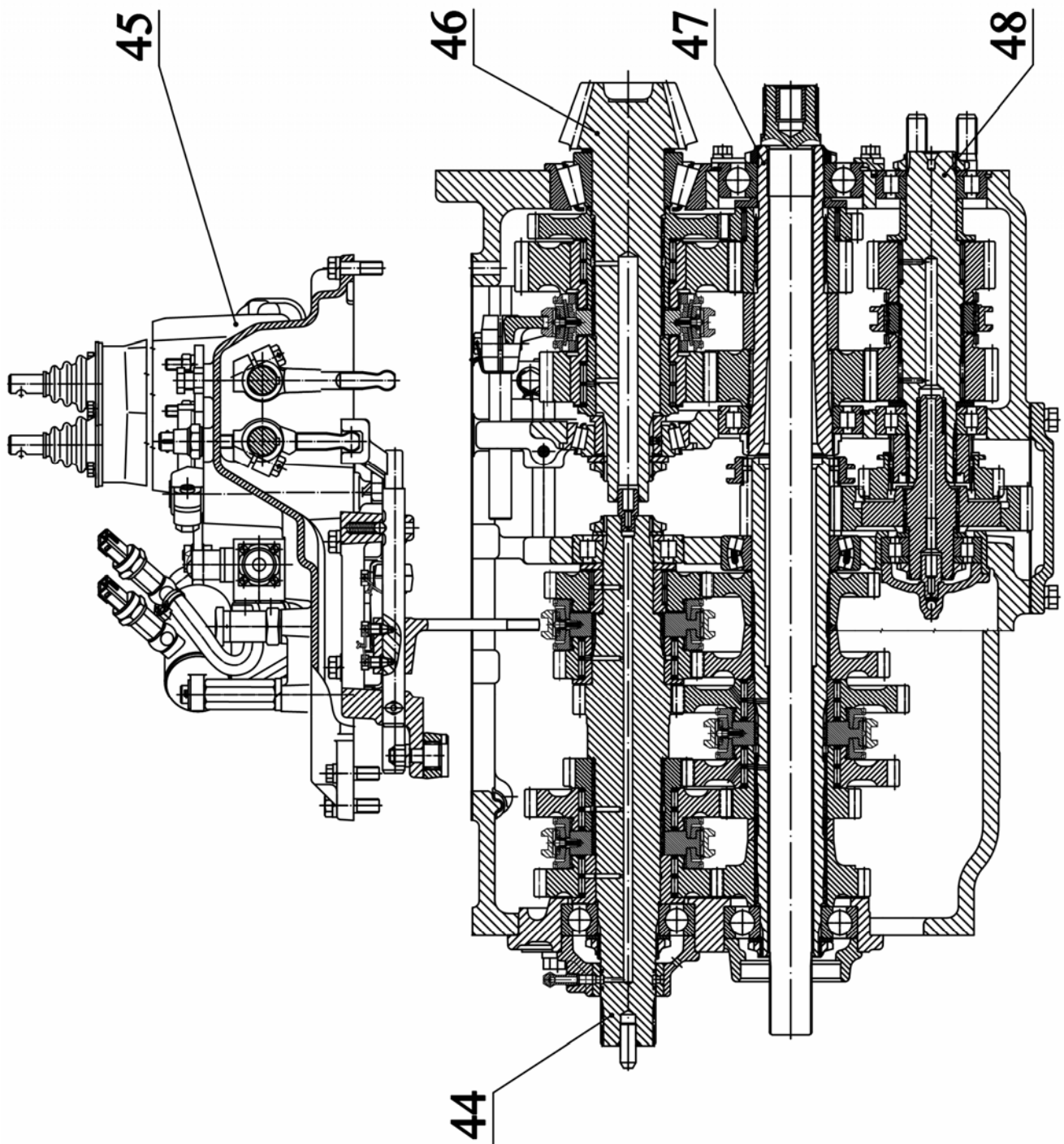


Fig. 17.2 Gearbox 2022-17100010 (24F+12R)

Group 17. Gearbox
Subgroup 1701. Gearbox 2022-1700010

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.1 17.2		2022-1700010		Gearbox
	1		2	Bolt M16-6gx45.88.35.019 GOST 7796-70
	2		2	Washer 16 OT OST 37.001.115-75
	3	1222-1701034	1	Cage
	4	80-1701026	1	Gasket
	5		1	Ball10,0-60 GOST 3722-81
	6	D01-015	4	Dowel pin
	7		4	Washer 20 OT OST 37.001.115-75
	8	70-4605036	4	Bolt
	9	50-1002318-B	2	Eye bolt
	10		13	Washer 18 OT OST 37.001.115-75
	11		10	Bolt M18-6gx65.88.35.019 GOST 7796-70
	12		7	Bolt M12-6gx30.88.35.019 GOST 7796-70
	13		9	Washer 12 OT OST 37.001.115-75
	14	2022-1701454	1	Cover
	15	2022-1701456	1	Gasket
	16	SHTSK 10x25	4	Dowel
	17	1222-1704010	1	Pump drive
	18	80-4608021	2	Blind plug
	19		2	Ring 027-032-30-1-4 GOST 18829-73/GOST 9873-33
	20	PK KG 3/8"	1	Plug
	21	80-1701525	1	Stud M20 3p/6gx65.66.019 GOST 22034-76
	22	1222-1701071	2	Dowel
	23	1222-1701072	2	Washer
	24		2	Bolt M12-6gx60.88.35.019 GOST 7796-70
	25	2022-1701025-B	1	Housing
	26	85-1702051	2	Washer
	27		2	Bolt M12-6gx25.88.35.019 GOST 7796-70
	28	1221-1737099	1	Fitting
	29	80-1737110	1	Distributor-filter
	30		6	Bolt M6x20 DIN EN 1665-98
	31	85-4608088-B	1	Housing
	32	85-4608086-B	1	Sealant
	33	85-4608087-B	1	Pointer
	34	80-1716010		Filter
	35		12	Washer 10 OT OST 37.001.115-75
	36		6	Bolt M10-6gx35.88.35.019 GOST 7796-70
	37	1221-1802094	3	Stud
	38		6	Washer S10.01.019 GOST 11371-78
	39	2022-1802095	1	Casing

Group 17. Gearbox
Subgroup 1701. Gearbox 2022-1700010

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.1 17.2	40		3	Nut M10-6H.6.019 GOST 5915-70
	41	1221-1802016	1	Cover
	42	80-1701399-B	1	Gasket
	43	1522-1701525	3	Stud
	44	1222-1701020	1	Gear unit (Fig. 17.2)
	45	1222-1702010-A-01	1	Control mechanism
	46		1	Secondary shaft (Fig.17.5)
	47		1	Gear train shaft (Fig.17.4)
	48		1	Low gears and reverse shaft (Fig.17.3)

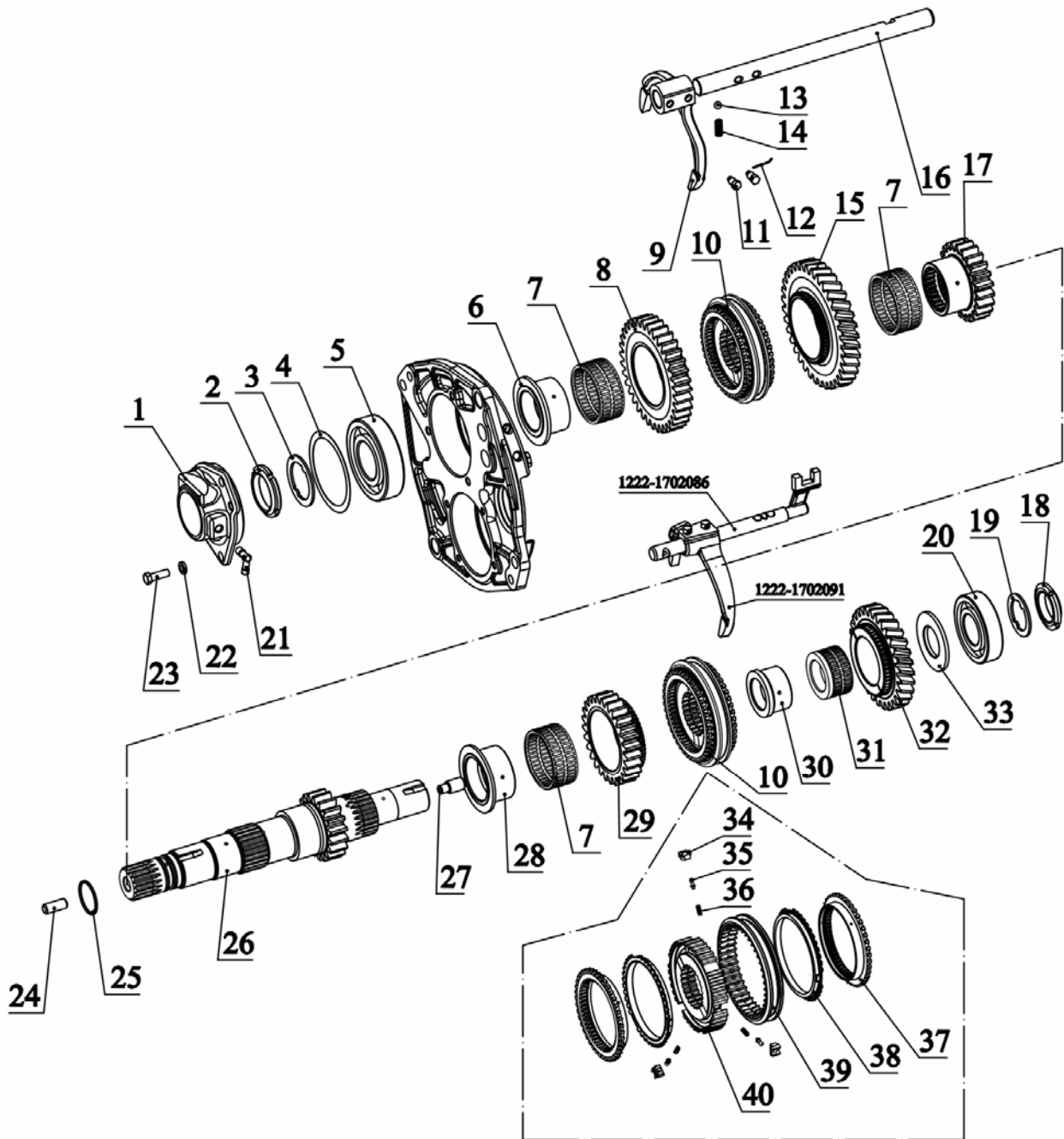


Fig. 17.3 Gear unit. Primary shaft

Group 17. Gearbox
Subgroup 1701. Gear unit. Primary shaft

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.3		1222-1701020		Gear unit
			2	Synchronizer GT-C 114; 3.53685.3 or
		1222-1701400		Synchronizer (34-40)
	1	1222-1701030	1	Body
	2	80-1701047	1	Nut
	3	80-1701186	1	Washer
	4	1222-1701033	3	Washer
	5		1	Bearing 6-311ASH1 GOST 8338-75
				or bearing 311A GOST 8338-75
	6	1222-1701043	1	Bushing
	7		3	Bearing 3KK 78x89x38E TU RB 00234873.003-99
	8	1222-1701052	1	Gear
	9	1222-1702088	1	Fork
	10		2	Synchronizer GT-C 114; 3.53685.3 or
		1222-1701400		Synchronizer (34-40)
	11	220-1702061	2	Bolt
	12		400 mm	Wire 1,6-O-C GOST 3282-74
	13		1	Ball 10,0-60 GOST 3722-81
	14	50-1702148-A	1	Spring
	15	1523K-1701054	1	Gear
	16	1222-1702082	1	Carrier
	17	1222-1701044	1	Gear
	18	80-1701045	1	Nut
	19	80-1701056	1	Washer
	20		1	Bearing 692309KM GOST 8328-75
	21	86-1802088	1	Angle piece
	22		3	Washer 12 OT OST 37.001.115-75
	23		3	Bolt M12-6gx30.88.35.019 GOST 7796-70
	24	50-1601352	1	Dowel pin
	25	2522-1802083	2	O-Ring
	26	1523-1701032	1	Shaft
	27	80-1701053	1	Throttle
	28	1523-1701046	1	Bushing
	29	1222-1701042	1	Gear
	30	1222-1701047	1	Bushing
	31		1	Bearing KK 62x70x31E (664913E) TU RB 00234873.003-99
	32	2022K-1701048	1	Gear
	33	1222-1701049	1	Washer
	34	1222-1701397	3	Pusher
	35	1222-1701398	3	Detent
	36	1222-1701396	3	Spring
	37	1222-1701393	2	Taper collar
	38	1222-1701390	2	Lock ring
	39	1222-1701394	1	Coupling
	40	1222-1701392	1	Cluster gear

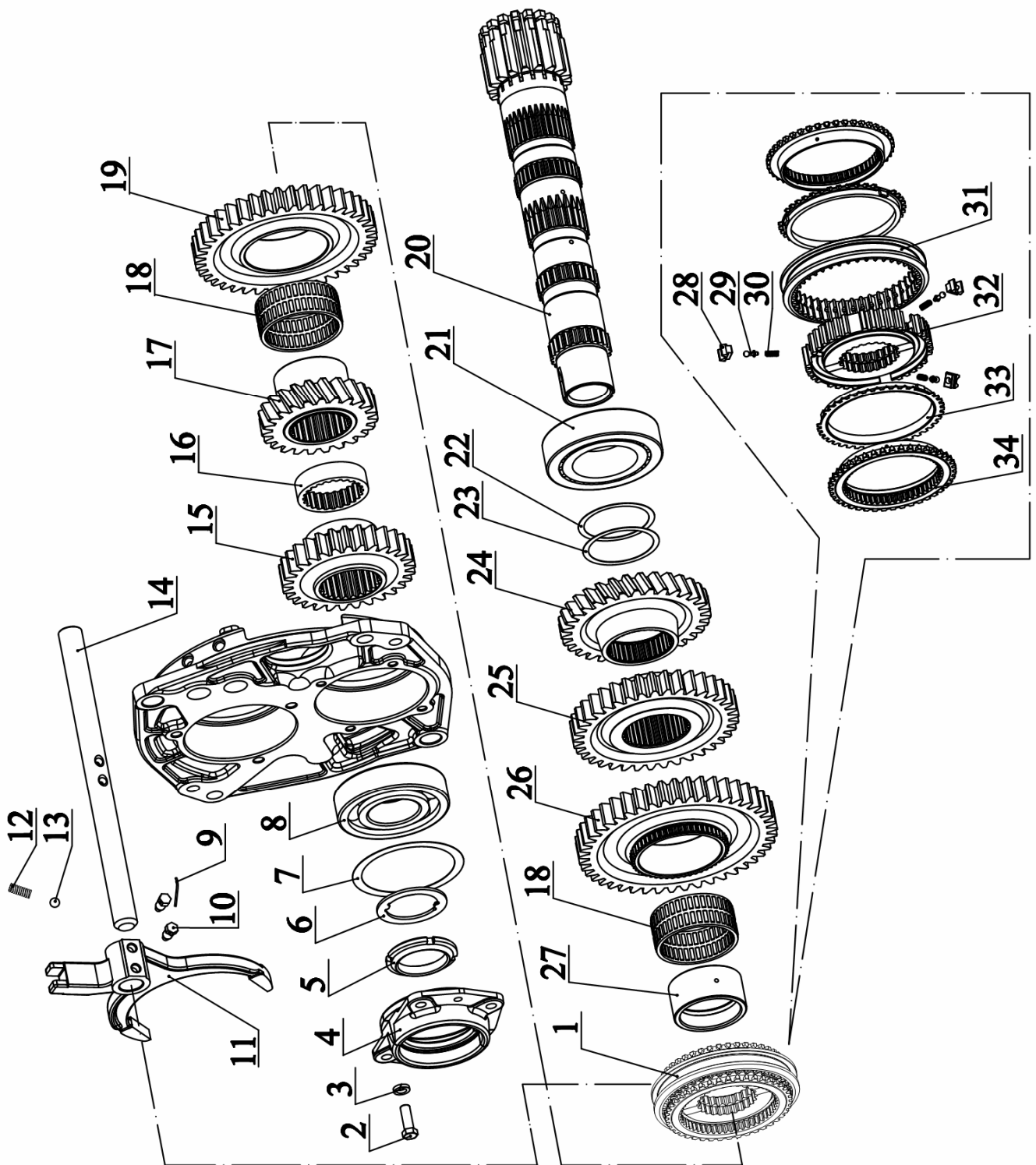


Fig. 17.4 Gear unit. Intermediate shaft

Group 17. Gearbox
Subgroup 1701. Intermediate shaft

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.4		1222-1701020		Gear unit
		1222-1701190-A-02	1	Intermediate shaft
	1		1	Synchronizer GT-C 114; 3.53685.3 or
		1222-1701400		Synchronizer (28-34)
	2		4	Bolt M10-6gx30.88.35.019 GOST 7796-70
	3		4	Washer 10 OT OST 37.001.115-75
	4	2022-1701151	1	Body
	5	80-1701047	1	Nut
	6	80-1701186	1	Washer
	7	1222-1701033	3	Washer
	8		1	Bearing 6-311ASH1 GOST 8338-75 or
				Bearing 311A GOST 8338-75
	9		400 mm	Wire 1,6-O-C GOST 3282-74
	10	220-1702061	2	Bolt
	11	1222-1702089	1	Fork
	12	50-1702148-A	1	Spring
	13		1	Ball10,0-60 GOST 3722-81
	14	1222-1702087	1	Carrier
	15	1222-1701217	1	Gear
	16	1222-1701213	1	Bushing
	17	1523K-1701219-A	1	Gear
	18		2	Bearing 3KK 78x89x38E TU RB 00234873.003-99
	19	1222-1701214-A	1	Gear
	20	2022-1701182-A	1	Shaft
	21		1	Bearing 3514H GOST 5721-75
	22	1222-1701223-01	3	Washer
	23	1222-1701223	4	Washer
	24	2022K-1701218	1	Gear
	25	1222-1701216	1	Gear
	26	1523-1701212-A	1	Gear
	27	1222-1701046-A	1	Bushing
	28	1222-1701397	3	Pusher
	29	1222-1701398	3	Detent
	30	1222-1701396	3	Spring
	31	1222-1701394	1	Coupling
	32	1222-1701392	1	Cluster gear
	33	1222-1701390	2	Lock ring
	34	1222-1701393	2	Taper collar

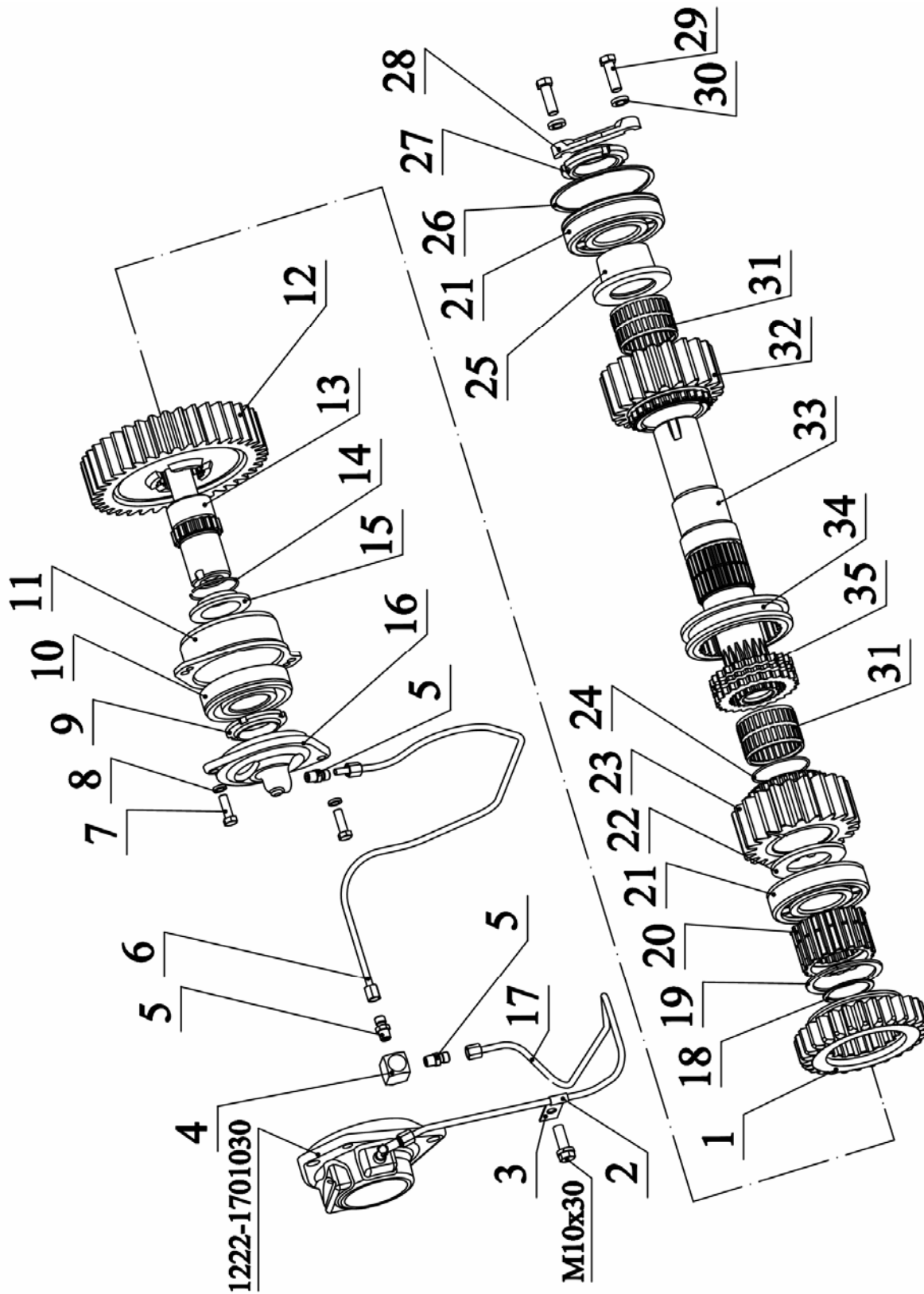


Fig. 17.5 Low gears and reverse shaft

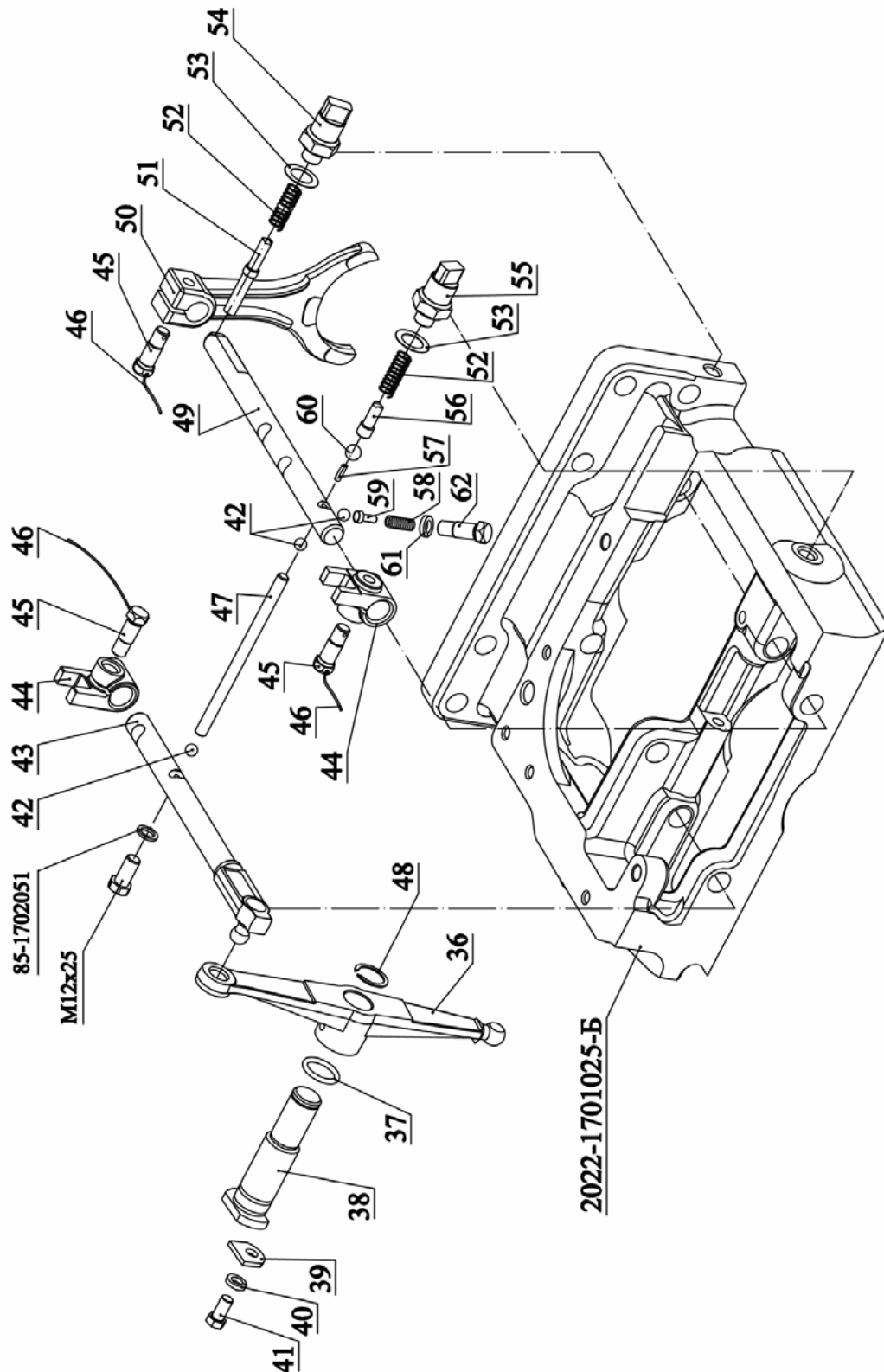


Fig. 17.6 Low gears and reverse shaft

Group 17. Gearbox
Subgroup 1701. Low gears and reverse shaft

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.5 17.6	1	2022-1701344	1	Gear
	2	48A-3801023	1	Pipe
	3	70-1115012	1	Clamp
	4	80-1701057	1	Fitting
	5	80-1701549	3	Fitting
	6	80-1701420	1	Pipe
	7		2	Bolt M8-6gx25.88.35.019 GOST 7796-70
	8		2	Washer 8T OST 37.001.115-75
	9	2022-1701049	1	Nut
	10	VZK 9212.03	1	Bearing SKF NUP 308 EC or Bearing SKF NUP 308 ECP or Bearing SKF NUP 308 EG15
	11	2022-1701317	1	Body
	12	2022-1701340-A	1	Gear
	13	2022-1701325-A	1	Shaft
	14	2022-1701307	1	Clip ring
	15	2022-1701306-A	1	Bushing
	16	2022-1701310	1	Body
	17	80-1701430	1	Pipe
	18		1	Ring S45 GOST 13940-86
	19		1	Ring 2S75 GOST 13940-86
	20	2022-1701346	1	Bushing
	21		2	Bearing 692309KM GOST 8328-75
	22	2022-1701305	1	Washer
	23	2022-1701351	1	Gear
	24	54-31-472	1	Clip ring
	25	2022-1701339-B	1	Bushing
	26	80-1701396	1	Ring
	27	80-1701045	1	Nut
	28	80-1701205	2	Strip
	29		4	Bolt M10-6gx30.88.35.019 GOST 7796-70
	30		4	Washer 10 OT OST 37.001.115-75
	31		2	Bearing KK 52x60x39E (664910E) TU RB 00234873.003-99
	32	2022-1701361	1	Gear
	33	2022-1701330	1	Shaft
	34	2022-1701343	1	Coupling
	35	2022-1701352	1	Bushing
	36	85-1702041	1	Rocker arm
	37		1	Ring 026-030-25-2-2 GOST 18829-73/GOST9833-73
	38	85-1702042	1	Axle
	39	85-1702043	1	Plate
	40		1	Washer 10 OT OST 37.001.115-75
	41		1	Bolt M10-6gx20.88.35.019 GOST 7796-70
	42		3	Ball 10,0-60 GOST 3722-81
	43	85-1702050	1	Carrier
	44	85-1702045	2	Carrier
	45	80-1702108	2	Bolt
	46		800 mm	Wire 1,6-0-S GOST 3282-74

Group 17. Gearbox
Subgroup 1701. Low gears and reverse shaft

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.5 17.6	47	85-1702046	1	Pin
	48		1	Ring S25 GOST 13940-86
	49	2022-1702035	1	Carrier
	50	2022-1702027	1	Fork
	51	2022-1702306	1	Dowel
	52	12-23-668-A	2	Spring
	53	50-1702048	10	Shim washer
	54		1	Switch VK 12-51 TU RB 37334210.004-97
	55		1	Switch VK 12-41 TU RB 37334210.015-97
	56	85-1702305	1	Dowel
	57	85-1702301	1	Axle
	58	50-1702148-A	1	Spring
	59	80-1704039	1	Guide
	60		1	Ball 12,7-60 GOST 3722-81
	61	85-1702051	1	Washer
	62		1	Bolt M12-6gx55.88.35.019 GOST 7795-70

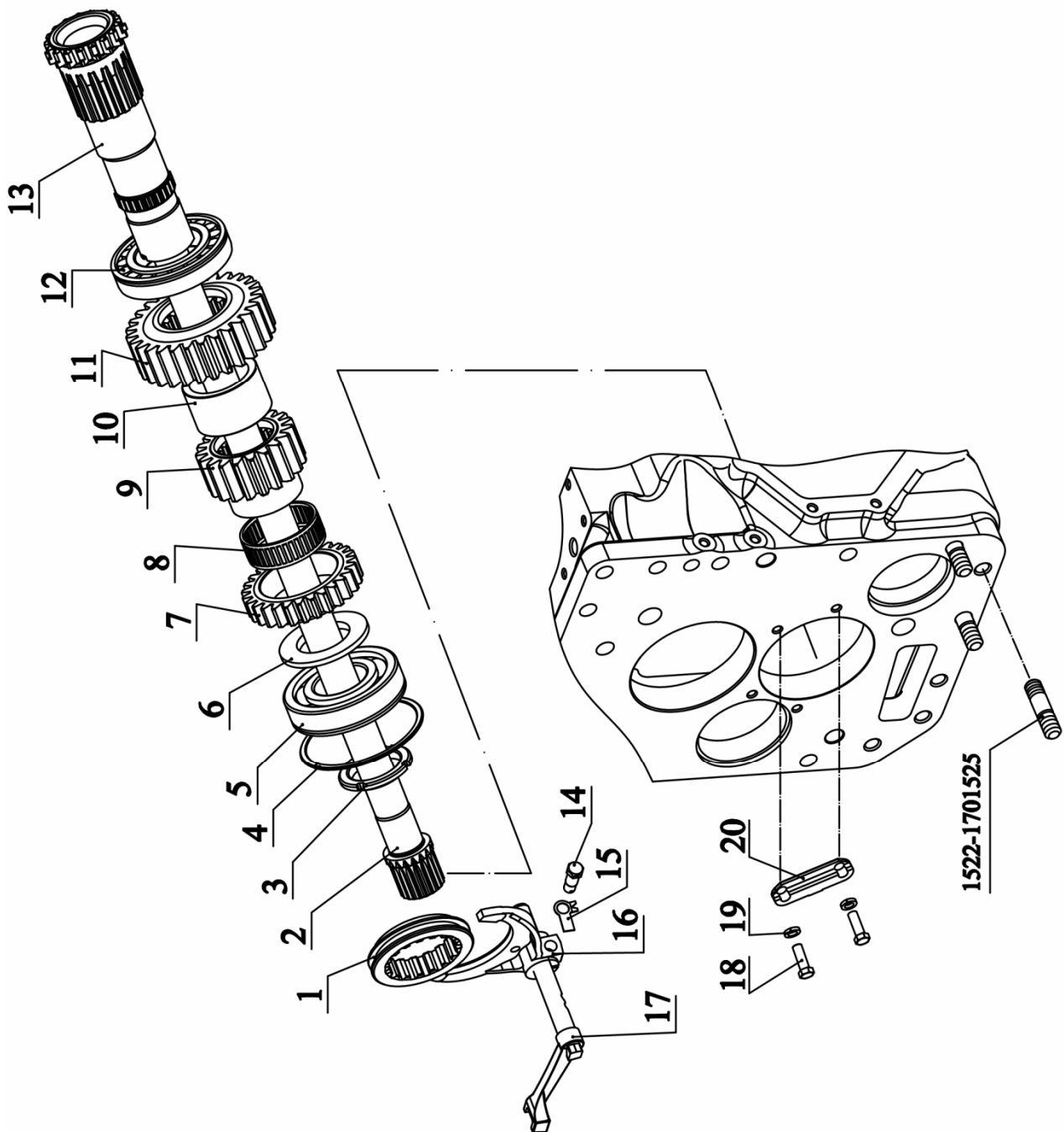


Fig. 17.7 Gear train shaft

Group 17. Gearbox
Subgroup 1701. Gear train shaft

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.7	1	80-1701184	1	Coupling
	2	2022-1701160	1	Shaft
	3	2823-1701049	1	Nut
	4	80-1701206	1	Ring
	5		1	Bearing 50312A GOST8338-75 / GOST 2893-82
	6	2022-1701226	1	Washer
	7	2022-1701202	1	Gear
	8		1	Bearing K80x88x30E GOST 24310-80
	9	2022-1701224	1	Gear
	10	2022-1701227	1	Bushing
	11	2022-1701221	1	Gear
	12		1	Bearing 692215K1M GOST 8328-75
	13	2022-1701240-B	1	Shaft
	14	80-1702108	1	Bolt
	15	80-1702311	1	Washer
	16	85-1702034	1	Fork
	17	2022-1702038	1	Carrier
	18		12	Bolt M10-6gx30.88.35.019 GOST 7796-70
	19		4	Washer 10 OT OST 37.001.115-75
	20	80-1701205	2	Strip

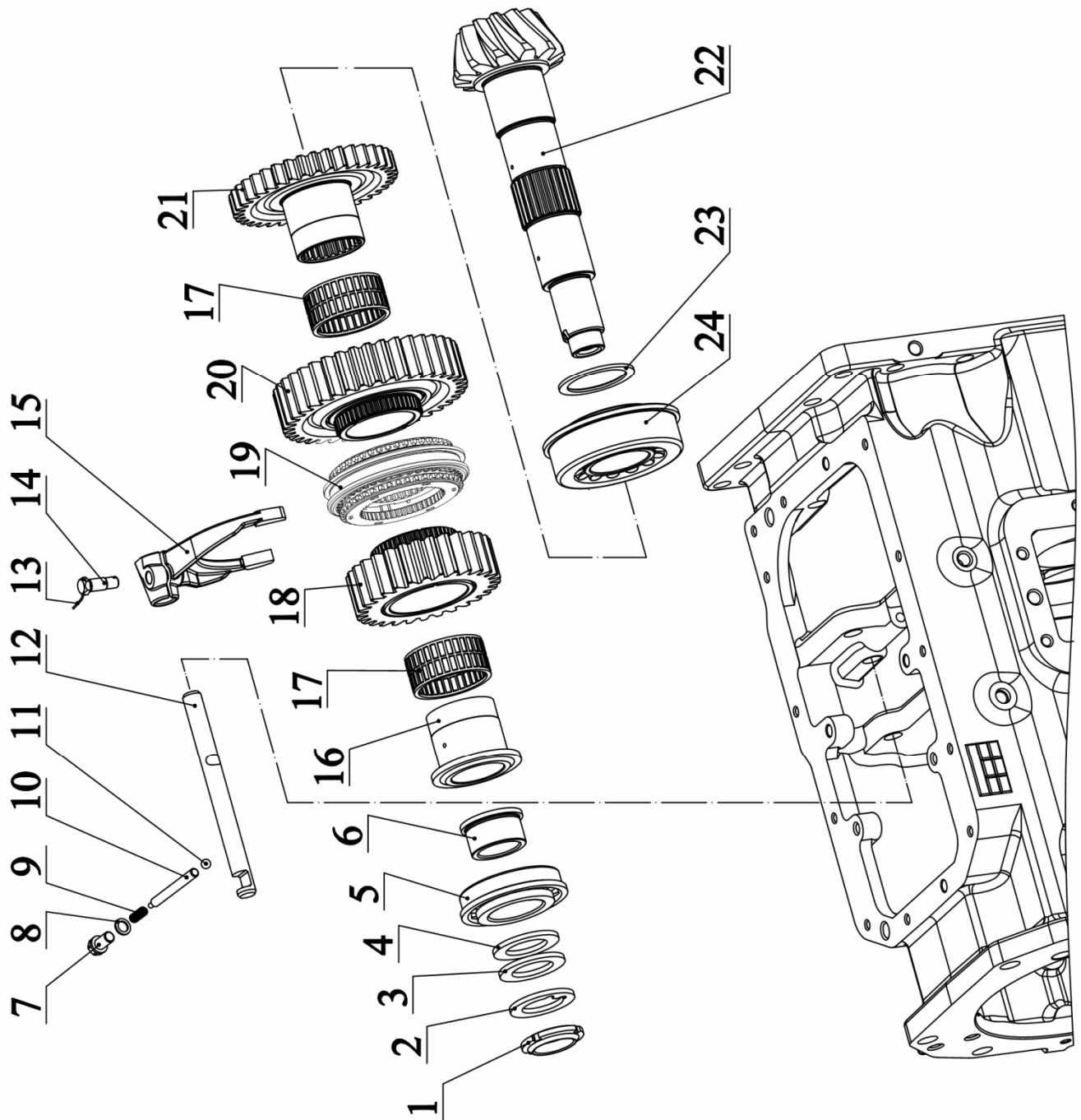


Fig. 17.8 Secondary shaft

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.8		2022-1701050	1	Shaft (22-24)
	1	80-1701045	1	Nut
	2	1522-1701354	1	Nut
	3	1522-1701254	5	Washer
	4	1522-1701254-01	5	Washer
	5		1	Bearing 6-67512ASH2 GOST 27365-87
	6	1522-1701350	1	Bushing
	7		1	Bolt M12-6gx25.88.35.019 GOST 7796-70
	8	85-1702051	1	Washer
	9	50-1702148-A	1	Spring
	10	85-1702048	1	Dowel
	11		1	Ball 10,0-60 GOST 3722-81
	12	2022-1702037-B	1	Carrier
	13		800 mm	Wire 1,6-0-S GOST 3282-74
	14	80-1702108	1	Bolt
	15	1222-1702029	1	Fork
	16	2025-1701349-B	1	Bushing
	17		2	Bearing KK75x86x40E (664915E) TU RB 00234873.003-99
	18	2025-1701314-B	1	Gear
	19		1	Synchronizer GT-D109/116;3.30647.3
	20	2025-1701312-B	1	Gear
	21	2125-1701313-B	1	Gear
	22	2022-1701252-V	1	Shaft
	23	2022-1701253	1	Washer
		2022-1701253-01	1	Washer
		2022-1701253-02	1	Washer
		2022-1701253-03	1	Washer
		2022-1701253-04	1	Washer
		2022-1701253-05	1	Washer
		2022-1701253-06	1	Washer
	24		1	Bearing 6-627613A1K GOST 27365-87

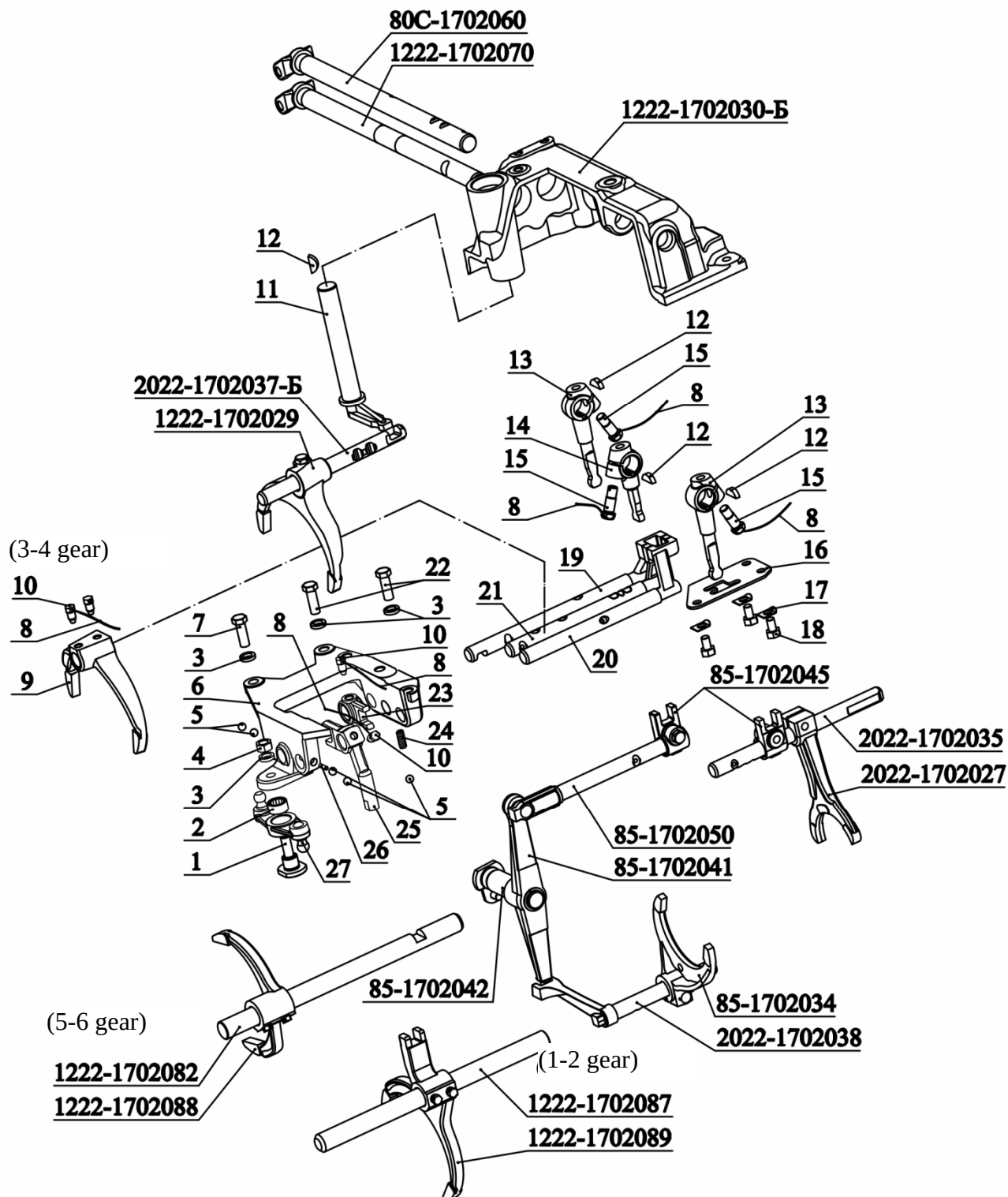


Fig. 17.9 Gearbox control mechanism

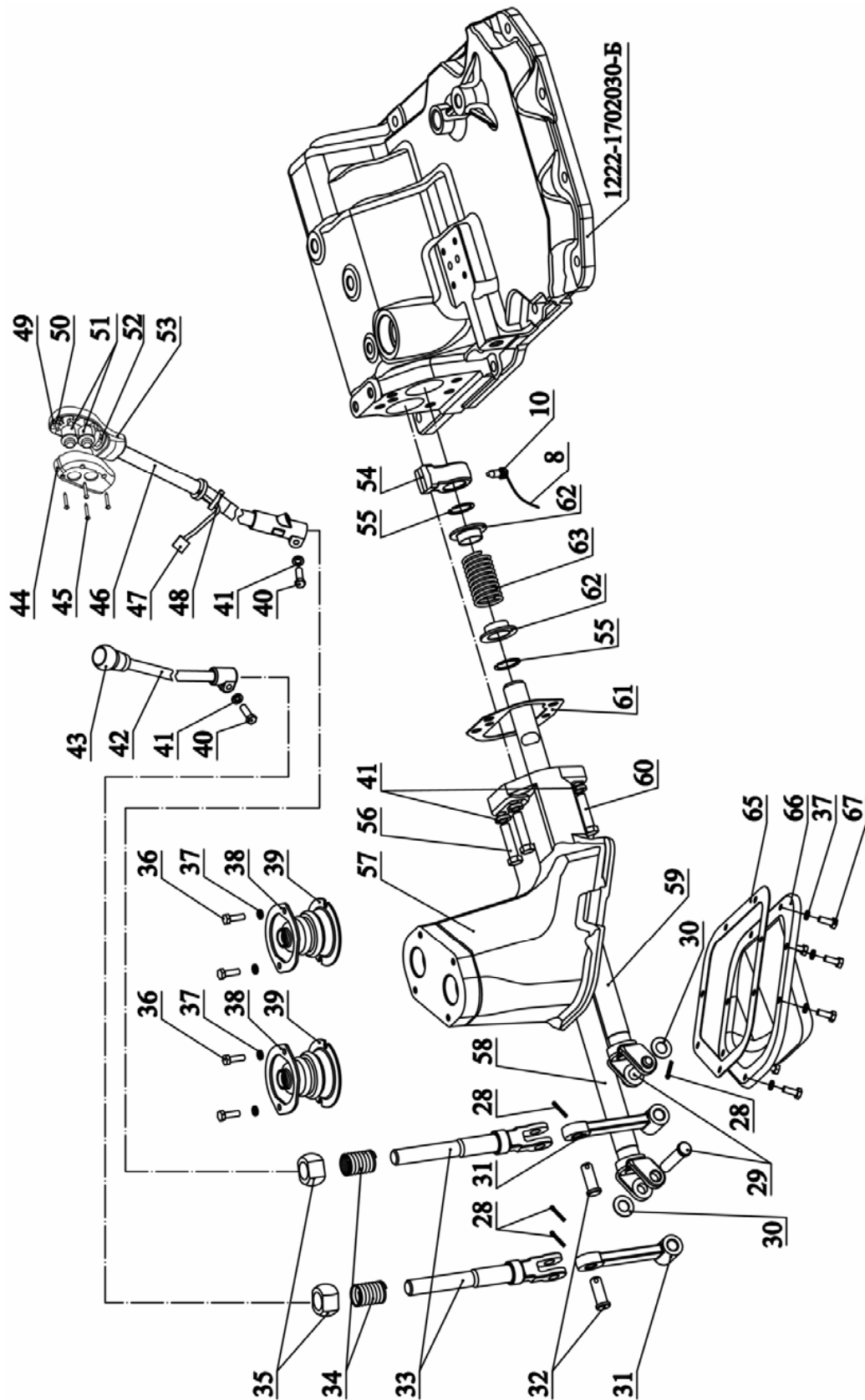


Fig. 17.10 Gearbox control mechanism

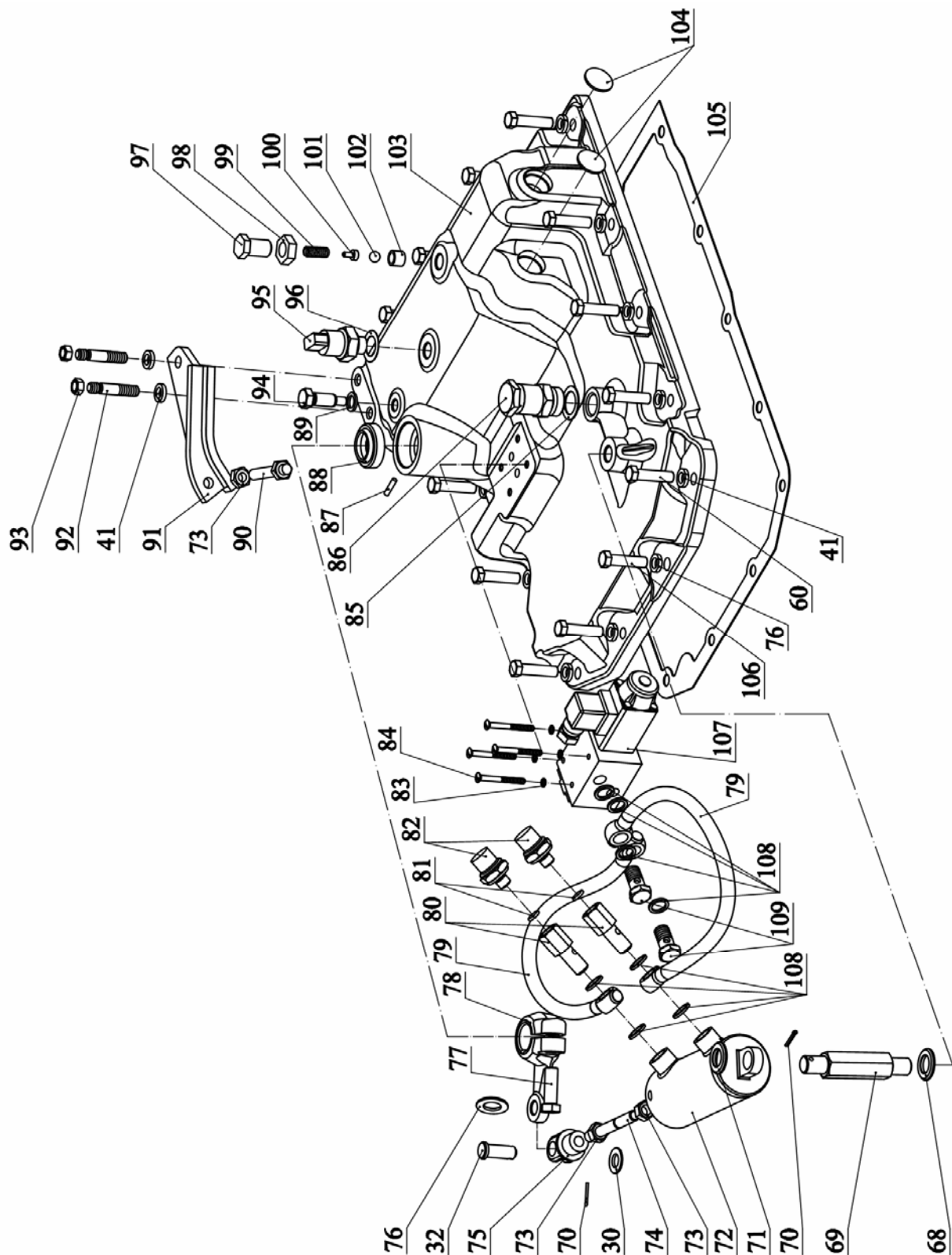


Fig. 17.11 Gearbox control mechanism

Group 17. Gearbox
Subgroup 1702. Gearbox control mechanism

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.9 17.10 17.11		1222-1702010-A-01		Control mechanism
		1222-1702080	1	Shift forks housing (8 - 600 mm, 18-1 pcs., 53-1 pcs., 70-83)
	1	1222-1702112	1	Axle
	2		1	Bearing 941/20 GOST 4060-78
	3		8	Washer 12 OT OST 37.001.115-75
	4		1	Nut M12-6H.6.019 GOST 5915-70
	5		5	Ball 9,922-100 GOST 3722-81
	6	1222-1702081	1	Housing
	7		2	Bolt M12-6gx30.88.35.019 GOST 7796-70
	8		800mm	Wire 1,6-O-C GOST 3282-74
	9	1222-1702091	1	Fork
	10	220-1702061	5	Bolt
	11	1222-1702093	1	Lever
	12		4	Key 6x10 GOST 24071-97
	13	85-1702055	2	Lever
	14	1222-1702055	1	Lever
	15	80-1702108	3	Bolt
	16	1222-1702052	1	Gate
	17	80-3401013	3	Washer
	18		3	Bolt M10-6gx20.88.35.019 GOST 7796-70
	19	1222-1702083	1	Carrier
	20	1222-1702084	1	Carrier
	21	1222-1702086	1	Carrier
	22	50-1702092	2	Bolt
	23	1222-1702107	1	Limiter
	24	50-1702148-A	1	Spring
	25	1222-1702109	1	Carrier
	26	85-1702301	1	Axle
	27	1222-1702105	1	Rocker arm
	28		5	Split pin 3,2x18.019 GOST 397-79
	29		2	Pin 12x55 OST 37.001.163-97
	30	85-4619014	3	Washer
	31	80S-1702073	2	Lever
	32		3	Pin 12x32 OST 37.001.163-97
	33	80S-1702074	2	Fork
	34	77.37.117	2	Spring
	35	142-1702032	2	Sphere
	36		4	Bolt M6-6gx20.88.35.019 GOST 7798-70
	37		11	Washer 6T OST 37.001.115-75
	38	80S-1702075	2	Washer
	39	55-47-569-A	2	Boot
	40		2	Bolt M10-6gx30.88.35.019 GOST 7798-70
	41		20	Washer 10 OT OST 37.001.115-75
	42	2022-1702500-A	1	Lever
	43	A15.05.020	1	Handle
	44	75-1702502	1	Cover
	45		4	Screw 4x30 GOST 10621-80
	46	1222-1702610-A1	1	Lever
	47	1221-3724925-A	1	Bundled cable
	48	80-3723045	2	Collar

Group 17. Gearbox
Subgroup 1702. Gearbox control mechanism

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.9 17.10 17.11	49		1	Light-emitting diode AL 307 HM aA0.336.076 TU (yellow)
	50		1	Light-emitting diode AL 307 KM aA0.336.076 TU (red)
	51		2	Switch VK 12-1 TSIKS.642241.001 TU
	52		1	Nut M12x1,25-6H.6.019 GOST 5915-70
	53	75-1702505	1	Handle
	54	1222-1702074	1	Bushing
	55		2	Ring S25 GOST 13940-86
	56		2	Bolt M10-6gx40.88.35.019 GOST 7798-70
	57	80-1702078-A	1	Housing
	58	80S-1702060	1	Shaft
	59	1222-1702070	1	Shaft
	60		14	Bolt M10-6gx35.88.35.019 GOST 7798-70
	61	80C-1702066	1	Gasket
	62	1222-1702064	2	Bushing
	63	80-4608057	1	Spring
	65	80-1702068	1	Gasket
	66	80-1702067	1	Cover
	67		7	Bolt M6-6gx16.88.35.019 GOST 7798-70
	68		1	Washer 18 OT OST 37.001.115-75
	69	1222-1702096-B	1	Axle
	70		1	Split pin 3,2x25.019 GOST 397-79
	71		1	Washer S.16.01.019 GOST 11371-79
	72	2102-4216110-B	1	Cylinder
	73		3	Nut M10-6H.04.019 GOST 5916-70
	74	2022-1702094	1	Stud
	75	822-3502203	1	Fork
	76		8	Washer 12 OT OST 37.001.115-75
	77		1	Bolt M12-6gx35.88.35.019 GOST 7796-70
	78	1222-1702092	1	Lever
	79	1222-1702130	2	Oil pipeline
	80	1222-1702114	2	Fitting
	81		2	Ring 009-012-19-1-4 GOST 18829-73/GOST 9833-73
	82		2	Sensor DSDM-M TU RB 07513211.004-94
	83		4	Washer 5 T OST 37.001.115-75
	84		4	Screw V.M5-6gx50.58.019 GOST 17473-80
	85	B50-3522023	1	Gasket
	86	85-1702270	1	Breather
	87		2	Dowel 8x16 GOST 3128-70
	88		1	Collar 2.2-25x42-1 GOST 8752-79/OST 3805146-78
	89	85-1702051	1	Washer
	90	2022-1702093	1	Bolt
	91	2022-1702090-B	1	Bracket
	92	2022-1702142	2	Stud
	93		2	Nut M10-6H.6.019 GOST 5915-70
	94	1222-1702048	1	Screw
	95		1	Switch BK 12-41 TU RB 37334210.015-97
	96	50-1702048	10	Shim washer

Group 17. Gearbox
Subgroup 1702. Gearbox control mechanism

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.9 17.10 17.11	97	70-1703204	1	Bolt
	98		1	Nut M16-6H.04.019 GOST 5916-70
	99	50-1702148-A	1	Spring
	100	80-1704039	1	Guide
	101		1	Ball 10,0-60 GOST 3722-81
	102	70-1703013	1	Bushing
	103	1222-1702030-B	1	Cover
	104		2	Blind plug 28-10кP.TS9.chr GOST 3111-81
	105	85-1702026	1	Gasket
	106	50-1702092	2	Bolt
	107	VZK 4216.01	1	Hydraulic distributor 1RGE-6T/3.574E.G12.O1 TU RB 400051624.093-2004 or
				Hydraulic distributor HDZ3-EVS.34.XPZ-012C AMP
	108	D18-055-A	8	O-Ring
	109	D18-051	2	Bolt

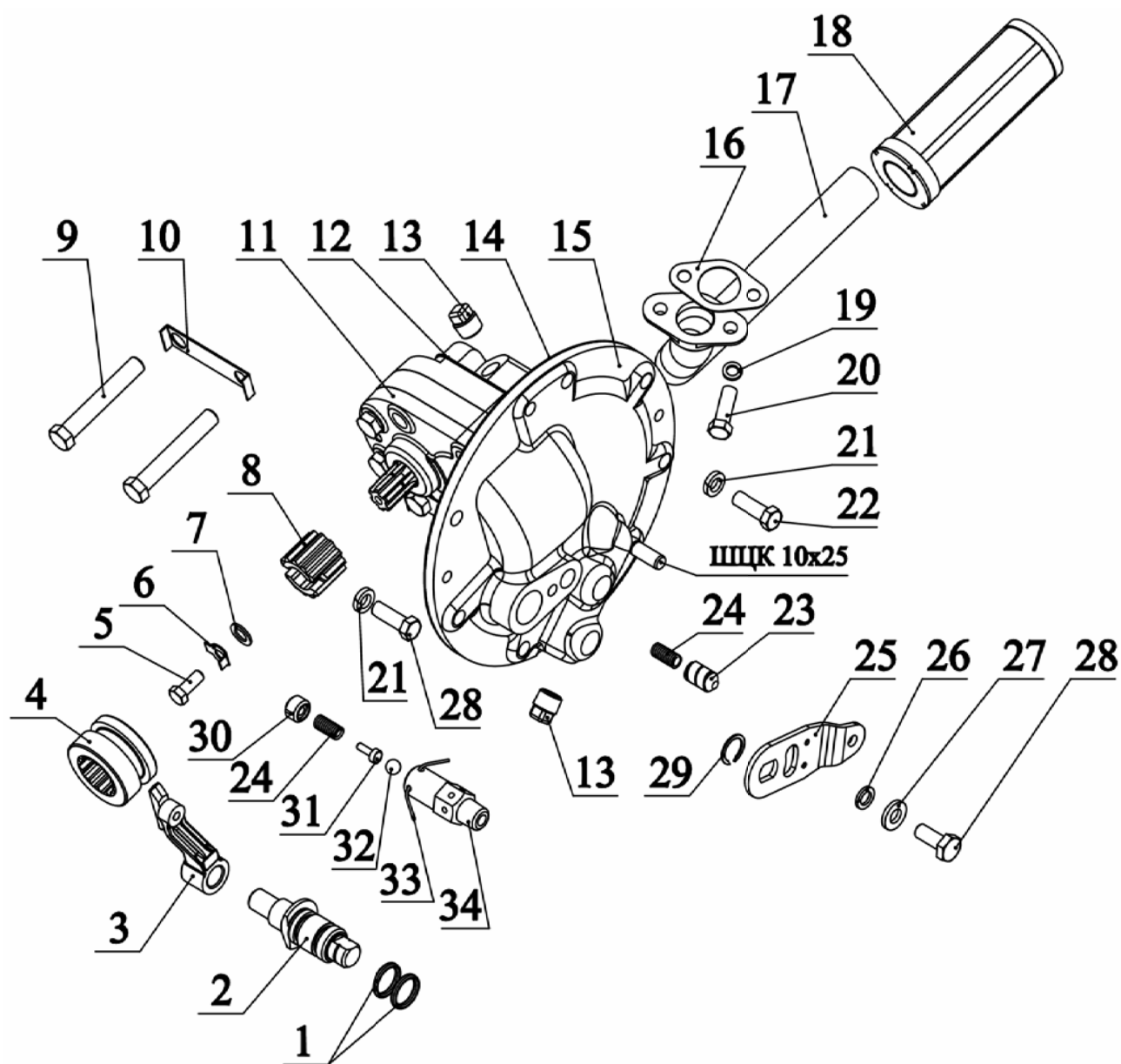


Fig. 17.12 Pump drive

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.12		1222-1704010		Pump drive
		80-1704040	1	Valve (24, 30-34)
	1		2	Ring 020-025-30-1-4 GOST 18829-73/GOST 9833-73
	2	80-1704020-B	1	Shaft
	3	80-1704021	1	Sliding block
	4	80S-1704096-B	1	Coupling
	5		1	Bolt M8-6gx20.88.35.019 GOST 7796-70
	6	80-1704034	1	Washer
	7	85-1601108	1	Washer
	8	80-1704014-B	1	Bushing
	9		4	Bolt M12-6gx75.88.35.019 GOST 7795-70
	10	80-1704092	2	Plate
	11		1	Gear pump HMSH 25ZH TU RB 400049955.005-2004
	12	80-1704093	1	Pump gasket
	13	PK KG 3/8"	2	Plug
	14	80-1704016	1	Gasket
	15	1222-1704015	1	Housing
	16	80-1704033	1	Gasket
	17	80-1704030	1	Oil pipeline
	18	80-1704050	1	Filter
	19		2	Washer 8T OST 37.001.115-75
	20		2	Bolt M10-6gx30.88.35.019 GOST 7796-70
	21		7	Washer 10 OT OST 37.001.115-75
	22		6	Bolt M10-6gx30.88.35.019 GOST 7796-70
	23	80-1704037	1	Detent
	24	50-1702148-A	2	Spring
	25	80-1704018	1	Plate
	26		1	Washer 10L OST 37.001.115-75
	27		1	Washer S.10.01.019 GOST 11371-78
	28		2	Bolt M10-6gx25.88.35.019 GOST 7796-70
	29		1	Ring S18 GOST 13940-86
	30	80-1704038	1	Plug
	31	80-1704039	1	Guide
	32		1	Ball 10,0-60 GOST 3722-81
	33		100 mm	Wire 1,0-0-S GOST 3282-74
	34	80-1704041	1	Housing

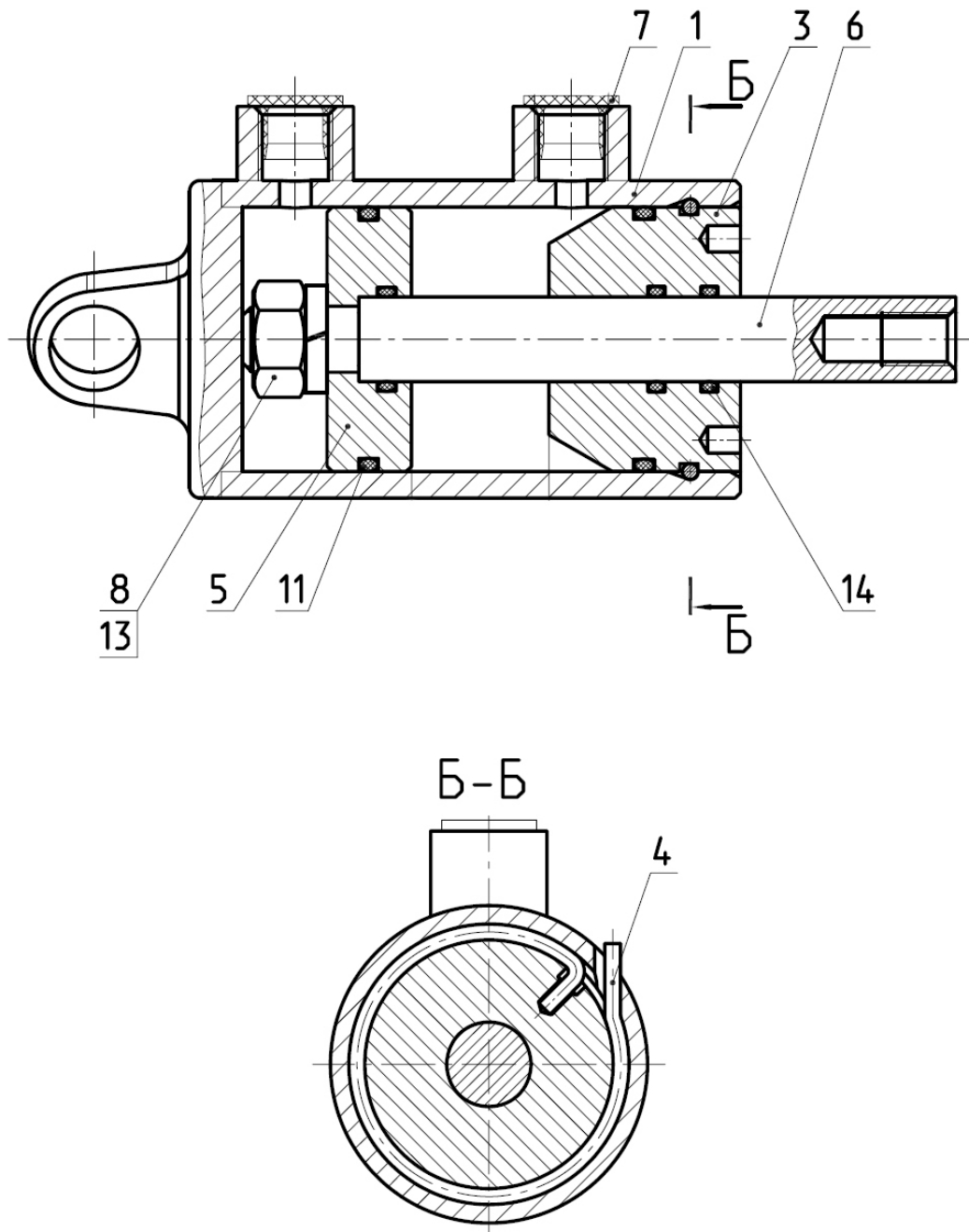


Fig. 17.13 Cylinder

**Group 17. Gearbox
Subgroup 1702. Cylinder**

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.13		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	Process-oriented temporary plug
	8		1	Nut M12-6H.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 15,54x2,62 DBS/AS MS29513 or 016-020-25-1-4 GOST 18829-73/ GOST 9833-73

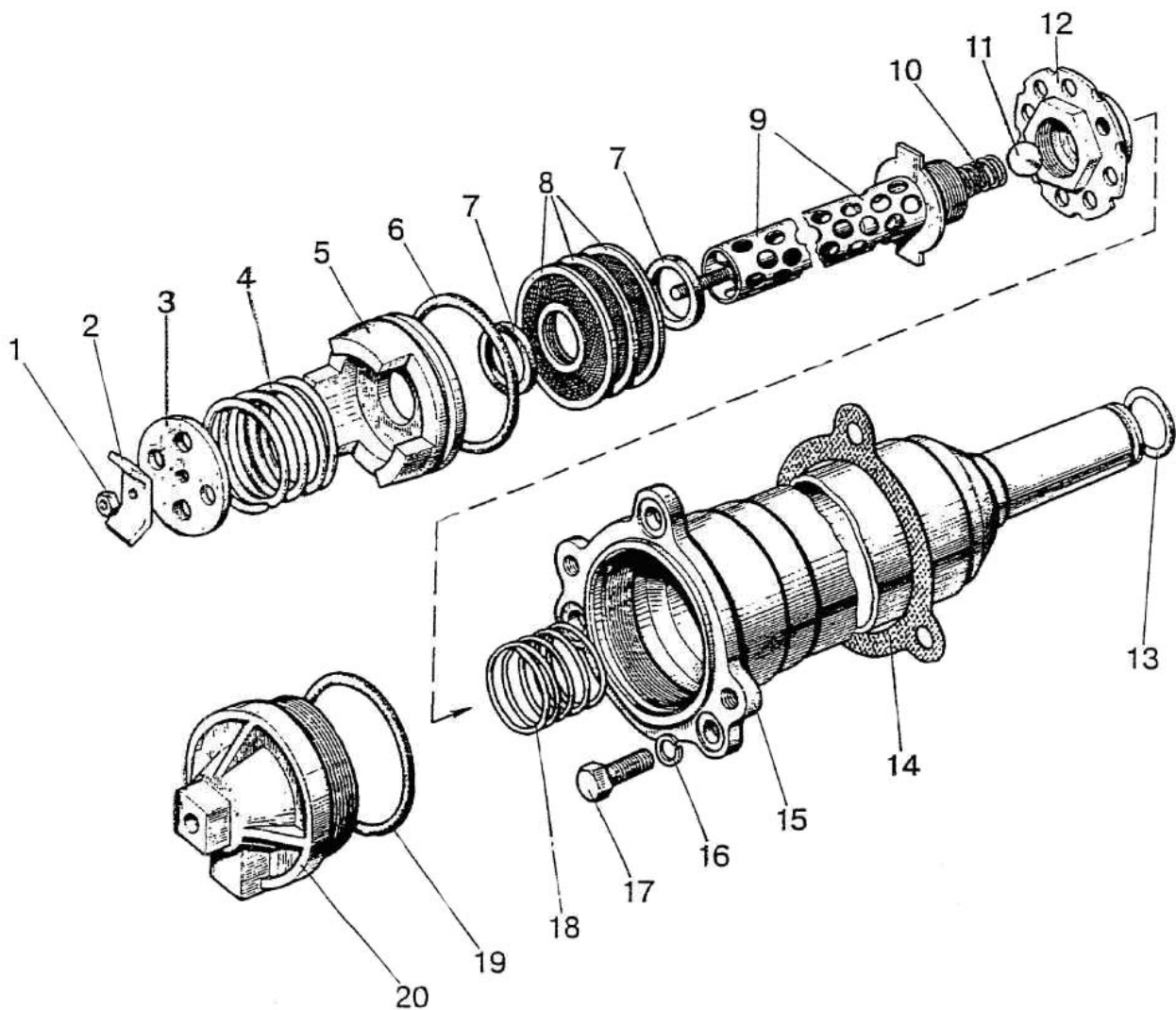


Fig. 17.14 Filter

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.14		80-1716010	1	Filter (1-20)
		80-1716040	1	Pipe (9-12)
		80-1716030	1	Filter (1-5, 7,8)
	1		1	Nut M5-6H.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	Filtering 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 10OT OST 37.001.115-75
	17		3	Bolt M10-6gx25.88.35.019 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

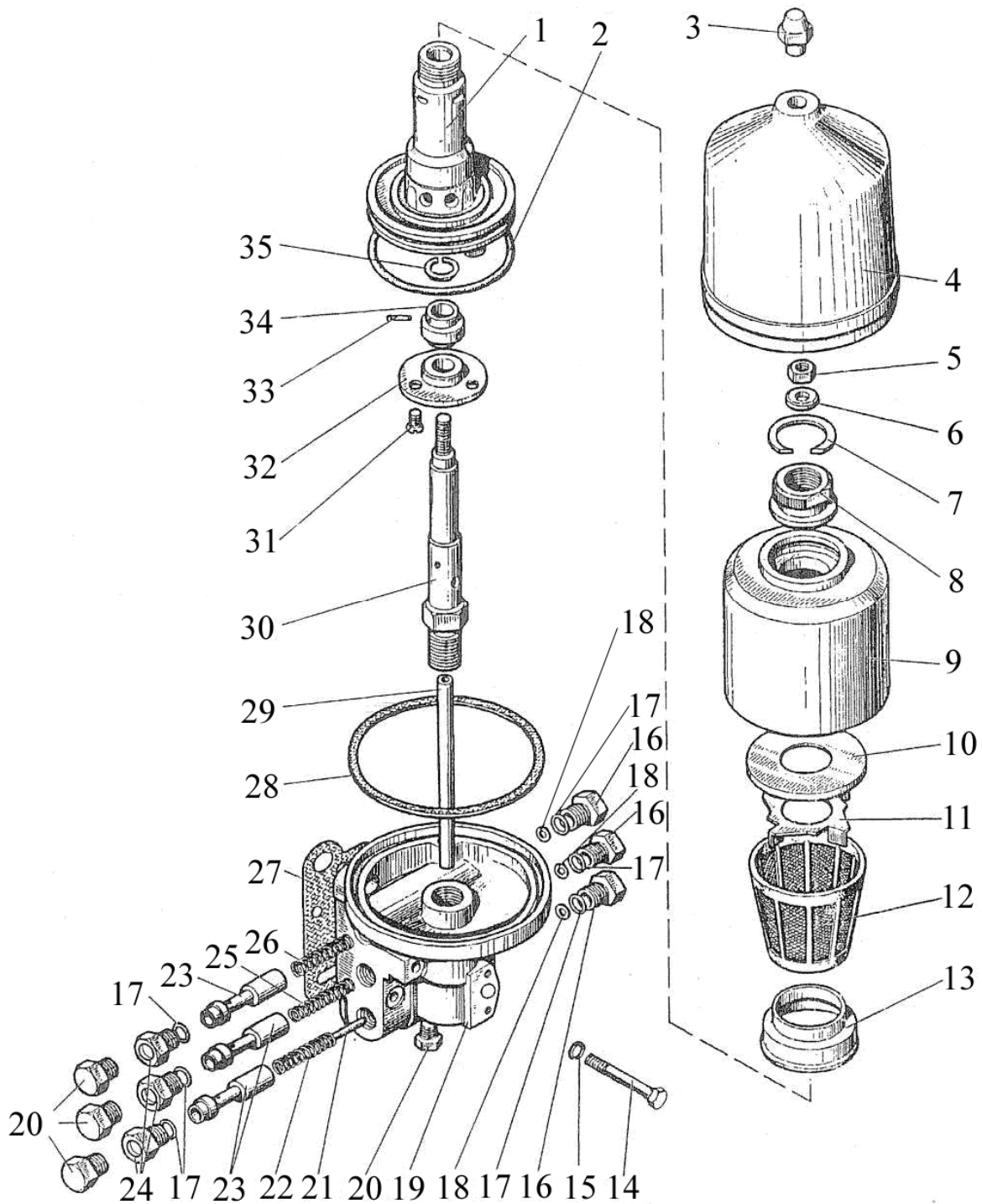


Fig. 17.15 Distributor-filter

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
17.15		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 M12x1,25-6H.6.019 GOST 5915-70
	6	D37A-1407607-V	1	Thrust washer
	7	240-1404033	1	Thrust ring
	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	M10x70	4	Bolt M10x65.88.35.019 GOST 7796-70
	15		4	Washer 100T OST 37.001.115-75
	16	50-1404075	3	Plug of relief valve
	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 6x45 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 gasket
	29	240-1404013-B	1	Pipe
	30	240-1404012-V	1	Rotor shaft
	31		3	Screw V.M6-6gx14.58.019 GOST 17475-80
	32	240-1404019-B	1	Rotor housing cover
	33	240-1404028	1	Dowel or
				Roller 5x8 II GOST 22696-77 or
				Roller 5x8 III GOST 22696-77
	34	80-1028090	1	Mouthpiece
	35	240-1404118	1	Ring

* on demand

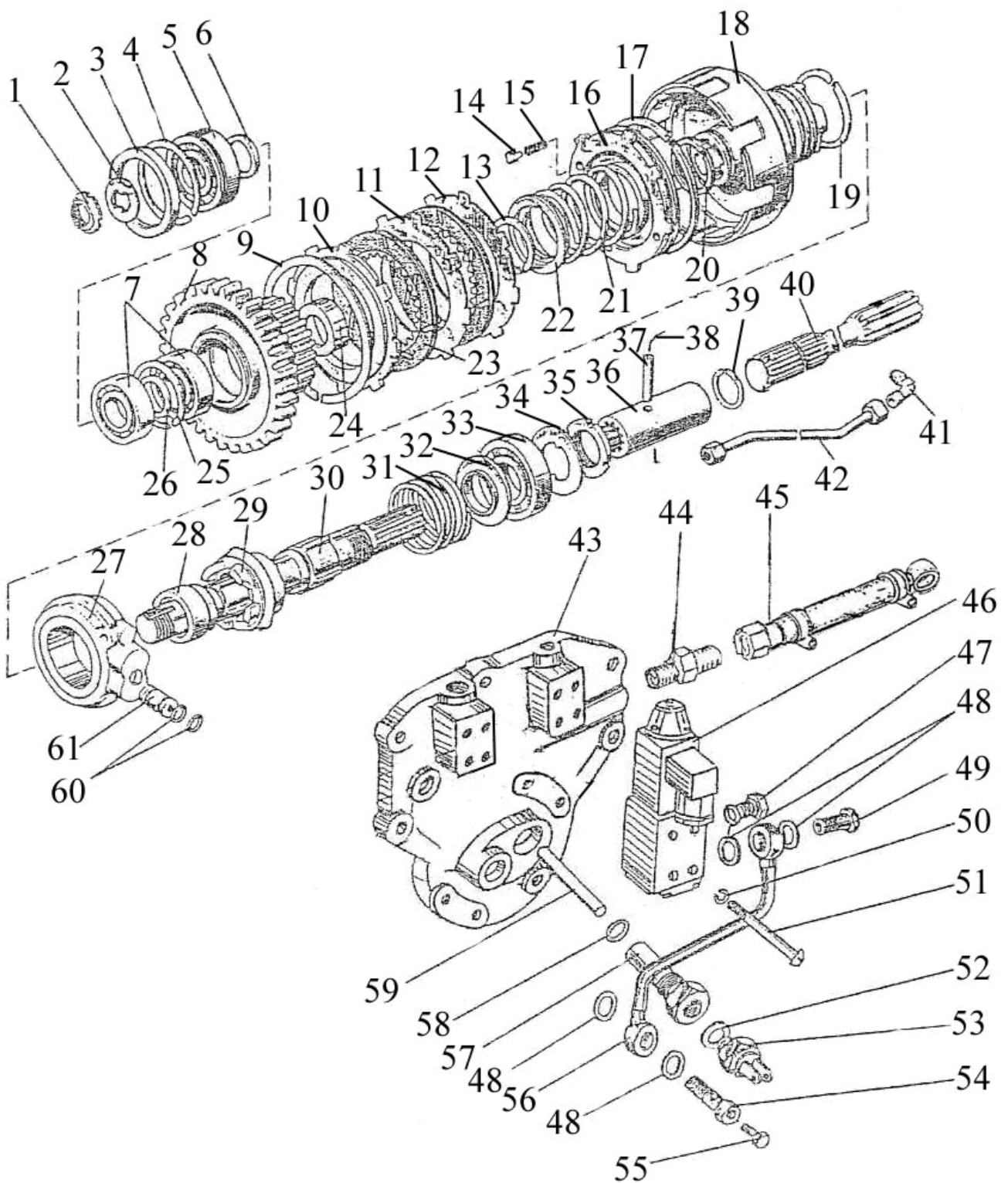


Fig. 18.1 Front driving axle drive

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
18.1		2022-1802030	1	Friction clutch coupling (2022-1802040, 9-24, 27)
		2022-1802040	1	Gear (7,8,25,26)
		2022-1802065	1	Shaft (30, 32-38)
	1	1221-1802023	1	Nut
	2	1221-1802019	1	Washer
	3	2022-1802024	1	Ring
	4	S90	1	Ring
	5	50406	1	Bearing
	6	86-1802043	1	Washer
	7	206A	2	Bearing
	8	2022-1802041	1	Gear
	9	S135	1	Ring GOST 13941
	10	86-1802034	1	Thrust disc
	11	86-1802032*	3-4	Driven disc S=1,8 mm
	12	1221-1802032*	3-4	Driven disc S=2 mm
	13	S48	1	Ring
	14	86-1802039	2	Guide
	15	86-1802048	2	Spring
	16	1221-1802031	1	Piston
	17	86-1802047	1	Ring
	18	1221-1802036	1	Drum
	19	86-1802083-A	2	Ring
	20	1221-1802333	1	Ring
	21	86-1802038	1	Spring
	22	86-1802046	1	Стакан
	23	86-1802035-A	7	Driving disc
	24	2022-1802044	1	Bushing
	25	S62	1	Ring
	26	86-1802049	1	Ring
	27	1221-1802025	1	Cage
	28	86-1802028	1	Bushing
	29	8020-1802026	1	Half coupling
	30	2022-1802013	1	Shaft
	31	86-1802027	1	Spring
	32	86-1802051	1	Washer
	33	207	1	Bearing
	34	86-1802052	1	Washer
	35	52-2308097	1	Nut
	36	86-1802014-B	1	Bushing
	37	A.8x40.65G	1	Dowel
	38	1,6-O-S	1	Wire L=180 mm
	39	86-1802017-B	1	Ring
	40	1221-1802042	1	Shaft
	41	86-1802088	1	Angle piece

* Selection

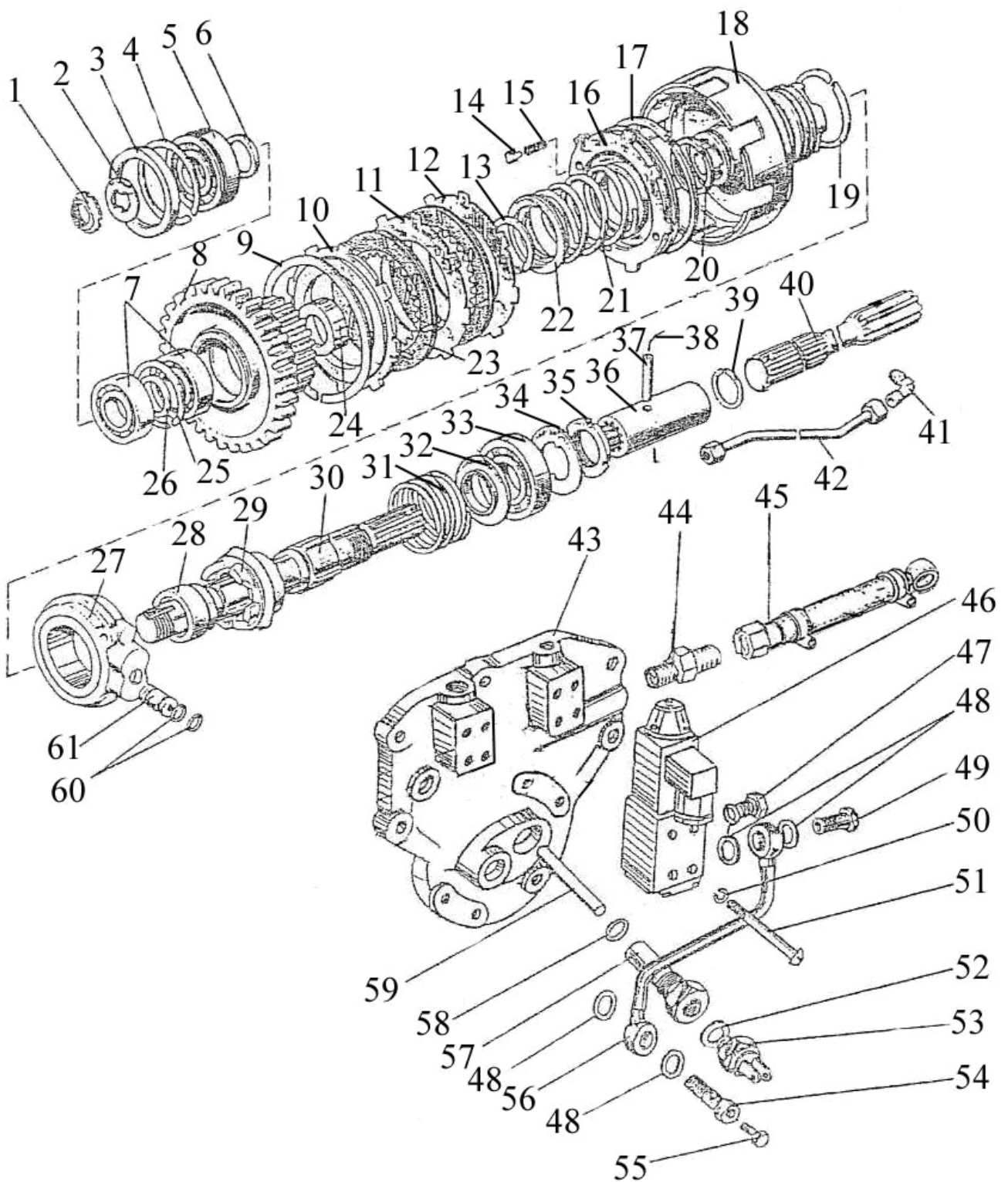


Fig. 18.1 Front driving axle drive

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
18.1	42	86-1802055	1	Pipeline
	43	1221-1802016	1	Cover
	44	2022-2401515	1	Fitting
	45	2022-2401530-A	1	Oil pipeline
	46	RH6101-012/00 GA-AMP or 1RGE-GT/3.574E.G12.01	1	Hydraulic distributor
			1	Hydraulic distributor
	47	1221-1802091	2	Screw plug
	48	D18-055-A	6	O-Ring
	49	D18-051	1	Bolt
	50	SHP 5	8	Washer
	51	M5x50	8	Screw
	52	50-1702048	*	Gasket
	53	VK12-51	1	Switch
	54	1520-1802088	1	Bolt
	55	KG1/8"	1	Plug
	56	1221-1802050	1	Pipeline
	57	8020-1802018	1	Guide
	58	019-022-19-2-2	1	Ring
	59	8020-1802029	1	Pusher
	60	011-016-30-2-4	2	Ring
	61	1221-1802054	1	Bushing

* Selection

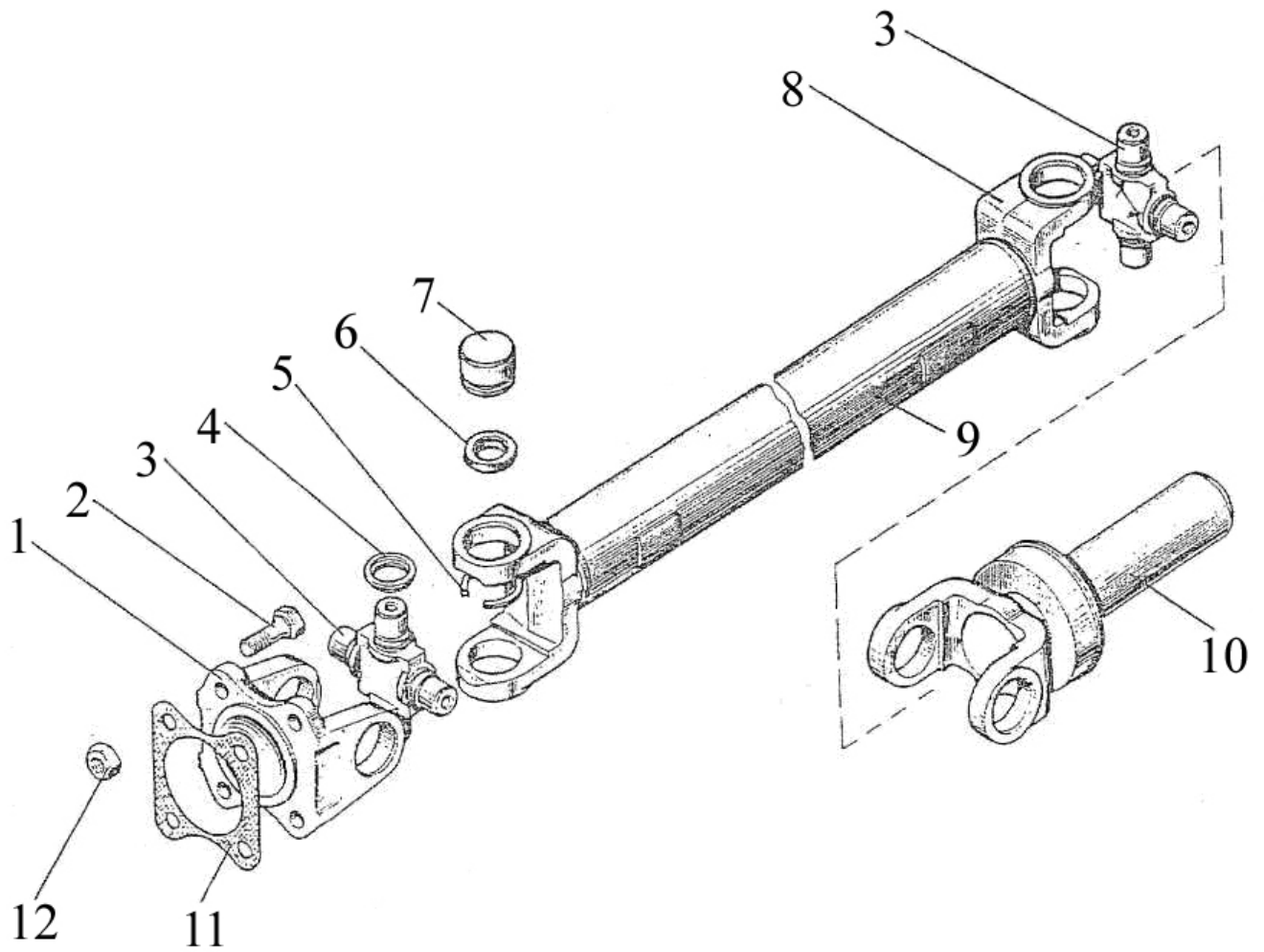


Fig. 22.1 Cardan drive

**Group 22. Cardan drive.
Subgroup 2203. Cardan drive**

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
22.1		112-2203010	1	Cardan shaft
		72-2203025PH	1	Universal joint cross with bearings (3,4,6,7)
	1	72-2203023	1	Flange
	2	52-2203012-01	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	704702KZS10	8	Bearing
	8	72-2203022	2	Yoke
	9	112-2203018	1	Pipe
	10	86-2203047	1	Slip yoke
	11	20-2201024	1	Gasket
	12	M10x1-8 DIN 985	4	Hexagon nut

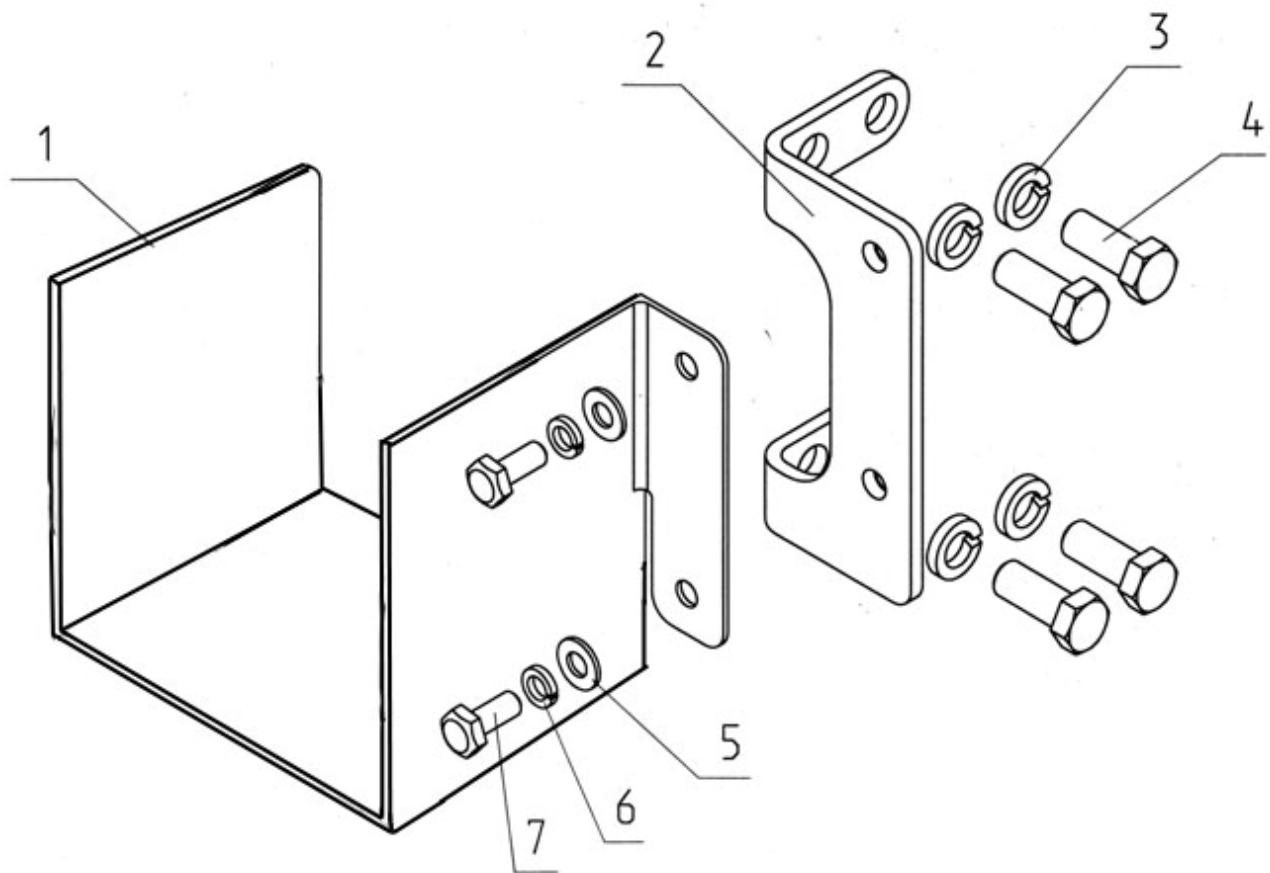


Fig. 22.2 Guard

**Group 22. Cardan drive.
Subgroup 2203. Guard**

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
22.2		2022-2210005	1	Guard
	1	2022-2210012	1	Casing
	2	2022-2210015	1	Bracket
	3		4	Washer 12 OT OST 37.001.115-75
	4		4	Bolt M12-6gx25.88.35.019 GOST 7796-70
	5		2	Washer S 8.01.019 GOST 6958-78
	6		2	Washer 8T OST 37.001.115-75
	7		2	Bolt M8-6gx20.88.35.019 GOST 7796-70

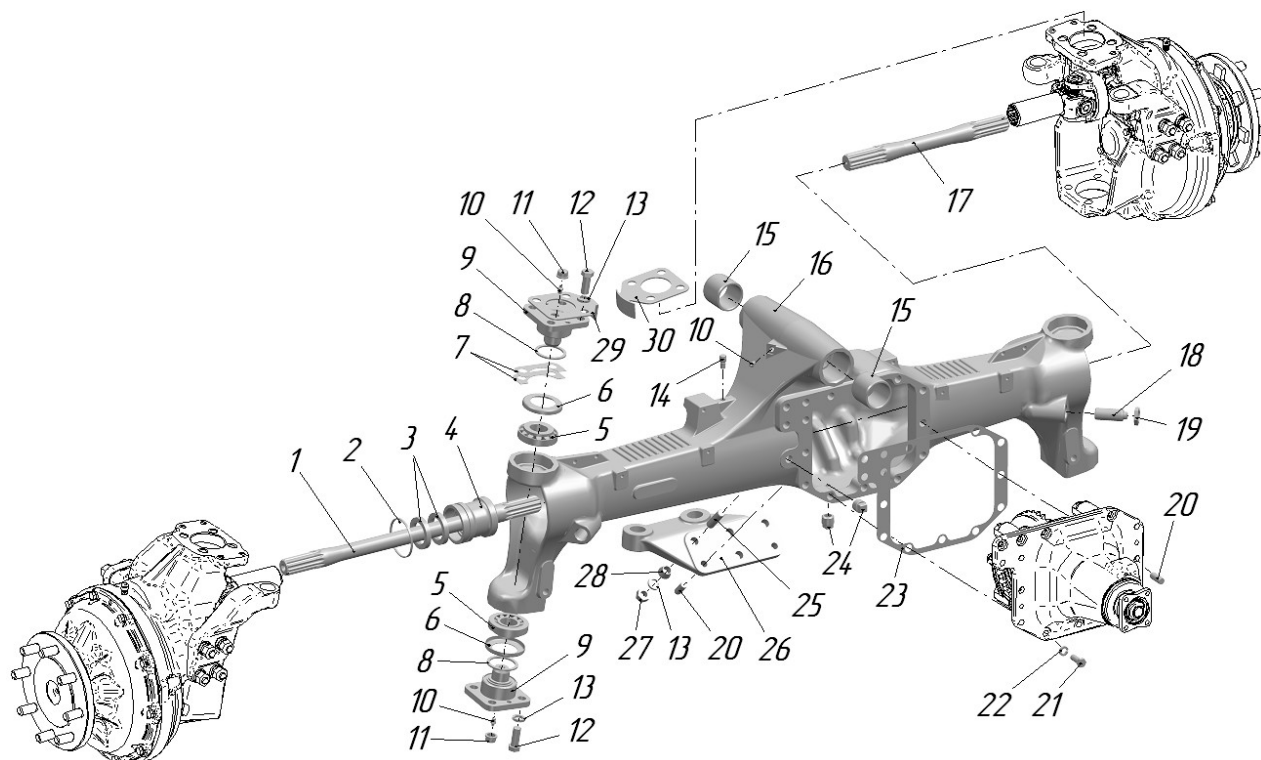


Fig. 23.1 Front driving axle.

Group 23. Front driving axle
Subgroup 2300, 2301, 2308. Front driving axle.

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
23.1		1524-2300020	1	Front AXLE
		*1524-2300020-01	1	Front AXLE
		1525-2301010-01	1	Axle housing (15,16)
		1525-2301110	1	Cage (4-8)
	1	1525-2301002	1	Left semi-axle
	2		2	Ring 075-080-30-1-4 GOST 18829-73/GOST 9833-73
	3		4	Collar 2.2-45x65-1 GOST 8752-79/OST 3805146-78
	4	1525-2301130	2	Cage
	5	1027307A	4	Bearing
	6	1520-2308039	4	Cage
	7	1520-2308042 1520-2308042-01	8 20	Shim washer Shim washer
	8		4	Ring 055-063-46-1-4 GOST 18829-73/GOST 9833-73
	9	1520-2308037	4	Axle
	10		5	Oiler 1.3.TS9.chr GOST 19853-74
	11	85-4607447	4	Cap
	12		16	Bolt M16-6gx40.88.35.019 GOST 7796-70
	13		20	Washer 16 OT OST 37.001.115-75
	14	Mintor TSSOG1.8'	1	Breather
	15	40-3001022	2	Bushing
	16	1525-2301001-01	1	Housing
	17	1525-2301002-01	1	Right semi-axle
	18	1520-2308009	2	Screw
	19	85-3407113	2	Nut
	20	D01-015	4	Dowel
	21		12	Bolt M12-6gx30.88.35.019 GOST 7796-70
	22		12	Washer 12 OT OST 37.001.115-75
	23	1525-2301004	1	Gasket
	24	PK KG3/4"	2	Plug
	25	1520-2308079	4	Stud
	26	1524-2301023	1	Cylinders bracket
	27		4	Nut M16-6H.6.019 GOST 5915-70
	28	1520-2308077	4	Bushing
	29	2022-8700030	1	Bracket
	30	2022-8700030-01	1	Bracket

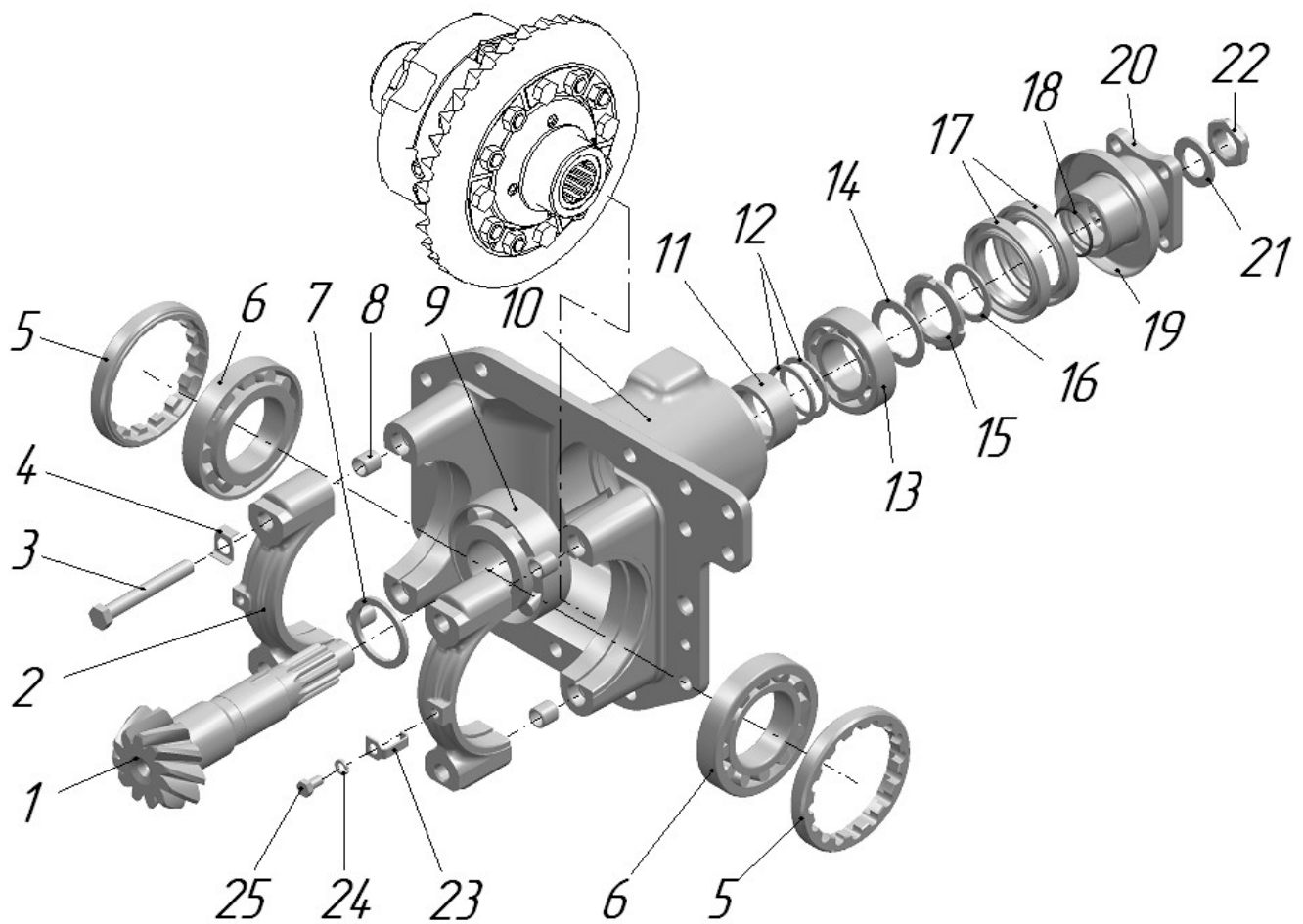


Fig. 23.2 Front driving axle. Central gear unit.

Group 23. Front driving axle
Subgroup 2302. Front driving axle. Central gear unit.

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
23.2		1524-2302010	1	Central gear unit
		1525-2302020	1	Housing (2,3,8,10)
		1525-2302070-B	1	Flange (19,20)
	1	1525-2302015	1	Gear
	2	1525-2302022	2	Bearing housing
	3		4	Bolt M12-6gx90.88.35.019 GOST 7795-70
	4	1525-2302024	4	Plate
	5	1525-2302018	2	Nut
	6	263212A	2	Bearing
	7	1525-2302012	1	Washer
	8	1525-2302023	4	Bushing
	9	7609A	1	Bearing
	10	1524-2302021	1	Housing
	11	1525-2302017	1	Distance sleeve
	12	1525-23020106	2	Washer
	13	7508A	1	Bearing
	14	1525-23020104	1	Washer
	15	1525-2302011	1	Nut
	16	1525-2302014	1	Washer
	17		2	Collar 2.2-55x82-1 GOST 8752-79/OST 3805146-78
	18		1	Ring 035-040-30-1-4 GOST 18829-73/GOST 9833-73
	19	1525-2302071-B	1	Mud collector
	20	1525-2302078-B	1	Flange
	21	1525-2302019	1	Washer
	22	52-1802128	1	Nut
	23	1525-2302016	2	Stop member
	24		2	Washer 8T OST 37.001.115-75
	25		2	Bolt M8-6gx14.88.35.019 GOST 7796-70

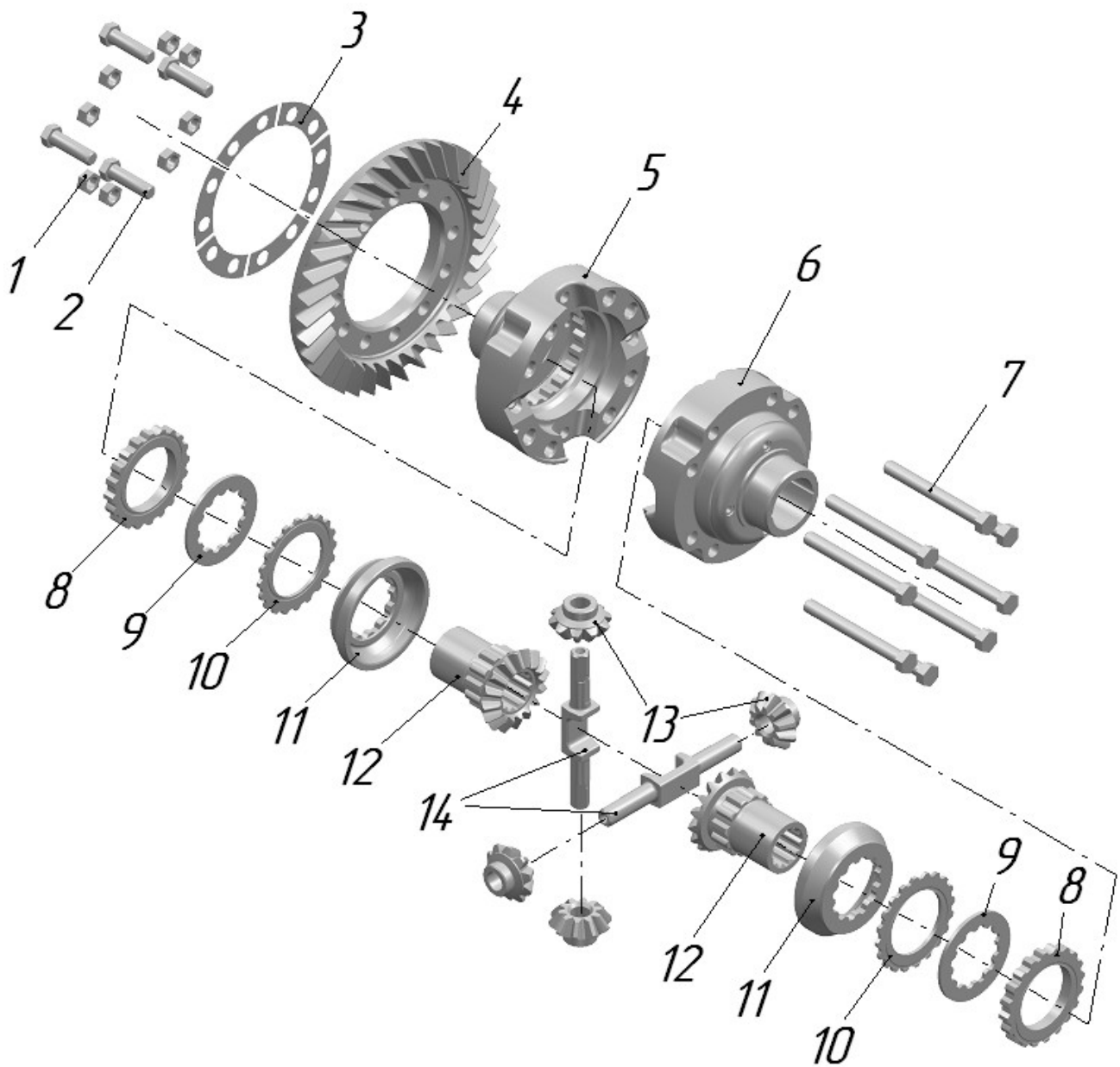


Fig. 23.3 Front driving axle. Differential.

Group 23. Front driving axle
Subgroup 2303. Differential.

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
23.3		1525-2303010	1	Differential
	1	1525-2303027	8	Nut
	2	50-1702092	4	Bolt
	3	1525-2303032	6	Plate
	4	1525-2303016	1	Gear
	5	1525-2303015	1	Case
	6	1525-2303014	1	Case
	7	1525-2303026	8	Bolt
	8	52-2303023-A1	2	Disc
	9	52-2303024-01	2	Disc
	10	52-2303023-A1-01	2	Disc
	11	52-2303021	2	Cage
	12	1525-2303017	2	Gear
	13	52-2303018	4	Planet gear
	14	52-2303019	2	Axle

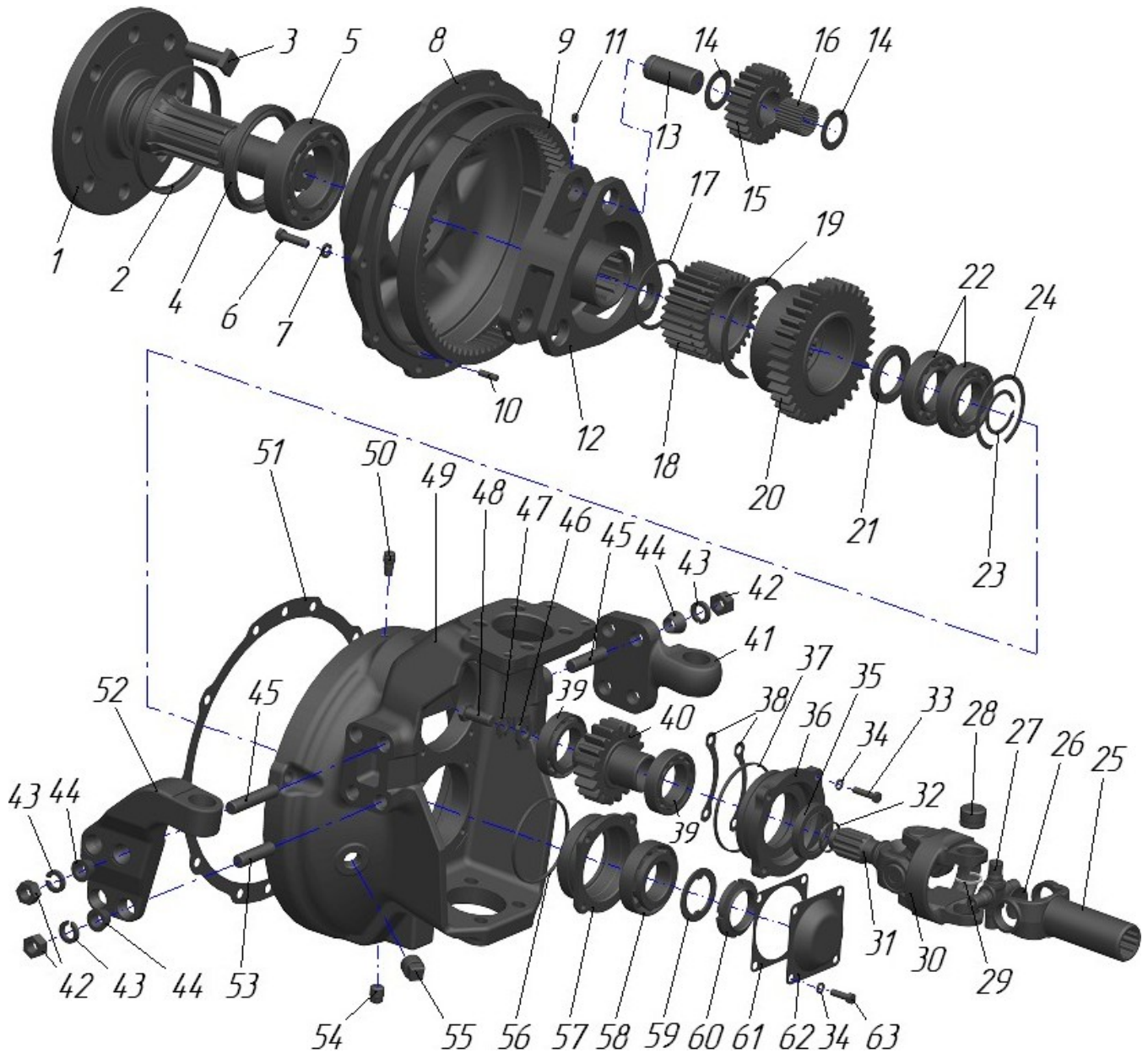


Fig. 23.4 Gear unit of front-axle final drive (1524-2308005)

Group 23. Front driving axle
Subgroup 2308. Gear unit of front-axle final drive

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
23.4		1524-2308005	1	Left gear unit (for FDA 1524-2300020)
		1524-2308010	1	Right gear unit (for FDA 1524-2300020)
		* 1524-2308005-01	1	Left gear unit (for FDA 1524-2300020-01)
		*1524-2308010-01	1	Right gear unit (for FDA 1524-2300020-01)
		1525-2308024	2	Twin joint (25-31)
		1525-2308040-02	2	Housing (25-40, 46-50)
		*1520-2308040-06	2	Housing (25-40, 46-50)
		1520-2308080	2	Cage (35-37)
		1525-2308047	2	Yoke (25-26)
		1521-2308070	2	Flange (1-3)
		1521-2308020	2	Cover (8-10)
		1521-2308030	2	Carrier (11-16)
		1525-2308050-02	2	Hub (1-5, 8-24)
		*1521-2308050-05	2	Hub (1-5, 8-16, 20-24)
	1	1521-2308017	2	Flange
	2	1521-2308029	2	Mud collector
	3	40-3103016	16	Bolt
	4		2	Collar 2.2-100x125-1 GOST 8752-79/OST 3805146-78
	5	7514A	2	Bearing
	6		20	Bolt M10-6gx35.88.35.019 GOST 7796-70
	7		20	Washer 10 OT OST 37.001.115-75
	8	1521-2308016	2	Cover
	9	1520-2308064	2	Gear
	10		6	Dowel 2.8x25 GOST 3128-70
	11	1520-2308011	6	Screw
	12	1521-2308056	2	Carrier
	13	1520-2308053	6	Axle
	14	1520-2308054	12	Washer
	15	1520-2308059	6	Planet gear
	16		156	Roller 4x34,8 A3 GOST 6870-81
	17	1525-2308068	2	Ring
	18	1525-2308066	2	Gear
	19		4	Ring S105 GOST 13940-86
	20	1525-2308062-02	2	Gear Z=35
		*1520-2308062-05	2	Gear train Z=40
	21	1525-2308038	2	Ring
		*1520-2308038	2	Ring
	22	42209	4	Bearing
		*53609	2	Bearing
	23		2	Ring S45 GOST 13940-86
	24		2	Ring 2S85 GOST 13941-86
			2	*Ring S100 GOST 13941-86
	25	1525-2308048	2	Yoke
	26	1525-2203052	2	Blind plug

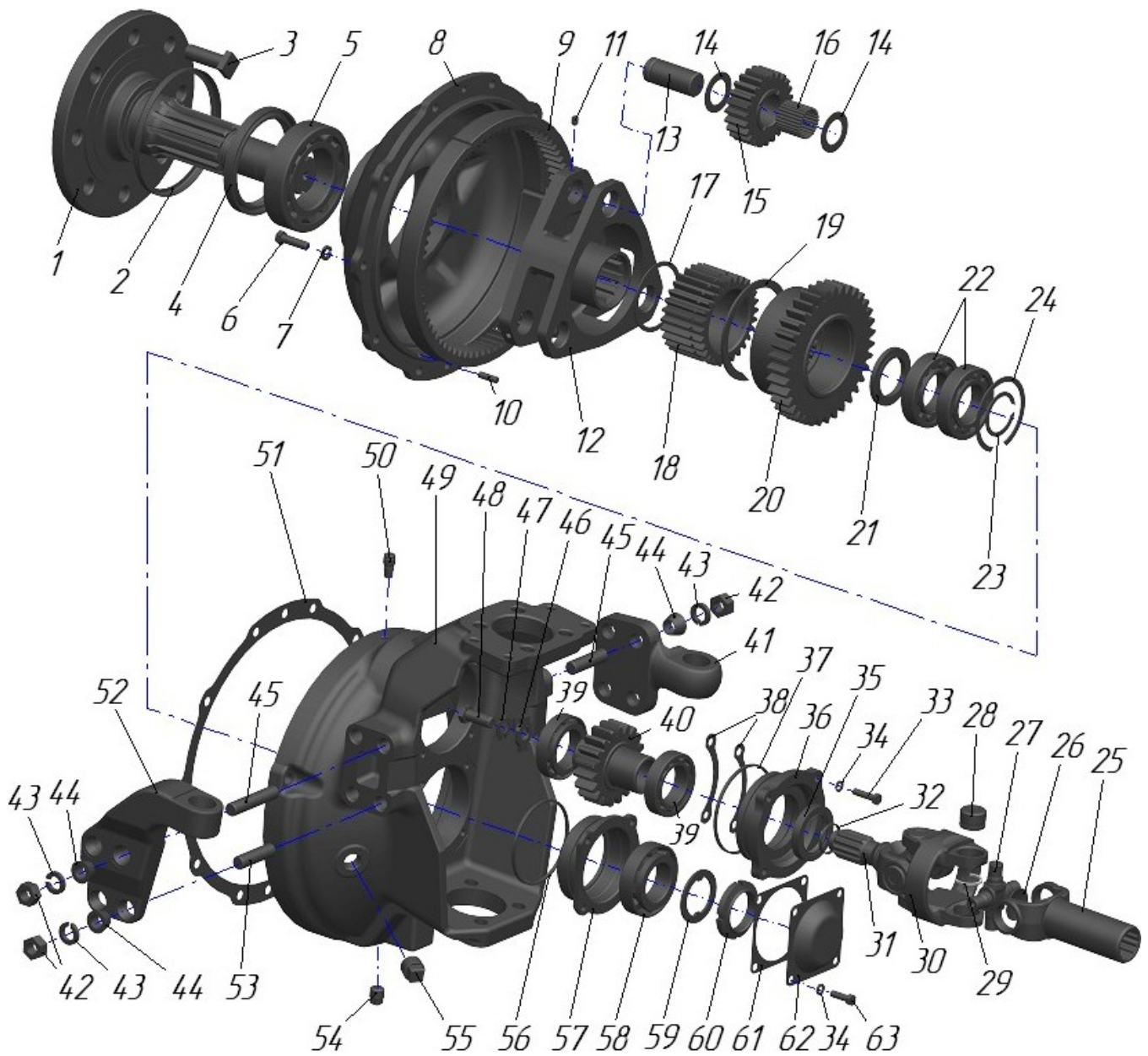


Fig. 23.4 Gear unit of front-axle final drive (1524-2308005)

Group 23. Front driving axle
Subgroup 2308. Gear unit of front-axle final drive

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
23.4	27	72-2203026	4	Cross
	28	704702KZS10	16	Bearing
	29	24-2201043-01	16	Locking ring
	30	1520-2308066-01	2	Yoke
	31	1520-2308063-10	2	Yoke
	32		2	Ring 032-036-25-2-4 GOST 18829-73/GOST 9833-73
	33		8	Bolt M8-6gx30.88.35.019 GOST 7796-70
	34		16	Washer 8T OST 37.001.115-75
	35		2	Collar 2.2-45x65-1 GOST 8752-79/OST 3805146-78
	36	1520-2308035	2	Cage
	37		2	Ring 100-105-30-2-4 GOST 18829-73/GOST 9833-73
	38	1520-2308021	20	Shim washer
		1520-2308021-01	8	Shim washer
	39	2007109	4	Bearing
	40	1525-2308061-02	2	Gear Z=19
		*1520-2308061-05	2	Gear Z=14
	41	1525-2308076	1	Right bracket
		1525-2308077	1	Left bracket
	42		16	Nut M16-6H.6.019 GOST 5915-70
	43		16	Washer 16 OT OST 37.001.115-75
	44	1520-2308077	16	Bushing
	45	1520-2308079-02	12	Stud
	46	1521-2308013	2	Washer
	47	1521-2308031	2	Plate
	48	1521-2308012	2	Bolt
	49	1520-2308015	2	Housing
	50	Mintor TSSOG1,8'	2	Breather
	51	1520-2308034	2	Gasket
	52	1524-2308074	1	Right lever
		1524-230874-01	1	Left lever
	53	1520-2308079	4	Stud
	54	2KG 3/8"	2	Plug
	55	2KG 3/4"	2	Plug
	56		2	Ring 095-100-30-1-4 GOST 18829-73/GOST 9833-73
	57	1520-2308002	2	Cage
	58	7509A	2	Bearing
	59	80-1701056	2	Washer
	60	80-1701045	2	Nut
	61	1520-2308003	2	Gasket
	62	1520-2308004	2	Cover
	63		8	Bolt M8-6gx16.88.35.019 GOST 7796-70

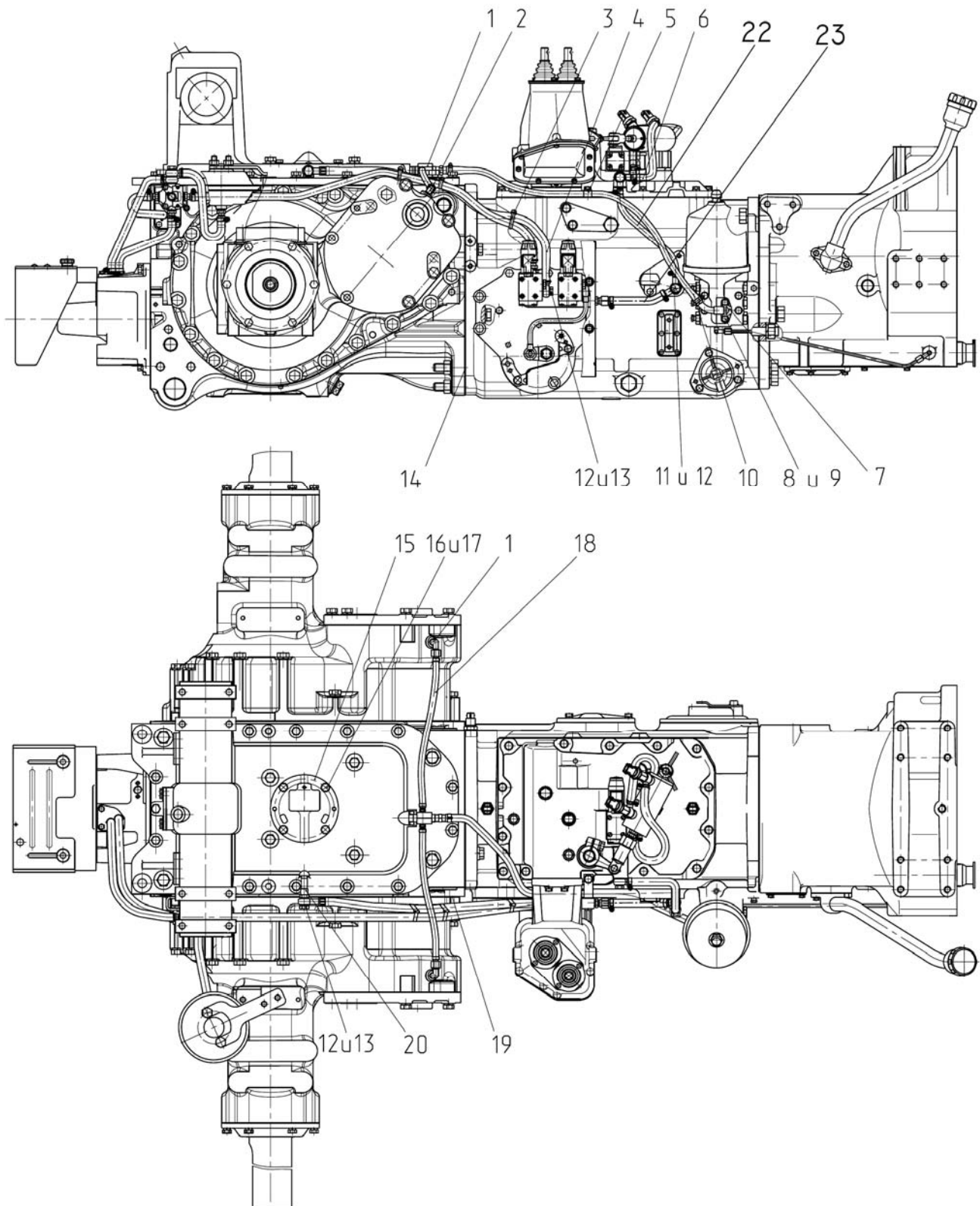


Fig. 24.1 Transmission

Group. 24 Rear axle
Subgroup 2400. Transmission

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
24.1		2022-0002000	1	Transmission
	1	2022-2401513	1	Adapter
	2	822-3503037	2	Screw-in angle piece
	3	80-3723045-01	3	Collar
	4	2022-2401540-A-02	1	Oil pipeline
	5	P80-4607013	1	Clamp
	6	70-4802046	1	Clamp
	7		1	Ring 017-022-30-1-4 GOST 18829-76/GOST 9833-73
	8		2	Bolt M8x30 GOST 7796-70
	9		2	Washer 8T OST 37.001.115-75
	10	2022-2401520	1	Oil pipeline
	11	240-1111103	1	Bolt
	12	D18-055-A	7	O-Ring
	13	D18-051	2	Bolt
	14	2022-2401017	2	Gasket
	15	1822-2409002	1	Gasket
	16		4	Bolt M10x30 GOST 7796-70
	17		4	Washer 10 OT OST 37.001.115-75
	18	2022-2401510	2	Oil pipeline
	19	2022-2407552	2	Gasket
	20	2022-2409013	1	Fitting
	22	2022-2401540-A	1	Oil pipeline
	23	2022-2401530-A	1	Oil pipeline

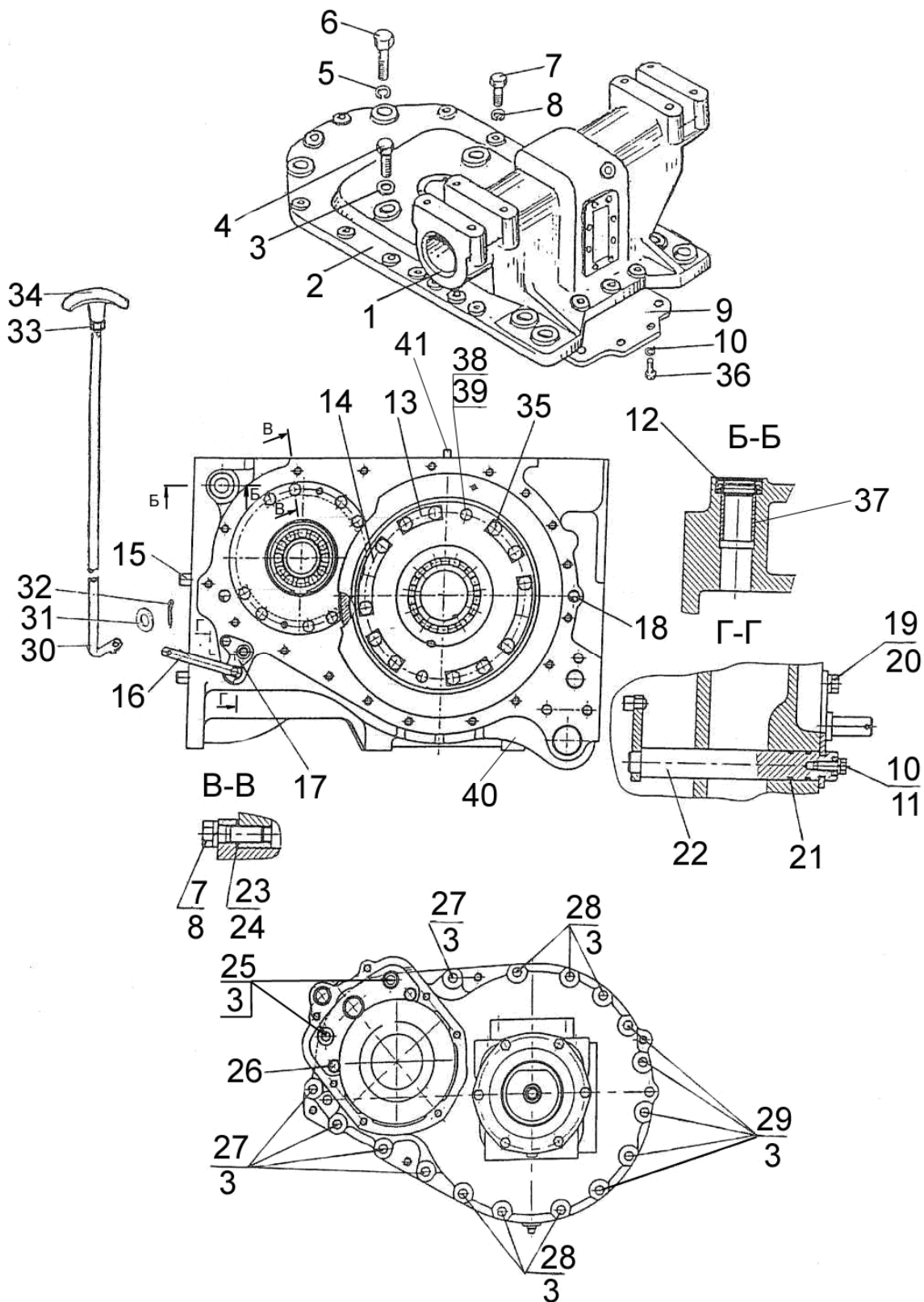


Fig. 24.2 Rear axle housing. Final drive. Shutdown mechanism of separate PTO drive.

Group. 24 Rear axle
Subgroup 4201, 2407. Rear axle housing. Final drive.
Shutdown mechanism of separate PTO drive.

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
24.2		2022-2401010	1	Rear axle
		2022-2401015	1	Rear axle housing (15, 18, 37-40)
		1522-2401030-01	1	Cover assy (1, 2, 9, 10, 36)
	1	1522-4605007	2	Bushing
	2	1522-2401024-01	1	Cover
	3		40	Washer 16 OT OST 37.001.115-75
	4		4	Bolt M16-6gx80.88.35.019 GOST 7795-70
	5		4	Washer 20 OT OST 37.001.115-75
	6	70-4605036	4	Bolt (M20x60)
	7	1221-2407505	33	Bolt (M14x45)
	8		33	Washer 14 OT OST 37.001.115-75
	9	1522-2401026	1	Cover
	10		9	Washer 8 OT OST 37.001.115-75
	11		1	Bolt M8-6gx20.88.35.019 GOST 7796-70
	12		2	Collar 2.2-25x42-1 GOST 8752-79/ OST 3805146-78
	13	2022-2407503-01	8	Plate
	14	2022-2407503	4	Plate
	15	50-4605027	2	Dowel
	16	100X-2401024	1	Lever
	17	2022-1602120	1	Axle flange
	18	1221-2407508-01	4	Dowel
	19		1	Bolt M10-6gx20.88.35.019 GOST 7796-70
	20		1	Washer 10 OT OST 37.001.115-75
	21		2	Ring 020-025-30-1-4 GOST 18829-73/GOST 9833-73
	22	100X-2401020-01	1	Shaft with carrier
	23	2022-2407056	20 max	Gasket S=0,2 mm
	24	2022-2407056-01	10 max	Gasket S=0,5 mm
	25	2022-2401111-02	4	Bolt (M16x160)
	26	2022-3502008	4	Dowel
	27	2022-2401111	10	Bolt (M16x85)
	28	2022-2401111-03	12	Bolt (M16x175)
	29	2022-2401111-01	10	Bolt (M16x150)
	30	1522-4216081-01	1	Rod
	31		1	Washer S 8.01.019 GOST 11371-78
	32	3,2x18	1	Split pin 3,2x18.019 GOST 397-79
	33		1	Nut M8-6H.6.019 GOST 5915-70
	34	50-1310136-A	1	Handle
	35	2022-2407505	24	Bolt (M16x50)
	36		8	Bolt M8-6gx16.88.35.019 GOST 7796-70
	37	36-3502037-A	2	Bushing
	38	54.38.619	4	Locking ring
	39	2022-2407512	4	Dowel
	40	2022-2401016	1	Rear axle housing
	41	D01-015	2	Dowel

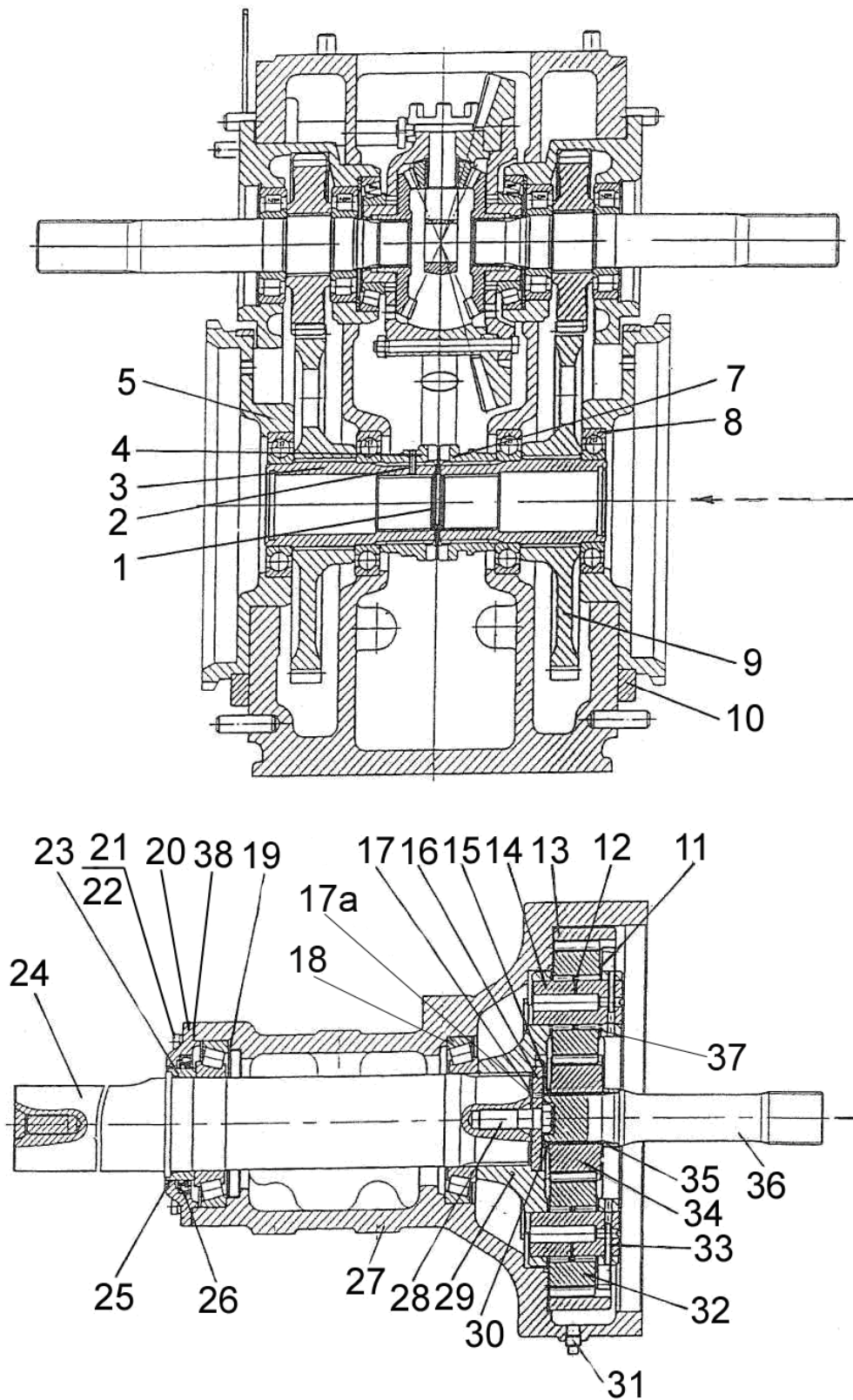


Fig. 24.3 Final drive

**Group. 24 Rear axle
Subgroup 2407. Final drive.**

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
24.3		2022-2407080	2	Semi-axle (23, 24)
		2022-2407535	2	Carrier (11, 12, 14, 29, 32, 33, 37)
		2022-2407130	2	Cage (5, 8, 10)
		2022-2407030	2	Cover (20, 25, 26)
		2022-2407540	2	Driving gear (30, 34-36)
	1		2	Ring S52 GOST 13943-86
	2	A.8x26.65G	1	Dowel A.8x26.65G GOST 14229-93
	3	2022-2407123	2	Bushing
	4	1822-2409012	1	Coupling
	5	2022-2407131	2	Cage
	7	1822-2409011	1	Coupling
	8	217A	4	Bearing GOST 8338-75
	9	2022-2407122	2	Driven gear
	10	2022-2407132	2	Ring
	11	2022-2407538	16	Washer of planet gear
	12	2022-2407539	8	Distance washer
	13	2022-2405050	2	Driven gear
	14	2022-2407556	8	Planet gear shaft
	15	2022-2407507	2	Washer
	16	2022-2407537	2	Washer
	17	2022-2407506	6 max	Gasket
	17a	2022-2407506-01	6 max	Gasket
	18	7220A	4	Bearing GOST 27365-87 or bearing KG 3022
	19	2022-2407091	2	Ring
	20	2022-2407028	2	Cover
	21		12	Bolt M12-6gx35.88.35.019 GOST 7796-70
	22		12	Washer 12 OT OST 37.001.115-75
	23	2022-2407084	2	Bushing
	24	2022-2407082	2	Semi-axle
	25		2	Ring 020-025-30-1-4 GOST 18829-73/GOST 9833-73
	26		2	Collar 2.2-120x150-1 GOST 8752-79/ OST 3805146-78
	27	2022-2407015 or 2022-2407015-01	1 1	Left axle tube Right axle tube
	28	2022-2407511	2	Bolt
	29	2022-2407536	2	Carrier
	30		2	Ring 2S55 GOST 13940-86
	31	PK KG 3/8"	2	Plug
	32	2022-2405035	8	Planet gear
	33		8	Dowel A.8x45.65G GOST 14229-93
	34	2022-2405028	2	Driving gear
	35	1221-2407542	2	Bushing
	36	1221-2407541	2	Shaft
	37		448	Roller 6x27,8A3 GOST 6870-81
	38	2022-2407029	2	Gasket

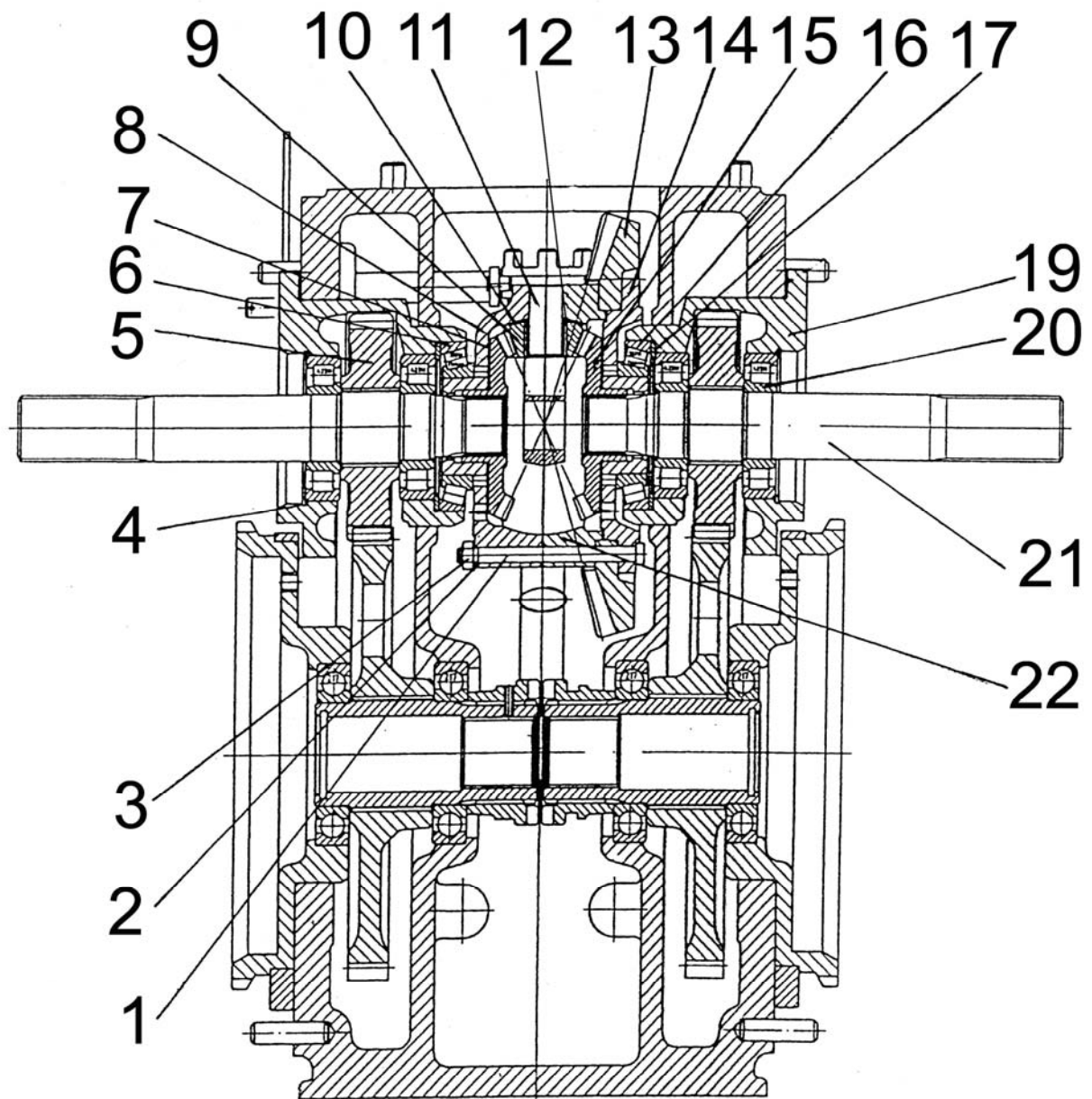


Fig. 24.4 Differential. Bearings body.

Group 24. Rear axle
Subgroup 2403. Differential
Subgroup 2407. Bearings body

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
24.4		2022-2403010*	1	Differential (1-3, 6-16, 22)
		2022-2407060	2	Bearings body (4, 5, 17, 19-21)
	1	2022-2403034	12	Bolt
	2	2022-2403023	6	Locking plate
	3		12	Nut M12-6H.6.019 GOST 5915-70
	4		2	Ring S 125 GOST 13943-86
	5	2022-2407052	2	Gear
	6		1	Bearing 7216 A GOST 27365-87
	7	2022-2403049	2	Washer
	8	2022-2403019-B	1	Cover
	9	2022-2403055	4	Planet gear
	10	2022-2403025-B	4	Washer of planet gear
	11	2022-2403062-B	1	Cross
	12		100	Roller 4x29,8 A3 GOST 6870-81
	13	2022-2403021**	1	Driven gear
	14	2022-2403018	1	Housing
	15	2022-2403048	2	Side gear
	16		1	Bearing Timken 30216 or SNR 30216A
	17	2022-2407043	2	Ring
	19	2022-2407042	2	Bearings body
	20	42311M1	4	Bearing GOST 8328-75
	21	2022-2407053	2	Shaft
	22	2022-2403017-B	1	Spacer

* For spare parts order - 2022-2403020 Differential (without pos. 6, 13, 16)

** For spare parts order - gear set of main gear 2022-2403014

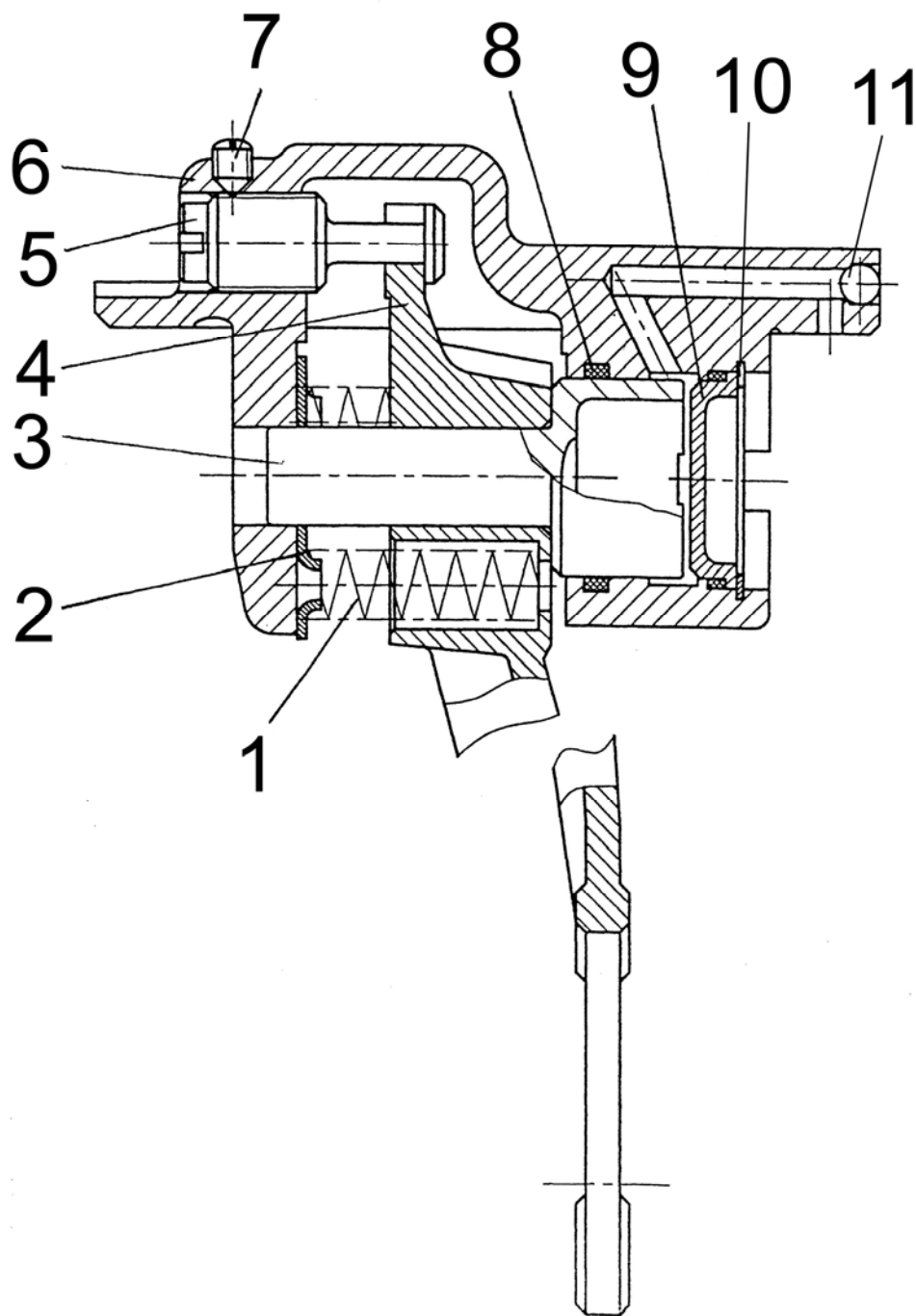


Fig. 24.5 Locking drive

Group 24. Rear axle
Subgroup 2409. Locking drive

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
24.5		1822-2409010	1	Locking drive
	1	101-4602031	3	Spring
	2	1822-2409003	1	Limit stop
	3	1822-2409007	1	Piston
	4	1822-2409008	1	Yoke
	5	1822-2409004	1	Screw
	6	1822-2409001	1	Bracket
	7	1520-2308011	1	Screw
	8		2	Ring 040-045-30-2-2 GOST 18829-73/GOST9833-73
	9	1822-2409006	1	Blind plug
	10		1	Ring S45 GOST 13941-86
	11		1	Ball 7,144-60 GOST 3722-81

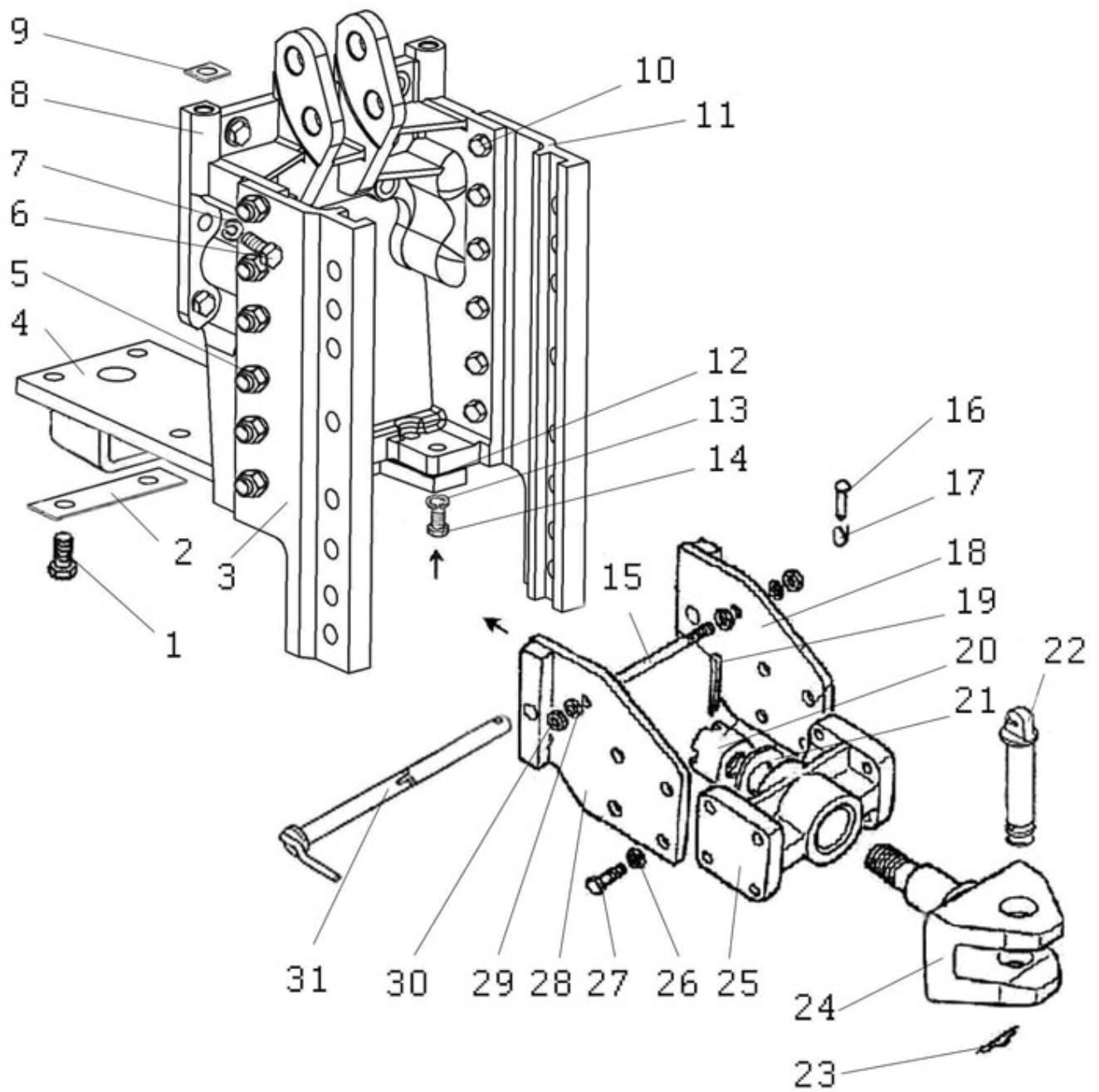


Fig. 27.1. Drawbar hitch

Group 27. Drawbar hitch
Subgroup 2707. Drawbar hitch

Fig.No	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	M20x1,5-6H.04.019 GOST 15522-70	12	Nut
	6	70-4605036	12	Bolt
	7	20 OT OST 37.001.115-75	28	Washer
	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	Plate
	13	20 OT OST 37.001.115-75	4	Washer
	14	680-2707024	4	Bolt
	15	1522-2707244	1	Tie-rod
	16	A61.05.005	1	Cotter key
	17	A61.05.004	1	Ring
	18	1321-2707070-B-01	1	Plate
	19	6,3x63.019 GOST 397-79	1	Split pin
	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	20 OT OST 37.001.115-75	8	Washer
	27	680-2707024	8	Bolt
	28	1321-2707070-B	1	Plate
	29	16 OT 37.001.115-75	2	Washer
	30	M16-6H.6.019 GOST 5915-79	4	Nut
	31	1321-2707030	1	Pin

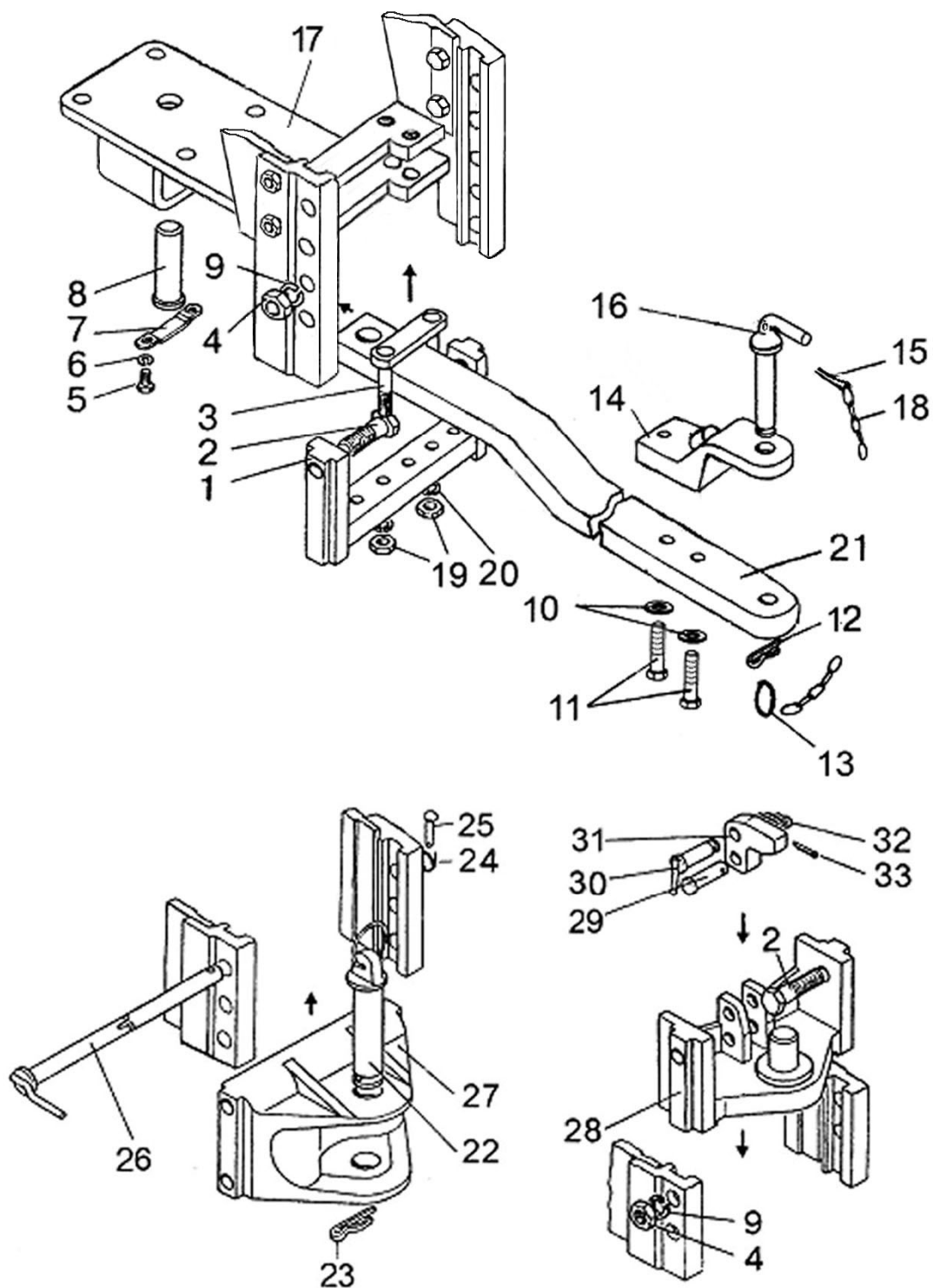
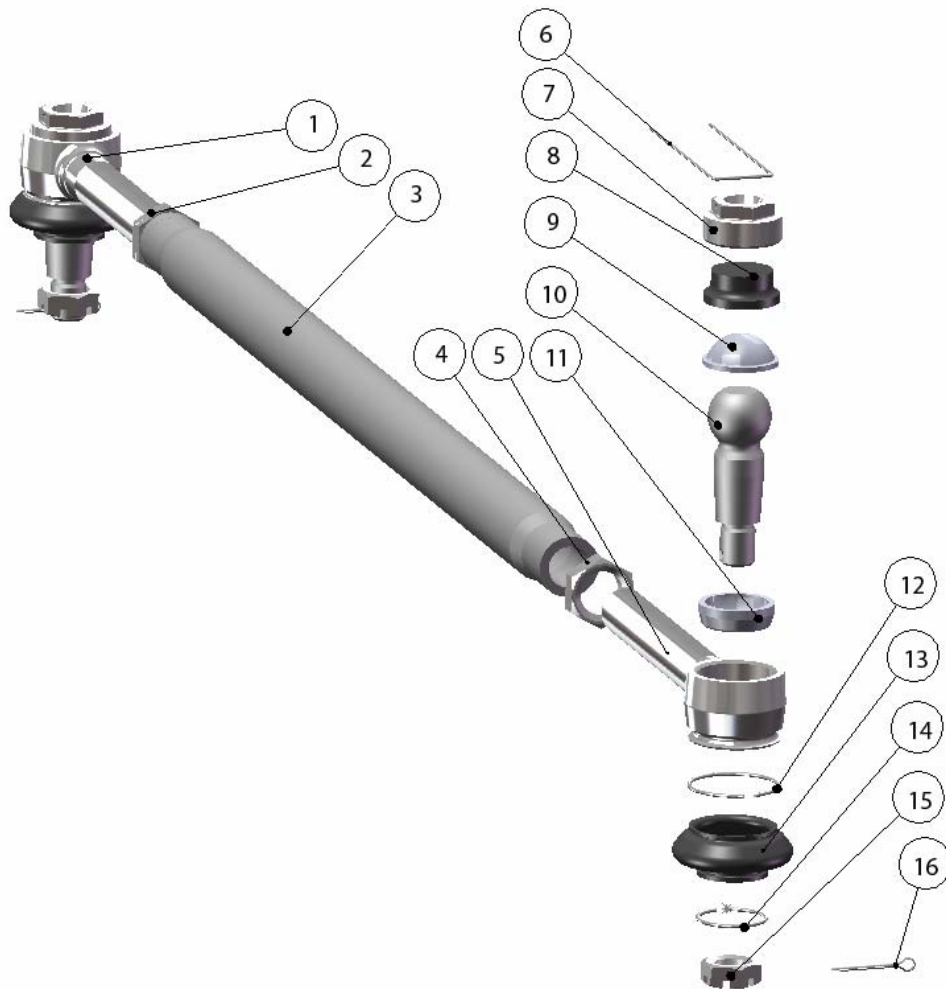


Fig. 27.2. Drawbar hitch (configuration variants)

Group 27. Drawbar hitch
Subgroup 2707. Drawbar hitch(configuration variants)

Fig.No	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	M20x1,5-6H.04.019 GOST 15522-70	4	Nut
	5	M10x6gx20.88.35.019 GOST 7796-70	2	Bolt
	6	10 OT OST 37.001.115-75	2	Washer
	7	1522-2707126	1	Plate
	8	1522-2707127	1	Axle
	9	20 OST 37.001.115-75	4	Washer
	10	1523-2707146	2	Washer
	11	1523-2707149	2	Bolt
	12	A61.07.001-A	1	Split pin
	13	H50-4202146	1	Ring
	14	1523-2707145	1	Strap
	15	3,2x25.019 GOST 397-79	1	Split pin
	16	1522-2707079-A	1	Pin
	17	1522-2707020-B	1	Plate
	18	70-4235035	2	Chain
	19	M16-6H.6.019 GOST 5915-70	2	Nut
	20	16 OT OST 37.001.115-75	2	Washer
	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	4x36.019 GOST 397-79	1	Split pin



Group 30. Front axle
Subgroup 3003. Steering link

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
30.1		1220-3003010-01	1	Steering link (1-16)
	1	1220-3003020-A	1	Right joint (1220-3003022, 6-16)
		1220-3003020-A-01	1	Left joint (1220-3003022-01, 6-16)
	2	1220-3003013-01	1	Locknut
	3	1220-3003011	1	Pipe
	4	1220-3003013	1	Locknut
	5	1220-3003022	1	Right joint housing
		1220-3003022-01	1	Left joint housing
	6	2,0-O-C	2	Wire L=270 mm
	7	50-3003018-B	2	Plug
	8	1220-3003028	2	Insert
	9	1220-3003027	2	Insert
	10	1220-3003021	2	Ball pin
	11	1220-3003023	2	Insert
	12	1220-3003024	2	Ring
	13	1220-3003025-A	2	Boot
	14	1220-3003029	2	Ring
	15	M20x1,5	2	Nut
	16	4x36	2	Split pin

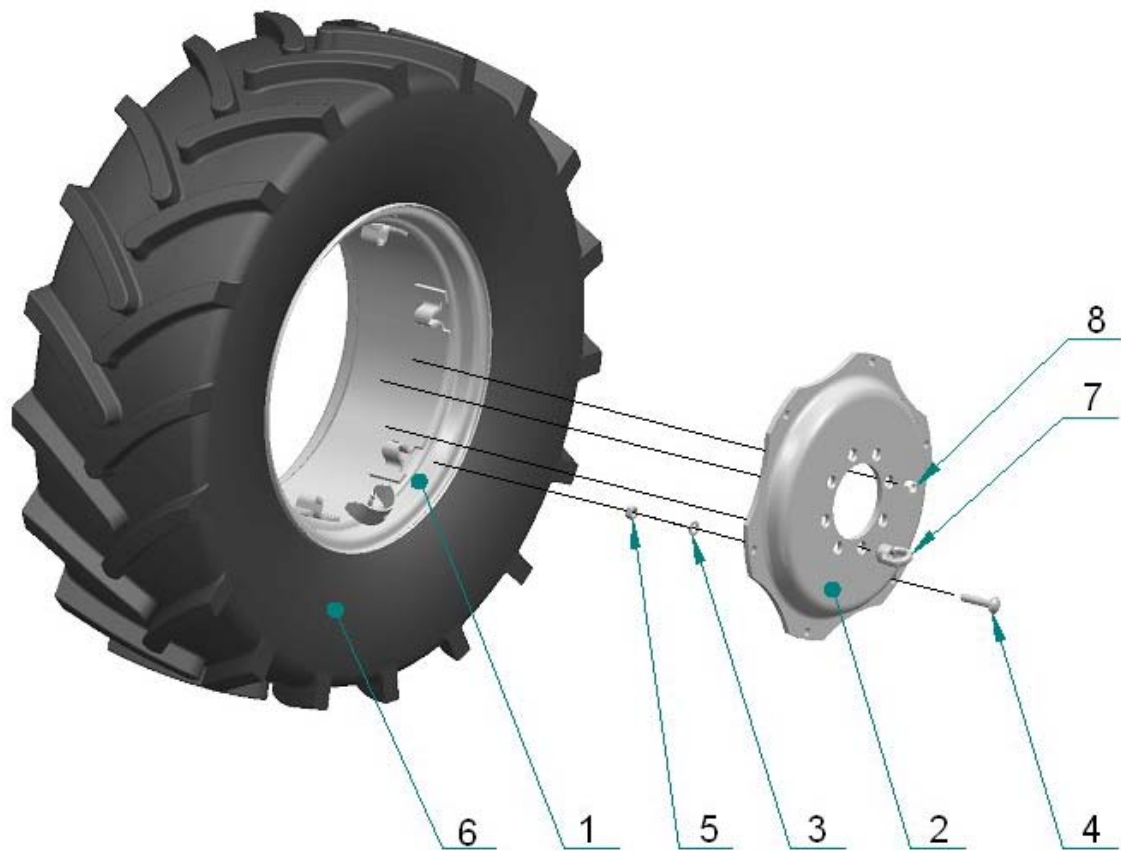


Fig. 31.1 Front drive wheel

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
31.1		1221-3101010-01	2	Wheel 420/70R24 (1-6) (assembled with tire)
		W12-24-3101020-01 or 880.3101012-01	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 M16x1,5-6H.10.019 GOST 5915-70
	6		2	Tire 420/70R24
	7	70-3104019-01	2	Special nut
	8	40-3103017-01	16	Wheel retaining nut

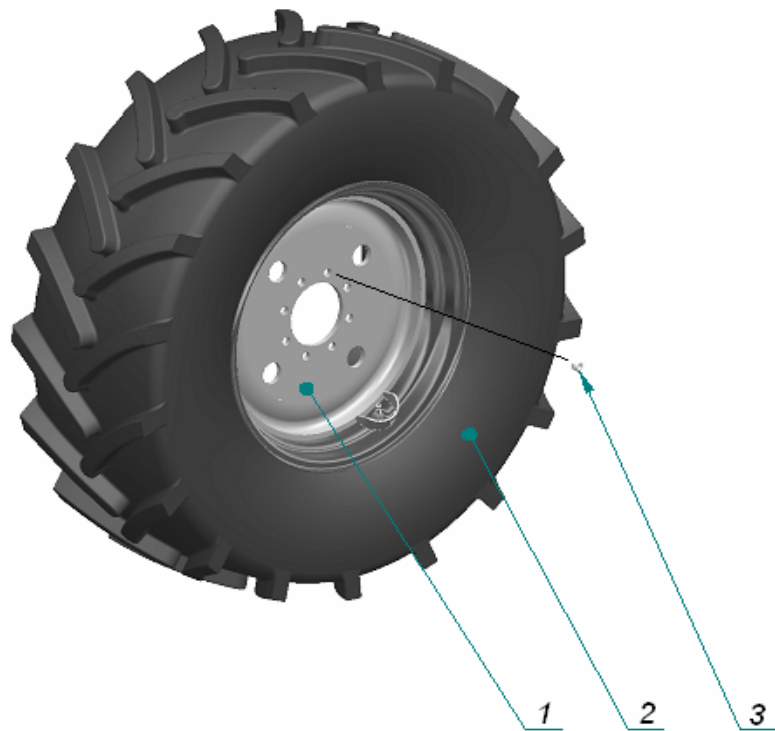


Fig. 31.2 Front drive wheel

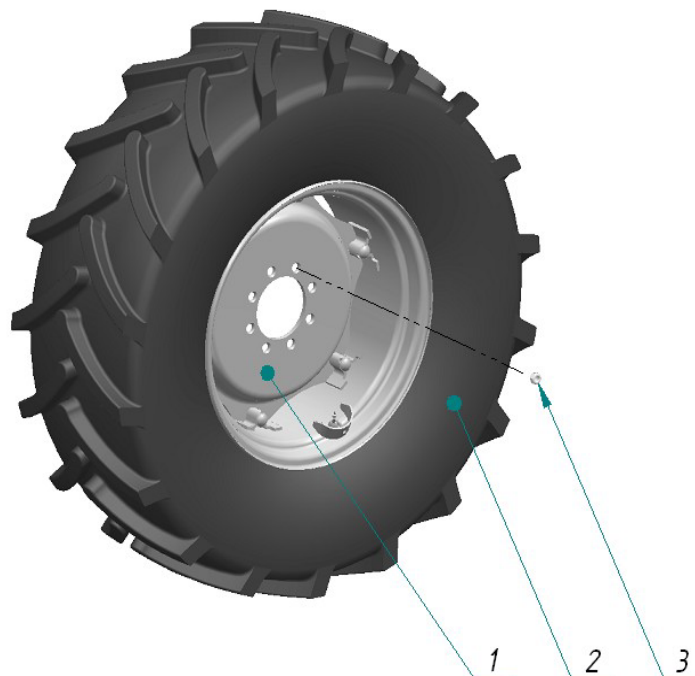


Fig. 31.3 Front drive wheel

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
31.2		2022-3101010*	2	Wheel 480/65R24 (1,2) (assembled with tire)
	1	867.3101012-01	2	Wheel W14Lx24
	2		2	Tire 480/65R24
	3	40-3103017-01	16	Wheel retaining nut
31.3		822-3101015*	2	Wheel 11.2R24 (1,2) (assembled with tire)
	1	8133.3101012	2	Wheel W10x24
	2		2	Tire 11.2R24
	3	40-3103017-01	16	Wheel retaining nut

* - additional configuration

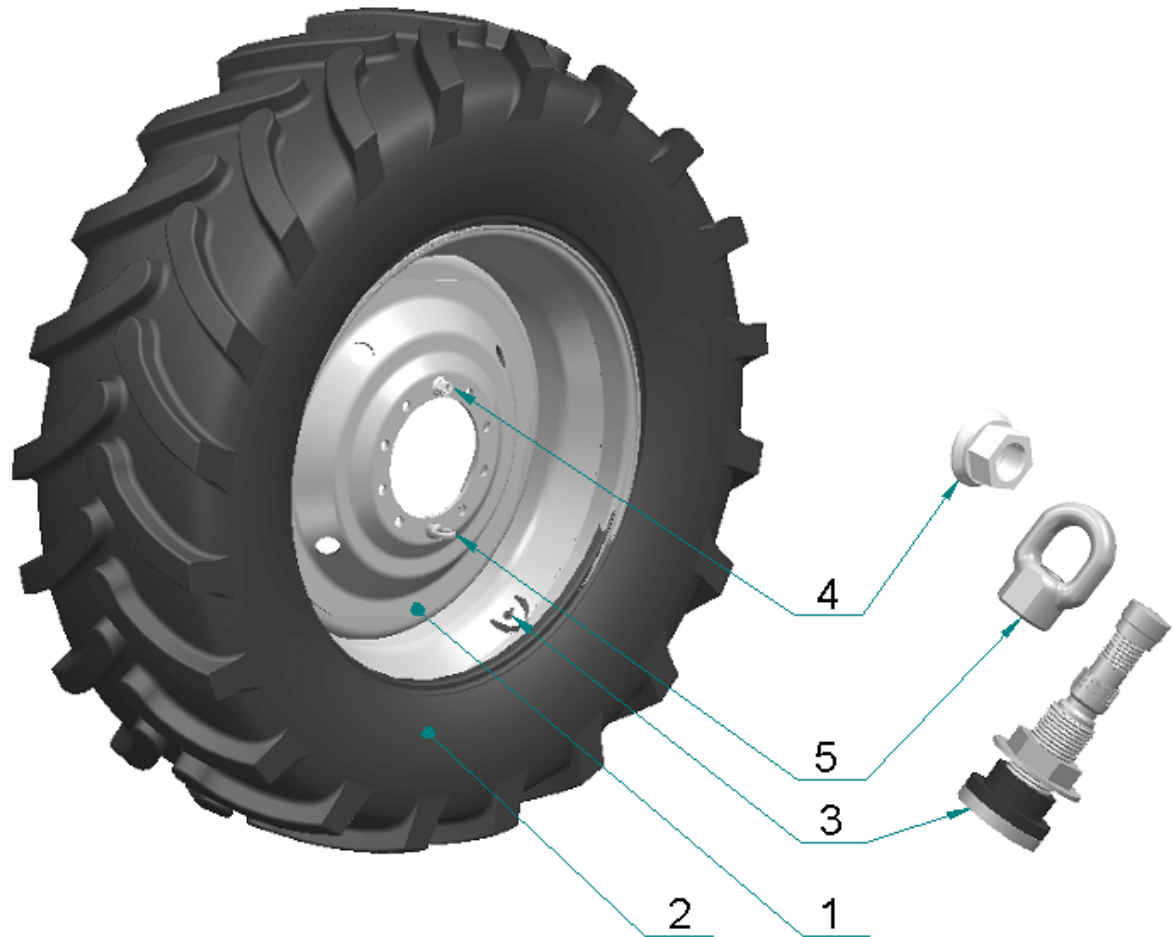


Fig. 31.4 Rear drive wheel

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty***	Description
31.4	Main configuration			
		2522-3107010* or 3022-3107015**	4	Wheel 580/70R42 (1,2,3) (assembled with tire)
	1	8885.3107012-01	4	Wheel DDW18Lx42
	2		4	Tire 580/70R42
	3		4	Air-and-water valve TR618A (for tubeless tires)
	4	93865-3104038	40	Nut or Nut M22x1,5 – 6H OST 37.001.195-97 or Nut M22x1,5-10.9 DIN 74361
	5	70-3104019-02	2	Special nut
	Additional configuration			
		2022-3107020	4	Wheel 11.2R42 (1,2) (assembled with tire)
	1	8281.3107012	4	Wheel DW8x42
	2		4	Tire 11.2R42
	4	93865-3104038	40	Nut or Nut M22x1,5 – 6H OST 37.001.195-97 or Nut M22x1,5-10.9 DIN 74361

* - with tubeless tire

** - with tubed tire

*** - with regard to wheels twinning

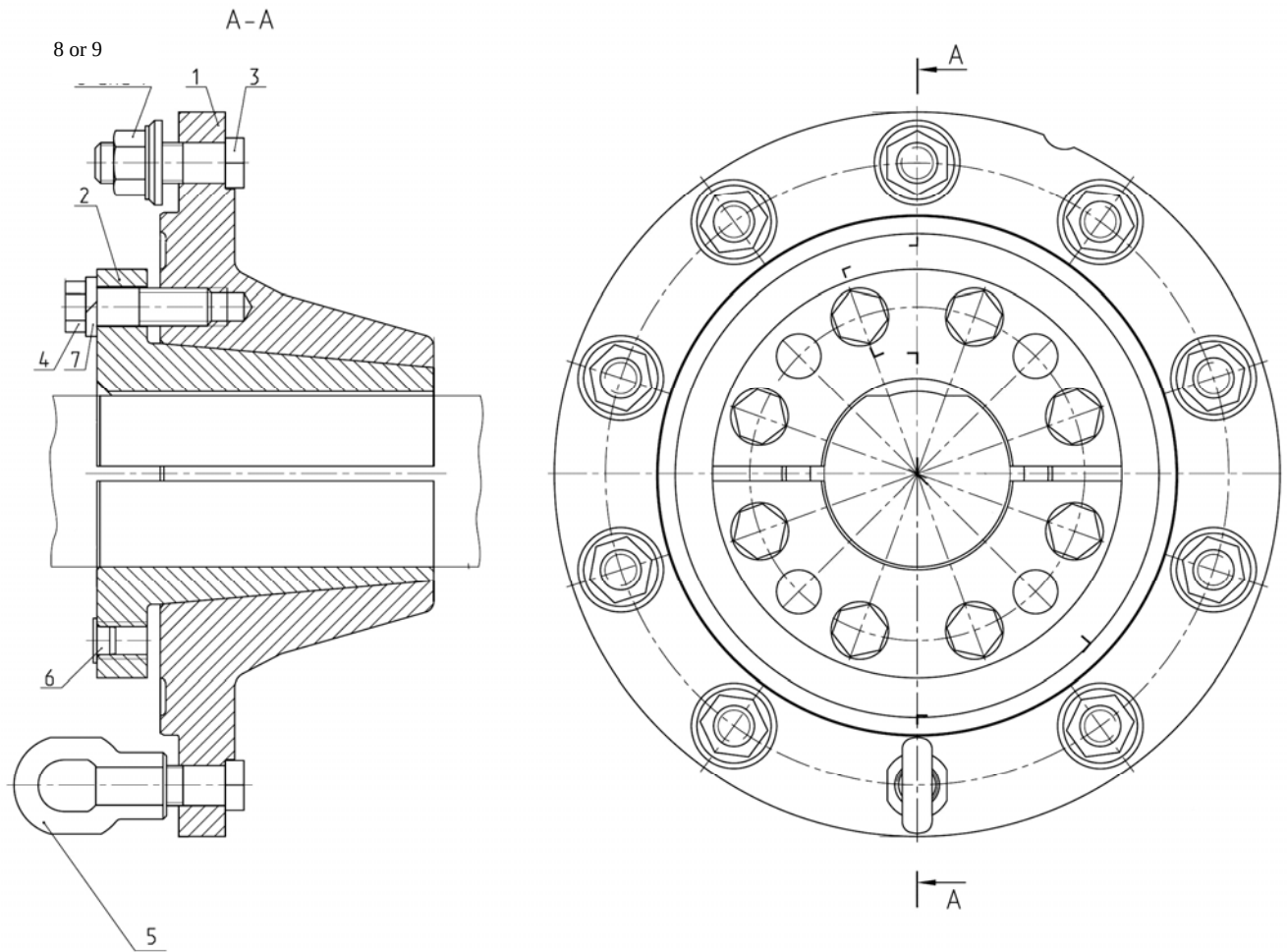


Fig. 31.5 Hub

Group 31. Wheels and hubs
Subgroup 3104. Hub

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
31.5		1822-3104010	1	Hub
	1	1822-3104011	1	Hub housing
	2	1822-3104012	1	Insert
	3	2522-3104012	10	Bolt
	4	70-4605036	8	Bolt
	5	70-3104019-02	1	Special nut
	6	80-3405038-03	4	Plug
	7		8	Washer 20 OT OST 37.001.115-75
	8		9	Nut M22x1,5 (93865-3104038) or Nut M22x1,5-10 DIN 74361

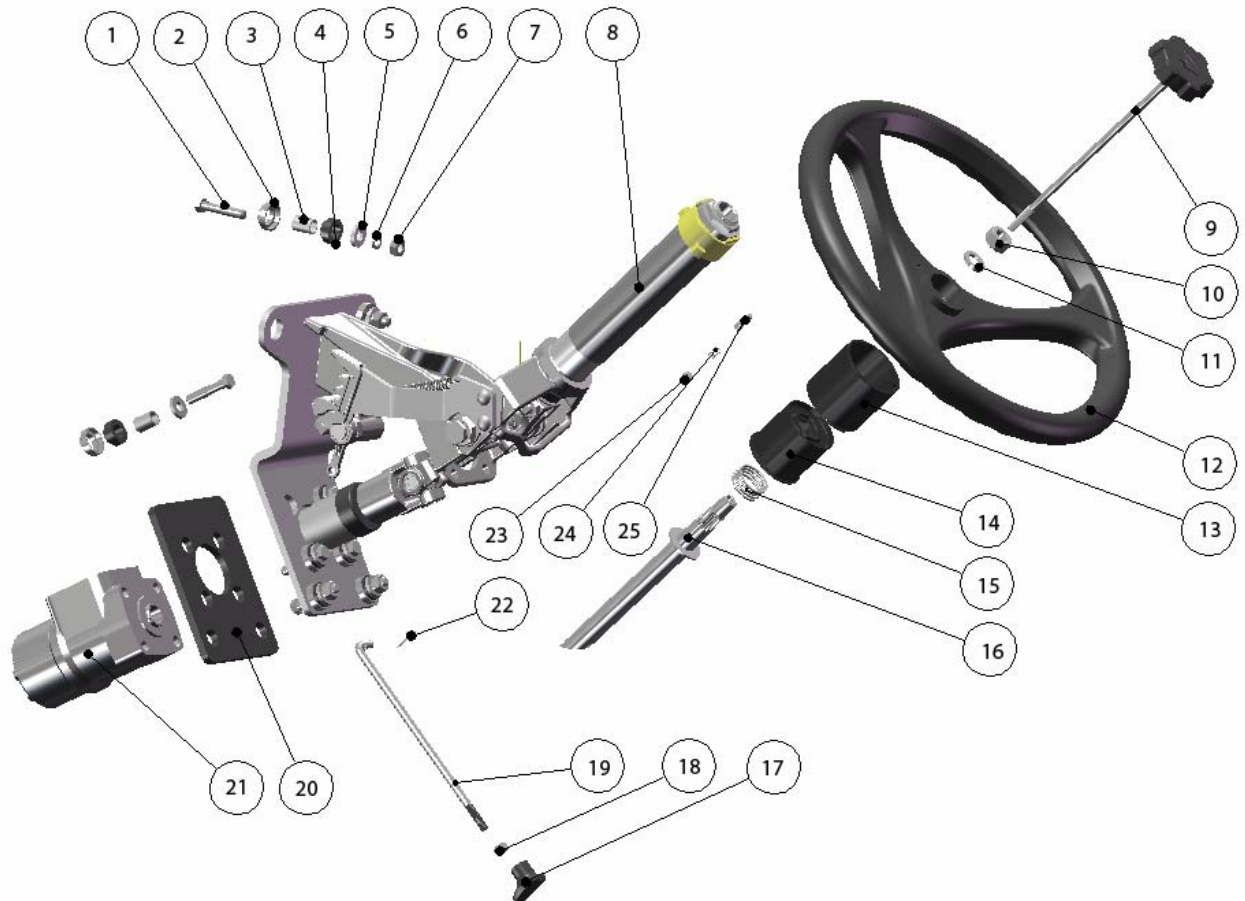


Fig. 34.1. Steering column

Group 34. Steering
Subgroup 3401. Steering column

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
34.1		2522-3401000-02	1	Steering column
		85-3401170 or 85-3401170-A	1	Steering wheel (pos.9-16, Pos.23-25)
	1	Bolt M10x50	8	Bolt
	2	2522-3401023	8	Bushing
	3	2522-3401022	8	Bushing
	4	2522-3401024	8	Bushing
	5	2522-3401021	8	Washer
	6	Washer 10 OT	4	Washer
	7	Nut M10	4	Nut
	8	2522-3401010	1	Steering column
	9	822-3401140-A1	1	Clamp
	10	Nut M16x1,5	1	Nut
	11	Washer 16 L	1	Washer
	12	85-3402015 or 70-3402015-A1/A2	1	Steering wheel
	13	80-3709026	1	Middle bushing
	14	80-3709025	1	Inner bushing
	15	50-4608057	1	Spring
	16	85-3401175	1	Shaft
	17	70-4803060	1	Handle
	18	Nut M8	1	Nut
	19	822-3401001-02	1	Rod
	20	2522-3401001	1	Gasket
	21	OSPC-160 ON150G0030	1	Dosing pump
	22	Split pin 2x12	1	Split pin
	23	822-3401173	1	Plug
	24	822-3401172	1	Spring
	25	822-3401171	1	Pin

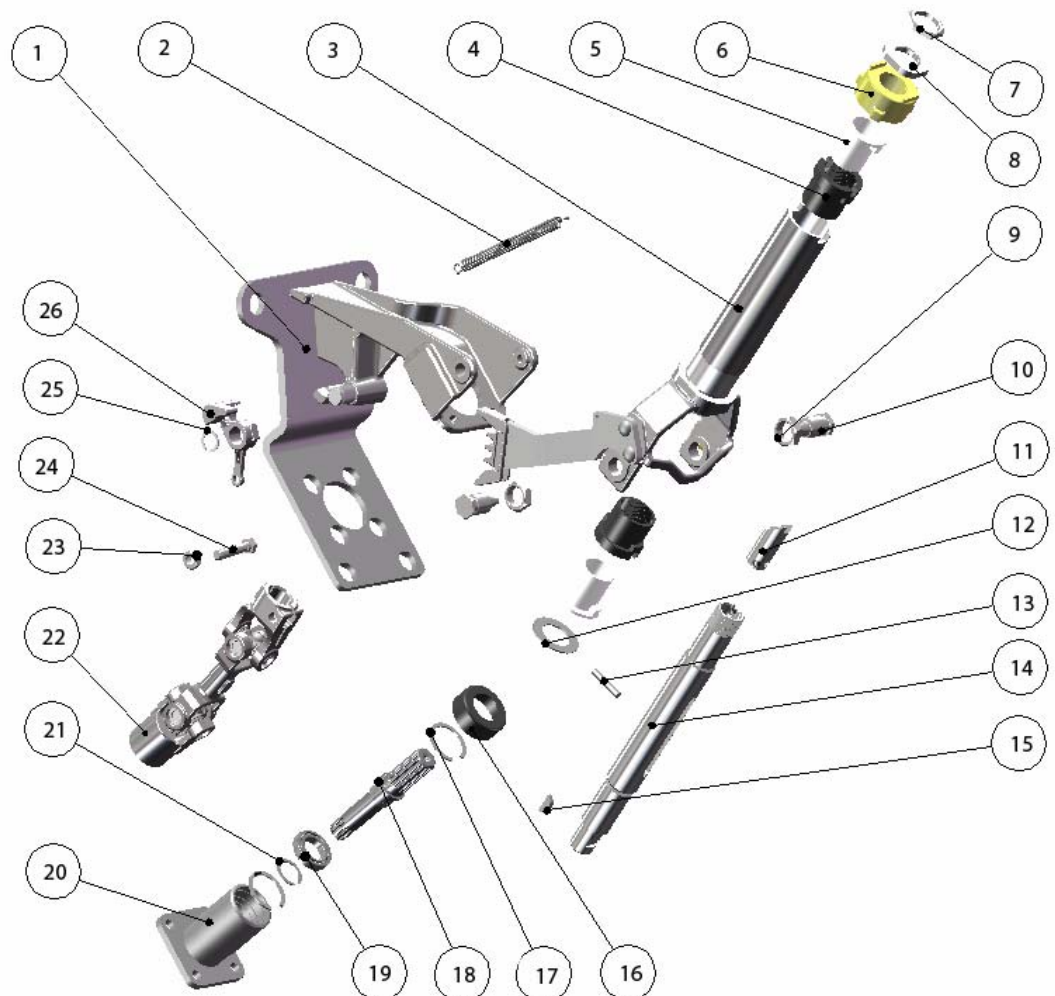


Fig. 34.2. Steering column

Group 34. Steering
Subgroup 3401. Steering column

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
34.2		2522-3401010	1	Steering column
		422-3401040	1	Housing (pos. 16-21)
	1	2522-3401120	1	Bracket
	2	50-1310158-B	1	Spring
	3	822-3401080	1	Pipe
	4	70-3401077-B	2	Shock adsorber
	5	70-3401076	2	Bushing
	6	80-3709022	1	Bump stop
	7	70-3401079	1	Locknut
	8	70-3401078	1	Nut
	9	M20x1,5	2	Nut
	10	80-3401089	2	Screw
	11	70-3401054-B	1	Shaft end
	12	600-3401012	1	Washer
	13	SHTSK 8x36	1	Dowel
	14	70-3401055	1	Shaft
	15	SSH-510	1	Key 5x10
	16	422-3401042	1	Boot
	17	S 42 GOST 13941-86	2	Ring
	18	822-3401041	1	Shaft
	19	SNR 61905 EE	1	Bearing
	20	422-3401060	1	Housing
	21	S 25 GOST 13940-86	1	Ring
	22	2522-3401150	1	Cardan
	23	Nut M10	1	Nut
	24	Bolt M10x45	1	Bolt
	25	S 18 GOST 13940-86	1	Ring
	26	85-3401014-01	1	Detent

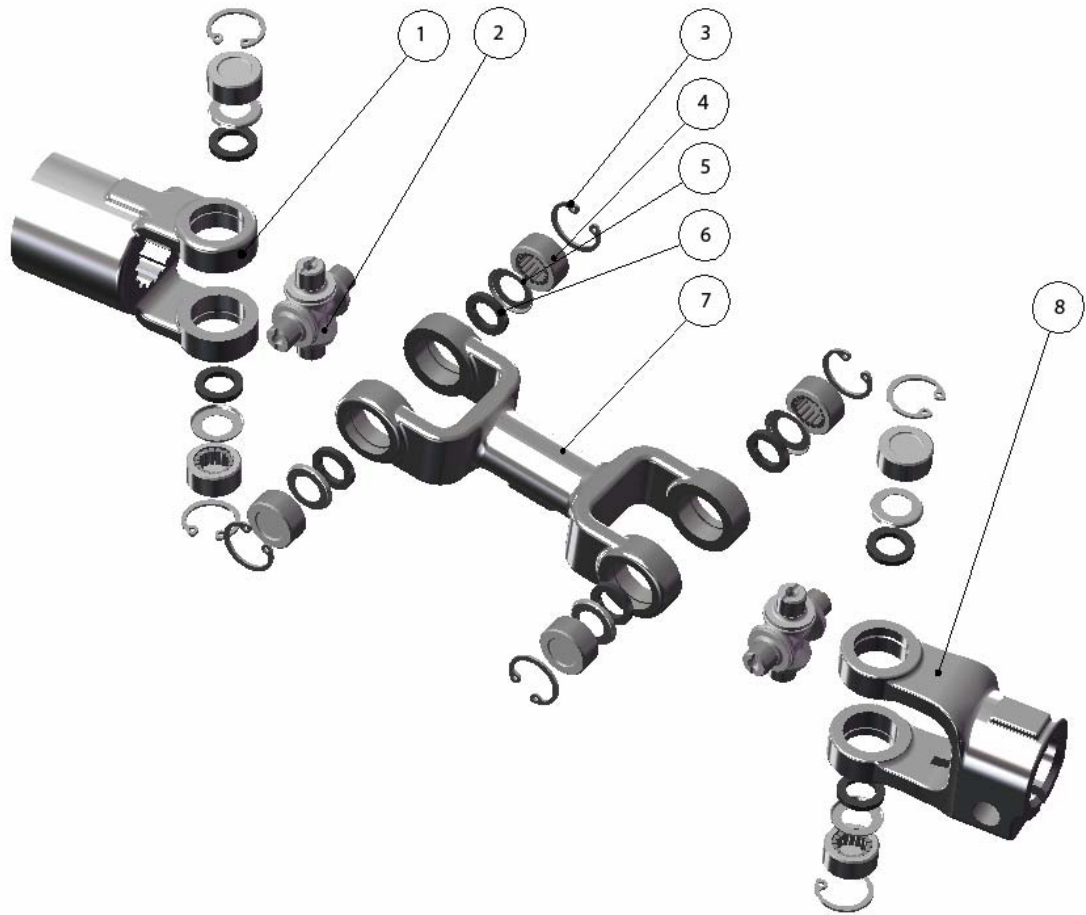


Fig. 34.3. Cardan

Group 34. Steering
Subgroup 3401. Cardan

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
34.3		2522-3401150	1	Cardan
	1	422-3401151	1	Yoke
	2	50-3401062	2	Cross
	3	S 19 GOST 13943-86	8	Ring
	4	904700 US17	8	Bearing
	5	50-3401063	8	Cage
	6	50-3401064	8	Gland seal
	7	2522-3401151	1	Yoke
	8	50-3401061-A	1	Yoke

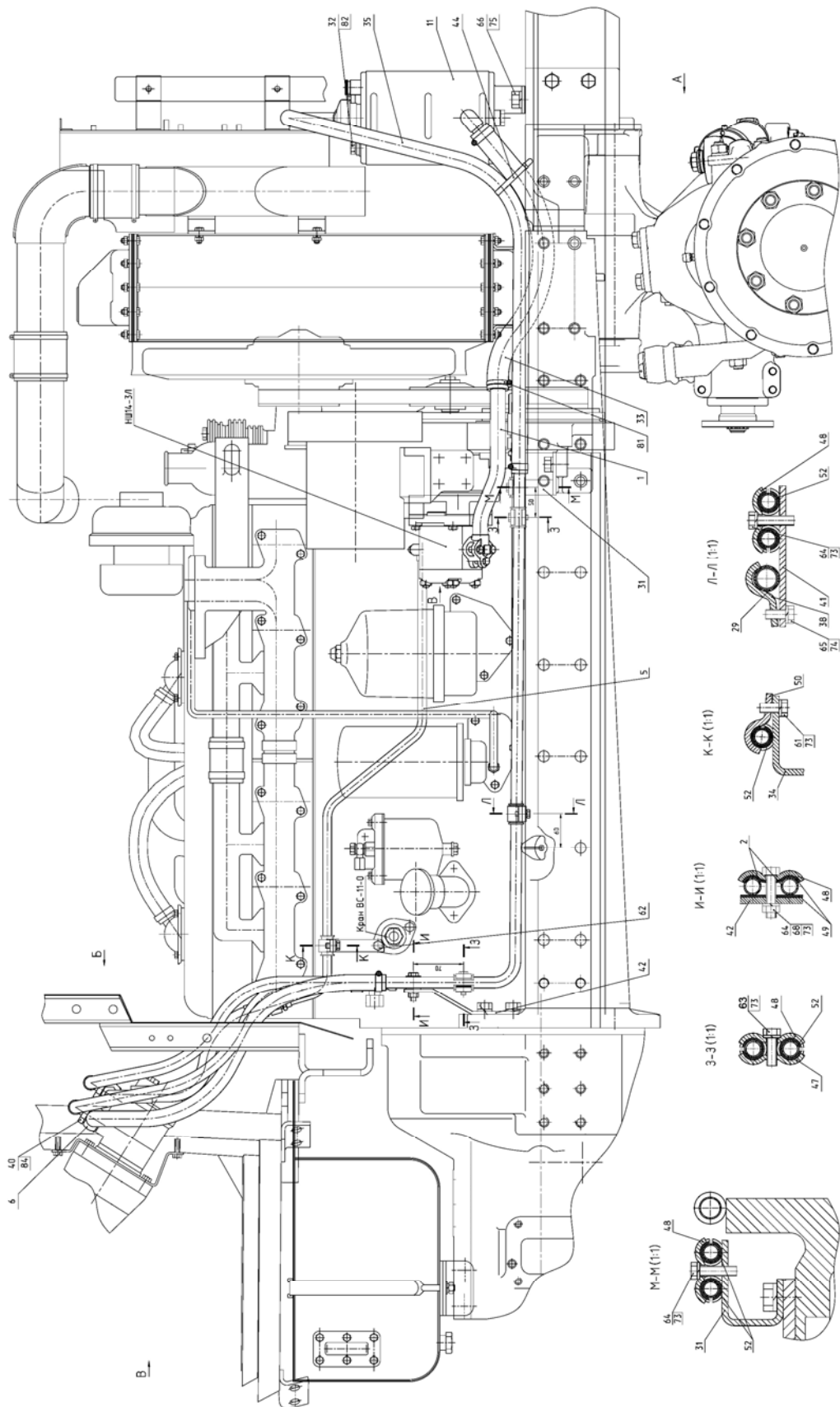


Fig. 34.4 Hydrostatic power steering

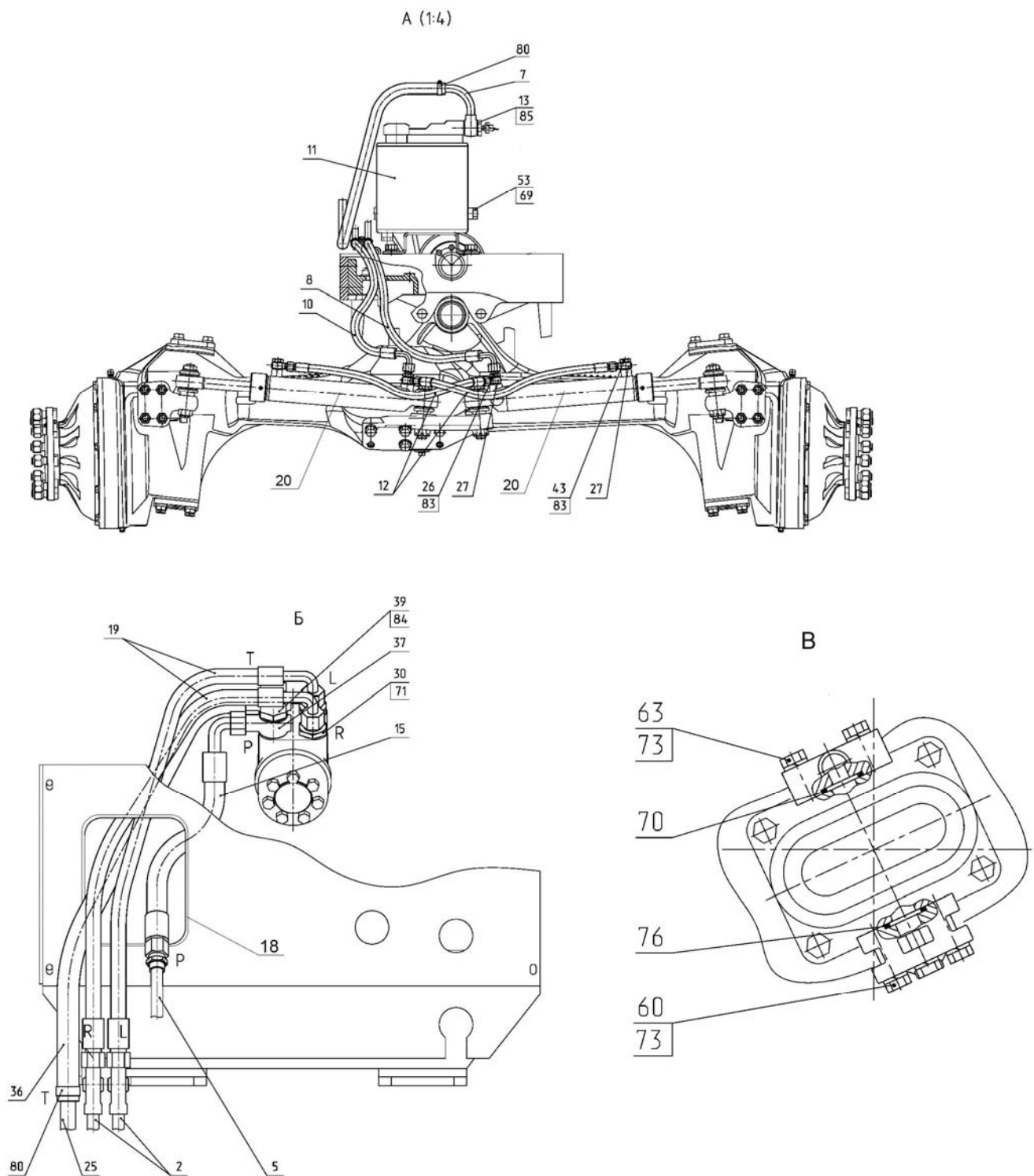


Fig. 34.5 Hydrostatic power steering

Group 34. Steering
Subgroup 3407. Hydrostatic power steering

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
34.4 34.5		2022-3400010-B	1	Hydrostatic power steering
	1	2022-3407035-A	1	Oil pipeline
	2	2022-3407055	2	Oil pipeline
	5	1221-3407020	1	Oil pipeline
	6	3022V-3407170	1	Oil pipeline
	7	2522V-3407085-01	1	Oil pipeline
	8	680-4607140-06	1	High-pressure hose Ø10x1 reinforced (L=800 mm)
	10	680-4607140-13	1	High-pressure hose Ø10 reinforced
	11	923-3407100	1	Tank
	12	952-3407100-12	2	High-pressure hose Ø8x1 reinforced (L=485 mm)
	13	1221-3407140-A-01	1	Valve
	15	1522V-3407100-06	1	High-pressure hose (L=420 mm)
	18	A37.08.045-08	1	Sealant (L=500 mm)
	19	680-4607140-11	2	High-pressure hose Ø10x1 reinforced (L=730 mm)
	20	1524-3405210	2	Hydraulic cylinder assy
	25	2022-3407011-B	1	Pipe
	26	2022-3407201-B	2	Fitting
	27	2022-3407202-A	4	Swivel angle piece
	29	3022DV-3407127	1	Bushing
	30	1522-3407016	2	Fitting
	31	1522-3407017	1	Bracket
	32	1221-1802091	1	Screw plug
	33	1221-3407012-05	1	Hose (L=540 mm)
	34	1221-3407013	1	Bracket
	35	952-3407014-07	1	Hose (L=1150 mm)
	36	952-3407014-06	1	Hose (L=730 mm)
	37	530-4614029	1	Angle piece
	38	102-3407014	1	Clip
	39	85-3407105	1	Bolt
	40	85-3407105-03	1	Bolt
	41	85-3407107	1	Strip
	42	80V-3407012	1	Bracket
	43	F80-3407301	2	Bolt
	44	80-3723045	1	Collar
	47	70-3407144	2	Threaded strip
	48	70-3407146	5	Strip
	49	70-4607158	2	Gasket
	50	70-3407163	1	Clip
	52	70-3506027	9	Bushing
	53	50-4608027-V	1	Plug
	60		3	Bolt M8-6gx45.88.35.019 GOST 7795-70
	61		1	Bolt M8-6gx20.88.35.019 GOST 7796-70
	62		1	Bolt M8-6gx25.88.35.019 GOST 7796-70
	63		4	Bolt M8-6gx30.88.35.019 GOST 7796-70
	64		3	Bolt M8-6gx35.88.35.019 GOST 7796-70
	65		1	Bolt M10-6gx25.88.35.019 GOST 7796-70
	66		2	Bolt M16-6gx32.88.35.019 GOST 7796-70



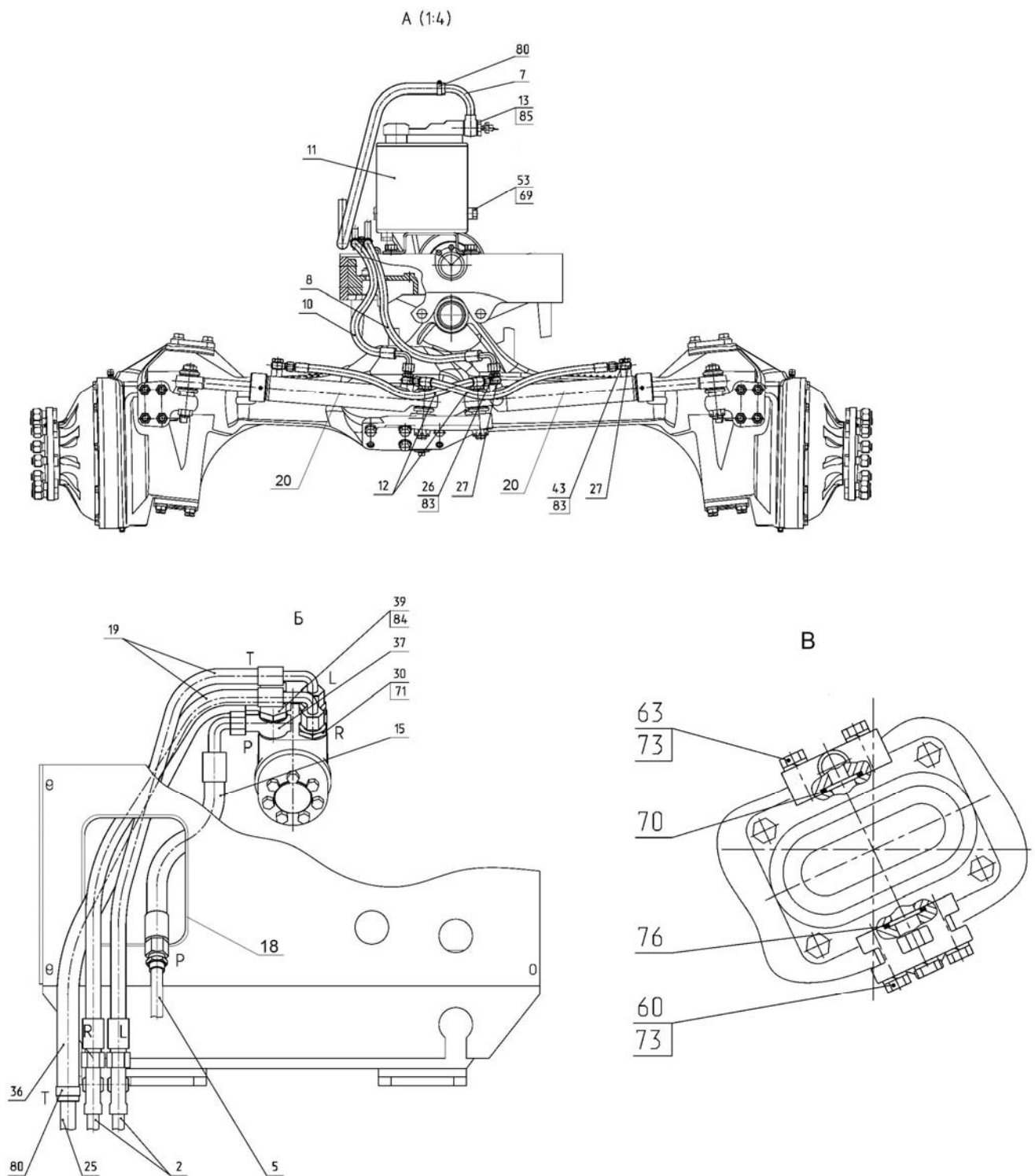


Fig. 34.5 Hydrostatic power steering

Group 34. Steering
Subgroup 3407. Hydrostatic power steering

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
34.4 34.5	68		1	Nut M8-6H.6.019 GOST 5915-70
	69		1	Ring 017-021-25-2-2 GOST 18829-73/GOST 9833-73
	70		1	Ring 017-022-30-1-4 GOST 18829-73/GOST 9833-73
	71		2	Ring 025-029-25-2-2 GOST 18829-73/GOST 9833-73
	73		11	Washer 8T OST 37.001.115-75
	74		1	Washer 10 OT OST 37.001.115-75
	75		2	Washer 16 OT OST 37.001.115-75
	76		1	Ring 020-024-25-2-2 GOST 18829-73/GOST9833-73
	77		4	Split pin 4x36.019 GOST 397-79
	80	5000.03	4	Clamp with worm thread 20-32
	81	5000.04	2	Clamp with worm thread 25-40
	82	4600.18	1	Washer RM14
	83	4600.19	8	Washer RM3/8
	84	4600.20	4	Washer RM1/2
	85	4600.22	2	Washer RM24

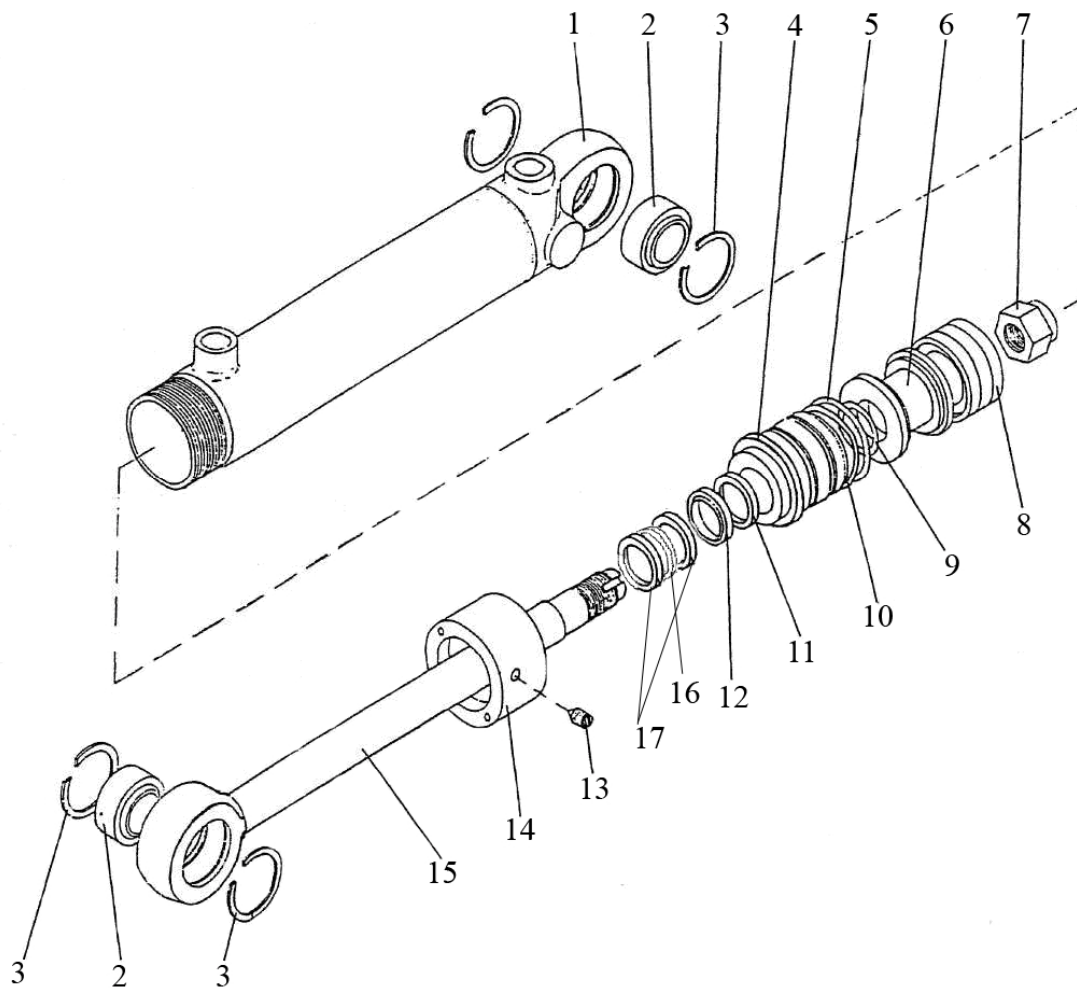


Fig. 34.6 Hydraulic cylinder 50x25-250

Group 34. Steering
Subgroup 3405. Hydraulic cylinder 50x25-250

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
34.6		TS50-3405215-A-02	1	Hydraulic cylinder 50x25-250 (2-16)
	1	TS50-3405220-02	1	Housing
	2	SHS-25	2	Bearing
	3	S42	4	Ring
	4	TS50-3405218-B	1	Cover
	5	045-050-30-1-4	2	Ring
	6	TS50-3405223-B	1	Piston
	7	TS50-3405222	1	Nut
	8	24251797 L43 50-3420,5*	1	Piston seal
	9	025-028-19-1-4	1	Ring
	10	TS50-3405228	1	Safety ring
	11	24223269 T20 25-33-5,7*	1	Rod packing
	12	24004792 PU 25-33,6-6,5*	1	Collar
	13	A.M8x10	1	Screw
	14	TS50-3405224	1	Nut
	15	TS50-3405221-B-01	1	Rod
	16	24223123 OMS-MR 25-32.3-3	1	Rod packing
	17	24226044 SB 25-28-55	2	Rod guide

* Sealing elements of the company Fruedenberg, Germany

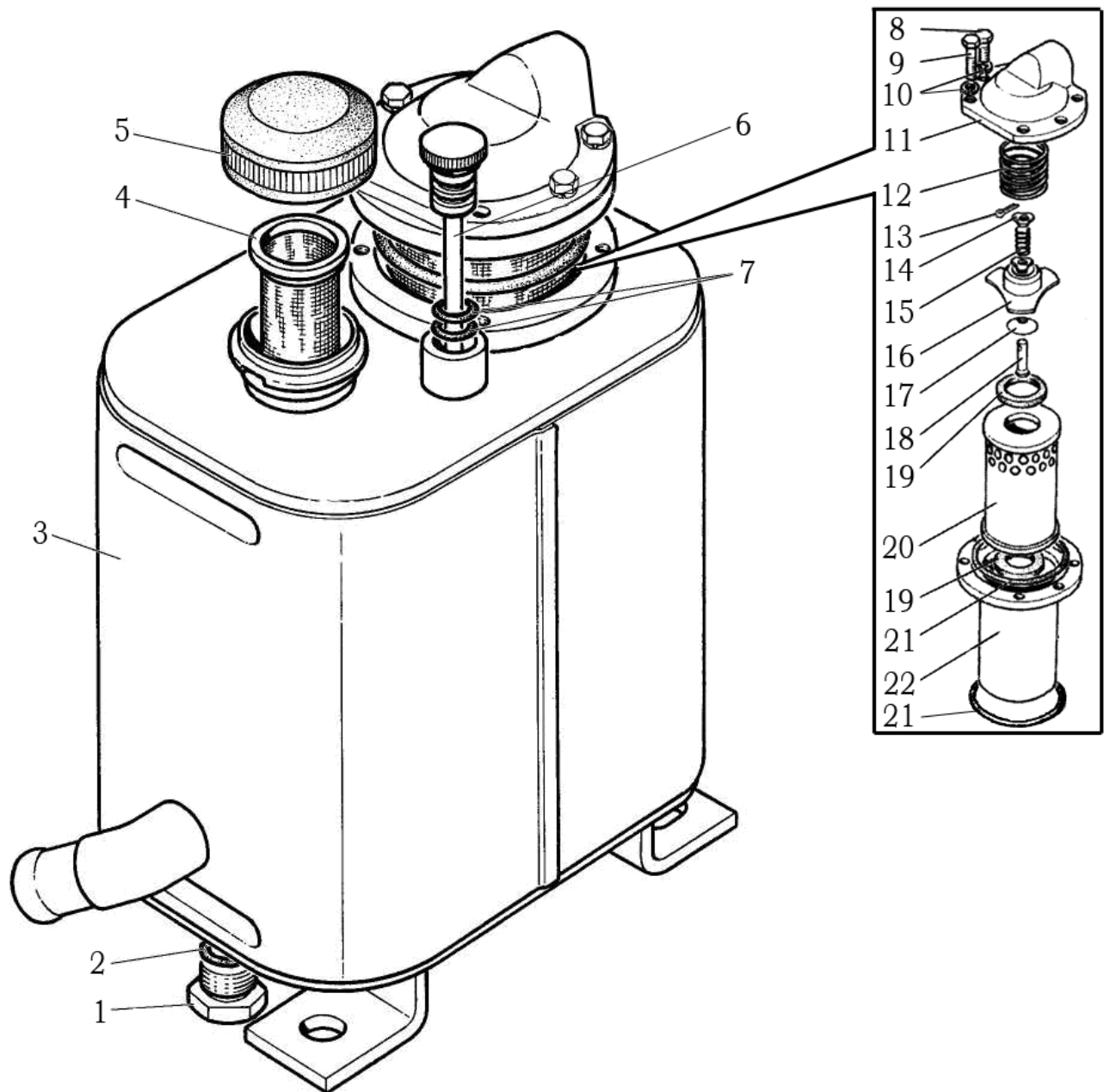


Fig. 34.7 Tank

**Group 34. Steering
Subgroup 3407. Tank**

Fig.No	Pos.No	Designation	Q-ty	Description
34.7		923-3407100-01	1	Tank (1-21)
	1	50-4608027-V	1	Plug
	2	017-021-25-2-2 GOST 18829-73/9833-73	1	Ring 017-021-25-2-2 GOST 18829-73/9833-73
	3	923-3407120-01	1	Tank
	4	A61-S06-A3	1	Filter
	5	240-3707200	1	Plug
	6	082-4608130	1	Oil gauge
	7		2	Ring 011-015-25-2-4 GOST 18829-73/9833-73
	8		2	Bolt M6-6gx16.88.35.019 GOST 7798-70
	9		4	Bolt M6-6gx25.88.35.019 GOST 7798-70
	10		4	Washer 6T OST 37.001.115-75
	11	220-4608051-01	1	Cover
	12	50-4608057	1	Spring
	13		1	Split pin 1,6x12.019 GOST 397-79
	14	320-4608081	2	Back-up plate
	15	80-3405044	1	Spring
	16	320-4608085	1	Valve housing
	17	320-4608083	1	Ball valve
	18	320-4608082	1	Rod
	19	80-4608024	2	Ring
	20	601T-1-06	1	Filtering element
	21		2	Ring 075-080-30-1-4 GOST 18829-73/9833-73
	22	220-4608060	1	Bowl

Left brake

Right brake

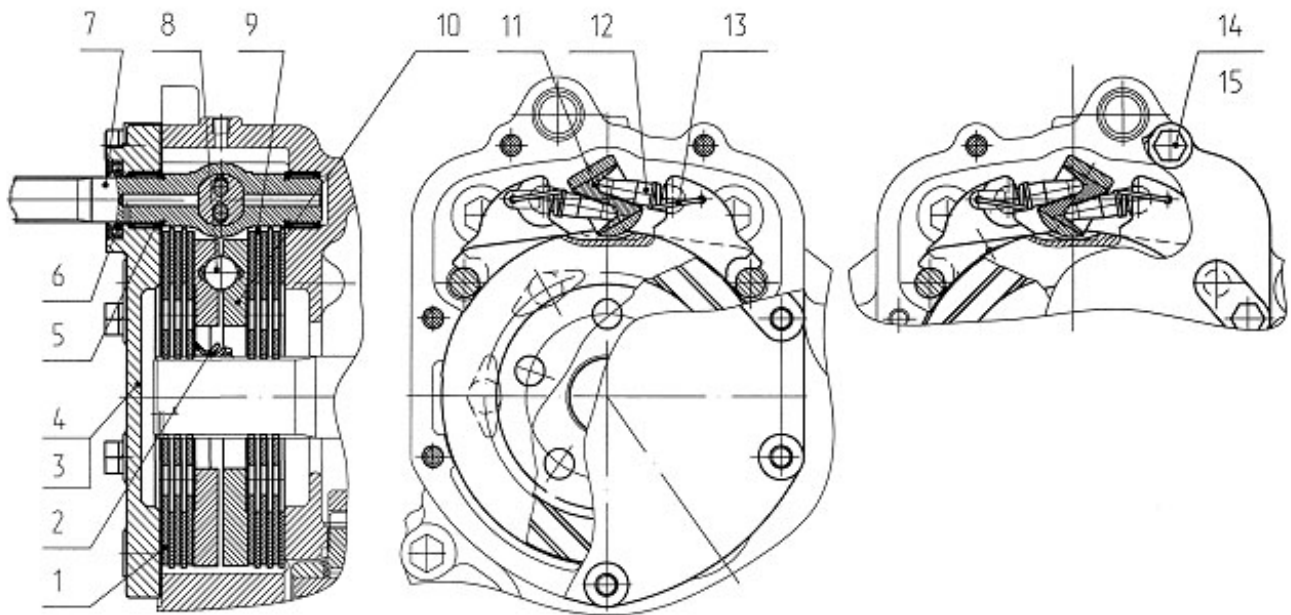


Fig. 35.1 Service brakes

Group 35. Brakes
Subgroup 3502. Service brakes

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
35.1		2022-3502010-02	1	Right brake (2022-3502030-01, 1, 3-7, 9, 11-15)
		2022-3502010-03	1	Left brake (2022-3502030-01, 1, 3-7, 9, 11-15)
		2022-3502030-01	2	Pressure discs (2, 8, 10)
	1	2022-3502015 or 2022-3502015-A	12	Friction plate
	2	77.38.163	8	Spring
	3	2022-3502002	2	Cover
	4	2022-3502003	2-8	Shim washer
	5		4	Bearing 942/30 GOST 4060-78
	6		2	Collar 2.2-30x52-1 GOST 8752-79/OST 38.09.146-78
	7	2022-3502031	2	Shaft
	8	22,225-100	12	Ball GOST 3722-81
	9	2022-3502014-01	10	Intermediate disc
	10	2022-3502036-03	4	Pressure plate
	11	1222-3502004	2	Cam
	12	1220-3502006	4	Pusher
	13	1220-3502007	4	Spring
	14	2022-3502009	6	Bolt
	15	14OT	6	Washer OST 37.001.115-75

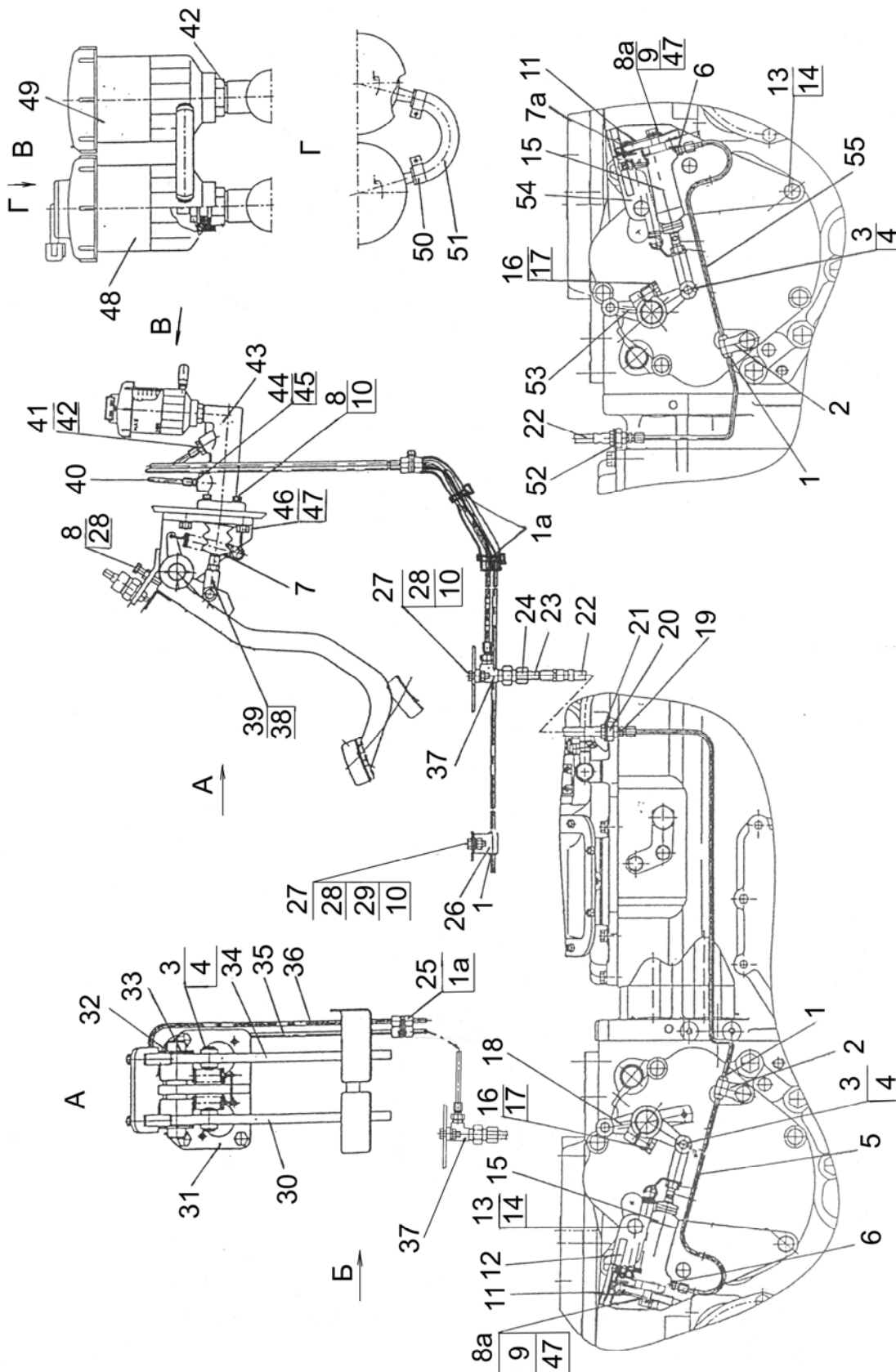


Fig. 35.2 Brake control

Group 35. Brakes
Subgroup 3503. Brake control

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
35.2	1	1522-2407317	3	Pipe
	1a	1522-3503703	2	Pipe
	2	70-4802045	2	Cleat
	3	3,2x18	4	Split pin
	4	12x32	4	Pin
	5	2022-3503270	1	Pipeline
	6	80-1701549	2	Fitting
	7	70-4616033 repl.	2	Spring
	7a	50-1310158-B	2	Spring
	8	M8x35	6	Bolt
	8a	M10x30	2	Bolt
	9	SCH10	2	Washer
	10	SHP8	9	Washer
	11	923-1602116	2	Eye
	12	2022-3503030-B-01	1	Right bracket
	13	2022-3502009-01	6	Bolt
	14	SHP14	6	Washer
	15	822-1602550-B-01	2	Operating cylinder
	16	M12x35	2	Bolt
	17	SHP12	2	Washer
	18	2022-3502045	1	Lever
	19	2022-3503082	2	Adapter
	20	M16x1,5	2	Nut
	21	SCH16	2	Washer
	22	923-3503200-01	2	Brakes flexible hose type IV
	23	923-3503221	2	Nipple
	24	D80-4607212	2	Nut
	25	80-3723045	3	Collar
	26	48-1104016	1	Clamp
	27	M8x25	5	Bolt
	28	M8	7	Nut
	29	SCH8	1	Washer d ₂ = 24 mm
	30	923-3503740	1	Left pedal
	31	923-3503720	1	Bracket
	32	5x36	2	Split pin
	33	50-3503071	2	Washer
	34	923-3503730	1	Right pedal
	35	1522-3503070	1	Pipeline
	36	1522-3503080	1	Pipeline
	37	822-3503105	2	Angle piece
	38	822-3502203	2	Yoke
	39	M10	2	Nut
	40	822-3503100	1	Pipeline
	41	822-3503083	2	Fitting
	42	D18-055-A	4	O-Ring
	43	«Carlisle» S73067386	2	Main cylinder
	44	822-3503084	2	Fitting
	45	36-1104788	2	Gasket
	46	M10x25	3	Bolt
	47	SHP10	5	Washer
	48	822-3503090-01	1	Tank

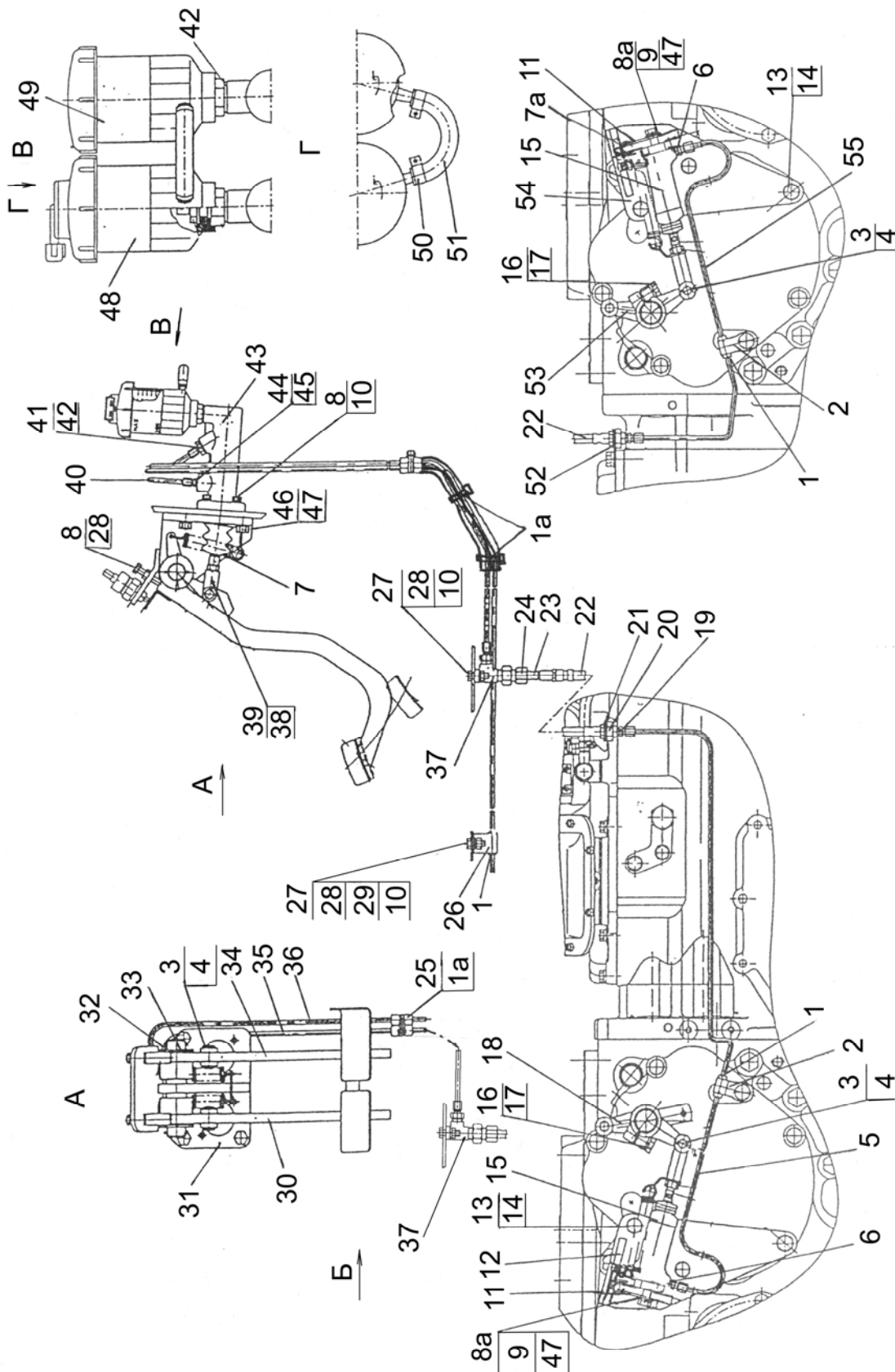


Fig. 35.2 Brake control

Group 35. Brakes
Subgroup 3503. Brake control

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
35.2	49	822-3503090	1	Tank
	50	12-22	2	Clamp with worm thread
	51	822-3503098	1	Hose
	52	2022-3503261	2	Plate
	53	2022-3502048	1	Left lever
	54	2022-3503030-B	1	Left bracket
	55	2022-3503280	1	Pipeline

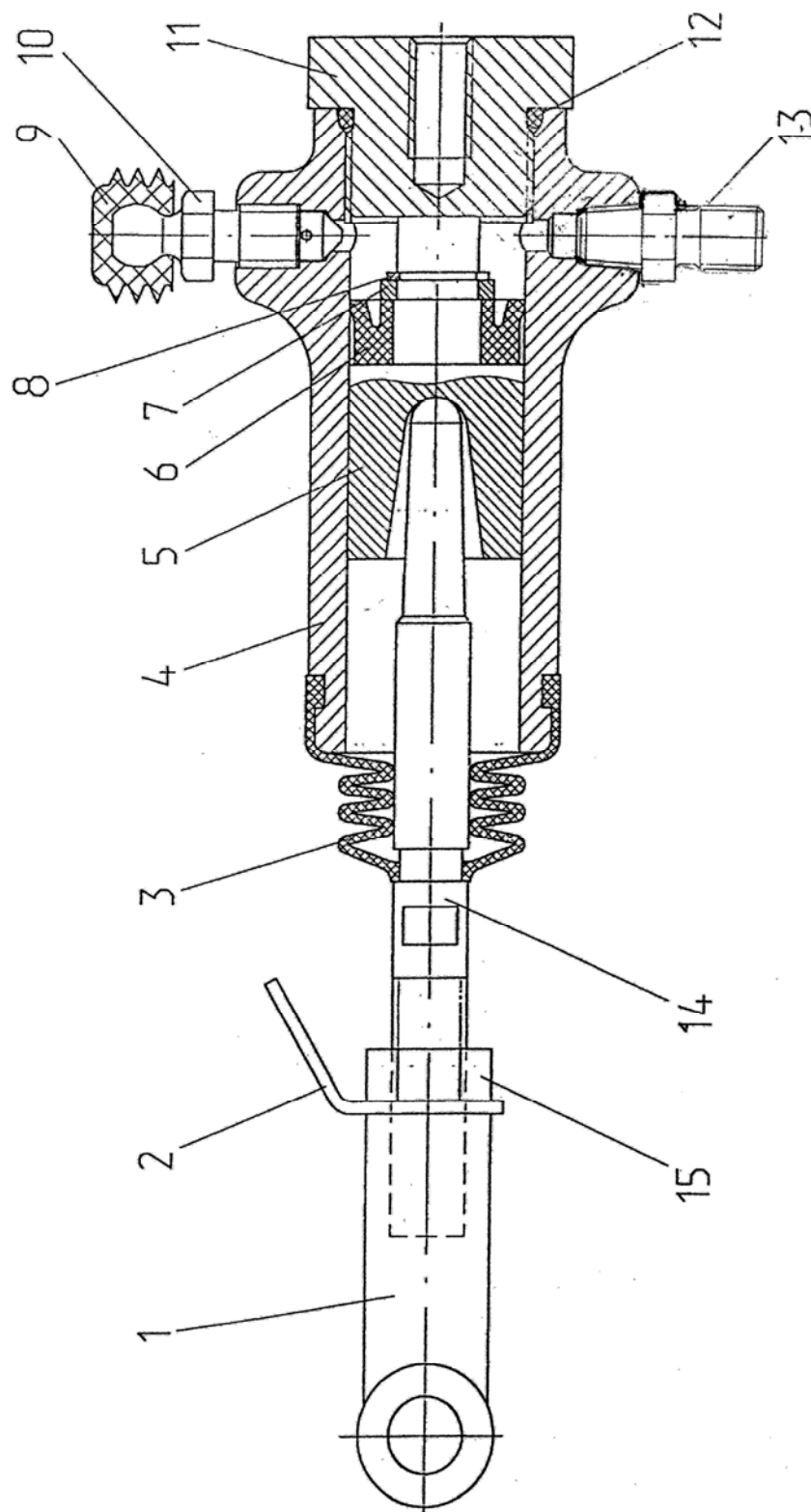


Fig. 35.3 Operating cylinder

Group 35. Brakes
Subgroup 3503. Operating cylinder 822-1602550-B-01

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
35.3		822-1602550-B-01	1	Operating cylinder
	1	50-3502203	1	Yoke
	2	80-1602116	1	Eye
	3	142-1602569	1	Boot
	4	1221V-1602551	1	Housing
	5	822-1602556-B	1	Piston
	6		1	Collar N14-102 (14x28x10) Simrit 85 EPDMV MOO 282
	7	1221V-1602517-B	1	Distance sleeve
	8	S13	1	Ring
	9	142-1602377	1	Cap
	10	142-1602371	1	Valve
	11	1221V-1602561	1	Cover
	12	OR EPOM 70 02700250	1	Rubber seal ring
	13	80-1701549	1	Fitting
	14	822-1602112	1	Rod
	15	M12x1,25	1	Nut

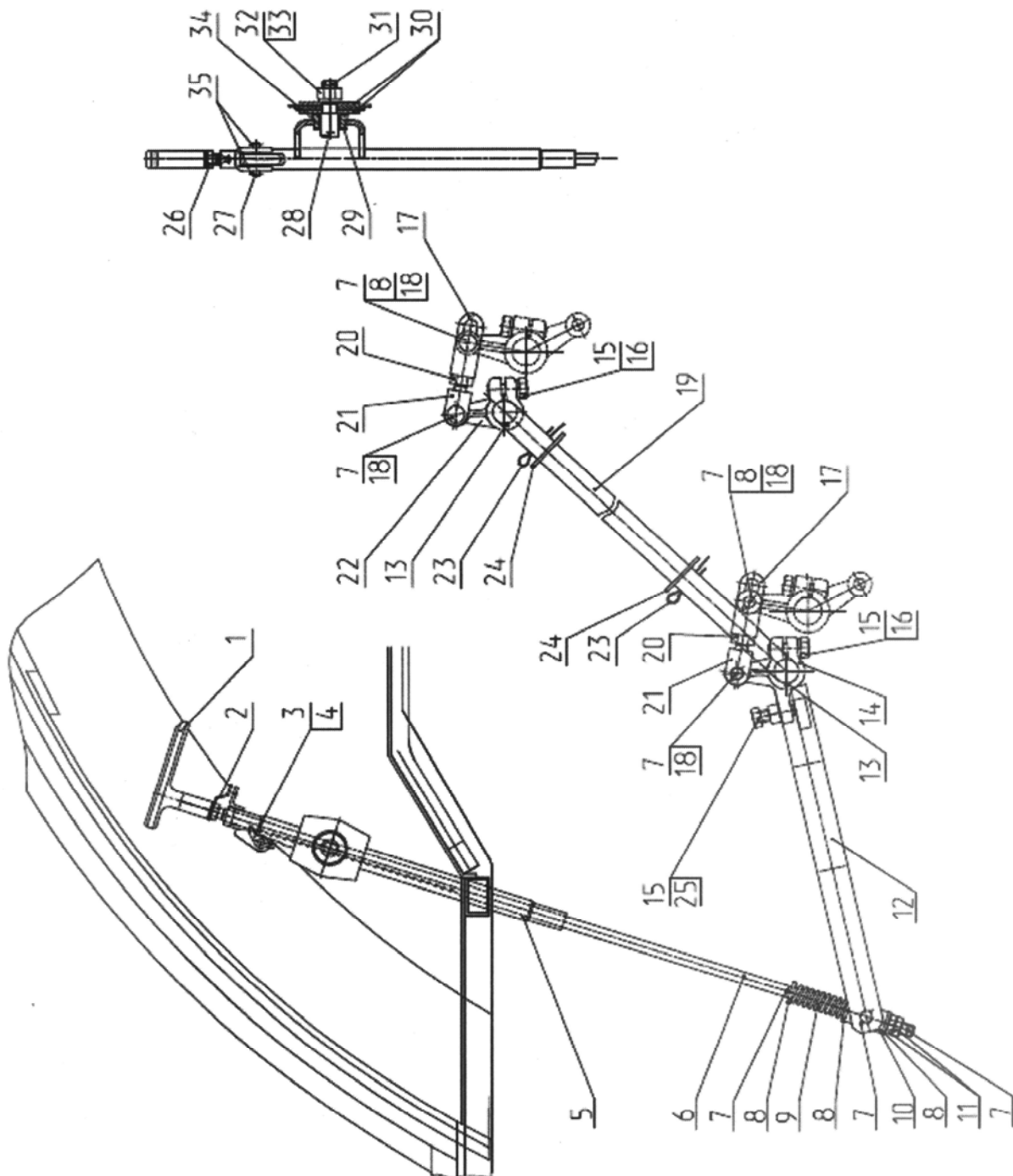


Fig. 35.4 Parking brake control

Group 35. Brakes
Subgroup 3503. Parking brake control

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
35.4		2022-3507010	1	Brake hand control (1-35)
		1522-3507020	1	Draw mechanism (1-6, 26-29, 31, 34, 35)
		2022-3507160	2	Rod (17, 20, 21)
	1	1522-3507021-A	1	Handle
	2	1522-3507023	1	Limit stop
	3	1522-3507022	1	Detent
	4	1522-3507024	1	Spring
	5	1522-3507030-A	1	Bracket
	6	1522-3507025	1	Rod
	7	4x25	7	Split pin
	8	SCH12	5	Washer
	9	77.55.230	1	Spring
	10	1522-3507012	1	King journal
	11	M12x1,25	2	Nut
	12	2022-3507040	1	Lever
	13	SSH-611	2	Key
	14	2022-3507044	1	Left lever
	15	M12-35	3	Bolt
	16	SHP12	2	Washer
	17	2022-3507162	2	Yoke
	18	12x32	4	Pin
	19	2022-3507015	1	Shaft
	20	M12x1,25	2	Nut
	21	1021-3507161-01	2	Rod
	22	2022-3507049	1	Right lever
	23	5x36	2	Split pin
	24	50-3503071	2	Washer
	25	M12	1	Nut
	26	52-2203013	1	Nut
	27	1522-3507029	1	Pin
	28	4x25	1	Split pin
	29	SCH18	1	Washer
	30	1522-3507013	2	Washer
	31	1522-3507038	1	Axle
	32	M14x1,5	1	Nut
	33	SHP14	1	Washer
	34	1522-3507028	1	Bushing
	35	1,6x12	2	Split pin

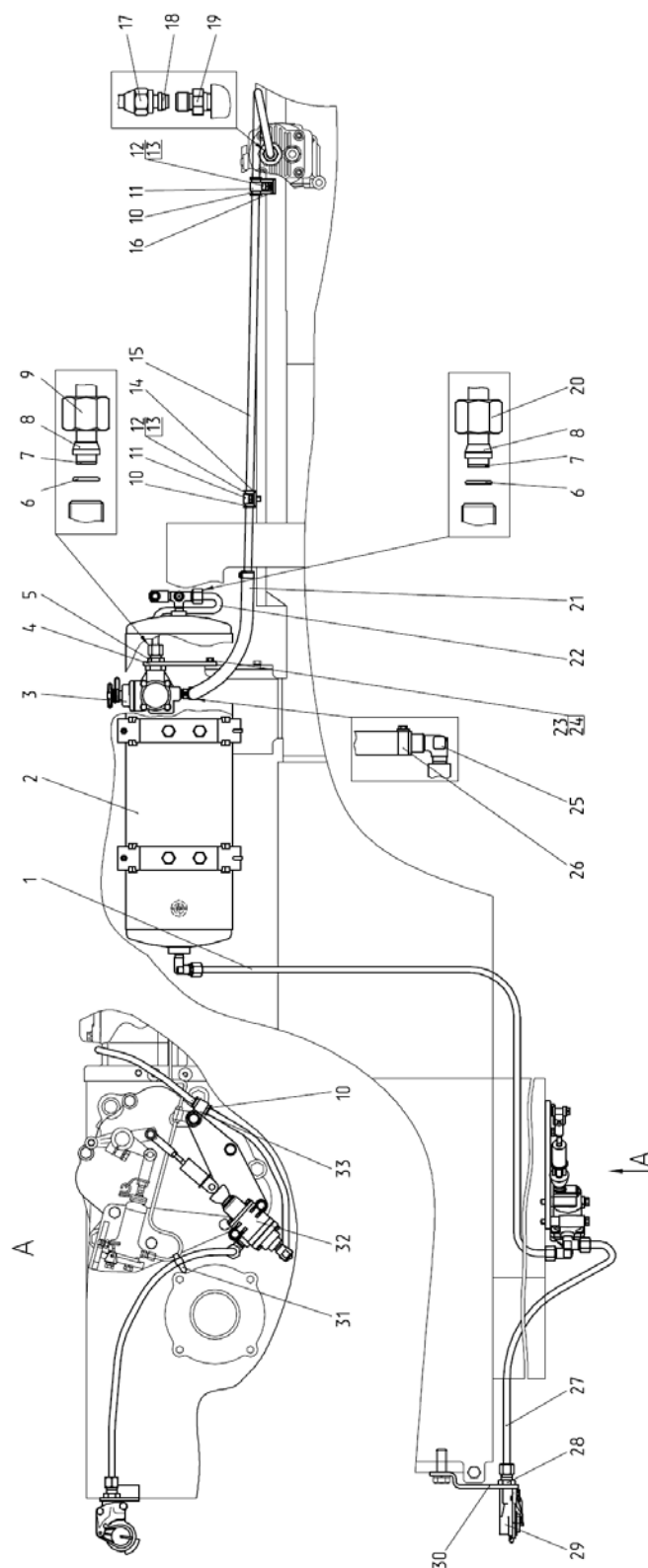


Fig. 35.5 Pneumatic drive (single-line)

Group 35. Brakes
Subgroup 3506. Pneumatic drive (single-line)

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
35.5		2022.4-3506005	1	Pneumatic drive
		1021-3506020-03	1	Pipeline (1,7, 8, 20)
		1523.4-3506010	1	Pipeline (15, 17, 18)
		1522-3506020	1	Pipeline (7-9, 20, 22)
		1522M-3506040	1	Pipeline (7, 8, 20, 27)
	1	1021-3506021-03 [1]	1	Pipe
	2	2022-3513005	1	Cylinder (Fig.35.7)
	3	A29.51.000 B or 80-3512010 or 11.3512010-30	1	Pressure regulator
	4	1522-3512012	1	Bracket
	5	80-3512006	1	Locknut
	6		6	Ring 012-015-19-2-4 GOST 18829-73/GOST 9833-73
	7	1522-3506022	6	Nipple
	8	1522-3506024	6	Coupling
	9	1522-3506026	1	Sleeve nut
	10	70-3506027	3	Bushing
	11	1321-8700031	2	Clamp
	12		2	Bolt M10-6gx16.88.35.019 GOST 7796-70
	13		2	Washer 10 OT OST 37.001.115-75
	14	1221M-3506012	1	Strip
	15	1523.4-3506011	1	Pipe
	16	1523.4-3506012	1	Strip
	17	70-3506023	1	Sleeve nut
	18	80-3506024	1	Coupling
	19	70-3506022	1	Fitting
	20	1522-3506023	5	Sleeve nut
	21	1523.4-3506014	1	Hose
	22	1522-3506021	1	Pipe
	23		2	Bolt M8-6gx30.88.35.019 GOST 7796-70
	24		2	Washer 8T OST 37.001.115-75
	25	70-3513015	1	Angle piece
	26	5000.02	2	Clamp with worm thread 16-27
	27	1522M-3506041	1	Pipe
	28	1522-3521012	1	Fitting
	29	A29.76.000 or 80-3521010 or 12.3521010-01		Coupling head
	30	1522-3521011 [2]	1	Bracket
	31	80-3723045	1	Collar
	32	2022-3514005	1	Brake valve (Fig.35.8)
	33	70-4802045	1	Cleat

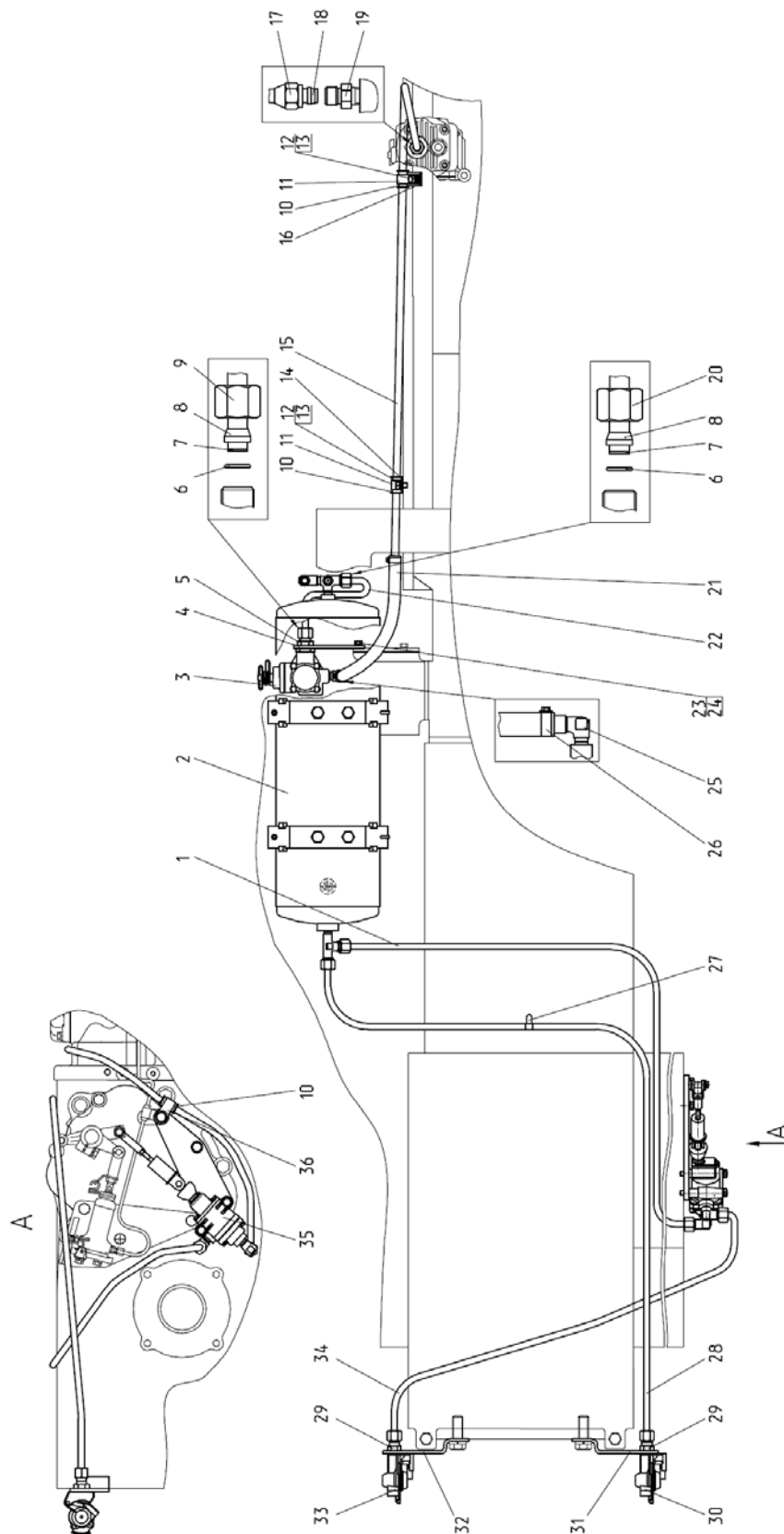


Fig. 35.6 Pneumatic drive (double-line)

Group 35. Brakes
Subgroup 3506. Pneumatic drive (double-line)

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
35.6		2022.4-3506505	1	Pneumatic drive
		1021-3506020-03	1	Pipeline (1,7, 8, 20)
		1523.4-3506010	1	Pipeline (15, 17, 18)
		1522-3506020	1	Pipeline (7-9, 20, 22)
		1025-3506560-02	1	Pipeline (7, 8, 20, 28)
		2022D-3506020	1	Pipeline (7, 8, 20, 34)
	1	1021-3506021-03 [1]	1	Pipe
	2	2022-3513005-01	1	Cylinder (Fig.35.7)
	3	A29.51.000 B or 80-3512010 or 11.3512010-30	1	Pressure regulator
	4	1522-3512012	1	Bracket
	5	80-3512006	1	Locknut
	6		8	Ring 012-015-19-2-4 GOST 18829-73/GOST 9833-73
	7	1522-3506022	8	Nipple
	8	1522-3506024	8	Coupling
	9	1522-3506026	1	Sleeve nut
	10	70-3506027	3	Bushing
	11	1321-8700031	2	Clamp
	12		2	Bolt M10-6gx16.88.35.019 GOST 7796-70
	13		2	Washer 10 OT OST 37.001.115-75
	14	1221M-3506012	1	Strip
	15	1523.4-3506011	1	Pipe
	16	1523.4-3506012	1	Strip
	17	70-3506023	1	Sleeve nut
	18	80-3506024	1	Coupling
	19	70-3506022	1	Fitting
	20	1522-3506023	7	Sleeve nut
	21	1523.4-3506014	1	Hose
	22	1522-3506021	1	Pipe
	23		2	Bolt M8-6gx30.88.35.019 GOST 7796-70
	24		2	Washer 8T OST 37.001.115-75
	25	70-3513015	1	Angle piece
	26	5000.02	2	Clamp with worm thread 16-27
	27	80-3723045	1	Collar
	28	1025-3506561-02	1	Pipe
	29	1522-3521513	2	Fitting
	30	64226-3521110 or 14.3521410-20	1	Coupling head
	31	1522-3521511	1	Bracket
	32	1522-3521512	1	Bracket
	33	64226-3521111 or 14.3521411-20	1	Coupling head
	34	2022D-3506021	1	Pipe
	35	2022-3514005-02	1	Brake valve (Fig.35.8)
	36	70-4802045	1	Cleat

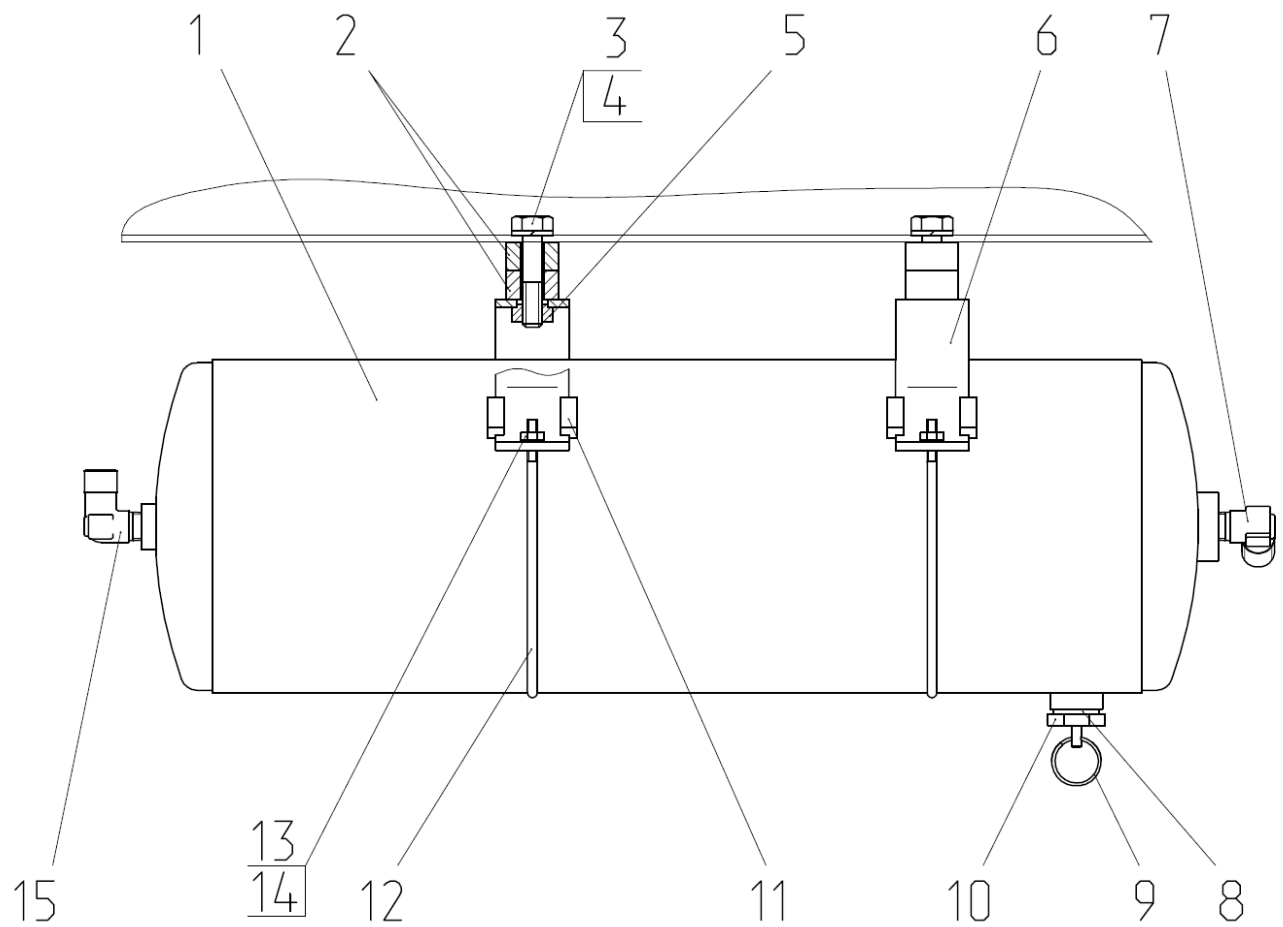


Fig 35.7 Cylinder

**Group 35.Brakes
Subgroup 3513. Cylinder**

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
35.7		2022-3513005* 2022-3513005-01**	1	Cylinder (1-15)
	1	50-3513015-A	1	Cylinder
	2	1522-3513012	8	Bushing
	3		4	Bolt M10-6gx65.88.35.019 GOST 7795-70
	4		4	Washer 10 OT OST 37.001.115-75
	5	1522-3513011	4	Nut
	6	V50-3513025-A [3]	2	Bracket
	7	1522-3514033*	1	Angle piece
		1522-3513551**	1	T-piece
	8	4600.21	1	Washer RM22
	9	H50-4202146	1	Ring
	10	85-3513110	1	Valve
	11	PR-43-01	4	Sealant
	12	V50-3513032	2	Clamp
	13		2	Nut M6-6H.6.019 GOST 5915-70
	14		2	Washer 6T OST 37.001.115-75
	15	1021-3513015	1	T-piece

* For single-line pneumatic drive.

** For double-line pneumatic drive.

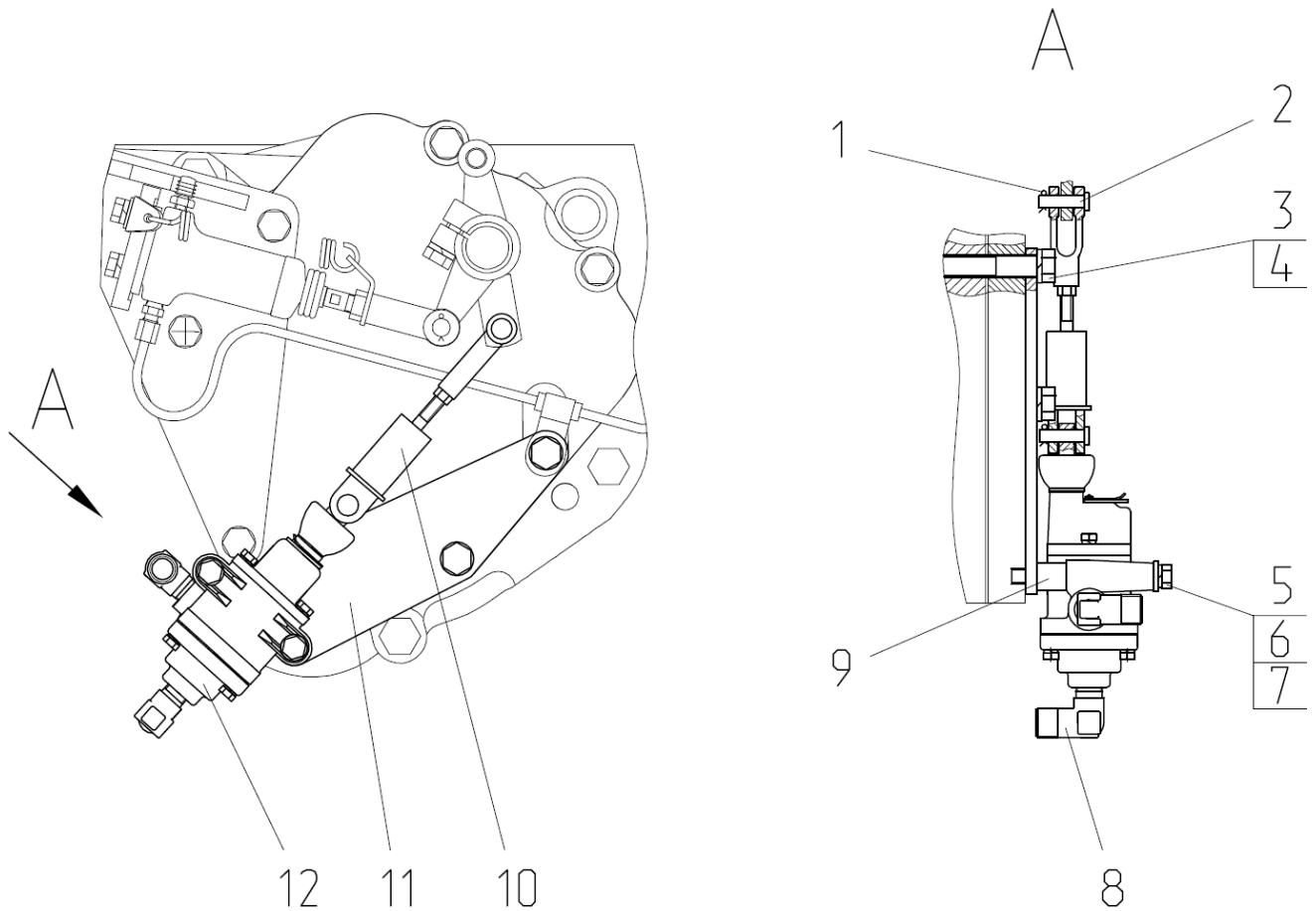


Fig. 35.8 Brake valve

Group 35.Brakes
Subgroup 3514. Brake valve

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
35.8		2022-3514005*	1	Brake valve (1-12)
		2022-3514005-02**	1	Brake valve (1-12)
	1		2	Split pin 3,2x18.019 GOST 397-79
	2		2	Pin 8x30 OST 37.001.163-97
	3	2022-3502009-01	2	Bolt
	4		2	Washer 14 OT OST 37.001.115-75
	5		2	Bolt M10-6gx100.58.019 GOST 7795-70
	6		2	Washer S 10.01.019 GOST 6958-78
	7		2	Washer 10 OT OST 37.001.115-75
	8	1522-3514033	2	Angle piece
	9	85-3514012	2	Boss
	10	2022-3514010	1	Rod
	11	2022-3514021	1	Bracket
12		A29.351.4010* or 80-3514010-02*	1	Brake valve
		A29.351.4010-02** or 80-3514010-02**	1	Brake valve

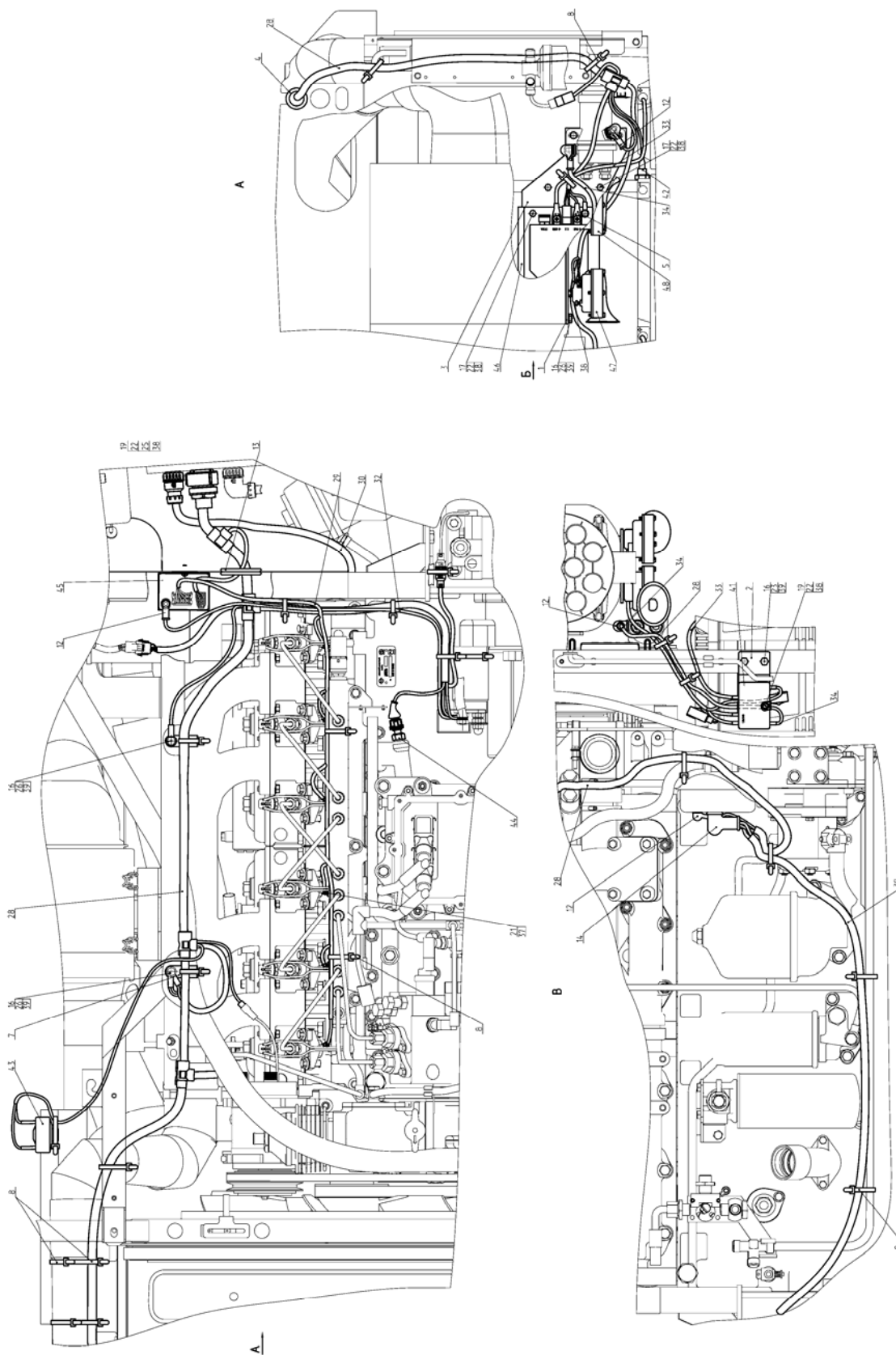


Fig. 37.1 Engine electrical equipment

Group 37. Electrical equipment
Subgroup 3700. Engine electrical equipment

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
37.1		2422-3700030	1	Engine electrical equipment
	1	2022.5-3721010	1	Bracket
	2	2422-3722001	1	Bracket plate
	3	2422-3747001	1	Bracket plate
	4	50-4607064	1	Bushing
	5	70-3723035	2	Lug
	7	80-3723016	2	Bracket
	8	80-3723045-01	24	Collar
	12	54.24.445-B	4	Lug
	13	H50-4607102	1	Bushing
	14	TM-59-6000-38	1	Rubber tip
	16		6	Bolt M8-6gx16.88.35.019 GOST 7796-70
	17		4	Bolt M6-6gx16.88.35.019 GOST 7798-70
	19		3	Screw V.M6-6gx20.58.019 GOST 17473-80
	21		6	Nut M5-6H.6.019 GOST 5915-70
	22		7	Nut M6-6H.6.019 GOST 5915-70
	23		4	Nut M8-6H.6.019 GOST 5915-70
	25		1	Washer S.6.01.019 GOST 11371-78
	26		4	Washer S.8.01.019 GOST 11371-78
	28		1	Bundled cable 2422-3724360-V GOST 23544-84
	29		1	Bundled cable 1221-3724380-B GOST 23544-84
	30		1	Bundled cable 925-3724045 GOST 23544-84
	32		2	Cable 80-3724381-B GOST 23544-84
	33		1	Cable 920-3724368-B GOST 23544-84
	34		1	Cable 1025.4-3724367-B GOST 23544-84
	37		6	Washer 5 T OST 37.001.115-75
	38		9	Washer 6 T OST 37.001.115-75
	39		6	Washer 8T OST 37.001.115-75
	41		1	Fuse block BP-11-07 TU RB 03428193.095-97
	42		1	Sensor DADM-03 TU RB 07513211.004-94 or Emergency pressure sensor MM111D-3810600-01 TU 37.003.546-76
	43		1	Sensor DSF-65 TU RB 07513211.003-94
	44		1	Temperature sensor 233.3828 TU 37.459.259-00
	45		1	Control unit 11.760.150 or Controllers of heating plugs KSH-1.3761-112 TU BY 190431397.012-2010
	46		1	Voltage converter
	47		1	Signal S-308 TU 37.003.1063-81
	48		1	Signal S-309 TU 37.003.1063-81



159

Group 37. Electrical equipment
Subgroup 3700. Transmission electrical equipment

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
37.2	1	2022-3723011	2	Bracket
	2	80-3723016	2	Bracket
	3	822-3723001	1	Clip
	4	80-3723045-01	20	Collar
	6	80-3843001-01	12(max. q-ty)	Gasket
	8	85-1702051	1	Washer
	9	D18-055-A	1	O-Ring
	11		4	Bolt M8-6gx25.88.35.019 GOST 7796-70
	12		2	Bolt M8-6gx30.88.35.019 GOST 7796-70
	14		2	Washer S.10.01.019 GOST 11371-78
	15		2	Washer S.14.01.019 GOST 11371-78
	18		1	Transmission bundled cable 2422-3724315 GOST 23544-84
	19		6	Washer 8T OST 37.001.115-75
	21	3829.20	1	Pressure sensor DD-10-01M TU RB 600417525.009-2000 or Pressure sensor FCCO10 TU 236.915.048-06
	22	3829.30	1	Pressure sensor DD-20M TU RB 600417525.009-2000 or Pressure sensor FCCO20 TU 236.915.048-06
	23	3829.25	1	Sensor DADV TU RB 07513211.004-94 or sensor MM124D-3810600 TU 37.003.546-76
	24	3843.15	3	Sensor RM71.3843-02 TU BY 190245592.001-2006 "OOO, "AVTOMASHPRIBOR", Minsk or speed sensor AR71.3843-02 TU AR 3843.002-00 or speed sensor 453843.001 TU BY 100346861.072-2009 or RPM sensor DCHO-01.3843 TU VY 300044189.120-2010 or sensor RM71.3843-02M TU VY 100179439.004-201, "NPCHUP YASMA", Minsk

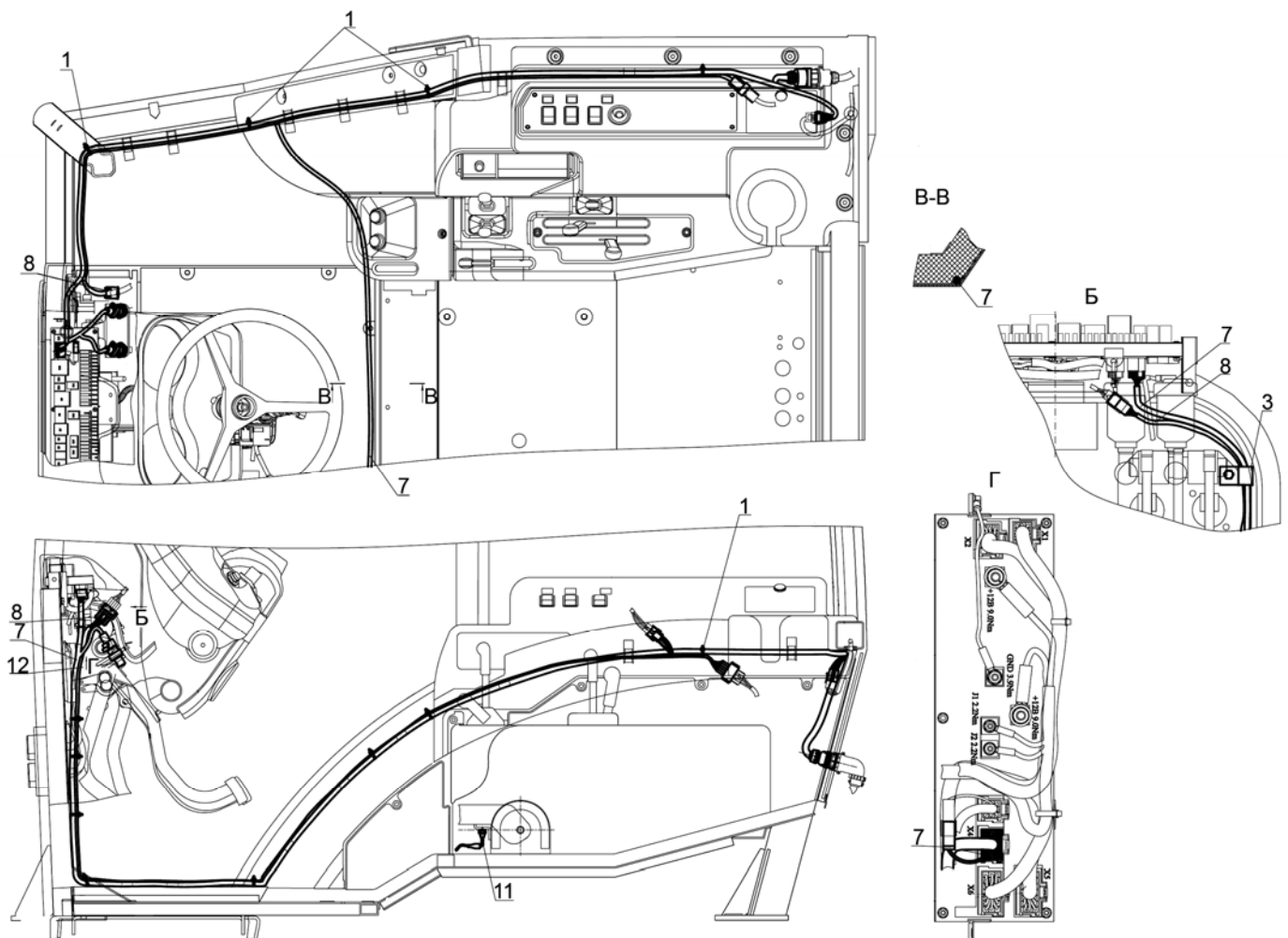


Fig. 37.3 Cab electrical equipment

Group 37. Electrical equipment
Subgroup 3700. Cab electrical equipment

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
37.3		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	Stop signal switch

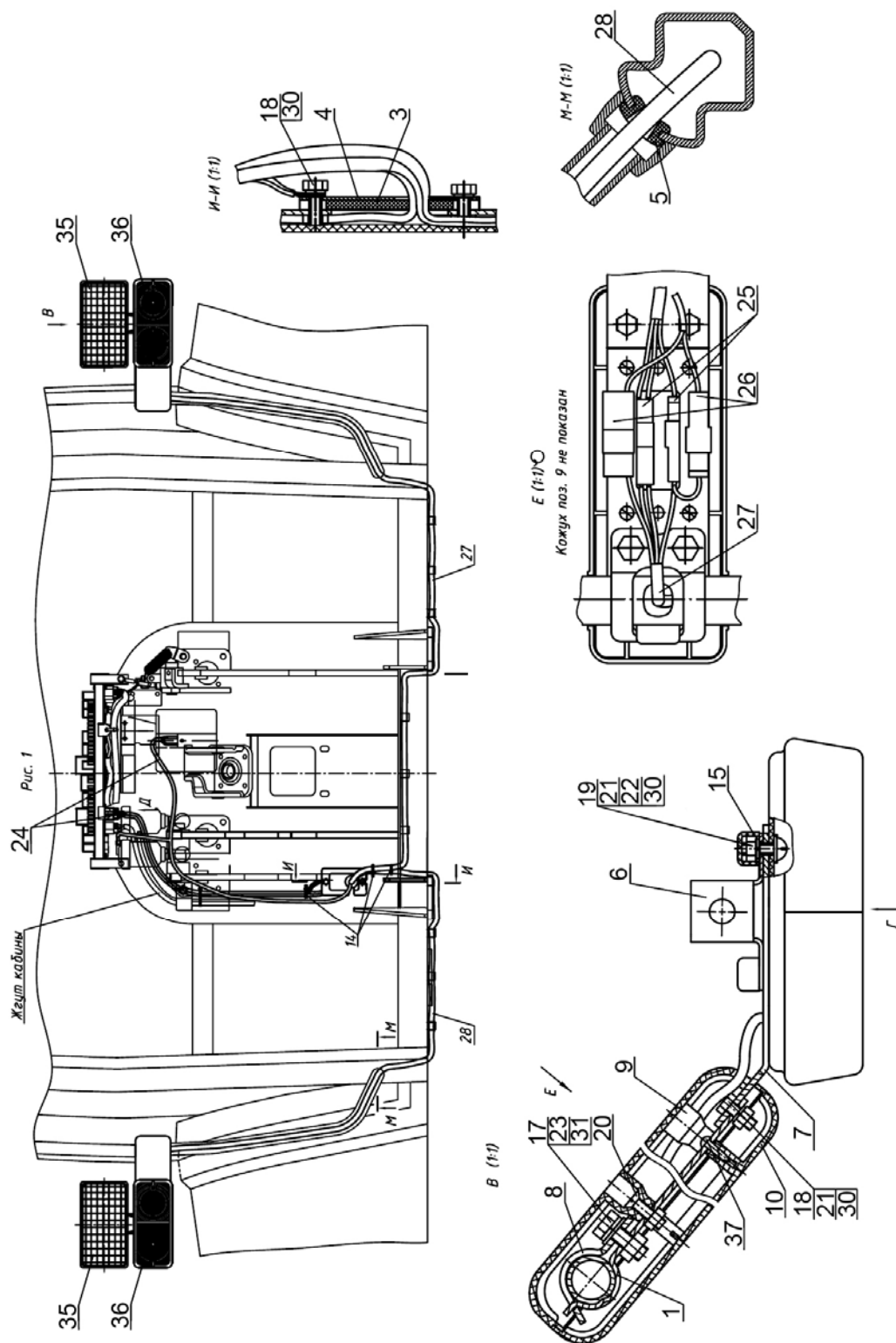


Fig. 37.4 Front lamps assembly

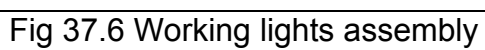
Group 37. Electrical equipment
Subgroup 3700. Front lamps assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
37.4		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 M8-6gx16.88.35.019 GOST 7796-70
	18		6	Bolt M6-6gx18.88.35.019 GOST 7798-70
	19		4	Screw V.M6-6gx25.58.019 GOST 17473-80
	20		4	Screw V.M6-6gx18.58.019 GOST 17475-80
	21		8	Nut M6-6H.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	Headlamp 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 4x16.019 TU BY 400024166.016-2009

Fig. 37.5 Rear lamps assembly

Group 37. Electrical equipment
Subgroup 3723. Rear lamps assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
37.5		1222-3700060	1	Rear lamps assembly
	1	1222-3731003	2	Bracket
	2	923-3716011	1	Bracket
	4	1523-3723041	1	Bracket
	8	70-1115012-04	2	Clamp
	9	80-6708904	2	Gasket
	12	54.24.445-B	1	Lug
	18		4	Bolt M6-6gx12.88.35.019 GOST 7798-70
	21		6	Screw V.M6-6gx16.58.019 GOST 17473-80
	22		4	Screw V.M6-6gx25.58.019 GOST 17473-80
	23		3	Screw V.M5-6gx35.58.019 GOST 17475-80
	25		12	Nut M6-6H.6.019 GOST 5915-70
	27		3	Nut M5-6H.6.019 GOST 5927-70
	29		1	Rear lamps bundled cable 923-3724160-B GOST 23544-84
	30		1	Trailer socket bundled cable 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



Group 37. Electrical equipment
Subgroup 3700. Working lights assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
37.6		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 M8-6gx20.88.35.019 GOST 7796-70
	20		2	Bolt M6-6gx16.88.35.019 GOST 7798-70
	21		2	Bolt M6-6gx25.58.35.019 GOST 7798-70
	22		2	Nut M6-6H.6.019 GOST 5915-70
	23		2	Nut M8-6H.6.019 GOST 5915-70
	24		6	Nut M5-6H.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	Change switch P150M-25.52 TU RB 14795799.001-97 or Change switch PK150-25.52 TU BY 600066646.111-2009
	44		1	Change switch P150M-25.16 TU RB 14795799.001-97 or Change switch PK150-25.16 TU BY 600066646.111-2009
	45		1	Change switch P150M-07.28 TU RB 14795799.001-97 or Change switch PK150-07.28 TU BY 600066646.111-2009
	46		1	Flood-lamp lightening 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 4x10.019 TU RB 400024166.001-2000
	50		3	Roadtrain lamp

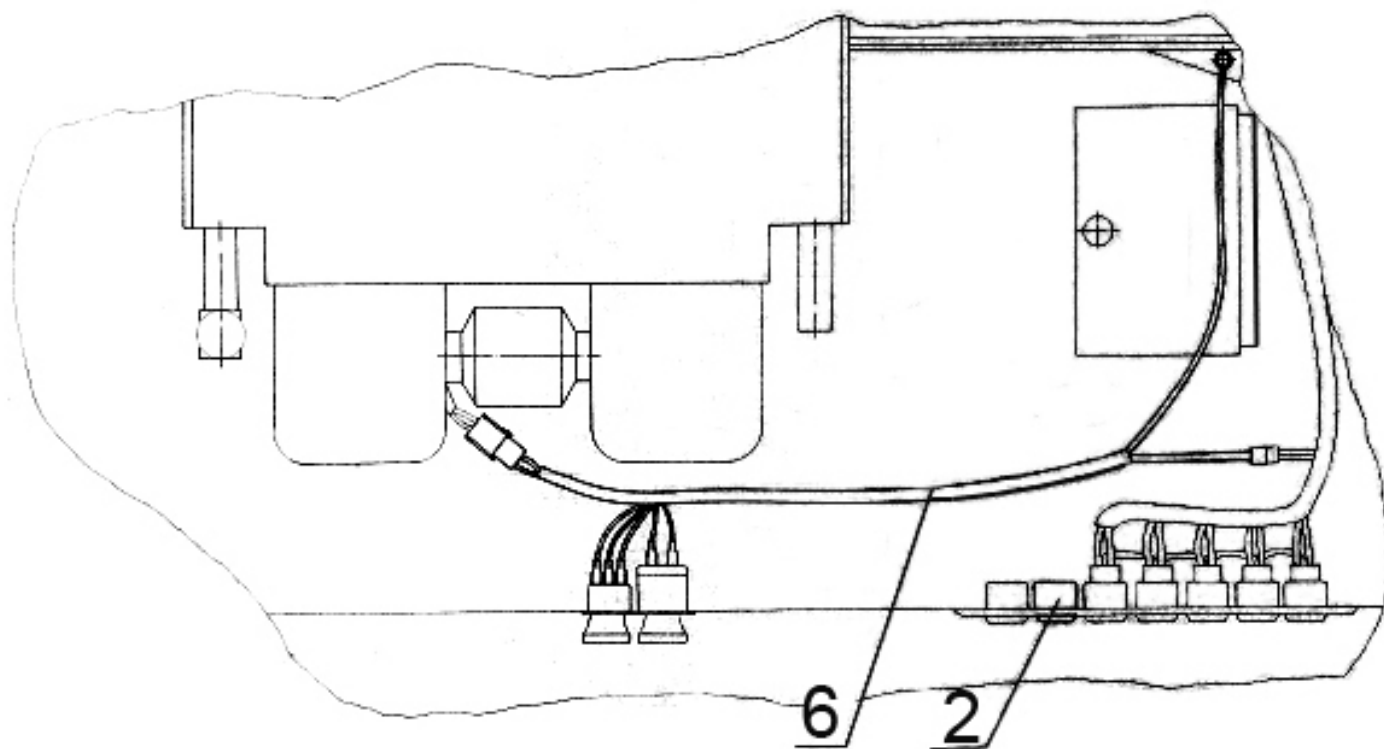


Fig. 37.7 Heater electrical equipment

Group 37. Electrical equipment
Subgroup 3700. Heater electrical equipment

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
37.7		925-3700090	1	Heater electrical equipment
	2	80-3801327	1	Blind plug
	6		1	Bundled cable 925-3724355 GOST 23544-84

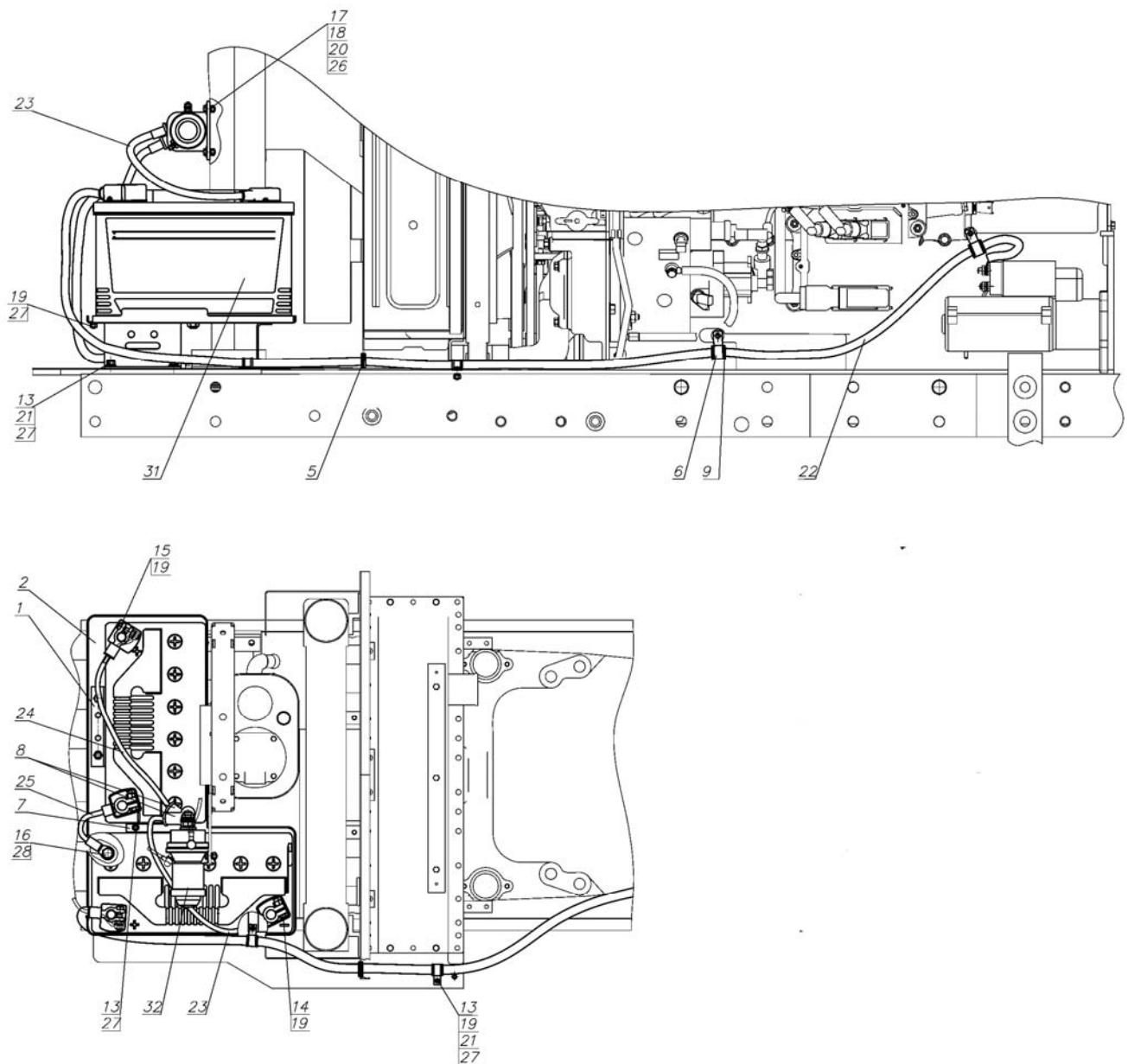


Fig. 37.8 Storage battery assembly

Group 37. Electrical equipment
Subgroup 3724. Accumulator battery assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
37.8		2422-3700080	1	Storage battery assembly
	1	80V-3703020-02	1	Hold-down clamp
	2	920-3703010-B-01	1	Base
	5	320-3407004	1	Bushing
	6	923-3723012	4	Clamp
	7	80V-3703012-01	1	Hold-down clamp
	8	TM-59-6000-38	2	Rubber tip
	9	PPR-50-01	4	Profile
	13		9	Bolt M8-6gx20.88.35.019 GOST 7796-70
	14		2	Bolt M8-6gx30.88.35.019 GOST 7796-70
	15		2	Bolt M8-6gx35.88.35.019 GOST 7796-70
	16		1	Bolt M12-6gx30.88.35.019 GOST 7796-70
	17		2	Bolt M6-6gx20.58.35.019 GOST 7798-70
	18		2	Nut M6-6H.6.019 GOST 5915-70
	19		7	Nut M8-6H.6.019 GOST 5915-70
	20		2	Washer S 6.01.019 GOST 6958-78
	21		7	Washer S 8.01.019 GOST 6958-78
	22		1	Cable 2022-3724041-B GOST 23544-84
	23		1	Cable 923-3724042 GOST 23544-84
	24		1	Cable 1221V-3724044-B GOST 23544-84
	25		1	Cable 1221V-3724075 GOST 23544-84
	26		2	Washer 6 T OST 37.001.115-75
	27		11	Washer 8T OST 37.001.115-75
	28		1	Washer 12 OT OST 37.001.115-75
	31		2	Accumulator battery 12V 120 Ah or Accumulator battery 12V 125 Ah
	32		1	Switch 1212.3737-06 TU RB 07513211.006-97

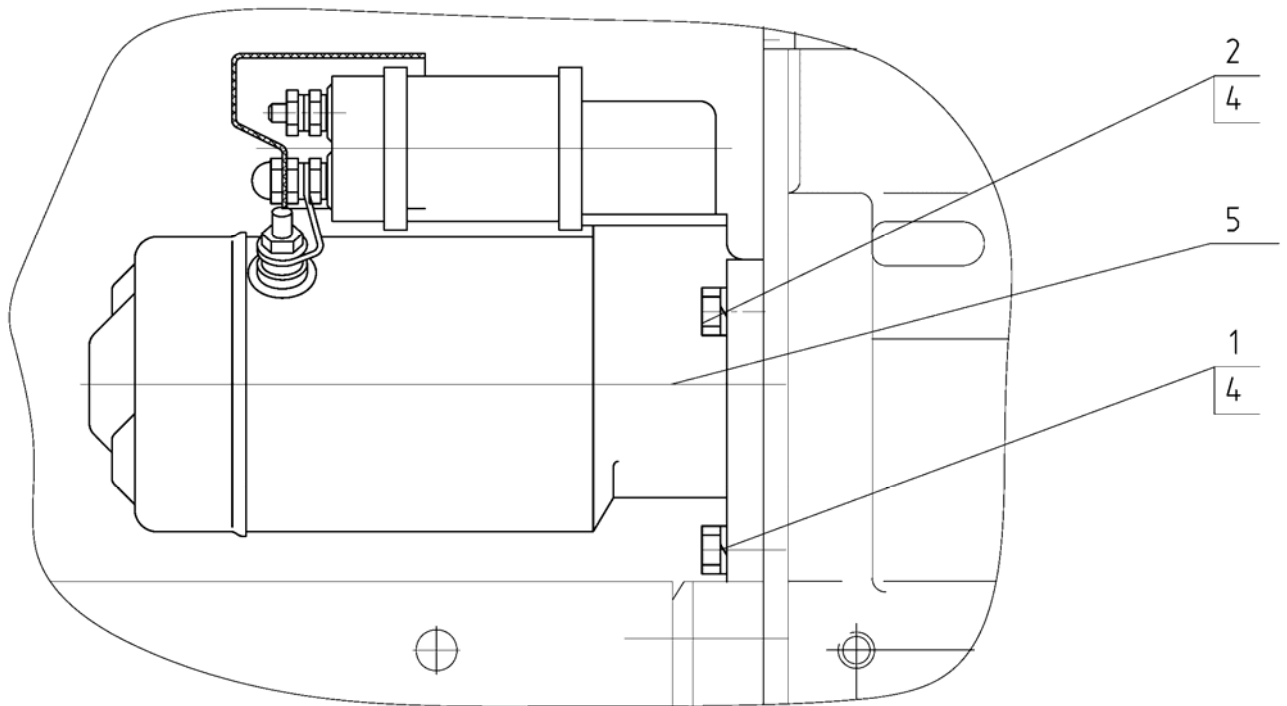


Fig. 37.9 Starter assembly

Group 37. Electrical equipment
Subgroup 3708. Starter assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
37.9		80-3708010	1	Starter assembly
	1		2	Bolt M12-6gx30.88.35.019 GOST 7796-70
	2		1	Bolt M12-6gx45.88.35.019 GOST 7796-70
	4		3	Washer 12 OT OST 37.001.115-75
	5		1	Starter AZF 4617

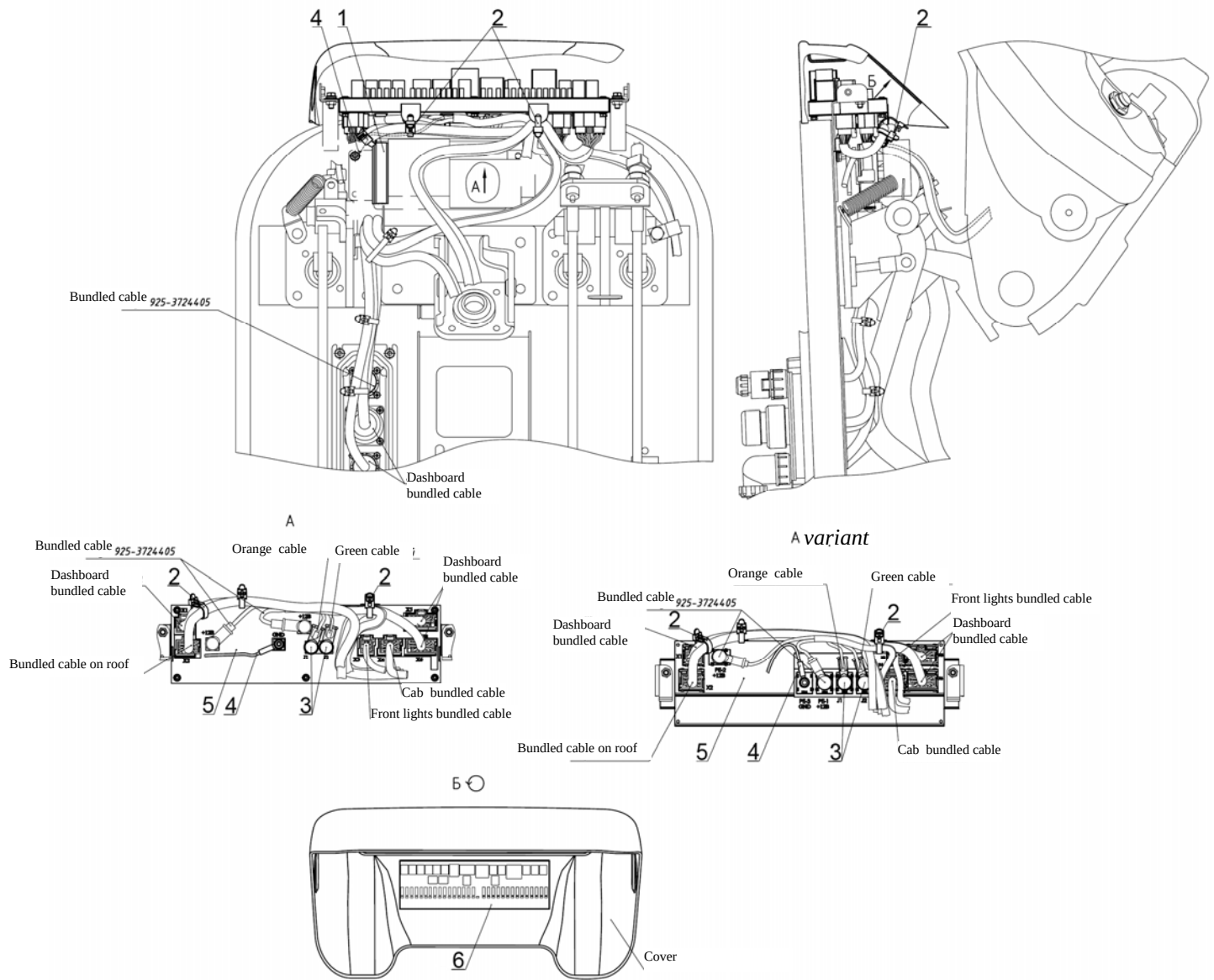


Fig. 37.10 Switching unit

Group 37. Electrical equipment
Subgroup 3722. Switching unit

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
37.10		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	Lug
	4	80-3724134	1	Cable
	5	3722.75.02 or	1	Unit BKA-7.3722-02
		3722.75.01	1	Unit 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)

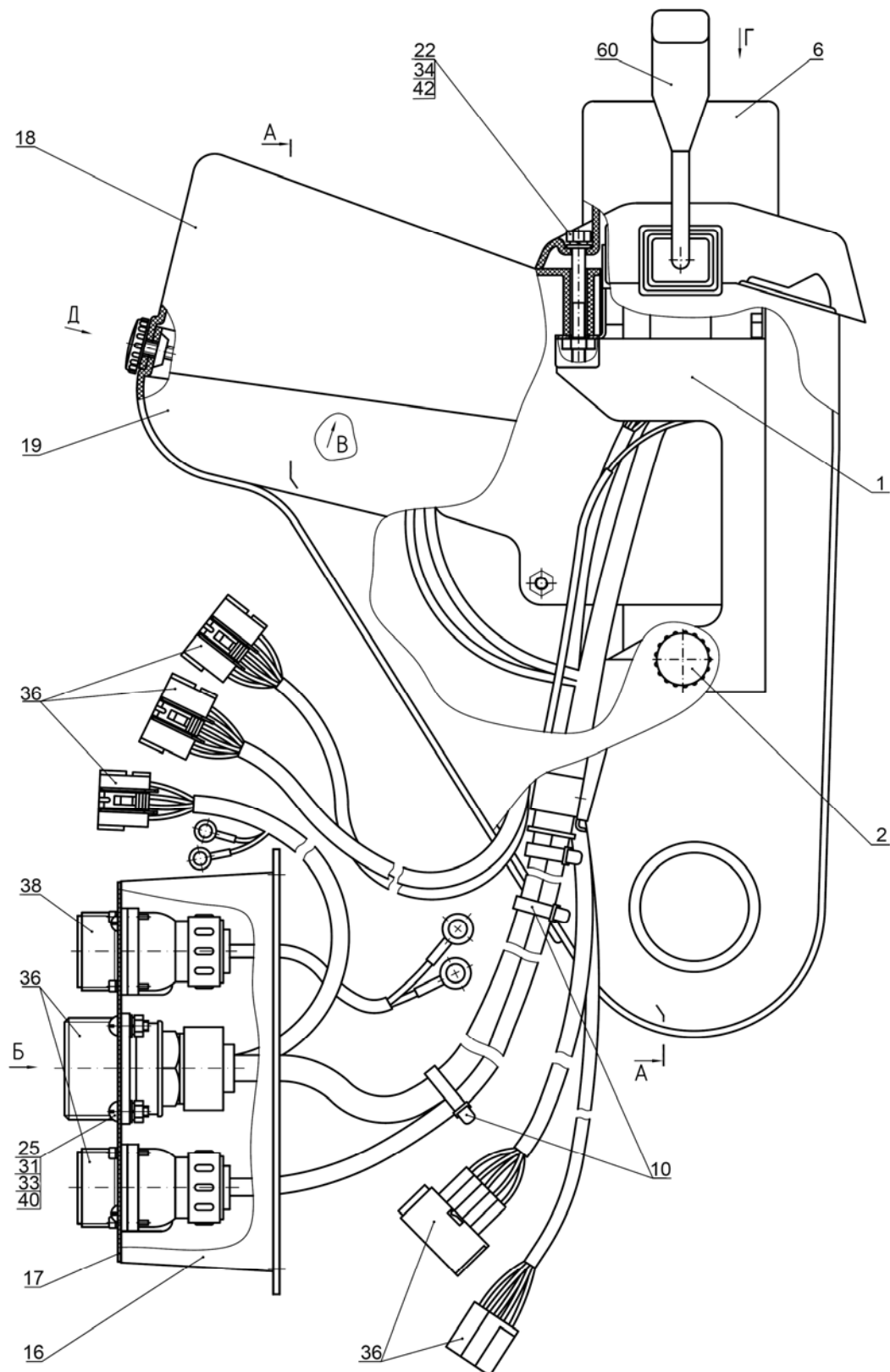


Fig. 38.1 Dashboard

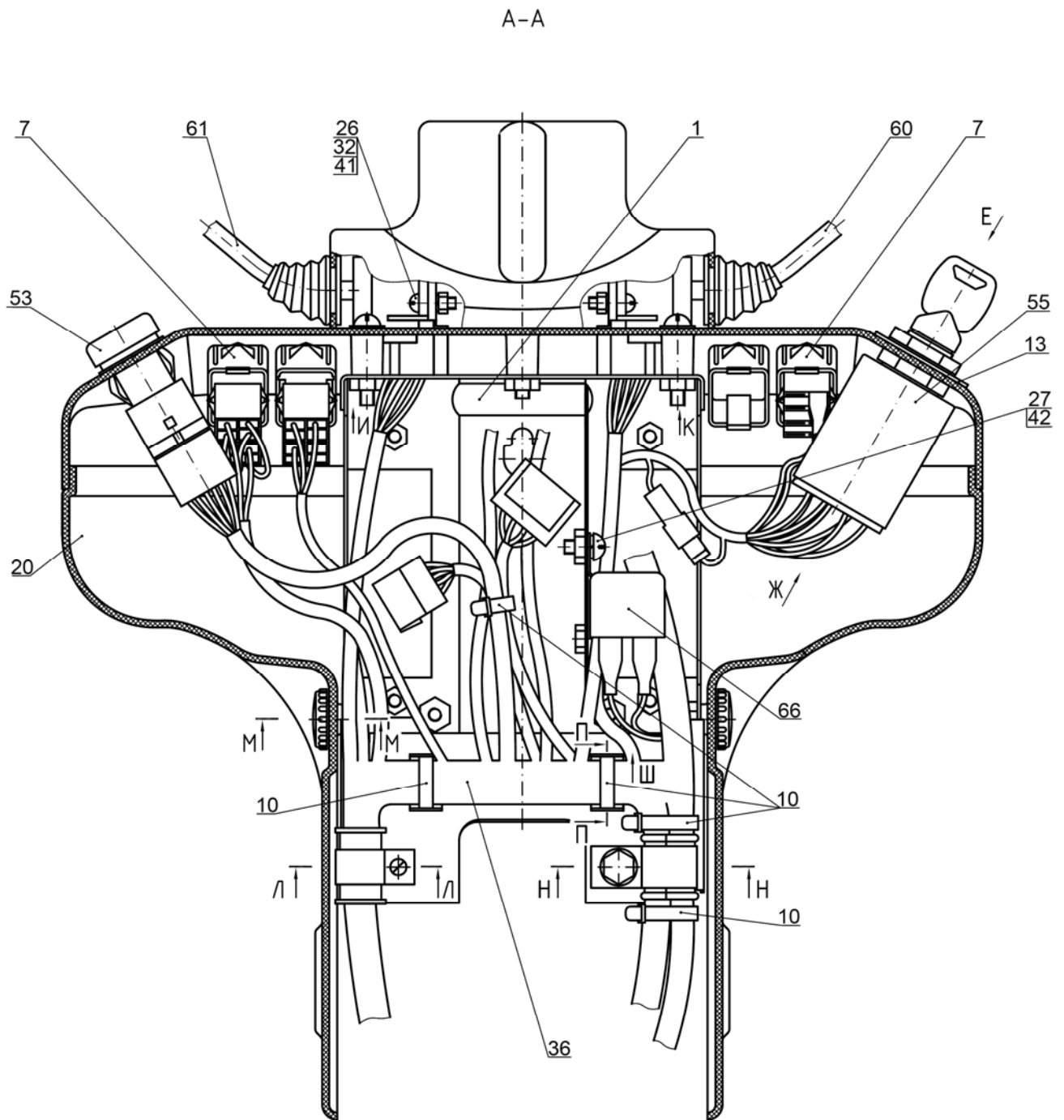


Fig. 38.2 Dashboard

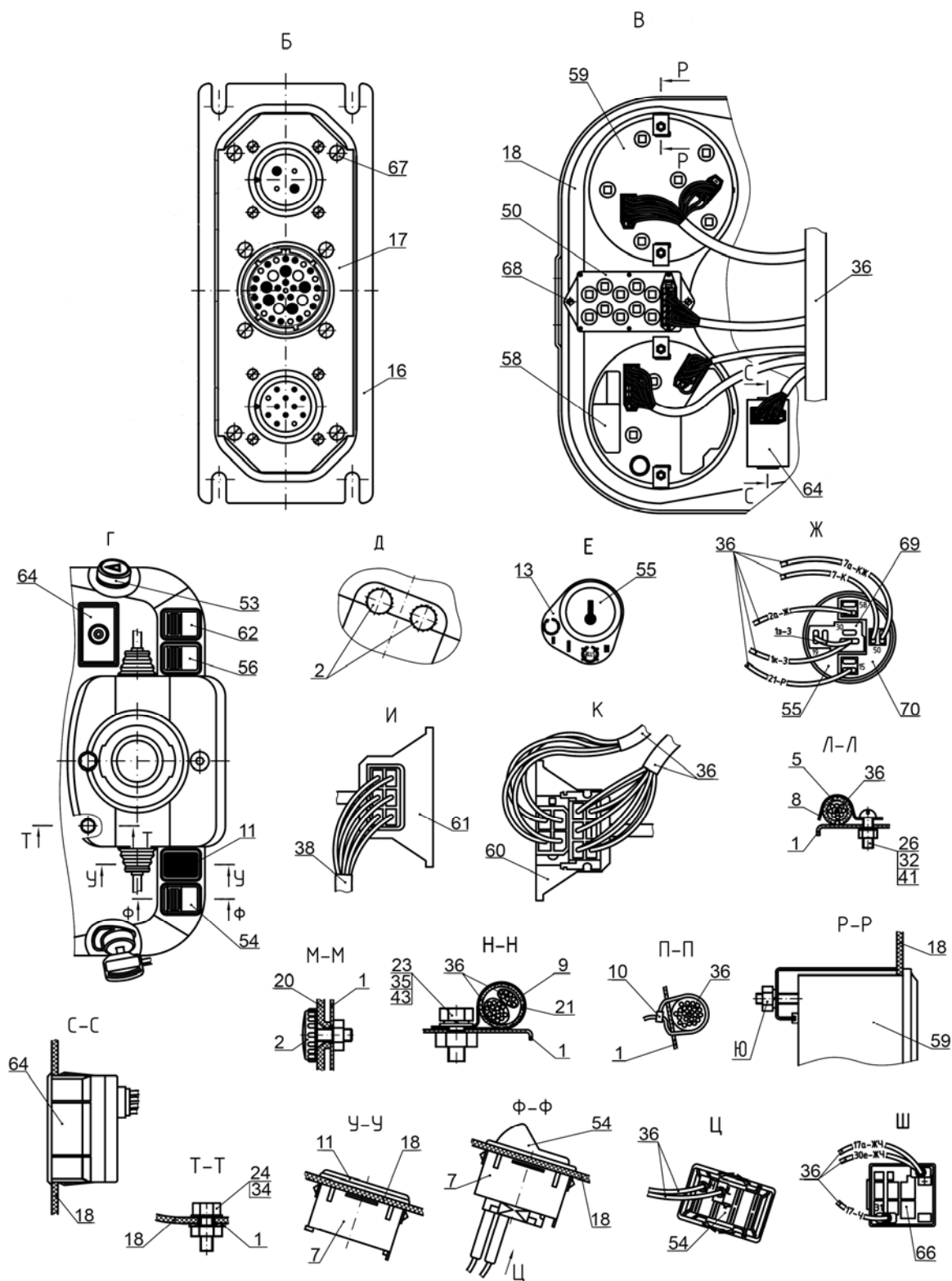


Fig. 38.3 Dashboard

Group 38. Dashboard
Subgroup 3805. Dashboard

Fig.No	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
	5	70-3506027	1	Bushing
	6	822-3709124	1	Boot
	7	5336-3710015	4	Switch frame
	8	80-3723043	1	Clip
	9	822-3723044	1	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	PR-32-04	1	Sealant
	22		1	Bolt M6-6gx60.88.35.019 GOST 7795-70
	23		1	Bolt M8-6gx20.88.35.019 GOST 7796-70
	24		2	Bolt M6-6gx16.88.35.019 GOST 7798-70
	25		4	Screw V.M3-6gx14.46.019 GOST 17473-80
	26		5	Screw V.M5-6gx16.58.019 GOST 17473-80
	27		1	Screw V.M6-6gx16.58.019 GOST 17473-80
	31		4	Nut M3-6H.6.019 GOST 5927-70
	32		5	Nut M5-6H.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		1	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 GOST 23544-84
	40		4	Washer 3T OST 37.001.115-75
	41		5	Washer 5T OST 37.001.115-75
	42		2	Washer 6T OST 37.001.115-75
	43		1	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	Wiper switch PKP-3A TU RB 100093400.003-2001
	62	3709.20	1	Light switch
	64	3813.40	1	Control panel
	66	3747.20	1	Signalling relay
	67	917401	4	Screw 4x10.019 TU BY 400024166.016-2009
	68	917411	2	Screw 4x16.019 TU BY 400024166.016-2009
	69	3710.040-01	1	Socket XE0801737
	70	3710.040-02	1	Socket XE0801738

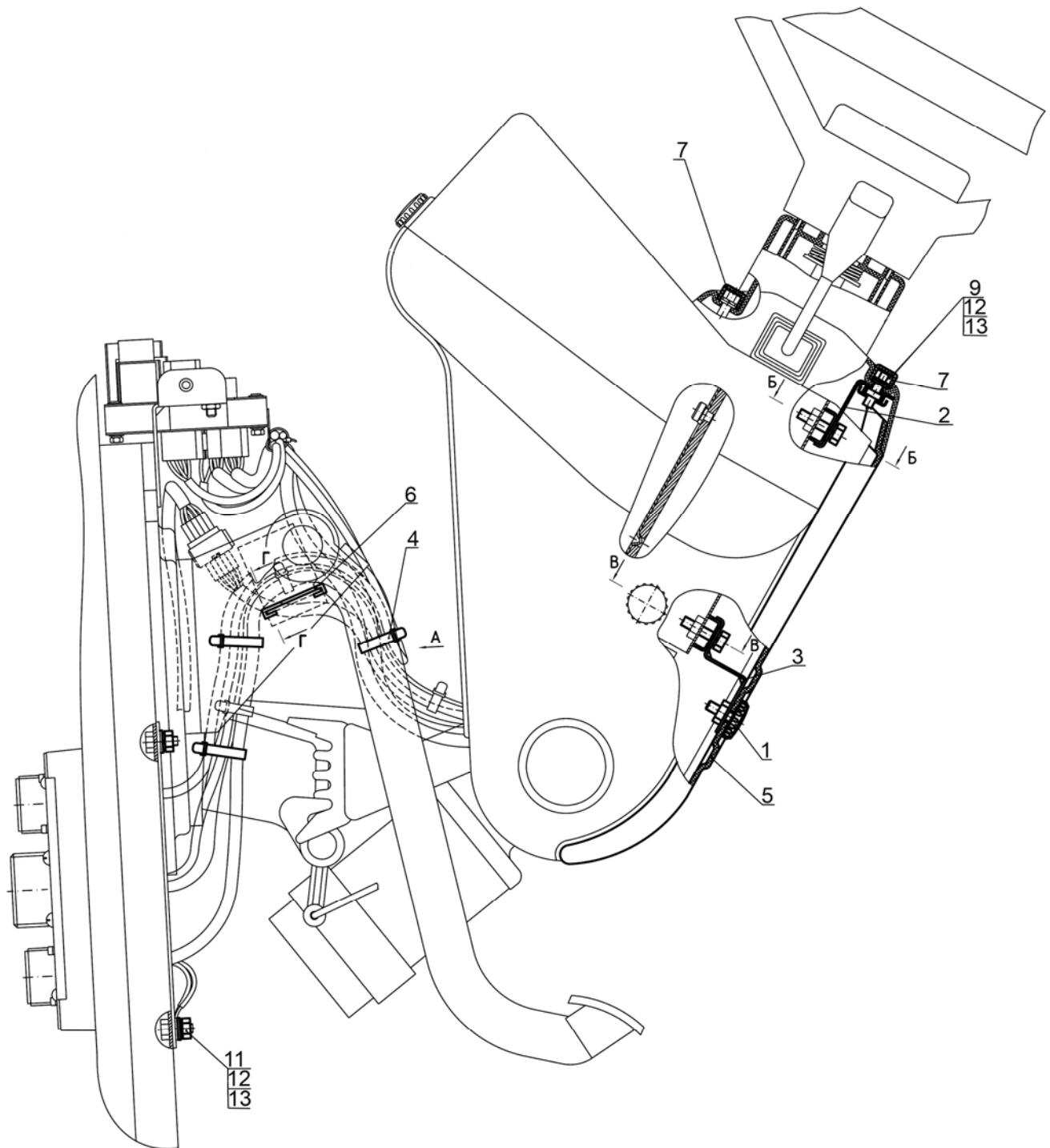


Fig. 38.4 Dashboard assembly

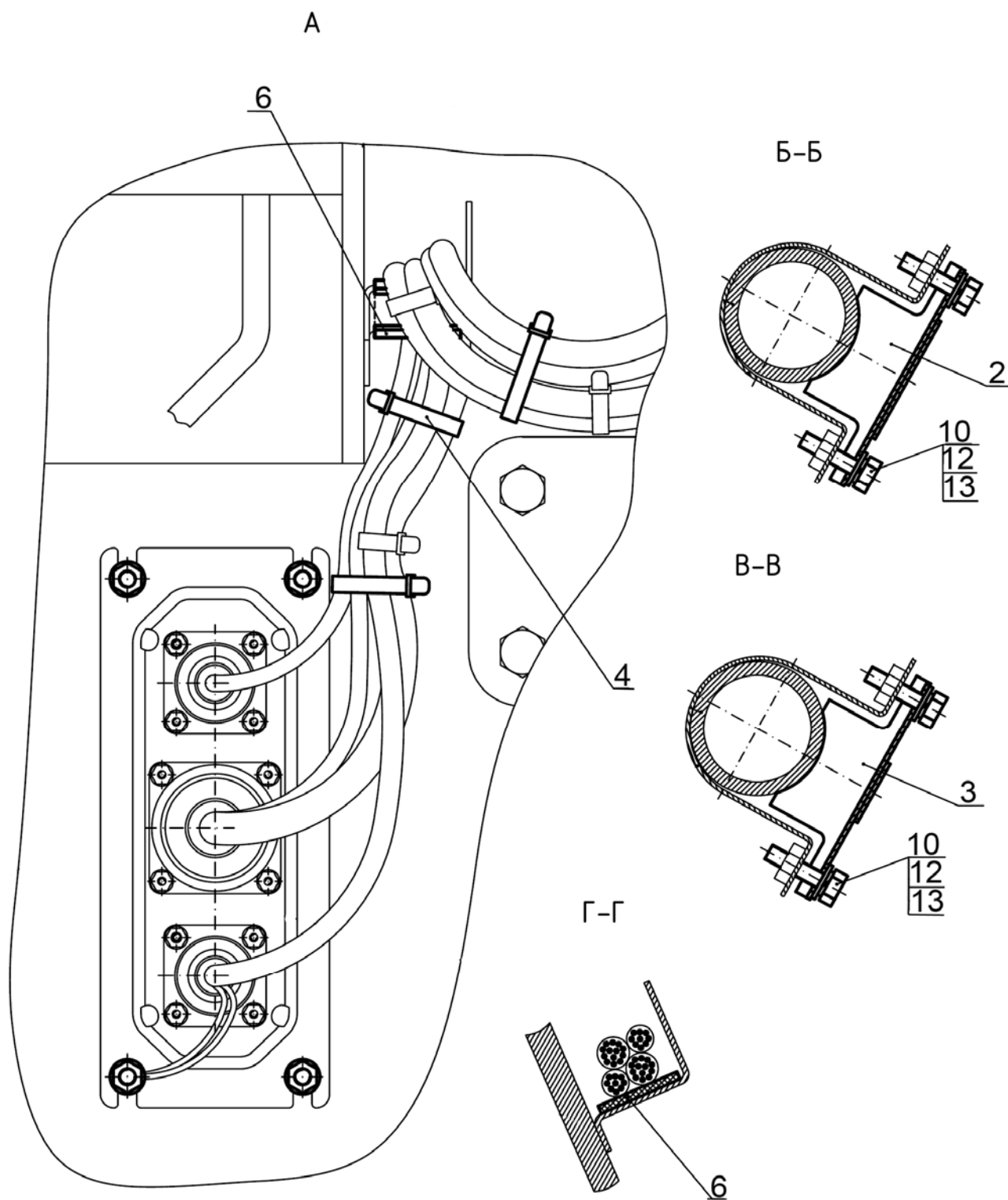


Fig. 38.5 Dashboard assembly

Group 38. Dashboard
Subgroup 3805. Dashboard assembly

Fig.No	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 M6-6gx16.88.35.019 GOST 7798-70
	10		4	Bolt M6-6gx25.88.35.019 GOST 7798-70
	11		4	Nut M6-6H.6.019 GOST 5915-70
	12		9	Washer S 6.01.019 GOST 11371-78
	13		9	Washer 6T OST 37.001.115-75

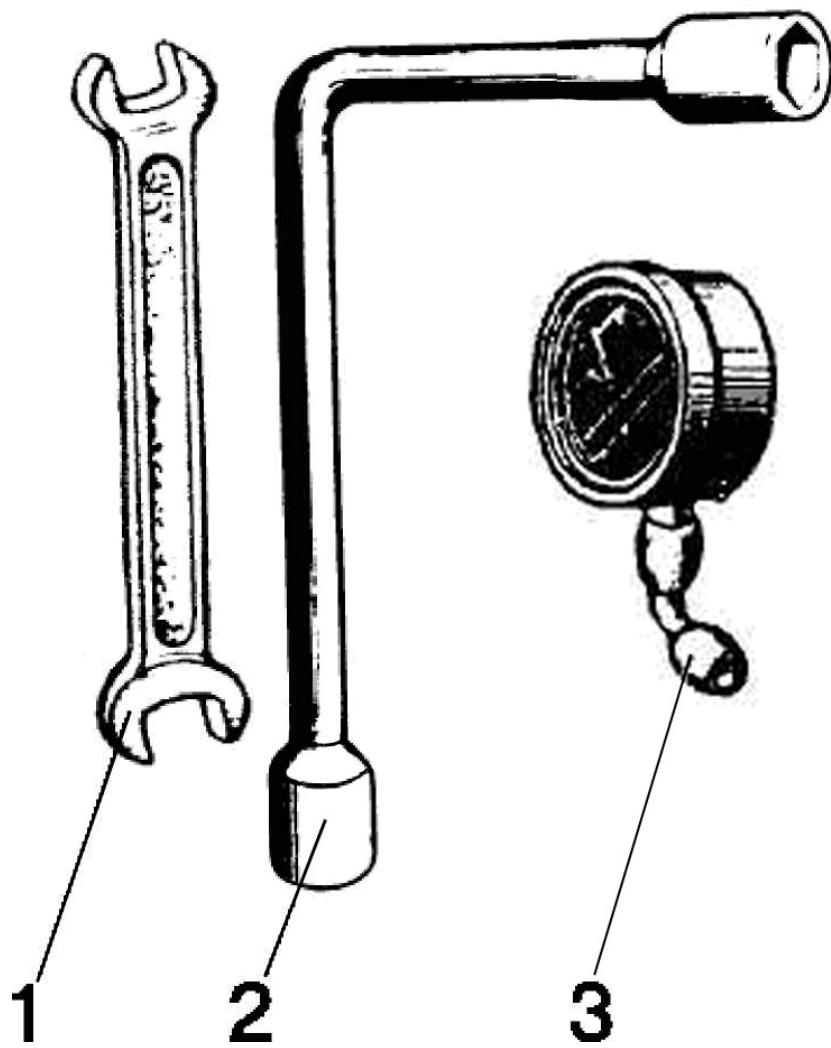


Fig. 39.1. Operator's tool

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

Fig.No	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=27x32
	3	MD214	1	Manometer

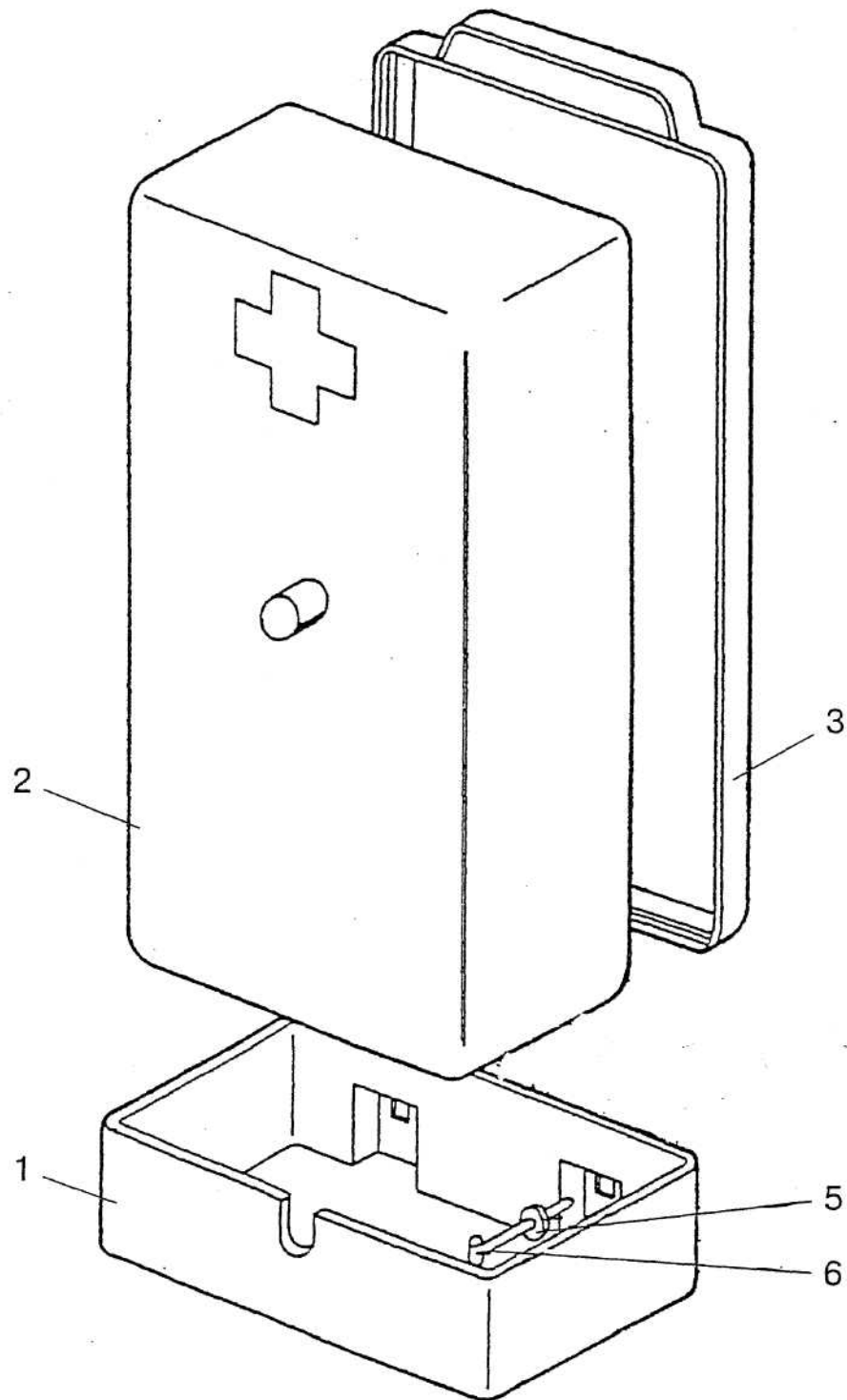


Fig. 39.2 First-aid kit

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

Fig.No	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	S6.01.08 кР.019	2	Washer GOST 11371-78
	6	V.6-6gx20.58.019	2	Screw GOST 17473-80

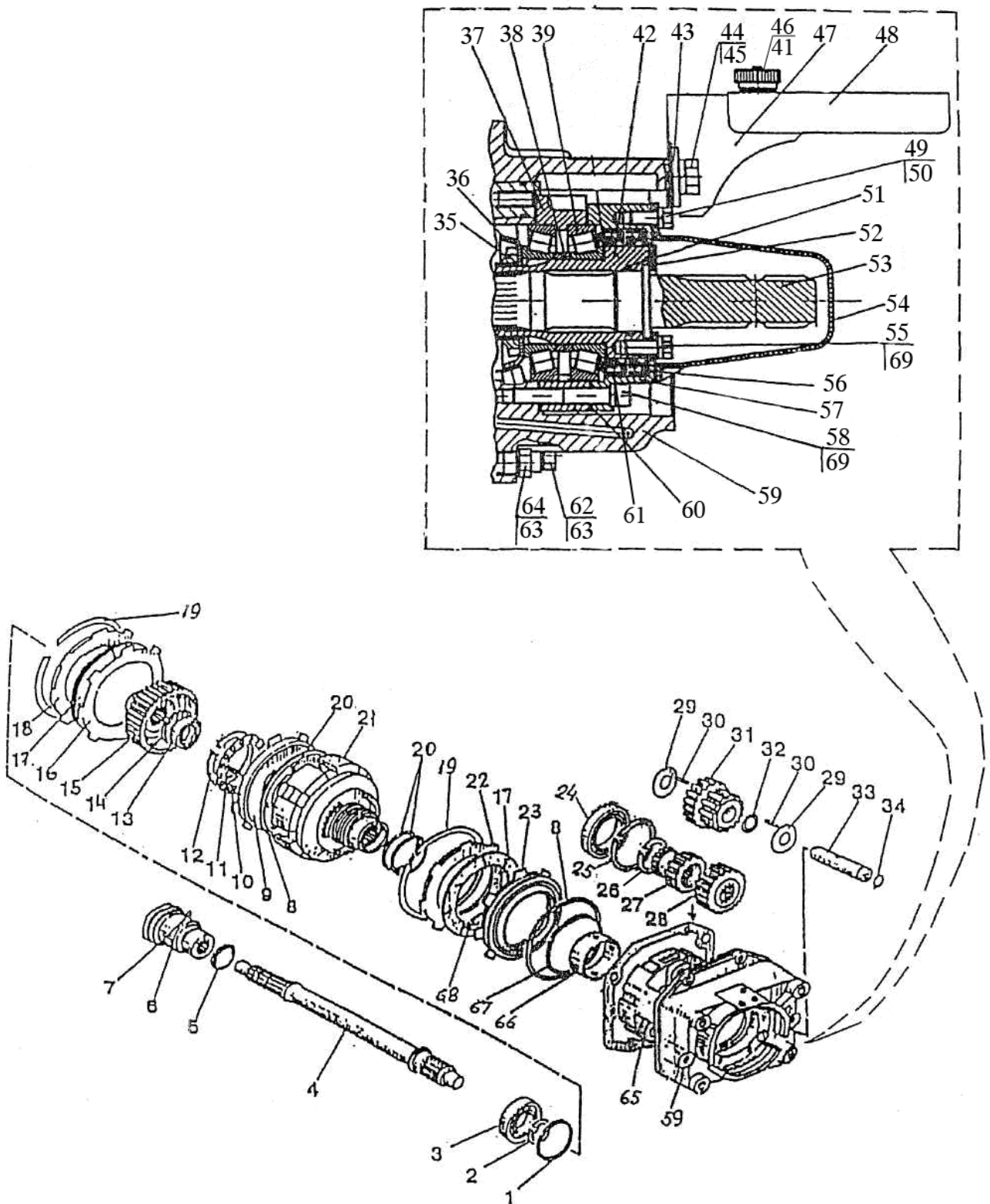


Fig. 42.1 Rear power take-off shaft

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
42.1		2022-4202010-08 (type 3, 20 splines)	1	Rear PTO (2022-4202020, 1822-4202060, 1822-4202080, 1, 41, 43-50, 54, 62-65)
		2022-4202010-09 (type 2, 21 splines)	1*	Rear PTO (2022-4202020-02, 1822-4202060, 1822-4202080, 1, 41, 43-50, 54, 62-65)
		2022-4202020 (type 3, 20 splines)	1	Rear PTO (2022-4202030-A, 2022-4202050, 2022-4202070, 8, 17, 19, 22-34, 52, 53, 55, 58-60, 67-69)
		2022-4202020-02 (type 2, 21 splines)	1*	
		1822-4202060	1	Drive shaft (2-4)
		2022-4202050	1	Bushing (35-39, 42, 51)
		1822-4202080	1	Shift collar (5-7)
		2022-4202070	1	Cover (56,57,61)
		2022-4202030-A	1	Friction clutch coupling (8-21)
	1		1	Ring S80 GOST 13943-86
	2		1	Ring S40 GOST 13940-86
	3		1	Bearing 208A GOST 8338-75
	4	1822-4202011	1	Drive shaft
	5	A61.03.002	1	Ring
	6	1822-4202046	1	Shift collar
	7		1	Ball 7,938-100 GOST 3722-81
	8	80-1701382	2	Ring
	9	80-1701374-01	1	Piston
	10	80-1701373	1	Spring seat
	11	80-1701395	16	Spring
	12		1	Ring S80 GOST 13942-86
	13		1	Bearing 305A GOST 8338-75
	14		1	Ring S62 GOST 13943-86
	15	1522-4202034-A-01	1	Splined coupling
	16		5	Driving disc LD 2220087
	17	2522-1802035-A or 2522-1802035-A-01 or 80-1701375	7	Friction plate
	18	3522-4202379	1	Thrust disc
	19		2	Locking ring 185 DIN472:1981
	20	142-1701381	3	Ring
	21	2022-4202031	1	Drum
	22	3522-4202379-01	1	Thrust disc
	23	2022-4202033	1	Piston brakes
	24		1	Bearing 114 GOST 8338-75
	25		1	Ring 2S110 GOST 13941-86
	26		1	Ring 2S70 GOST 13940-86
	27	1021-4202026-BA	1	Gear
	28	1021-4202021-B	1	Gear
	29	1522-4202023	6	Thrust washer
	30		114	Roller 5x27,8A3 GOST 6870-81
	31	1522-4202028-B	3	Gear
	32	1522-4202024-01	3	Bushing
	33	1522-4202022	3	Intermediate axle
	34		3	Ring 021-025-25-1-4 GOST 18829-73/GOST 9833-73

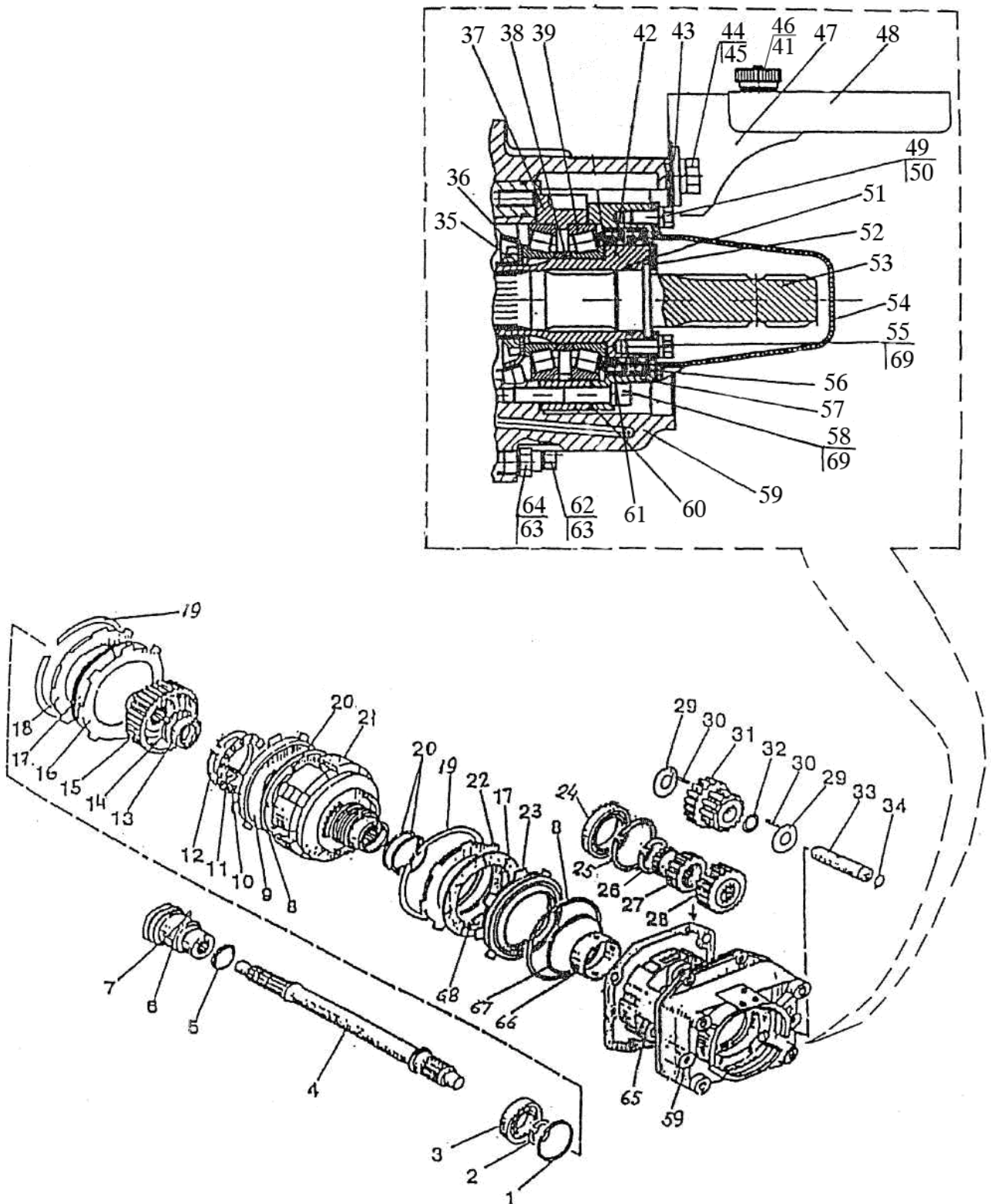


Fig. 42.1 Rear power take-off shaft

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
42.1	35	80-1701047	1	Nut
	36	2022-4202069	1	Washer
	37	2022-4202042	1	Cage
	38	72-2308121*	2	Ring
		or 72-2308121-01	2	Ring
		or 72-2308121-02	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		2	Bearing 7212A GOST 27365-87
	41		2	Washer S 6.01.019 GOST 11371-78
	42	2022-4202062	1	Bushing
	43		2	Washer S16.01.08 GOST 6958-78
	44		2	Bolt M16-6gx25.88.35.019 GOST 7796-70
	45		2	Washer 16OT OST 37.001.115-75
	46	1522-4202094	2	Handwheel
	47	2022-4202095	1	Casing
	48	2022-4202092	1	Plate
	49		2	Bolt M10-6gx20.88.35.019 GOST 7796-70
	50		2	Washer S10.01.019 GOST 11371-78
	51		1	Ring 044-050-36-2-2 GOST 18829-73/GOST 9833-73
	52	1822-4202027	1	Thrust washer
	53	2022-4202017	1	Shaft end PTO3 (20 splines)- 1000 rpm
		2022-4202017-02**	1	Shaft end PTO2 (21 splines)- 1000 rpm
		2022-4202016**	1	Shaft end PTO1S (8 splines)- 540 rpm
		2022-4202016-01**	1	Shaft end PTO1 (6 splines)- 540 rpm
		2022-4202017-01**	1	Shaft end PTO2S (8 splines)- 1000 rpm
		2000-4202017-03**		Shaft end PTO2S1 (6 splines)- 1000 rpm
	54	2022-4202065	1	Rear PTO cap
	55		4	Bolt M10-6gx25.88.35.019 GOST 7796-70
	56		1	Collar 2.2-80x105-1 GOST 8752-79/OST 3805146-78
	57	2022-4202018	1	Cover
	58		6	Screw M10-6gx70.88.019 GOST 11738-84

* selected during bearings adjustment

** optional

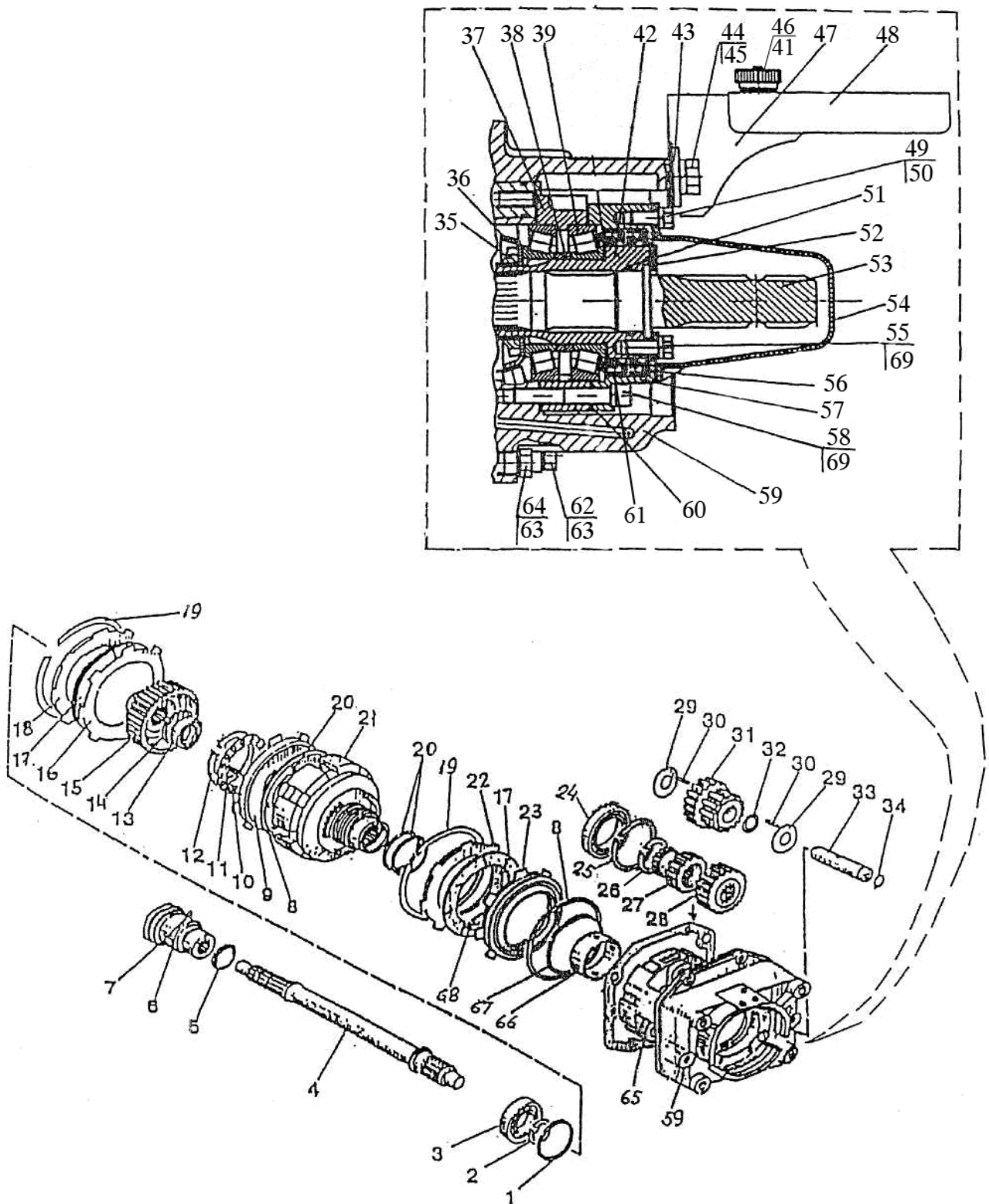


Fig. 42.1 Rear power take-off shaft

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
42.1	59	2022-4202015	1	Housing
	60	2022-4202012	2	Gasket
	61		1	Collar 1.2-80x105-1 GOST 8752-79/OST 3805146-78
	62		2	Bolt M12-6gx50.88.35.019 GOST 7795-70
	63		6	Washer 12 OT OST 37.001.115-75
	64		4	Bolt M12-6gx40.88.35.019 GOST 7796-70
	65	1522-4202013-A	1	Gasket
	66	142-4202042	1	Bushing
	67	86-1802047	1	Ring
	68	3522-4202046	4	Spring
	69		10	Washer 10 OT OST 37.001.115-75

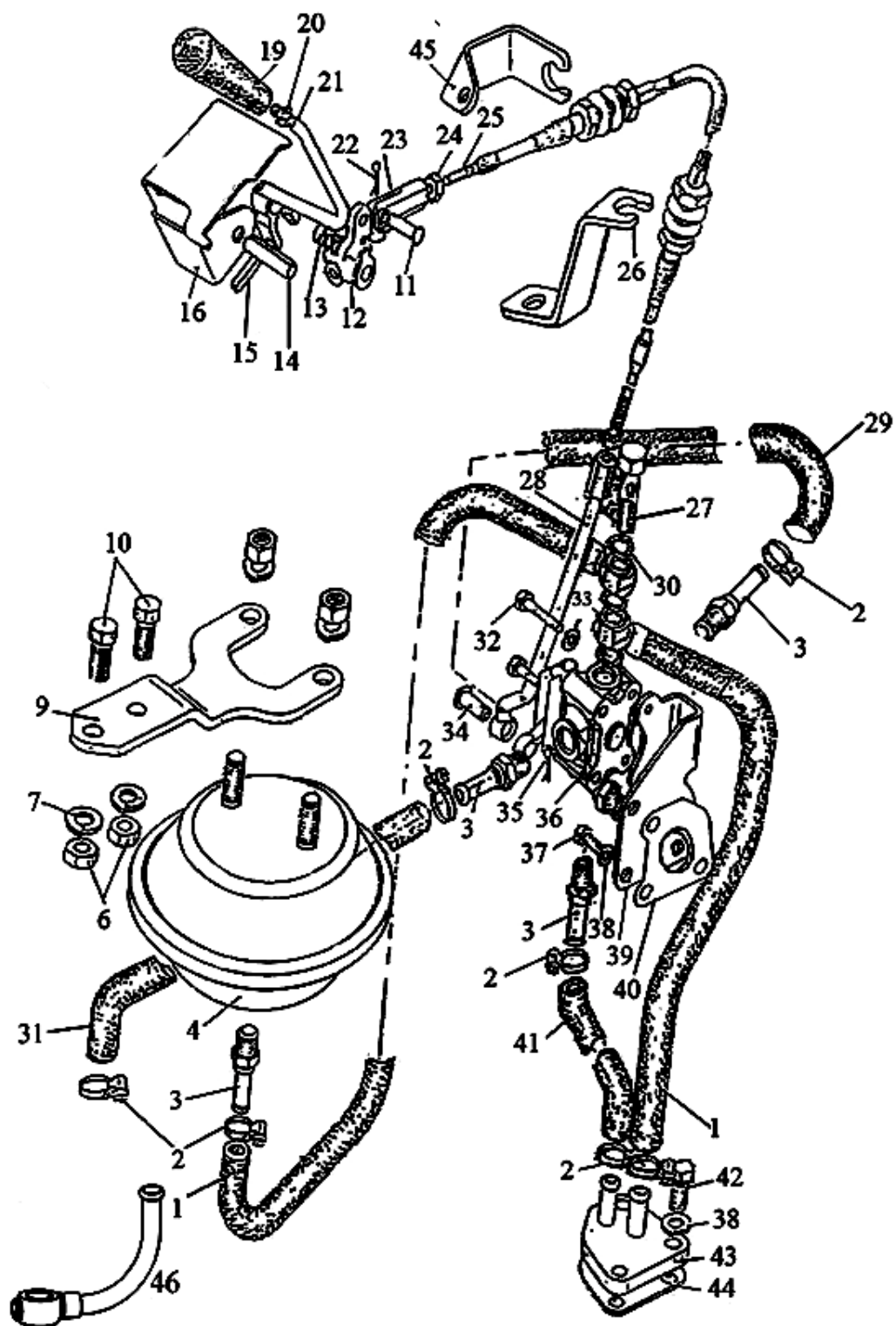


Fig. 42.2 Control of rear PTO hydraulic drive

Group 42. Power take-off
Subgroup 4218. Control of rear PTO hydraulic drive

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
42.2		2022-4218005-A		Rear PTO hydraulic system (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		Control of rear PTO hydraulic drive (11-26), 28, 1822-4218105
		1822-4218105	1	Change 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 drive
	6		2	Nut M10-6H.6.019 GOST 5915-70
	7		2	Washer 10 OT OST 37.001.115-75
	9	1522-4216011	1	Bracket
	10		2	Bolt M10-6gx30.88.35.019 GOST 7796-70
	11		1	Pin 6x22 OST 37.001.163-97 or 70-1601109-01
	12	1822-4218116	1	Shaft
	13	50-1702148-A	1	Spring
	14		1	Dowel A.10x40.65G chem.phosph.oil. GOST 14229-93
	15		1	Dowel A.8x30.65G chem.phosph.oil. GOST 14229-93
	16	1822-4218117	1	Base
	19	1822-4218121	1	Handle
	20		1	Nut M8-6H.6.019 GOST 5915-70
	21	1822-4218115	1	Handle
	22		1	Split pin 1,6x12.019 GOST 397-79
	23	80V-1108542-01 or 80V-1108542-A-01	1	End piece
	24		2	Nut M6-6H.6.019 GOST 5915-70
	25		1	Remote control wire 100.M4322.01250 TU U29.3-31765778-002-2003 or
				Remote control wire 23.588.1.1.2.00.01-02 TU U29.3-24169896-001-2001 or
				Remote control wire 772-L-TT-75-1250 TU U 29.3-31003530-002-2002
	26	1523-4218122	1	Clip
	27	240-1111103	1	Bolt of rotary angle piece
	28	1522-4218110-01	1	Rod
	29	1221-2412026-05	1	Hose
	30		3	Washer M14 400-868-4490-41 or
				washer 627 RRM14 or
				washer SCN227-R18-RM14

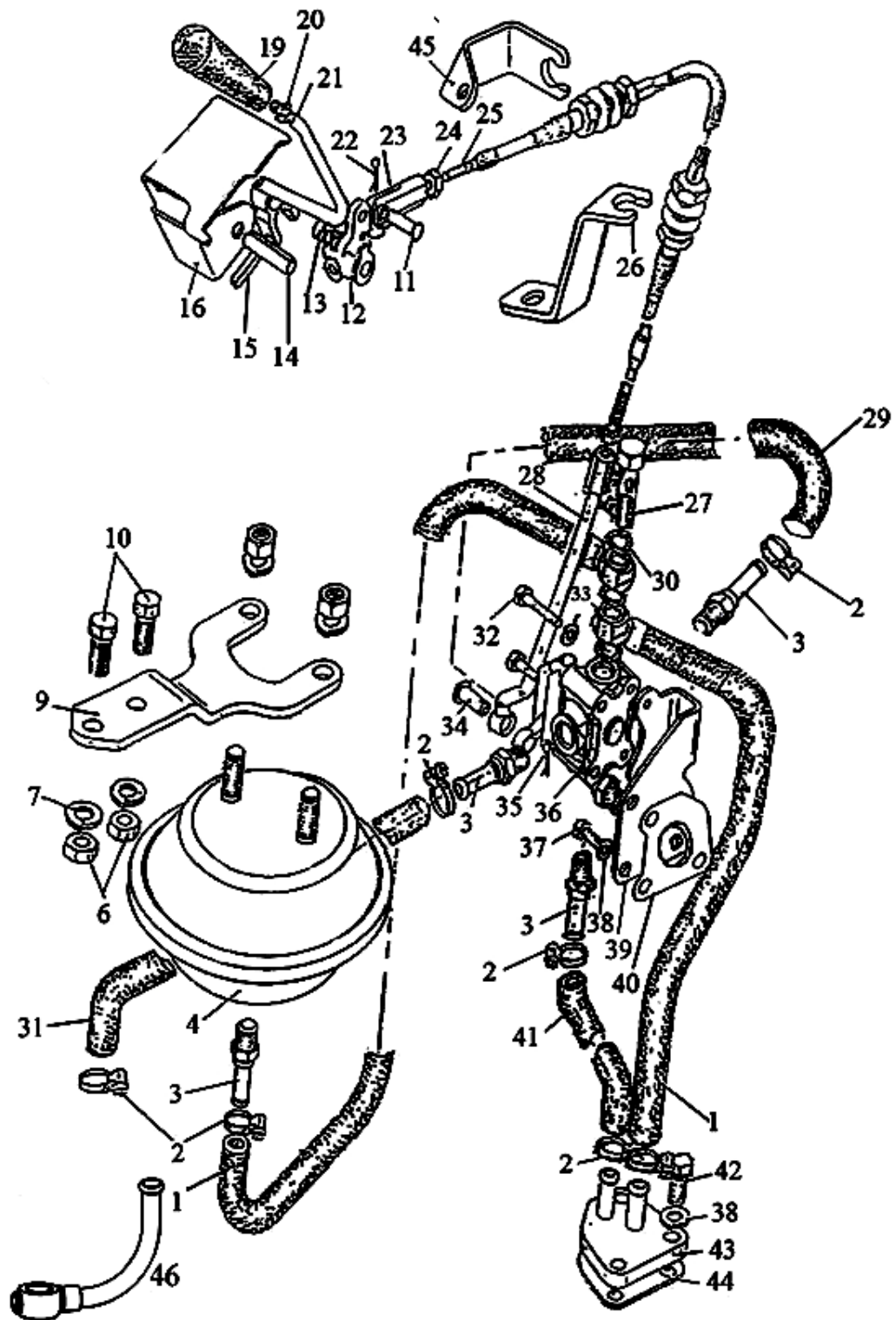


Fig. 42.2 Control of rear PTO hydraulic drive

Group 42. Power take-off
Subgroup 4218. Control of rear PTO hydraulic drive

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
42.2	31	2022-4218026-02	1	Hose
	32		2	Bolt M6-6gx40.88.35.019 GOST 7795-70
	33		2	Washer 6T OST 37.001.115-75
	34		1	Pin 8x22 OST 37.001.163-97
	35		1	Split pin 3,2x25.019 GOST 397-79
	36	85-4216115	1	Valve
	37		3	Bolt M8-6gx20.88.35.019 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
	42		3	Bolt M8-6gx25.88.35.019 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

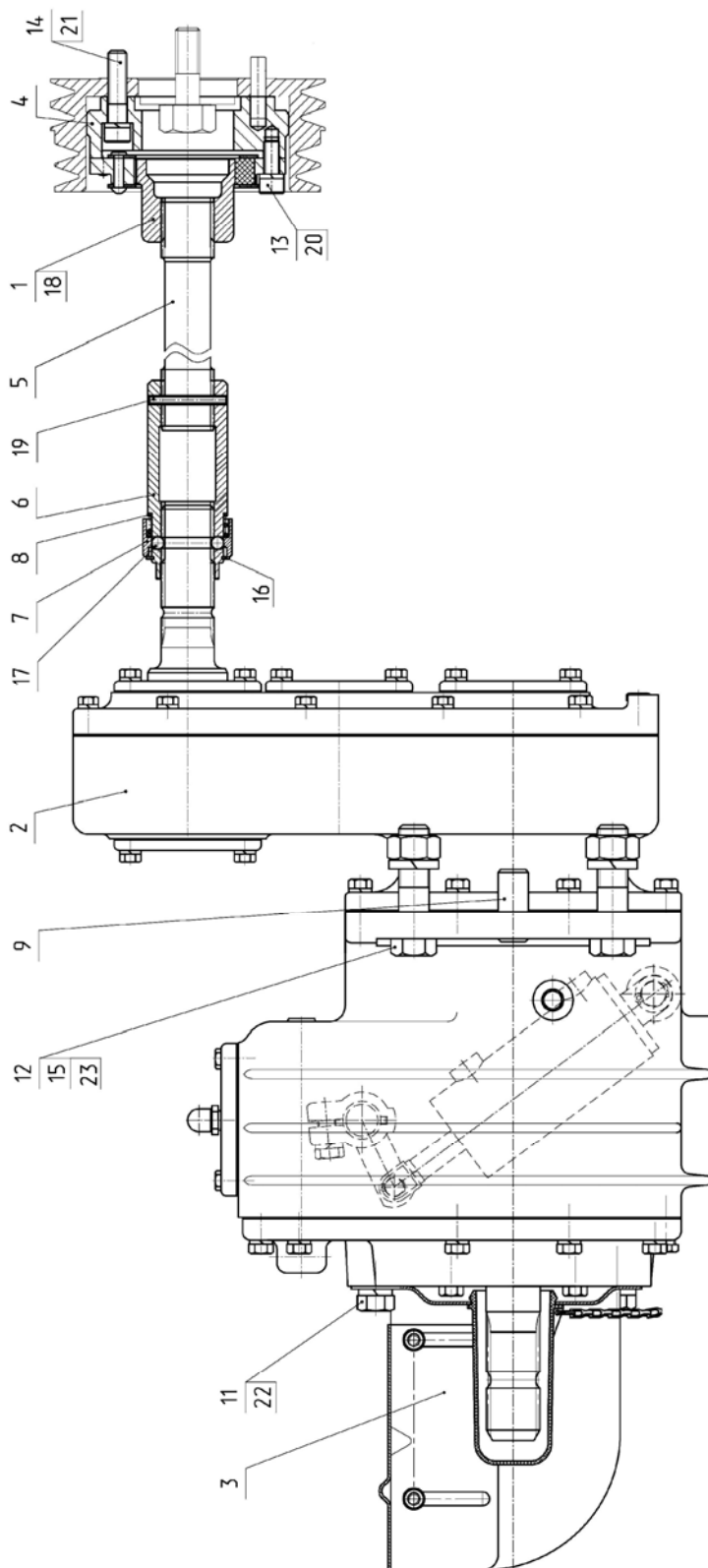


Fig. 42.3 Front PTO

**Group 42 Power take-off
Subgroup 4209. Front PTO**

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
42.3		2022-4209100-V	1	Front PTO
	1	2022-4209020	1	Coupling
	2	2022-4209105-B	1	PTO gear unit
	3	2022-4209200	1	Guard
	4	2022-4209011-B	1	Spacer
	5	2022-4209012-B	1	Shaft
	6	2022-4209013	1	Coupling
	7	2022-4209014	1	Bushing
	8	2022-4209015	1	Spring
	9	50-4605027	2	Dowel
	11		4	Bolt M16-6gx32.88.35.019 GOST 7796-70
	12		4	Bolt M20-6gx75.88.35.019 GOST 7796-70
	13		6	Screw M10-6gx25.56.019 GOST 11738-84
	14		6	Screw M12-6gx50.68.019 GOST 11738-84
	15		4	Nut M20-6H.6.019 GOST 5915-70
	16		1	Ring S48 GOST 13940-86
	17		2	Ball 7,938-100 GOST 3722-81
	18		2	Dowel 8x20 GOST 3128-70
	19		1	Dowel A.6x30.65G GOST 14229-93
	20		6	Washer 10 OST 37.001.115-75
	21		6	Washer 12 OT OST 37.001.115-75
	22		4	Washer 16 OT OST 37.001.115-75
	23		4	Washer 20 OT OST 37.001.115-75

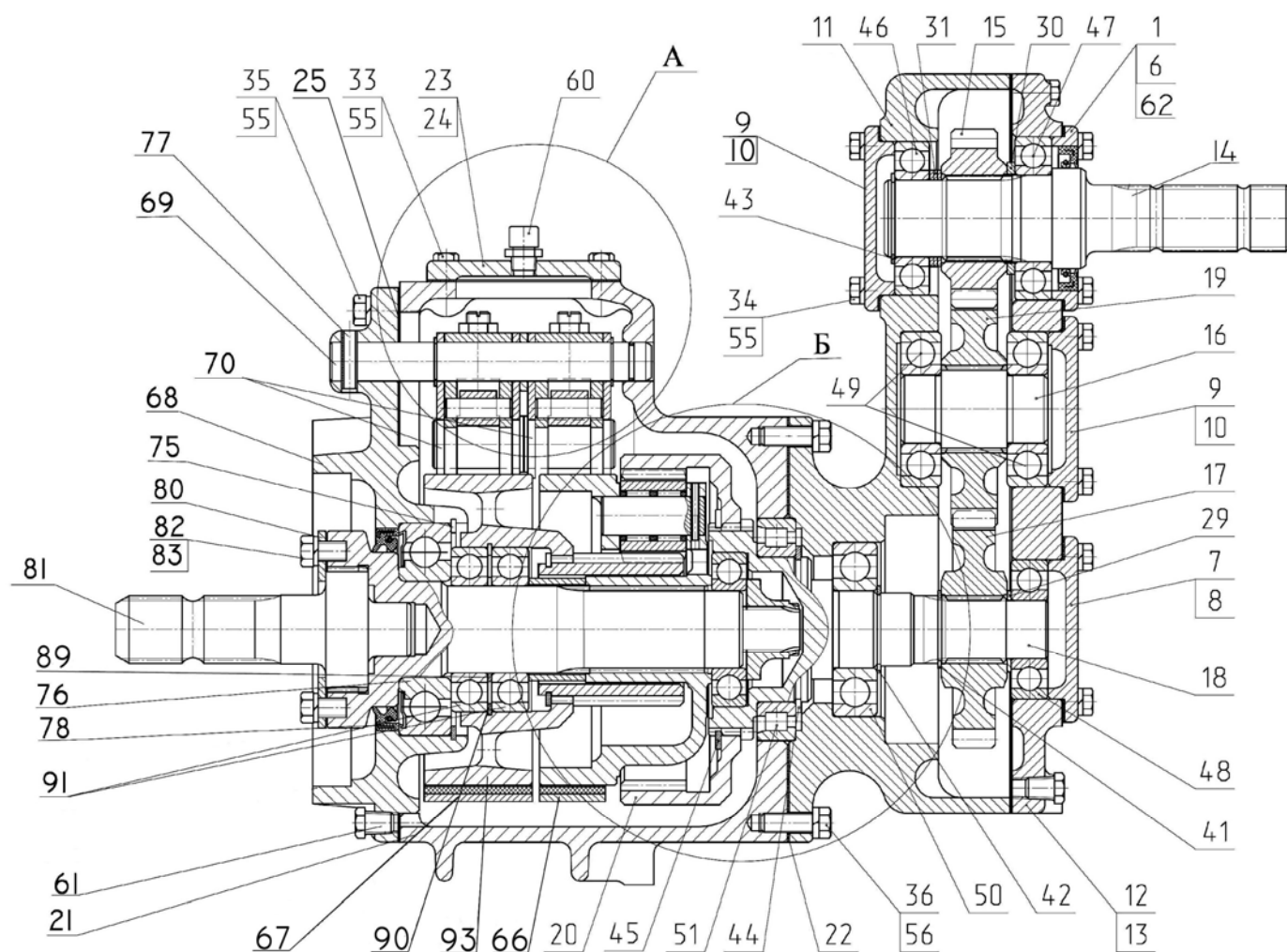


Fig. 42.4 PTO gear unit

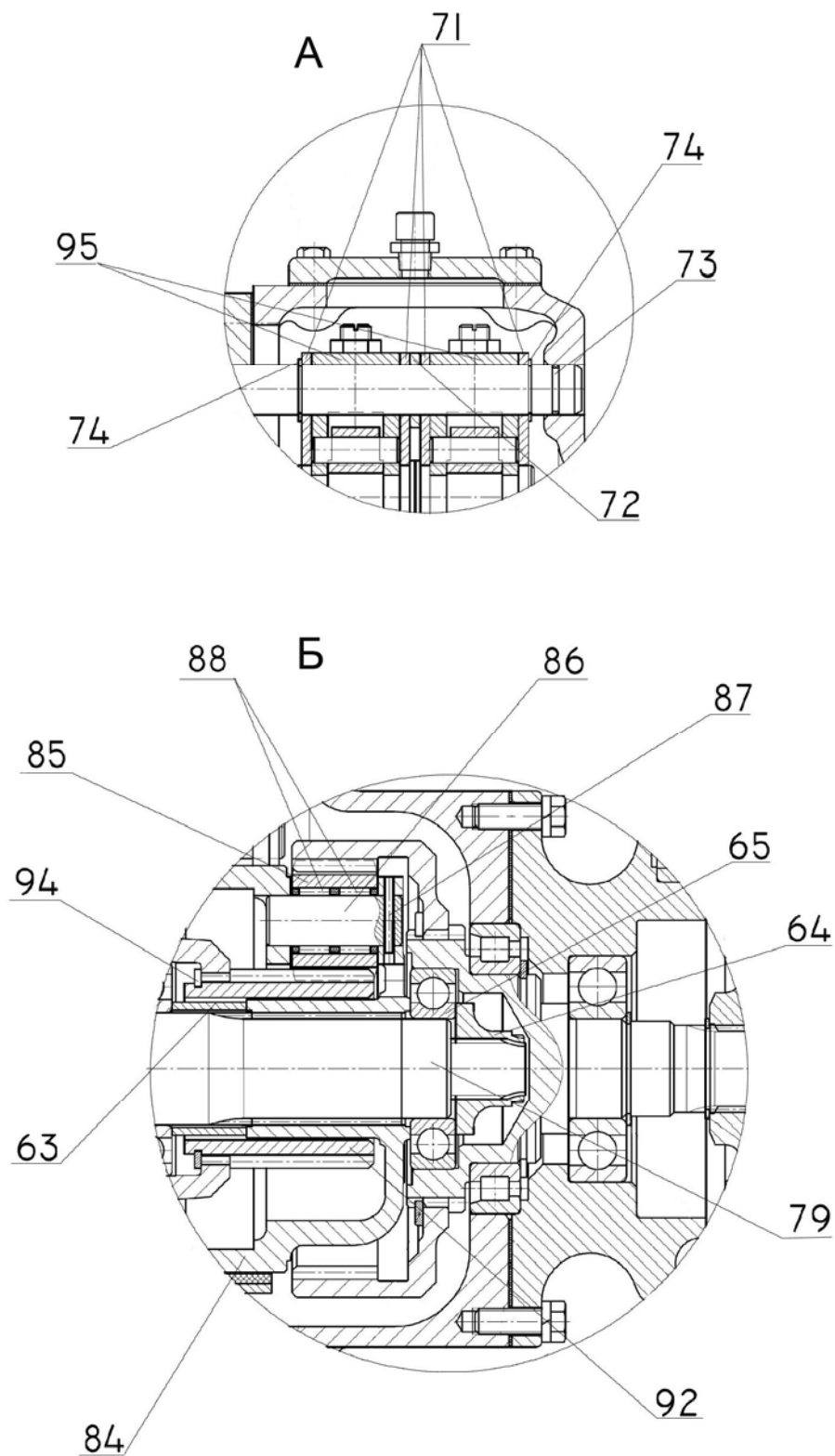


Fig. 42.5 PTO gear unit

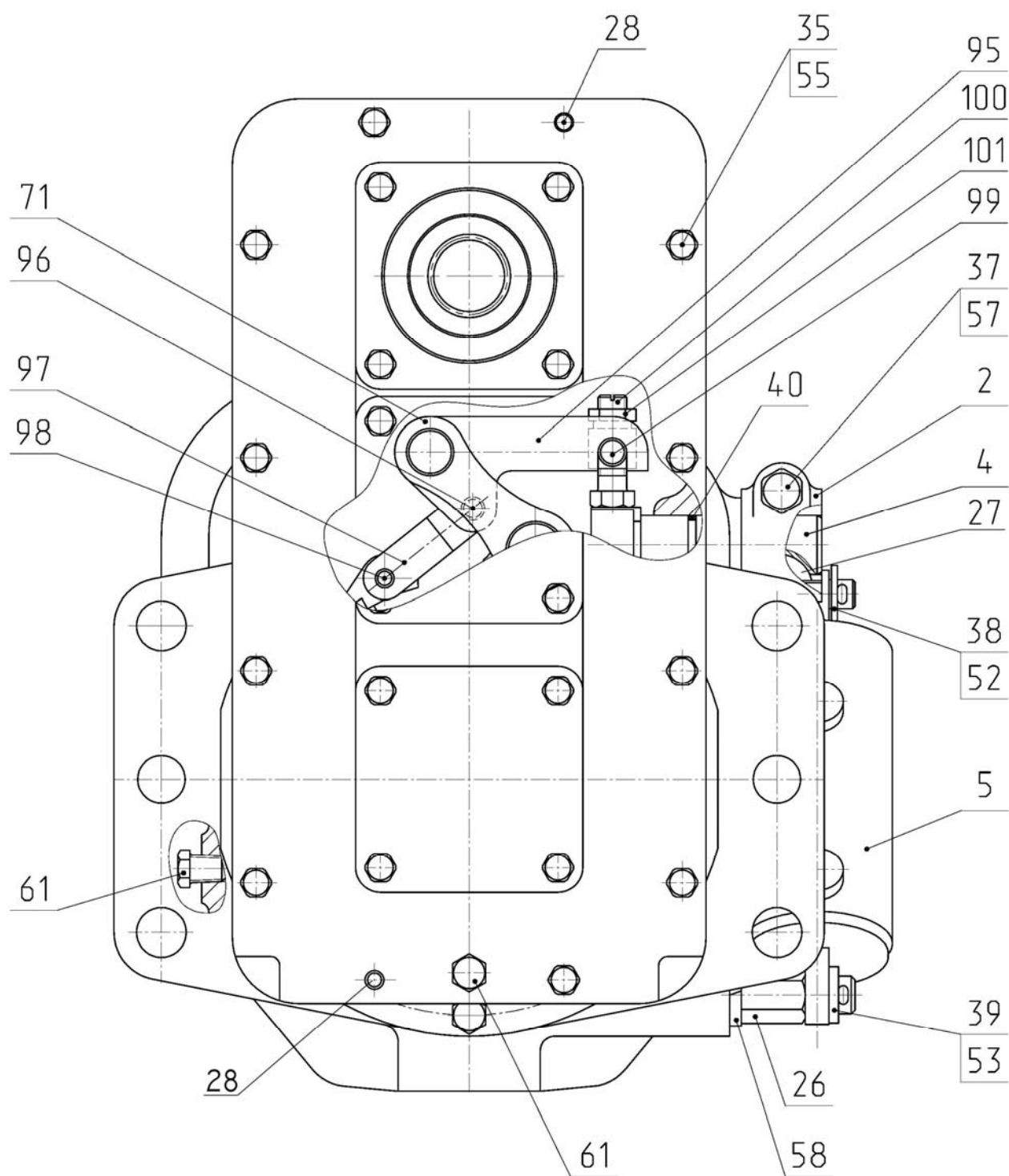


Fig. 42.6 PTO gear unit

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
42.4		2022-4209105-B	1	PTO gear unit
42.5		2022-4209025	1	Cover (1, 62)
42.6		2522-4209110	1	Cover (63-101)
	1	2022-4209036-B	1	Cover
	2	2522-4209105	1	Lever
	4	1522-4209040	1	Lever
	5	80-4216100	1	Cylinder
	6	2022-4209024	1	Gasket
	7	2022-4209026	1	Cover
	8	2022-4209027	1	Gasket
	9	2022-4209028	2	Cover
	10	2022-4209029	2	Gasket
	11	2022-4209106-B	1	Housing
	12	2022-4209107-B	1	Cover
	13	2022-4209108	1	Gasket
	14	2022-4209109-B	1	Shaft
	15	2022-4209111-B	1	Toothed gear wheel
	16	2022-4209112-B	1	Shaft
	17	2022-4209113	1	Toothed gear wheel
	18	2022-4209114-B	1	Shaft
	19	2022-4209117-B	1	Toothed gear wheel
	20	70-4202043	1	Crown gear
	21	2522-4209101	1	Housing
	22	2522-4209104	1	Gasket
	23	2522-4209107	1	Cover
	24	2522-4209108	1	Gasket
	25	2522-4209109	1	Gasket
	26	1521-4209037	1	Bolt
	27	SSH-611	1	Key 6x11
	28	SHTSK 8x25	2	Dowel
	29	70-1601082	1	Washer
	30	1525-2302012-06	1	Washer
	31	1525-2302106	3	Washer
	33		4	Bolt M8-6gx16.88.35.019 GOST 7796-70
	34		16	Bolt M8-6gx25.88.35.019 GOST 7796-70
	35		19	Bolt M8-6gx30.88.35.019 GOST 7796-70
	36		6	Bolt M10-6gx30.88.35.019 GOST 7796-70
	37		1	Bolt M12-6gx35.88.35.019 GOST 7796-70
	38		1	Washer S 12.01.019 GOST 11371-78
	39		1	Washer S 16.01.019 GOST 11371-78
	40		1	Ring 021-025-25-1-4 GOST 18829-73/GOST 9833-73
	41		1	Ring S35 GOST 13940-86
	42		1	Ring S38 GOST 13940-86
	43		1	Ring S40 GOST 13940-86

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
42.4 42.5 42.6	44		1	Ring 2S75 GOST 13940-86
	45		1	Ring 2S110 GOST 13941-86
	46		1	Bearing 208 A GOST 8338-75
	47		1	Bearing 209 A GOST 8338-75
	48		1	Bearing 306 A GOST 8338-75
	49		2	Bearing 307 A GOST 8338-75
	50		1	Bearing 308 GOST 8338-75
	51		1	Bearing 6-12115 EMUSH1 GOST 8328-75
	52		1	Split pin 3,2x18.019 GOST 397-79
	53		1	Split pin 4x36.019 GOST 397-79
	55		39	Washer 8T OST 37.001.115-75
	56		6	Washer 10 OST 37.001.115-75
	57		1	Washer 12 OT OST 37.001.115-75
	58		1	Washer 16 OT OST 37.001.115-75
	60		1	Breather "MINTOR" TSS0G-1/8"
	61		3	Plug - KG 1/8". A12.019 TU 23.1.506-91
	62		1	Collar 2,2-52x75-1 GOST 8752-79/ OST 3805146-78
	63	70-4202077	1	Bushing
	64	70-4202083-A	1	Nut
	65		1	Bearing 208A GOST 8338-73
	66	85-4202100	1	Band (narrow)
	67	85-4202100-01	1	Band (wide)
	68	2522-4209146	1	Cover
	69	2522-4209147	1	Axle
	70	2522-4209148	2	Pin
	71	2522-4209149	4	Tightening device
	72	1521-4209076	1	Bushing
	73		1	Ring 017-020-19-2-4 GOST 18829-73/9833-73
	74		2	Ring 2S 20 GOST 13940-86
	75		1	Ring 2S 110 GOST 13941-86
	76		1	Bearing 60310A GOST 7242-81
	77		1	Dowel A.8x30.65G GOST 14229-93
	78		1	Collar 2.2-80x105-1 GOST 8752-79/ OST 38.05.146-78
	79	80-4202017-B	1	Shaft
	80	80-4202081-A	1	Plate
	81	80-4202019-B-02	1	Shaft end (21 splines)
	82		6	Bolt M10-6gx18.88.35.019 GOST 7796-70
	83		6	Washer 10 OT 37.001.115-75
	84	85-4202065	1	Carrier
	85	70-4202024	3	Planet gear
	86	70-4202026	3	Planet gear shaft
	87	70-4202431	3	Dowel
	88	SKF K 20x26x17	6	Bearing
	89		1	Ring 2S50 GOST 13940-86
	90		1	Ring 2S85 GOST 13941-86

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
42.4	91		2	Bearing 209A GOST 8338-75
42.5	92	70-4202032	1	Sun gear
42.6	93	85-4202033	1	Drum
	94		1	Ring 2S68 GOST 13940-86
	95	1521-4209081	2	Lever
	96	2.10x35.TS9	2	Dowel
	97	1521-4209078	2	Tightening device
	98	SHTSK 8x36	2	Dowel
	99	1522-4209082	2	Pin
	100	1522-4209083	2	Screw
	101	1522-4209084	2	Nut

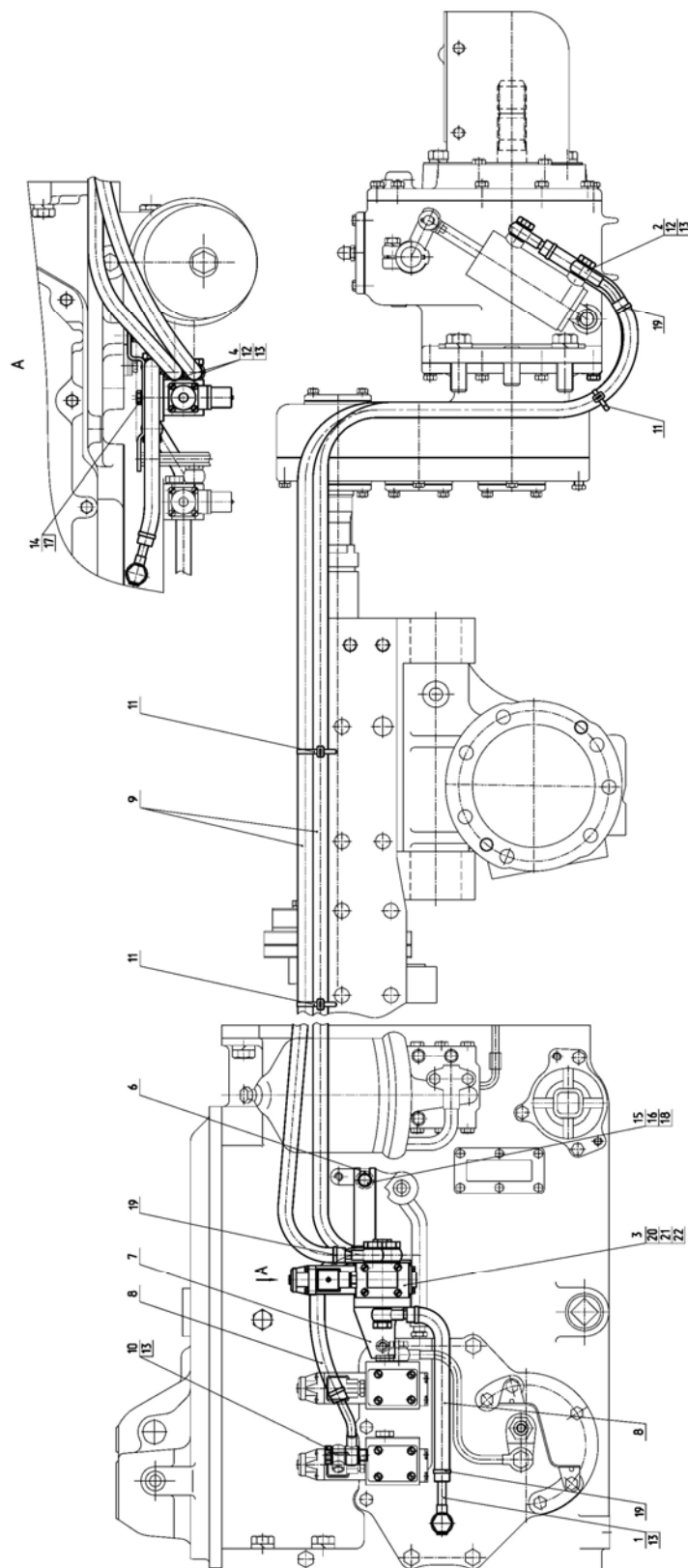


Fig 42.7 Front PTO control

Group 42 Power take-off
Subgroup 4219. Front PTO control

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
42.7		2022-4219000	1	Front PTO control
	1	1221-4216035	3	End piece
	2	1221-4216055	1	End piece
	3	1221-4216254	1	Plate with distributor (3, 20, 21, 22)
	4	F80-3407720	4	Oil pipeline
	6	1025-1101091	1	Bushing
	7	2022-4219001	1	Bracket
	8	1221-4218014	2	Hose 10x18,5-1,6 GOST 10632-76 L=(260±10) mm
	9	1221-4218016	2	Hose 10x18,5-1,6 GOST 10632-76 L=(3000±10) mm
	10	240-1111103	1	Bolt
	11	80-3723045-01	4	Collar
	12	D18-051	7	Bolt
	13	4600.18	16	Washer RM14
	14		2	Bolt M8-6gx20.88.35.019 GOST 7796-70
	15		1	Bolt M10-6gx20.88.35.019 GOST 7796-70
	16		1	Washer S 10.01.019 GOST 11371-78
	17		2	Washer 8T OST 37.001.115-75
	18		1	Washer 10 OT OST 37.001.115-75
	19	5000.01	8	Clamp with worm thread 12-22
	20		4	Screw V.M5-6gx50.58.019 GOST 17473-80
	21		4	Washer 5T OST 37.001.115-75
	22		1	Hydraulic distributor RH 06101-012/00GA-AMR or hydraulic distributor 1RGE-6T/3.574E.G12.O1 TU RB 400051624.093-2004

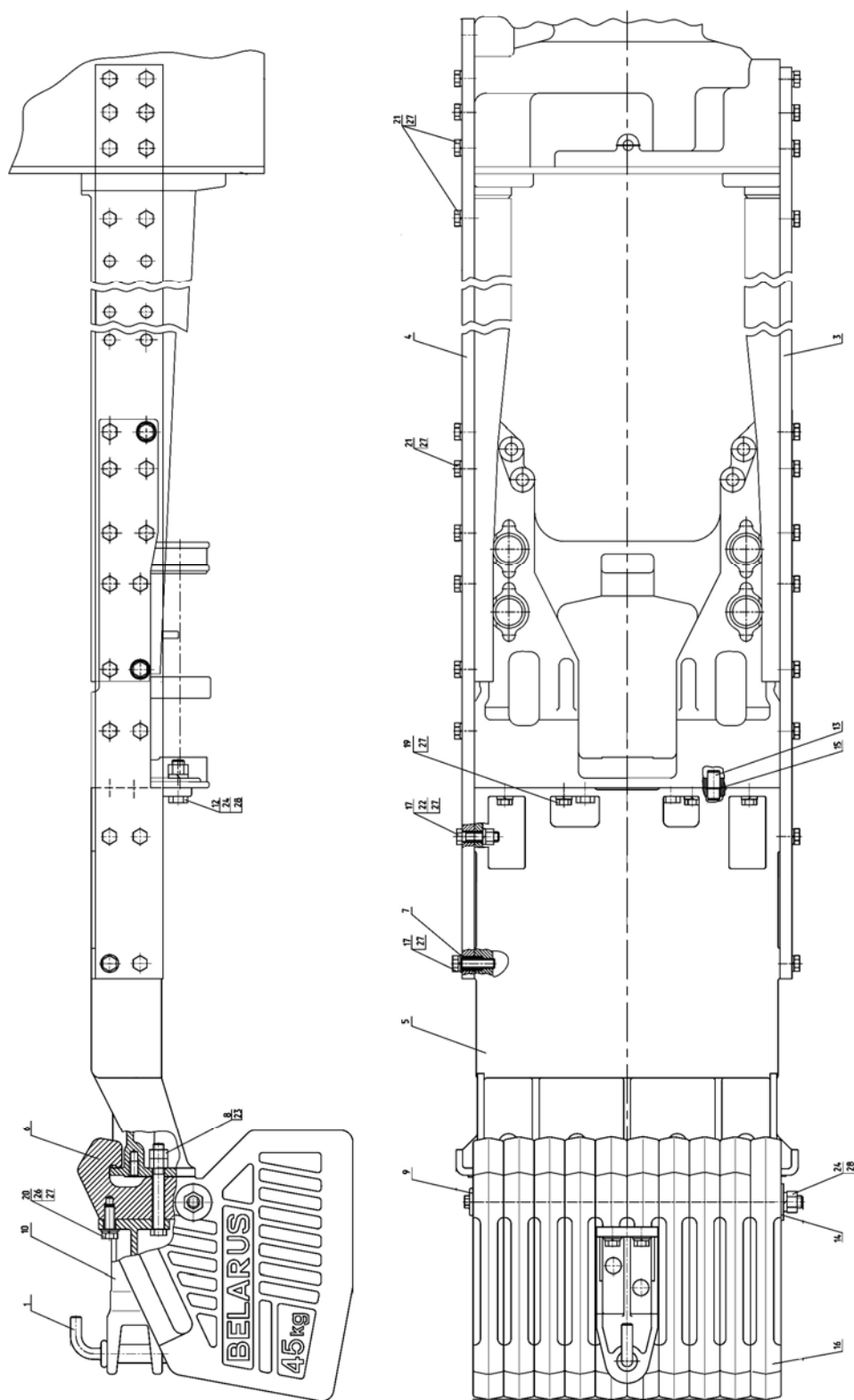


Fig. 42.8 Ballast

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
42.8		2022-4235010	1	Ballast assy
	1	70-4235030	1	Pin
	3	2022-4235012	1	Left plate
	4	2022-4235013	1	Right plate
	5	2022-4235016	1	Spacer
	6	1521-4235011-A	2	Weight
	7	1521-4235029	2	Bushing
	8	1025-4235012	2	Bolt
	9	1025-4235015-01	1	Bar
	10	85-4235025-B	1	Eyelet
	12	70-4605036	2	Bolt
	13	50-4605027	2	Dowel
	14	40-3502084	1	Washer
	15	54.38.619	1	Locking ring
	16	80-4235011	8	Weight
	17		4	Bolt M16-6gx60.88.35.019 GOST 7795-70
	19		8	Bolt M16-6gx40.88.35.019 GOST 7796-70
	20		2	Bolt M16-6gx45.88.35.019 GOST 7796-70
	21		42	Bolt M16-6gx50.88.35.019 GOST 7796-70
	22		2	Nut M16-6H.6.019 GOST 5915-70
	23		4	Nut M18-6H.6.019 GOST 5915-70
	24		3	Nut M20-6H.6.019 GOST 5915-70
	26		2	Washer S 16.01.019 GOST 11371-78
	27		54	Washer 16 OT OST 37.001.115-75
	28		3	Washer 20 OT OST 37.001.115-75

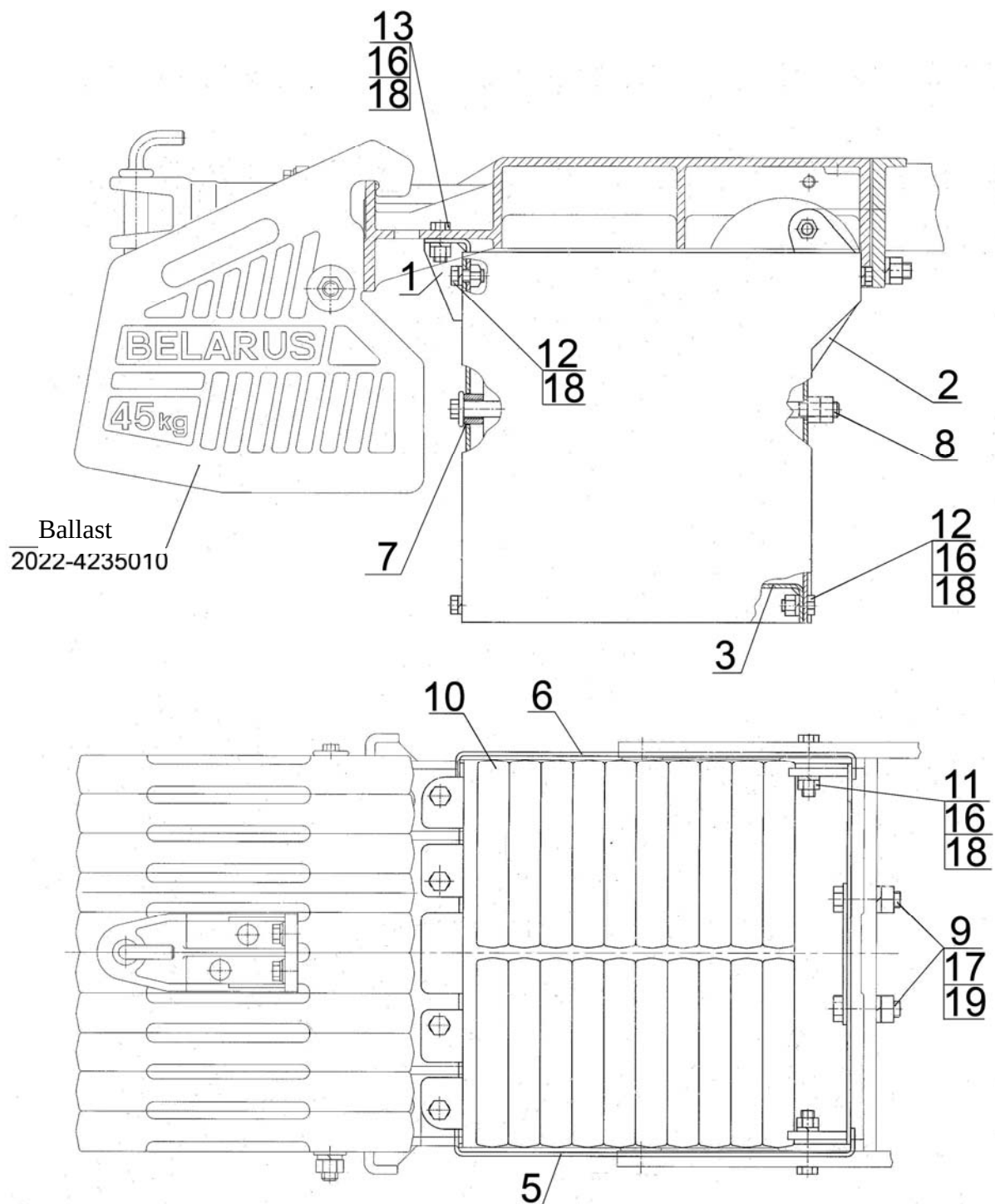


Fig. 42.9 Additional ballast

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
42.9		2022-4235025-A	1	Additional ballast
	1	2022-4235020	1	Side member
	2	2022-4235040	1	Side member
	3	2022-4235050	1	Base
	4	70-4235011	20	Weight
	5	2022-4235039	1	Wall
	6	2022-4235039-01	1	Wall
	7	2022-4235041	2	Bushing
	8	1025-4235015-05	2	Bar
	9	70-4605036-03	2	Bolt
	11		2	Bolt M16-6gx70.88.35.019 GOST 7795-70
	12		12	Bolt M16-6gx32.88.35.019 GOST 7796-70
	13		4	Bolt M16-6gx40.88.35.019 GOST 7796-70
	16		10	Nut M16-6H.6.019 GOST 5915-70
	17		6	Nut M20-6H.6.019 GOST 5915-70
	18		18	Washer 16 OT OST 37.001.115-75
	19		2	Washer 20 OT OST 37.001.115-75

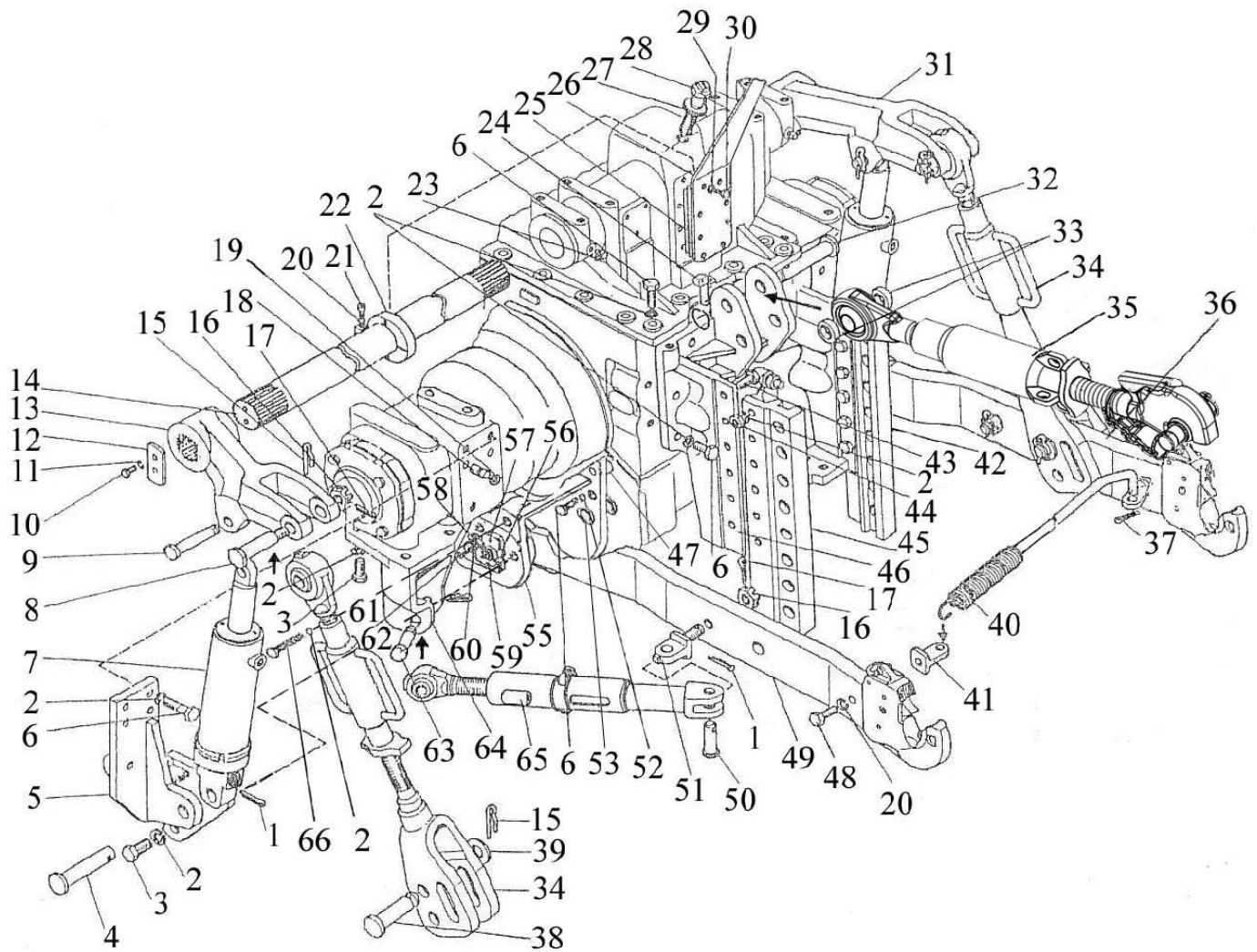


Fig. 46.1 Hitch

Group 46. Remote-cylinder hydraulic system
Subgroup 4605. Hitch

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.1	1	5x45.019 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	2022-4605016-A1 2022-4605016-A1-01	1 1	Left bracket Right bracket
	6	70-4605036	24	Bolt
	7	4600.06	2	Cylinder TS90x50x250
	8	1522-4605008	2	Pin
	9	1522-4605037	2	Pin
	10	M12-6gx25.88.35.019 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	5x45.019 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
	21	M10-6gx45.56.019 GOST 11738-84	1	Screw
	22	1522-4605025 574802	1	Eccentric (Bosch system) Cam K-01 LBIE.305654.005 (Izmeritel system)
	23	1.3TS9chr. 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	Position sensor R917001941 (Bosch system) Position sensor DP-01 (Izmeritel system)
	29	8T OST 37.001.115-75	8	Washer
	30	M8-6gx25.88.35.019 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	Drop link
	35	1522-4605090-B 1522-4605090-B-01	1	Upper link (with Walterscheid hook of cat.3) Upper link (with joint)
	36	1522-4605030 1522-4605230 1522-4605030-01	1	Right link (with Walterscheid hook of cat.3) Right link (with MTZ hook of cat.3) Link (with joint)
	37	3,2x25.019 GOST 397-79	1	Split pin
	38	1522-4605033	2	Pin
	39	1522-4605032	2	Washer

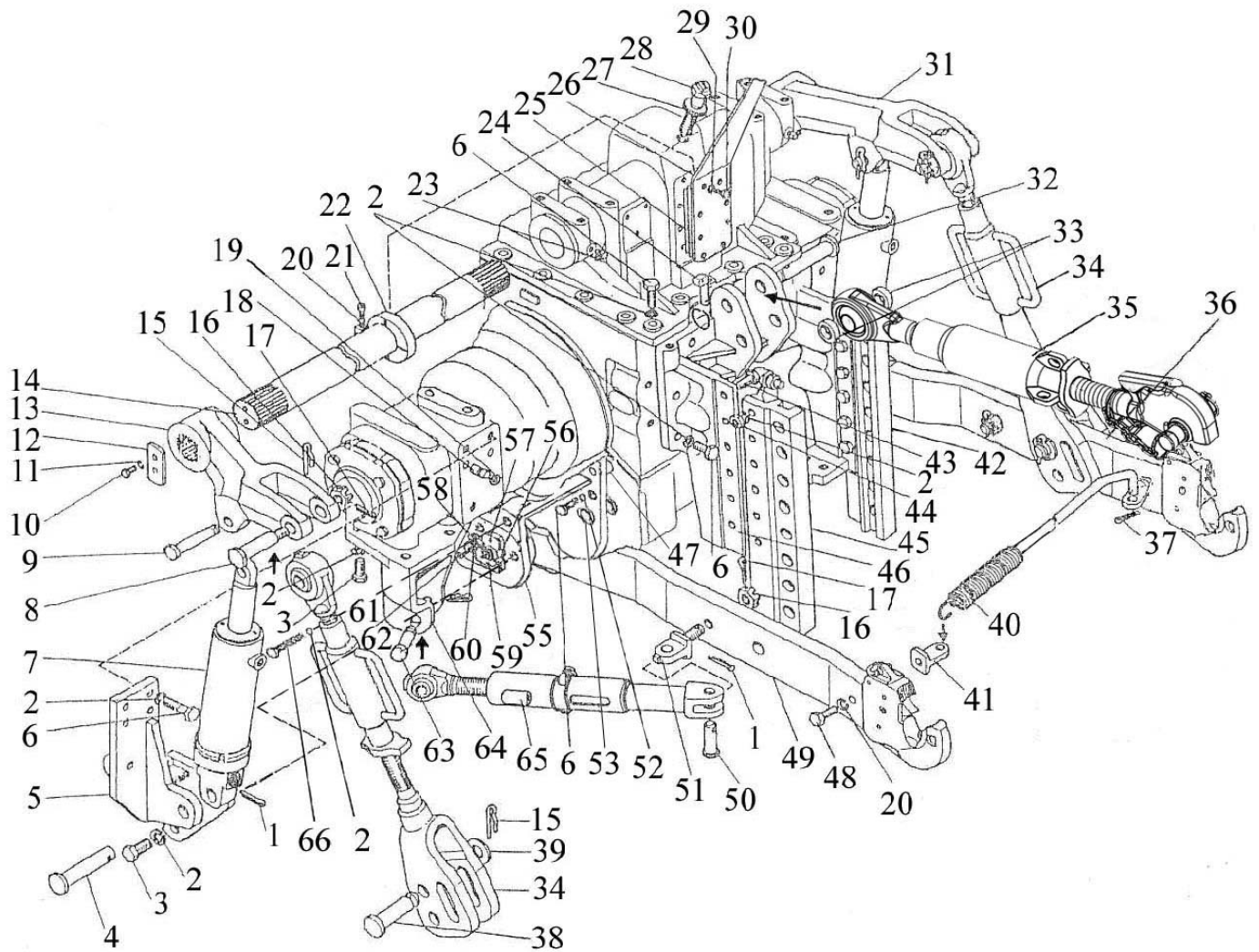


Fig. 46.1 Hitch

Group 46. Remote-cylinder hydraulic system
Subgroup 4605. Hitch

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.1	40	576214	1	Connecting rod Walterscheid 090243
	41	1522-4605038	2	Eyelet
	42	2022-2707062	1	Left guide
	43	1522-2707149-01	12	Bolt
	44	M20x1,5-6H.04.019 GOST 15522-70	12	Nut
	45	2022-2707062-01	1	Right guide
	46	1522-2707061-B	1	Bracket
	47	1220-4605507	2	Dowel
	48	M10-6gx50.88.35.019 GOST 7795-70	2	Bolt
	49	1522-4605035 1522-4605230-01 1522-4605030-01	1	Left link (with Walterscheid hook of cat.3) Left link (with MTZ hook of cat.3) Link (with joint)
	50	1522-4605121	2	Pin
	51	1522-4605034	2	Eyelet
	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	Force sensor R91700165 (Bosch system) 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	M10-6gx35.56.019 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	Turnbuckle
	66	2022-4605028	2	Bolt

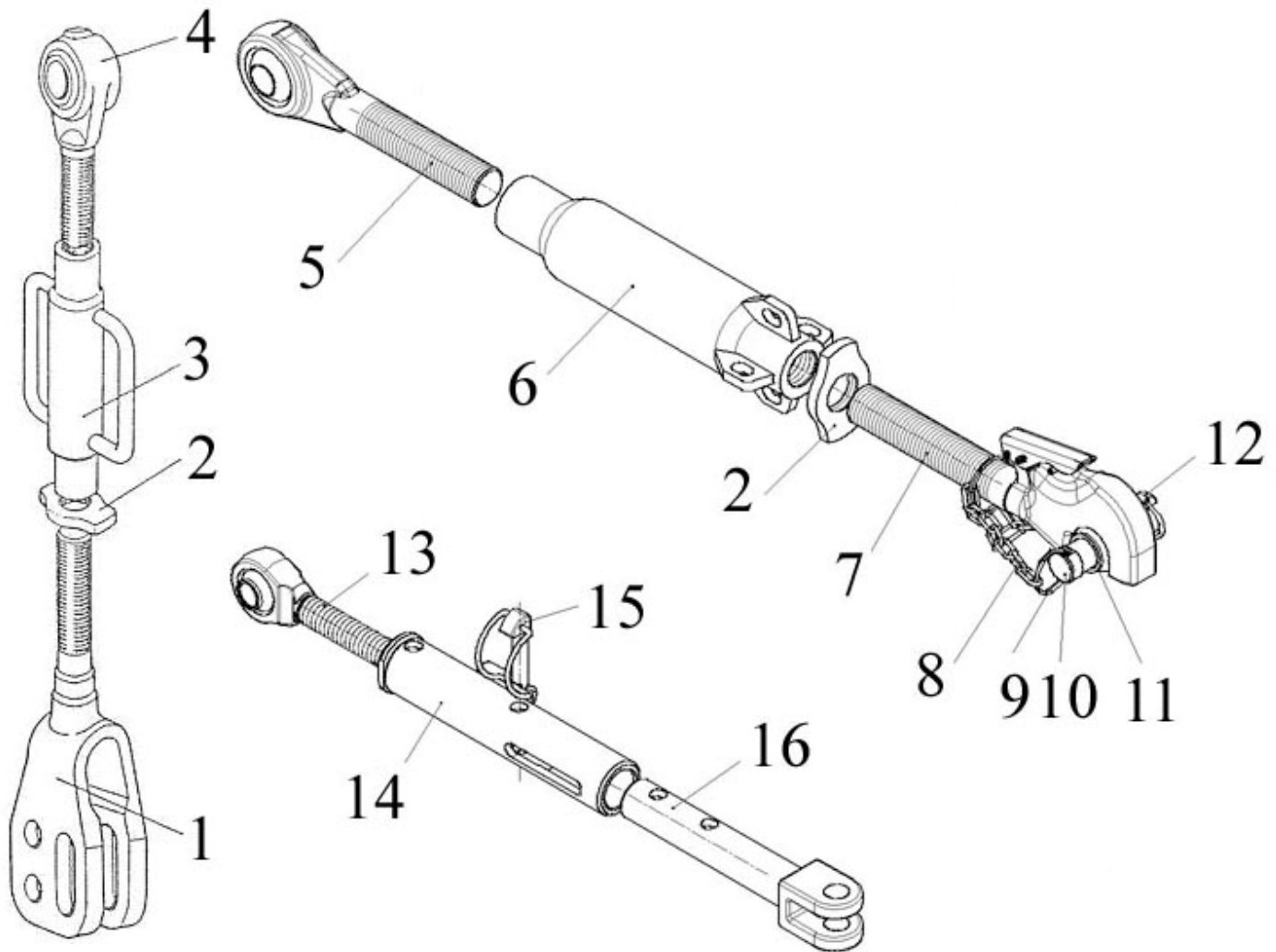


Fig. 46.2 Units and elements of link linkage

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.2		1522-4605060		Drop link (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)
	5	1522-4605065-01	1	Screw
	6	3022-4606215	1	Pipe
	2	1522-4605071	1	Locknut
	7	1522-4605100 1522-4605065-02	1	Hook (screw with Walterscheid hook) 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
	12	A61.05.100	1	Cotter key
		1522-4605120		Turnbuckle (13-16)
	13	1522-4605125	1	Screw
	14	1522-4605130	1	Guide
	15	1522-4605140	1	Cotter key
	16	1522-4605135	1	Slide bar

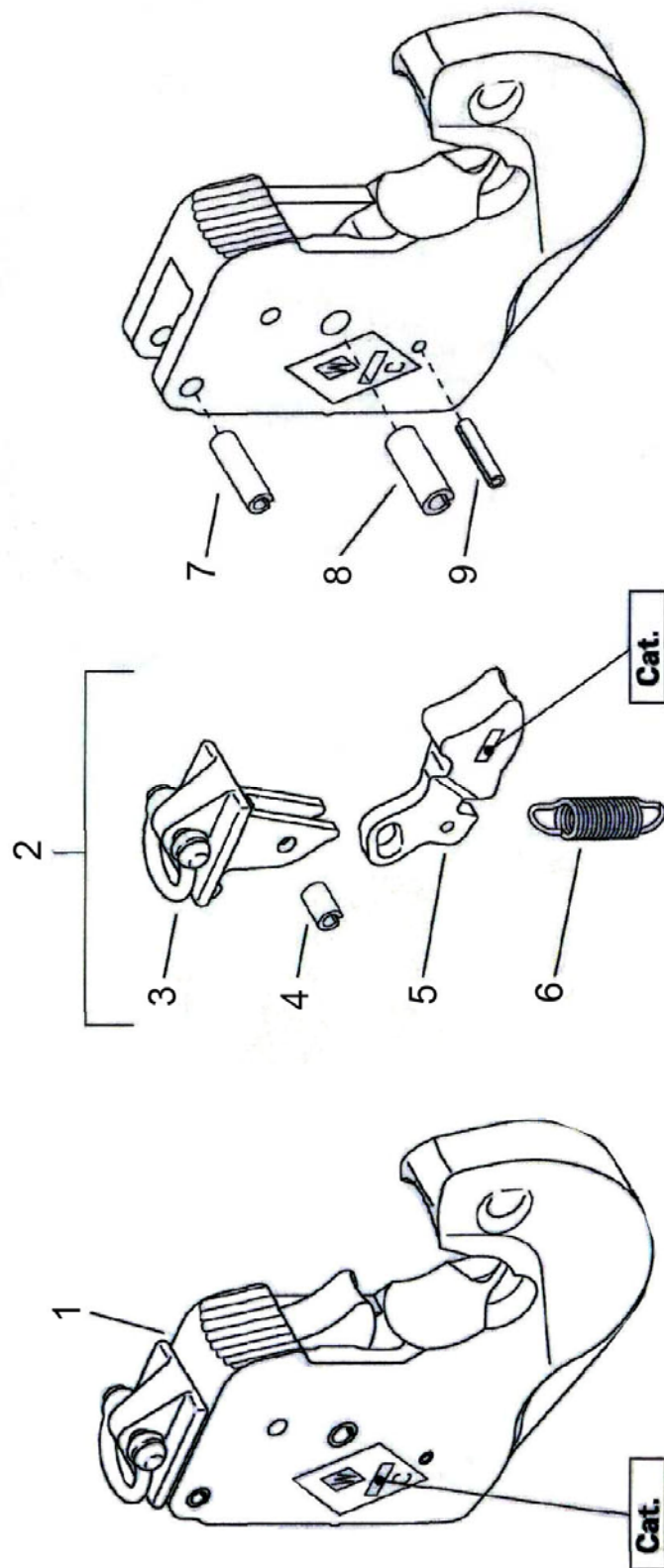


Fig. 46.3 Walterscheid hook

Group 46. Hydraulic system
Subgroup 4606. Hook “Walterscheid” cat. 2

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.3	1	574934	1	Lower hook 204586
	2	506618	1	Latch kit S 200001
	3	506620	1	Drive mechanism cover 200029
	4	506622	1	Spring dowel 8x16 308511
	5	506623	1	Latch S 308515
	6	506625	1	Spring 308524
	7	506628	1	Spring dowel 10x32 099432
	8	506628	1	Spring dowel 10x32 099432
	9	506631	1	Spring dowel 6x28 010486

Group 46. Hydraulic system
Subgroup 4605. Hook “Walterscheid” cat.3

Fig.No	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 8x18 309988
	5	506626	1	Latch S 308578
	6	506625	1	Spring 308524
	7	506624	1	Spring dowel 10x36 308520
	8	506630	1	Spring dowel 13x36 099599
	9	506629	1	Spring dowel 6x32 099435

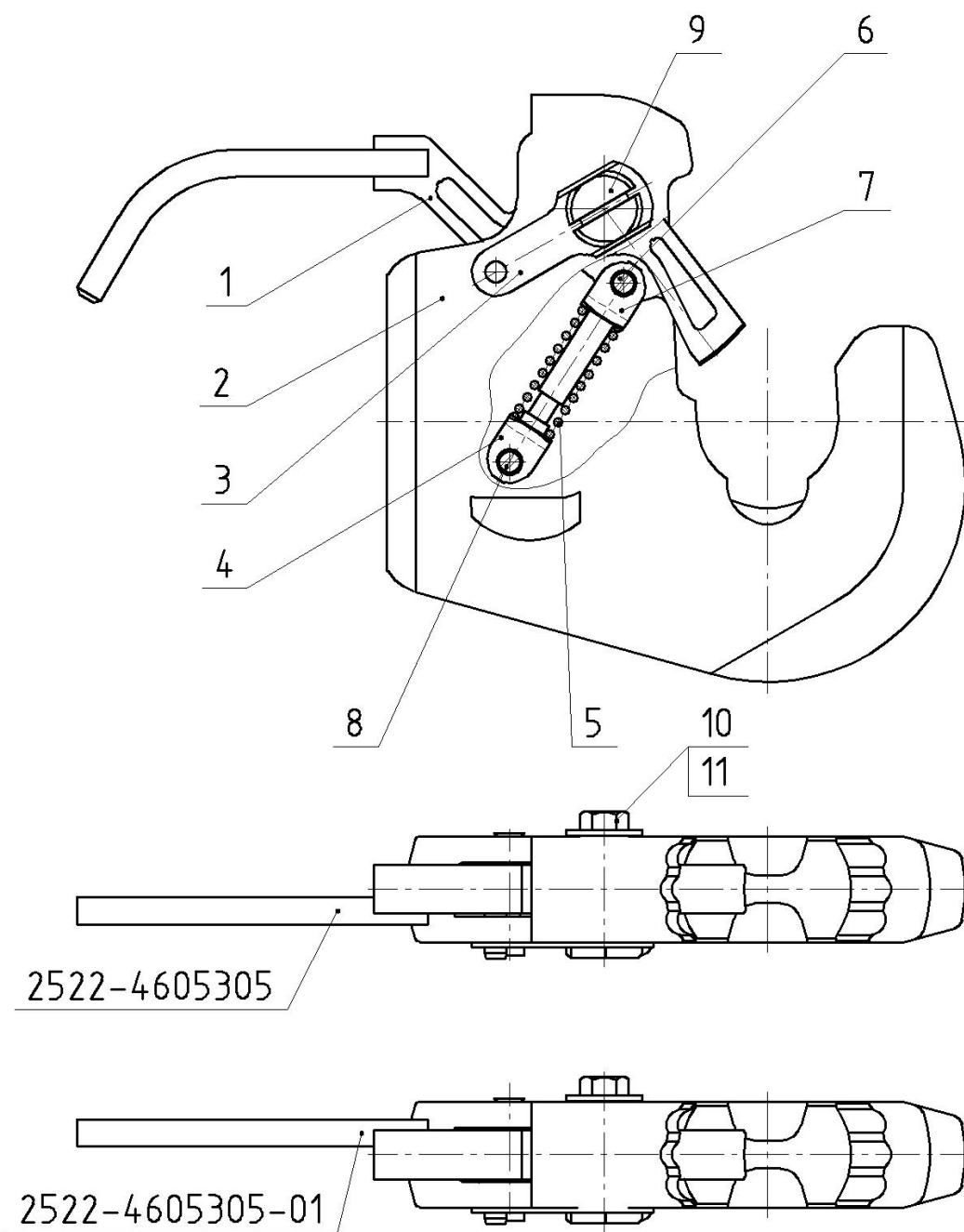


Fig. 46.4 MTZ Hook

Group 46. Hydraulic system
Subgroup 4605. Hook 2522-4605300/-01 "MTZ" cat.3

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

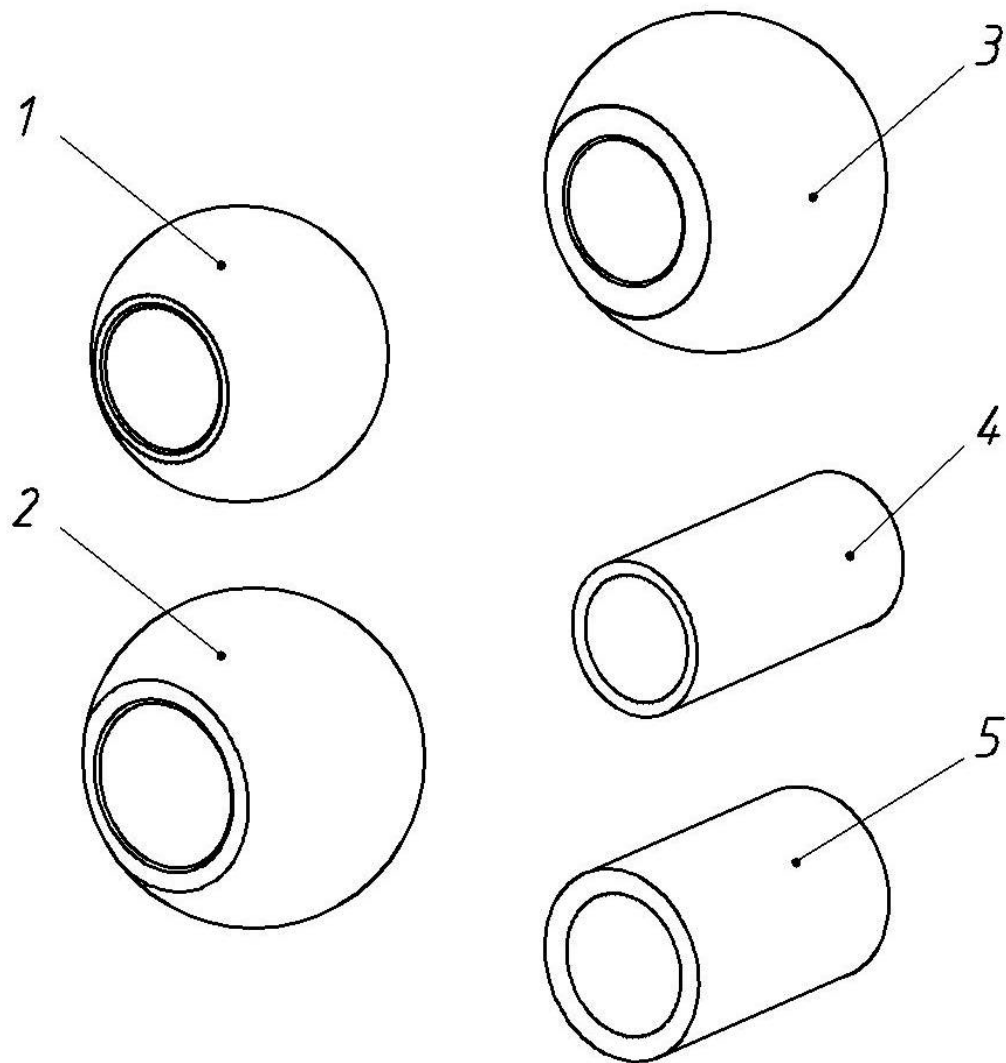


Fig. 46.5 Pivot joints and transition elements

Group 46. Hydraulic system
Subgroup 4605. Pivot joints and transition elements

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.5	1	80-4605693	1	Pivot cat. 2 – front lift linkage
	2	W1522-4605558	1	Pivot cat.3 – rear lift linkage (for links with Walterscheid and MTZ hooks)
	3	W1522-4605558-01	1	Adapter pivot from cat.3 to cat.2 (for links with 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)

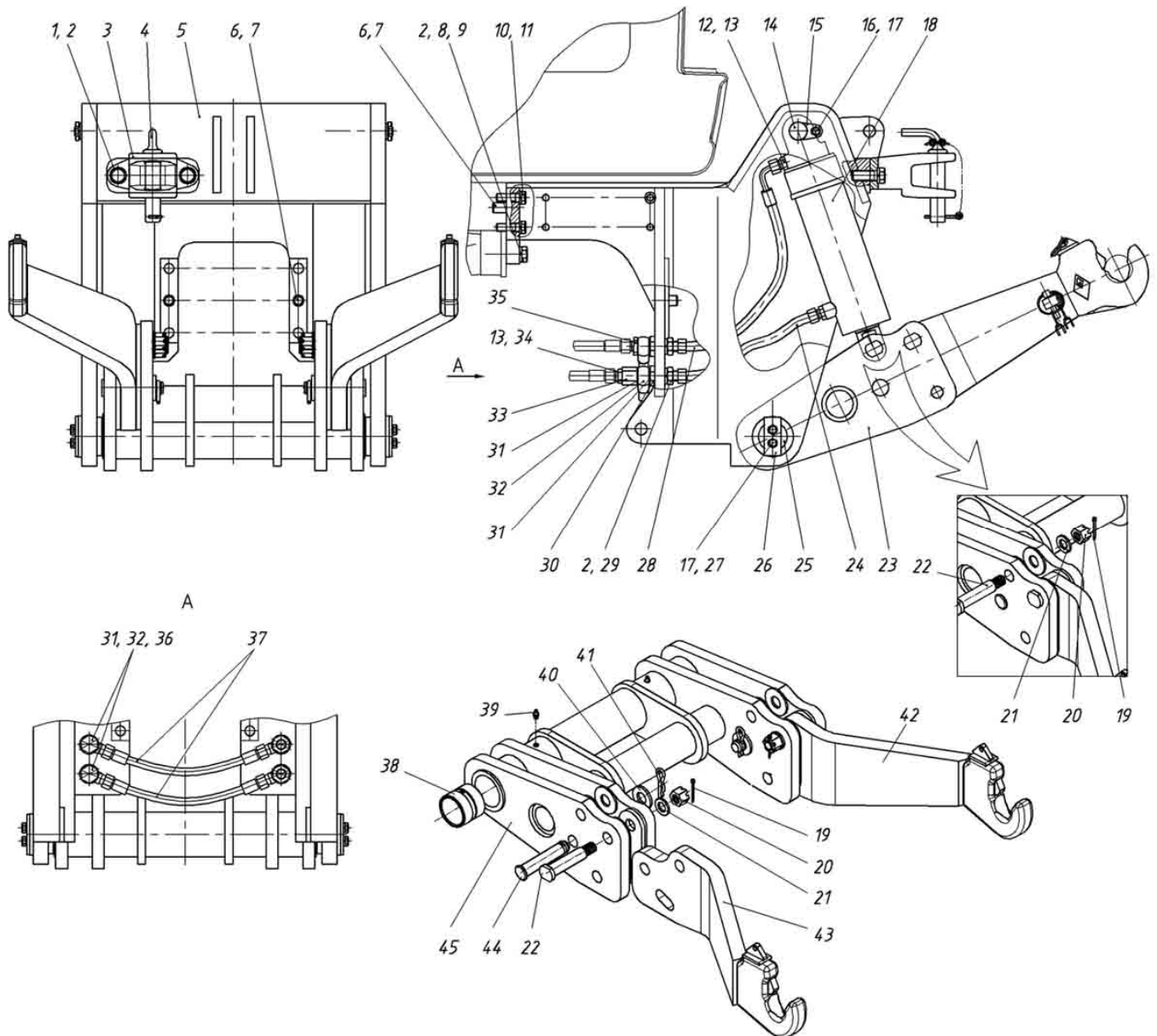


Fig 46.6 Front lift linkage

Group 46. Hydraulic system
Subgroup 4606. Front lift linkage

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.6	1	M20-6gx50.88.35.019 GOST 7796-70	2	Bolt
	2	20 OT OST 37.001.115-75	8	Washer
	3	80-2806011	1	Front drawbar
	4	70-4235030	1	Pin
	5	2022-4606015	1	Bracket
	6	50-4605027	4	Dowel
	7	54.38.619	4	Locking ring
	8	70-4605036-03	2	Bolt
	9	M20-6H.6.019 GOST 5915-70	2	Nut
	10	M16-6gx50.88.35.019 GOST 7796-70	8	Bolt
	11	16 OT OST 37.001.115-75	8	Washer
	12	70-1405089	4	Screw-in fitting
	13	017-021-25-2-2 GOST 18829-73/GOST 9833-73	5	Ring
	14	3022-4606005	2	Pin
	15	1220-4605504	2	Plate
	16	M12-6gx20.88.35.019 GOST 7796-70	2	Bolt
	17	12 OT OST 37.001.115-75	6	Washer
	18	4600.06	2	Hydraulic cylinder TS90x50x250
	19	4x36.019 GOST 397-79	4	Split pin
	20	2522-6700028	4	Nut
	21	S 20.01.019 GOST 11371-78	4	Washer
	22	2022-4606004-01	4	Pin
	23	2022-4606025	1	Lower links unit (pos.19-21, 38-46)
	24	680-4607140-04	2	High-pressure hose Ø10x1 reinforced
	25	3022-4606001-01	1	Axle
	26	1522-4605024-B	2	Washer
	27	M12-6gx25.88.35.019 GOST 7796-70	4	Bolt
	28	680-4607140-12	2	High-pressure hose Ø10x1 reinforced
	29	1321-2707013	4	Nut
	30	2822-4606061	4	Adapter
	31	40-4607038-A	8	Washer
	32	530-4614029	4	Angle piece
	33	S80-4607223	1	Fitting
	34	H.036.65.000-A2-02	1	Delay valve
	35	952-4607061	1	Fitting
	36	40-4607032	2	Securing bolt
	37	PN.036.83.160	2	High-pressure hose Ø10x1 reinforced
	38	70-4605032	2	Bushing
	39	1.3.TS9.chr GOST 19853-74		Oiler
	40	70-4605304-A	2	Washer
	41	A61.07.001	2	Split pin
	42	2022-4606035	1	Link
	43	2022-4606035-01	1	Link
	44	1522-4605037	1	Pin
	45	2022-4606030	1	Lower links frame

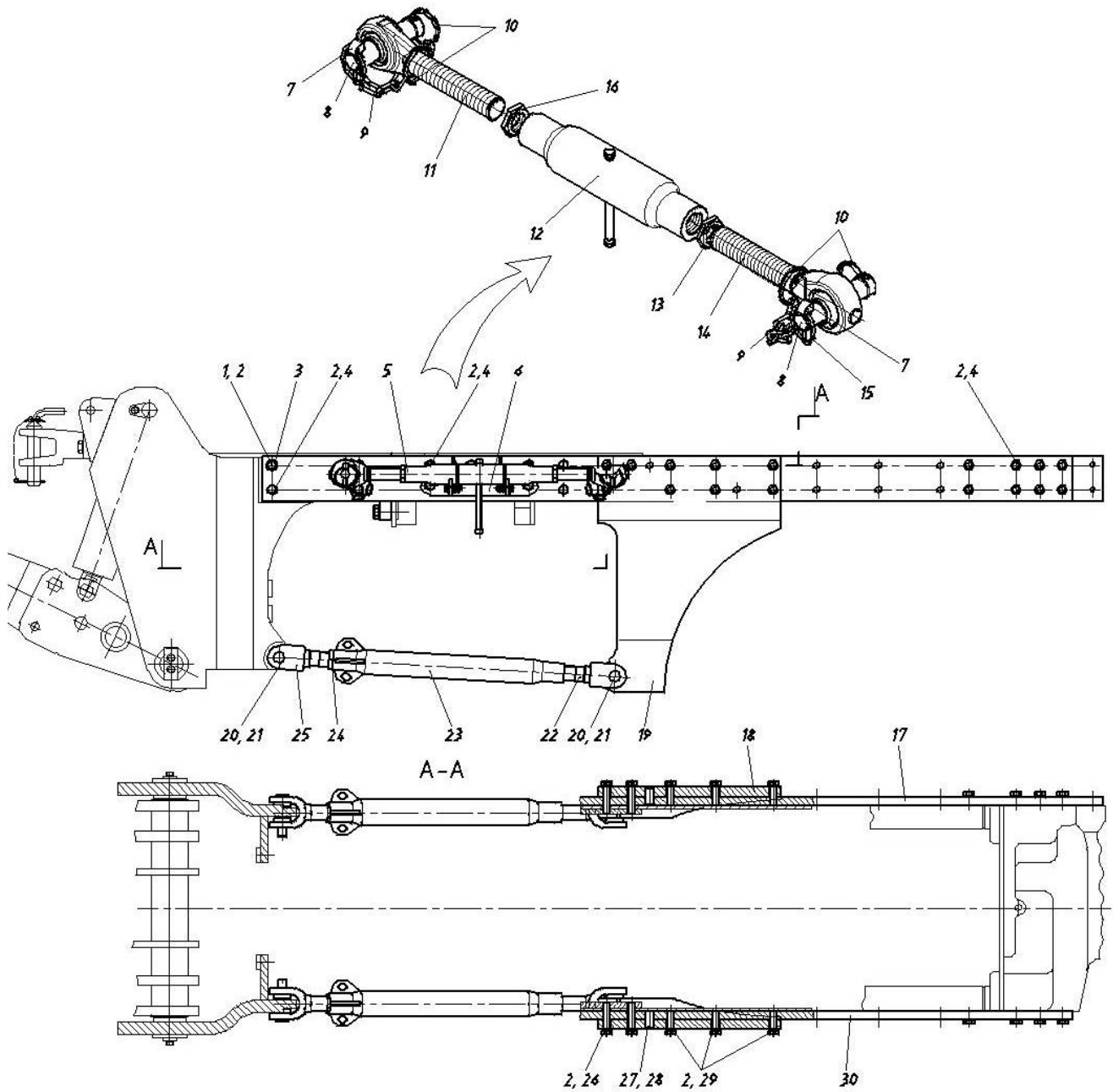


Fig. 46.7 Front lift linkage assembly

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.7		A61.05.100	2	Cotter key (Pos.7, 9, 15)
	1	M16-6gx60.88.35.019 GOST 7795-70	2	Bolt
	2	16 OT OST 37.001.115-75	56	Washer
	3	1521-4235029	2	Bushing
	4	M16-6gx50.88.35.019 GOST 7796-70	36	Bolt
	5	921-4606040	1	Link (Pos. 7-16)
	6	2022-4606090	1	Bracket
	7	A61.05.002	2	Cotter key
	8	A61.03.001-01	2	Pin
	9	A61.08.001	2	Chain
	10	A61.03.002	4	Ring
	11	921-4606095	1	Screw
	12	A61.03.100	1	Pipe
	13	A61.02.003	1	Locknut
	14	A61.02.100-05	1	Screw
	15	A61.05.001	2	Ring
	16	A61.02.003-01	1	Locknut
	17	2022-4235013-B	1	Left plate
	18	2022-4606121-01	1	Strap
	19	2022-4606121	1	Strap
	20	1220-4605084-01 [2]	4	Pin
	21	A61.07.001	4	Split pin
	22	3022-4606210-01	1	Yoke
	23	3022-4606215-01	2	Pipe
	24	1522-4605071	1	Locknut
	25	3022-4606210	1	Yoke
	26	M16-6gx70.88.35.019 GOST 7795-70	6	Bolt
	27	50-4605027	4	Dowel
	28	54.38.619	4	Locking ring
	29	M16-6gx45.88.35.019 GOST 7796-70	12	Bolt
	30	2022-4235012-B	1	Right plate

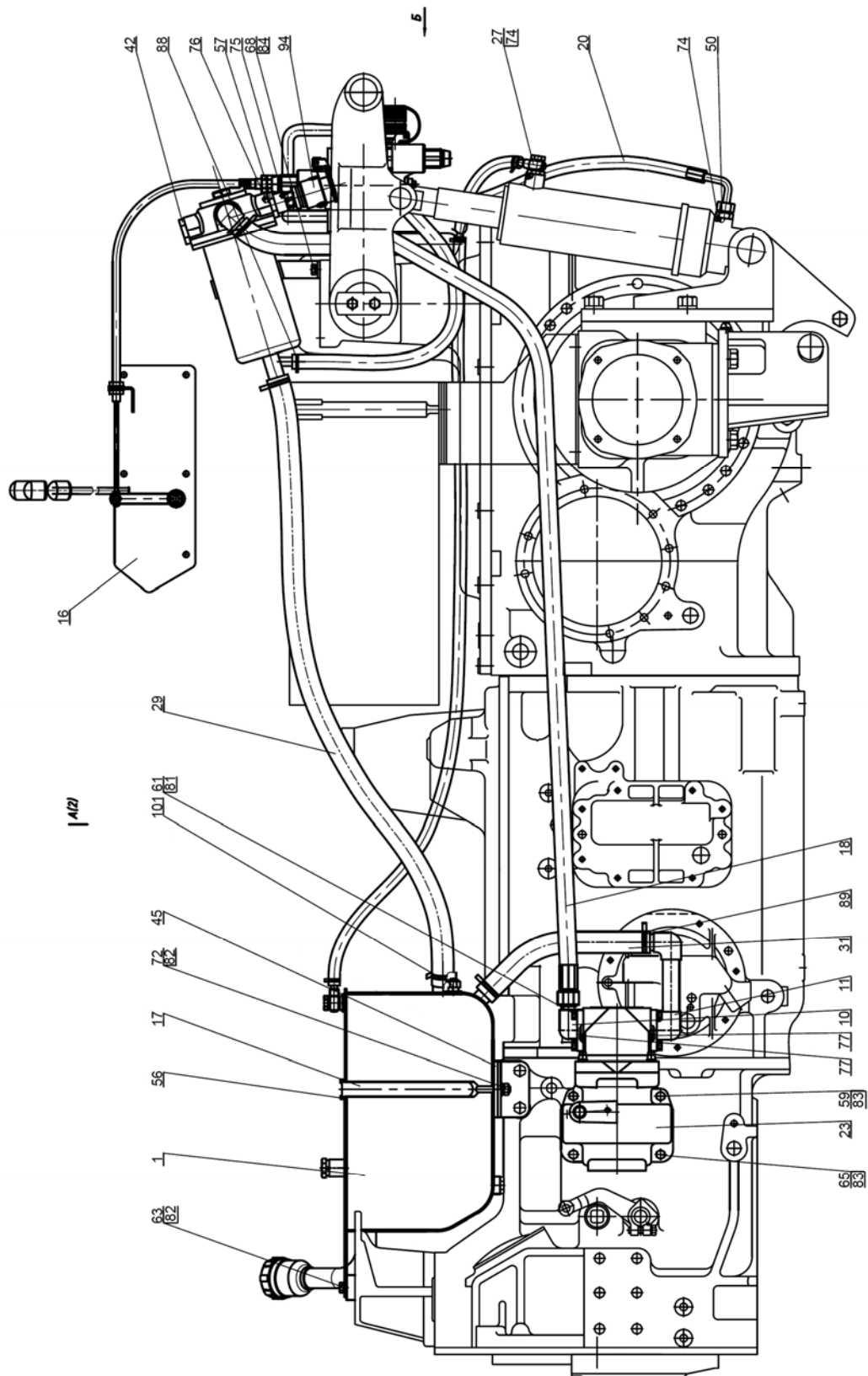


Fig. 46.8 Hydraulic units and fittings

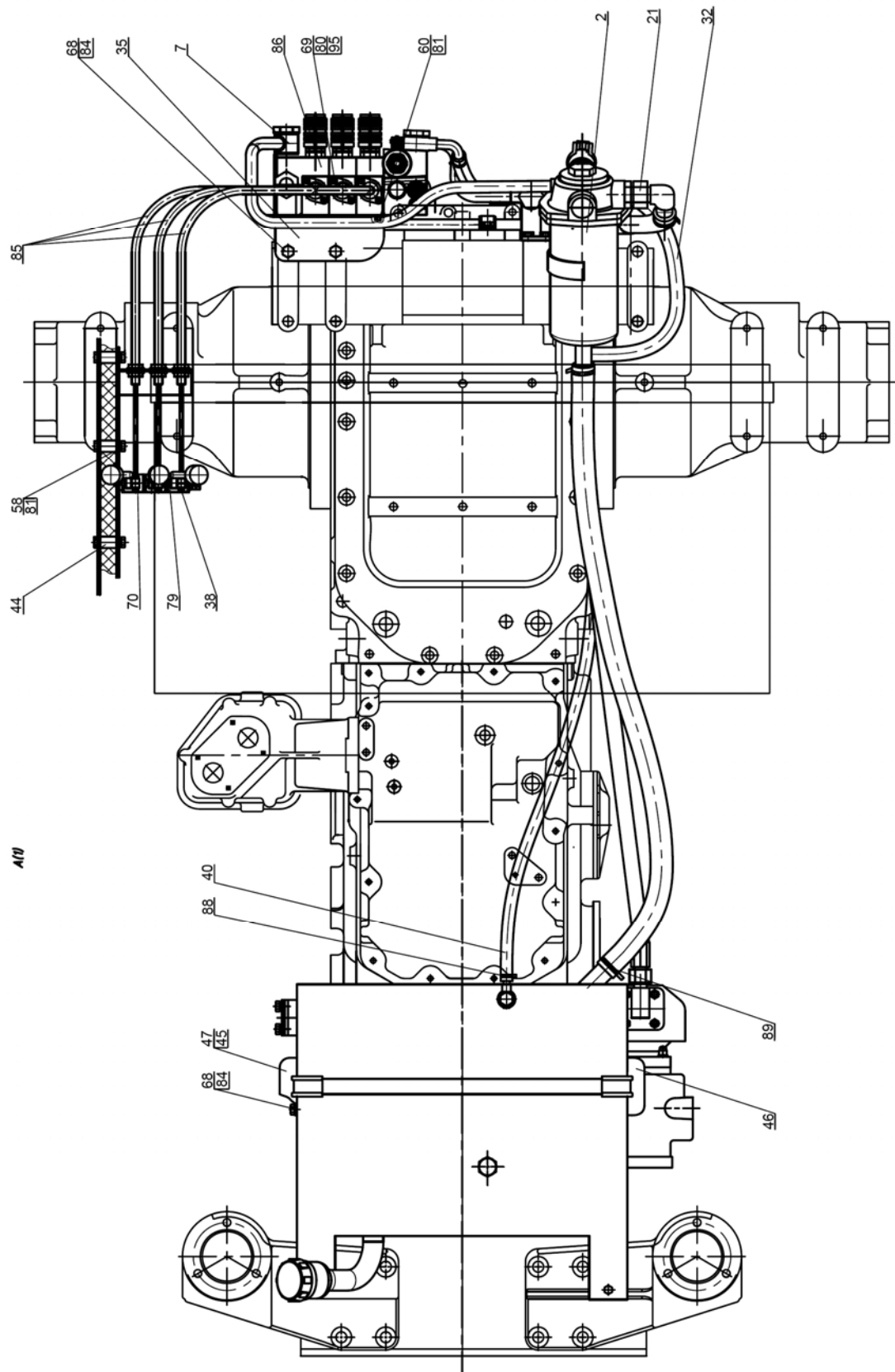


Fig. 46.9 Hydraulic units and fittings

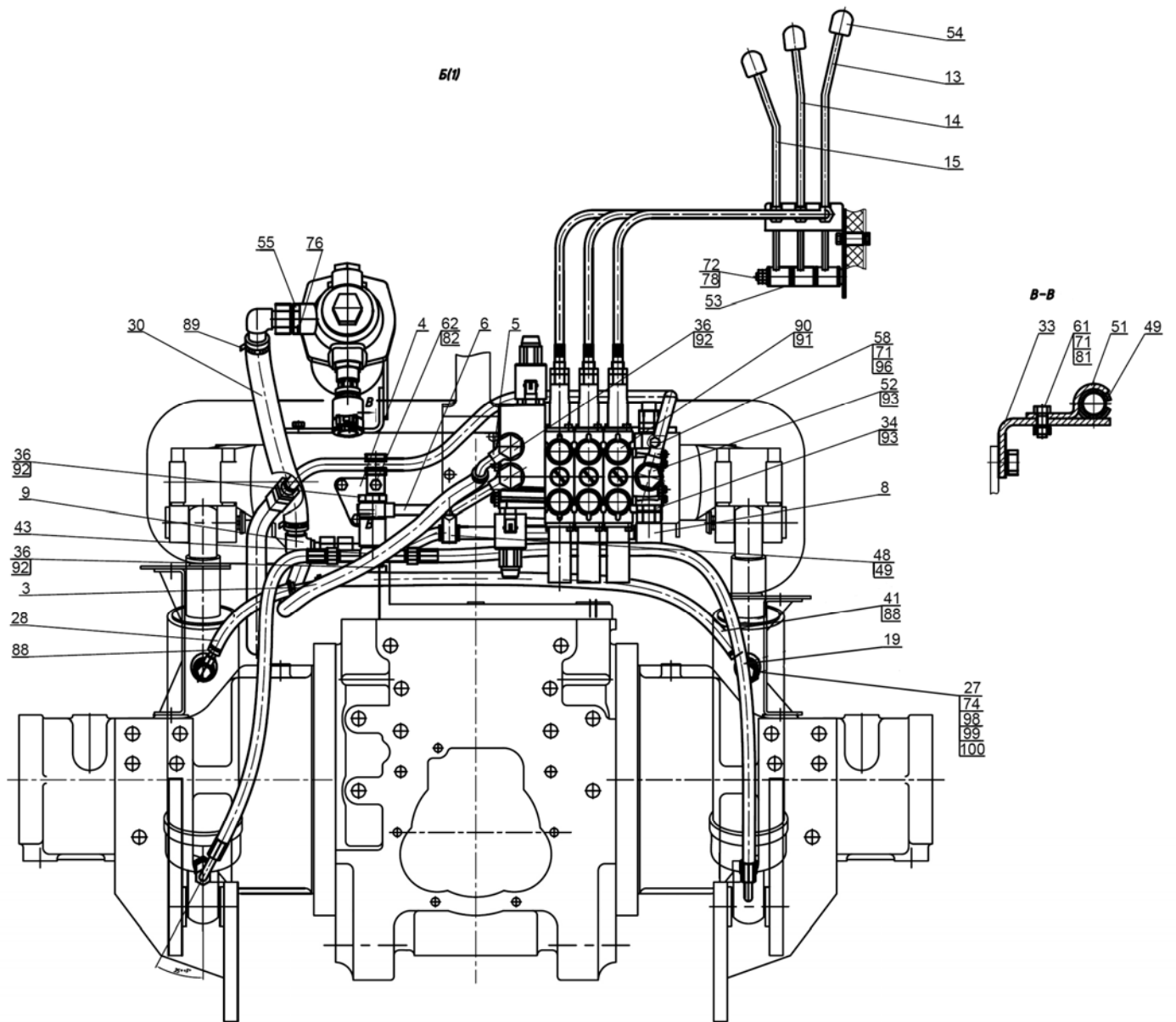


Fig. 46.10 Hydraulic units and fittings

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.8 46.9 46.10		R2022-4600010	1	Hydraulic system
	1	2022-4608210	1	Tank
	2	B2022-4608310	1	Filter
	3	3022-4607120	1	T-piece
	4	1523-4607040	1	Bracket
	5	1523-4607150	1	Pipe
	6	R1523-4607075	1	Pipe
	7	R1523-4607085	1	Pipe
	8	R1523-4607160	1	Pipe
	9	R1523-4607180	1	Fitting
	10	1522-4607020	1	Connecting pipe
	11	1522-4607090	1	Pipe
	13	1523-4607230	1	Lever
	14	1523-4607230-01	1	Lever
	15	1523-4607230-02	1	Lever
	16	1522-4607250	1	Bracket
	17	1522-4608230	1	Clamp band
	18	P80-4607120-07	1	High-pressure hose Ø16x2 reinforced
	19	680-4607140-06	1	High-pressure hose Ø10x1 reinforced
	20	680-4607140-13	1	High-pressure hose Ø10 reinforced
	21	680-4607510	1	Connecting pipe
	23	100-4617110-01	1	Pump drive
	27	F80-3407720	2	Oil pipeline
	28	R2022-4607063	1	Hose10x18,5-1,6 GOST10362-76 L=(200±5) mm
	29	R2022-4607061	1	Hose25x35-1,6 GOST10362-76 L=(1200±5)mm
	30	R2022-4607061-01	1	Hose 25x35-1,6 GOST10362-76 L=(400±5)mm
	31	R2022-4607061-02	1	Hose25x35-1,6 GOST10362-76 L=(340±3) mm
	32	R2022-4607062	1	Hose 14x23-1,6 GOST10362-76 L=(900±5)mm
	33	1523-4607013	1	Bracket
	34	R1523-4607001	1	Fitting
	35	R1523-4607121	1	Bracket
	36	1522-4607011-A	4	Bolt
	38	1522-4607017	3	Pin
	40	R2022-4607063-01	1	Hose10x18,5-1,6 GOST10362-76 L=(1520±5) mm
	41	R2022-4607063-02	1	Hose10x18,5-1,6 GOST10362-76 L=(620±5) mm
	42	80-4608021	1	Blind plug
	43	1522-4607078	1	Angle piece

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.8 46.9 46.10	44	1522-4607252	5	Bushing
	45	1522-4608234	2	Gasket
	46	1522-4608237	1	Bracket
	47	1522-4608238	1	Bracket
	48	70-3407163-01	1	Clip
	49	70-3506027	2	Bushing
	50	70-1405089	2	Screw-in fitting
	51	50-4607041	1	Bracket
	52	40-4607037	1	Bolt
	53	A61.01.017	6	Bushing
	54	A13.11.000	3	Handle
	55	S80-4607034	1	Fitting
	56	PR-43-02	2	Sealant UM6a
	57	921-4608216	1	Fitting
	58		7	Bolt M8-6gx40.88.35.019 GOST 7795-70
	59		2	Bolt M12-6gx150.58.019 GOST 7795-70
	60		2	Bolt M8-6gx20.88.35.019 GOST 7796-70
	61		9	Bolt M8-6gx25.88.35.019 GOST 7796-70
	62		3	Bolt M10-6gx25.88.35.019 GOST 7796-70
	63		2	Bolt M10-6gx20.88.35.019 GOST 7796-70
	65		2	Bolt M12-6gx30.88.35.019 GOST 7796-70
	68		6	Bolt M16-6gx32.88.35.019 GOST 7796-70
	69		6	Screw V.M6-6gx16.58.019 GOST 17473-80
	70		3	Nut M6-6H.6.019 GOST 5915-70
	71		3	Nut M8-6H.6.019 GOST 5915-70
	72		4	Nut M10-6H.6.019 GOST 5915-70
	74		4	Ring 017-022-30-1-4 GOST 18829-73/GOST 9833-73
	75		1	Ring 021-024-19-2-2 GOST 18829-73/GOST 9833-73
	76		3	Ring 027-032-30-1-4 GOST 18829-73/GOST 9833-73
	77		2	Ring 035-040-30-1-4 GOST 18829-73/GOST 9833-73
	78		1	Washer S 10.01.019 GOST 11371-78
	79		3	Split pin 3,2x18.019 GOST 397-79
	80		6	Washer 6T OST 37.001.115-75
	81		18	Washer 8T OST 37.001.115-75
	82		7	Washer 10 OT OST 37.001.115-75
	83		4	Washer 12 OT OST 37.001.115-75
	84		6	Washer 16 OT OST 37.001.115-75
	85		3	Cable wire RP70
	86		1	Hydraulic module RP70-1523.1
	88	5000.02	8	Clamp with worm thread 16-27
	89	5000.04	6	Clamp with worm thread 25-40
	90	4600.13	6	Quick coupling
	91	4600.20	8	Washer RM1/2
	92	4600.21	8	Washer RM22
	93	4600.22	3	Washer RM24

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.8 46.9 46.10	94	4600.70	1	Coupling DU=20mm
	95		6	Washer S 6.01.019 GOST 11371-78
	96		2	Washer S 8.01.019 GOST 11371-78
	98	1021-4803158	2	Adapter
	99	D18-051	2	Bolt
	100	4600.18	4	Washer RM14
	101		1	Temperature signaling sensor TM111-12 TU 37.003.569-2007

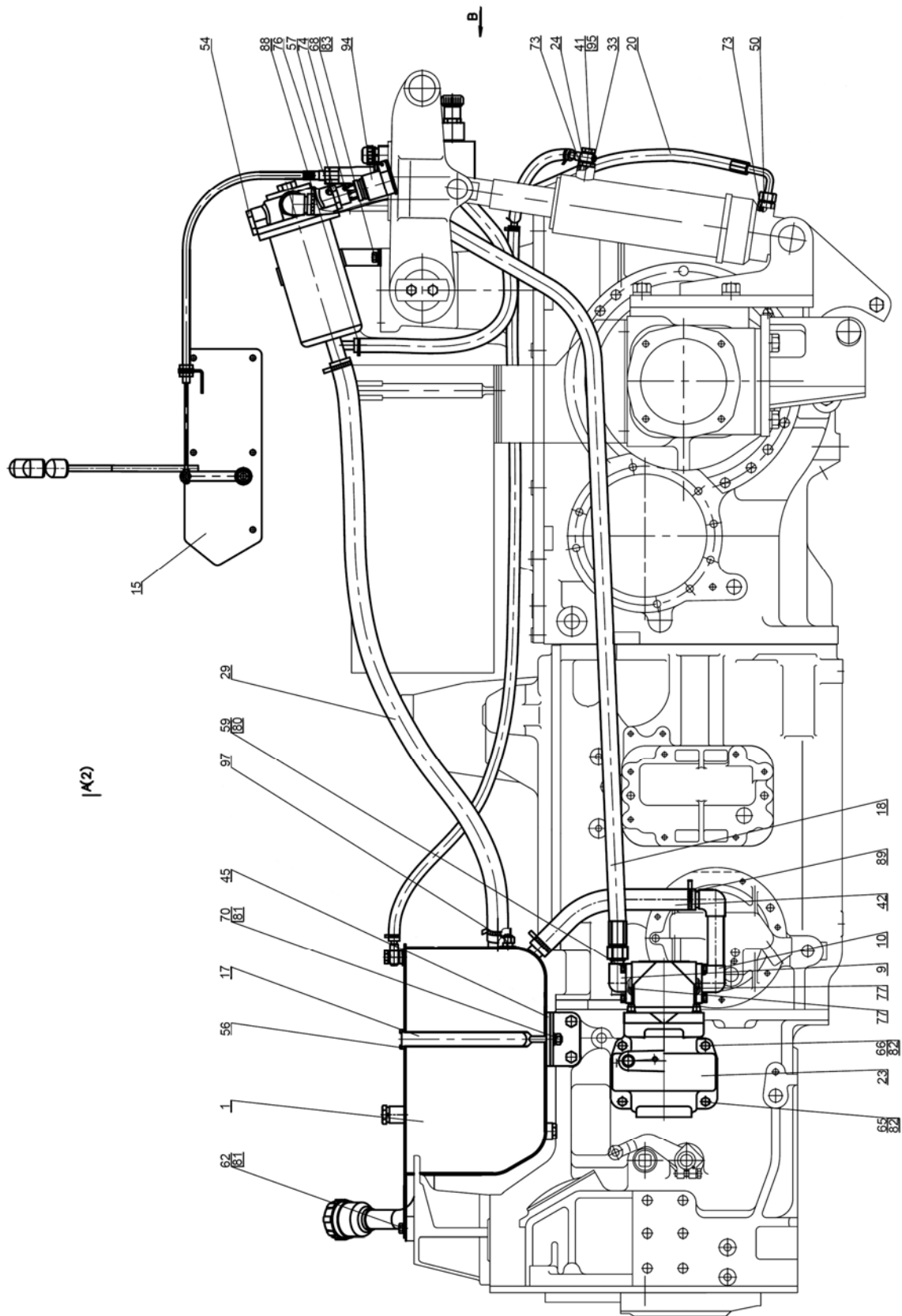


Fig. 46.11 Hydraulic units and fittings

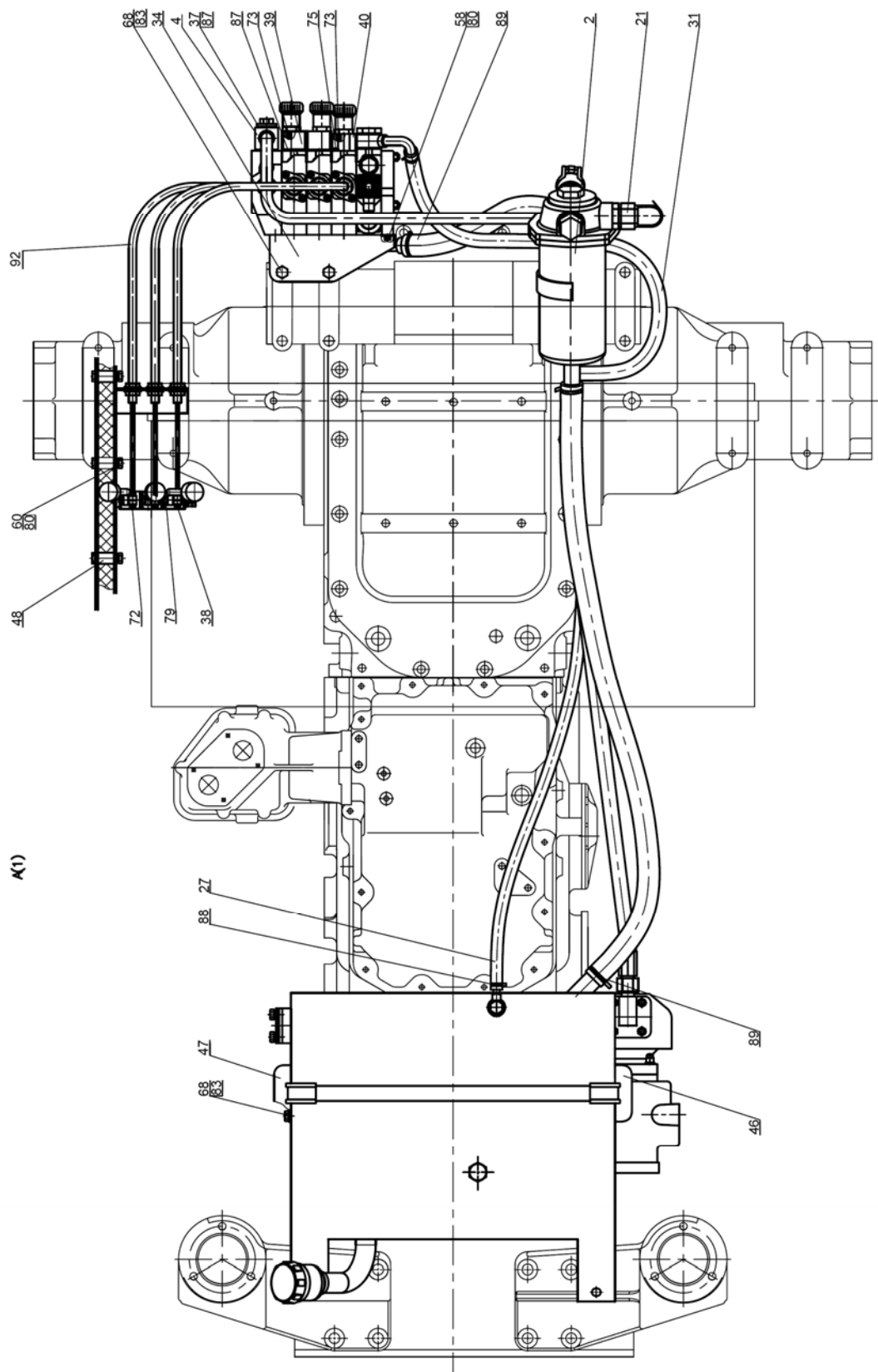


Fig. 46.12 Hydraulic units and fittings

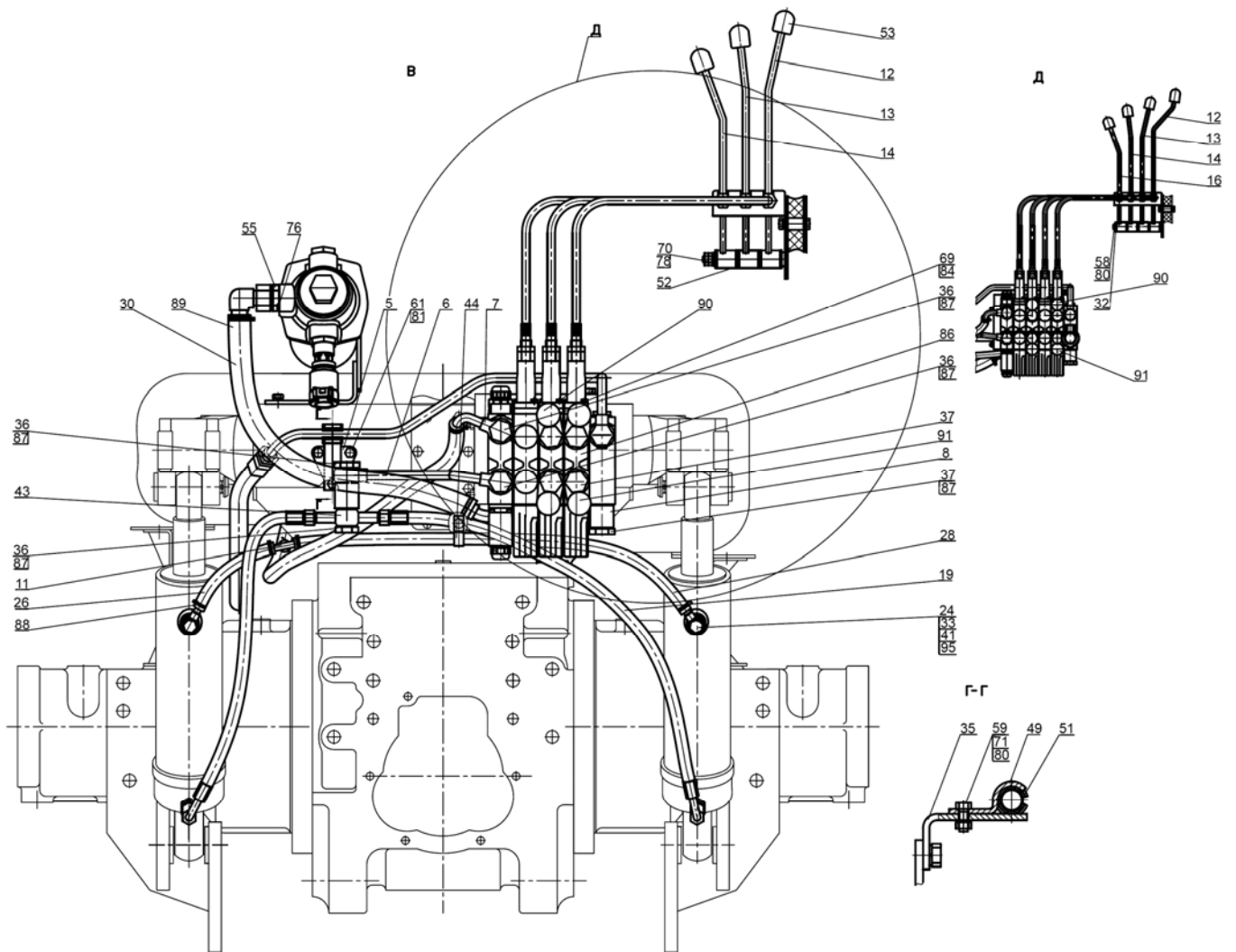


Fig. 46.13 Hydraulic units and fittings

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.11 46.12 46.13		B2022-4600010	1	Hydraulic system
		B2022-4600010-01*	1	Hydraulic system
	1	2022-4608210	1	Tank
	2	B2022-4608310	1	Filter
	4	1523-4607085	1	Pipe
	5	1523-4607040	1	Bracket
	6	1523-4607075 (2022-4607075*)	1	Pipe
	7	1523-4607150	1	Pipe
	8	1523-4607160	1	Pipe
	9	1522-4607020	1	Connecting pipe
	10	1522-4607090	1	Pipe
	11	3022-4607120	1	T-piece
	12	1523-4607230	1	Lever
		2022-4607230*	1	Lever
	13	1523-4607230-01	1	Lever
		2022-4607230-01*	1	Lever
	14	1523-4607230-02	1	Lever
		2022-4607230-02*	1	Lever
	15	1522-4607250	1	Bracket
		2022-4607250*	1	Bracket
	16	2022-4607230-03*	1	Lever
	17	1522-4608230	1	Clamp band
	18	P80-4607120-07	1	High-pressure hose Ø16x2 reinforced
	19	680-4607140-06	1	High-pressure hose Ø10x1 reinforced
	20	680-4607140-13	1	High-pressure hose Ø10 reinforced
	21	680-4607510	1	Connecting pipe
	23	100-4617110-01	1	Pump drive
	24	F80-3407720	2	Oil pipeline
	26	1523-4607063	1	Hose 10x18,5-1,6 GOST10362-76.L=(200±5) mm
	27	1523-4607063-01	1	Hose10x18,5-1,6 GOST10362-76.L=(1520±5) mm
	28	1523-4607063-02	1	Hose10x18,5-1,6 GOST10362-76.L=(670±5) mm
	29	2022-4607061	1	Hose 25x35-1,6 GOST10362-76.L=(1200±5)mm
	30	2022-4607061-02	1	Hose 25x35-1,6 GOST10362-76.L=(600±5)mm
	31	2022-4607062	1	Hose 14x23-1,6 GOST10362-76.L=(900±5)mm
	32	2022-4607237*	1	Washer
	33	1021-4803158	2	Adapter
	34	1523-4607121	1	Bracket
		2022-4607121*	1	Bracket
	35	1523-4607013	1	Bracket
	36	1522-4607011-A	4	Bolt

* -for hydraulic system B2022-4600010-01

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.11 46.12 46.13	37	1522-4607012-A	6	Bolt
	38	1522-4607017	3 (4*)	Pin
	39	2522-4607018	4	Plate
	40	2522-4607019	2 (4*)	Fitting
	41	D18-051	2	Bolt
	42	1522-4607062	1	Hose 25x35-1,6 GOST10362-76.L=(340±3) mm
	43	1522-4607078	1	Angle piece
	44	1221-8700022	1	Clamp
	45	1522-4608234	2	Gasket
	46	1522-4608237	1	Bracket
	47	1522-4608238	1	Bracket
	48	1522-4607252	5	Bushing
	49	50-4607041	1	Bracket
	50	70-1405089	2	Screw-in fitting
	51	70-3506027	1	Bushing
	52	A61.01.017	6 (8*)	Bushing
	53	A13.11.000	3 (4*)	Handle
	54	80-4608021	1	Blind plug
	55	S80-4607034	1	Fitting
	56	PR-43-02	2	Sealant UM6a
	57	921-4608216	1	Fitting
	58		4 (5*)	Bolt M8-6gx20.88.35.019 GOST 7796-70
	59		9	Bolt M8-6gx25.88.35.019 GOST 7796-70
	60		5	Bolt M8-6gx40.88.35.019 GOST 7795-70
	61		3	Bolt M10-6gx25.88.35.019 GOST 7796-70
	62		2	Bolt M10-6gx20.88.35.019 GOST 7796-70
	65		2	Bolt M12-6gx30.88.35.019 GOST 7796-70
	66		2	Bolt M12-6gx150.58.019 GOST 7795-70
	68		6	Bolt M16-6gx32.88.35.019 GOST 7796-70
	69		6(8*)	Bolt M6-6gx16.88.35.019 GOST 7798-70
	70		4 (2*)	Nut M10-6H.6.019 GOST 5915-70
	71		1	Nut M8-6H.6.019 GOST 5915-70
	72		3 (4*)	Nut M6-6H.6.019 GOST 5915-70
	73		10(12*)	Ring 017-022-30-1-4 GOST 18829-73/GOST 9833-73
	74		1	Ring 021-024-19-2-2 GOST 18829-73/GOST 9833-73
	75		2(4*)	Ring 025-029-25-2-2 GOST 18829-73/GOST 9833-73
	76		3	Ring 027-032-30-1-4 GOST 18829-73/GOST 9833-73
	77		2	Ring 035-040-30-1-4 GOST 18829-73/GOST 9833-73
	78		1	Washer S 10.01.019 GOST 11371-78

* - for hydraulic system B2022-4600010-01

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
46.11 46.12 46.13	79		3 (4*)	Split pin 3,2x18.019 GOST 397-79
	80		18 (19*)	Washer 8T OST 37.001.115-75
	81		7	Washer 10 OT OST 37.001.115-75
	82		4	Washer 12 OT OST 37.001.115-75
	83		6	Washer 16 OT OST 37.001.115-75
	84		6 (8*)	Washer 6T OST 37.001.115-75
	86		1	Integrated unit ZMS23-LS R917 001 488 (Integrated unit ZMS23-LS R917 001 562*)
	87	4600.21	20	Washer RM22
	88	5000.02	8	Clamp with worm thread 16-27
	89	5000.04	6	Clamp with worm thread 25-40
	90	4600.11	3 (4*)	Red quick coupling
	91	4600.12	3 (4*)	Green quick coupling
	92	4600.35	3 (4*)	Cable wire for "Bosch" levers
	94	4600.70	1	Coupling DU=20mm
	95	4600.18	4	Washer RM14
	97		1	Temperature signaling sensor TM111-12 TU 37.003.569-2007

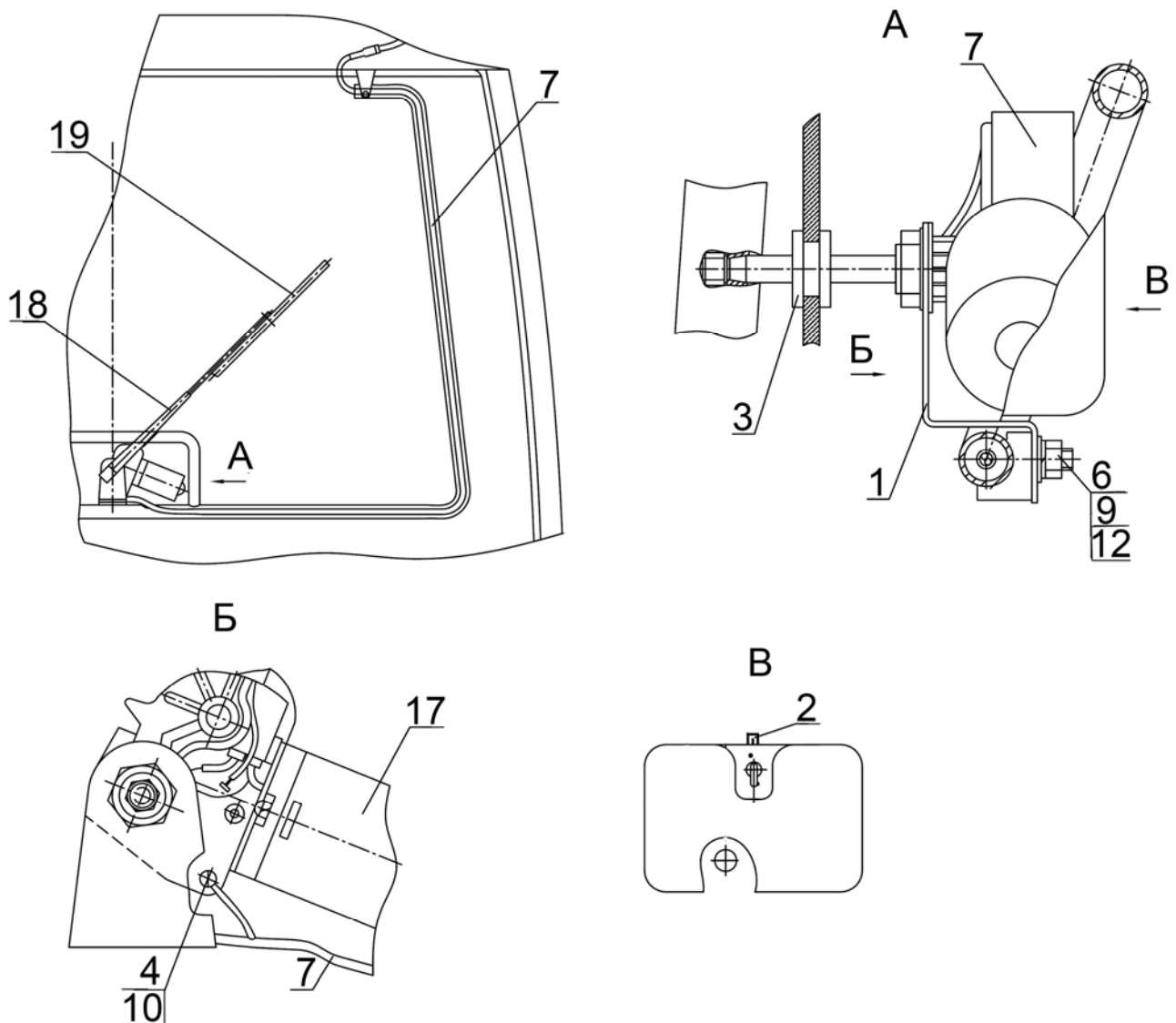
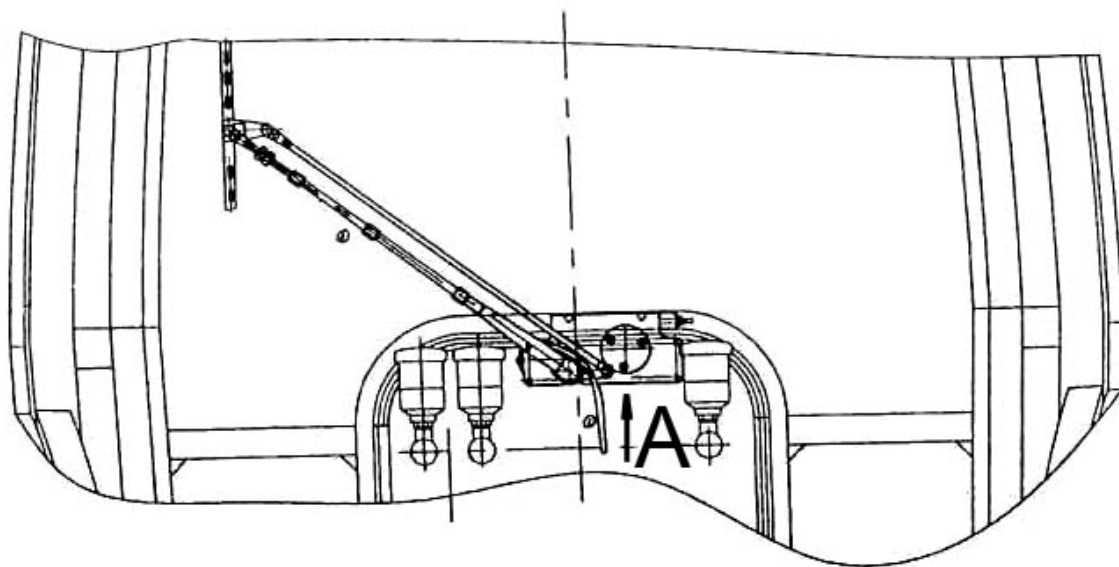


Fig. 52.1 Rear screen wiper assembly

Group 52. Windscreen wiper
Subgroup 5205. Rear screen wiper assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
52.1		923-5205020	1	Rear screen wiper assembly
	1	923-5205022-B	1	Bracket
	2	1522-3903018	1	Decorative sticker
	3	822-5205043	1	Bushing
	4		1	Screw V.M4-6gx12.58.019 GOST 17473-80
	6		2	Nut M8-6H.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 Windscreen wiper drive A18-45.00.100 "ZAO 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", Poland" or Wiper lever 20.5215 300 TU 37.459.330-2005 "OAO KZAE", Kaluga or Lever A18-45.00.200 "ZAO 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 or Wiper blade 450.04.00 ""ZEM", Polen or Wiper blade 450V.5205 TU BY 300149331.043-2010 "RUP EVIRET", or Wiper blade 20.5215 400 TU 37.459.331-2005 "OAO KZAE", Kaluga



A

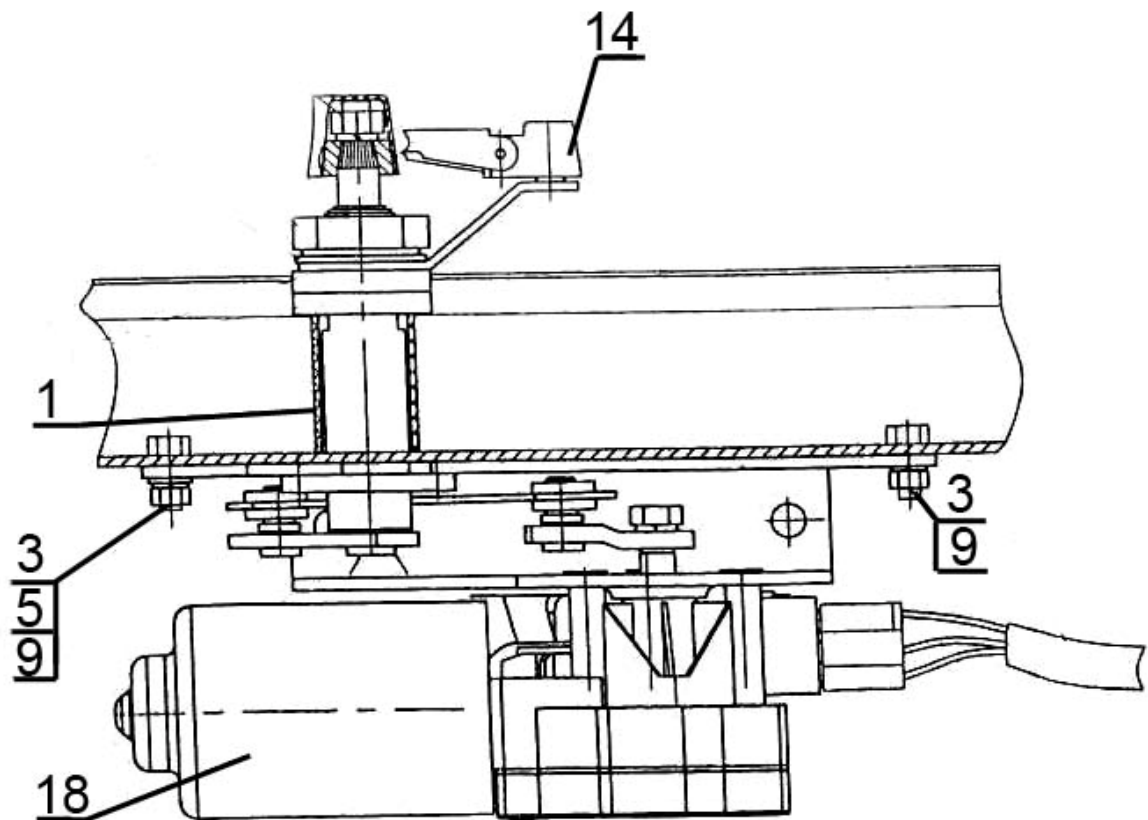


Fig. 52.2 Front windscreen wiper assembly

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
52.2		923-5205010	1	Windscreen wiper assembly
	1	70-1602037	1	Bushing
	3		4	Nut M6-6H.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

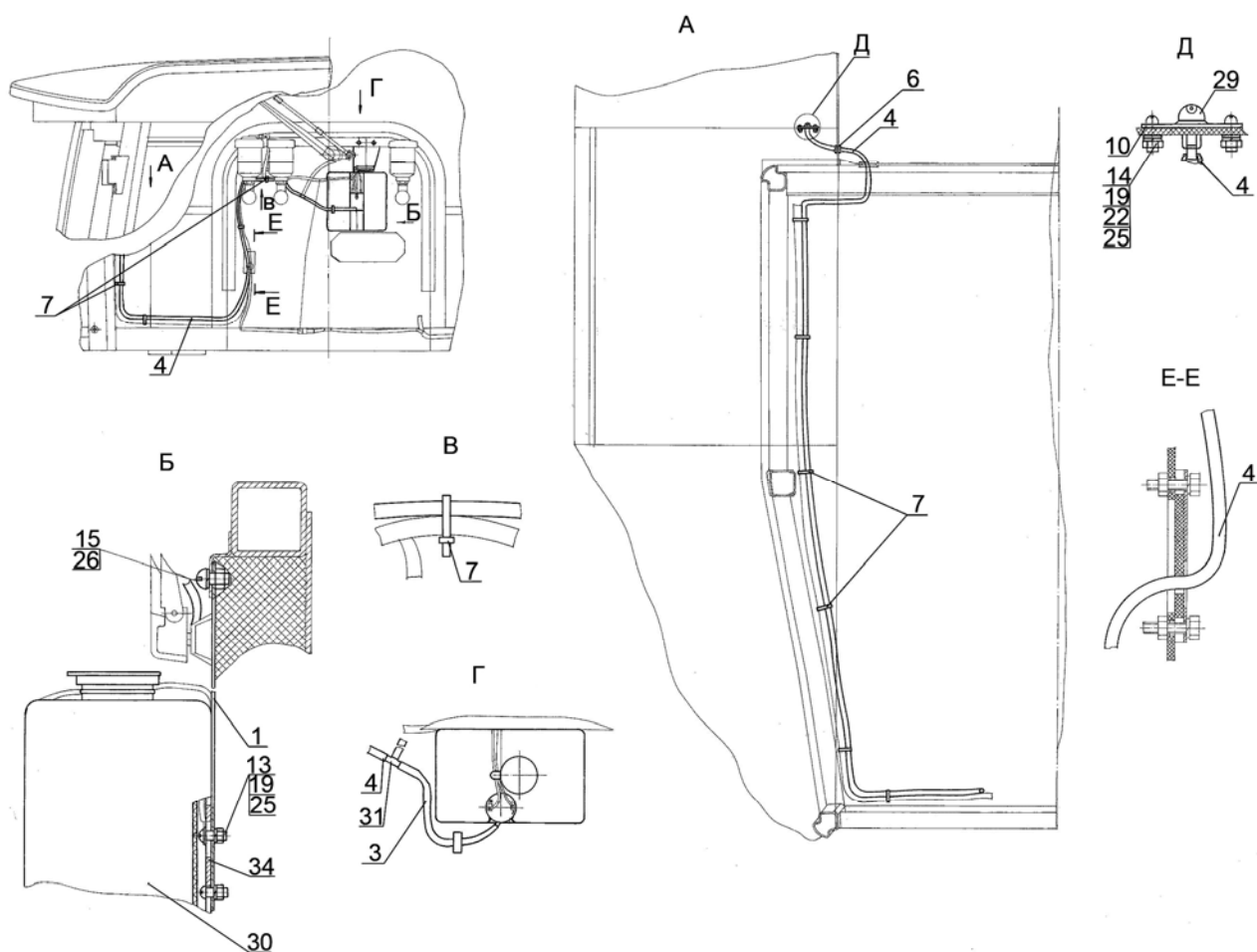


Fig. 52.3 Windscreen washer assembly

Group 52. Windscreen washer
Subgroup 5208. Windscreen washer assembly

Fig.No	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.M4-6gx12.58.019 GOST 17473-80
	14		2	Screw V.M4-6gx16.58.019 GOST 17473-80
	15		2	Screw V.M6-6gx12.58.019 GOST 17473-80
	19		4	Nut M4-6H.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 ADYUI.306549.001
	30	5208.40	1	Electrical washer 122.5208 000 TU 37.459.176-94 or Windscreen washer S3AT-33 ADYUI.060280.001 TU
	31	5208.15	1	Distributor ADYUI.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

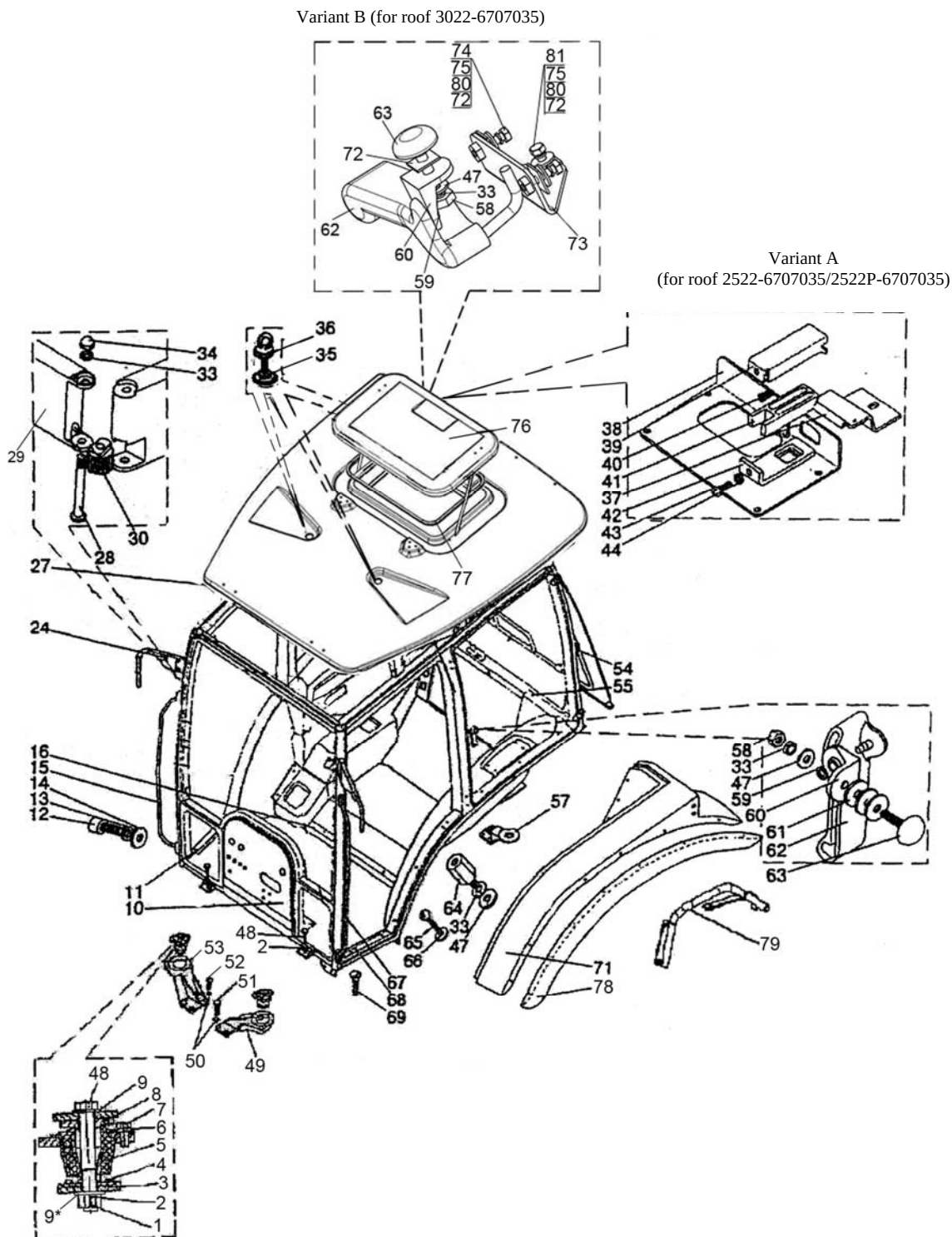


Fig. 67.1 Tractor cab

Group 67 Cab
Subgroup 6700. Tractor cab

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
67.1		2522-6700010	1	Cab assy
	1		4	Split pin 4x36.019 GOST 397-79
	2	M20x1,5	4	Nut
	3	2522-6700026	4	Washer
	4	7718 007	4	Washer of the company Freudenberg Megulastik (Germany)
	5	5718013 (11MN50)	4	Vibration isolator of the company Freudenberg Megulastik (Germany)
	6		12	Washer 12 OT OST 37.001.115-75
	7		12	Bolt M12-6gx25.88.35.019 GOST 7796-70
	8	2522-6700027	4	Washer
	9		4	Washer S 20.01.019 GOST 11371-78
	9*		2	Washer S 20.01.019 GOST 11371-78 (for rear fastening points)
	10	2522-6703031-B	1	Gasket
		2522-6703032-B	1	Gasket
		2522-6703033-B	1	Gasket
	11	2522-6702001-01	1	Hold-down 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	Hold-down 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
	49	2022-6702068	1	Left bracket
	50		16	Washer 16 OT OST 37.001.115-75
	51		4	Bolt M16-6gx70.88.35.019 GOST 7795-70
	52		4	Bolt M16-6gx50.88.35.019 GOST 7796-70
	53	2022-6702068-01	1	Right bracket

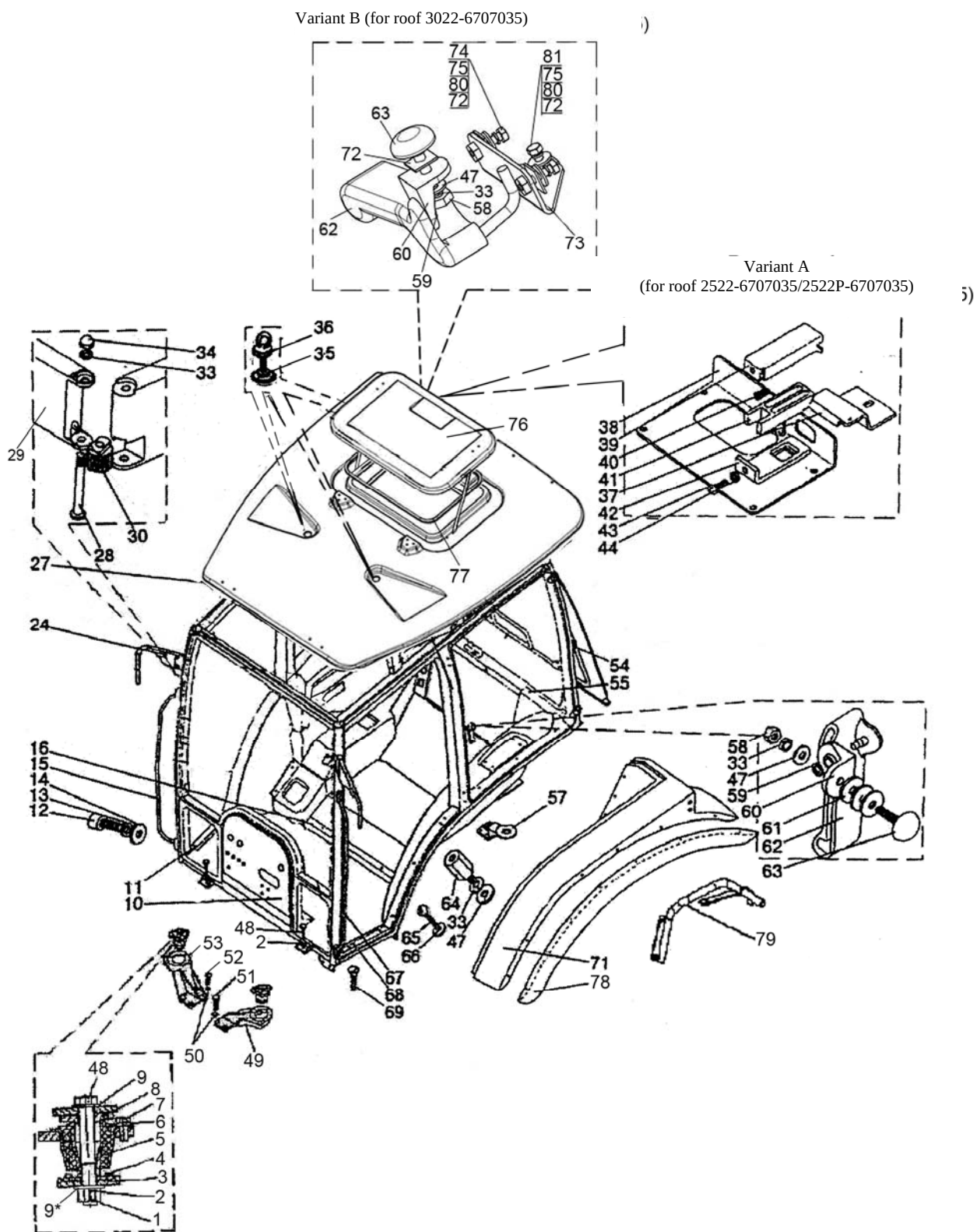


Fig. 67.1 Tractor cab

Group 67 Cab
Subgroup 6700. Tractor cab

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
67.1	54	21054	2	Air-lift
	57	1522-6700037	1	Bracket (left)
		1522-6700037-01	1	Bracket (right)
	58		3	Nut M8-6H.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)
	63	2522-6708165	3	Screw
	64	2522-6708032	2	Bushing
	65	M6x20	4	Screw
	66	2522-6700018	4	Washer
	67	2522-6703115	1	Handrail (left)
	68	2522-6702001	1	Hold-down clamp (left)
	69	M6x16	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 M6-6gx20.88.35.019 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 M6-6gx30.88.35.019 GOST 7798-70

* for roof 2522-6707035

** for roof 2522P-6707035

*** for roof 3022-6707035

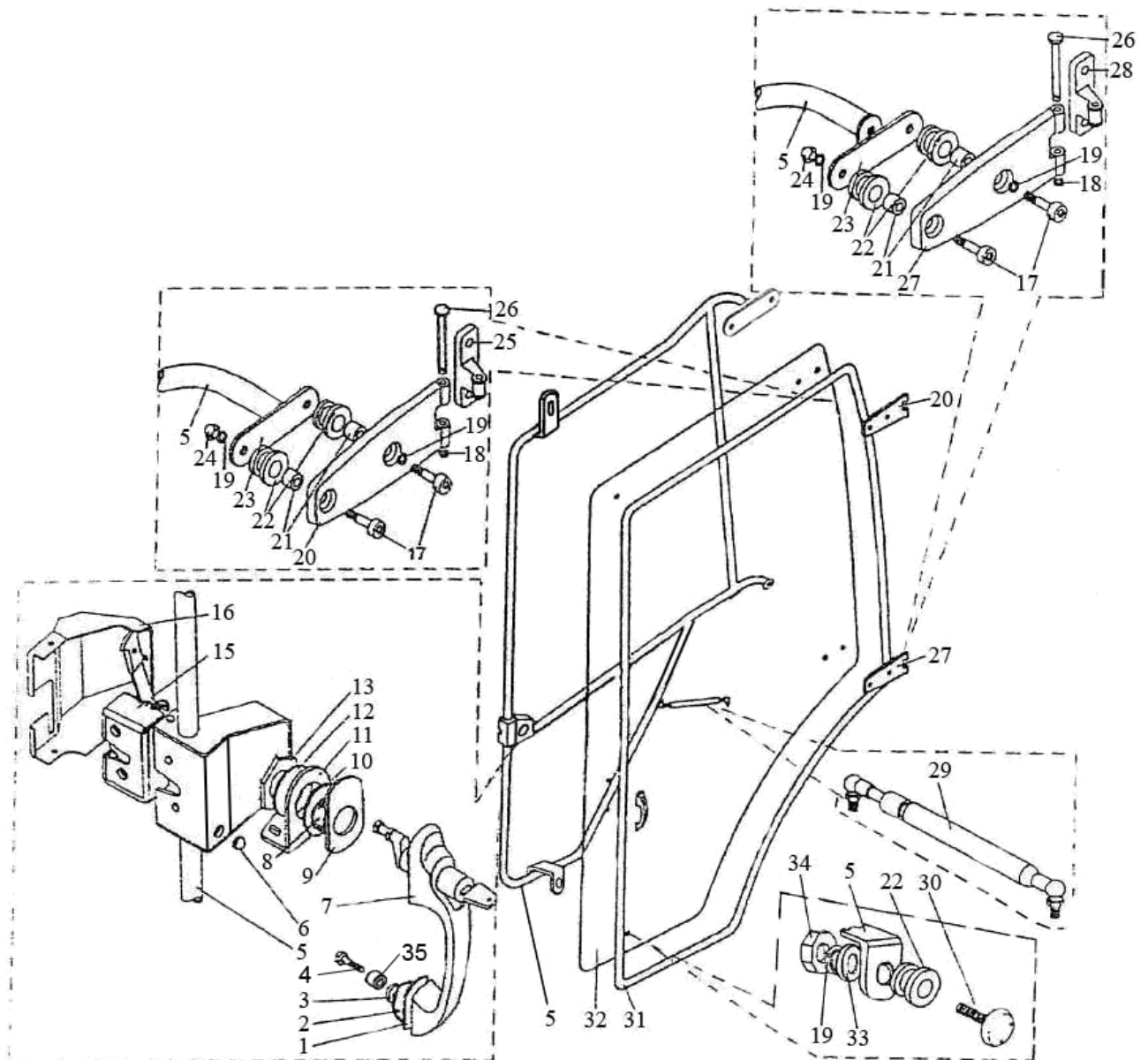


Fig. 67.2 Cab door

Group 67 Cab
Subgroup 6708. Cab door

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
67.2		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	Left frame
	6	2522-6708020-A-01	1	Right frame
	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)

252

Group 67 Cab
Subgroup 6708. Cab door

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
67.2	32	2522-6708013 or 2522-6708013-A or 2522-6708013-AL or 2522-6708013-A2	1	Left glass
		2522-6708013-01 or 2522-6708013-01-A or 2522-6708013-01-AL or 2522-6708013-01-A2	1	Right glass
	33		2	Nut M8-6H.6.019 GOST 5915-70
	34		2	Washer S8.01.019 GOST 11371-78
	35	2522P-6105024	2	Bushing
	*	2522-6708015 2522-6708015-01		Left glass Right glass

* for spare parts delivery

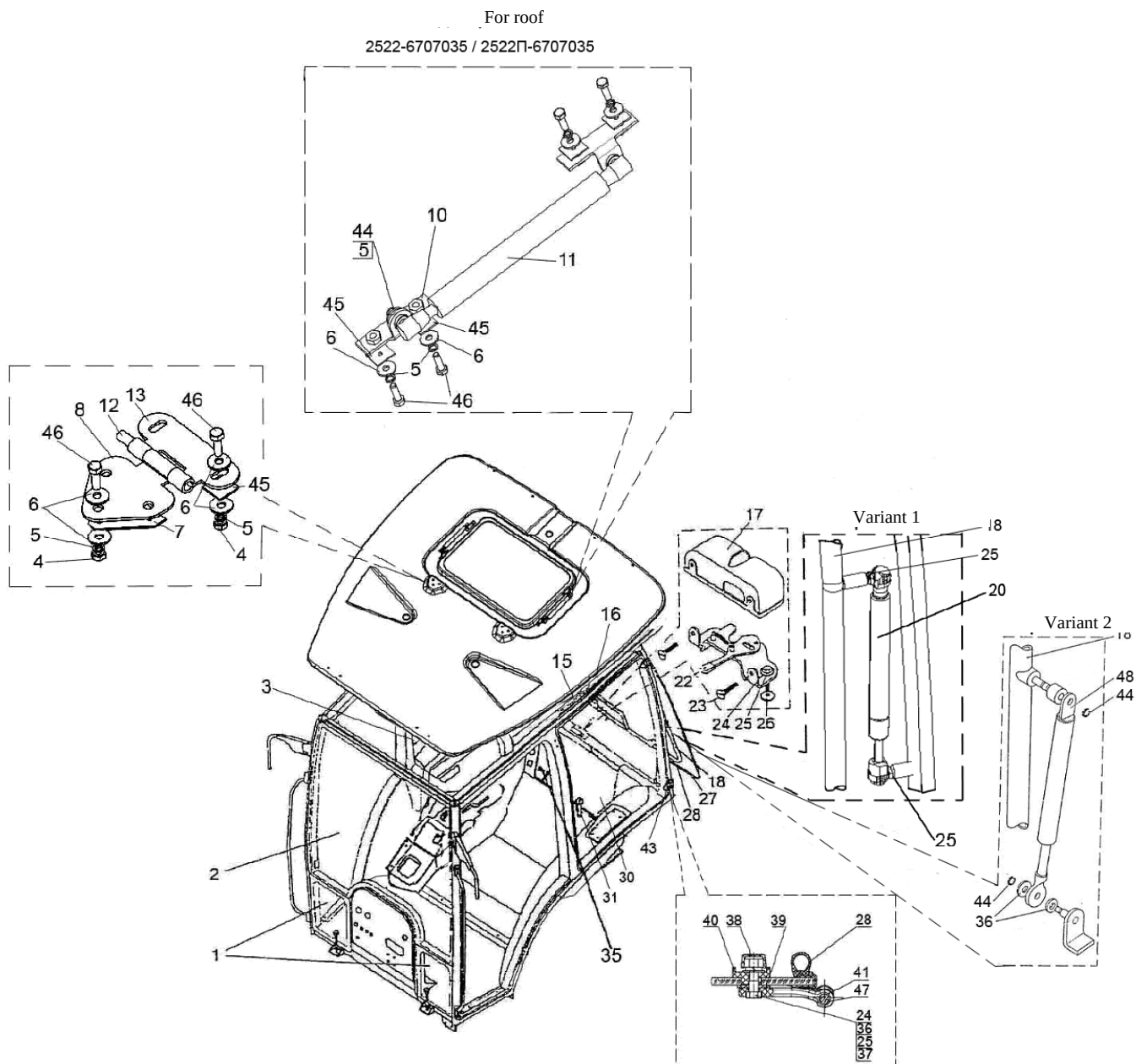


Fig. 67.3 Cab. Cab glasses

Group 67. Cab
Subgroup 6703,6708. Cab glasses

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
67.3	1	2522-6703012 or 2522-6703012- A or 2522-6703012-AL or 2522-6703012- A2	1	Left glass
	2	2522-6703012-01or 2522-6703012-A-01 or 2522-6703012-AL-01 or 2522-6703012-A2-01	1	Right glass
	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	Left glass
		2522-6708111-01 or 2522-6708111-A-01 or 2522-6708111-AL-01 or 2522-6708111-A2-01	1	Right glass
	4		10	Nut M6-6H.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	Grill
	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

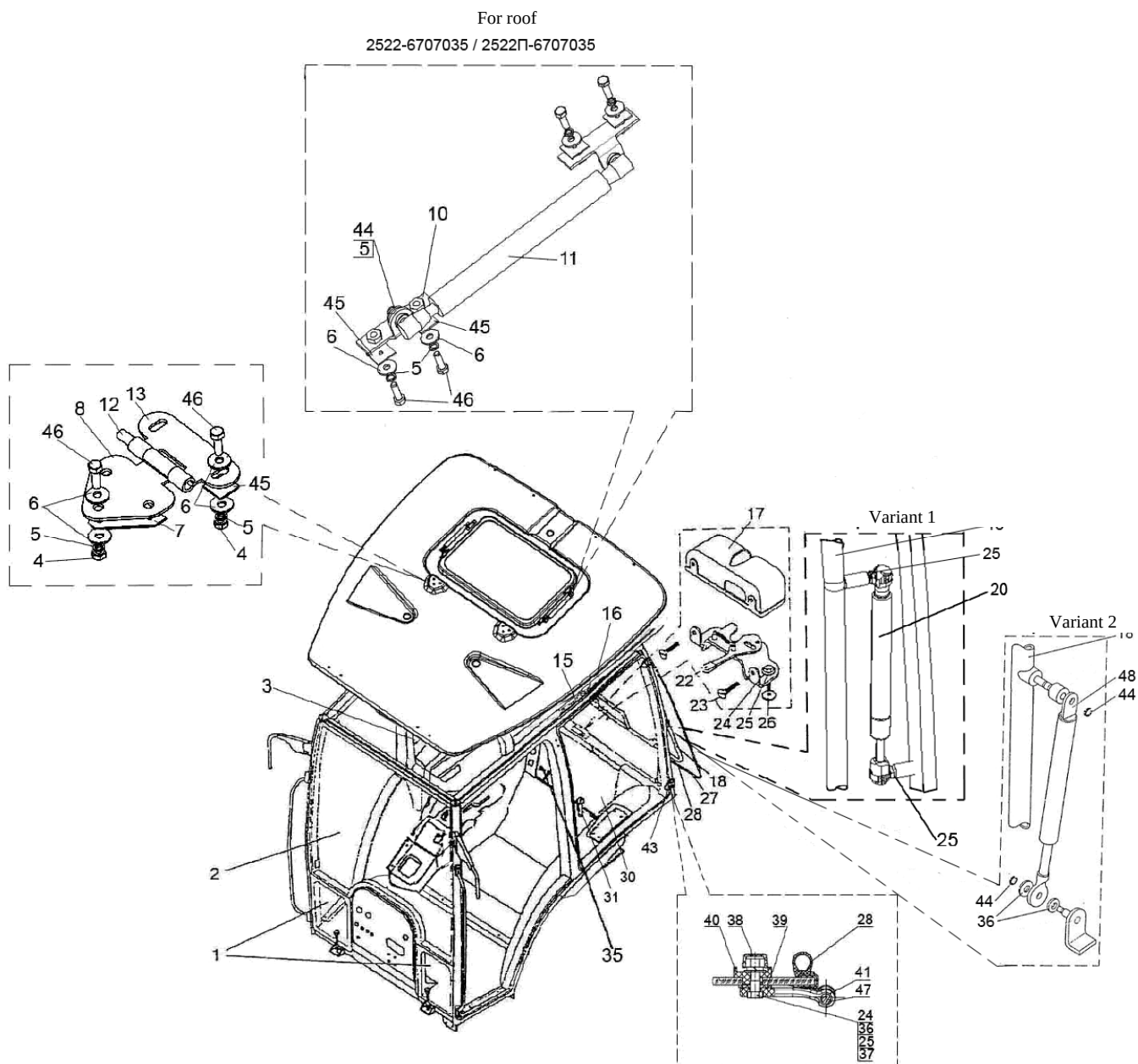


Fig. 67.3 Cab. Cab glasses

Group 67. Cab
Subgroup 6703,6708. Cab glasses

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
67.3	36		6	Washer S 8.01.019 GOST 11371-78
	37		2	Nut M8-6H.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 M6-6gx30.88.35.019 GOST 7798-70
	47	822-8700011	6	Pin
	48	2154	2	Air-lift

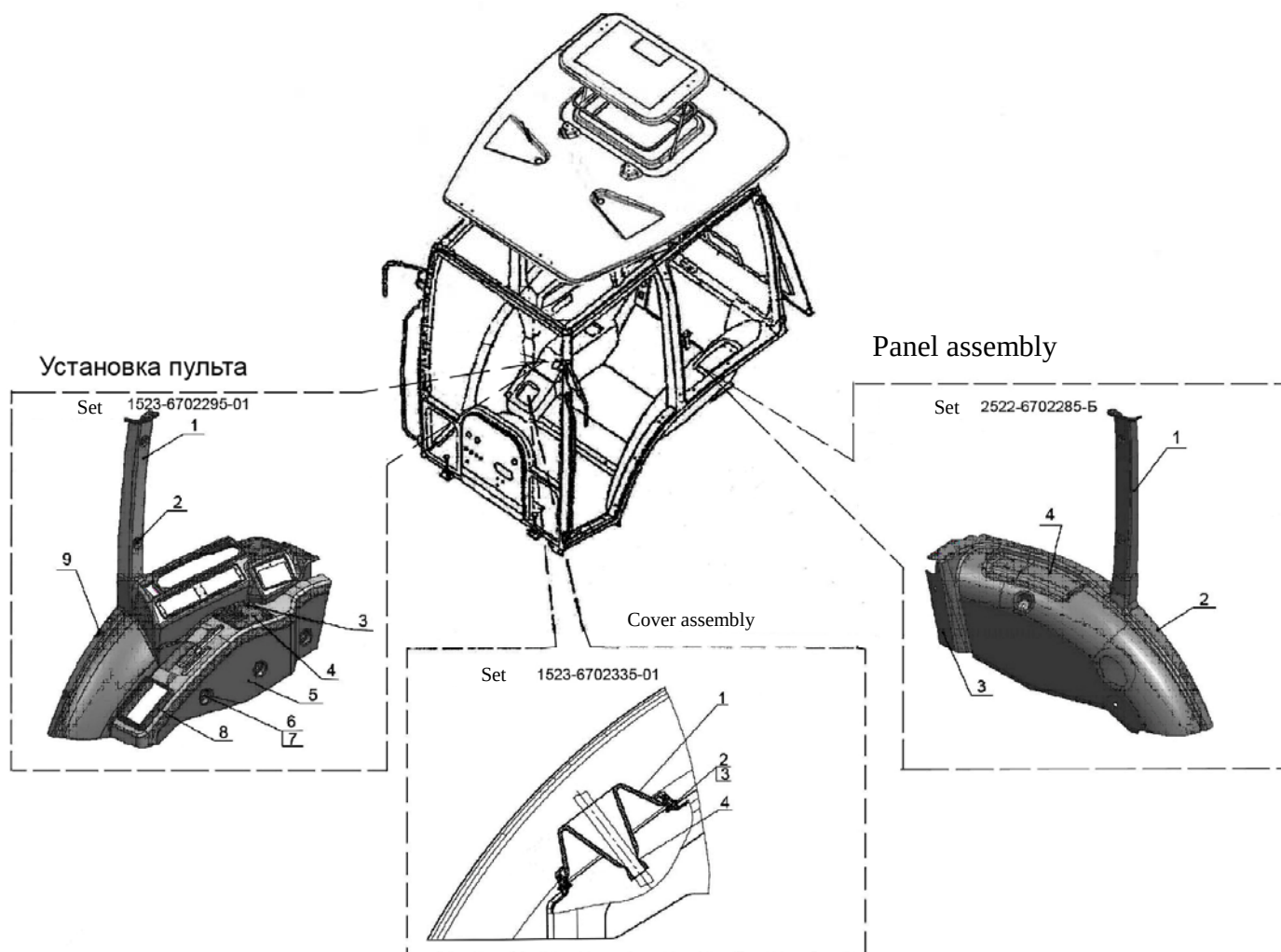


Fig. 67.4 Panel assembly

Group 67. Cab
Subgroup 6702. Panel assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
67.4		Set		
		2522-6702285-B	1	Panel assembly
	1	2522P-6701070	1	Onlay
	2		5	Screw M6x25 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	Panel assembly
	1	1523-6701075-B	1	Onlay
	2	80-6700167	4	Button
	3		1	Screw M6x30 with press-washer
	4	1523-6702343	1	Cover
	5	1523-6702340-01	1	Panel
	6	A37.01.022	3	Washer
	7		3	Screw V.M6-6gx25.58.019 GOST 17473-80
	8	1523-6702342	1	Hold-down clamp
	9		6	Screw M6x25 with press-washer
		1523-6702335-01	1	Cover assy
	1	1523-6702270	1	Cover
	2		6	Screw V.M4-6gx20.58.019 GOST 17473-80
	3		6	Washer S 4.01.019 GOST 11371-78
	4	80-3723045-01	1	Collar

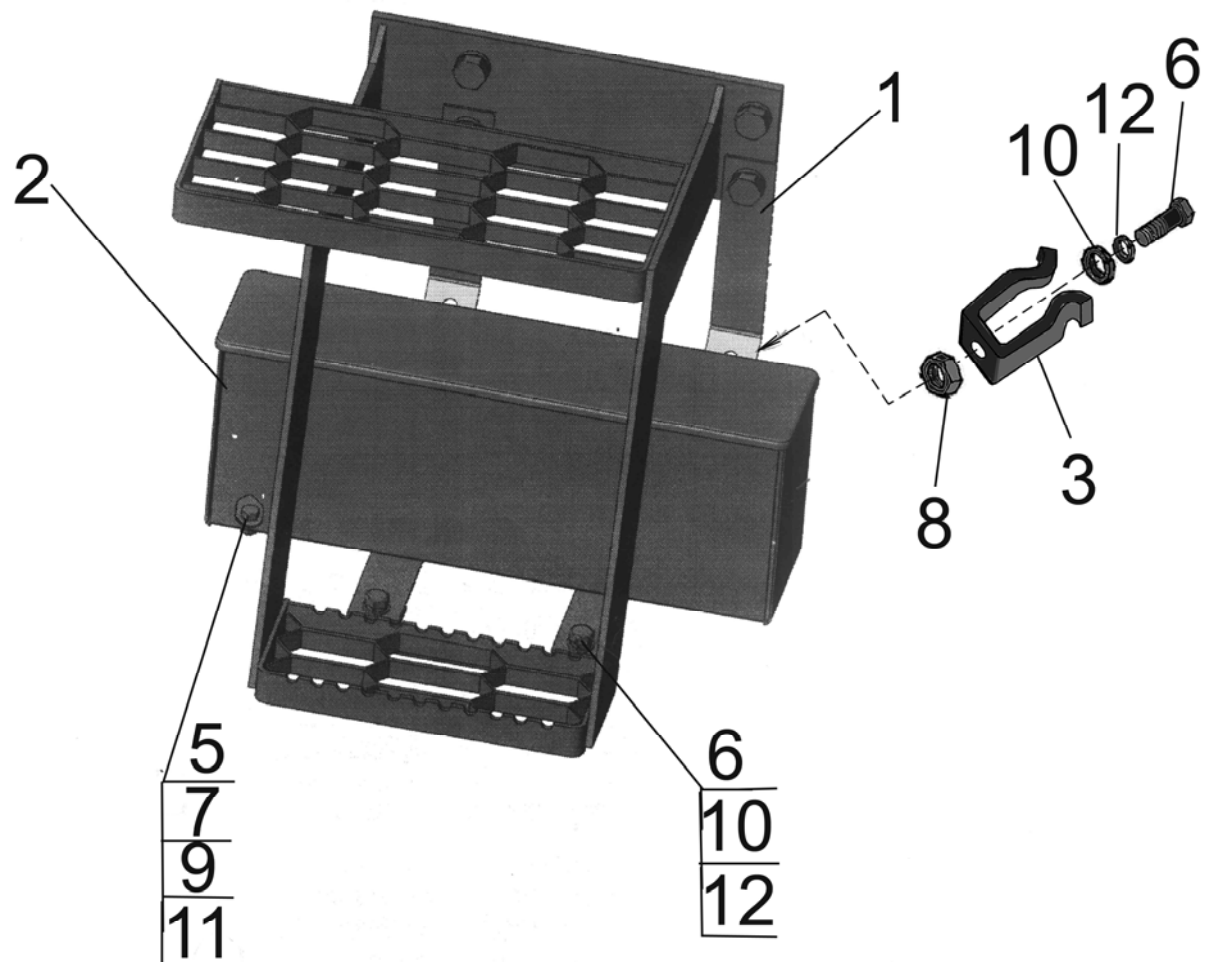


Fig. 67.5 Tool box assembly

Group 67. Tractor cab
Subgroup 6700. Tool box assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
67.5		2022-6700170	1	Tool box assembly (1, 2)
	1	2022-6700175	1	Bracket
	2	70-3919110	1	Tool box
	3	50-3913214	2	Clamp
	5	M8-6gx16.88.35.019	4	Bolt GOST 7795-70
	6	M10gx25.88.35.019	4	Bolt GOST 7795-70
	7	M8-6H.6.019	4	Nut GOST 5915-70
	8	M10-6H.6.019	2	Nut GOST 5915-70
	9	S8.01.019	8	Washer GOST 11371-78
	10	S10.01.019	4	Washer GOST 11371-78
	11	8T	4	Washer OST 37.001.115-75
	12	10 OT	4	Washer OST 37.001.115-75

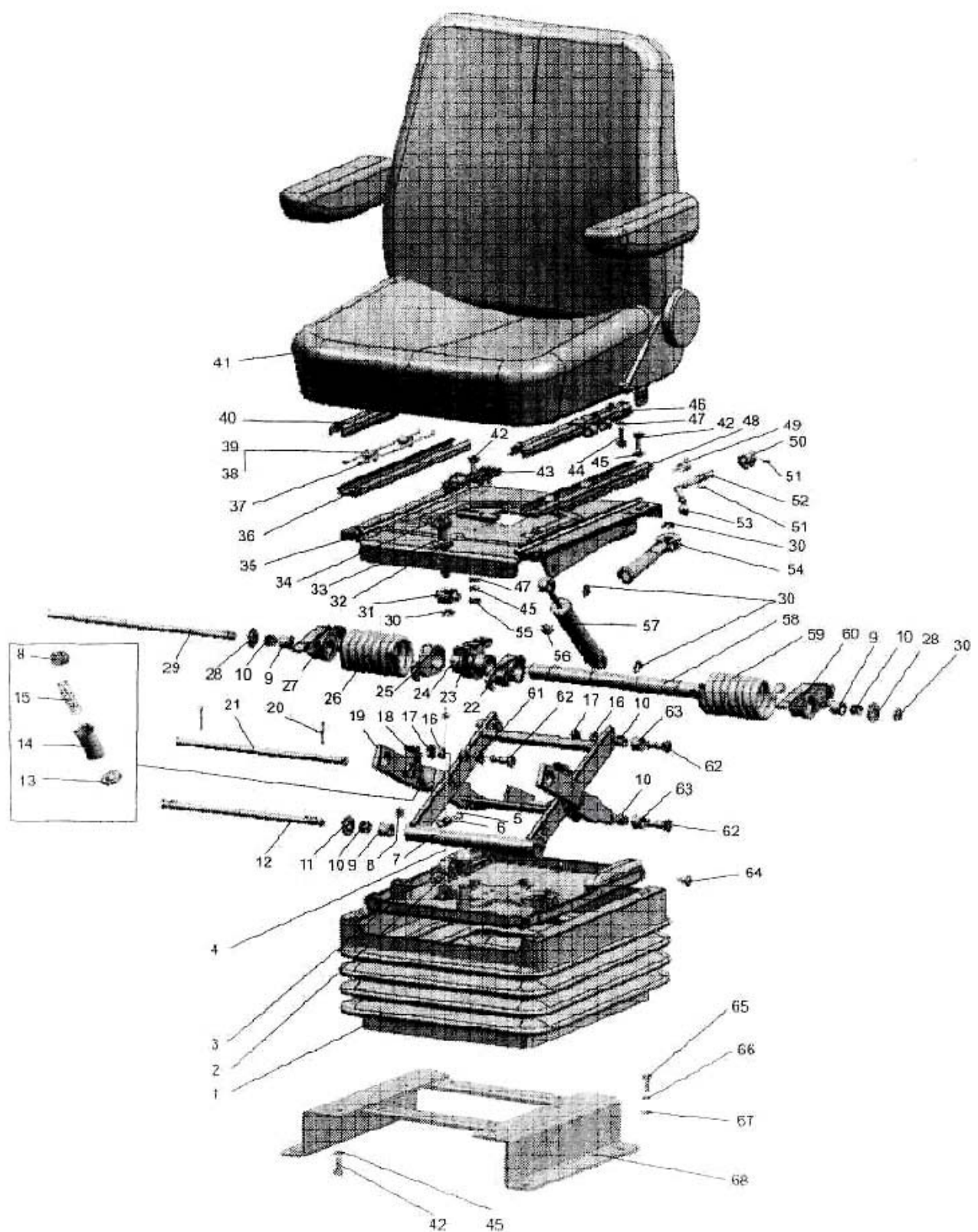


Fig. 68.1 Operator's seat

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

Fig.No	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	Boot
	2	A61.01.014	1	Handle
	3	80V-6801560	1	Base
	4	80V-6801240	1	Cable wire
	5		2	Screw V.M5-6gx16.58.019 GOST 17473-80
	6	70-4803023	1	Coupling
	7	80V-6801590-B	1	Frame
	8	80V-6801521	4	Limit stop
	9	80V-6801512	4	Bushing
	10	K12x16x13E	8	Bearing
	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 10T OST 37.001.115-75
	17		6	Nut M10-6H.04.019 GOST 5919-73
	18	80V-6801581	2	Detent
	19	80V-6801570	1	Frame
	20		2	Split pin 4x22.019 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
	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	C0-10	1	Seat
		C0-10-01	1	Seat
	42		11	Bolt M8-6gx20.88.35.019 GOST 7796-70
	43	80V-6801031	1	Stiffener
	44		4	Screw V.M8-6gx25.58.019 GOST 1491-80
	45		11	Washer 8T OST 37.001.115-75
	46	80-6800110	1	Rail

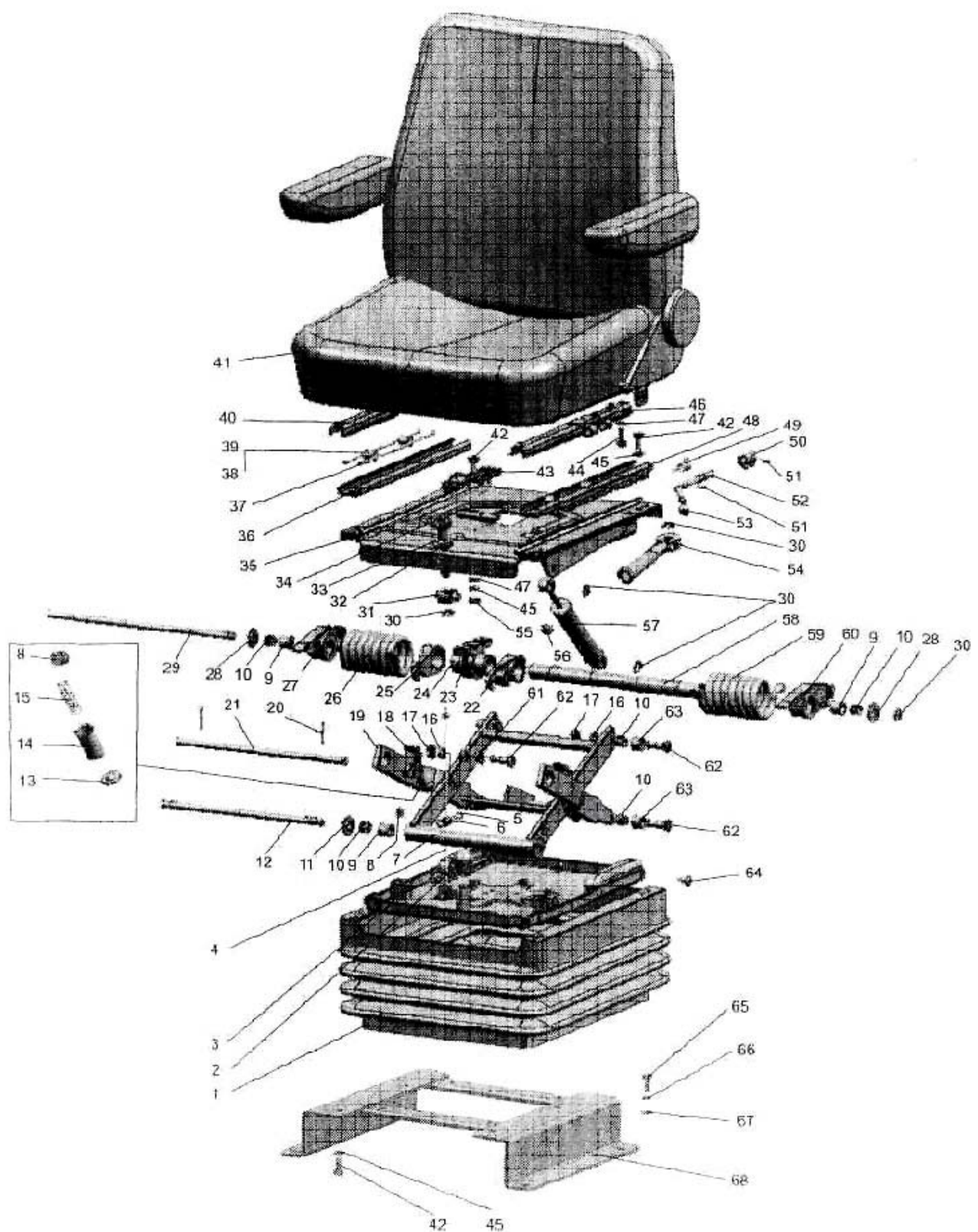


Fig. 68.1 Operator's seat

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
68.1	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 M8-6H.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 M10-6gx35.88.35.019 GOST 7796-70
	66		4	Washer 10T OST 37.001.115-75
	67		4	Washer S.10.01.019 GOST 11371-78
	68	1522-6800010-B*	1	Bracket

* Optional

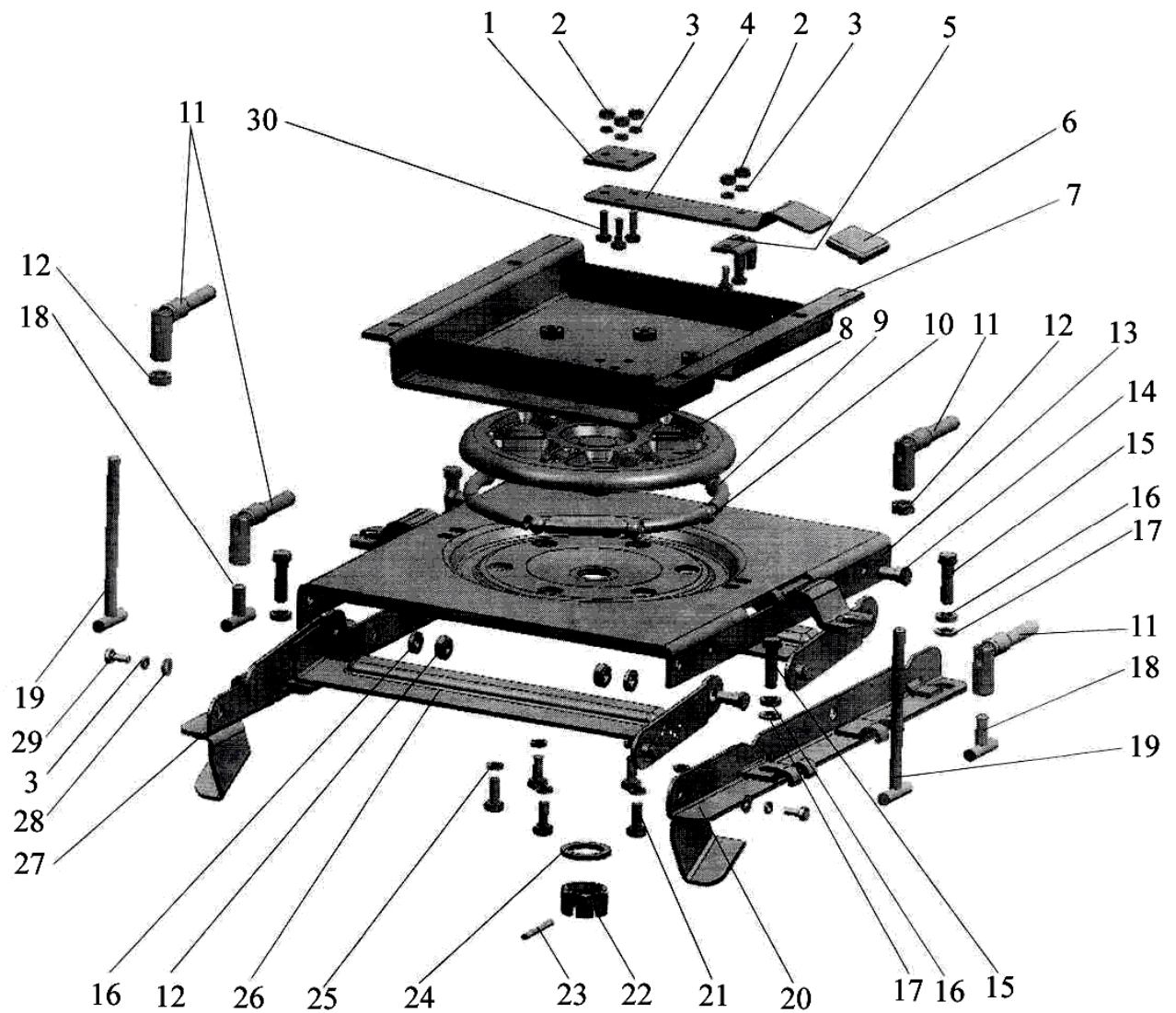


Fig. 68.2 Reverse mechanism

Group 68. Driver's seat
Subgroup 6807. Reverse mechanism

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
68.2		2522-6807000-01	1	Reverse mechanism
	1	80V- 6804014	1	Strap
	2		5	Nut M6-6H.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	Clamp
	12		6	Nut M10-6H.6.019 GOST 5915-70
	13	2522-6807020	1	Panel
	14	2522-6807001	4	Bolt
	15	M10x30	4	Bolt M10-6gx30.88.35.019 GOST 7796-70
	16		8	Washer 10 OT OST 37.001.115-75
	17		4	Washer S.10.01.019 GOST 11371-78
	18	80V-6807050	2	Screw
	19	1522-6807150	2	Screw
	20	2522-6807010	1	Bracket
	21		6	Bolt M8-6gx20.88.35.019 GOST 7796-70
	22	A04.02.020	1	Nut
	23		1	Split pin 5x45.019 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	Connecting rod
	27	2522-6807010-01	1	Bracket
	28		4	Washer S 6.01.019 GOST 6958-78
	29		6	Bolt M6-6gx14.88.35.019 GOST 7798-70
	30		3	Bolt M8-6gx20.88.35.019 GOST 7796-70

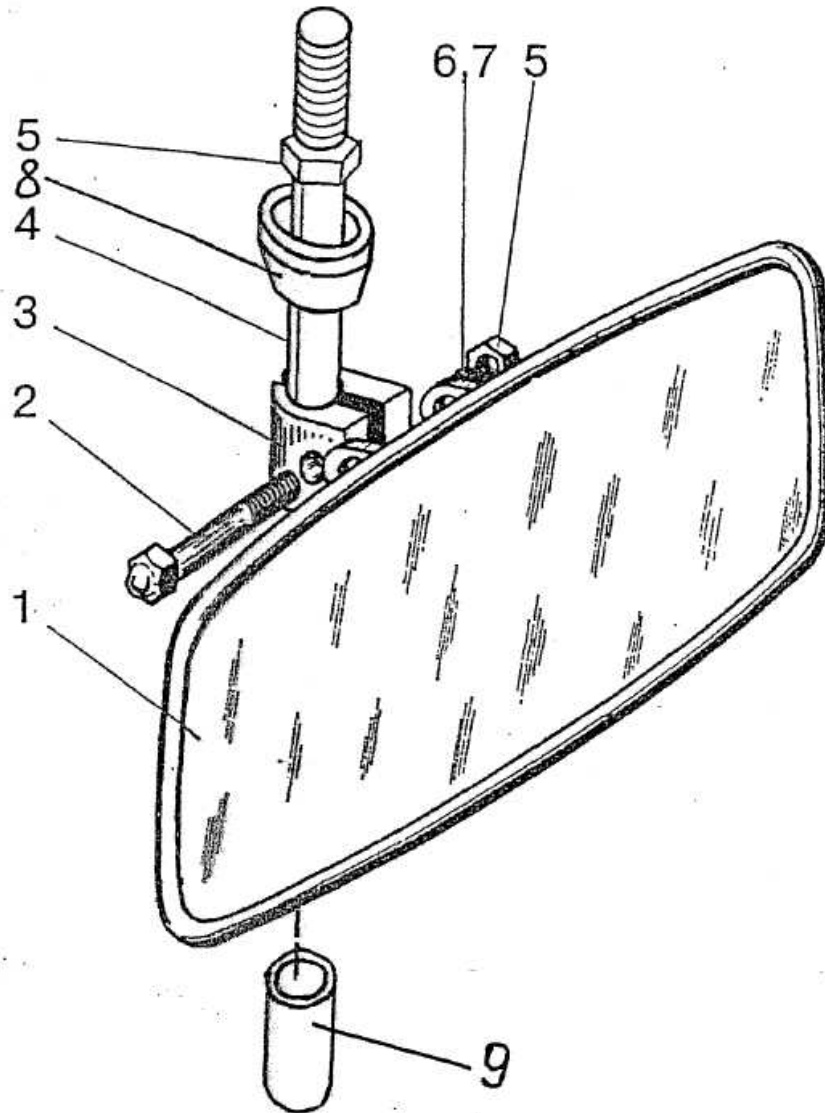


Fig. 82.1 Inside mirror

Group 82. Cab accessories
Subgroup 8201. Inside mirror

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
82.1		2522-8201090	1	Inside mirror assembly (1, 4, 5, 8, 9)
	1	80-8201035	1	Inside mirror
	2	M8x25	1	Bolt
	3	A30.04.071	1	Clamp
	4	2522-8201091	1	Axle
	5	M8	2	Nut
	6	SCH8	1	Washer
	7	SHP8	1	Washer
	8	2522-8201092	1	Cap
	9	70-6700103	1	Cap

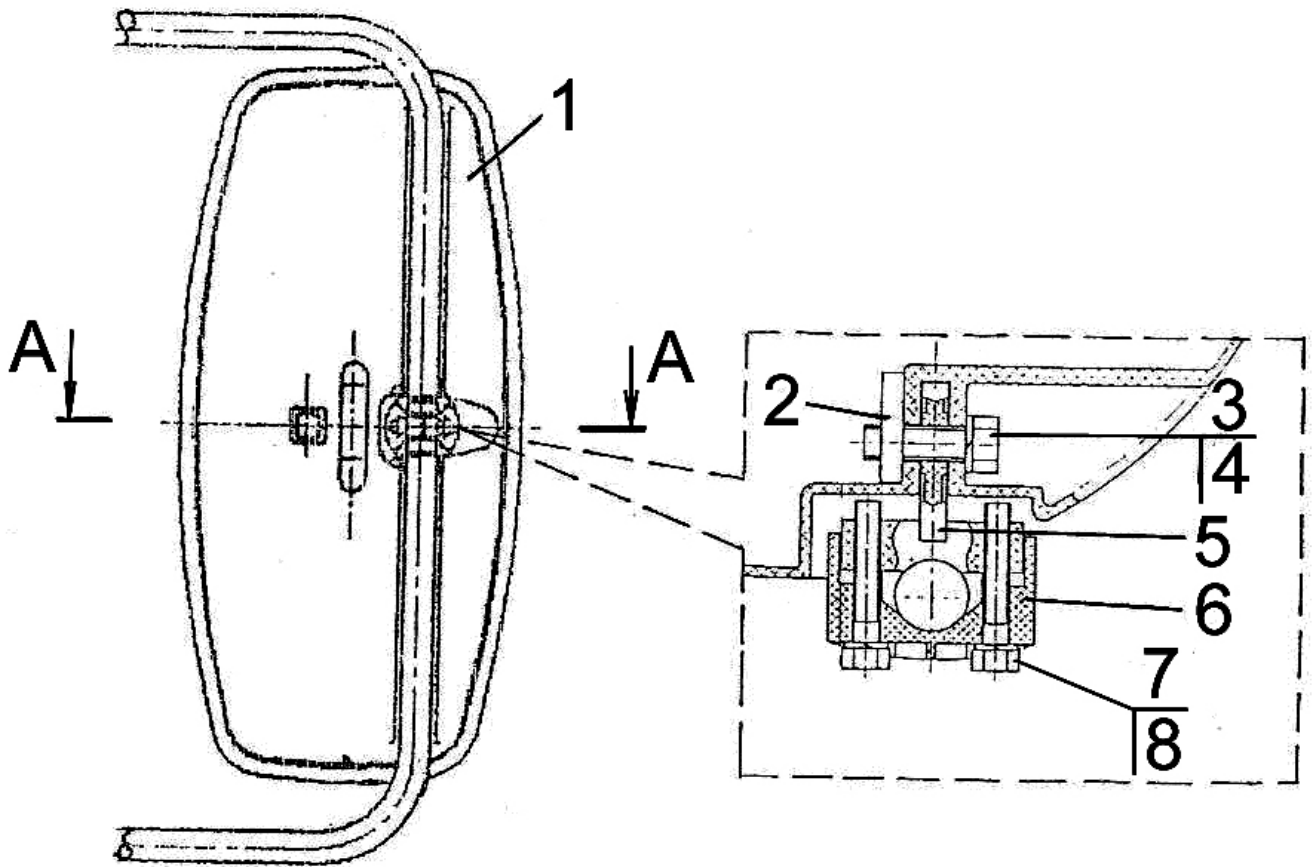


Fig. 82.2. Outside mirror

Group 82. Cab accessories
Subgroup 8201. Outside mirror

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
82.2	1	SAKD 458201.050	2	Outside mirror
	2	SAKD 458201.075	2	Plate
	3	M8x35	2	Bolt
	4	SHP 8	2	Washer
	5	SAKD 458201.062	2	Bracket
	6	SAKD 458201.064	2	Bushing
	7	M6x40	4	Bolt
	8	SHP 6	4	Washer

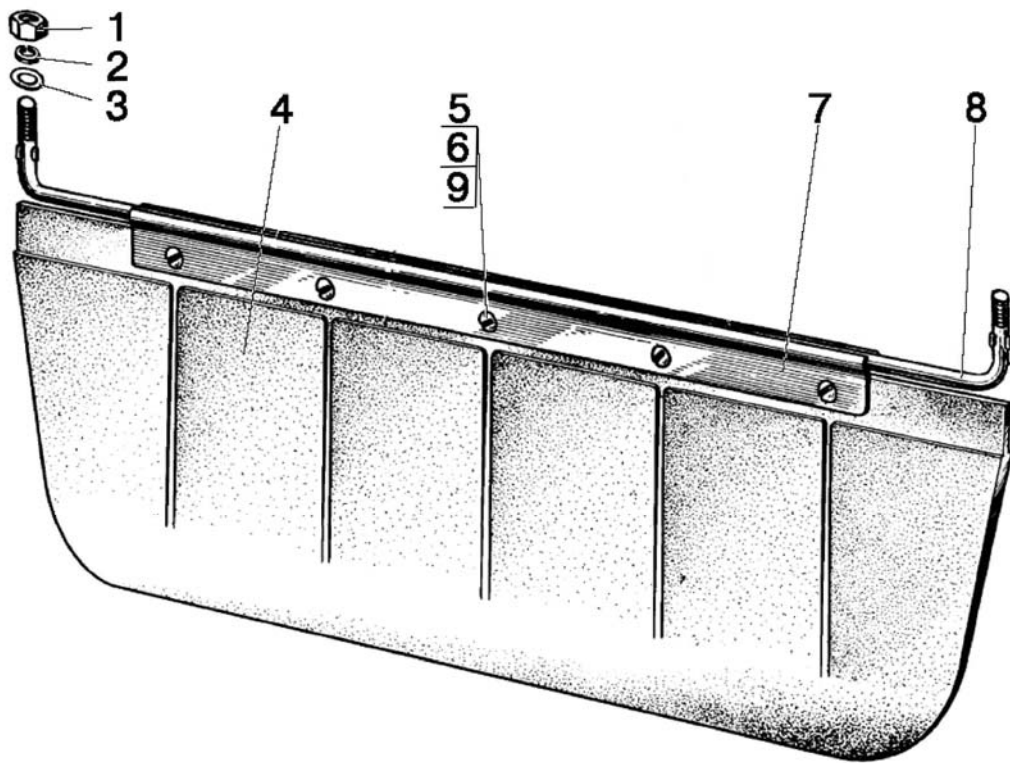


Fig. 82.3 Sun visor

Group 82. Cab accessories
Subgroup 8204. Sun visor

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
82.3		80P-8204010	1	Sun visor (1-9)
	1	M6-6H.6.019 GOST 5915-70	2	Nut
	2	6T OST 37.001.115-75	2	Washer
	3	S 6.01.019 GOST 6958-78	2	Washer
	4	70-8204011-A	1	Visor
	5	V.M4-6gx10.58.019 GOST 17473-80	5	Screw
	6	M4-6H.6.019 GOST 5927-70	5	Nut
	7	70-8204014	2	Holder
	8	80P-8204011	1	Axle
	9	4 OST 37.001.115-75	5	Washer

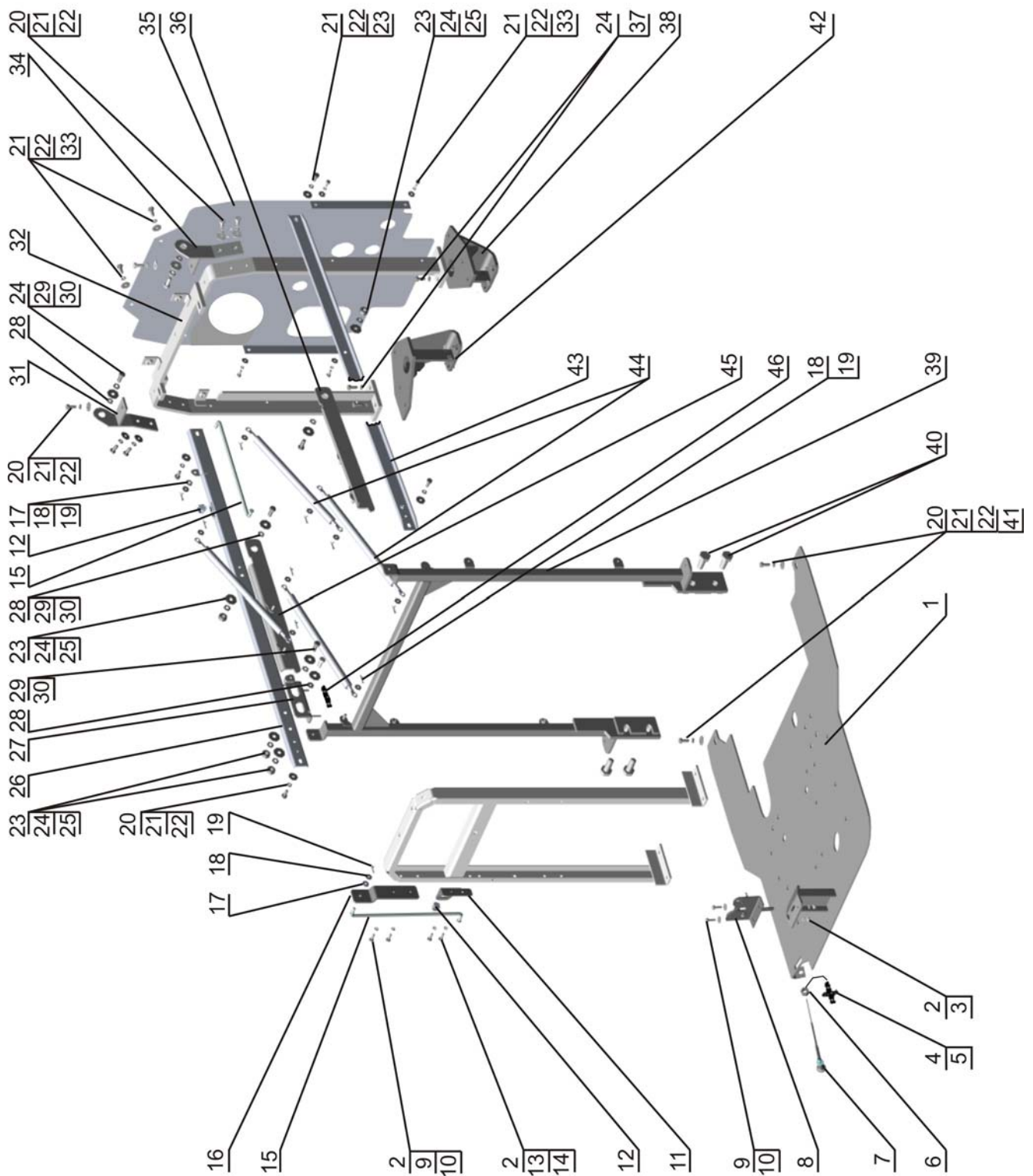


Fig. 84.1 Facing

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
84.1		2025-8400005-03	1	Facing
	1	2025-8400040	1	Plate
	2		6	Washer 6T OST 37.001.115-75
	3		2	Nut M6-6H.6.019 GOST 5915-70
	4	70-4803023	1	Coupling
	5		2	Screw V.M5-6gx20.58.019 GOST 17473-80
	6		1	Nut M12x1,25-6H.6.019 GOST 5915-70
	7	822-8400080-01	1	Control wire
	8	80-8402410	1	Lock
	9		4	Washer S 6.01.019 GOST 6958-78
	10		4	Bolt M6-6gx20.88.35.019 GOST 7795-70
	11	2025-8400025	1	Bracket
	12	90-8400021	2	Clamp
	13		2	Washer S 6.01.019 GOST 11371-78
	14		2	Bolt M6-6gx16.88.35.019 GOST 7798-70
	15	90-8400070-01	2	Rod
	16	2025-8400016	1	Bracket
	17	549A-1305044	2	Ring
	18		10	Washer S 8.01.019 GOST 11371-78
	19		10	Split pin 3,2x25.019 GOST 397-79
	20		12	Bolt M8-6gx25.88.35.019 GOST 7796-70
	21		21	Washer S 8.01.019 GOST 6958-78
	22		19	Washer 8T OST 37.001.115-75
	23		4	Nut M10-6H.6.019 GOST 5915-70
	24		10	Washer 10 OT OST 37.001.115-75
	25		4	Washer S 10.01.019 GOST 11371-78
	26	2025-8402040	1	Right tie-rod
	27	2025-8402050	1	Bracket
	28	921.3-8400077	6	Bushing
	29		6	Washer S 10.01.019 GOST 6958-78
	30		6	Bolt M10-6gx25.88.35.019 GOST 7796-70
	31	2025-8402070	1	Hinge
	32	2025-8400050	1	Post
	33		7	Bolt M8-6gx16.88.35.019 GOST 7796-70
	34	2025-8402070-01	1	Hinge
	35	2025-8402103	1	E-valve
	36	2025-8402055	1	Bracket
	37		4	Bolt M10-6gx30.88.35.019 GOST 7796-70
	38	2025-8402080-01	1	Support
	39	2025-8402030-B	1	Frame
	40		4	Bolt M16-6gx70.88.35.019 GOST 7796-70
	41		2	Nut M8-6H.6.019 GOST 5915-70
	42	2025-8402080	1	Support
	43	2025-8402045	1	Left tie-rod
	44		4	Gas spring 11.5.6308010 TURB 500032891.095-2003
	45	2025-8402055-01	1	Bracket
	46	80-8402414-A	1	Spring

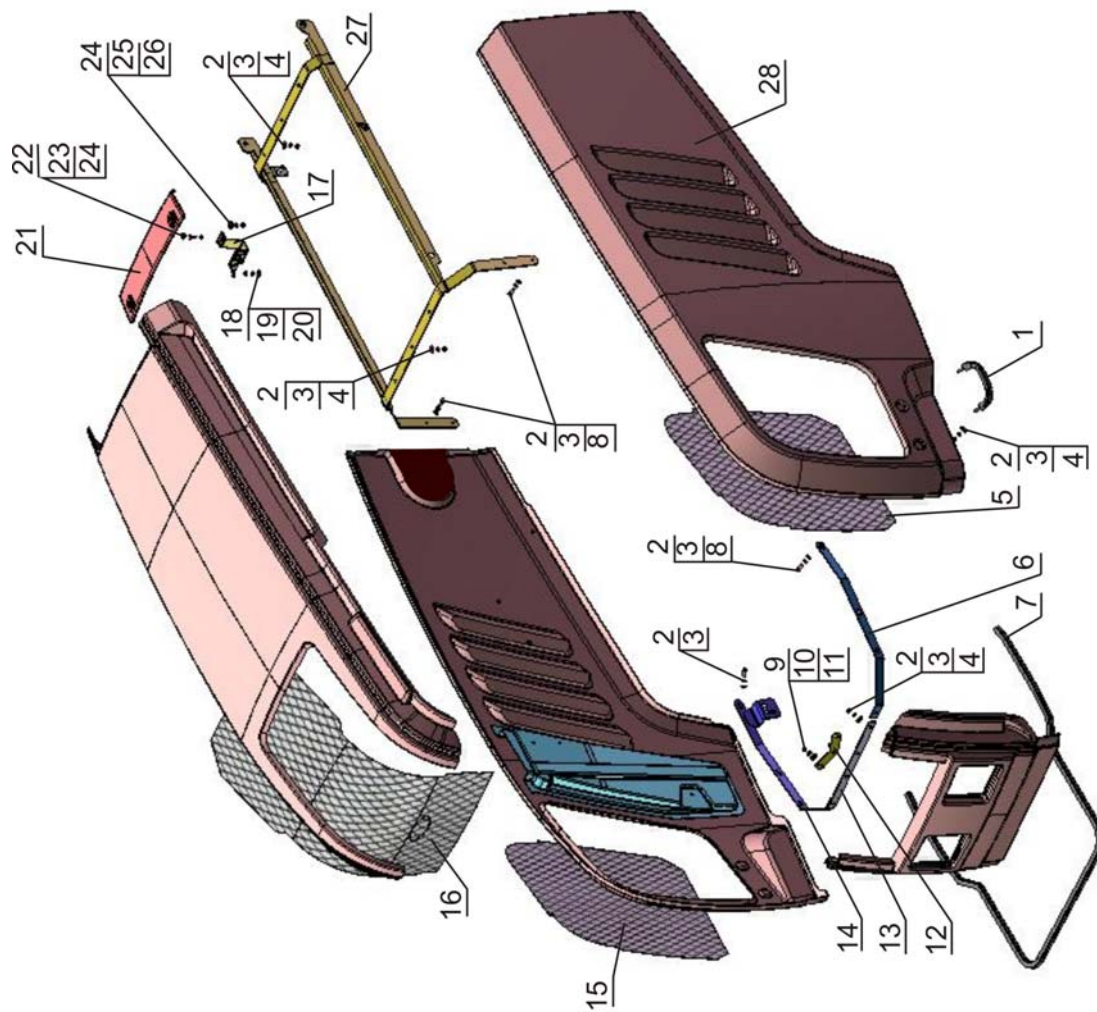


Fig. 84.2 Facing

Group 84. Hood and fenders
Subgroup 8400. Facing

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
84.2	1*	921.3-8402250-A	2	Handrail
	2*		22	Washer S 8.01.019 GOST 6958-78
	3*		18	Washer 8T OST 37.001.115-75
	4*		12	Nut M8-6H.6.019 GOST 5915-70
	5*	2025-8400017	1	Grill
	6*	2025-8400032-01	1	Plate
	7	A37.08.045	1	Sealant
	8*		6	Bolt M8-6gx25.88.35.019 GOST 7796-70
	9		2	Nut M8-6H.6.019 GOST 5915-70
	10		2	Washer 8T OST 37.001.115-75
	11		2	Washer S 8.01.019 GOST 6958-78
	12	921.3-8402095	1	Detent
	13*	921.3-8400031	1	Plate
	14*	2025-8400030	1	Plate
	15*	2025-8400017-01	1	Grill
	16*	2025-8401090	1	Grill
	17*	950.1-8400085	2	Hinge
	18*		4	Nut M6-6H.6.019 GOST 5915-70
	19*		4	Washer 6T OST 37.001.115-75
	20*		4	Washer S 6.01.019 GOST 11371-78
	21	2025-8402330	1	Hatch
	22	A30.04.017	2	Cap
	23		2	Bolt M6-6gx16.88.35.019 GOST 7798-70
	24		4	Washer S 6.01.019 GOST 6958-78
	25		2	Washer 6T OST 37.001.115-75
	26		2	Nut M6-6H.6.019 GOST 5915-70
	27*	2025-8400020	1	Framework
	28	2025-8402020-01	1	Hood

* as part of hood 2025-8402020-01

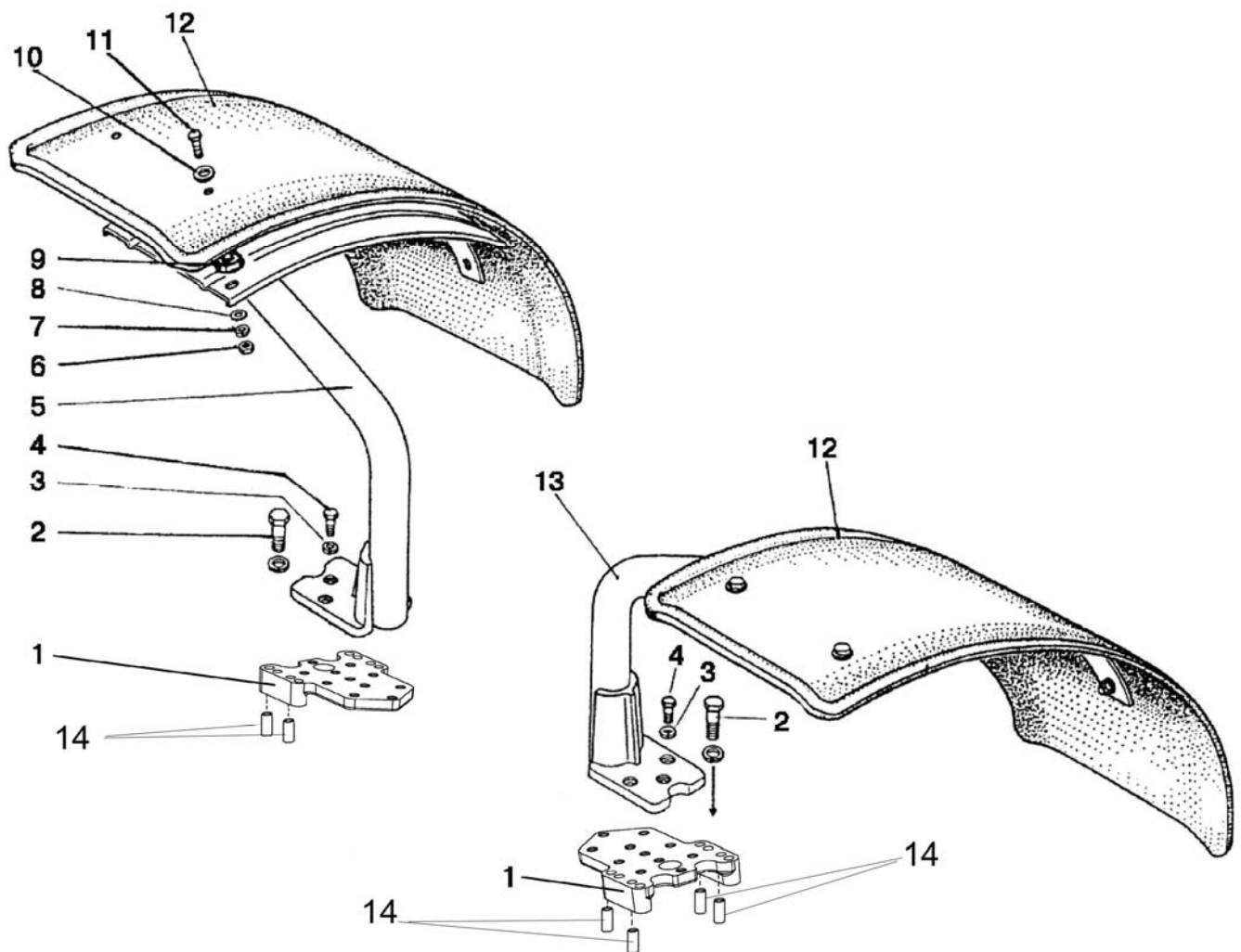


Fig. 84.3 Front wheels fenders

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
84.3	1	822-8403011-B	2	Base
	2	M12x85	8	Bolt
	3	SHP12	14	Washer
	4	M12X30	6	Bolt
	5	2022-8403015-01	1	Post
	6	M10	10	Nut
	7	SHP10	10	Washer
	8	SCH10	10	Washer d=21 mm
	9	80-4616017	10	Roller
	10	SCH 10	10	Washer d=30 mm
	11	M 10x25	10	Bolt
	12	1221-8403014-B-02 or 1221-8403014-B1-02	2 2	Fender Fender
	13	2022-8403015	1	Post
	14	2022-8403012	8	Bushing

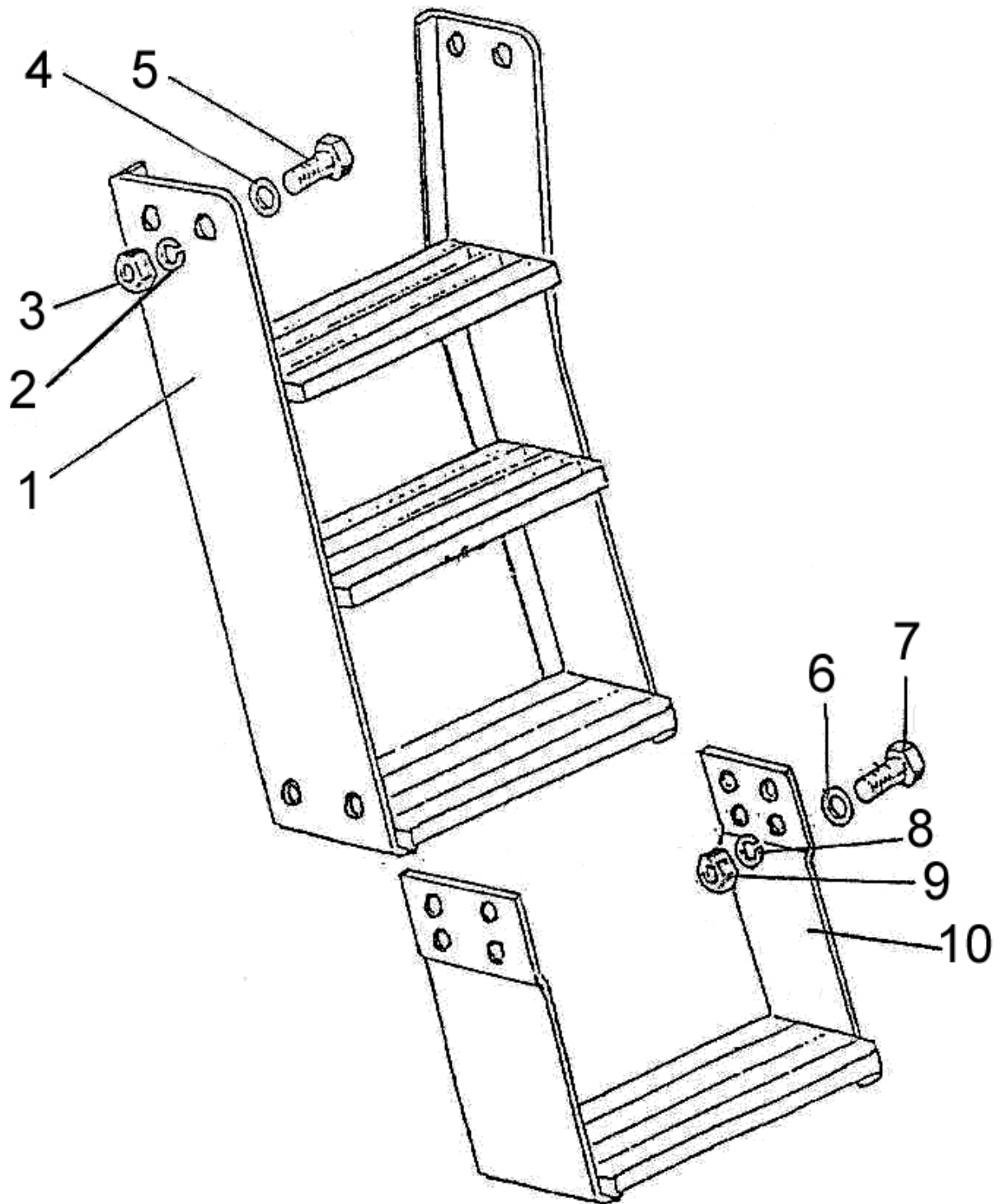


Fig. 84.4 Foot step

Group 84. Hood and fenders
Subgroup 8405. Foot step

Fig.No	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	SHP 10	4	Washer
	3	M10	4	Nut
	4	SCH 10	4	Washer
	5	M10x25	4	Bolt
	6	SCH 12	1	Washer
	7	M12x35	4	Bolt
	8	SHP 12	4	Washer
	9	M12	4	Nut
	10	2522-8405020	1	Foot step

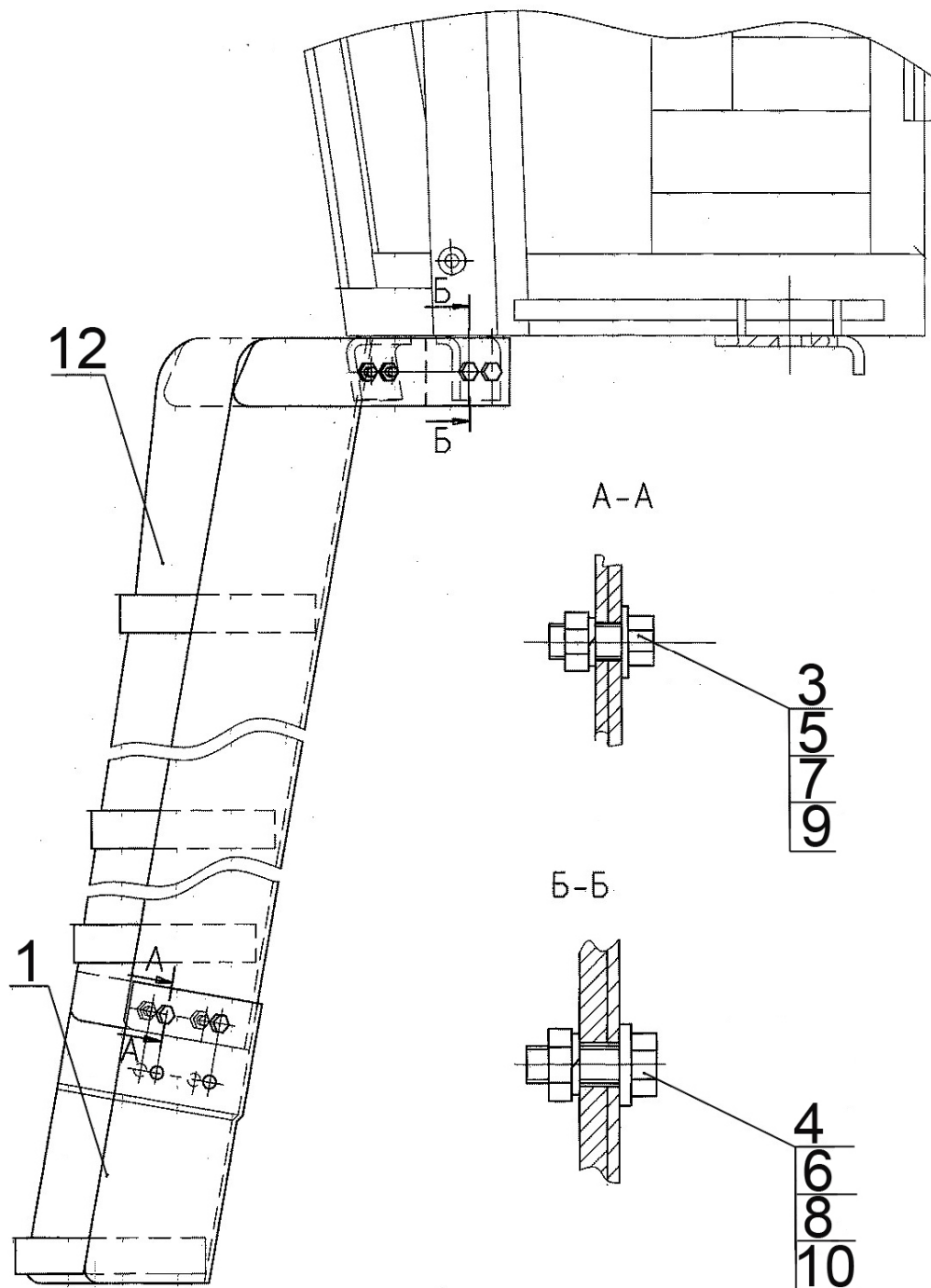


Fig. 84.5 Foot step

Group 84. Hood and fenders
Subgroup 8405. Foot step

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
84.5		2022-8405005	1	Foot step
	3		4	Bolt M10-6gx25.88.35.019 GOST 7796-70
	4		4	Bolt M12-6gx35.88.35.019 GOST 7796-70
	5		4	Nut M10-6H.6.019 GOST 5915-70
	6		4	Nut M12-6H.04.019 GOST 5919-73
	7		4	Washer S 10.01.019 GOST 11371-78
	8		4	Washer S 12.01.019 GOST 11371-78
	9		4	Washer 10 OT OST 37.001.115-75
	10		4	Washer 12 OT OST 37.001.115-75
	12	2022-8405010	1	Foot step

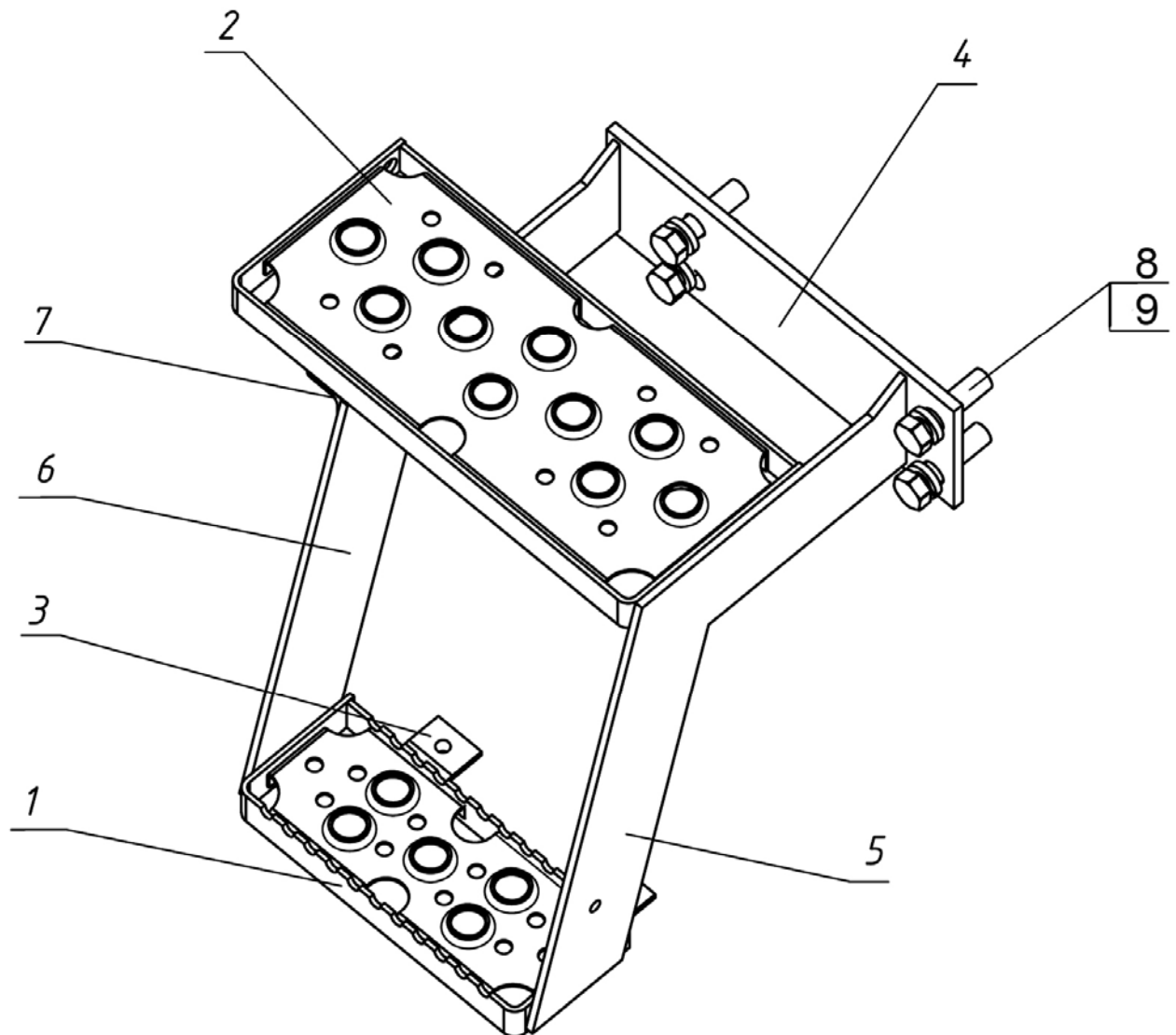


Fig. 84.6 Additional foot step

Group 84. Hood and fenders
Subgroup 8405. Additional foot step

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
84.6		2022-8405040	1	Additional foot step
	1	2022-8405060	1	Step
	2	822-8405020-02	1	Step
	3	2022-8405035	2	Angle piece
	4	2022-8405031	1	Strap
	5	2822-8405051	1	Post
	6	2822-8405051-01	1	Post
	7	2822-8405053	1	Support (angle piece 32x32x4 V GOST 8509-93/st 3 sp GOST 535-88 L=170 mm)
	8		4	Bolt M16-6gx60.88.35.019 GOST 7795-70
	9		4	Washer 16 OT OST 37.001.115.75

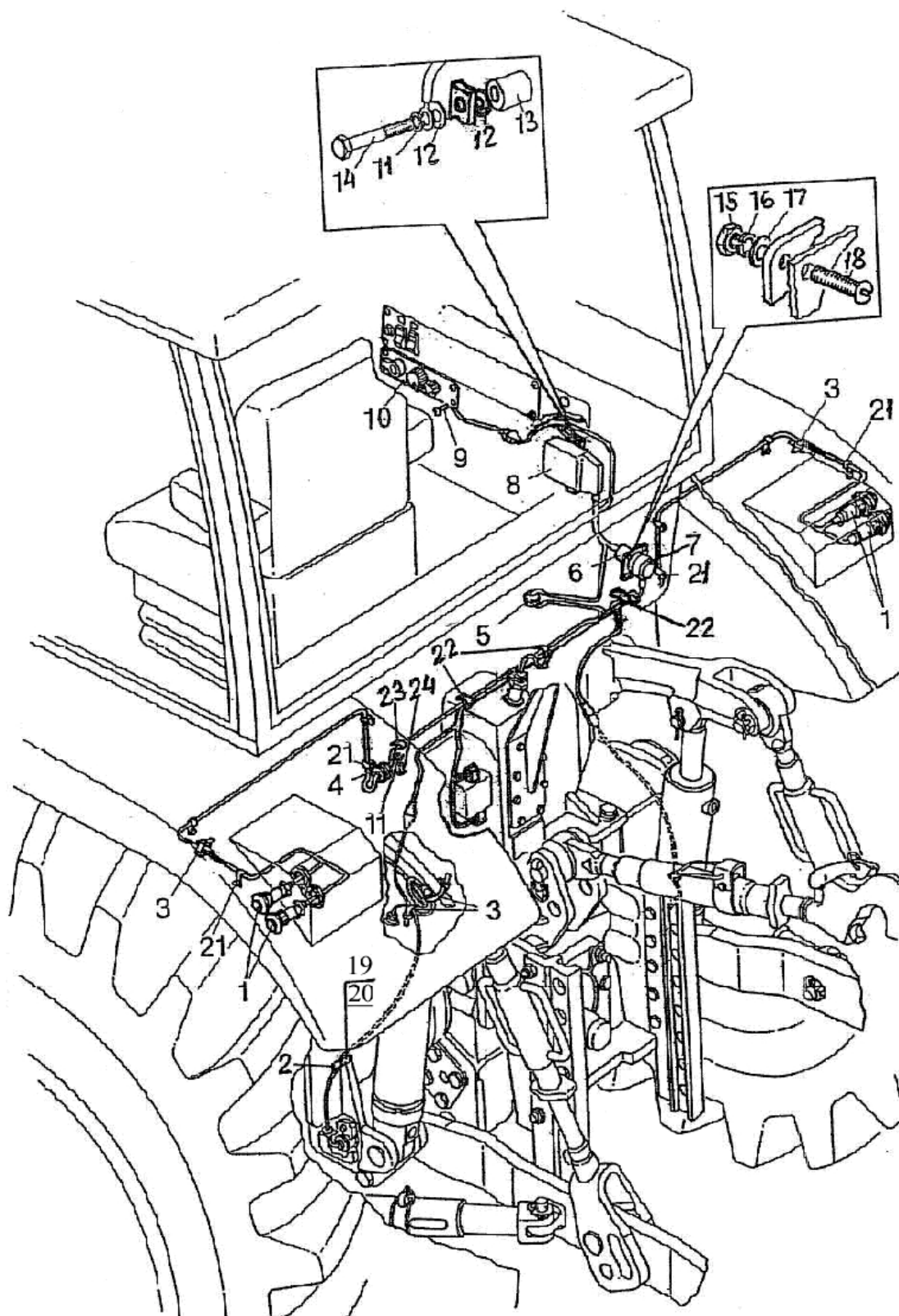


Fig. 87.1 Lift linkage control

Group 87. Control system
Subgroup 8700. Lift linkage control

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
87.1		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		4	Screw V. M4-6gx20.58.019 GOST 17474-80
	10		1 1	Control panel 0538201611 or control panel PU-03* TU BY 300044189.053-2007
	11		6	Washer 6T OST 37.001.115-75
	12		4	Washer S6 .01.019 GOST 6958-78
	13	R50-4616023	2	Bushing
	14		2	Bolt M6-6gx35.88.019 GOST 7798-70
	15		4	Nut M3-6H.6.019 GOST 5927-70
	16		4	Washer 3T OST 37.001.115-75
	17		4	Washer S3.01.019 GOST 11371-78
	18		4	Screw V. M3-6gx16.59.019 GOST 17473-80
	19		2	Bolt M8-6gx16.88.35.019 GOST 7796-70
	20		2	Washer 8T OST 37.001.115-75
	21	1221-8700022	8	Clamp
	22	1321-8700019-01	3	Clamp
	23	1321-8700019-02	1	Clamp
	24		4	Bolt M6-6gx12.88.35.019 GOST 7798-70

* - for 1522-8700610-02

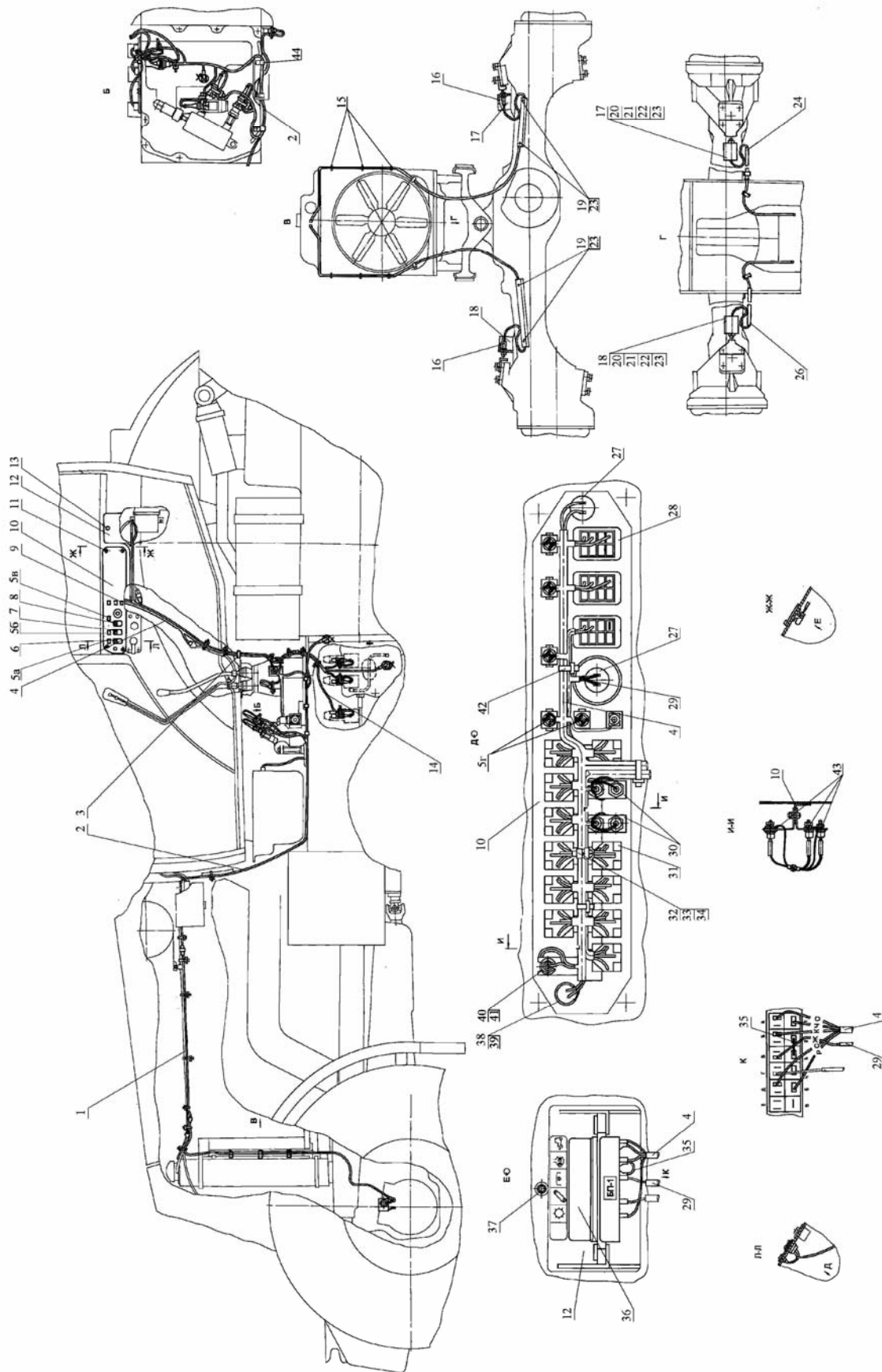


Fig. 87.2 DL, FDA, front PTO and gear unit control (2022-8700250-D)

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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
87.2	1	1522-3724850-B	1	Bundled cable
	2	2022-3724930-ZH	1	Bundled cable
	3	70-3723042-02	1	Bushing
	4	2022-3724920-ZH	1	Bundled cable
	5a	3803.45	1	FDA pilot lamp
	5B	3803.40	1	DL pilot lamp
	5V	3803.70	1	Front PTO pilot lamp
	5G	3803.55	2	Orange pilot lamp
	6	3709.70	1	FDA switch
	7	3709.65	1	DL switch
	8	3709.75	1	PTO switch
	9	3803.60	1	Red pilot lamp
	10	2522-8700215	1	Panel
	11		4	Screw V.M6-6gx20.58.019 GOST 17474-80
	12	822-3801341	1	Dashboard
	13	80-3805065	1	Screw
	14	922-3724850	1	Bundled cable
	15	50-3723021	6	Clip
	16	8700250.3	2	Contactless position sensor
	17	2022-8700027-01	1	Bracket
	18	2022-8700027	1	Bracket
	19		4	Bolt M8-6gx16.88.35.019 GOST 7796-70
	20		4	Bolt M8-6gx30.88.35.019 GOST 7796-70
	21		4	Nut M8-6H.6.019 GOST 5915-70
	22		4	Washer S8.01.019 GOST 11371-78
	23		8	Washer 8T OST 37.001.115-75
	24	2422-8700028-01	1	Plate
	26	2422-8700028	1	Plate
	27	VK 12-1	2	Switch TSIKS 642241.001 TU
	28	80-3801021	3	Switch jack
	29	1220-3724940	1	Bundled cable
	30	1522-8700221	2	Bracket
	31		1	
		3747.50	6	Cut-in relay 30A or
		3747.40	4	Cut-out relay 20A
	32		7	Screw V.M6-6gx16.58.019 GOST 17473-80
	33		7	Nut M6-6H.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		1	Ring 006-010-25-1-4 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
	44	80-3723016	2	Bracket

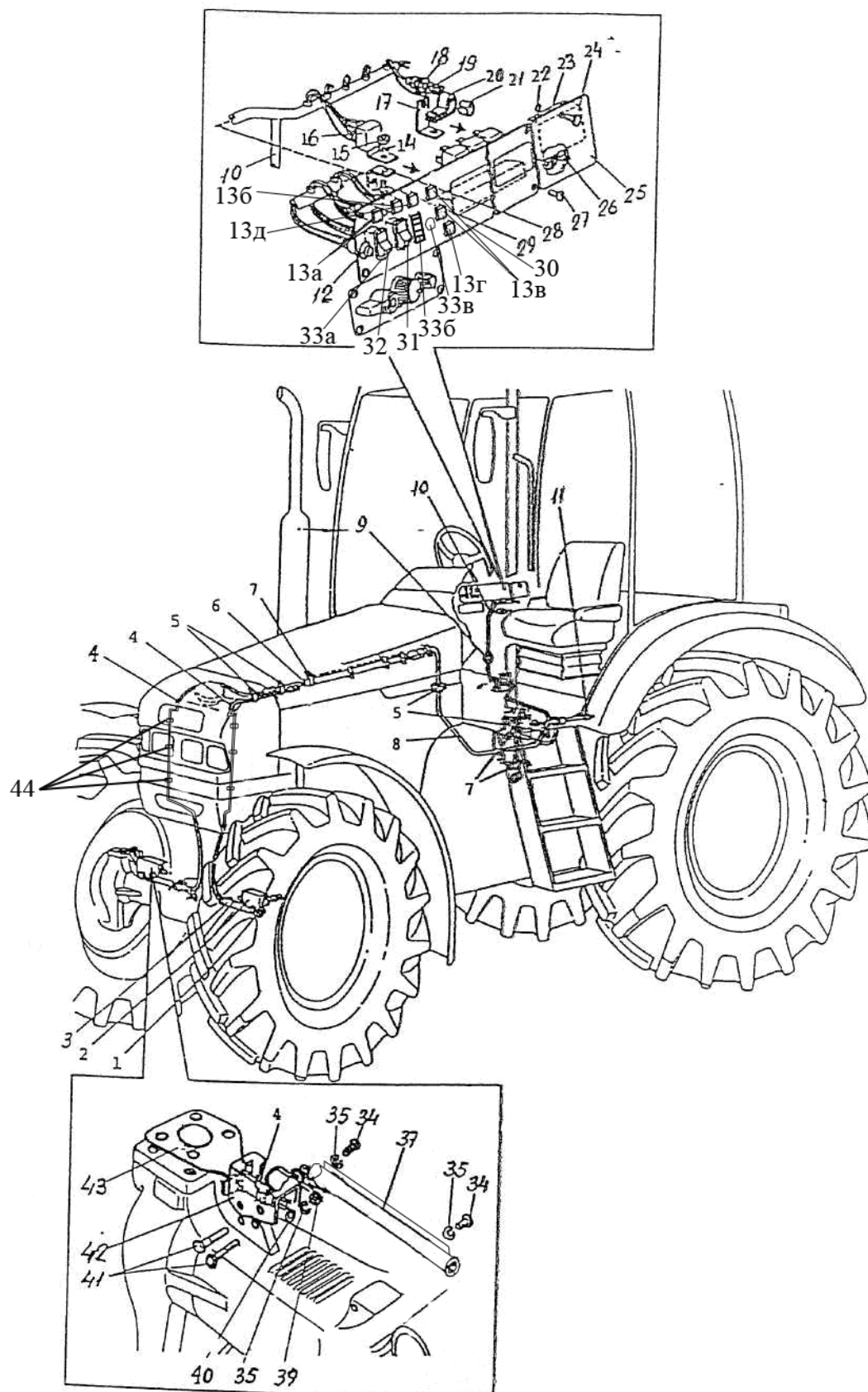


Fig. 87.3 DL, FDA and gear unit control (2022-8700450-D)

Group 87. Control system
Subgroup 8700. DL, FDA and gear unit control

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
87.3	1	2022-8700030	1	Bracket (left)
	2	2022 -8700027	1	Bracket
	3	2422-8700028	1	Plate
	4	8700250.3	2	Contactless position sensor
	5	80-3723045-01	11	Collar
	6	1522-3724850	1	Bundled cable
	7	80-3723045	15	Collar
	8	2022-3724930-ZH	1	Bundled cable
	9	70-3723042-02	1	Bushing
	10	2022-3724920-ZH	1	Bundled cable
	11	80-3723016	2	Bracket
	12		1	Switch VK 12-1 TSIKS 642241.001 TU
	13a	3803.45	1	FDA pilot lamp
	13B	3803.40	1	DL pilot lamp
	13V	3803.55	2	Orange pilot lamp
	13G	3803.60	1	Red pilot lamp
	13D	3803.125	1	Pilot lamp 12.383-41 TU RB 300228919.037-2002
	14		7	Washer 6T OST 37.001.115-75
	15		7	Nut M6-6H.6.019 GOST 5915-70
	16	3747.50 3747.40	1 5 4	Relay or Cut-in relay 30A or Cut-out relay 20A
	17	1522-8700221-A	1	Bracket
	18	1522-8700222	1	Bushing
	19		4	Washer 5T OST 37.001.115-75
	20	1321-8700019	1	Clamp
	21	PR-32-01	1	Sealant
	22		1	Ring 006-010-25-1-4 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		4	Screw V. M6-6gx20.58.019 GOST 17474-80
	28	1522-8700221	2	Bracket
	29		7	Screw V. M6-6gx16.58.019 GOST 17473-80
	30	2522-8700215	1	Panel
	31	3709.65	1	DL switch
	32	3709.70	1	FDA switch
	33a	80-3801021	3	Switch jack
	33B	80-3801327	1	Blind plug
	33V	3710.076	1	Switch VK 12-1 TSIKS 642241.001TU

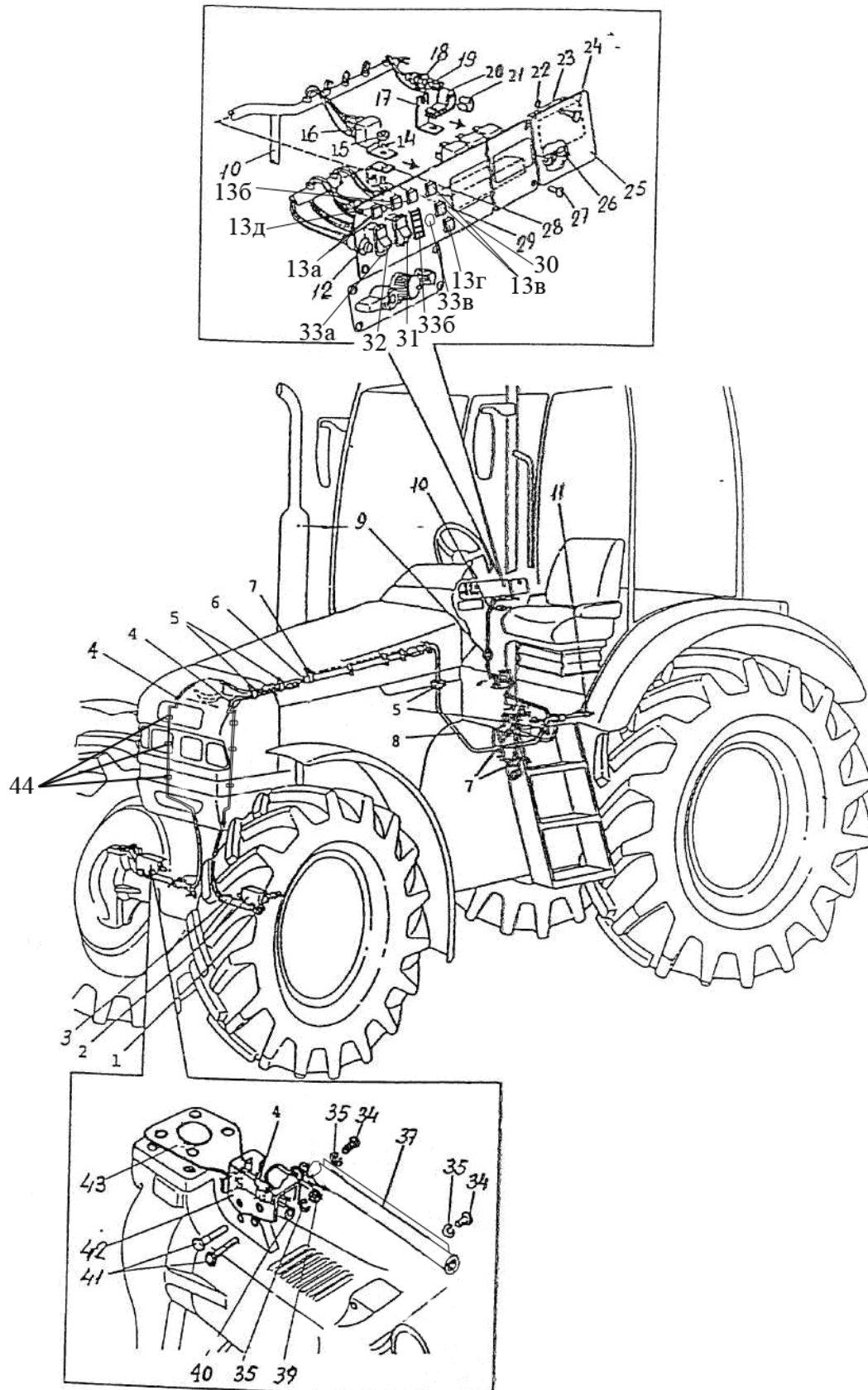


Fig. 87.3 DL, FDA and gear unit control (2022-8700450-D)

Group 87 Control system
Subgroup 8700. DL, FDA and gear unit control

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
87.3	34		4	Bolt M8-6gx16.88.35.019 GOST 7796-70
	35		10	Washer 8T OST 37.001.115-75
	37	2422-3700028 -01	1	Plate
	39		4	Nut M8-6H.6.019 GOST 5915-70
	40		4	Washer S8.01.019 GOST 11371-78
	41		4	Bolt M8-6gx30.88.35.019 GOST 7796-70
	42	2022-8700027-01	1	Bracket
	43	2022-8700030-01	1	Bracket (right)
	44	50-3723021	6	Clip

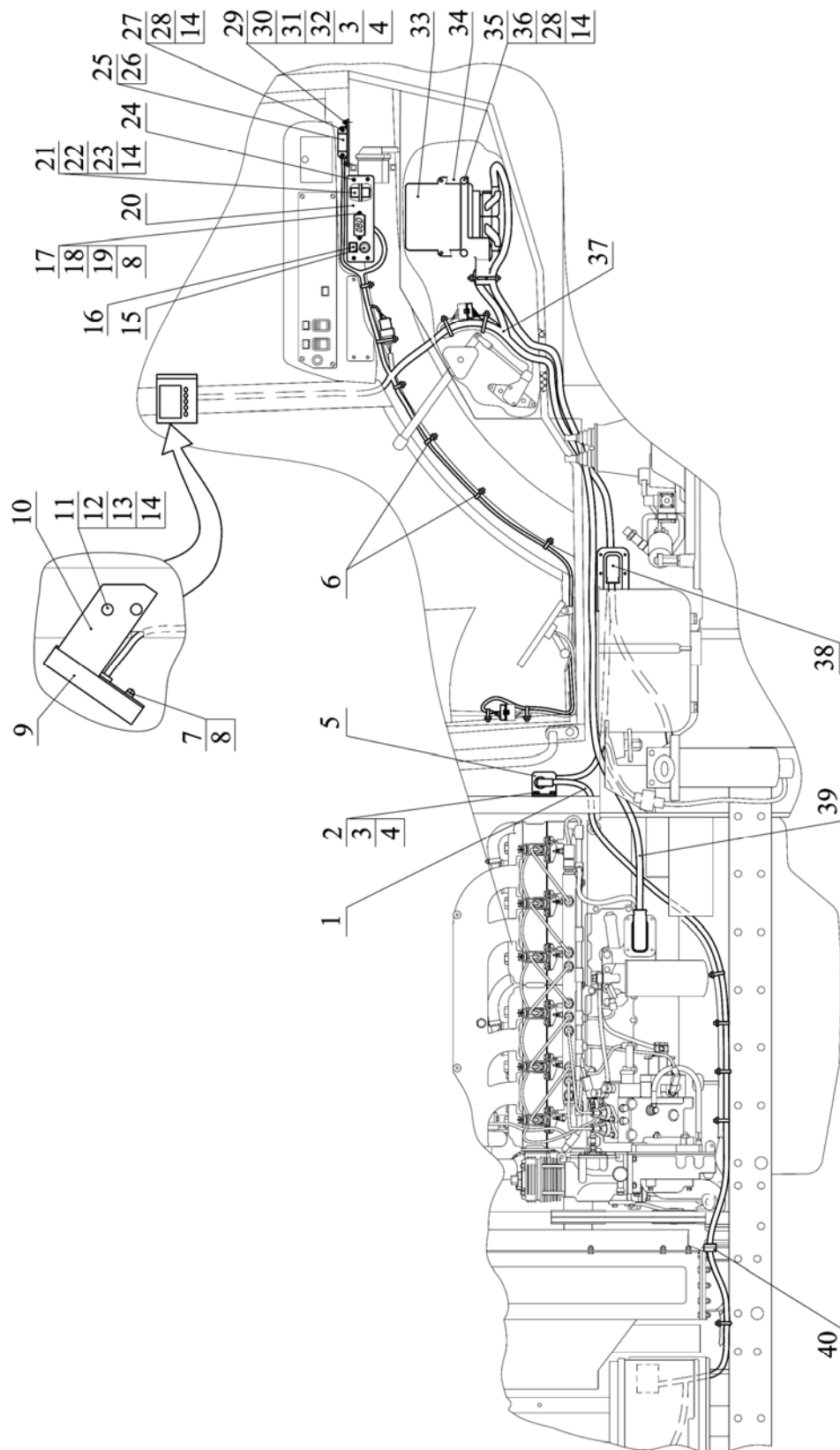


Fig 87.4 Engine control (2022.5-8700910-M)

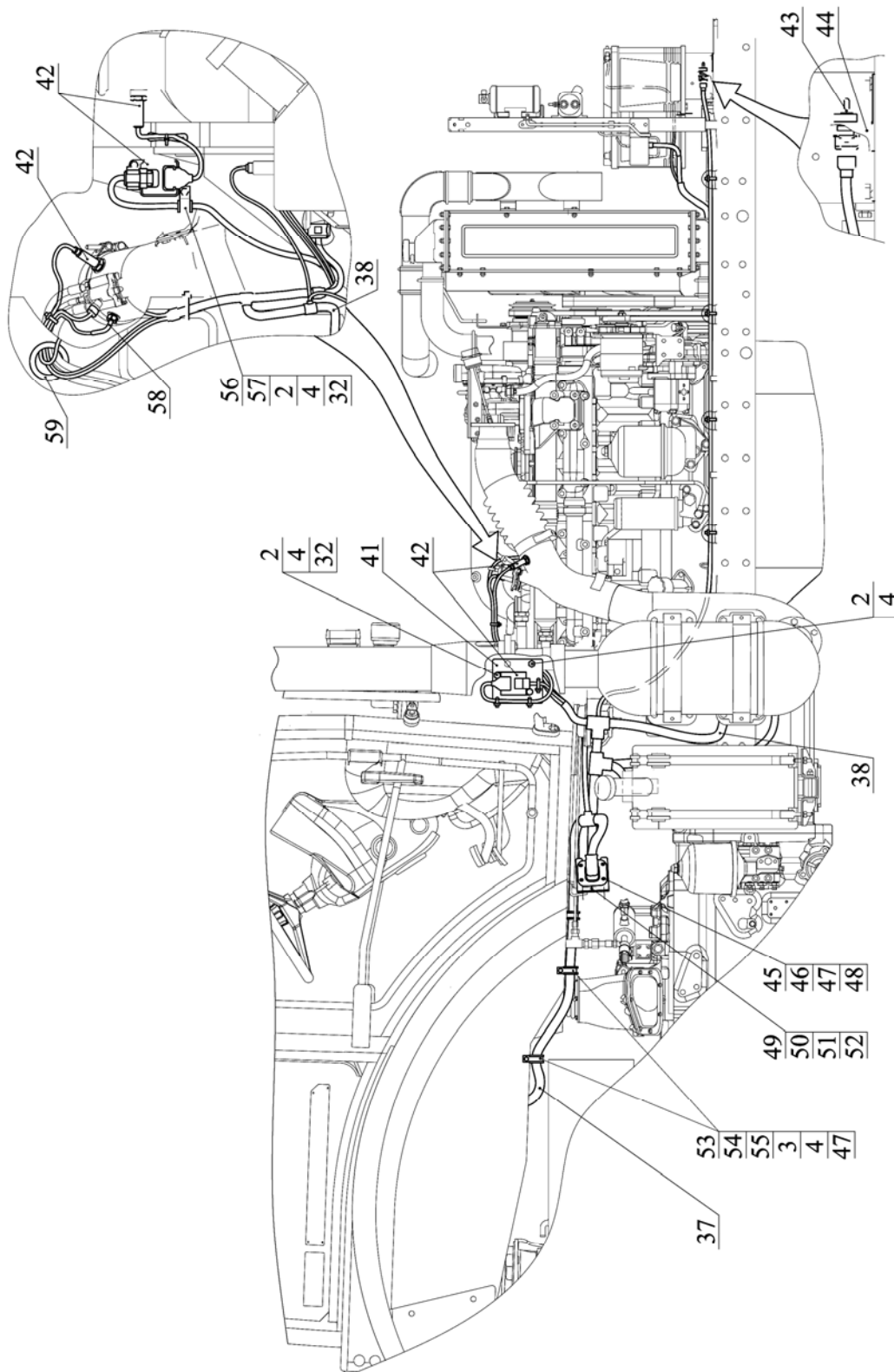


Fig. 87.5 Engine control (2022.5-8700910-M)

Group 87 Control system
Subgroup 8700. Engine control (2022.5-8700910-M)

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
87.4 87.5	1	2022.5-3724965-M	1	Bundled cable
	2		7	Bolt M8-6gx16.88.35.019 GOST 7796-70
	3		6	Nut M8-6H.6.019 GOST 5915-70
	4		11	Washer 8T OST 37.001.115-75
	5	1221.4-8700938-M	1	Bracket
	6	80-3723045-01	28	Collar
	7		4	Screw V.M4-6gx10.58.019 GOST 17473-80
	8		6	Washer 4 OST 37.001.115-75
	9	3761.077	1	Information monitor 948035
	10	2022D.4-8700944-B	1	Bracket
	11	A30.04.017	2	Cap
	12		2	Bolt M6-6gx25.88.35.019 GOST 7798-70
	13		2	Washer S 6.01.019 GOST 11371-78
	14		11	Washer 6T OST 37.001.115-75
	15	3710.80	1	Button switch
	16	3803.55	1	Orange pilot lamp
	17		2	Screw V.M4-6gx16.58.019 GOST 17473-80
	18		2	Nut M4-6H.6.019 GOST 5927-70
	19		2	Washer S 4.01.019 GOST 11371-78
	20	2022.5-8700915-M	1	Panel
	21	3747.50	5	Cut-in relay 30A
	22		3	Screw V.M6-6gx16.58.019 GOST 17473-80
	23		3	Nut M6-6H.6.019 GOST 5915-70
	24		4	Screw V.M4-6gx20.58.019 GOST 17474-80
	25	3722.20	1	Fuse block
	26	2022.5-8700925-M	1	Bracket
	27		2	Screw V.M6-6gx20.58.019 GOST 17473-80
	28		6	Washer S 6.01.019 GOST 6958-78
	29	1220-1109114	2	Bushing
	30		2	Bolt M8-6gx30.88.35.019 GOST 7796-70
	31		3	Washer S 8.01.019 GOST 6958-78
	32		6	Washer S 8.01.019 GOST 11371-78
	33	3761.023	1	Control unit EDC17CV54 0 281 D 102 PM-01*
	34	2022.5-8700940-M	1	Bracket
	35		4	Bolt M6-6gx45.88.35.019 GOST 7795-70
	36		4	Nut M6-6H.6.019 GOST 5927-70
	37	2022.5-3724960-M	1	Bundled cable
	38	2022.5-3724980-M	1	Bundled cable
	39	3761.101	1	Cable bundle extension 260-3724312*
	40	70-3723042-02	1	Bushing
	41	2022.5-8700935-M	1	Bracket
	42	517511	2	Sensor NOx 0452 S20 4RY-00*
	43	517512	1	Ambient temperature sensor 0 452 S20 4YF-00*
	44	1025.5-8700930-M	1	Bracket

Group 87 Control system
Subgroup 8700. Engine control (2022.5-8700910-M)

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
87.4 87.5	45		4	Screw V.M5-6gx20.58.019 GOST 17473-80
	46		4	Nut M5-6H.6.019 GOST 5927-70
	47		4	Washer S 5.01.019 GOST 11371-78
	48		4	Washer 5T OST 37.001.115-75
	49	2022.5-8700912-M	1	Bracket
	50		2	Bolt M12-6gx25.88.35.019 GOST 7796-70
	51		2	Nut M12-6H.6.019 GOST 5915-70
	52		2	Washer 12 OT OST 37.001.115-75
	53	P80-4607013	3	Clamp
	54	PR-36-03	3	Sealant UM6a
	55		2	Bolt M8-6gx25.88.35.019 GOST 7796-70
	56	70-3506027	1	Bushing
	57	70-1115012-01	1	Clamp
	58	517510	1	Temperature sensor 0452 S20 4TD-00*
	59	H50-4607102	1	Bushing