
BELARUS **952.5**

with D-245.5S3B engine

952.5-0000010 KDS

CATALOGUE OF PARTS AND ASSEMBLY UNITS

2013

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INTRODUCTION

The present catalogue contains the whole range of assembly units and parts for tractors "BELARUS-952.5", equipped with engine D-245.5S3B.

The catalogue is meant for organizations and firms that are concerned with tractor sales, operation and repair. It can be used in calculation and preparation of orders for spare parts and serves as a manual during tractor disassembling and assembling.

All changes related to tractor design development are represented in respective information sheets.

HOW TO USE THE CATALOGUE

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

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

«....52-2303030 2 Gear (5-7)».

It means that assembly unit "Gear" in the number of 2 pieces per unit consists of the following parts: gear (pos. 5), gasket (pos. 6) and blind plug (pos. 7). "Quantity" column gives number of assembly units and parts used in this subgroup (2303) 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 "70-2406060-04 (right cage)" and "70-2406060-05 (left cage)" have different structural variations and **are not interchangeable**.

Some parts, taken from previous tractor models, have alphanumeric designations. For example, "D18-051 Bolt".

PURPOSE

The tractor "BELARUS-952.5" is intended for performance of various general –purpose agricultural operations with mounted, semi-mounted and trailed machines and implements, for loading-unloading works and transportation works. The tractor is a general-purpose wheeled tractor of traction class 1,4 with the wheel formula 4X4.

Tractor framework – semi-frame.

Undercarriage: front and rear driving wheels, with pneumatic tyres of low pressure. Steering wheels are front wheels. The wheels can be twinned by means of spacers.

The tractor is equipped with 4-stroke piston four-cylinder inner combustion engine with in-line vertical arrangement of cylinders, with direct injection of diesel fuel and compression ignition, corresponding to environmental requirements of Stage 3B.

System of engine lubrication is combined, some parts are lubricated under pressure, some – by spattering. The lubrication system consists of an oil sump, oil pump, liquid-oil heat exchanger, oil filter and oil filter with paper filtering element.

The engine fuel supply system consists of the following parts:

- accumulator system of fuel supply Common RAIL, including a high-pressure fuel pump, injectors, fuel accumulator under high pressure, sensors of engine working environment condition (pressure and temperature of fuel and air), electromagnetic actuating mechanisms (fuel governor, electromagnetic injection valves), electronic unit of control and communication check circuits, low-pressure pipelines, high-pressure pipelines;

- fuel fine filters;

- fuel coarse filters.

System of engine start-up is electric starter. A means of start-up facilitation under low environmental temperatures are the heating plugs.

System of air delivery consists of a turbocharger, an air pipeline and a system of charged air cooling.

The turbocharger is executed as follows: radial centripetal turbine and centrifugal single-stage compressor with cantilever arrangement of wheels in relation to supports.

Cooling system for charged air is of a radiator type. The CAC radiator is intended for cooling the air, charged into the inlet collector.

System of engine cooling is closed-type with coolant compulsory circulation executed by a centrifugal pump. The water pump is driven by a V-belt from the crankshaft pulley. For acceleration of engine warming up after start-up and for automatic control of a temperature mode at various loadings and ambient temperatures there is an thermostat.

To provide for a required chemical composition of exhaust gases under Tier-IIIB stage the system of selective catalytic reduction (SCR) is additionally installed in the exhaust system.

The coupling clutch is frictional, dry, two-disc, spring-loaded.

The tractor in basic configuration is equipped with synchromesh gearbox with synchronized speed-increase unit, with double-lever or single-lever control, with mechanical/hydraulic creeper drive. Possible optional tractor configuration variants are given in table on page 70.

The rear axle is with the main drive, differential and final drives.

Brakes: service brakes are multidisc, oil-lubricated, located on final drive pinion shafts; the parking brake is independent, manually controlled. It is possible to mount the dry-friction brakes. The trailer brake control drive can be either double-line pneumatic, or hydraulic, interlocked with tractor service brakes control. Against order the tractor may not be equipped with the trailer brake pneumatic drive – tires are inflated through a valve of the pneumatic compressor.

The rear power takeoff shaft is continuous dual-speed (540 and 1000 min⁻¹) and synchronous, the direction of rotation is clockwise when viewed from the shaft end face. There are PTO shaft end extensions: PTO shaft end extension 1 (6 splines, 540 min⁻¹), PTO shaft end extension 1c (8 splines, 540 min⁻¹), PTO shaft end extension 2 (21 splines, 1000 min⁻¹).

Steering is hydrostatic. The feed pump is gear-type, the direction of rotation is left. The dosing pump is gerotor-type. The type of the rotation mechanism - one hydraulic cylinder (TS63x200) of bidirectional operation and a steering linkage.

Front driving axle – with main gear, self-locking differential, final drives (planetary-cylindrical gear unites). Front driving axle drive – transfer gearbox with automatic FDA engagement, two cardan shafts and center bearing with overload release clutch. FDA drive control is mechanical.

Hydraulic system is remote cylinder hydraulic system with hydraulic lift (which provides draft control, position control, depth and mixed control of the agricultural implements), or with draft control unit (which provides draft, position and depth control of agricultural implements), with left and right side outputs. Optional can be mounted rear right outputs, interconnected with left side outputs. For operation with constant supply hydraulic units, for example hydraulic engines, optional on the rear can be mounted free drain.

The rear lift linkage is a three-point linkage of category 2 under ISO 730 and a linkage 2 under GOST 10677 with outer or inner lock of lower links. There are two cylinders 80x220.

Drawbar hitches:

- short towing yoke DH 2V – for coupling with semi-trailers and semi-trailed implements;
- long towing yoke DH 3V – for coupling with trailers and trailed implements;
- pin DH-2R (“Python”) – for coupling with semi-trailers and semi-trailed machines (option);
- towing bar DH-1M-01 –for coupling with semi-trailed and trailed agricultural machines (option);
- cross bar DH-1 – for coupling with trailed and semi-trailed machines (option).
- twin cross bar DH-1ZH-01 for coupling with trailed and semi-trailed machines (option).

The cabin is a one-seated with a protective rigid framework, having thermal, noise and vibration insulation, equipped with a sprung seat adjustable for operator's height and weight, with rear-view mirrors, with a sun visor, with electrical wipers for front and rear screens, with front and rear screen washers, with a roof lamp and a place to install a radio set, with a system of heating and ventilation (against order – with additional air-conditioning system). Upon request the tractor can be equipped with an additional seat. The cab doors have got locks, there are keys for the left door. Right door is an emergency exit. The cab complies with category 2 according to EN 15695-1:2009.

The electrical equipment complies with GOST 3940. The rated power supply voltage for on-board network is 12V. The rated voltage for the start-up is 12V.

Instruments are a combination of devices; these are an integrated indicator; informational display; pilot lamps (glow lamps and light emitting diodes), located on the block of pilot lamps, on the control panel of the rear axle differential lock and rear PTO, engine control system board.

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 Motorny Zavod (Minsk Motor Plant)

KDS – Catalogue of parts and assembly units

KD – Catalogue of parts

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

Russian (Cyrillic Alphabet) Symbols	English Equivalents	Russian (Cyrillic Alphabet) Symbols	English Equivalents
А	A	ШП	SHP
Б	B	...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	T; TS	ВК	VK
У; 70У-..., УМЖ, УКФ,	U; 70U-..., UMZH, UKF	ШЦК	SHCK
Х; ХЧП	H; HCHP	ПК КГ 3/8"	PK KG 3/8"
Ц; Ц125, ЦИКС	TS; TS 125 TSIKS	ДОТ	DOT
Ч; СЧ	CH; SCH	ТД, ТИИР	TD, TIIR
Ш	SH	ЛБИЕ, ЛЯКШ	LBIE LYAKSH
НМШ; НШ	NMSH; NSH	ДАДМ	DADM
Ф, ФП	F, FP	ДУОТ	DUOT
ШП 8, ШЧ8	SHP 8, SHCH 8	ЭФО	EFO

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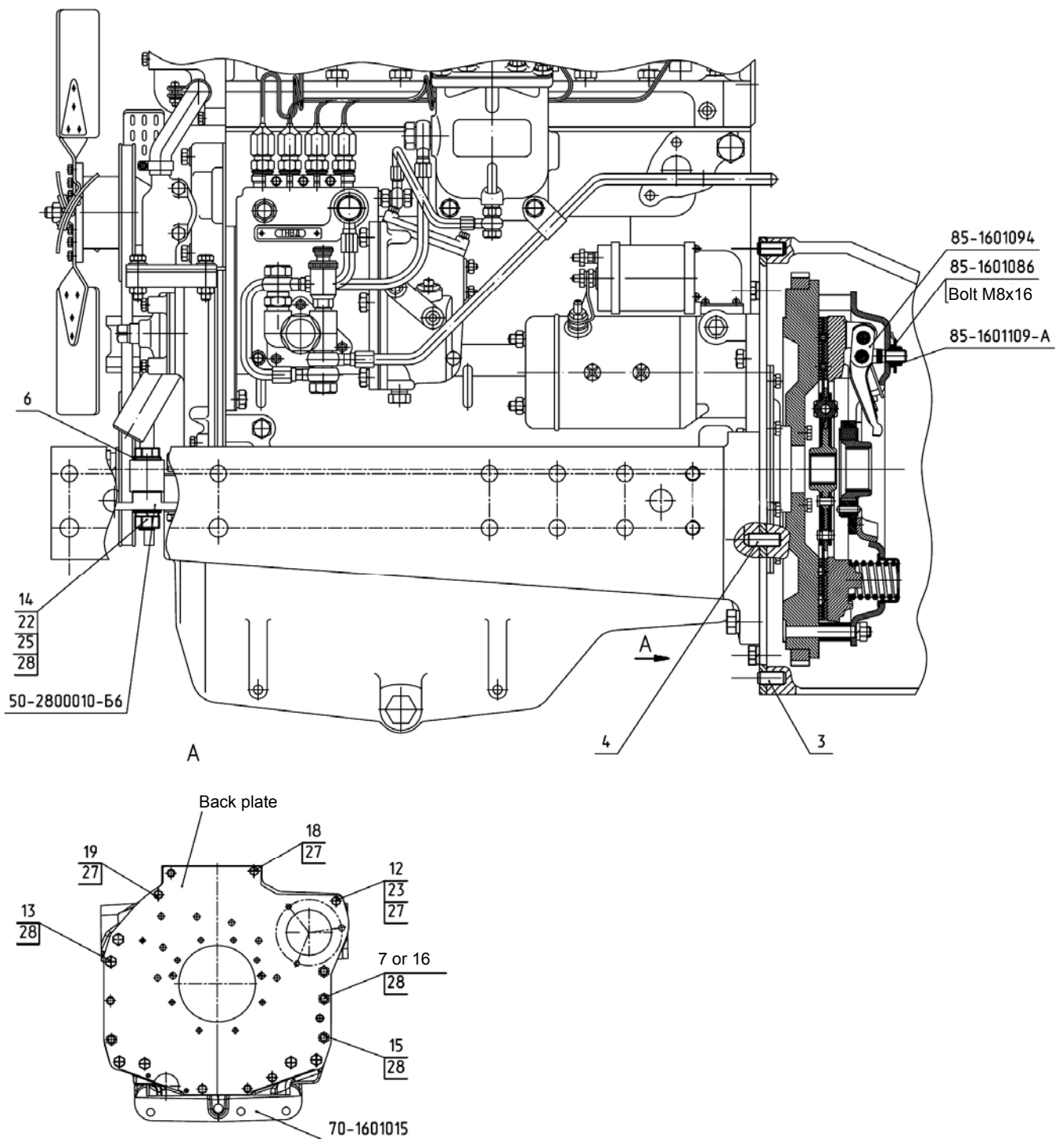


Fig.10.1 Engine assembly

Group 10. Diesel engine mechanisms
Subgroup 1001. Engine assembly

Fig.No	Pos.No	Designation	Q-ty	Description
10.1		70-1001001	1	Engine assembly
	3	D01-015	2	Dowel pin
	4	50-1601352	2	Dowel pin
	6	52-2301065	2	Washer
	7	70-2800016-01	2	Bolt
	12	M12-6gx65.88.35.019 GOST 7795-70	1	Bolt
	13	M16-6gx60.88.35.019 GOST 7795-70	6	Bolt
	14	M16-6gx100.88.35.019 GOST 7795-70	2	Bolt
	15	M16-6gx120.88.019 GOST 7795-70	2	Bolt
	16	M16-6gx150.88.35.019 GOST 7795-70	2	Bolt
	18	M12-6gx30.88.35.019 GOST 7796-70	3	Bolt
	19	M12-6gx35.88.35.019 GOST 7796-70	1	Bolt
	23	M12-6H.04.019 GOST 5916-70	1	Nut
	22	M16-6H.6.019 GOST 5915-70	2	Nut
	25	S.16.01.019 GOST 11371-79	2	Washer
	27	12 OT OST 37.001.115-75	5	Washer
	28	16 OT OST 37.001.115-75	12	Washer

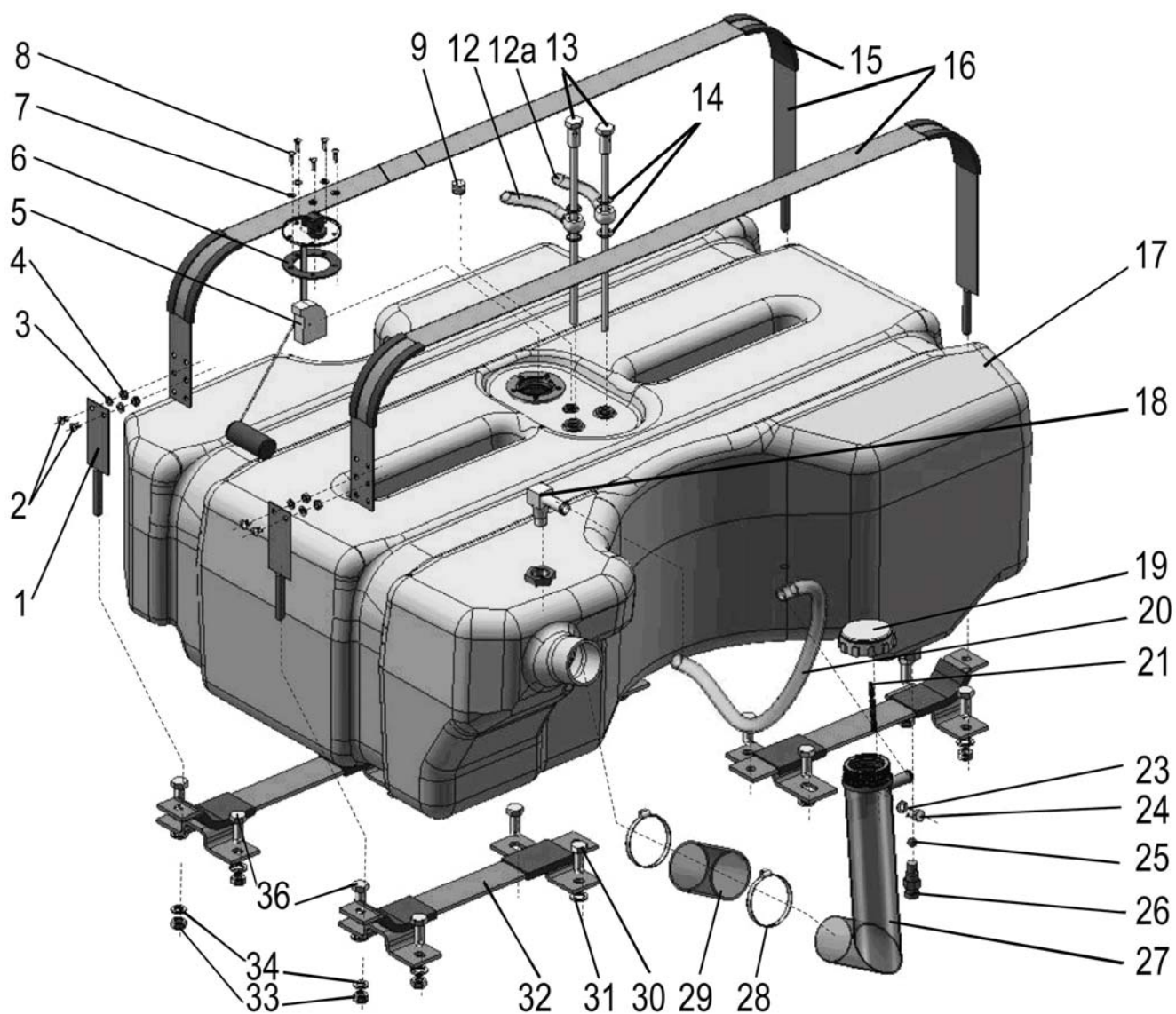
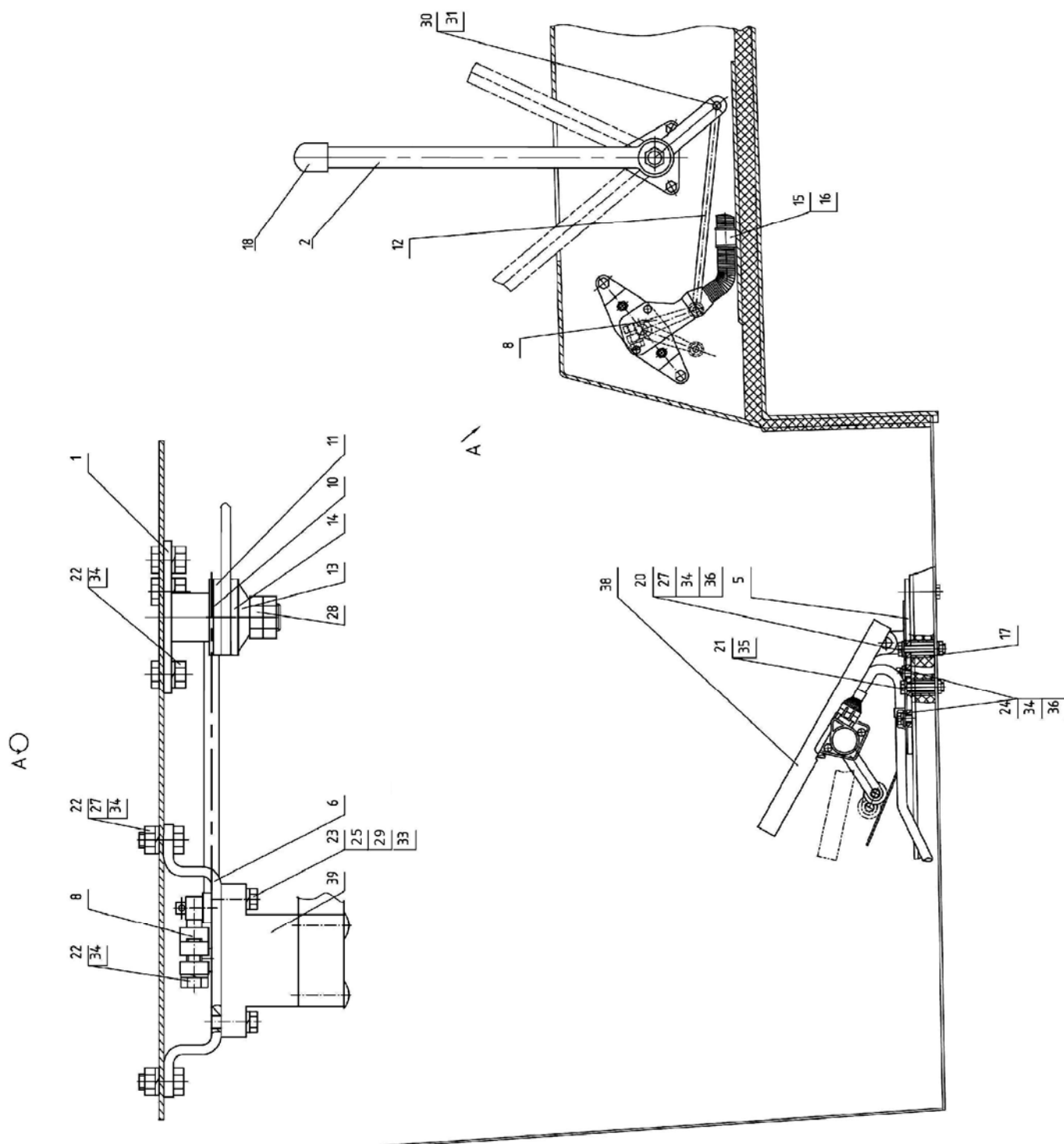


Fig.11.1 Fuel tank

Group 11. Fuel feed system
Subgroup 1101. Fuel tank

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
11.1		920-1101600-03	1	Tank
	1	1221-1101690-01	2	Clamp
	2	M6-6gx10.58.019 GOST 17473-80	4	Screw
	3	6T OST 37.001.115-75	4	Washer
	4	M6-6H.6.019 GOST 5915-70	4	Nut
	5	DOT.265CH-01	1	Sensor
	6	200-3806026	1	Gasket
	7	80-1101067	5	Washer
	8	V.M5-6gx35.58.019 GOST 17475-80	5	Screw
	9	KG 1/8".A12.019	1	Plug
	12	920-1101162-11	1	Pipe
	12a	920-1101162-10	1	Pipe
	13	1221-1101530	2	Fuel intake
	14	RM14	6	Washer
	15	PR-43-03	4	Sealant UM6
	16	1221-1101680	2	Clamp
	17	1221-1101510 or YAVAG1221-1101510	1	Tank
	18	1221-1101620	1	Angle piece
	19	082-1103010	1	Plug
	20	85-1101002	1	Pipe
	21	36-1101070	1	Chain
	22	S 8.01.019 GOST 11371-78	1	Washer
	23	8T OST 37.001.115-75	1	Washer
	24	M8-6gx20.88.35.019 GOST 7796-70	1	Bolt
	25	11.112-100 GOST 3722-81	1	Ball
	26	822-1101081	2	Fitting
	27	920-1101260	1	Filler neck
	28	XC-61	2	Clamp
	29	70-1101035-B	1	Hose
	30	M12-6gx45.88.35.019 GOST 7796-70	8	Bolt
	31	12 OT OST 37.001.115-75	8	Washer
	32	1221-1101130	4	Bracket
	33	M10-6H.04.019 GOST 5916-70	12	Nut
	34	10 OT OST 37.001.115-75	12	Washer
	36	M10-6gx25.88.35.019 GOST 7796-70	8	Bolt



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

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
11.2		1221.4-1108000	1	Fuel feed control
	1	1221-1108105	1	Bracket
	2	1221-1108350	1	Handle
	5	1221.4-1108004	1	Plate
	6	1221.4-1108007	1	Bracket
	8	3022-1108003	1	Lever
	10	80-1108028	1	Washer
	11	80-1108178	1	Friction washer
	12	80V-1108344	1	Rod
	13	80V-1108347	1	Disc spring
	14	822-1108028	1	Washer
	15	70-1115012	1	Clamp
	16	70-3506027	1	Bushing
	17	2522-6702066-01	2	Bushing
	18	A13.11.000	1	Handle
	20	M8-6gx45.88.35.019 GOST 7795-70	1	Bolt
	21	M10-6gx45.88.35.019 GOST 7795-70	1	Bolt
	22	M8-6gx25.88.35.019 GOST 7796-70	6	Bolt
	23	M6-6gx25.88.35.019 GOST 7798-70	2	Bolt
	24	M8-6gx14.88.35.019 GOST 7798-70	2	Bolt
	25	M6-6H.6.019 GOST 5915-70	2	Nut
	27	M8-6H.6.019 GOST 5915-70	3	Nut
	28	M14x1,5-6H.04.019 GOST 5916-70	2	Nut
	29	S.6.01.019 GOST 11371-78	2	Washer
	30	2x12.019 GOST 397-79	2	Split pin
	31	6x22 OST 37.001.163-75	2	Pin
	33	6T OST 37.001.115-75	2	Washer
	34	8T OST 37.001.115-75	9	Washer
	35	10 OT OST 37.001.115-75	1	Washer
	36	S 8.01.019 GOST 11371-78	3	Washer
	38	EAAX-EXP0023, Ukraine or 225360, England or PЗ-35-01, Novopolotsk City	1	Electronic pedal
	39	S-01, Novopolotsk City or EAAX-EFT1743, Ukraine	1	Hand control sensor

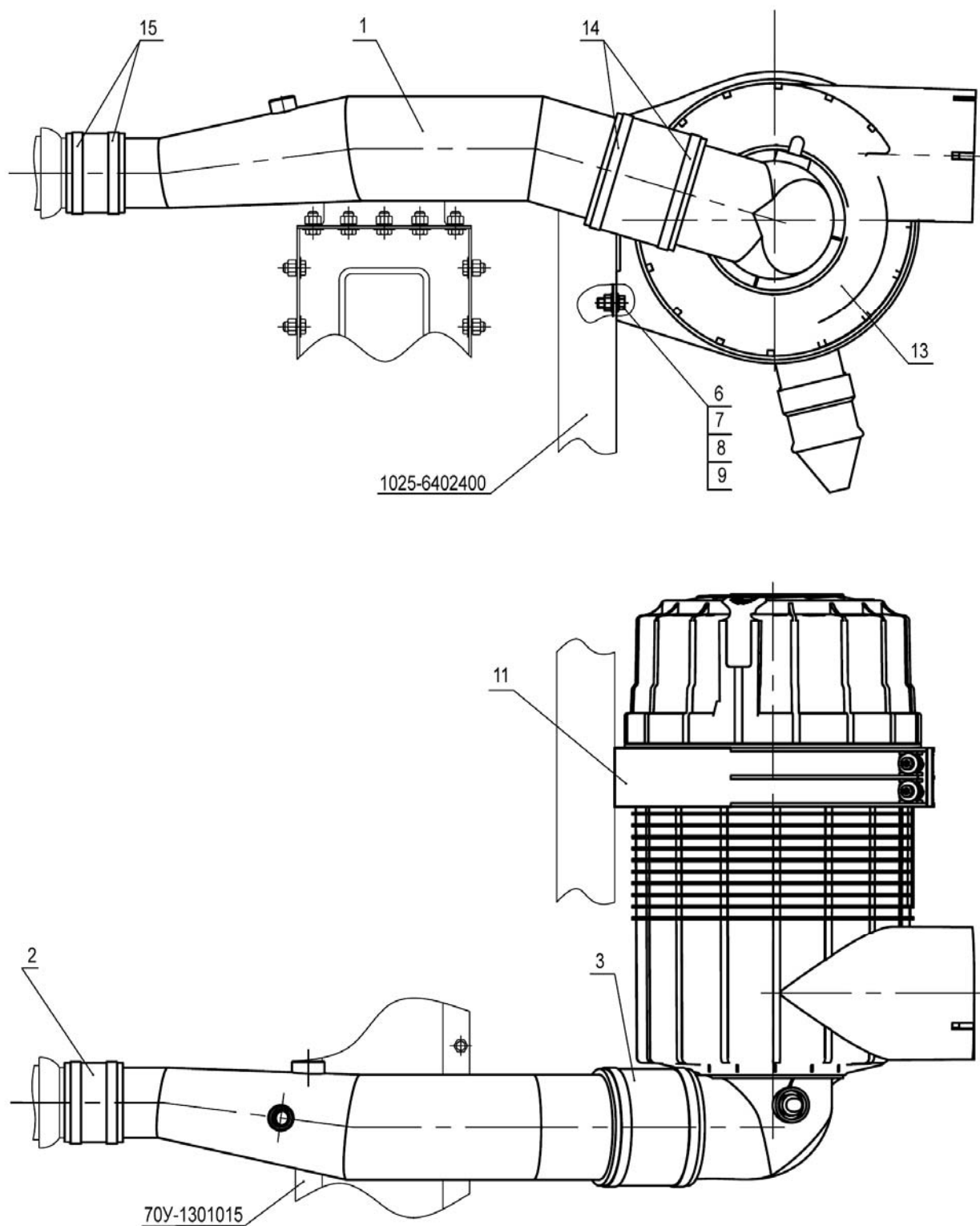


Fig.11.3. Air cleaner assembly

Group 11 Fuel feed system
Subgroup 1109 Air cleaner assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
11.3		1025-1109125		Air cleaner assembly
	1	1025-1109211	1	Air duct
	2	1025-1109006 or 1317.07	1	Connecting pipe Blue silicone connecting pipe 60x80
	3	1025.4-1008029	1	Connecting pipe
	6	M8-6gx25.88.35.019 GOST 7796-70	2	Bolt
	7	M8-6H.6.019 GOST 5915-70	2	Nut
	8	S8.01.019 GOST 6958-78	4	Washer
	9	8T OST 37.001.115-75	2	Washer
	11	1109.02	1	Bracket
	13	1109.01	1	Air filter
	14	5000.09	2	Clamp with worm thread 90-110
	15	5000.07	2	Clamp with worm thread 60-80

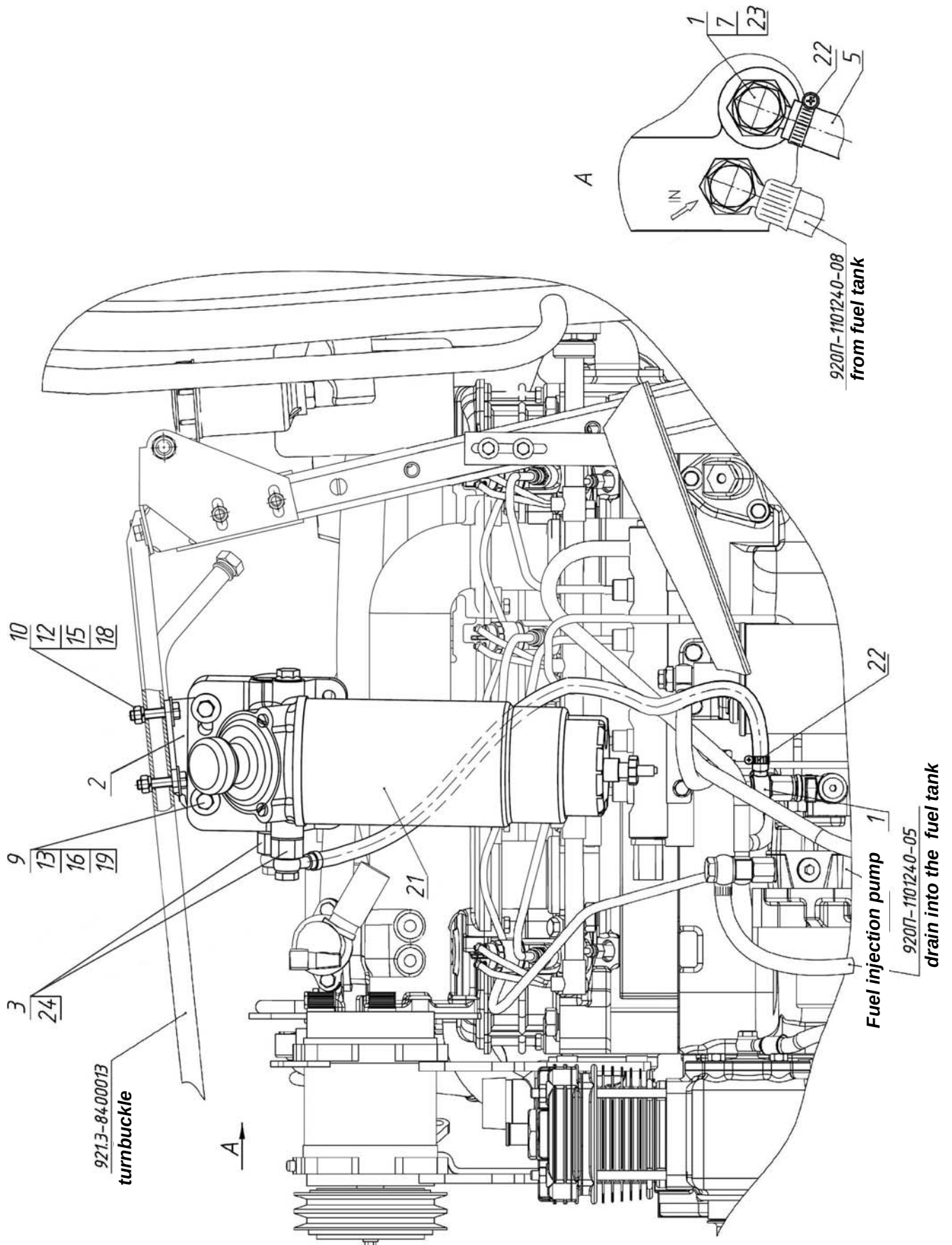


Fig.11.4. Fuel filter assembly

Group 11 Fuel feed system
Subgroup 1117 Fuel filter assembly

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
11.4		922-1117100-03		Fuel filter assembly
	1	F80-3407720	2	Oil pipeline
	2	922-1117112	1	Bracket
	3	1221-1101492	2	Fitting
	5	920-1101162-02	1	Pipe
	7	D18-051	1	Bolt
	9	M10-6gx65.88.35.019 GOST 7795-70	2	Bolt
	10	M8-6gx45.88.35.019 GOST 7795-70	2	Bolt
	12	M8-6H.6.019 GOST 5915-70	2	Nut
	13	M10-6H.6.019 GOST 5915-70	2	Nut
	15	S 8.01.019 GOST 6958-78	2	Washer
	16	S 10.01.019 GOST 6958-78	2	Washer
	18	8T OST 37.001.115-75	2	Washer
	19	10 OT OST 37.001.115-75	2	Washer
	21	PreLine 270 66 604 62 281	1	Prefilter
	22	"NORMA" TORRO 12-20/9-C6W	2	Clamp
	23	RM14	2	Washer
	24	RM3/8	2	Washer

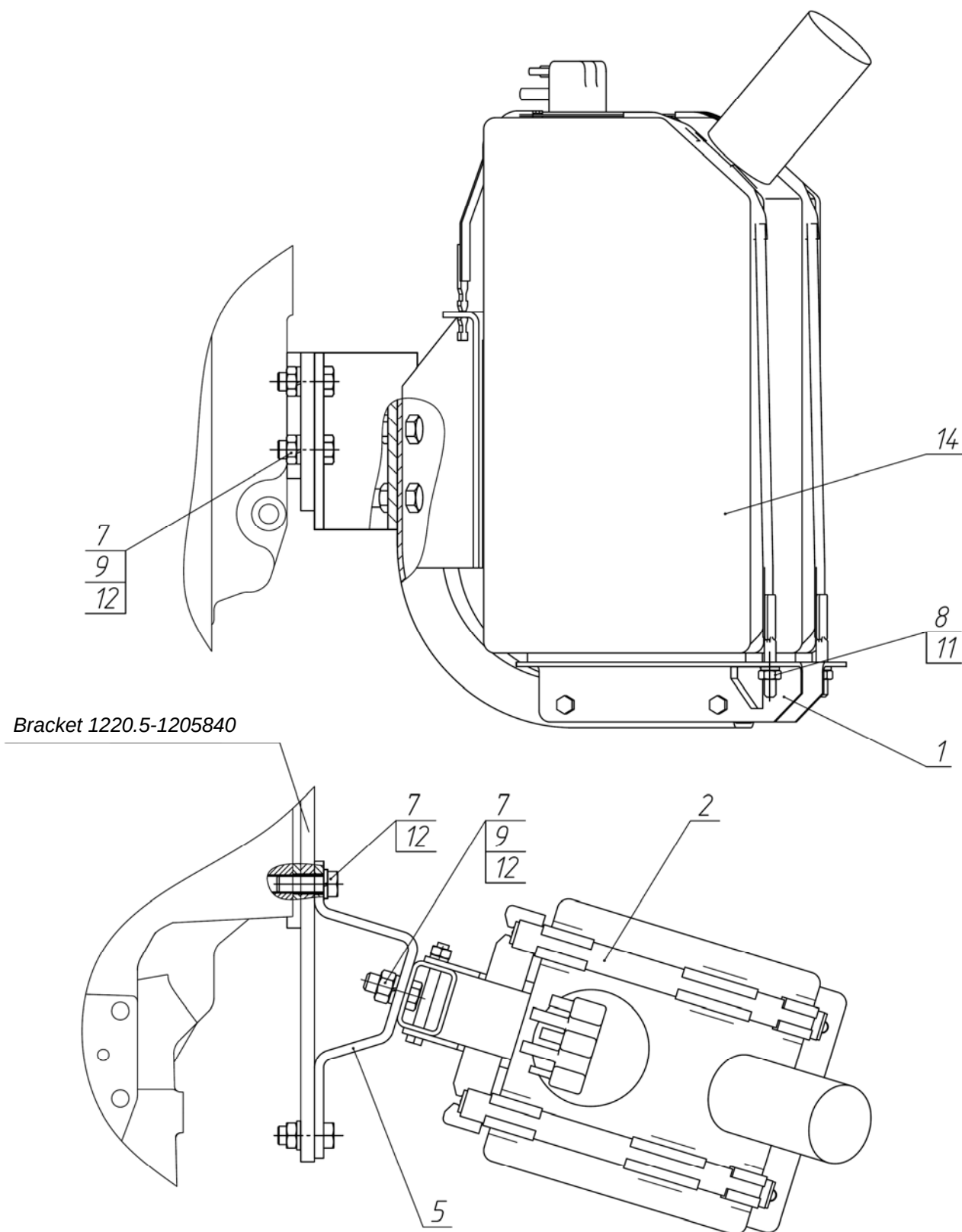


Fig. 12.1. SCR-system tank assy (1220.5-1201010)

Group 12. Exhaust system
Subgroup 1201. SCR-system tank assy

Fig.No	Pos.No	Designation	Q-ty	Description
12.1		1220.5-1201010		SCR-system tank assy
	1	1220.5-1201015	1	Bracket
	2	2022.5-1101070	2	Clamp
	5	1220.5-1201011	1	Bracket
	7	M16-6gx50.88.35.019 GOST 7796-70	6	Bolt
	8	M10-6H.6.019 GOST 5915-70	2	Nut
	9	M16-6H.6.019 GOST 5915-70	4	Nut
	11	10 OT OST 37.001.115-75	2	Washer
	12	16 OT OST 37.001.115-75	6	Washer
	14	0452 B20 2L8-00	1	Urea tank with heating element

Bracket 1220.5-1205840

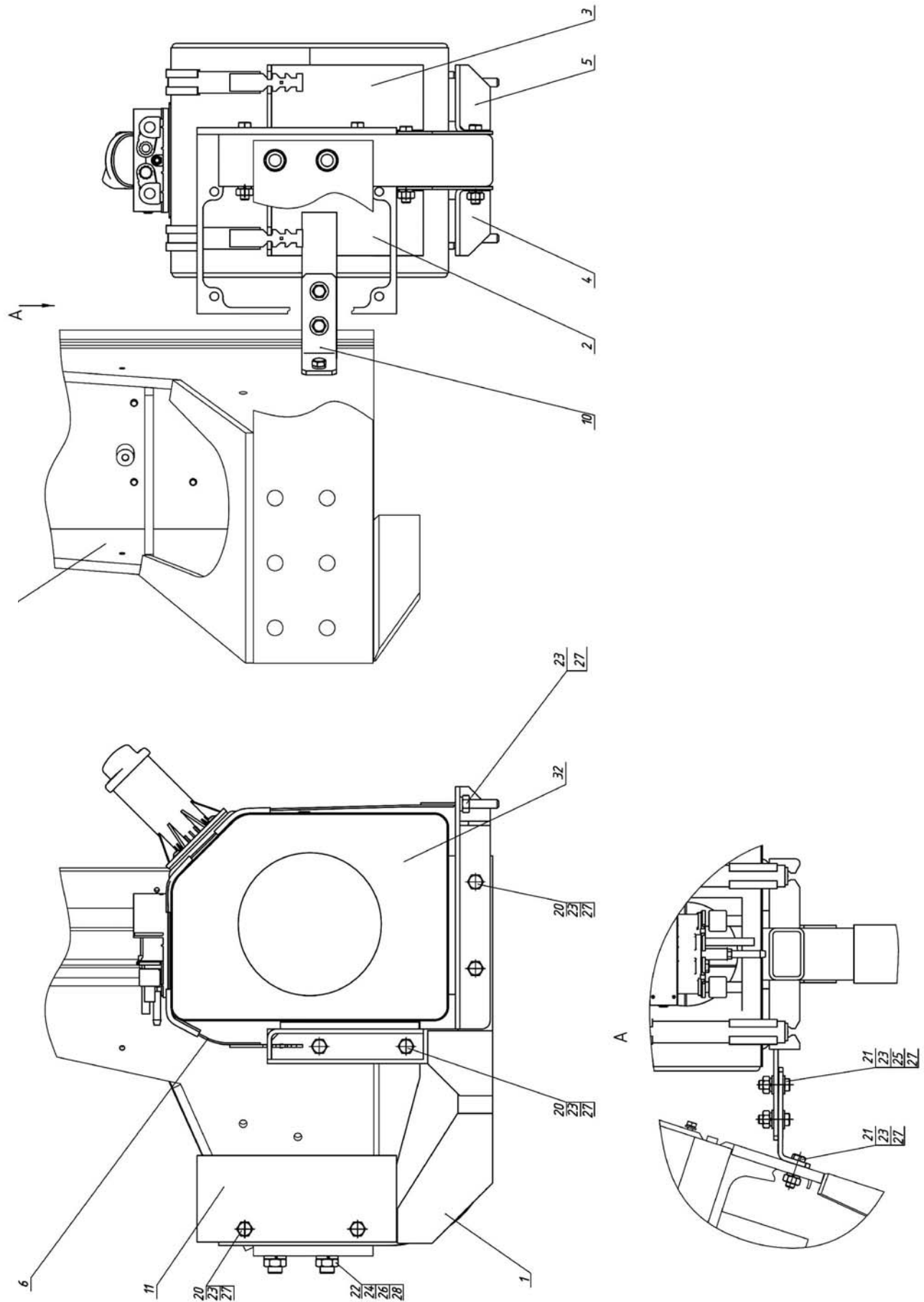


Fig. 12.2. SCR-system tank assy (1220.5R-1201010/-A)

Group 12. Exhaust system
Subgroup 1201. SCR-system tank assy

Fig.No	Pos.No	Designation	Q-ty	Description
12.2		1220.5R-1201010		SCR-system tank assy
		1220.5R-1201010-A ¹⁾		
	1	1220.5R-1201020	1	Bracket
	2	1220.5R-1201030	1	Right post
	3	1220.5R-1201040	1	Left post
	4	1220.5R-1201050	1	Right support
	5	1220.5R-1201060	1	Left support
	6	1220.5R-1201070	2	Clamp
	10	1220.5R-1201001	1	Bracket
	11	1220.5R-1201002	1	Bracket
	20	M10-6gx100.58.019 GOST 7795-70	6	Bolt
	21	M10-6gx30.88.35.019 GOST 7796-70	3	Bolt
	22	M16-6gx40.88.35.019 GOST 7796-70	2	Bolt
	23	M10-6H.6.019 GOST 5915-70	11	Nut
	24	M16-6H.6.019 GOST 5915-70	2	Nut
	25	S.10.01.019 GOST 11371-78	4	Washer
	26	S.16.01.019 GOST 11371-79	2	Washer
	27	10 OT OST 37.001.115-75	11	Washer
	28	16 OT OST 37.001.115-75	2	Washer
	32	15RKa245.2-1208010-100	1	Urea tank assy
		1220.5R-1201500 ¹⁾	1	AdBlue tank
¹⁾ Variant				

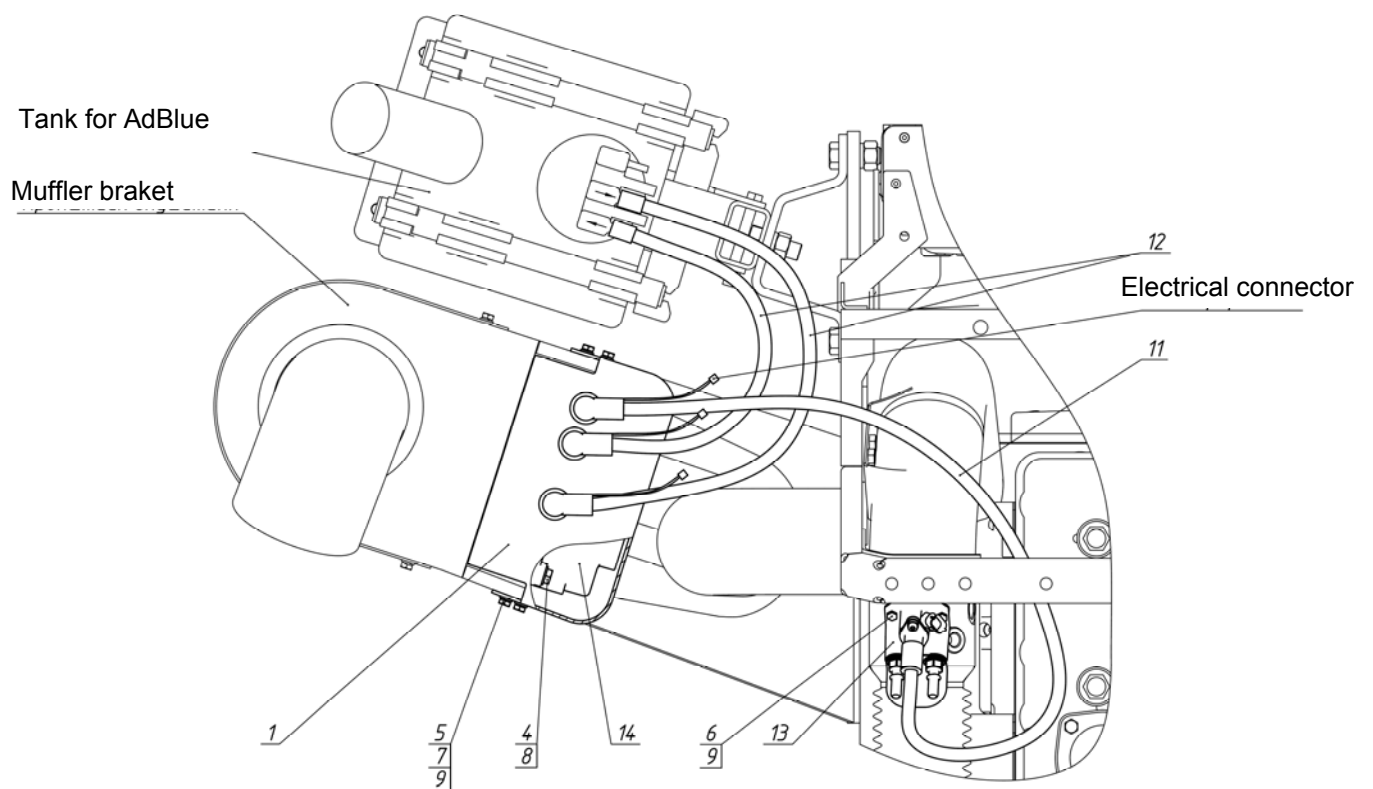


Fig. 12.3. Feed system (1220.5-1204010)

Group 12. Exhaust system
Subgroup 1204. Feed system

Fig.No	Pos.No	Designation	Q-ty	Description
12.3		1220.5-1204010	1	Feed system
	1	1220.5-1204020	1	Guard
	4	M8-6gx90.88.35.019 GOST 7795-70	3	Bolt
	5	M6-6gx12.88.35.019 GOST 7798-70	4	Bolt
	6	M6-6gx20.58.35.019 GOST 7798-70	3	Bolt
	7	S 6.01.019 GOST 6958-78	4	Washer
	8	S 8.01.019 GOST 6958-78	3	Washer
	9	6 T OST 37.001.115-75	7	Washer
	11	AdBlue 0452 C20 3RY-00	1	Pipeline
	12	AdBlue 0452 C20 3RX-00	2	Pipeline
	13	DNOX2.2 Dosing module 0452 D20 3B 010	1	Dosing module
	14	DNOX2.2 Supply module 0449 Z98 771-00	1	Supply module

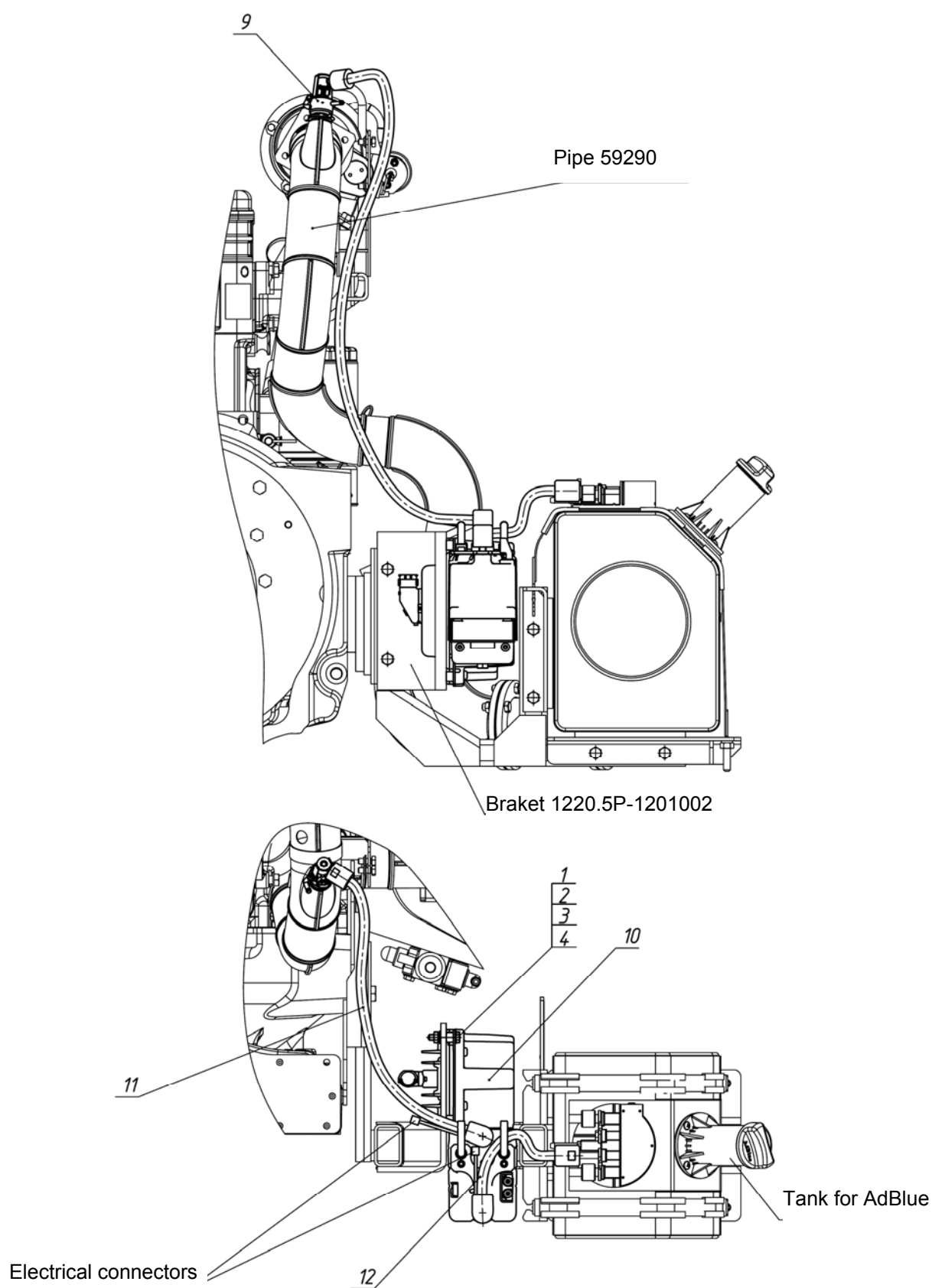


Fig. 12.4. Feed system (1220.5R-1204010)

Group 12. Exhaust system
Subgroup 1204. Feed system

Fig.No	Pos.No	Designation	Q-ty	Description
12.4		1220.5R-1204010	1	Feed system
	1	M8-6gx40.88.35.019 GOST 7796-70	4	Bolt
	2	M8-6H.6.019 GOST 5915-70	4	Nut
	3	S 8.01.019 GOST 6958-78	8	Washer
	4	8T OST 37.001.115-75	4	Washer
	9	98000197	1	Injector with fixing clamp
	10	98000371	1	Supply module with dosing control unit
	11	AdBlue H0 1304 100 013	1	Pipeline
	12	AdBlue H0 1904 100 003	1	Pipeline

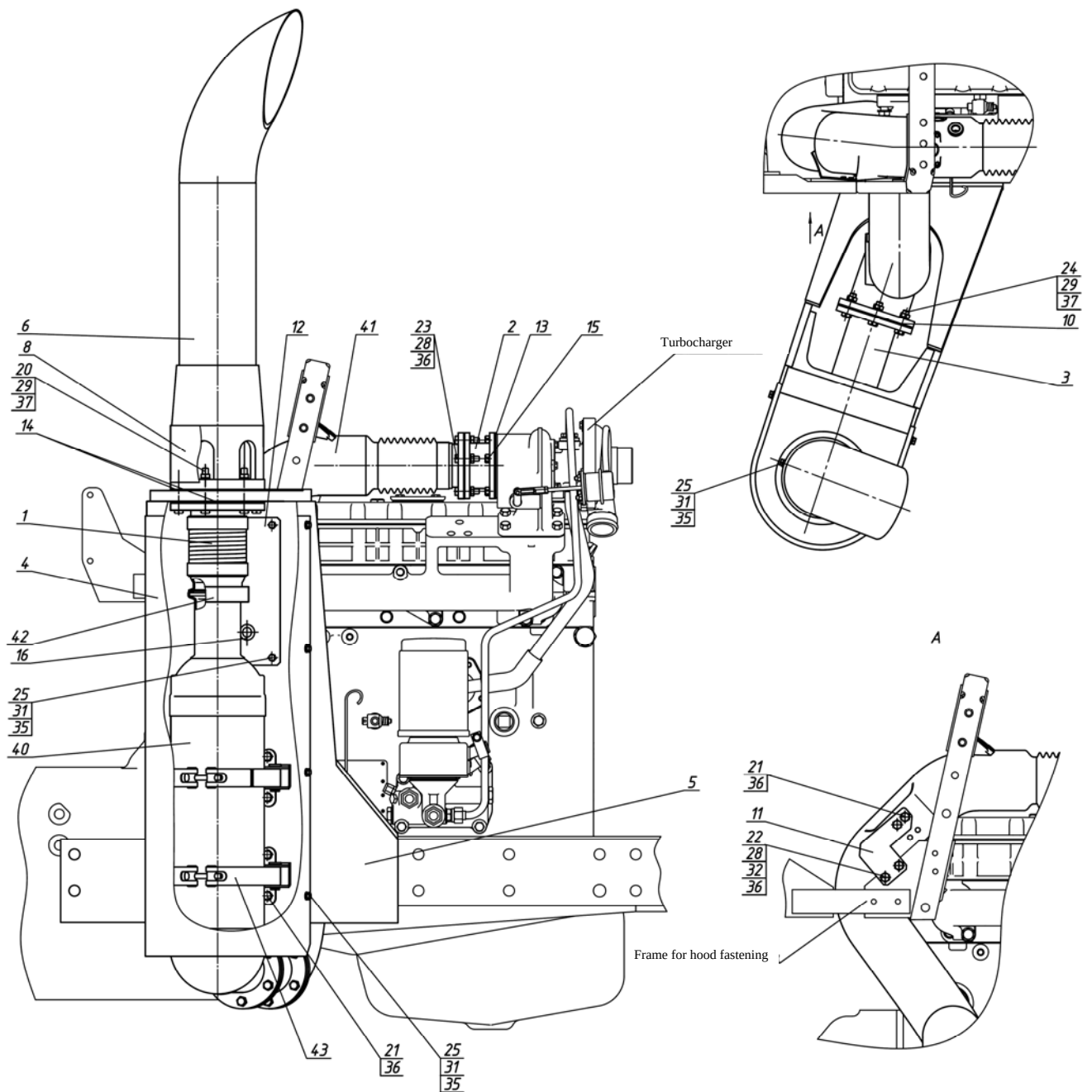


Fig. 12.5. Muffler assembly (1220.5-1205005)

Group 12. Exhaust system
Subgroup 1205. Muffler assembly

Fig.No	Pos.No	Designation	Q-ty	Description
12.5		1220.5-1205005		Muffler assembly
	1	1220.5-1205110	1	Compensator
	2	1220.5-1205120	1	Connecting pipe
	3	1220.5-1205130	1	Connecting pipe
	4	1220.5-1205700	1	Guard
	5	1220.5-1205835	1	Bracket assy
	6	1221.5-1205110	1	Muffler pipe
	8	2022.5-1205020	1	Guard
	10	1220.5-1205001	2	Gasket
	11	1220.5-1205009	1	Bracket
	12	1220.5-1205011	1	Cover
	13	921-1205004	2	Gasket
	14	2022.5-1205001	2	Gasket
	15	265-1205028	4	Bolt
	16	70-3723042-02	1	Bushing
	20	M10-6gx65.88.35.019 GOST 7795-70	6	Bolt
	21	M8-6gx20.88.35.019 GOST 7796-70	10	Bolt
	22	M8-6gx25.88.35.019 GOST 7796-70	2	Bolt
	23	M8-6gx35.88.35.019 GOST 7796-70	4	Bolt
	24	M10-6gx35.88.35.019 GOST 7796-70	12	Bolt
	25	M6-6gx12.88.35.019 GOST 7798-70	13	Bolt
	28	M8-6H.6.019 GOST 5915-70	6	Nut
	29	M10-6H.6.019 GOST 5915-70	18	Nut
	31	S 6.01.019 GOST 6958-78	13	Washer
	32	S 8.01 GOST 6958-78	2	Washer
	35	6T OST 37.001.115-75	13	Washer
	36	8T OST 37.001.115-75	16	Washer
	37	10 OT OST 37.001.115-75	18	Washer
	40		1	SCR catalyst (dimensions 5,66"x13")
	41		1	Exhaust manifold with standard DNOX mixer, with sylphon
	42		1	V-clamp
	43		2	SCR-catalyst fastening clamp

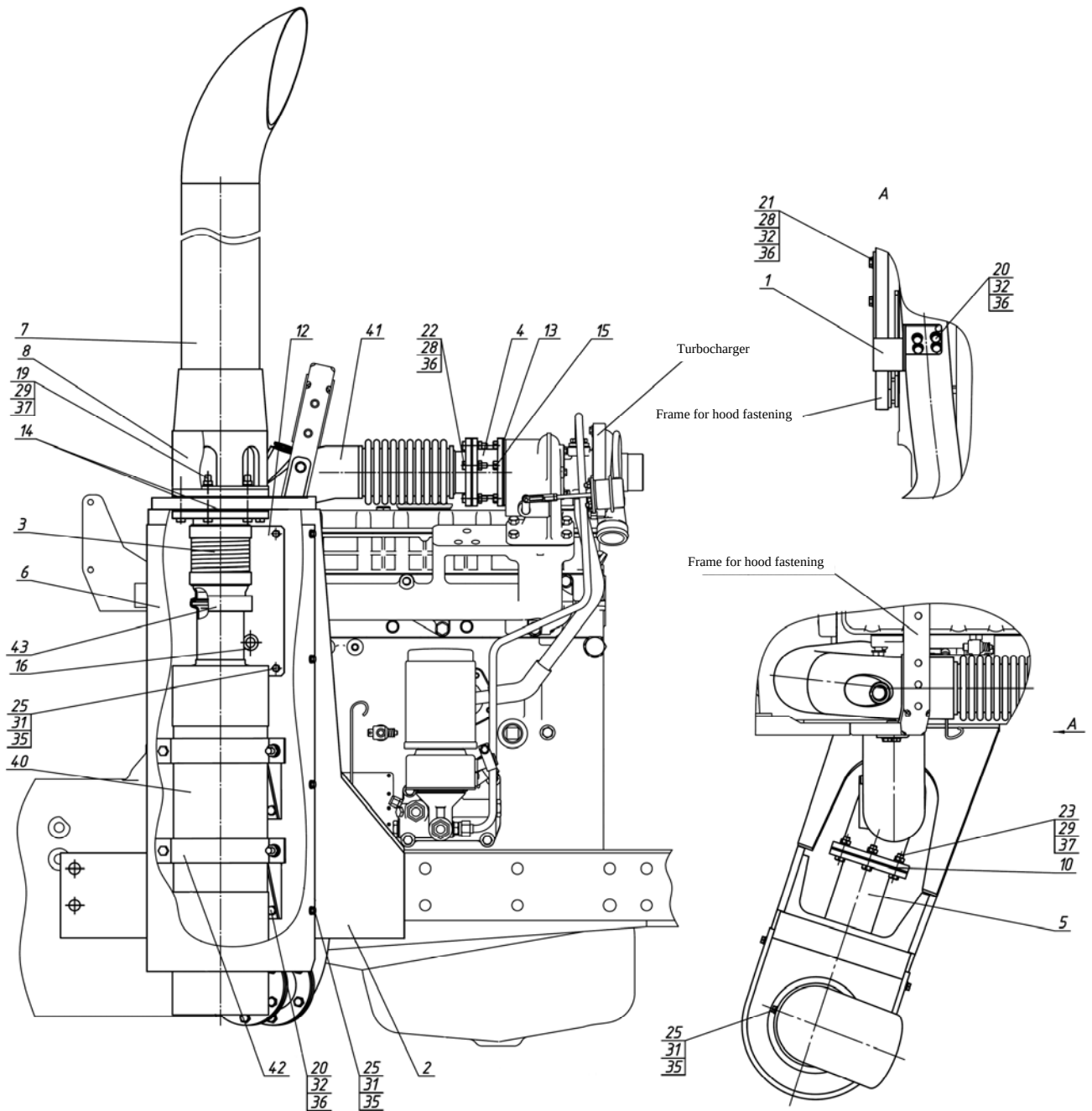


Fig. 12.6. Muffler assembly (1220.5R-1205005/-A)

Group 12. Exhaust system
Subgroup 1205. Muffler assembly

Fig.No	Pos.No	Designation	Q-ty	Description
12.6		1220.5R-1205005 ¹⁾ 1220.5R-1205005-A		Muffler assembly
	1	1220.5R-1205010	1	Bracket
	2	1220.5R-1205835	1	Bracket assy
	3	1220.5-1205110	1	Compensator
	4	1220.5-1205120	1	Connecting pipe
	5	1220.5-1205130	1	Connecting pipe
	6	1220.5-1205700	1	Guard
	7	1221.5-1205110	1	Muffler pipe
	8	2022.5-1205020	1	Guard
	10	1220.5-1205001	2	Gasket
	12	1220.5-1205011	1	Cover
	13	921-1205004	2	Gasket
	14	2022.5-1205001	2	Gasket
	15	265-1205028	4	Bolt
	16	70-3723042-02	1	Bushing
	19	M10-6gx65.88.35.019 GOST 7795-70	6	Bolt
	20	M8-6gx20.88.35.019 GOST 7796-70	12	Bolt
	21	M8-6gx25.88.35.019 GOST 7796-70	2	Bolt
	22	M8-6gx35.88.35.019 GOST 7796-70	4	Bolt
	23	M10-6gx35.88.35.019 GOST 7796-70	12	Bolt
	25	M6-6gx12.88.35.019 GOST 7798-70	13	Bolt
	28	M8-6H.6.019 GOST 5915-70	6	Nut
	29	M10-6H.6.019 GOST 5915-70	18	Nut
	31	S 6.01.019 GOST 6958-78	13	Washer
	32	S 8.01 GOST 6958-78	16	Washer
	35	6 T OST 37.001.115-75	13	Washer
	36	8T OST 37.001.115-75	18	Washer
	37	10 OT OST 37.001.115-75	18	Washer
	40	RKa245.2-1206010	1	Neutralizer
	41	59290	1	Pipe
	42	RKa245.2-1206100 ¹⁾ or	2	Neutralizer support bracket assembly
		1220.5R-1205020	2	Neutralizer bracket
		1220.5R-1205023-01	2	Clamp
		M10-6gx45.88.35.019 GOST 7795-70	4	Bolt
		M10-6H.6.019 GOST 5915-70	4	Nut
		S 10.01.019 GOST 6958-78	4	Washer
		10 OT OST 37.001.115-75	4	Washer
	43	44805	1	Connecting clamp
¹⁾ Variant				

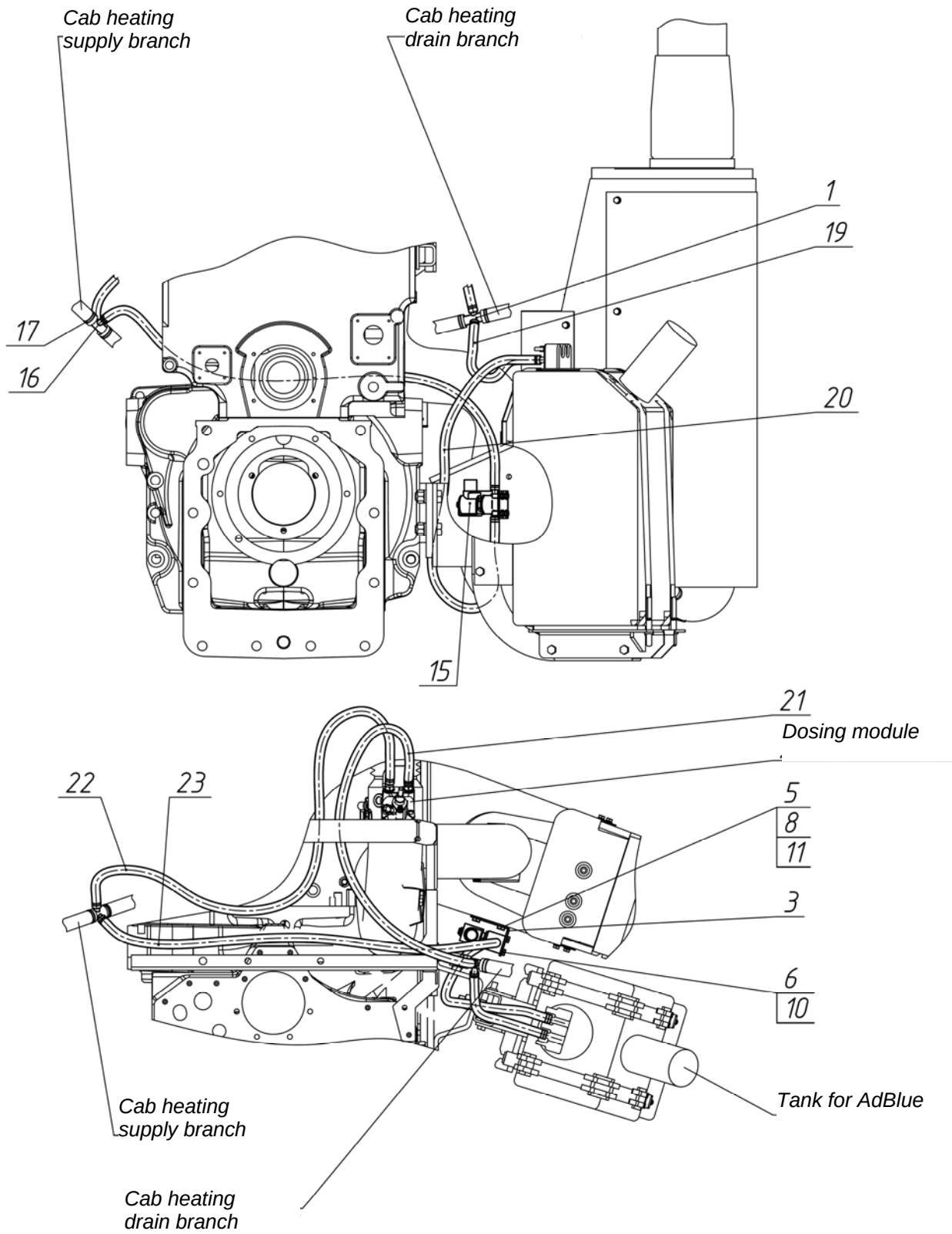


Fig. 12.7. Tank heating system (1220.5-1209010)

Group 12. Exhaust system
Subgroup 1209. Tank heating system

Fig.No	Pos.No	Designation	Q-ty	Description
12.7		1220.5-1209010	1	Tank heating system
	1	3522.5-1209020	2	Angle piece
	3	1220.5-1209011	1	Bracket
	5	M8-6gx25.88.35.019 GOST 7796-70	2	Bolt
	6	M6-6gx12.88.35.019 GOST 7798-70	4	Bolt
	8	M8-6H.6.019 GOST 5915-70	2	Nut
	10	6 T OST 37.001.115-75	4	Washer
	11	8T OST 37.001.115-75	2	Washer
	15	0452 C20 3CL-00	1	Tank heating valve
	16	NORMA TORRO 12-22/971 or "NORMA" TORRO 12-20/9-C6W	10	Clamp with worm thread 12-22
	17	NORMA TORRO 16-27/971 or "NORMA" TORRO 16-25/9-C6W	4	Clamp with worm thread 16-27
	19	10x18,5-1,6 GOST 10362-76	1	Hose (300 mm)
	20	10x18,5-1,6 GOST 10362-76	1	Hose (700 mm)
	21	10x18,5-1,6 GOST 10362-76	1	Hose (1200 mm)
	22	10x18,5-1,6 GOST 10362-76	1	Hose (1500 mm)
	23	10x18,5-1,6 GOST 10362-76	1	Hose (1500 mm)

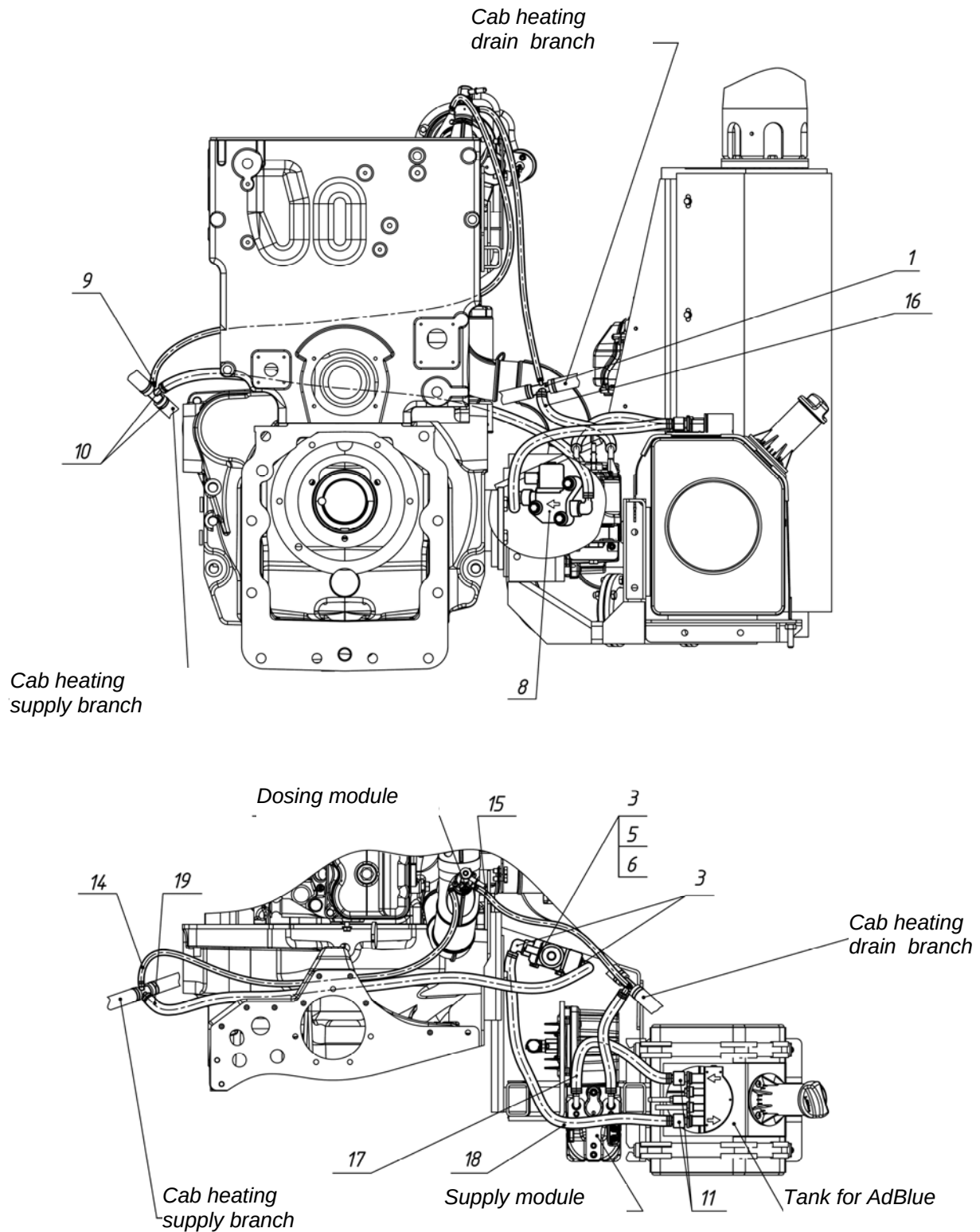


Fig. 12.8. Tank heating system (1220.5R-1209010)

Group 12. Exhaust system
Subgroup 1209. Tank heating system

Fig.No	Pos.No	Designation	Q-ty	Description
12.8		1220.5R-1209010	1	Tank heating system
	1	1220.5R-1209020	2	Angle piece
	3	M8-6gx65.88.35.019 GOST 7796-70	3	Bolt
	5	8T OST 37.001.115-75	3	Washer
	6	S.8.01.019 GOST 11371-78	3	Washer
	8	4460913070	1	Cooling liquid valve
	9	NORMA TORRO 12-22/971 or "NORMA" TORRO 12-20/9-C6W	4	Clamp with worm thread 12-22
	10	NORMA TORRO 16-27/971 or "NORMA" TORRO 16-25/9-C6W	12	Clamp with worm thread 16-27
	11	0702 8004 008	2	Cooling liquid fitting for intake module
	12	0702 8017 012	2	Cooling liquid fitting for valve
	14	6x14-1,6 GOST 10362-76	1	Hose (1000 mm)
	15	6x14-1,6 GOST 10362-76	1	Hose (750 mm)
	16	10x18,5-1,6 GOST 10362-76	1	Hose (400 mm)
	17	10x18,5-1,6 GOST 10362-76	1	Hose (400 mm)
	18	10x18,5-1,6 GOST 10362-76	1	Hose (600 mm)
	19	10x18,5-1,6 GOST 10362-76	1	Hose (1450 mm)

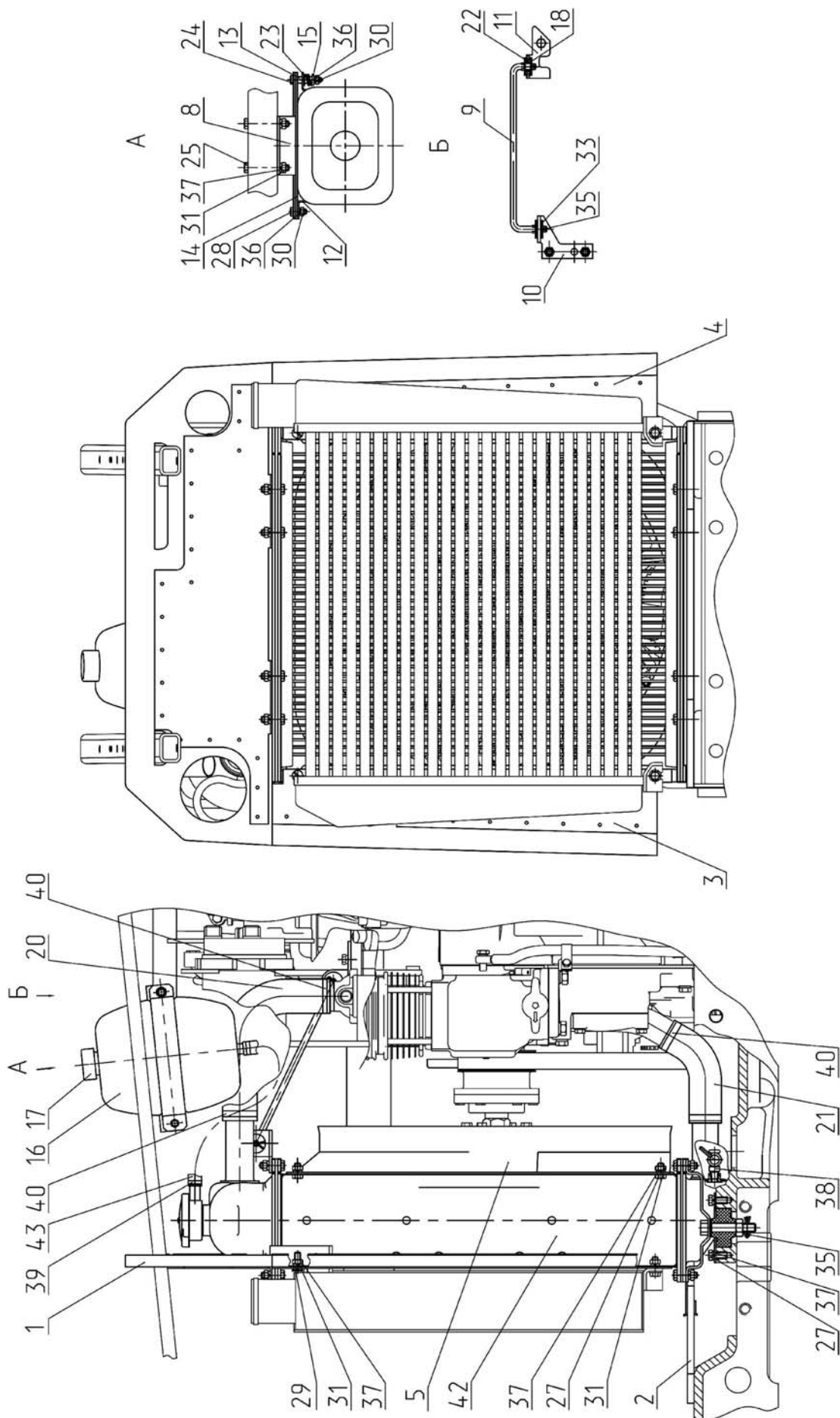
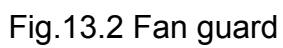


Fig. 13.1. Cooling unit

**Group 13 Cooling system
Subgroup 1301 Cooling unit**

Fig.No	Pos.No	Assembly unit or part number	Q-ty	Description
13.1		952.4-1301009	1	Cooling unit
	1	952.4-1301310	1	Sealant
	2	952.4-1301320	1	Sealant
	3	952.4-1301330	1	Sealant
	4	952.4-1301330-01	1	Sealant
	5	70-1309080	1	Fan guard
	8	952.4-1311001	1	Bracket
	9	1025-1302003-B	1	Brace
	10	1520-1302072	1	Bracket
	11	80-1302011	1	Bracket
	12	80-1311002	1	Clamp
	13	80-1311003	1	Bushing
	14	80-1311004	1	Plate
	15	80-1311006	1	Seat
	16	80P-1311010-A	1	Expansion tank
	17	80P-1311011	1	Plug
	18	85-1302071	2	Shock adsorber
	20	85-1303001	1	Hose
	21	85-1303010	1	Hose
	22	90-1302004	2	Pipe
	23	54.06.413	1	Spring
	24	M6-6gx40.88.35.019 GOST 7795-70	1	Bolt
	25	M8-6gx55.88.35.019 GOST 7795-70	2	Bolt
	27	M8-6gx16.88.35.019 GOST 7796-70	8	Bolt
	28	M6-6gx16.88.35.019 GOST 7798-70	1	Bolt
	29	V.M8-6gx25.58.019 GOST 17475-80	2	Screw
	30	M6-6H.6.019 GOST 5915-70	2	Nut
	31	M8-6H.6.019 GOST 5915-70	8	Nut
	33	S 8.01.019 GOST 6958-78	4	Washer
	35	3,2x18.019 GOST 397-79	4	Split pin
	36	6T OST 37.001.115-75	2	Washer
	37	8T OST 37.001.115-75	12	Washer
	38	PS7-O	1	Valve
	39	NORMA TORRO 16-27/971 or "NORMA" TORRO 16-25/9-C6W	2	Clamp with worm thread 16-27
	40	NORMA TORRO 35-50/971 or "NORMA" TORRO 32-50/9-C6W	4	Clamp with worm thread 35-50
	42	1025.13.01.010 B	1	Water radiator
	43	14x23-1,6 GOST 10362-76	1	Hose (400 mm)



Group 13 Cooling system
Subgroup 1309 Fan guard

Fig.No	Pos.No	Designation	Q-ty	Description
13.2		1025-1309300	1	Fan guard
	1	1025-1309070	1	Bracket
	2	1025-1309075	2	Bracket
	3	1025-1309075-01	1	Bracket
	4	1025-1309075-02	1	Bracket
	5	1025-1309080	1	Bracket
	6	1025-1309080-01	1	Bracket
	7	1025-1309085	1	Bracket
	8	1025-1309090	1	Bracket
	10	EVIT.11.10.22.000.000	1	Left guard
	11	EVIT.11.10.23.000.000	1	Right guard
	13	M8-6gx20.88.35.019 GOST 7796-70	1	Bolt
	14	M6-6gx14.88.35.019 GOST 7798-70	9	Bolt
	15	M8-6H.6.019 GOST 5915-70	1	Nut
	16	A37.01.022	9	Washer
	17	S 8.01.019 GOST 6958-78	1	Washer

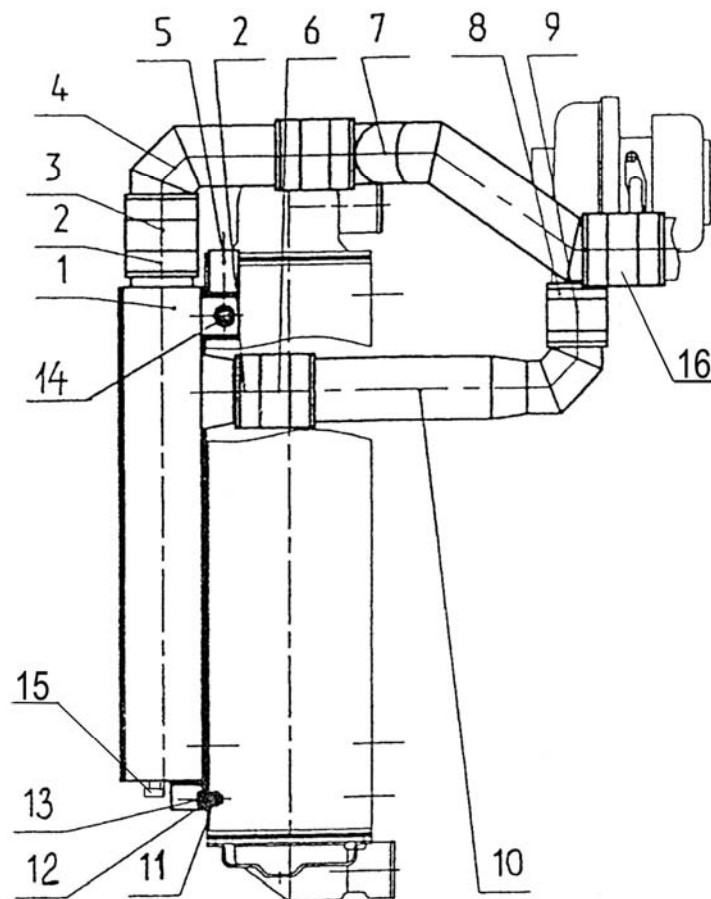


Fig.13.3 Cooler assembly

Group 13. Cooling system
Subgroup 1317. Cooler assembly

Fig.No	Pos.No	Designation	Q-ty	Description
13.3		1025-1317010		Cooler assembly
	1	1025-1317100	1	Charge air cooler
	2	NORMA TORRO 60-80/12-C7 W1 or NORMA TORRO 60-80/1271	8	Clamp with worm thread 60-80/12
	3	"Sico Rubena" 270 003 151-A or PR001-60-80-PES or 978059079 or 60-80-S	2	Blue silicone connecting pipe 60x80
	4	1025P-1317600	1	Air duct
	5	1025-1317735	2	Bracket
	6	"Sico Rubena" 270 003 151-V or PR001-60-80-MA or 978060082 or 60-80-K	1	Red silicone connecting pipe 60x80
	7	1025-1317610	1	Air duct
	8	NORMA TORRO 50-70/12-C7 W1 or NORMA TORRO 50-70/1271	2	Clamp with worm thread 50-70/12
	9	"Sico Rubena" 270 003 194-V or PR001-50-100-MA or 50-100-K	1	Red silicone connecting pipe 50x100
	10	1025P-1317620	1	Air duct
	11	M8-6H.6.019 GOST 5915-70	2	Nut
	12	S 8.01.019 GOST 6958-78	4	Washer
	13	8T OST 37.001.115-75	4	Washer
	14	M8-6gx25.88.35.019 GOST 7796-70	4	Bolt
	15	KG 1/4".A12.019	2	Plug
	16	PR001-63-80-PES or "Sico Rubena" 270 003 191-A or 63-80-S	1	Blue silicone connecting pipe 63x80

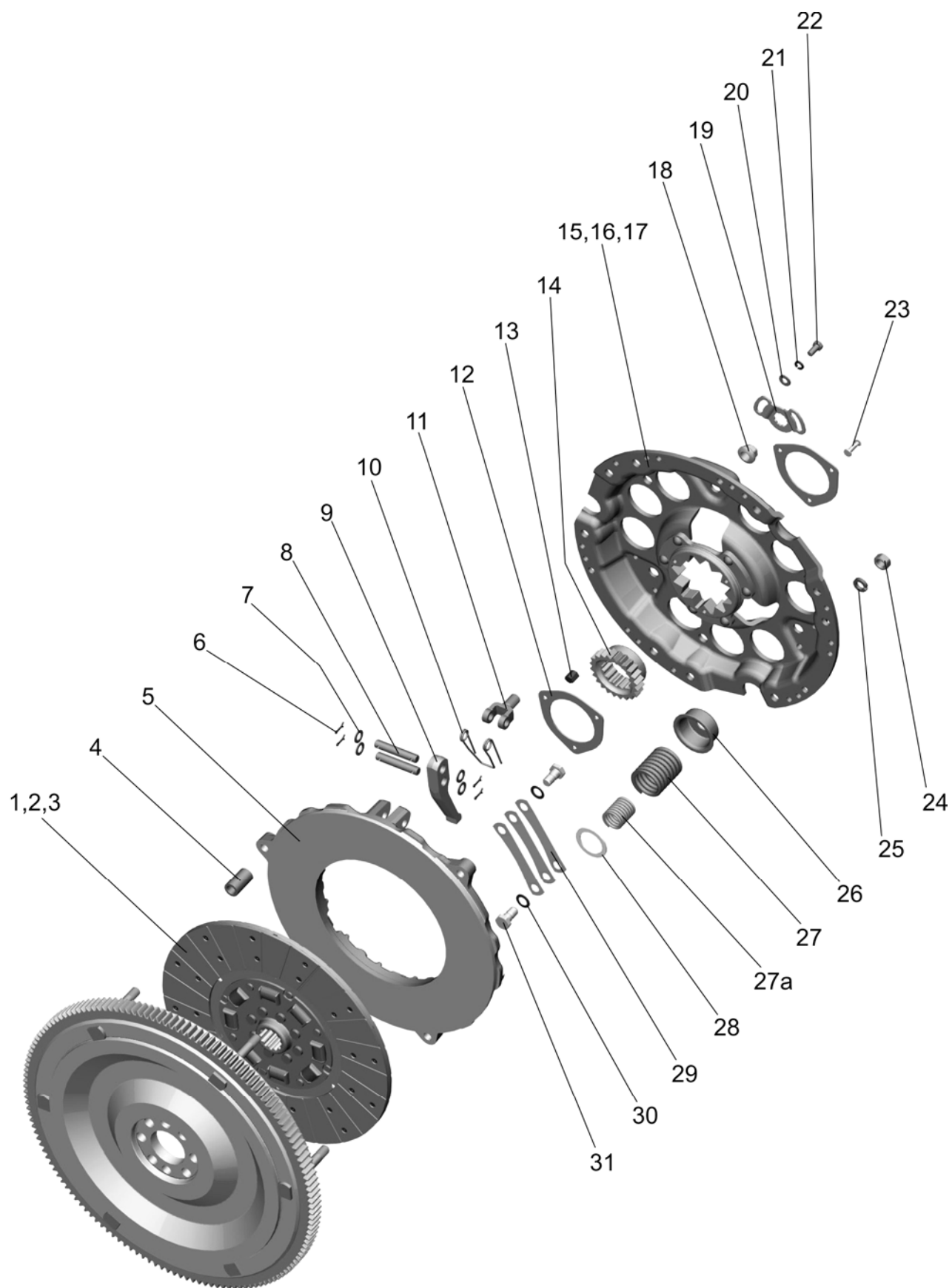


Fig.16.1. Clutch assembly 240-1005009-03

Group 16. Clutch
Subgroup 1601. Clutch assembly

Fig.	Pos.	Designation	Q-ty		Description
			240-1005009-03	240-1005009-06 ¹⁾	
16.1, 16.1a		80-1601090-A	1	-	Clutch plate (5-15, 18-31)
		80-1601090	-	1	Clutch plate (5-15, 18-27, 28-31)
		85-1601120-B	1	1	Cover plate (12-15, 23)
	1	85-1601130-01 or 85-1601130-02	1	-	Driven plate (includes 2, 3)
	1a	80-1601130-A	-	1	Driven plate (includes 2a, 3a)
	2	70-1601138-01 or 70-1601138-02	2	-	Friction lining (included into 1)
	2a	566528	-	12	Segment GBV 156400 (7650861d) (included into 1a)
	3	2-4x8.32 GOST 12642-80	24	-	Rivet (included into 1)
	3a	566529	-	12	Rivet TT2 7050914 (included into 1a)
	4	70-1601074	6	6	Bushing
	5	80-1601093	1	1	Pressure plate
	6	3,2x18.019 GOST 397-79	12	12	Split pin
	7	85-1601108	12	12	Washer
	8	85-1601096	6	6	Pin
	9	85-1601094	3	3	Release lever
	10	85-1601083	3	3	Spring
	11	85-1601097	3	3	Fork
	12	70-1601062	2	2	Washer
	13	70-1601091	12	12	Damper
	14	70-1601053	1	1	Bushing
	15	85-1601125-B	1	1	Cover plate (assembled with 16 and 17)
	16	70-1601051	1	1	Hub (included into 15)
	17	8x22.01 GOST 10299-80	6	6	Rivet (included into 15)
	18	85-1601109-A	3	3	Adjusting nut
	19	85-1601086	3	3	Lock washer
	20	S 8.01.019 GOST 11371-78	6	6	Washer
	21	8T OST 37.001.115-75	6	6	Washer
	22	M8-6gx16.88.35.019 GOST 7796-70	6	6	Bolt
	23	6x30.01 GOST 10299-80	3	3	Rivet
	24	M12x1,25-6H.6.019 GOST 5915-70	9	9	Nut
	25	12 OT OST 37.001.115-75	9	9	Washer
	26	85-1601072-B	9	9	Body
	27	85-1601115	9	9	Spring
	27a	77.55.121-1	6	-	Spring
	28	85-1601118-B	9	9	Insulating washer
	29	85-1601124	9	9	Plate
	30	85-1601121	6	6	Washer
	31	85-1601126	6	6	Bolt
¹⁾ Optional					

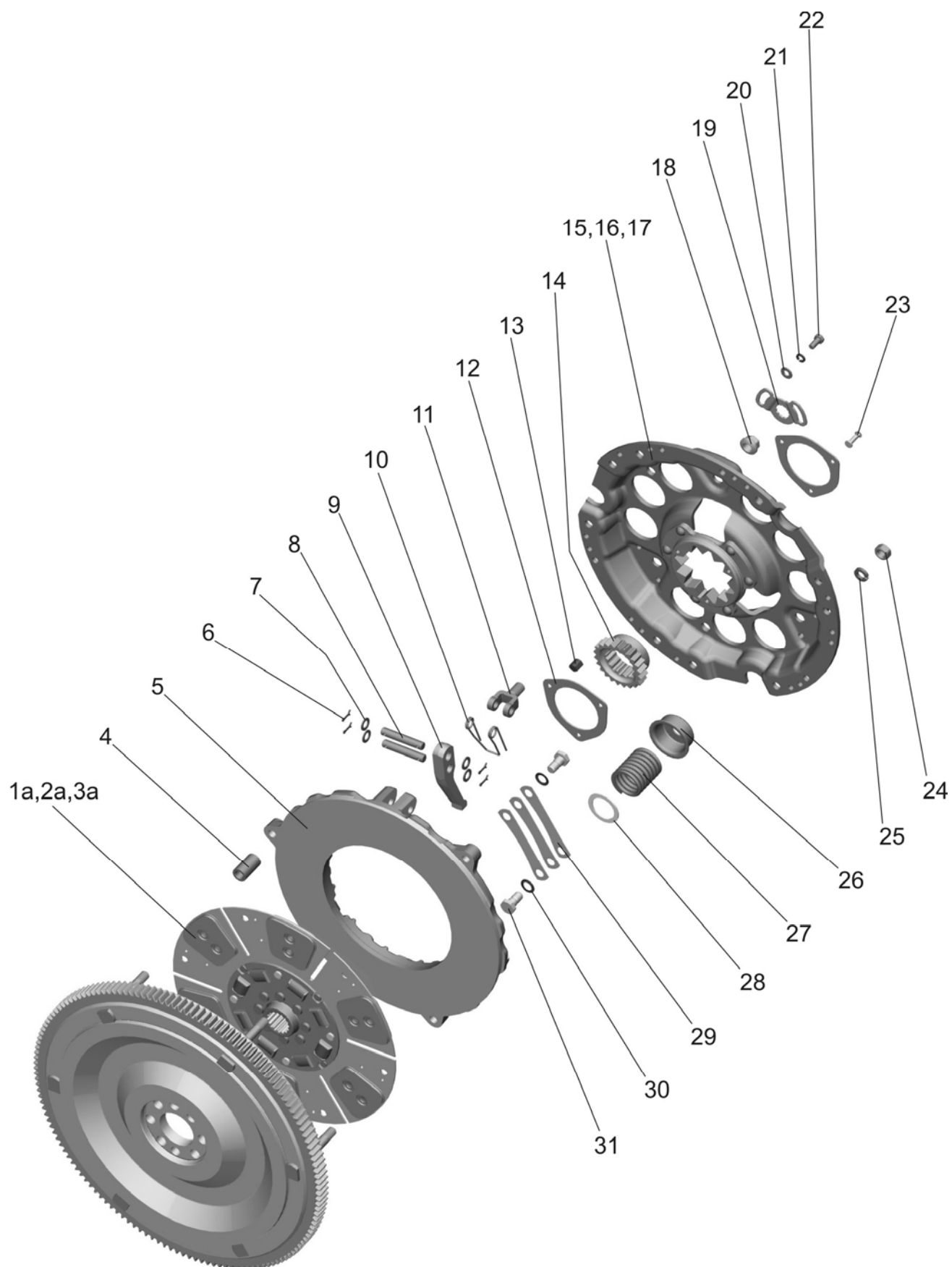


Fig.16.1a. Clutch assembly 240-1005009-06

Group 16. Clutch
Subgroup 1601. Clutch assembly

Fig.	Pos.	Designation	Q-ty		Description
			240-1005009-03	240-1005009-06 ¹⁾	
16.1, 16.1a		80-1601090-A	1	-	Clutch plate (5-15, 18-31)
		80-1601090	-	1	Clutch plate (5-15, 18-27, 28-31)
		85-1601120-B	1	1	Cover plate (12-15, 23)
	1	85-1601130-01 or 85-1601130-02	1	-	Driven plate (includes 2, 3)
	1a	80-1601130-A	-	1	Driven plate (includes 2a, 3a)
	2	70-1601138-01 or 70-1601138-02	2	-	Friction lining (included into 1)
	2a	566528	-	12	Segment GBV 156400 (7650861d) (included into 1a)
	3	2-4x8.32 GOST 12642-80	24	-	Rivet (included into 1)
	3a	566529	-	12	Rivet TT2 7050914 (included into 1a)
	4	70-1601074	6	6	Bushing
	5	80-1601093	1	1	Pressure plate
	6	3,2x18.019 GOST 397-79	12	12	Split pin
	7	85-1601108	12	12	Washer
	8	85-1601096	6	6	Pin
	9	85-1601094	3	3	Release lever
	10	85-1601083	3	3	Spring
	11	85-1601097	3	3	Fork
	12	70-1601062	2	2	Washer
	13	70-1601091	12	12	Damper
	14	70-1601053	1	1	Bushing
	15	85-1601125-B	1	1	Cover plate (assembled with 16 and 17)
	16	70-1601051	1	1	Hub (included into 15)
	17	8x22.01 GOST 10299-80	6	6	Rivet (included into 15)
	18	85-1601109-A	3	3	Adjusting nut
	19	85-1601086	3	3	Lock washer
	20	S 8.01.019 GOST 11371-78	6	6	Washer
	21	8T OST 37.001.115-75	6	6	Washer
	22	M8-6gx16.88.35.019 GOST 7796-70	6	6	Bolt
	23	6x30.01 GOST 10299-80	3	3	Rivet
	24	M12x1,25-6H.6.019 GOST 5915-70	9	9	Nut
	25	12 OT OST 37.001.115-75	9	9	Washer
	26	85-1601072-B	9	9	Body
	27	85-1601115	9	9	Spring
	27a	77.55.121-1	6	-	Spring
	28	85-1601118-B	9	9	Insulating washer
	29	85-1601124	9	9	Plate
	30	85-1601121	6	6	Washer
	31	85-1601126	6	6	Bolt
¹⁾ Optional					

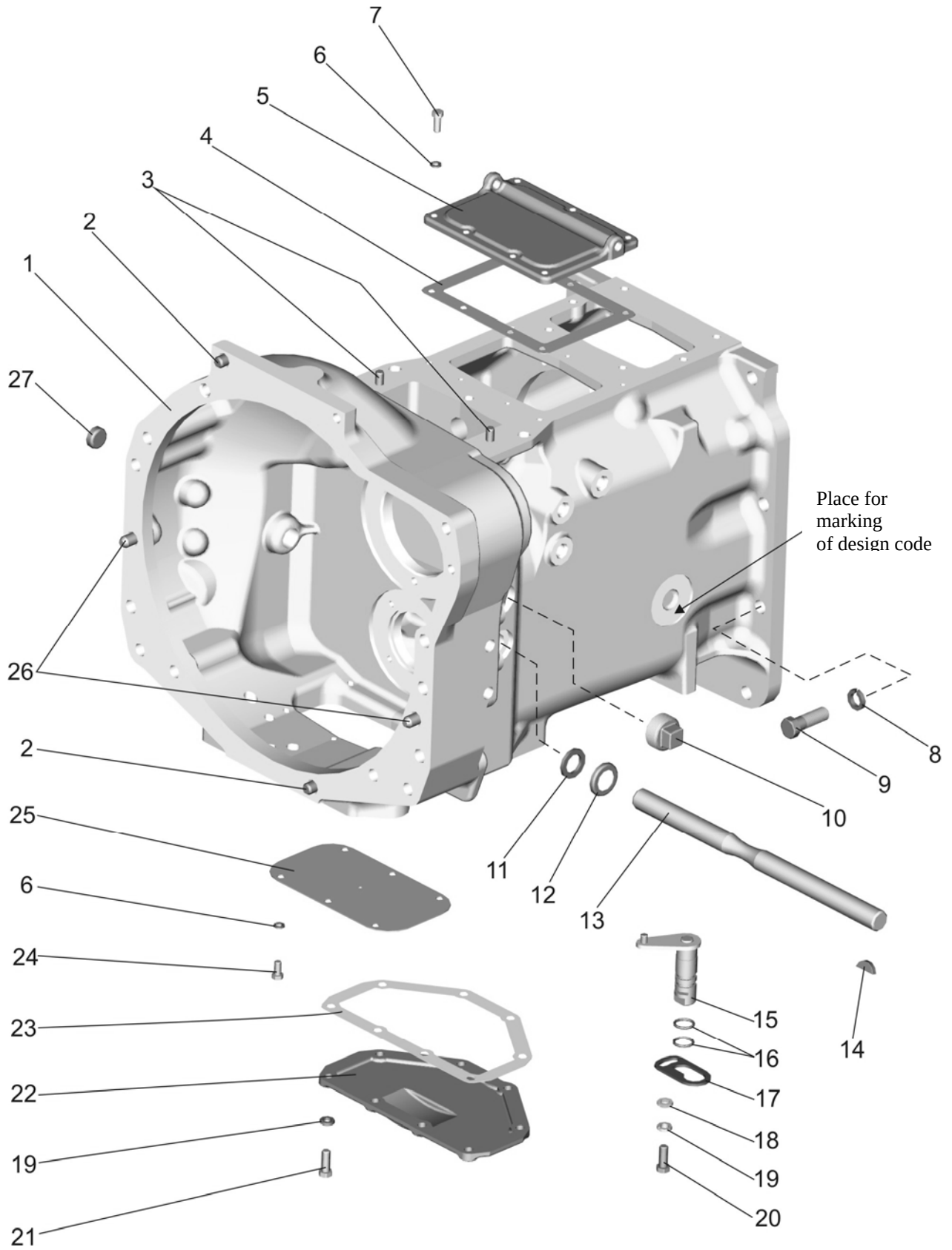


Fig.16.2. Clutch housing

Group 16. Clutch
Subgroup 1601. Clutch housing

Fig.	Pos.	Designation	Q-ty	Description	Note
16.2		74-1600010-02	1 ¹⁾	Clutch housing ($n_{eng}=1800^{rpm}$, synchro-gear unit) Fig.16.2: 1, 3-7, 10-25; Fig.16.3: 3-8; Fig.16.4: 1-5, 6a, 7-10, 11a, 12-26, 27a, 28a, 29a,30a, 31a, 32; Fig.16.5a: 1a, 2a, 3-8; Fig.17.2: 1-7, 8, 9.	Design code 12
		74-1600010-03	1	Clutch housing ($n_{eng}=1800^{rpm}$, synchro-speed-increase unit) Fig.16.2: 1, 3-7, 10-25; Fig.16.3: 3-8; Fig.16.4: 1-5, 6a, 7-10, 11a, 12-26, 27a, 28a, 29a,30a, 31a, 32; Fig.16.5a: 1a, 2a, 3-8. Fig.17.2: 1-7, 8a, 9.	Design code 13
		50-1600010-06	1 ¹⁾	Clutch housing ($n_{eng}=1800^{rpm}$, mechanical gear unit) Fig.16.2: 1, 3-7, 10-25; Fig.16.3: 3-8; Fig.16.4: 1-5, 6a, 7-10, 11a, 12-26, 27a, 28a, 29a,30a, 31a, 32; Fig.16.5a: 1a, 2a, 3-8; Fig.17.1: 1-7, 8, 9, 10.	Design code 06
		50-1600010-08	1 ¹⁾	Clutch housing ($n_{eng}=1800^{rpm}$, mechanical speed-increase unit) Fig.16.2: 1, 3-7, 10-25; Fig.16.3: 3-8; Fig.16.4: 1-5, 6a, 7-10, 11a, 12-26, 27a, 28a, 29a,30a, 31a, 32; Fig.16.5a: 1a, 2a, 3-8; Fig.17.1: 1-7, 8a, 9, 10.	Design code 08
		R70-1600010-02	1 ¹⁾	Clutch housing ($n_{eng}=1800^{rpm}$, Reverse-gear unit) Fig.16.2: 1, 3-7, 10-25; Fig.16.3: 3-8; Fig.16.4: 1-5, 6a, 7-10, 11a, 12-26, 27a, 28a, 29a,30a, 31a, 32; Fig.16.5a: 1a, 2a, 3-8; Fig.17.4: 1-10, 17-19, 25-27.	Design code 22
¹⁾ Optional					

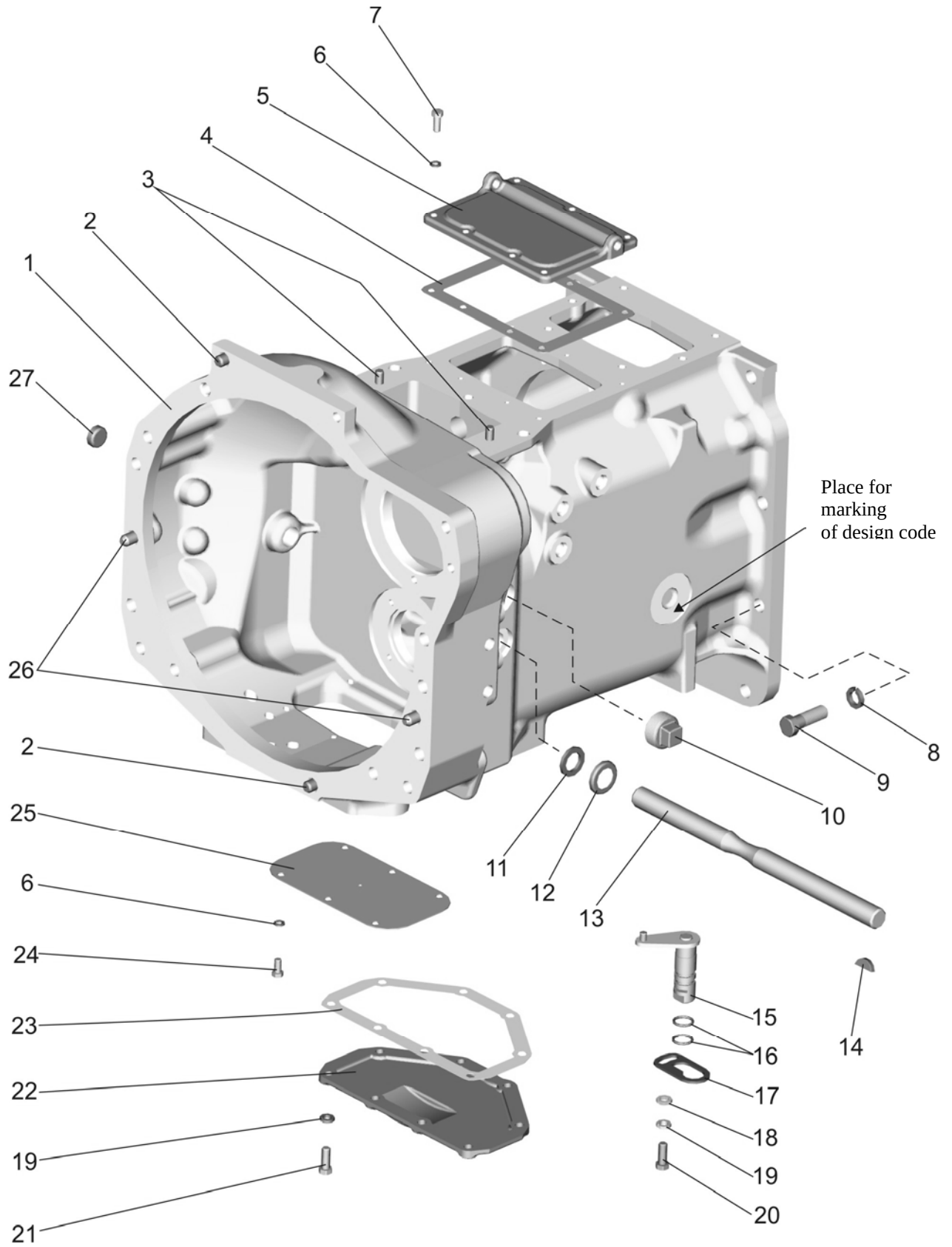


Fig.16.2. Clutch housing

Group 16. Clutch
Subgroup 1601. Clutch housing

Fig.	Pos.	Designation	Q-ty	Description
16.2	1	70-1601015	1	Clutch housing
		70-1601015-03	1 ¹⁾	Clutch housing
		70-1601015-04	1 ²⁾	Clutch housing
	2	D01-015	2	Dowel pin
	3	SHTSK 10x25	2	Dowel
	4	50-1601345	1	Gasket
	5	70-1601344	1	Cover
	6	8T OST 37.001.115-75	11	Washer
	7	M8-6gx20.88.35.019 GOST 7796-70	7	Bolt
	8	16 OT OST 37.001.115-75	10	Washer
	9	M16-6gx50.88.35.019 GOST 7796-70	10	Bolt
	10	PK KG 1¼"	1	Plug
	11	80-4608024	1	Ring
	12	36-1601016	1	Housing of dust reflector
	13	50-1601215	1	Shaft
	14	SSH-611	1	Key 6x11
	15	70-1601140	1	Shaft
	16	020-025-30-1-4 GOST 18829-73/GOST 9833-73	2	Ring
	17	80-1601099	1	Plate
	18	S 10.01.019 GOST 11371-78	1	Washer
	19	10 OT OST 37.001.115-75	9	Washer
	20	M10-6gx20.88.35.019 GOST 7796-70	1	Bolt
	21	M10-6gx25.88.35.019 GOST 7796-70	8	Bolt
	22	50-1601315	1	Cover
	23	70-1601314	2	Gasket
	24	M8-6gx16.88.35.019 GOST 7796-70	4	Bolt
	25	50-1601341	1	Cover
	26	50-1601352	2	Dowel pin
	27	50-1601022	1	Blind plug
¹⁾ optional (except modifications with reverse gear unit)				
²⁾ for modifications with reverse gear unit				

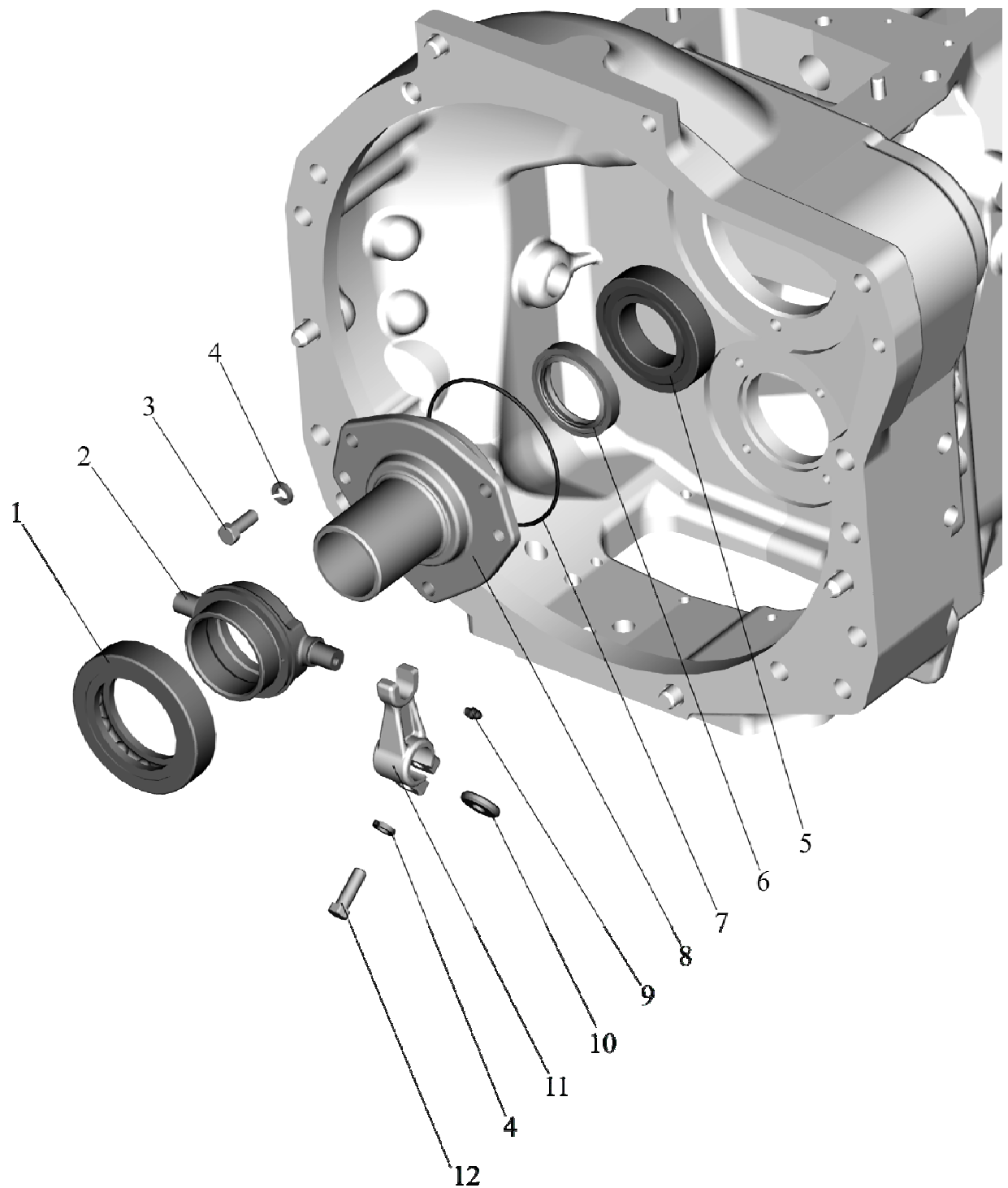


Fig.16.3. Clutch housing. Release yoke.

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

Fig.	Pos.	Designation	Q-ty	Description
16.3		50-1601180-A	1	Release yoke (includes 1,2,9)
	1	986714K1S23	1	Bearing
	2	50-1601185-A	1	Release yoke
	3	M10-6gx25.88.35.019 GOST 7796-70	3	Bolt
	4	10 OT OST 37.001.115-75	5	Washer
	5	60210 AUSH1 GOST 7242-81	1	Bearing
	6	240-1002055	1	Collar (included into 8)
	7	110-115-30-1-4 GOST 18829-73/9833-73	1	Ring
	8	50-1601172-A	1	Release yoke bracket (assembled with 6)
	9	1.1.TS9.chr GOST 19853-74	1	Oiler
	10	50-1601218	2	Key
	11	50-1601203	2	Fork
	12	M10-6gx30.88.35.019 GOST 7796-70	2	Bolt

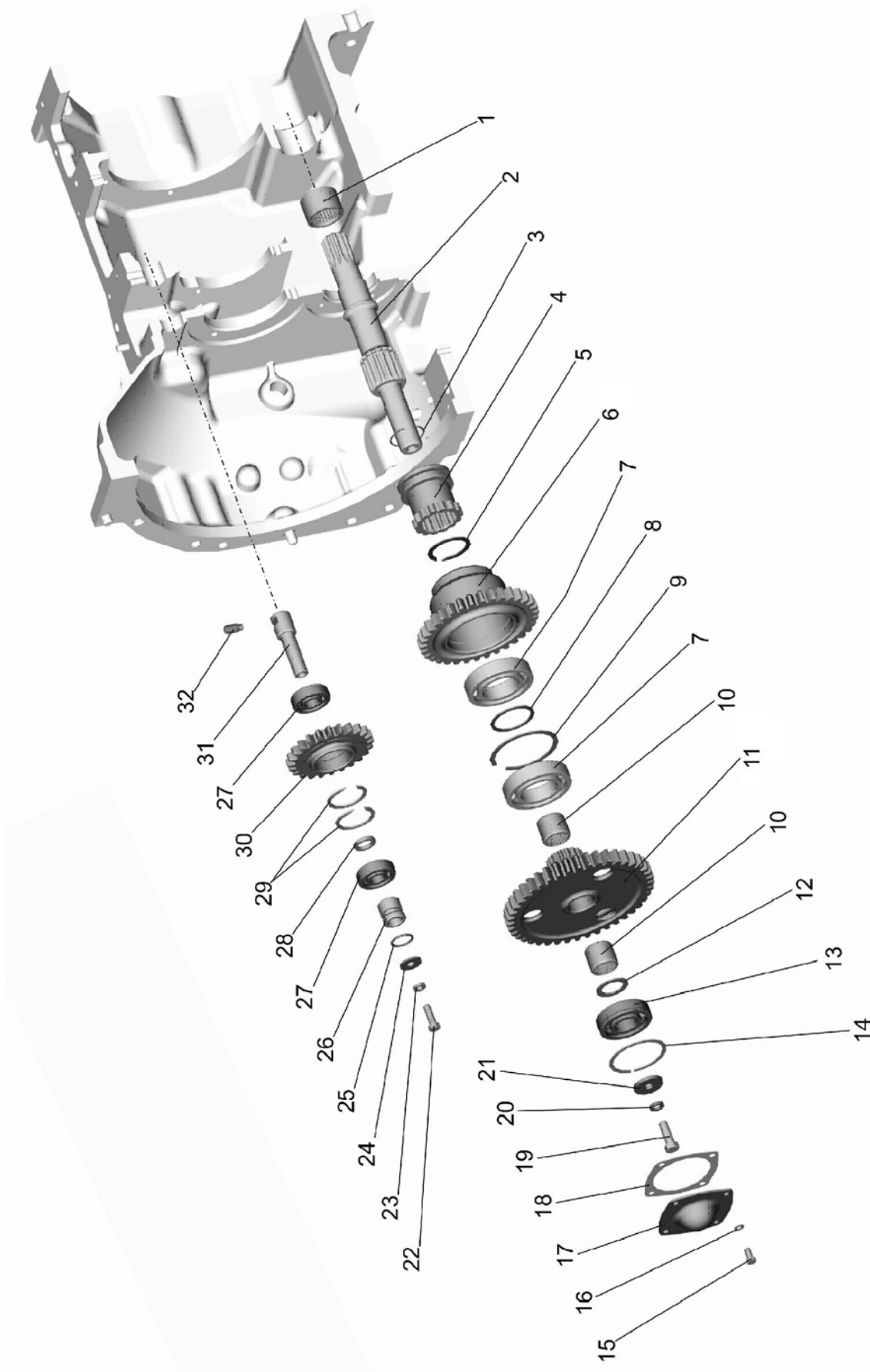


Fig.16.4. Clutch housing (PTO drive, pump drive of hitch hydraulic system)

Group 16. Clutch
Subgroup 1601. Clutch housing
(PTO drive, Pump drive of hitch hydraulic system)

Fig.	Pos.	Designation	Q-ty	Description
16.4		50-1601240	1	PTO gear train (5-11)
		50-1601330-A	1	Gear (27-30)
	1	942/40 GOST 4060-78	1	Bearing
	2	70-1601021-B	1	Driven shaft
	3	70-1601076	1	Ring
	4	70-1601081	1	Coupling
	5	2S50 GOST 13940-86	1	Ring
	6	50-1601086	1	PTO drive gear
	7	210 AUSH1 GOST 8338-75	2	Bearing
	8	70-1601083	1	Distance washer
	9	2S90 GOST 13941-86	1	Ring
	10	943/30 GOST 4060-78	2	Bearing
	11	50-1601088-B	1	PTO drive gear
	12	70-1601082	1	Washer
	13	6-50306K GOST8338-75/GOST2893-82	1	Bearing
	14	72 GOST 2893-82	1	Ring
	15	M8-6gx16.88.35.019 GOST 7796-70	4	Bolt
	16	8T OST 37.001.115-75	4	Washer
	17	50-1601089	1	Cover
	18	50-1601091	1	Gasket
	19	M12-6gx35.88.35.019 GOST 7796-70	1	Bolt
	20	12 OT OST 37.001.115-75	1	Washer
	21	50-1601038	1	Washer
	22	M10-6gx30.88.35.019 GOST 7796-70	1	Bolt
	23	10 OT OST 37.001.115-75	1	Washer
	24	S 10x6.01.019 GOST 6958-78	1	Washer
	25	025-030-30-1-4 GOST 18829-73/9833-73	1	Ring
	26	50-1601336	1	Bushing
	27	304A GOST 8338-75	2	Bearing
	28	50-1601333	1	Distance washer
	29	50-1701464	2	Clip ring
	30	50-1601331-A	1	Idler pinion
	31	50-1601335	1	Gear axle
	32	V.M12-6gx25.14H.019 GOST 1478-93	1	Screw

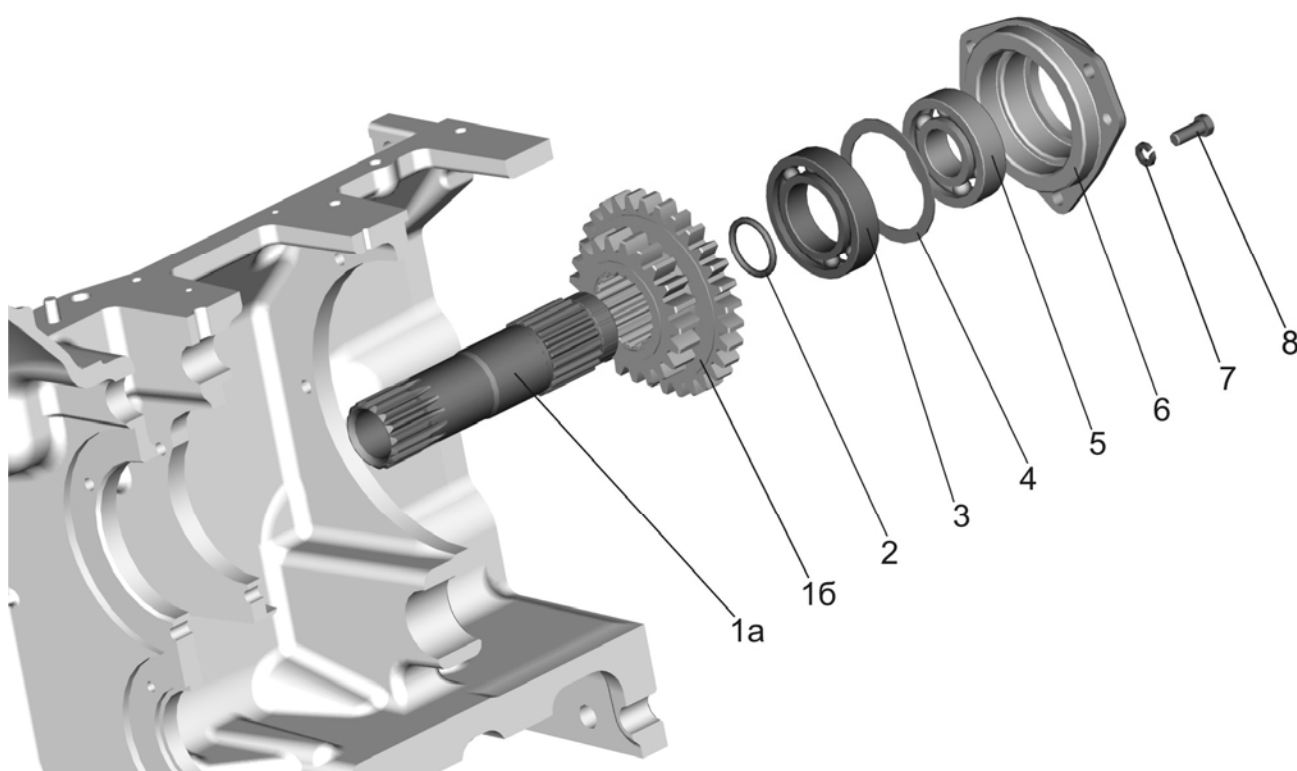


Fig.16.5. Clutch housing. PTO drive. ($n_{eng}=1800$ rpm)

Group 16. Clutch
Subgroup 1601. Clutch housing. PTO drive.

Fig.	Pos.	Designation	Q-ty	Description
16.5	1a	50-1601023	1	Shaft
	1B	50-1601024	1	Gear
	2	50-1601321	1	O-Ring
	3	210 AUSH1 GOST8338-75	1	Bearing
	4	50-1601027	1	Thrust washer
	5	307A GOST 8338-75	1	Bearing
	6	70-1601028	1	Bracket
	7	10 OT OST 37.001.115-75	3	Washer
	8	M10-6gx25.88.35.019 GOST 7796-70	3	Bolt

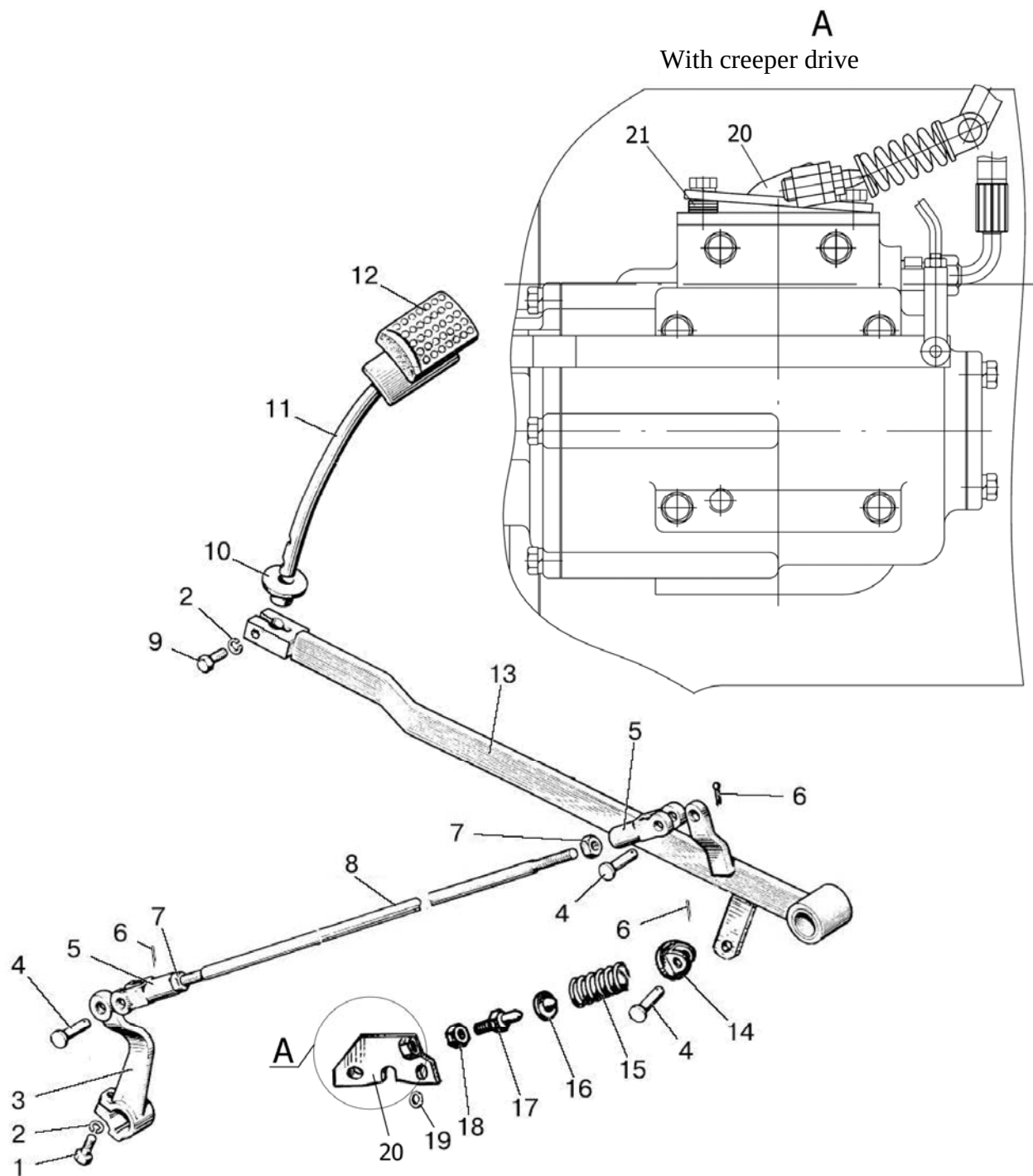


Fig.16.6. Clutch control

Group 16. Clutch
Subgroup 1602. Clutch control

Fig.	Pos.	Designation	Q-ty		Description
16.6		80-1602010-B	1	-	Clutch control (1-20)
		80-1602010-B-01 ¹⁾	-	1	Clutch control (1-18,20-21)
		85-1602110-B	1	1	Clutch rod (5,7,8)
	1	M12-6gx35.88.35.019 GOST 7796-70	1	1	Bolt
	2	12 OT OST 37.001.115-75	2	2	Washer
	3	80-1601219-B	1	1	Lever
	4	12x32 OST 37.001.163-75	3	3	Pin
	5	50-3502203	2	2	Fork
	6	3,2x18.019 GOST 397-79	3	3	Split pin
	7	M12x1,25-6H.6.019 GOST 5915-70	2	2	Nut
	8	85-1602112-B	1	1	Rod
	9	M12-6gx30.88.35.019 GOST 7796-70	1	1	Bolt
	10	80-3503158-A	1	1	Sealant
	11	80-1602040-B	1	1	Pad rod
	12	A13.33.002	1	1	Pad
	13	80-1602020-B1	1	1	Pedal
	14	50-1602027	1	1	Limit stop
	15	50-1602032	1	1	Spring
	16	50-1602029	1	1	Thrust washer
	17	80-1602033	1	1	Stop bolt
	18	M16-6H.6.019 GOST 5916-70	1	1	Nut
	19	S12.01.019 GOST 11371-78	1	-	Washer
	20	80-1602075-B	1	-	Bracket
		80-1602075-D	-	1	Bracket
	21	S10.01.019 GOST 11371-78	-	4	Washer

¹⁾ with creeper drive

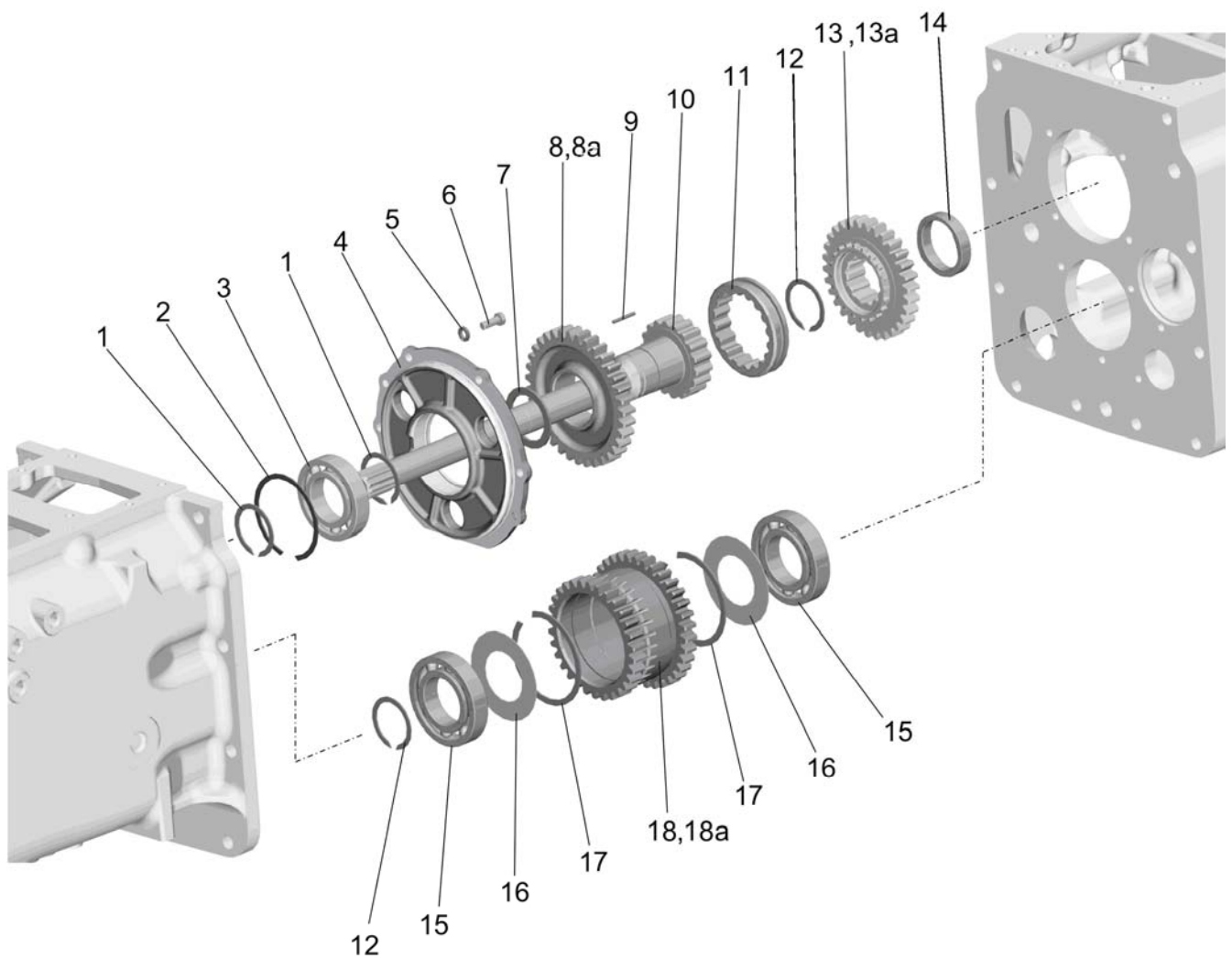


Fig.17.1. Mechanical reducing gear unit/ mechanical speed-increase unit

Group 17. Gearbox**Subgroup 1721. Mechanical reducing gear unit/mechanical speed-increase unit**

Fig.	Pos.	Designation	Q-ty		Description
			Reducing gear unit ¹⁾	Increase ¹⁾	
17.1		70-1721020	1	-	Clutch shaft with cover (1-4,7,8-10)
		50-1721020	-	1	Clutch shaft with cover (1-4,7,8a-10)
		70-1721040	1	-	Gear (15-18)
		50-1721040	-	1	Gear (15-18a)
	1	2S55 GOST 13940-86	2	2	Ring
	2	2S100 GOST 13941-86	1	1	Ring
	3	211 AUSH1 GOST8338-75	1	1	Bearing
	4	70-1721022	1	1	Bearing cover
	5	10 OT OST 37.001.115-75	4	4	Washer
	6	M10-6gx25.88.35.019 GOST 7796-70	4	4	Bolt
	7	70-1721023	1	1	Washer
	8	70-1721031	1	-	Gear
	8a	50-1721031	-	1	Gear
	9	4x34,8A3 GOST 6870-81	47	47	Roller
	10	70-1721113-A	1	1	Clutch shaft
	11	70-1721045	1	1	Gear clutch
	12	2S60 GOST 13940-86	2	2	Ring
	13	70-1721025	1	-	Gear
	13a	50-1721025	-	1	Gear
	14	50-1701312	-	1	Bushing
	15	212 AUSH1 GOST 8338-75	2	2	Bearing
	16	70-1721318	2	2	Washer
	17	2S110 GOST 13941-86	2	2	Ring
	18	70-1721041	1	-	Gear
	18a	50-1721041	-	1	Gear
¹⁾ see table for to fig. 16.2					

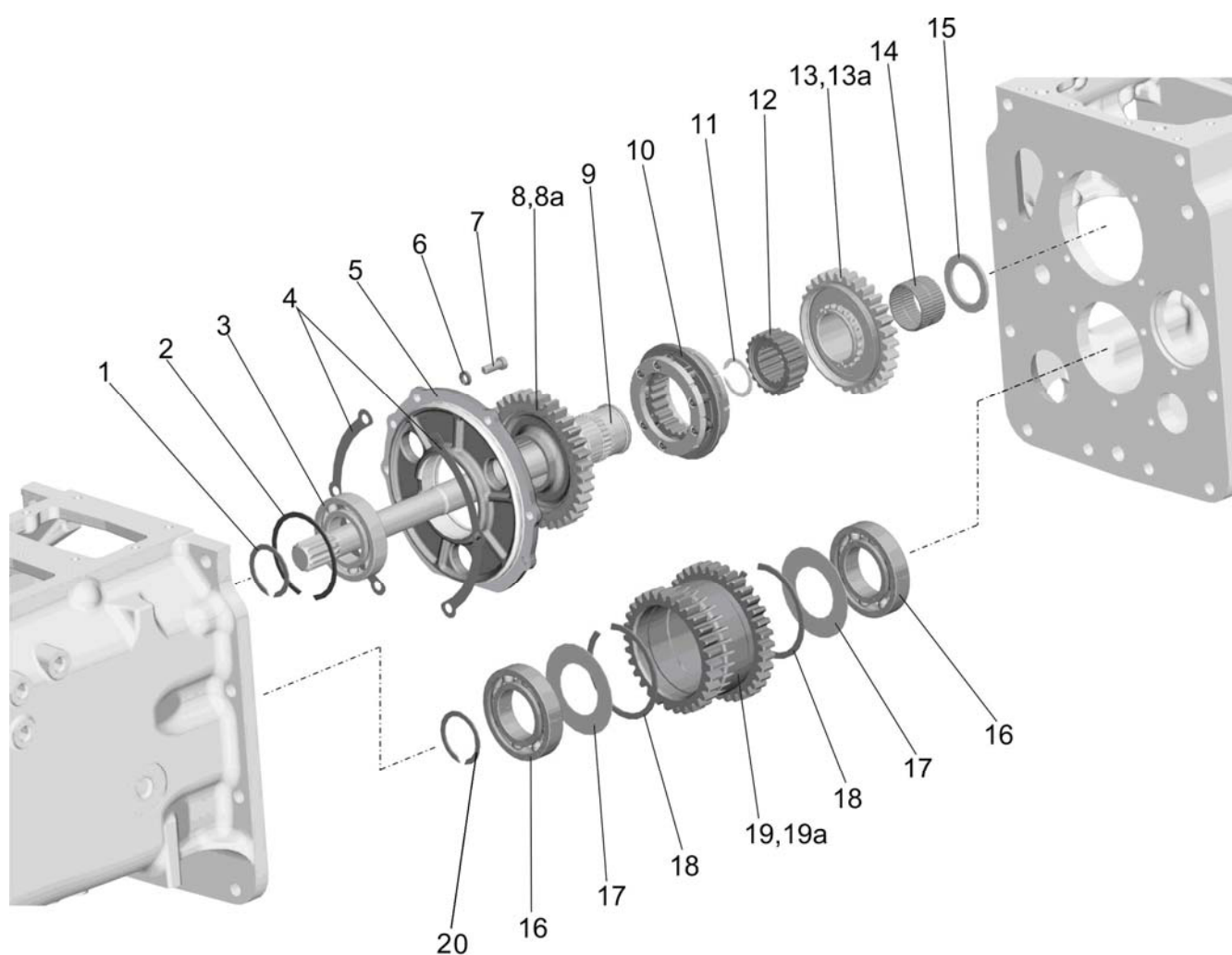


Fig.17.2. Synchronized reducing gear unit/ synchronized speed-increase unit

Group 17. Gearbox
**Subgroup 1721. Synchronized reducing gear unit/
synchronized speed-increase unit**

Fig.	Pos.	Designation	Q-ty		Description
			Reducing gear unit ¹⁾	Increase ¹⁾	
17.2		74-1721020	1	-	Shaft assy (1-3,5,8,9)
		74-1721020-01	-	1	Shaft assy (1-3,5,8a,9)
		70-1721040	1	-	Gear (16-19)
		50-1721040	-	1	Gear (16-19a)
	1	2S55 GOST 13940-86	1	1	Ring
	2	2S110 GOST 13941-86	1	1	Ring
	3	211 AUSH1 GOST8338-75	1	1	Bearing
	4	74-1721023	1..4	1..4	Gasket 0,5 mm
		74-1721023-01	1..4	1..4	Gasket 0,5 mm
	5	70-1721022	1	1	Bearing cover
	6	10 OT OST 37.001.115-75	4	4	Washer
	7	M10-6gx25.88.35.019 GOST 7796-70	4	4	Bolt
	8	74-1721090	1	-	Gear
	8a	74-1721090-01	-	1	Gear
	9	74-1721113	1	1	Shaft
	10	74-1701060-A	1	1	Synchronizer
	11	S40 GOST 13940-86	1	1	Ring
	12	74-1721028	1	1	Bushing
	13	74-1721080	1	-	Gear
	13a	74-1721080-01	-	1	Gear
	14	3KK 50x57x36E TU RB 00234873.003-99	1	1	Bearing
	15	74-1701026	1	1	Ring
	16	212 AUSH1 GOST 8338-75	2	2	Bearing
	17	70-1721318	2	2	Washer
	18	2S110 GOST 13941-86	2	2	Ring
	19	70-1721041	1	-	Gear
	19a	50-1721041	-	1	Gear
	20	2S60 GOST 13940-86	1	1	Ring

¹⁾ see table to fig. 16.2

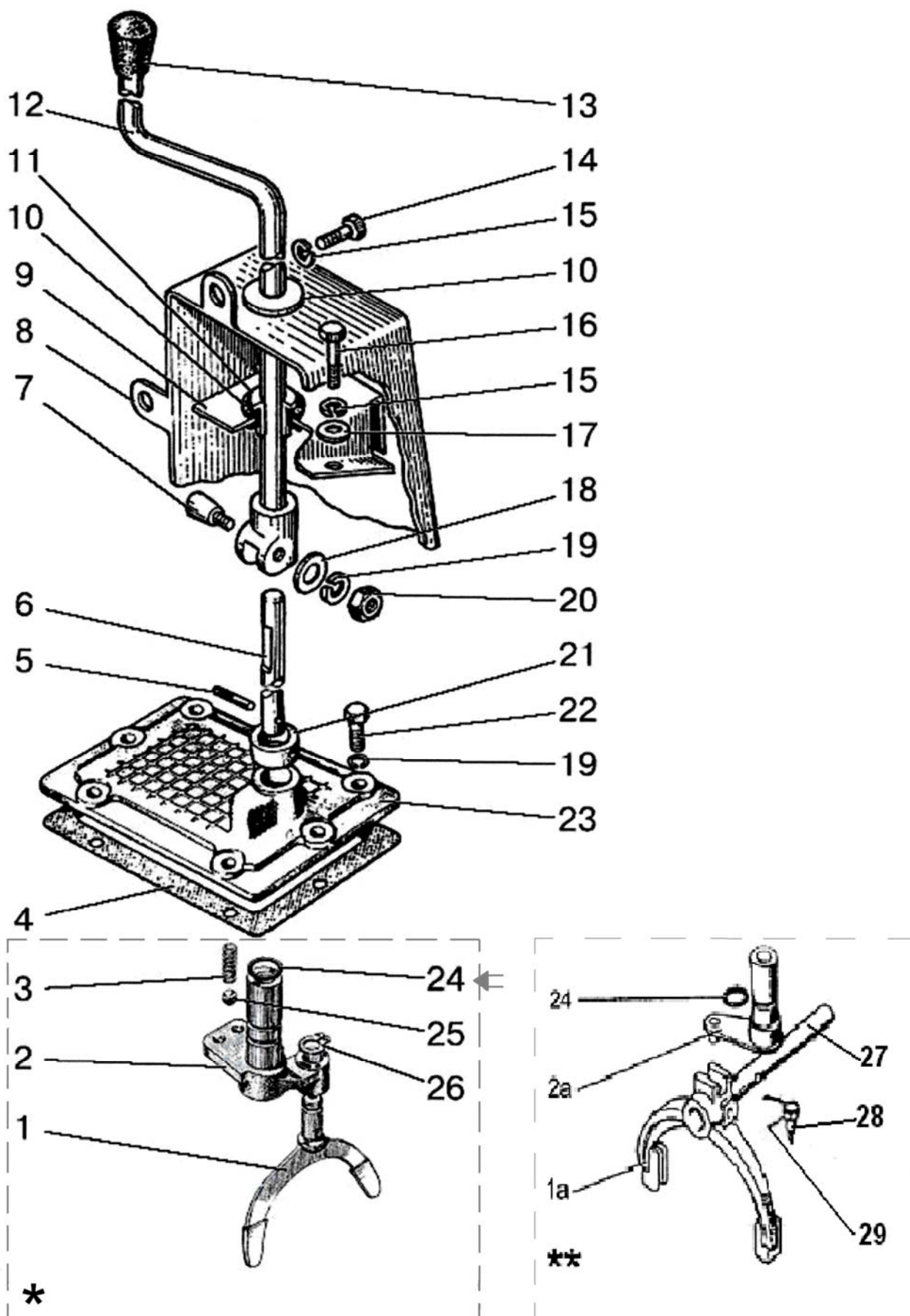


Fig.17.3. Control of mechanical*/synchronized** reducing gear unit or speed-increase unit

Group 17. Clutch
Subgroup 1723. Control of mechanical*/synchronized reducing gear unit**
or speed-increase unit

Fig.	Pos.	Designation	Q-ty		Description
			72-1700010-B1/ /-01/-07	72-1700010-B1-08 74-1700010-01/ /-05/-09/-13 1021-1700010-01/ /-05/-09/-13	
17.3		80-1723010-B	1	-	Gear unit control (1, 2, 3, 5, 6, 21, 23-26)
		74-1723030	-	1	Gear unit cover (2a, 5, 6, 23-24)
		74-1723020-B1	-	1	Fork (1a, 27, 28, 29)
		80-1723065-B	1	1	Lever (7, 12, 13, 18-20)
	1	80-1721021	1	-	Fork
	1a	74-1723043-B	-	1	Fork
	2	70-1723020	1	-	Axle with lever
	3	50-1702148-A	1	1	Spring
	2a	74-1723140	-	1	Lever
	4	50-1601347	1	1	Gasket
	5	70-1723012	1	1	Dowel
	6	70-1723024	1	1	Rod
	7	70-1723063	1	1	Cottar
	8	80-6700370-B	1	1	Casing
	9	80-6702291	1	1	Strap
	10	70-3723024	2	2	Bushing
	11	70-4605308-B	1	1	Bushing
	12	80-1723060-B	1	1	Lever
	13	A15.05.020	1	1	Handle
	14	M6-6gx20.88.35.019 GOST 7798-70	3	3	Bolt
	15	6T OST 37.001.115-75	5	5	Washer
	16	M6-6gx14.88.35.019 GOST 7798-70	2	2	Bolt
	17	S 6.01.019 GOST 11371-78	2	2	Washer
	18	S 10.01.019 GOST 11371-78	1	1	Washer
	19	10 OT OST 37.001.115-75	7	7	Washer
	20	M10-6H.6.019 GOST 5915-70	1	1	Nut
	21	70-1723032	1	1	Bushing
	22	M10-6gx30.88.35.019 GOST 7796-70	6	6	Bolt
	23	70-1723015	1	1	Cover
	24	025-030-30-2-2 GOST 18829-73/9833-73	1	1	Ring
	25	10,0-60 GOST 3722-81	1	1	Ball
	26	S16 GOST 13940-86	1	1	Ring
	27	74-1723044-B1	-	1	Shaft
	28	220-1702061	-	1	Bolt
	29	1,6-O-S GOST 3282-74	-	1	Wire (L=200 mm)

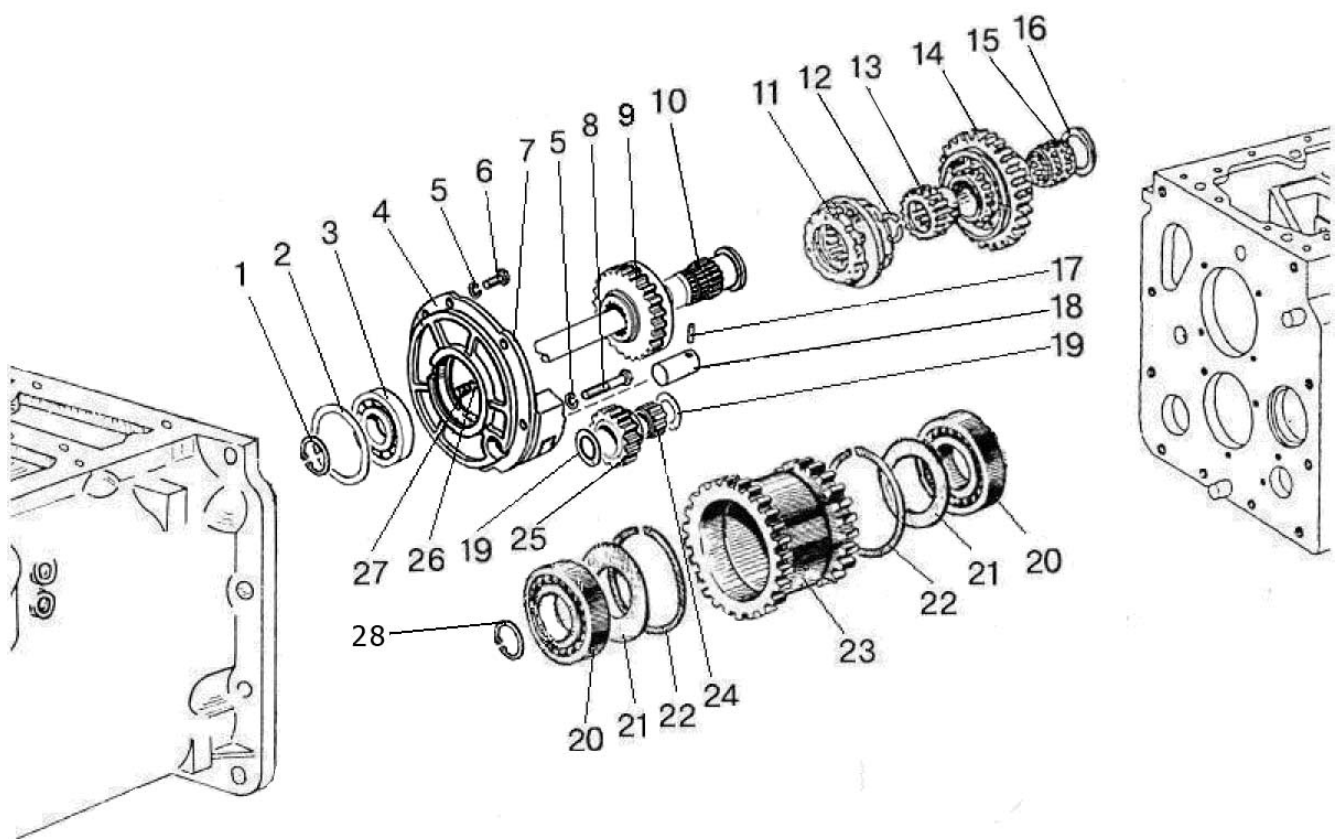


Fig.17.4. Synchronized reverse gear unit

Group 17. Gearbox
Subgroup 1721. Synchronized reverse gear unit

Fig.	Pos.	Designation	Q-ty	Description
			72-1700010-B1-03/-04 74-1700010-07/-15 1021-1700010-07/-15	
17.4		R70-1721020	1	Clutch shaft (1-4, 7, 9, 10, 18, 19, 24-27)
		50-1721040	1	Gear (20-23)
	1	2S55 GOST 13940-86	1	Ring
	2	2S100 GOST 13941-86	1	Ring
	3	211AUSH1 GOST 8338-75	1	Bearing
	4	74-1721023	4 ¹⁾	Gasket 0,5 mm
		74-1721023-01	4 ¹⁾	Gasket 0,2 mm
	5	10 OT OST 37.001.115-75	4	Washer
	6	M10-6gx25.88.35.019 GOST 7796-70	3	Bolt
	7	R70-1721022	1	Bearing cover
	8	M10-6gx75.88.35.019 GOST 7796-70	1	Bolt
	9	R70-1721090	1	Gear
	10	74-1721113	1	Shaft
	11	74-1701060-A	1	Synchronizer
	12	S40 GOST 13940-86	1	Ring
	13	74-1721028	1	Bushing
	14	74-1721080-01	1	Gear
	15	3KK50x57x36E TU RB 00234873.003-99	1	Bearing
	16	74-1701026	1	Ring
	17	70-1723012	1	Dowel
	18	R70-1721023	1	Axle
	19	R70-1721021	2	Ring
	20	212AUSH1 GOST 8338-75	2	Bearing
	21	70-1721318	2	Washer
	22	2S110 GOST 13941-86	2	Ring
	23	50-1721041	1	Gear
	24	864906E TU RB 00234873.003-99	1	Roller bearing
	25	R70-1721024	1	Gear
	26	12-12-306	1	Ring
	27	52-2308094	1	Dowel
	28	2S60 GOST 13940-86	1	Ring
¹⁾ Max.q-ty. Selection				

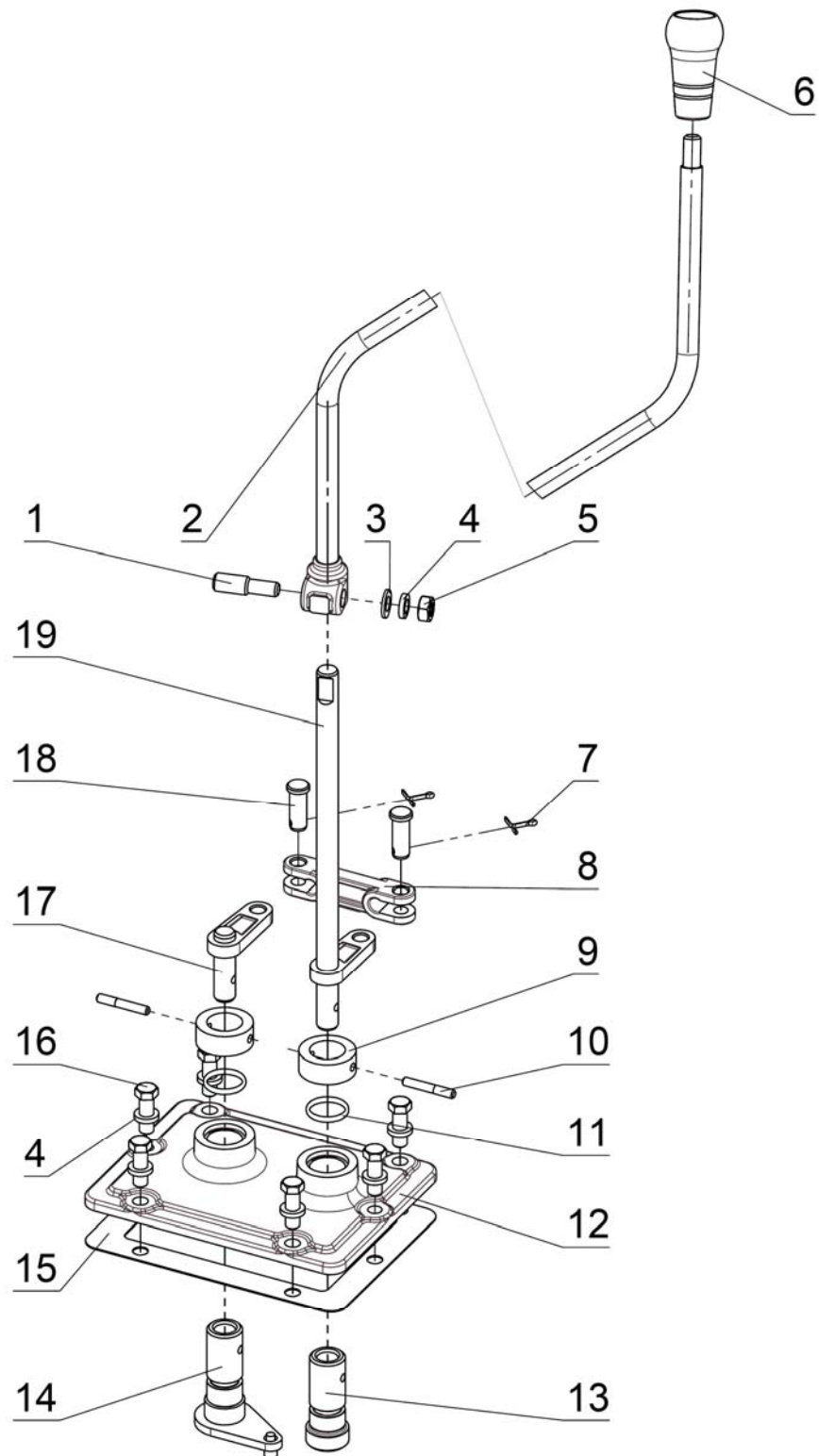


Fig.17.5. Control of synchronized reverse gear unit

Group 17. Gearbox
Subgroup 1723. Control of synchronized reverse gear unit

Fig.	Pos.	Designation	Q-ty	Description
			72-1700010-B1-03/-04 74/1021-1700010-07/-15	
17.5		R70-1703010	1	Cover(7-14, 17-19)
		R70-1723060	1	Lever (1-6)
	1	70-1723063	1	Cottar
	2	R70-1723065	1	Lever
	3	S 10.01.019 GOST 11371-78	1	Washer
	4	10 OT OST 37.001.115-75	7	Washer
	5	M10-6H.6.019 GOST 5915-70	1	Nut
	6	A15.05.020-01	1	Handle
	7	3,2x18.019 GOST 397-79	2	Split pin
	8	R70-1723013	1	Strip
	9	70-1723032	2	Bushing
	10	70-1723012	2	Dowel
	11	025-030-30-2-2 GOST 18829-73/GOST 9833-73	2	Ring
	12	R70-1723015	1	Cover
	13	R70-1723011	1	Lever axle
	14	74-1723140	1	Lever
	15	50-1601347	1	Gasket
	16	M10-6gx30.88.35.019 GOST 7796-70	6	Bolt
	17	R70-1723020	1	Axle
	18	10x28 OST 37.001.163-75	2	Pin
	19	R70-1723030	1	Lever

Group 17. Gearbox

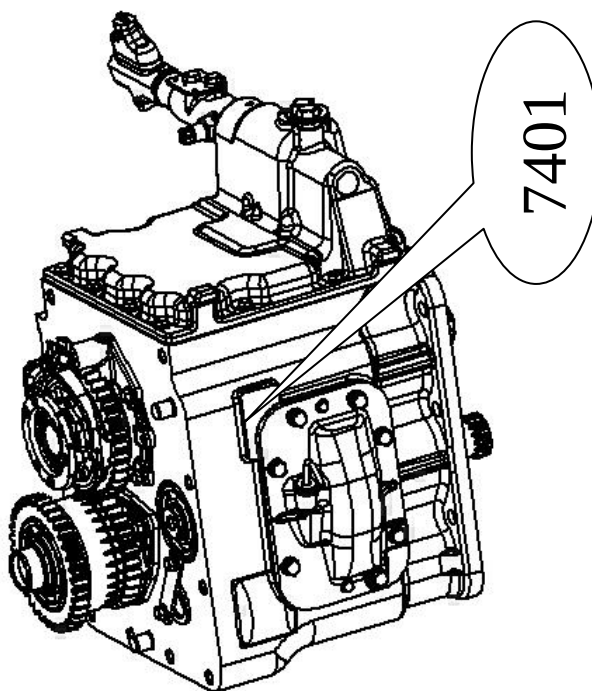
Table – GB configuration variants of the tractor BELARUS-952.5

Designation of GB configuration	Marking code of GB configuration¹⁾	Description of GB configuration
72-1700010-B1	72600	- mechanical GB; - mechanical reducing gear unit; - without speed limitation; - with mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.
72-1700010-B1-01	72601	- mechanical GB; - mechanical speed-increase unit (increaser); - without speed limitation; - with mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.
72-1700010-B1-03	72603	- mechanical GB; - synchronized reverse gear unit $i=-1,07$; - without speed limitation; - with mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.
72-1700010-B1-04	72604	- mechanical GB; - synchronized reverse gear unit $i=-1,88$; - without speed limitation; - with mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.
72-1700010-B1-07	72607	- mechanical GB; - mechanical reducing gear unit; - without speed limitation; - w/o mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.
72-1700010-B1-08	72608	- mechanical GB; - synchronized reducing gear unit; - without speed limitation; - with mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.
74-1700010-01	7401	- synchro-GB; - Synchronized reducing gear unit; - without speed limitation; - with mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.
74-1700010-05	7405	- synchro-GB; - synchronized speed-increase unit (increaser); - without speed limitation; - with mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.
74-1700010-07	7407	- synchro-GB; - synchronized reverse gear unit $i=-1,07$; - without speed limitation; - with mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.
74-1700010-09	7409	- synchro-GB; - synchronized reducing gear unit; - without speed limitation; - w/o mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.
74-1700010-13	7413	- synchro-GB; - synchronized speed-increase unit (increaser); - without speed limitation; - w/o mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.
74-1700010-15	7415	- synchro-GB; - synchronized reverse gear unit $i=-1,07$; - without speed limitation; - w/o mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.

Designation of GB configuration	Marking code of GB configuration ¹⁾	Description of GB configuration
1021-1700010-01	1001	- synchro-GB; - synchronized reducing gear unit; - without speed limitation; - with mechanical/hydraulic creeper drive; - with FDA drive; - double-lever GB control.
1021-1700010-05	1005	- synchro-GB; - synchronized speed-increase unit (increaser); - without speed limitation; - with mechanical/hydraulic creeper drive; - with FDA drive; - double-lever GB control.
1021-1700010-07	1007	- synchro-GB; - synchronized reverse gear unit $i=-1,07$; - without speed limitation; - with mechanical/hydraulic creeper drive; - with FDA drive; - double-lever GB control.
1021-1700010-09	1009	- synchro-GB; - Synchronized reducing gear unit; - without speed limitation; - w/o mechanical/hydraulic creeper drive; - with FDA drive; - single-lever GB control.
1021-1700010-13	1013	- synchro-GB; - synchronized speed-increase unit (increaser); - without speed limitation; - w/o mechanical/hydraulic creeper drive; - with FDA drive; - double-lever GB control.
1021-1700010-15	1015	- synchro-GB; - synchronized reverse gear unit $i=-1,07$; - without speed limitation; - w/o mechanical/hydraulic creeper drive; - with FDA drive; - double-lever GB control.

Note –

- 1) Variant of GB tractor configuration is clear defined by GB configuration marking. The marking is made by impact method to the left of tractor moving on the pad in the left upper corner of GB housing window and represent vertically orriented row of figures (see example on Figure).



Figure– GB configuration marking
GB configuration marking code– 7401. GB configuration– 74-1700010-01

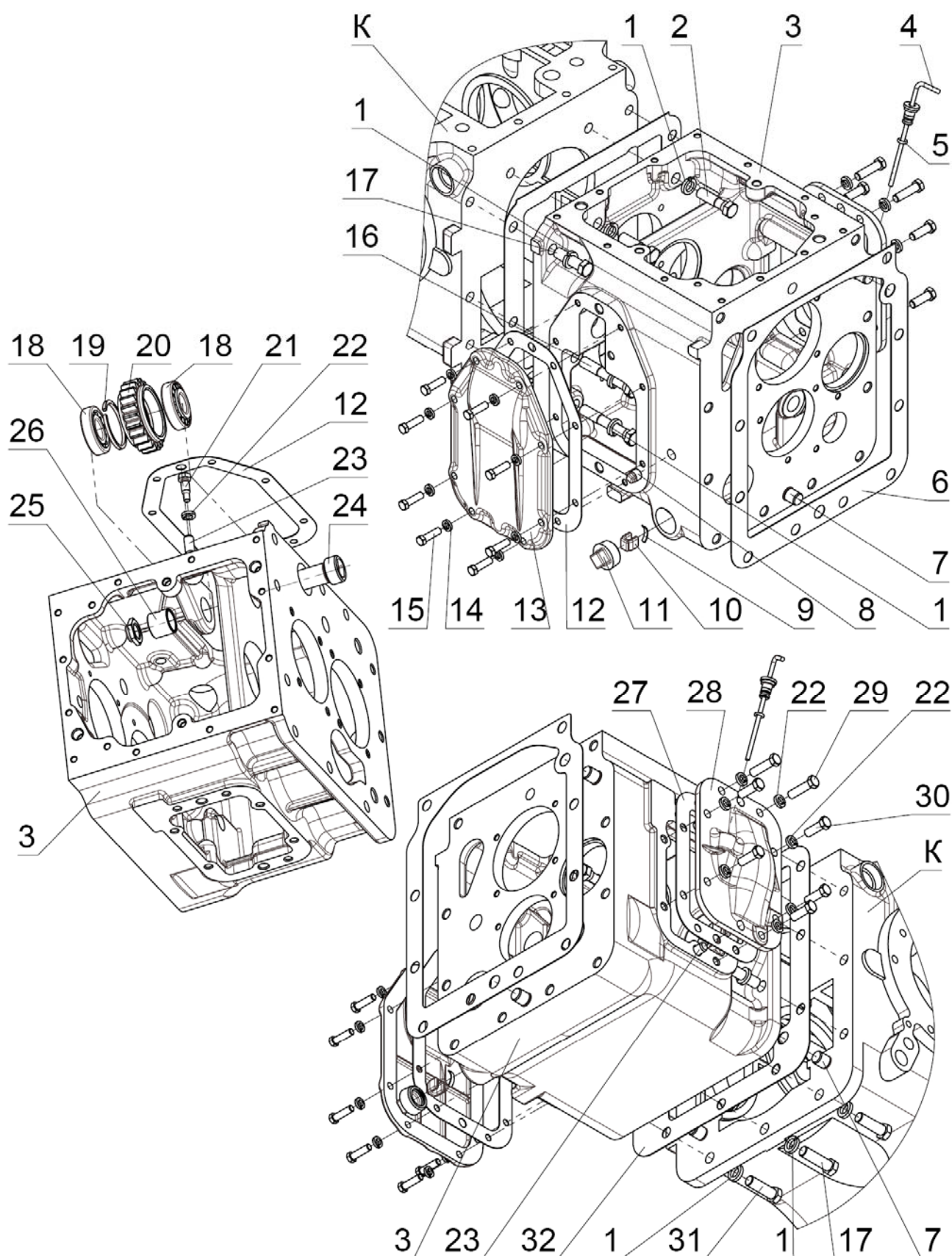


Fig.17.6. GB casing. FDA drive

Group 17. Gearbox
Subgroup 1701. GB casing. FDA drive

Fig.	Pos.	Designation	Q-ty		Description
			72-1700010-B1/-01/ /-03/-04/-07/-08	74/1021-1700010-01/ /-05/-07/-09/-13/-15	
17.6		52-1802095-B	1	1	Gear (18-20)
		70-1701300	1	1	Plug (9-11)
		70-1701410-A	1 ¹⁾	1 ¹⁾	Oil gauge (4, 5)
	1	16 OT OST 37.001.115-75	11	11	Washer
	2	M16-6gx60.88.35.019 GOST 7795-70	2	2	Bolt
	3	50-1701025-A	1	-	GB casing
		50-1701025-A-01	-	1	GB casing
	4	70-1701415-A	1 ¹⁾	1 ¹⁾	Oil gauge
	5	011-015-25-2-4 GOST 18829-73/GOST 9833-73	2 ¹⁾	2 ¹⁾	Ring
	6	50-1701026	1	1	Gasket
	7	50-4605027	4	4	Dowel
	8	PK KG 3/8"	1	1	Plug
	9	70-1701302	1	1	Stop member
	10	PSM 1 1/4"-2	1	1	Magnet
	11	70-1701301	1	1	Plug
	12	50-1701459	1	1	Gasket
	13	50-1701458	-	-	Cover
	14	10 OT OST 37.001.115-75	8	8	Washer
	15	M10-6gx35.88.35.019 GOST 7796-70	8	8	Bolt
	16	M16-6gx100.88.35.019 GOST 7795-70	2	2	Bolt
	17	M16-6gx55.88.35.019 GOST 7796-70	5	5	Bolt
	18	7306AGOST 27365-87	2	2	Bearing
	19	52-1802097-A	1	1	Ring
	20	52-1802091	1	1	Gear
	21	52-1802093	1	1	Screw
	22	12 OT OST 37.001.115-75	8	8	Washer
	23	D01-015	4	4	Dowel pin
	24	52-1802094	1	1	Axle
	25	52-1802128	1	1	Nut
	26	52-1802092-B	1	1	Bushing
	27	50-1701456-A	1	1	Gasket
	28	70-1701454-A2	1 ¹⁾	1 ¹⁾	Cover
	29	M12-6gx45.88.35.019 GOST 7796-70	2	2	Bolt
	30	M12-6gx35.88.35.019 GOST 7796-70	5	5	Bolt
	31	M16-6gx50.88.35.019 GOST 7796-70	2	2	Bolt
	32	50-2401016-B	2	2	Gasket
	K	-	1 ²⁾	1 ²⁾	Rear axle housing

¹⁾ On tractors, equipped with mechanical or hydraulic creeper is not mounted.

²⁾ Designation see in corresponding section

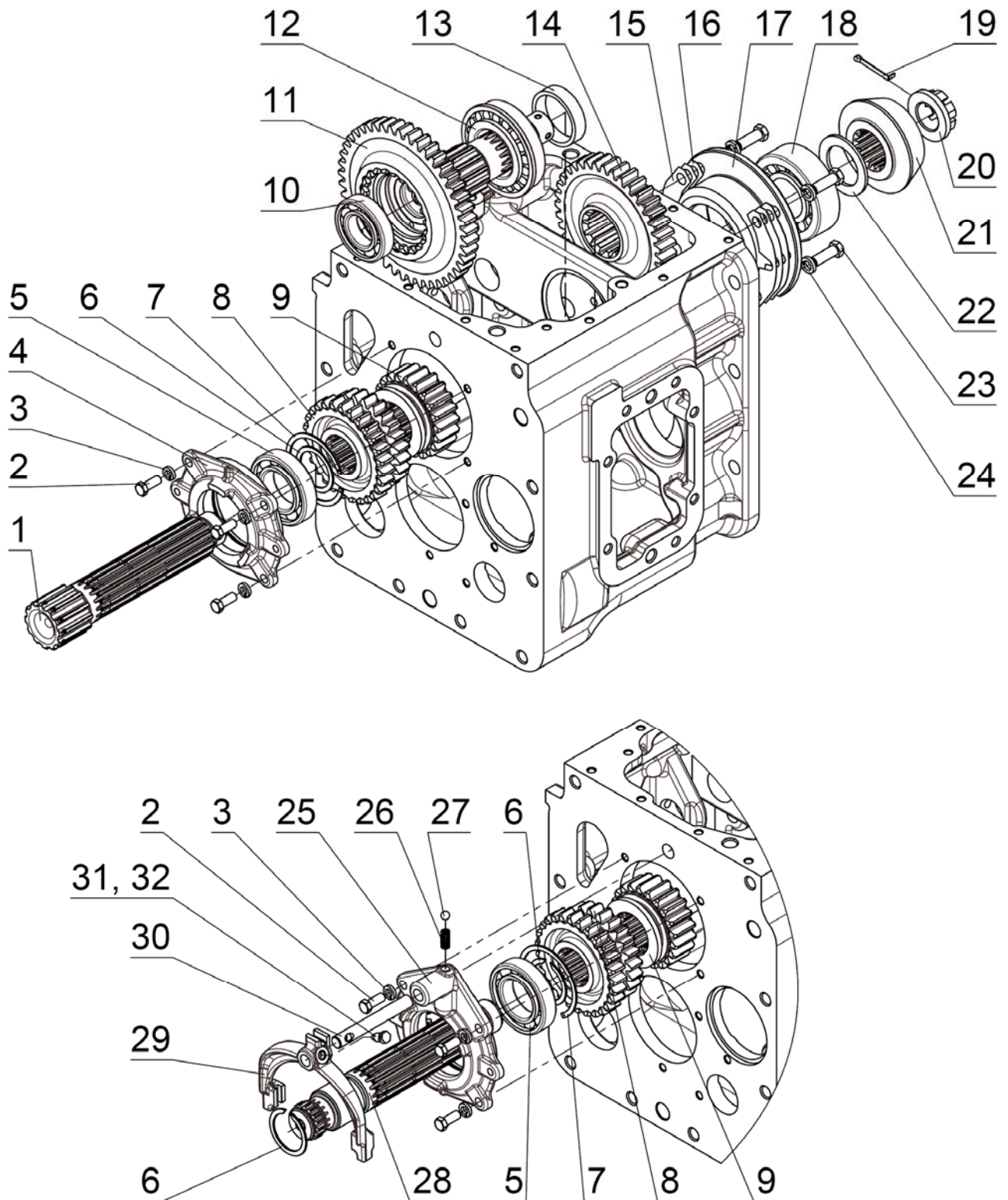


Fig.17.7. Primary and secondary shaft of mechanical GB

Group 17. Gearbox
Subgroup 1701. Primary shaft. Secondary shaft of mechanical GB

Fig.	Pos.	Designation	Q-ty		Description
			72-1700010-B1/-01/-07	72-1700010-B1-03/-04/-08	
17.7		48-1701030-A	1	-	Primary shaft (1, 4-9)
		822-1701030	-	1	Primary shaft (5-9, 25, 28)
		50-1701040	1	1	Secondary shaft (10-13)
		74-1723020-B1	-	1	Fork (29-32)
	1	48-1701032-A	1	-	Primary shaft
	2	M10-6g x25.88.35.019 GOST 7796-70	4	4	Bolt
	3	10 OTOST 37.001.115-75	4	4	Washer
	4	50-1701034	1	-	Body
	5	210AUSH1 GOST 8338-75	1	1	Bearing
	6	2S50GOST 13940-86	1	2	Ring
	7	2S90GOST 13941-86	1	1	Ring
	8	50-1701048-A	1	1	Gear
	9	50-1701045	1	1	Gear
	10	208AGOST 8338-75	1	1	Bearing
	11	50-1701252	1	1	Secondary shaft
	12	6-67512ASH2 GOST 27365-87	1	1	Bearing
	13	50-1701312	1	1	Bushing
	14	50-1701314	1	1	Gear
	17	50-1701255	1	1	Body
	18	6-7610ASH2 GOST 27365-87	1	1	Bearing
	15	50-1701258	10 ¹⁾	10 ¹⁾	Gasket
	16	50-1701259	6 ²⁾	6 ²⁾	Gasket
	19	5x45.019 GOST 397-79	1	1	Split pin
	20	50-1701253 or 50-1701253-A	1	1	Nut
	21	50-1701105-B	1 ³⁾	1 ³⁾	Gear
	22	50-1701254-A	1	1	Washer
	23	M12-6g x35.88.35.019 GOST 7796-70	4	4	Bolt
	24	12 OT OST 37.001.115-75	4	4	Washer
	25	74-1701034-B	-	1	Body
	26	50-1701184-A	-	1	Spring
	27	10,0-60 GOST 3722-81	-	1	Ball
	28	R70-1701032	-	1	Primary shaft
	29	74-1723043-B	-	1	Fork
	30	74-1723044-B1	-	1	Shaft
	31	220-1702061	-	1	Bolt
	32	1,6-O-S GOST 3282-74	-	1 ⁴⁾	Wire

¹⁾ Max.q-ty. Selection. Nominal thickness of one washer S=0,2 mm.
²⁾ Max.q-ty. Selection. Nominal thickness of one washer S=0,5 mm.
³⁾ Gear 50-1701105-B is delivered as spare part only within a set 50-2403014 "Gears of main gear in pair".
⁴⁾ Length of wire L≈200 mm.

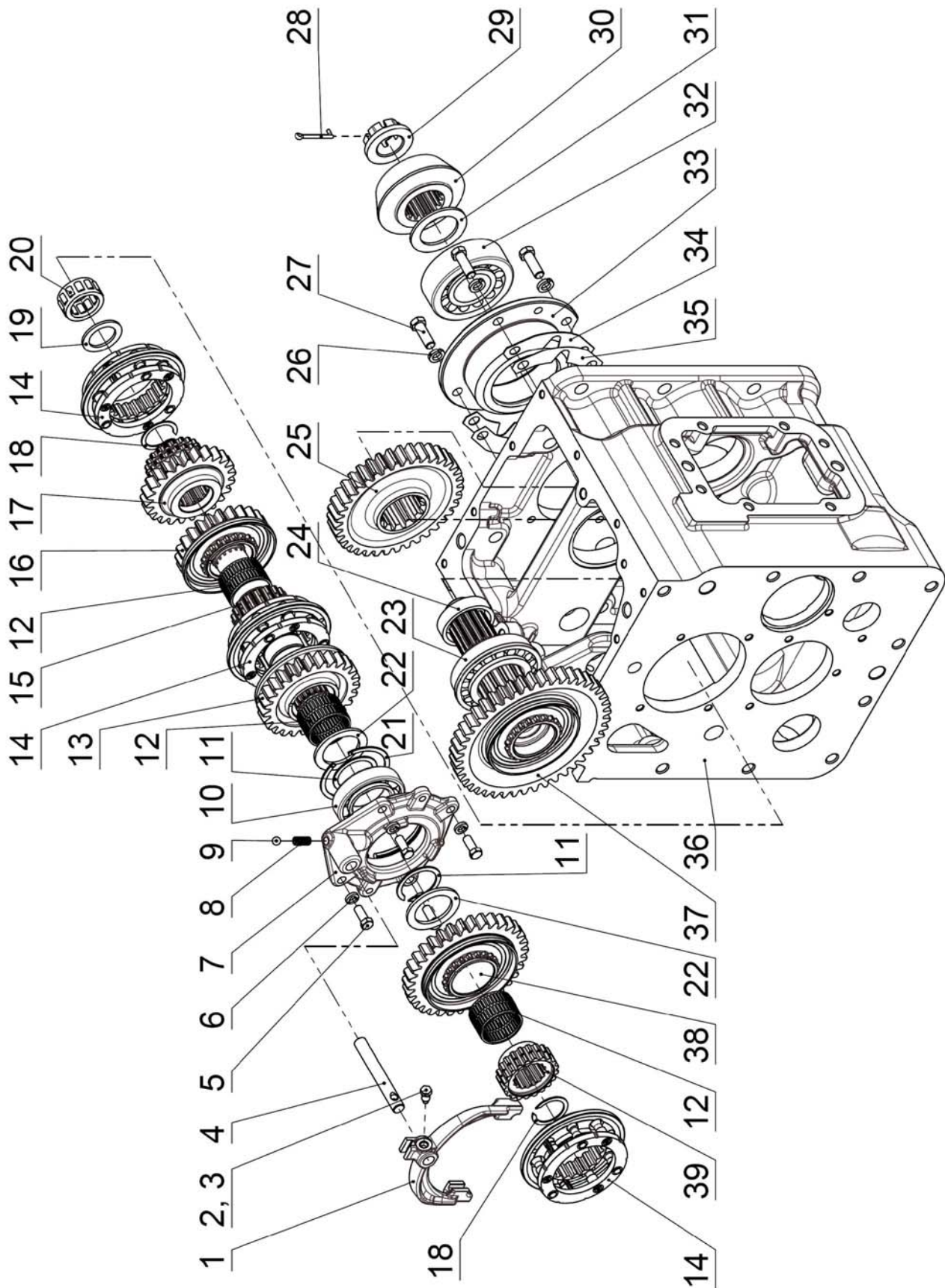


Fig.17.8. Primary and secondary shaft of synchronized GB

Group 17. Gearbox
Subgroup 1701. Primary and secondary shaft of synchronized GB

Fig.	Pos.	Designation	Q-ty			Description
			74/1021-1700010-01/-09	74/1021-1700010-05/-13	74/1021-1700010-07/-15	
17.8		74-1701030	1	1	1	Primary shaft (7, 10-18, 21, 22)
		74-1701040	1	1	1	Secondary shaft (23, 37)
		74-1723020-B1	1	1	-	Fork (1-4)
		74-1723020-B1-01	-	-	1	Fork(1-4)
	1	74-1723043-B	1	1	1	Fork
	2	220-1702061	1	1	1	Bolt
	3	1,6-O-S GOST 3282-74	1	1	1	Wire (L=200 mm)
	4	74-1723044-B1	1	1	-	Shaft
		74-1723044-B1-01	-	-	1	Shaft
	5	M10-6gx25.88.35.019 GOST 7796-70	4	4	4	Bolt
	6	10 OT OST 37.001.115-75	4	4	4	Washer
	7	74-1701034-B	1	1	1	Body
	8	50-1702148-A	1	1	1	Spring
	9	10,0-60 GOST 3722-81	1	1	1	Ball
	10	210 AUSH1 GOST 8338-75	1	1	1	Bearing
	11	2S50 GOST 13940-86	2	2	2	Ring
	12	3KK50x57x36 TU RB 00234873.003-99	3	3	3	Bearing
	13	74-1701110	1	1	1	Gear
	14	74-1701060-A	3	3	3	Synchronizer
	15	74-1701032	1	1	1	Shaft
	16	74-1701100	1	1	1	Gear
	17	74-1701045	1	1	1	Gear
	18	S40 GOST 13940-86	2	2	2	Ring
	19	74-1701029	1	1	1	Ring
	20	822707D (K 35x55x25 D)	1	1	1	Bearing
	21	2S90GOST 13941-86	1	1	1	Ring
	22	74-1701026	2	2	2	Washer
	23	6-67512 ASH2 GOST 27365-87	1	1	1	Bearing
	24	50-1701312	1	1	1	Bushing
	25	50-1701314	1	1	1	Gear
	26	12 OT OST 37.001.115-75	4	4	4	Washer
	27	M12-6g x35.88.35.019 GOST 7796-70	4	4	4	Bolt
	28	5x45.019 GOST 397-79	1	1	1	Split pin
	29	50-1701253 or 50-1701253-A	1	1	1	Nut
	30	50-1701105-B	1 ¹⁾	1 ¹⁾	1 ¹⁾	Gear
	31	50-1701254-A	1	1	1	Washer
	32	6-7610 ASH2 GOST 27365-87	1	1	1	Bearing
	33	50-1701255	1	1	1	Body
	34	50-1701258	10 ²⁾	10 ²⁾	10 ²⁾	Gasket 0,2 mm
	35	50-1701259	6 ²⁾	6 ²⁾	6 ²⁾	Gasket 0,5 mm
	36	50-1701025-A-01	1	1	1	GB casing
	37	74-1701260	1	1	1	Secondary shaft
	38	74-1721080	1	-	-	Gear
		74-1721080-01	-	1	1	Gear
	39	74-1721028	1	1	1	Bushing

¹⁾ Is delivered as spare part only together with gear 50-2403021-B/-01 as part of assembly unit 50-2403014

²⁾ „Gears of main gear in pair“. Dekitting of coupled gears is not allowed.

²⁾ Max.q-ty Selection

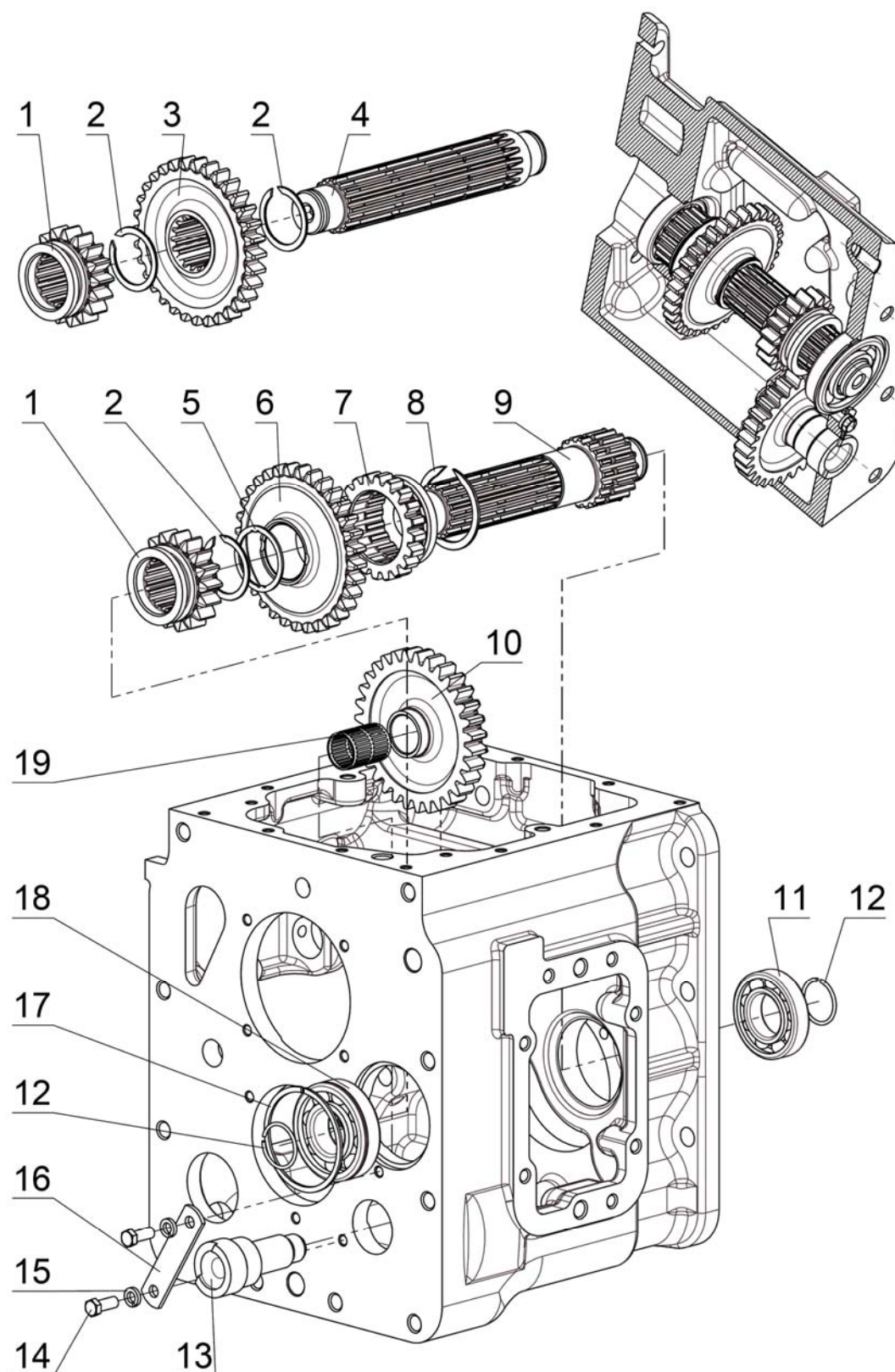


Fig.17.9. First gear and reverse shaft

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

Fig.	Pos.	Designation	Q-ty				Description
			72-1700010-B1/-01/-07/ 74/1021-1700010-01/-05	72-1700010-B1-07 74/1021-1700010-09/-13	72-1700010-B1-03/-04 74/1021-1700010-07	74-1700010-15	
17.9		70-1701380	1	-	1	-	Shaft (1, 2, 5-9, 11, 12)
		50-1701380-A	-	1	-	1	Shaft (1-4, 11, 12)
		70-1701080	1 ¹⁾	1 ¹⁾	-	-	Gear (10, 19)
	1	50-1701212-A	1	1	1	1	Gear
	2	2S50 GOST 13940-86	1	2	1	2	Ring
	3	F50-1701224	-	1	-	1	Gear
	4	50-1701382-A	-	1	-	1	First gear shaft
	5	70-1701226	1	-	1	-	Washer
	6	70-1701224	1	-	1	-	Gear
	7	70-1701072	1	-	1	-	Gear
	8	2S65 GOST 13940-86	1	-	1	-	Ring
	9	70-1701382	1	-	1	-	First gear shaft
	10	70-1701082	1	1	-	-	Gear
	11	208A GOST 8338-75	1	1	1	1	Bearing
	12	XCHM-1701163	2	2	2	2	Ring
	13	50-1701434-A	1	1	-	-	Axle
	14	M10-6g x25.88.35.019 GOST 7796-70	2	2	2	2	Strip
	15	10 OT OST 37.001.115-75	2	2	2	2	Washer
	16	50-1702082-A	1	1	1	1	Strip
	17	90 GOST 2893-82 or 50-1701501	1	1	1	1	Ring
	18	50308AGOST 8338-75/ GOST 2893-82	1	1	1	1	Bearing
	19	3KK30x35x46E TU RB 00234873.003-99	1	1	-	-	Bearing
¹⁾ As spare part is delivered assembly unit 70-1701080-01 «Gear».							

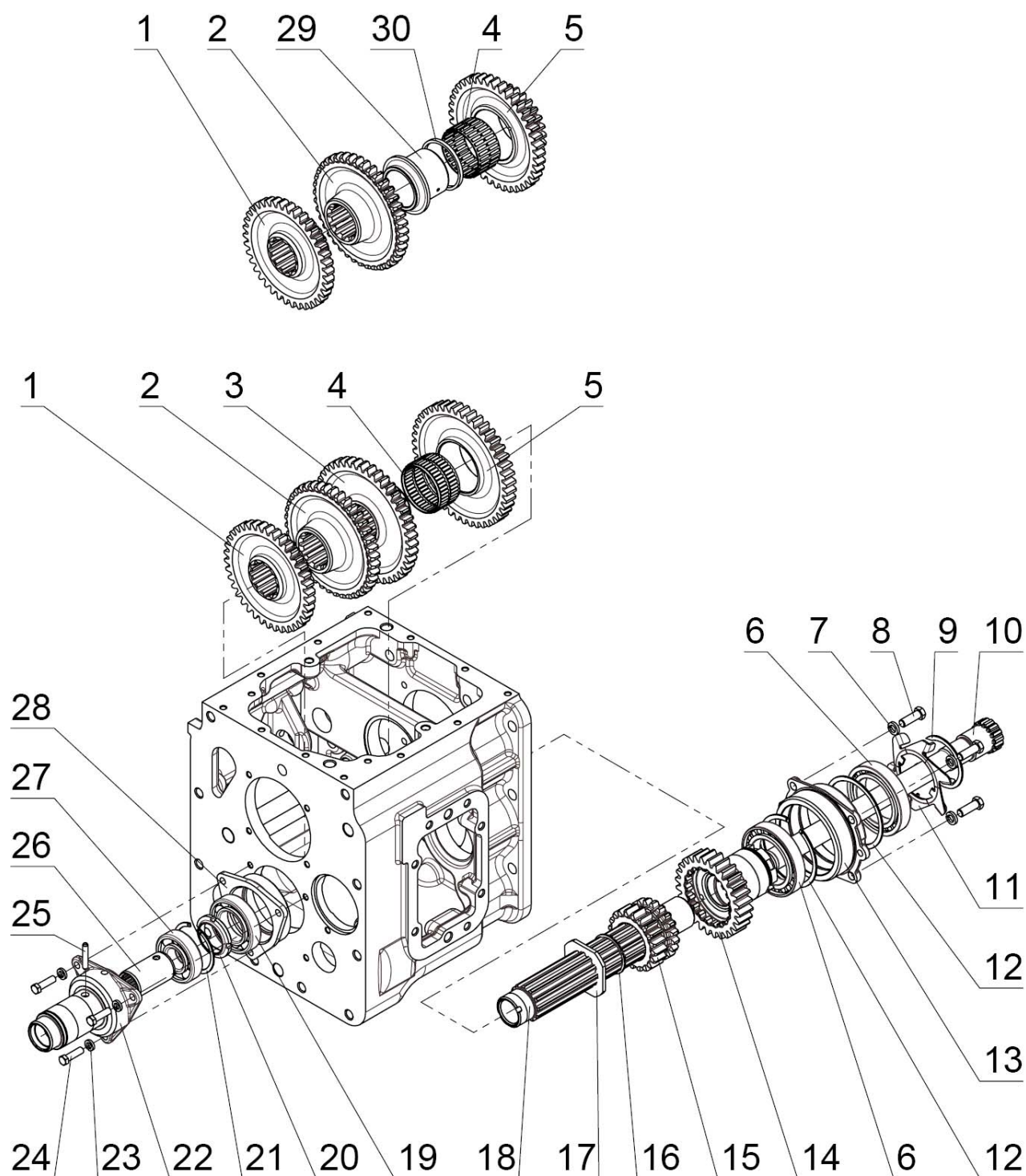


Fig.17.10. Intermediate shaft. Inner shaft

Group 17. Gearbox
Subgroup 1701. Intermediate shaft. Inner shaft

Fig.	Pos.	Designation	Q-ty		Description
			72-1700010-B/-01/ /-03/-04/-07/-08	74/1021-1700010-01/ /-05/-07/-09/-13/-15	
17.10		F50-1701065-A	1 ¹⁾	-	Gear (3-5, 17)
		50-1701190-A	1	1	Gear (6, 9, 11-14)
		50-1701200	1	1	Bearing seat (19, 28)
		70-1701170	1	1	Shaft seat (21, 22, 26, 27)
	1	50-1701218	1	1	Gear
	2	50-1701216	1	1	Gear
	3	50-1701214	1	-	Gear
	4	3KK72x82x45E TU RB 00234873.003-99	1	1	Bearing
	5	F50-1701056-B	1	-	Gear
		74-1701056-B	-	1	Gear
	6	6-12115EMUSH1 GOST 8328-75	2	2	Bearing
	7	12 OT OST 37.001.115-75	4	4	Washer
	8	M12-6g x35.88.35.019 GOST 7796-70	4	4	Bolt
	9	2S75 GOST 13940-86	1	1	Ring
	10	50-1701185	1	1	Inner shaft
	11	50-1701401	1	1	Impeller
	12	2S115 GOST 13941-86	2	2	Ring
	13	50-1701195	1	1	Body
	14	50-1701198-A	1	1	Gear
	15	70-1701196	1	1	Gear
	16	50-1701187	1	1	Limit stop
	17	50-1701183	1	1	Washer
	18	70-1701182-B-01	1	1	Intermediate shaft
	19	60210AUSH1 GOST 7242-81	1	1	Bearing
	20	50-1701181	1	1	Nut
	21	2S80 GOST 13941-86	1	1	Ring
	22	70-1701186	1	1	Front seat
	23	10 OT OST 37.001.115-75	3	3	Washer
	24	M10-6g x35.88.35.019 GOST 7796-70	3	3	Bolt
	25	A.8x45.65G GOST 14229-93	1	1	Spring dowel
	26	50-1701188	1	1	Splined bushing
	27	307A GOST 8338-75	1	1	Bearing
	28	50-1701184	1	1	Bearing seat
	29	74-1701055-B	-	1	Bushing
	30	74-1701057-B or 74-1701057-B1	-	1	Bushing
¹⁾ for spare parts order					

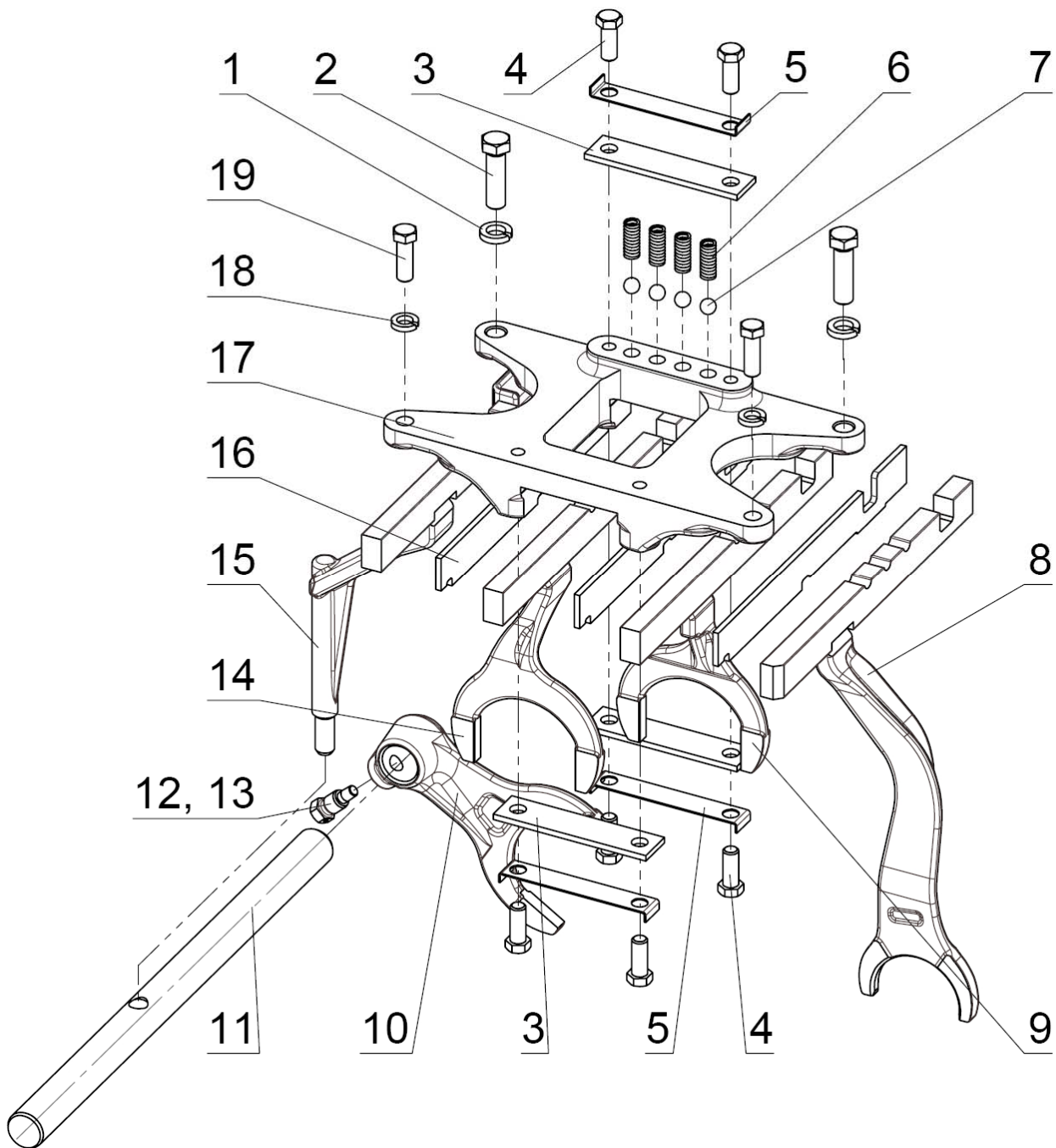


Fig.17.11. Shift forks housing of mechanical GB. Shift forks housing

Group 17. Gearbox
Subgroup 1701. Control mechanism of mechanical GB. Shift forks housing

Fig.	Pos.	Designation	Q-ty	Description
			72-1700010-B1/ /01-03/-04/-07/-08	
17.11		50-1702080-A	1	GB cover (3-8, 9, 14-17)
	1	12OT OST 37.001.115-75	2	Washer
	2	50-1702092	2	Bolt
	3	50-1702081	3	Forks strip
	4	M10-6g x25.88.35.019 GOST 7796-70	6	Bolt
	5	50-1702107-A	3	Locking plate
	6	50-1702148-A	4	Spring
	7	10,0-60 GOST 3722-81	4	Ball
	8	74-1702086	1	Fork
	9	50-1702096	1	Fork
	10	50-1702028	1	Fork
	11	50-1702063	1	Shifter shaft
	12	36-1702110	1	Screw
	13	1,6-O-S GOST 3282-74	1	Wire(L=200 mm)
	14	50-1702116	1	Fork
	15	50-1702095-A1	1	Carrier
	16	50-1702083	3	Locking plate
	17	50-1702085	1	Shift forks housing
	18	10OT OST 37.001.115-75	2	Washer
	19	M10-6g x35.88.35.019 GOST 7796-70	2	Bolt

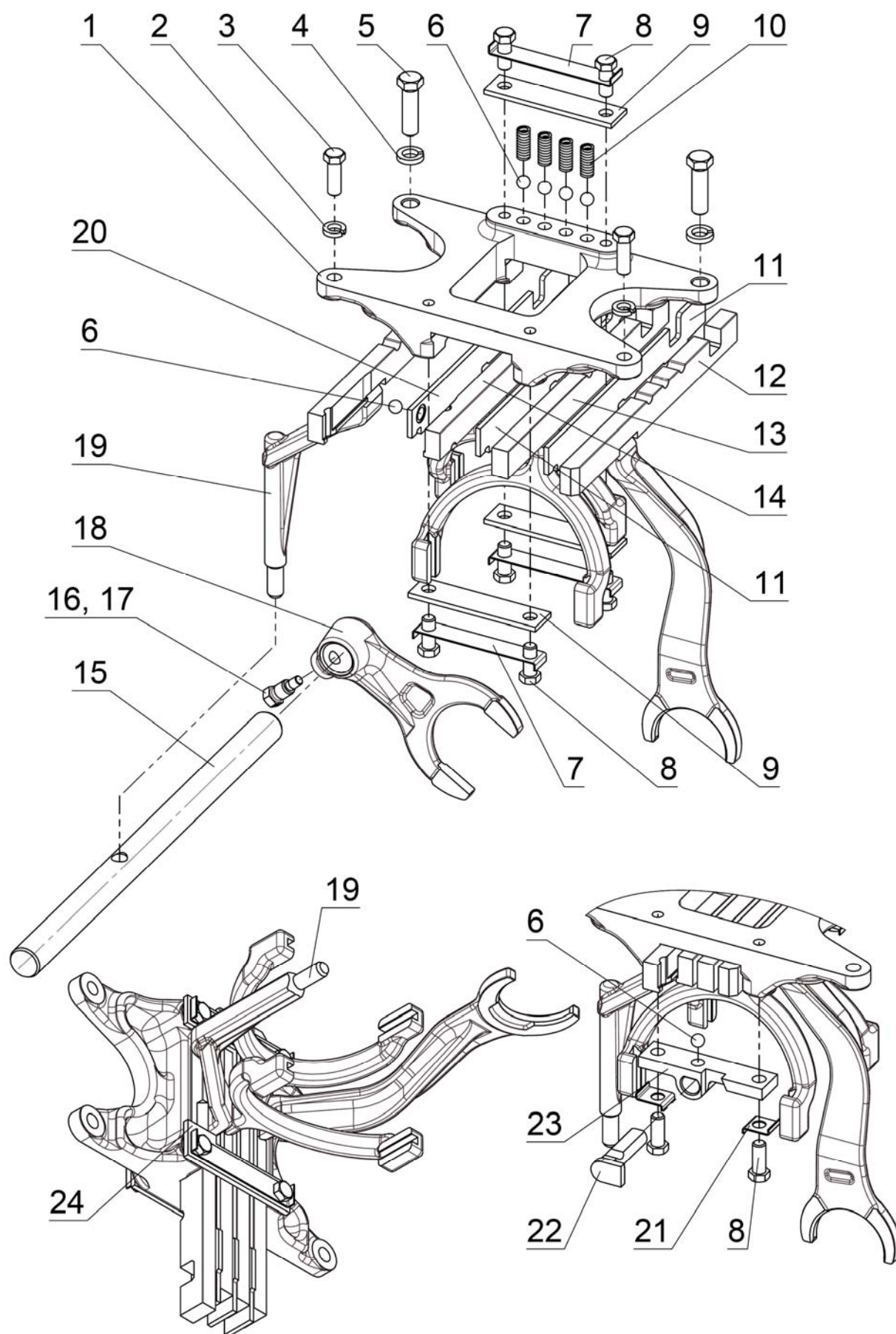


Fig.17.12. Shift forks housing of synchronized GB

Group 17. Gearbox**Subgroup 1701. Control mechanism of synchronized GB. Shift forks housing.**

Fig.	Pos.	Designation	Q-ty				Description
			1021-1700010-01/-05/-09/-13	1021-1700010-07/-15	74-1700010-01/-05/-09/-13	74-1700010-07/-15	
17.12		922-1702080	1	-	-	-	Shift forks housing (1, 6-14, 19, 20, 24)
		922-1702080-02	-	1	-	-	Shift forks housing (1, 6-14, 19- 24)
		74-1702080	-	-	1	-	Shift forks housing (1, 6-14, 19, 20)
		74-1702080-02	-	-	-	1	Shift forks housing (1, 6-14, 19- 23)
	1	50-1702085	1	1	1	1	Shift forks housing
	2	10 OT OST 37.001.115-75	2	2	2	2	Washer
	3	M10-6g x30.88.35.019 GOST 7796-70	2	2	2	2	Bolt
	4	12 OT OST 37.001.115-75	2	2	2	2	Washer
	5	50-1702092	2	2	2	2	Bolt
	6	10,0-60 GOST 3722-81	5	6	5	6	Ball
	7	50-1702107-A	3	2	3	2	Locking plate
	8	M10-6g x25.88.35.019 GOST 7796-70	6	6	6	6	Bolt
	9	50-1702081	2	2	3	3	Fork strip
	10	50-1702148-A	4	4	4	4	Spring
	11	50-1702083	2	2	2	2	Locking plate
	12	74-1702086	1	1	1	1	First gear and reverse gear fork
	13	74-1702116	1	1	1	1	2-nd and 3-rd gear fork
	14	74-1702096	1	1	1	1	4-th (forward) gear fork
	15	50-1702063	1	1	1	1	Shaft
	16	36-1702110	1	1	1	1	Screw
	17	1,6-O-S GOST 3282-74	1	1	1	1	Wire (L=200 mm)
	18	50-1702028	1	1	1	1	Fork
	19	922-1702095	1	1	-	-	Carrier
		74-1702095	-	-	1	1	Carrier
	20	74-1702040	1	1	1	1	Strip
	21	50-1702107	-	2	-	2	Lock washer
	22	74-1702202-01	-	1	-	1	Carrier
	23	74-1702201	-	1	-	1	Housing
	24	74-1702081	1	1	-	-	Strip

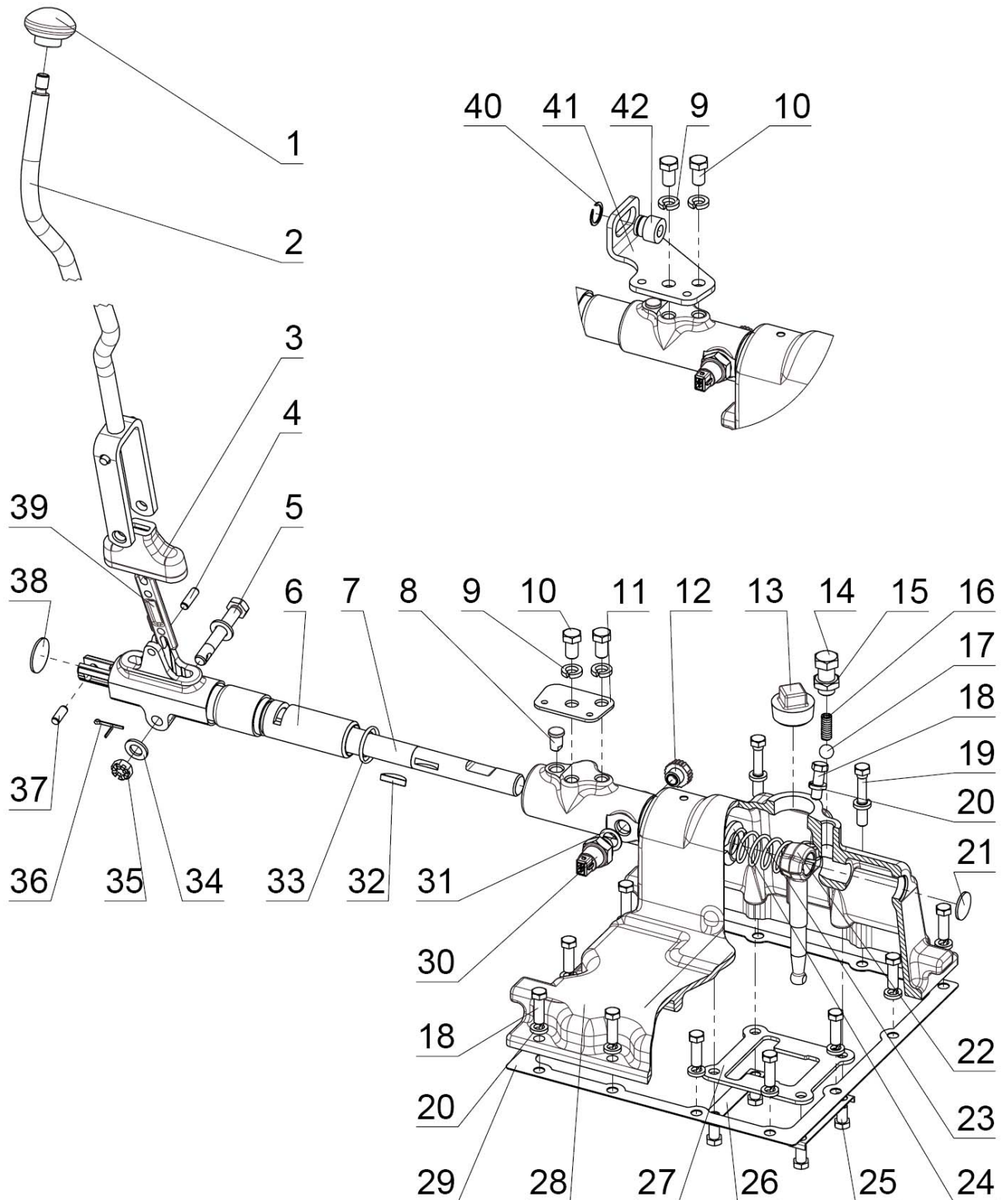


Fig.17.13. Mechanism of right single-lever GB control

Group 17. Gearbox
Subgroup 1703. Mechanism of right single-lever GB control

Fig.	Pos.	Designation	Q-ty				Description
			72-1700010-B1/ /-01/-07/-08	72-1700010-B1-03/ /-04	74-1700010-01/ /-05/-09/-13	74-1700010-07/-15	
17.13		70-1703010-A1-01	1	-	-	-	GB cover (3, 4, 6-10, 12-28, 30-33, 37-42)
		70-1703010-A1-03	-	-	1	-	GB cover(3, 4, 6-10, 12-28, 30-33, 37-42)
		70-1703010-A1-05	-	1	-	-	GB cover (3, 4, 6-10, 12-28, 30-33, 37-42)
		70-1703010-A1-07	-	-	-	1	GB cover (3, 4, 6-10, 12-28, 30-33, 37-42)
		70-1703200-B	1	1	1	1	Support (3, 4, 6, 7, 37-39)
		70-1703225-A	1 ¹⁾	1 ¹⁾	1 ¹⁾	1 ¹⁾	Lever (1, 2, 5, 34-36)
		952-1703225	1 ²⁾	1 ²⁾	1 ²⁾	1 ²⁾	Lever (1, 2, 5, 34-36)
		952-1802030	1	1	1	1	Bracket (40-42)
	1	70-1702125	1	1	1	1	Handle
	2	70-1703220-A	1 ¹⁾	1 ¹⁾	1 ¹⁾	1 ¹⁾	Lever
		952-1703220	1 ²⁾	1 ²⁾	1 ²⁾	1 ²⁾	Lever
	3	70-1703203-A	1	1	1	1	Boot
	4	SHTSK 8x25	1	1	1	1	Dowel
	5	50-2403034-01	1	1	1	1	Bolt
	6	70-1703210-B	1	1	1	1	Support
	7	70-1703201-B-01	1	1	1	1	Shaft
	8	70-1703205	1	1	1	1	Stop member
	9	12 OT OST 37.001.115-75	2	2	2	2	Washer
	10	M12-6g x20.88.35.019 GOST 7796-70	2	2	2	2	Bolt
	11	80-3503048	-	-	-	-	Bracket
	12	70-1702053	1	1	1	1	Plug
	13	PK KG 1 1/4"	1	1	1	1	Plug
	14	70-1703204	1	1	1	1	Bolt
	15	M16-6H.04.019 GOST 5916-70	1	1	1	1	Nut
	16	50-1702148-A	1	1	1	1	Spring
	17	13,8-60	1	1	1	1	Ball
	18	M10-6g x30.88.35.019 GOST 7796-70	11	11	11	11	Bolt
	19	M10-6g x60.88.35.019 GOST 7795-70	2	2	2	2	Bolt
	20	10 OT OST 37.001.115-75	13	13	13	13	Washer
	21	28-10кР.TS9.chr GOST 3111-81	1	1	1	1	Blind plug
	22	70-1703011	1	1	1	1	Lever
	23	70-1703057	1	1	1	1	Spring
	24	70-1703058	1	1	1	1	Washer
	25	M10-6g x18.88.35.019 GOST 7796-70	4	4	4	4	Bolt
	26	50-1702107-A	2	2	2	2	Locking plate
	27	70-1703084	1	-	-	-	Plate
		R70-1703084	-	1	-	-	Plate
		74-1703084	-	-	1	-	Plate
		R74-1703084	-	-	-	1	Plate

¹⁾ Hydraulic system distributor on oil tank

²⁾ Hydraulic system distributor control with joystick

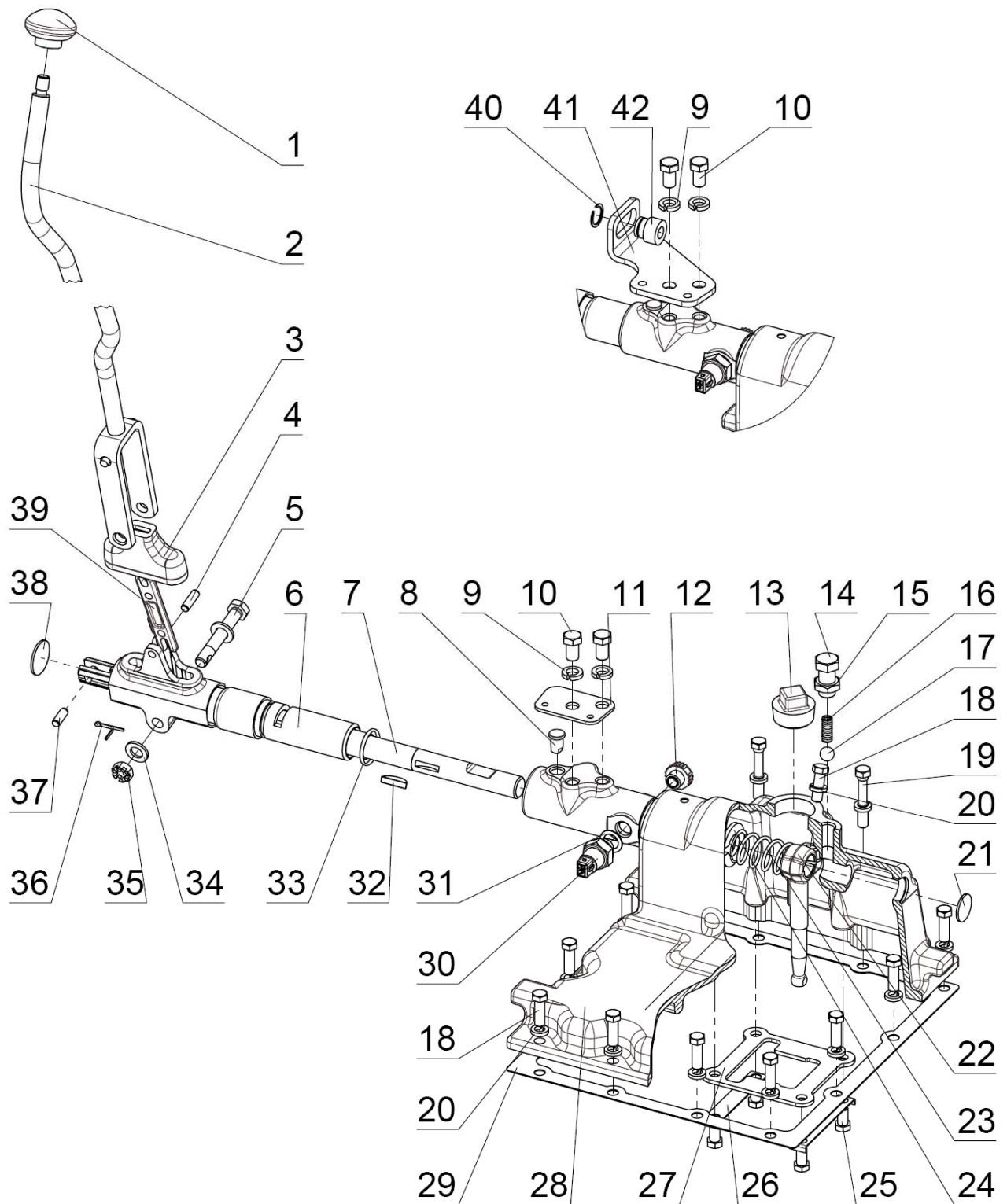


Fig.17.13. Mechanism of right single-lever GB control

Group 17. Gearbox
Subgroup 1703. Mechanism of right single-lever GB control

Fig.	Pos.	Designation	Q-ty				Description
			72-1700010-B1/ /-01/-07/-08	72-1700010-B1-03/ /-04	74-1700010-01/ /-05/-09/-13	74-1700010-07/-15	
17.13	28	70-1703025-B	1	1	1	1	Cover
	29	50-1702026	1	1	1	1	Gasket
	30	VK 12-51 TU RB 37334210.004-97 or 151.3710 TU BY 700091832.018-2009	1	1	1	1	Start lock switch
	31	50-1702048	3 ³⁾	3 ³⁾	3 ³⁾	3 ³⁾	Shim washer
	32	SSH-611	1	1	1	1	Key
	33	030-034-25-1-4 GOST 18829-73/ GOST 9833-73	1	1	1	1	Ring
	34	S12.01.019 GOST 6958-78	2	2	2	2	Washer
	35	M12-6H.04.019 GOST 5919-73	1	1	1	1	Nut
	36	3,2x25.019 GOST 397-79	1	1	1	1	Split pin
	37	SHTSK 8x20	1	1	1	1	Dowel
	38	35-10cl..TS9.chr GOST 3111-81	1	1	1	1	Blind plug
	39	70-1703202-A	1	1	1	1	Carrier
	40	S20 GOST 13940-86	1	1	1	1	Ring
	41	952-1802031-A	1	1	1	1	Bracket
	42	952-1802032	1	1	1	1	Bushing
³⁾ Max.q-ty Selection							

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Group 17. Gearbox
Subgroup 1703. Double-lever control of synchronized GB

Fig.	Pos.	Designation	Q-ty		Description
			1021-1700010-01/ -05/09/-13	1021-1700010-07/-15	
17.14		920-1702010	1	-	GB control (1-18, 23-34, 38-46)
		920-1702010-04	-	1	GB control (1-18, 23-34, 38-46)
		920-1702090	1	1	Housing (1-18, 23, 24, 27, 30, 45, 46)
		920-1702050-A	1	1	Lever (20-22, 47)
		920-1702060	1 ¹⁾	1 ¹⁾	Lever (19, 21, 22, 47)
		952-1702060	1 ²⁾	1 ²⁾	Lever (19, 21, 22, 47)
	1	922-1702021	2	2	Bolt
	2	50-1702107	2	2	Plate
	3	922-1702017	1	1	Lever
	4	920-1702020	1	1	Shaft
	5	M12-6H.04.019 GOST 5919-73	1	1	Nut
	6	3,2x18.019 GOST 397-79	3	3	Split pin
	7	80-1702108	1	1	Bolt
	8	922-1702018	1	1	Fork
	9	12x32 OST 37.001.163-75	2	2	Pin
	10	80S-1702074	2	2	Fork
	11	77.37.117	2	2	Spring
	12	142-1702032	2	2	Sphere
	13	V.M6-6g x20.58.019 GOST 17473-80	4	4	Screw
	14	6TOST 37.001.115-75	5	5	Washer
	15	920-1702023	1	1	Cover
	16	922-1702024	1	1	Gasket
	17	922-1702011-01	1	1	Housing
	18	922-1702019	1	1	Boot
	19	920-1702040	1 ¹⁾	1 ¹⁾	Lever
		952-1702040	1 ²⁾	1 ²⁾	Lever
	20	920-1702030-A	1	1	Lever
	21	10 OT OST 37.001.115-75	11	11	Washer
	22	M10-6g x30.88.35.019 GOST 7796-70	11	11	Bolt
	23	SHTSK 10x25	4	4	Dowel
	24	922-1702026	2	2	Gasket
	25	VK 12-41 TU RB 37334210.015-97	1	1	Switch
	26	923-1702023	-	-	Blind plug
	27	920-1702012	1	1	Spacer
	28	922-1702025	1	1	Cover
	29	50-1701130	1	1	Breather
	30	V.M6-6g x50.58.019 GOST 17473-80	1	1	Screw
	31	S12.01.019 GOST 11371-78	2	2	Washer
	32	920-1702313	1	1	Spring
	33	50-1702048	3 ³⁾	3 ³⁾	Shim washer
	34	920-1702314	1	1	Screw
¹⁾ Hydraulic system distributor on oiltank ²⁾ Hydraulic system distributor control with joystick ³⁾ Max.q-ty. Selection					

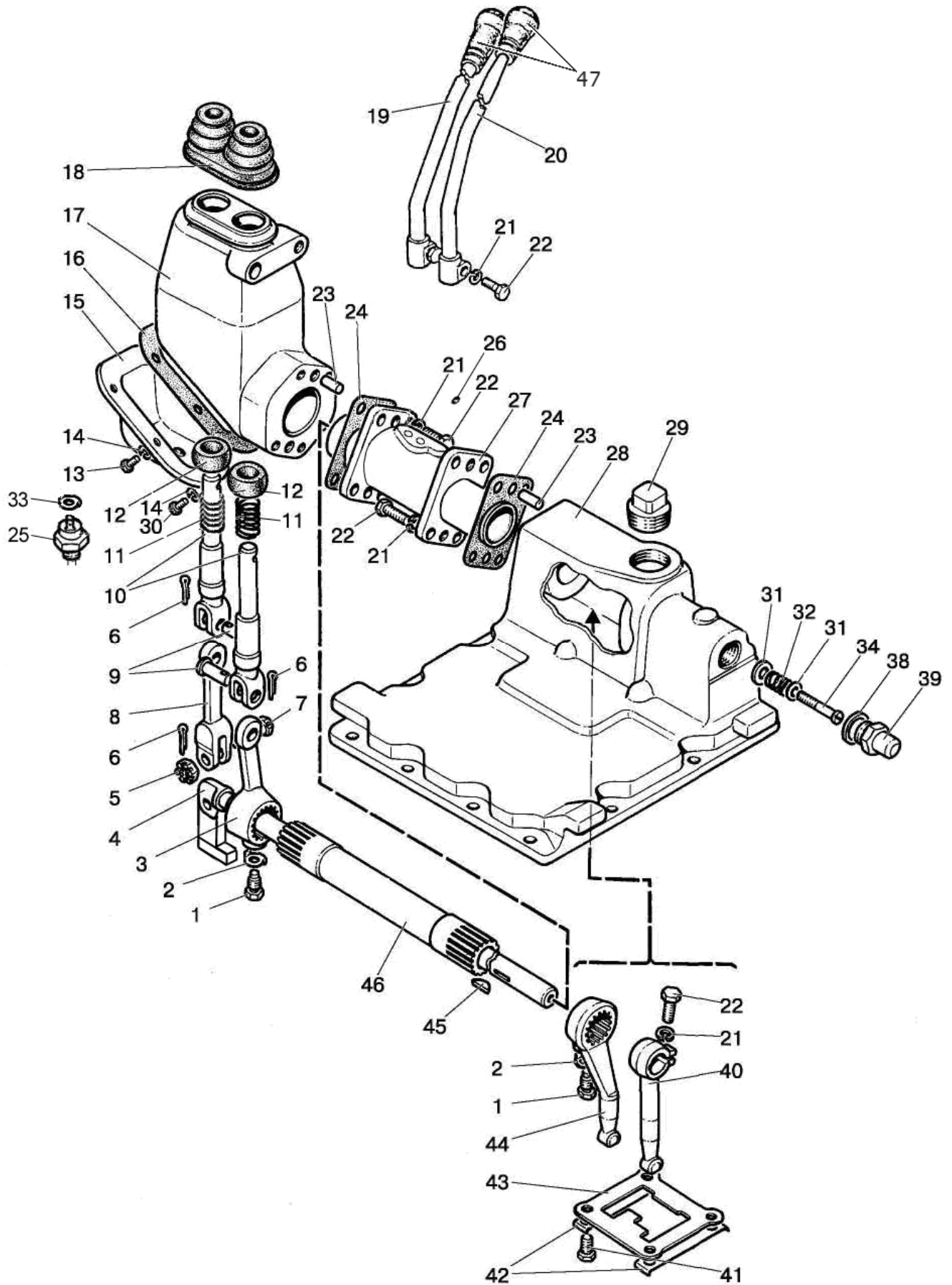


Fig.17.14. Double-lever control of synchronized GB

Group 17. Gearbox
Subgroup 1701. Double-lever control of synchronized GB

Fig.	Pos.	Designation	Q-ty		Description
			1021-1700010-01/ /-05/-09/-13	1021-1700010-07/-15	
17.14	38	80-1702098	1	1	Washer
	39	80S-1702302	1	1	Housing
	40	70-1703011	1	1	Lever
	41	M10-6gx18.88.35.019 GOST 7796-70	4	4	Bolt
	42	50-1702107-A	2	2	Locking plate
	43	922-1702084	1	-	Plate
		R922-1702084	-	1	Plate
	44	920-1702016	1	1	Lever
	45	SSH-611	1	1	Key
	46	920-1702015	1	1	Pipe
	47	A15.05.020	2	2	Handle

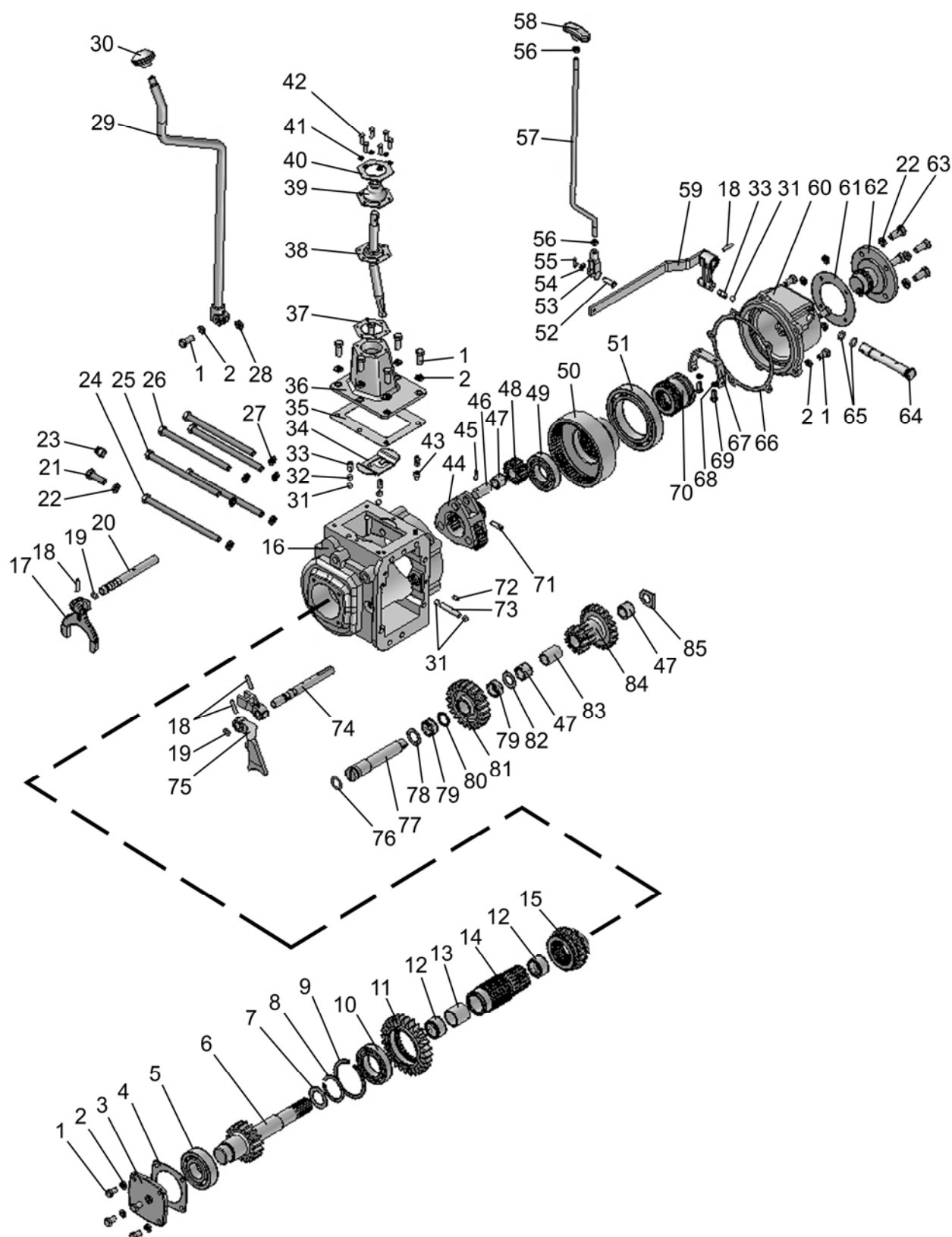


Fig. 17.15. Mechanical creeper

Group 17. Gearbox
Subgroup 1742. Mechanical creeper

Fig.	Pos.	Designation	Q-ty	Description
17.15		102-1742010	1	Mechanical creeper (1-85)
		102-1742020	1	Carrier (44-48)
		102-1742040	1	Sun gear (8-14)
		102-1742050	1	Crown gear (49-51)
		102-1742060	1	Cover (59-65, 67-70)
		102-1745010	1	Cover (36-42)
		102-1745050	1	Rod (53, 56, 57)
	1	M10-6gx30.88.35.019 GOST 7796-70	10	Bolt
	2	10 OT OST 37.001.115-75	16	Washer
	3	102-1742012	1	Cover
	4	102-1742013	1	Gasket
	5	308 GOST 8338-75	1	Bearing
	6	102-1742037	1	Gear shaft
	7	102-1742014	1	Washer
	8	2S55 GOST 13940-86	1	Ring
	9	2S90 GOST 13941-86	1	Ring
	10	111 GOST 8338-75	1	Bearing
	11	102-1742042	1	Gear
	12	942/35 GOST 4060-78	2	Bearing
	13	102-1742043	1	Bushing
	14	102-1742041	1	Gear shaft
	15	102-1742036	1	Gear
	16	102-1742015	1	Housing
		102-1742015-01 ¹⁾	1	Housing
	17	102-1745004	1	Fork
	18	6x30 GOST 10773-80	4	Dowel
	19	012-016-25-2-4 GOST 18829-73/GOST 9833-73	2	Ring
	20	102-1745007	1	Shaft
	21	M12-6gx35.88.35.019 GOST 7796-70	1	Bolt
	22	12 OT OST 37.001.115-75	5	Washer
	23	PK KG 3/8"	1	Plug
	24	M12-6gx220.88.35.019 GOST 7796-70	2	Bolt
	25	102-1742039	2	Bolt
	26	M12-6gx200.88.35.019 GOST 7796-70	2	Bolt
	27	70-1741036	6	Washer
	28	70-1723053	1	Key
	29	102-1745040	1	Lever
	30	70-1702125	1	Handle
	31	9,922-60 GOST 3722-81	3	Ball
	32	102-1742016	2	Threaded rivet nut
	33	50-1702148-A	4	Spring
	34	102-1745001	1	Gate
	35	102-1745008	1	Gasket
	36	102-1745011	1	Cover
	37	102-1745014	1	Gasket
	38	102-1745020	1	Lever
	39	102-1745013	1	Boot
	40	102-1745012	1	Plate
	41	6T OST 37.001.115-75	6	Washer
	42	M6-6gx20.58.35.019 GOST 7798-70	6	Bolt
	43	102-1745009	1	Dowel
	44	102-1742021	1	Carrier
	45	A.4x30.65G chem.phosph.oil. GOST 14229-93	3	Dowel

¹⁾ for hydraulic creeper

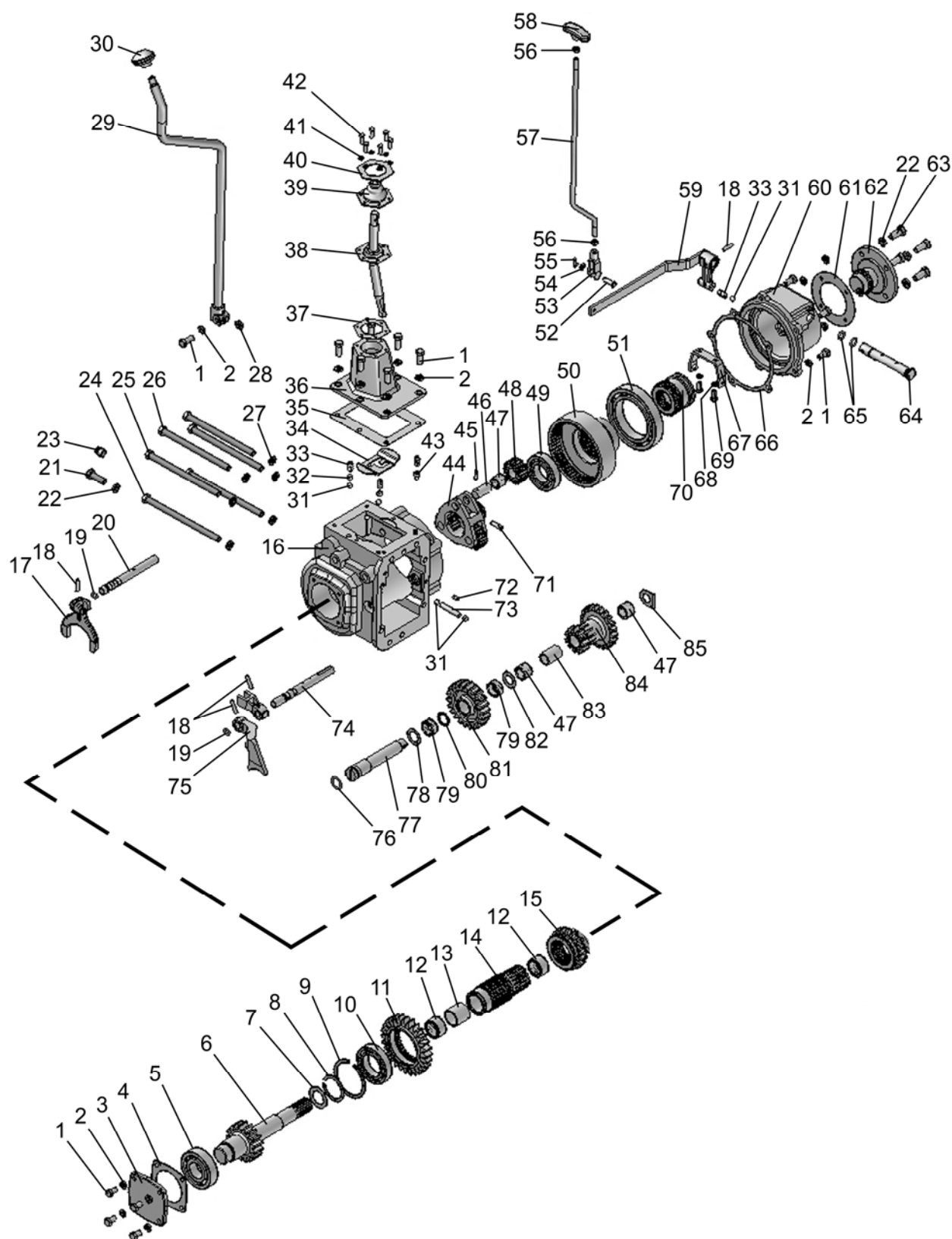


Fig. 17.15. Mechanical creeper

Group 17. Gearbox
Subgroup 1742. Mechanical creeper

Fig.	Pos.	Designation	Q-ty	Description
17.15	46	80-1743026	3	Planet gear shaft
	47	3x23,8 A3 GOST 6870-81	134	Roller
	48	102-1742022	3	Planet gear
	49	209 A GOST 8338-75	1	Bearing
	50	102-1742051	1	Crown gear
	51	120 GOST 8338-75	1	Bearing
	52	8x30 OST 37.001.163-97	1	Pin
	53	A20-213-A	1	Fork
	54	S.8.01.019 GOST 11371-78	1	Washer
	55	3,2x18.019 GOST 397-79	1	Split pin
	56	M8-6H.6.019 GOST 5915-70	2	Nut
	57	102-1745051	1	Rod
	58	A.13.28.000	1	Handle
	59	102-1742080	1	Lever
	60	102-1742063	1	Cover
		102-1742063-01 ¹⁾	1	Cover
	61	102-1742066	1	Gasket
	62	102-1742061 ²⁾	1	Cover
	63	M12-6gx25.88.35.019 GOST 7796-70	4	Bolt
	64	102-1742065	1	Shaft
	65	016-020-25-2-2 GOST 18829-73/GOST9833-73	2	Ring
	66	102-1742011	1	Gasket
	67	102-1742070	1	Fork
	68	8T OST 37.001.115-75	2	Washer
	69	M8-6gx20.88.35.019 GOST 7796-70	2	Bolt
	70	102-1742062	1	Coupling
	71	A.8x45.65G GOST 14229-93	1	Dowel
	72	102-1742017	1	Dowel
	73	102-1742001	1	Dowel
	74	102-1745005	1	Shaft
	75	102-1745002	1	Fork
	76	025-030-30-2-2 GOST 18829-73/GOST9833-73	1	Ring
	77	80-1743031	1	Axle
	78	102-1742038-01	1	Washer
	79	3x15,8 A3 GOST 6870-81	56	Roller
	80	80-1742039	1	Ring
	81	80-1743037-B	1	Idler pinion
	82	102-1742038	1	Washer
	83	102-1742029	1	Bushing
	84	102-1742031	1	Drive gear
	85	102-1742018	1	Washer
¹⁾ for hydraulic creeper				
²⁾ only for mechanical creeper				

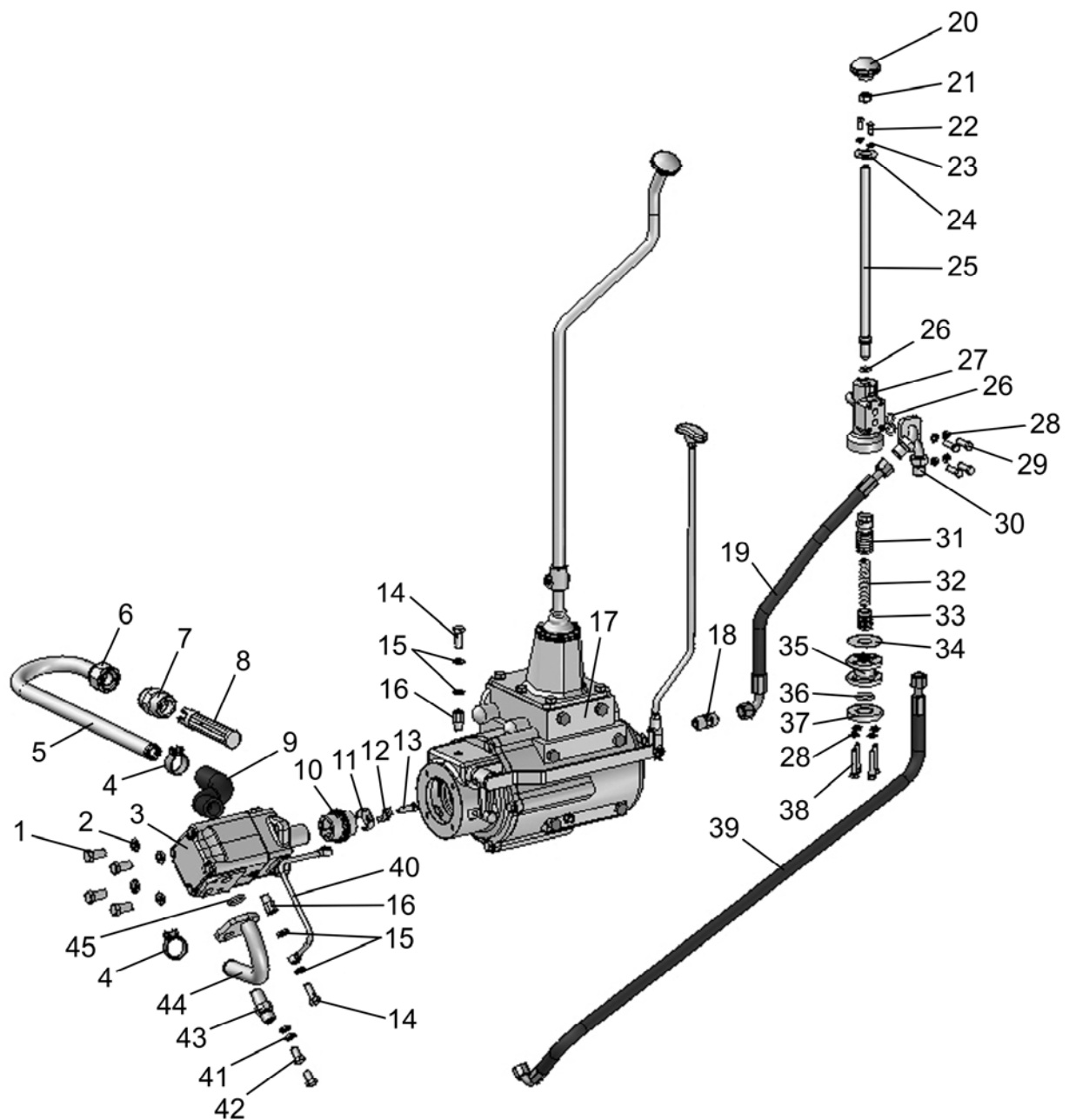


Fig. 17.16. Hydraulic creeper

Group 17. Gearbox
Subgroup 1742. Hydraulic creeper

Fig.	Pos.	Designation	Q-ty	Description
17.16		102-1742005	1	Hydraulic creeper (1-45)
		102-1742190	1	Throttle (20-38)
		70-1742040-B	1	Suction bell (7, 8)
	1	M12-6gx35.88.35.019 GOST 7796-70	4	Bolt
	2	12 OT OST 37.001.115-75	4	Washer
	3	MGP-160	1	Planetary hydraulic engine
	4	"NORMA" TORRO 25-40/9-C6W	2	Clamp
	5	70-1742055	1	Pipeline
	6	70-1742058	1	Nut
	7	70-1742041-B	1	Housing
	8	70-1742045	1	Filter
	9	142-1742076	1	Hose
	10	102-1742024	1	Bushing
	11	102-1742023	1	Washer
	12	102-1742019	1	Lock washer
	13	M8-6gx20.88.35.019 GOST 7796-70	1	Bolt
	14	36-1104787	2	Fitting bolt
	15	36-1104788	4	Gasket
	16	70-4607142	2	Fitting
	17	102-1742010-01	1	Mechanical creeper (1-61, 64-85 (Fig. 17.10))
	18	70-3506022	1	Fitting
	19	680-4607140-05	1	High-pressure hose Ø10x1 reinforced
	20	70-1702125	1	Handle
	21	M12x1,25-6H.6.019 GOST 5915-70	1	Nut
	22	M6-6gx12.88.35.019 GOST 7798-70	2	Bolt
	23	6T OST 37.001.115-75	2	Washer
	24	102-1742175	1	Limiter
	25	102-1742179	1	Rod
	26	014-018-25-2-2 GOST 18829-73/GOST 9833-73	3	Ring
	27	8T OST 37.001.115-75	8	Washer
	28	M8-6gx25.88.35.019 GOST 7796-70	4	Bolt
	29	102-1742190	1	Connecting pipe
	30	102-1742178	1	Valve
	31	142-1742207	1	Spring
	32	102-1742176	1	Piston
	33	102-1742177	1	Gasket
	34	102-1742172	1	Spacer
	35	029-032-19-2-2 GOST 18829-73/GOST 9833-73	1	Ring
	36	102-1742174	1	Cover
	37	M8-6gx60.88.35.019 GOST 7796-70	4	Bolt
	38	680-4607140-14	1	High-pressure hose Ø10x1 reinforced
	39	102-1742160	1	Pipeline
	40	10 OT OST 37.001.115-75	2	Washer
	41	M10-6gx20.88.35.019 GOST 7796-70	2	Bolt
	42	102-1742073	1	Fitting
	43	142-1742070	1	Flange
	44	025-030-30-2-2 GOST 18829-73/GOST9833-73	1	Ring

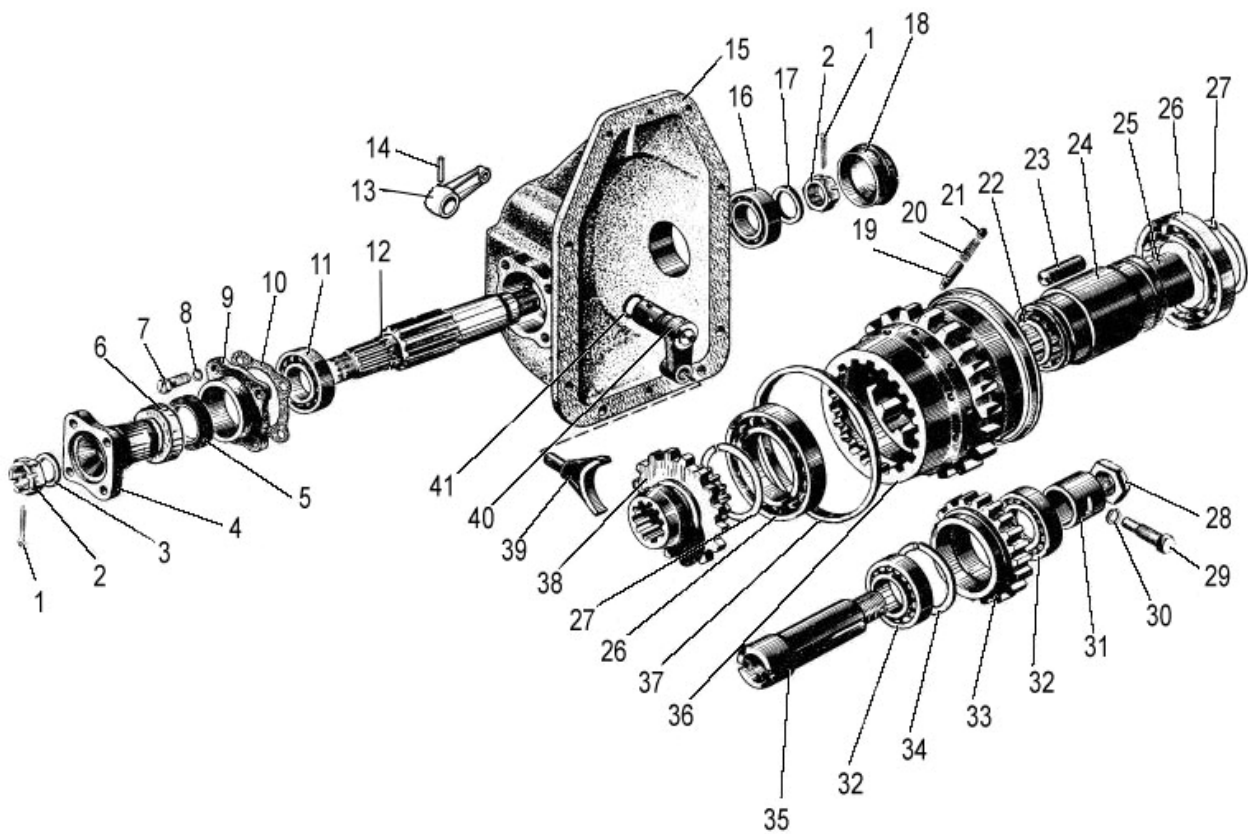


Fig.18.1. Transfer gearbox

**Group 18. Transfer gearbox
Subgroup 1802. Transfer gearbox**

Fig.	Pos.	Designation	Q-ty	Description
18.1		72-1802020	1	Transfer gearbox (1-27,36-41)
		72-1802060	1	Gear with overrunning clutch (19-21,23-27,36,37)
		72-1802062-A1	1	Bushing (24,25)
		52-1802094RH	1	Axle (28,35)
		52-1802095-B	1	Idler pinion (32-34)
		52-1802100-A	1	Housing (5,6,9)
		52-1802110-A	1	Rollers set (19-21,24)
		72-1802125RB	1	Gear (12,19-27,36-38)
	1	4x25.019 GOST 397-79	2	Split pin
	2	70-3003032	2	Nut
	3	52-1802079	1	Washer
	4	52-1802078-A	1	Flange
	5	2.2-38x58-1 GOST 8752-79/OST 3805146-78	1	Collar
	6	72-1802108	1	Cage
	7	M8-6gx25.88.35.019 GOST 7796-70	4	Bolt
	8	8T OST 37.001.115-75	4	Washer
	9	52-1802073	1	Housing
	10	52-1802074	1	Gasket
	11	306A GOST 8338-75	1	Bearing
	12	72-1802063	1	Shaft
	13	72-1802082	1	Lever
	14	A.10x40.65G chem.phosph.oil. GOST 14229-93	1	Dowel
	15	52-1602065-A	1	Housing
	16	305A GOST 8338-75	1	Bearing
	17	72-1802064	1	Washer
	18	52-1802076	1	Cover
	19	52-1802069-B	16	Dowel
	20	52-1802066-A	16	Spring
	21	52-1802111	16	Plug
	22	70-1601082	2	Washer
	23	52-1802077 or 52-1802077RH	8 8	Roller Roller
	24	72-1802131-B	1	Bushing
	25	943/30 GOST 4060-78	2	Bearing
	26	115K5 GOST 8338-75	2	Bearing
	27	52-1802102-A	2	Ring
	28	52-1802128	1	Nut
	29	52-1802093	1	Screw
	30	12 OT OST 37.001.115-75	1	Washer
	31	52-1802092-B	1	Bushing
	32	7306A GOST 27365-87	2	Bearing
	33	52-1802091	1	Gear
	34	52-1802097-A	1	Ring
	35	52-1802094	1	Axle
	36	52-1802061-A	1	Gear
	37	52-1802067	2	Cage
	38	72-1802068	1	Coupling
	39	52-1802084	1	Fork
	40	52-1802080-B1	1	Shaft with lever
	41	020-025-30-1-4 GOST 18829-73/9833-73	1	Ring

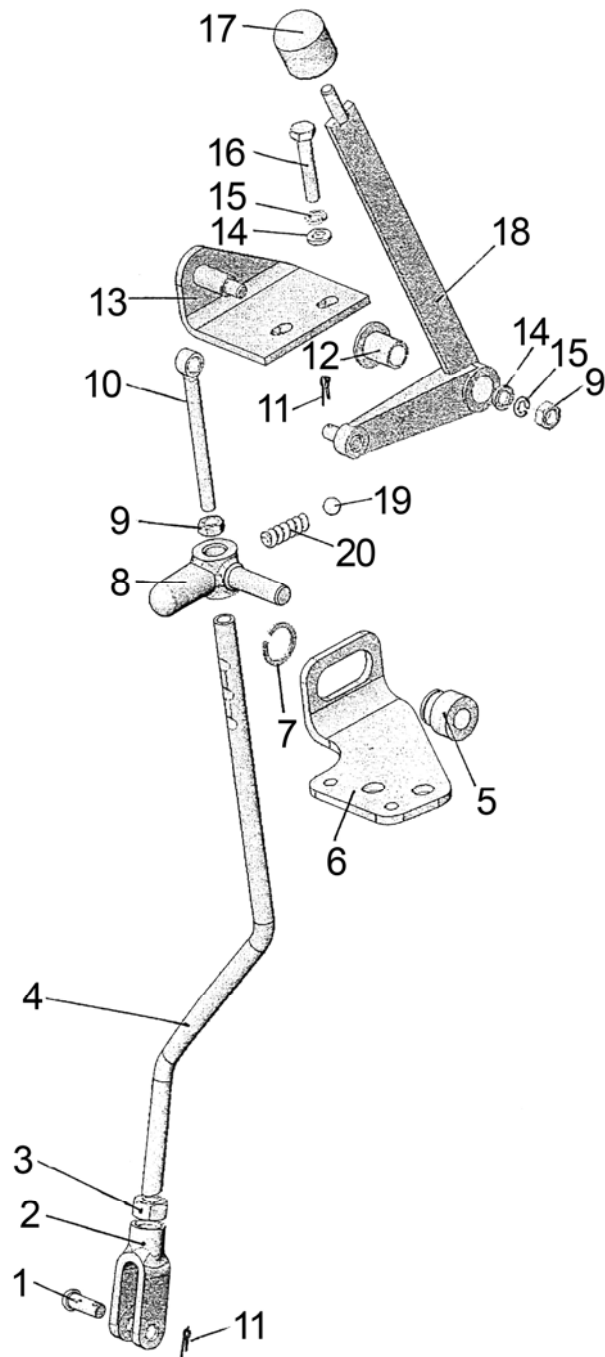


Fig.18.2. Transfer gearbox control (for single-lever GB)

Group 18. Transfer gearbox
Subgroup 1802. Transfer gearbox control
(for single-lever GB)

Fig.	Pos.	Designation	Q-ty	Description
18.2		952-1802010		Transfer gearbox control
		952-1802025	1	Rod (4,8,19,20)
		952-1802030	1	Bracket (5-7)
	1	8x30 OST 37.001.163-75	1	Pin
	2	952-1802012	1	Fork
	3	M12x1,25-6H.6.019 GOST 5915-70	1	Nut
	4	952-1802026	1	Rod
	5	952-1802032	1	Bushing
	6	952-1802031-A	1	Bracket
	7	S20 GOST 13940-86	1	Ring
	8	952-1802027	1	Guide
	9	M8-6H.6.019 GOST 5915-70	2	Nut
	10	952-1802011	1	Rod
	11	3,2x18.019 GOST 397-79	2	Split pin
	12	50-4607082-A	1	Bushing
	13	952-1802020	1	Bracket
	14	S 8.01.019 GOST 6958-78	3	Washer
	15	8T OST 37.001.115-75	3	Washer
	16	M8-6gx30.88.35.019 GOST 7796-70	2	Bolt
	17	A13.11.000	1	Handle
	18	952-1802015	1	Lever
	19	10,0-60 GOST 3722-81	1	Ball
	20	50-1702148-A	1	Spring

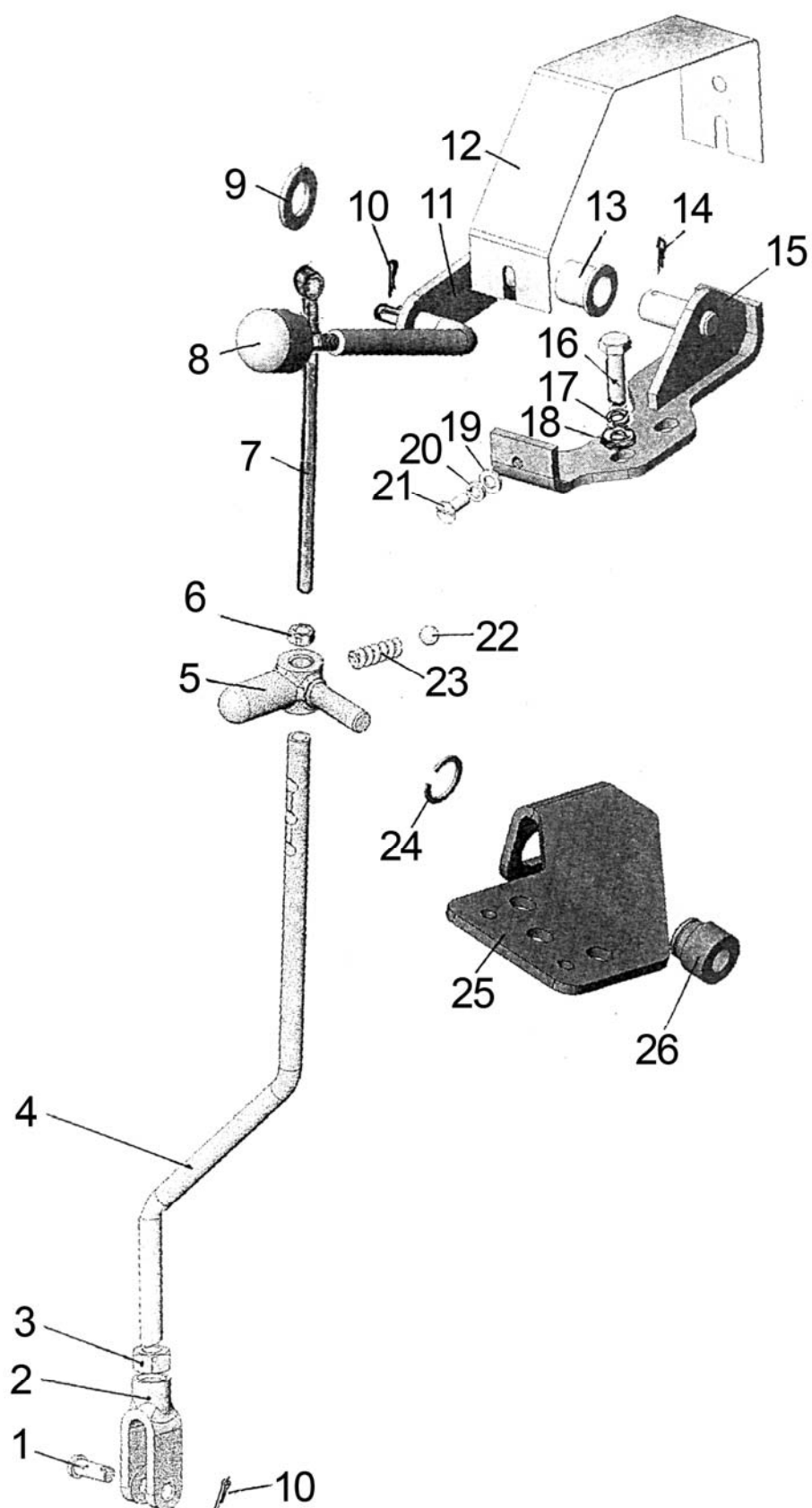


Fig.18.3. Transfer gearbox control (for double-lever GB)

Group 18. Transfer gearbox
Subgroup 1802. Transfer gearbox control
(for double-lever GB)

Fig.	Pos.	Designation	Q-ty	Description
18.3	1	8x30 OST 37.001.163-75	1	Pin
	2	952-1802012	1	Fork
	3	M12x1,25-6H.6.019 GOST 5915-70	1	Nut
	4	920-1802026	1	Rod
	5	952-1802027	1	Guide
	6	M8-6H.6.019 GOST 5915-70	1	Nut
	7	952-1802011	1	Rod
	8	A13.11.000	1	Handle
	9	S 14.01.019 GOST 11371-78	1	Washer
	10	3,2x18.019 GOST 397-79	2	Split pin
	11	920-1802015	1	Lever
	12	920-1802012	1	Casing
	13	70-4605308-B	1	Bushing
	14	3,2x20.019 GOST 397-79	1	Split pin
	15	920-1802020	1	Bracket
	16	M8-6gx35.88.35.019 GOST 7796-70	2	Bolt
	17	8T OST 37.001.115-75	2	Washer
	18	S 8.01.019 GOST 6958-78	2	Washer
	19	S.6.01.019 GOST 6958-78	2	Washer
	20	6T OST 37.001.115-75	2	Washer
	21	V.M6-6gx14.58.019 GOST 17473-80	2	Screw
	22	10,0-60 GOST 3722-81	1	Ball
	23	50-1702148-A	1	Spring
	24	S20 GOST 13940-86	1	Ring
	25	920-1802031-A	1	Bracket
	26	952-1802032	1	Bushing

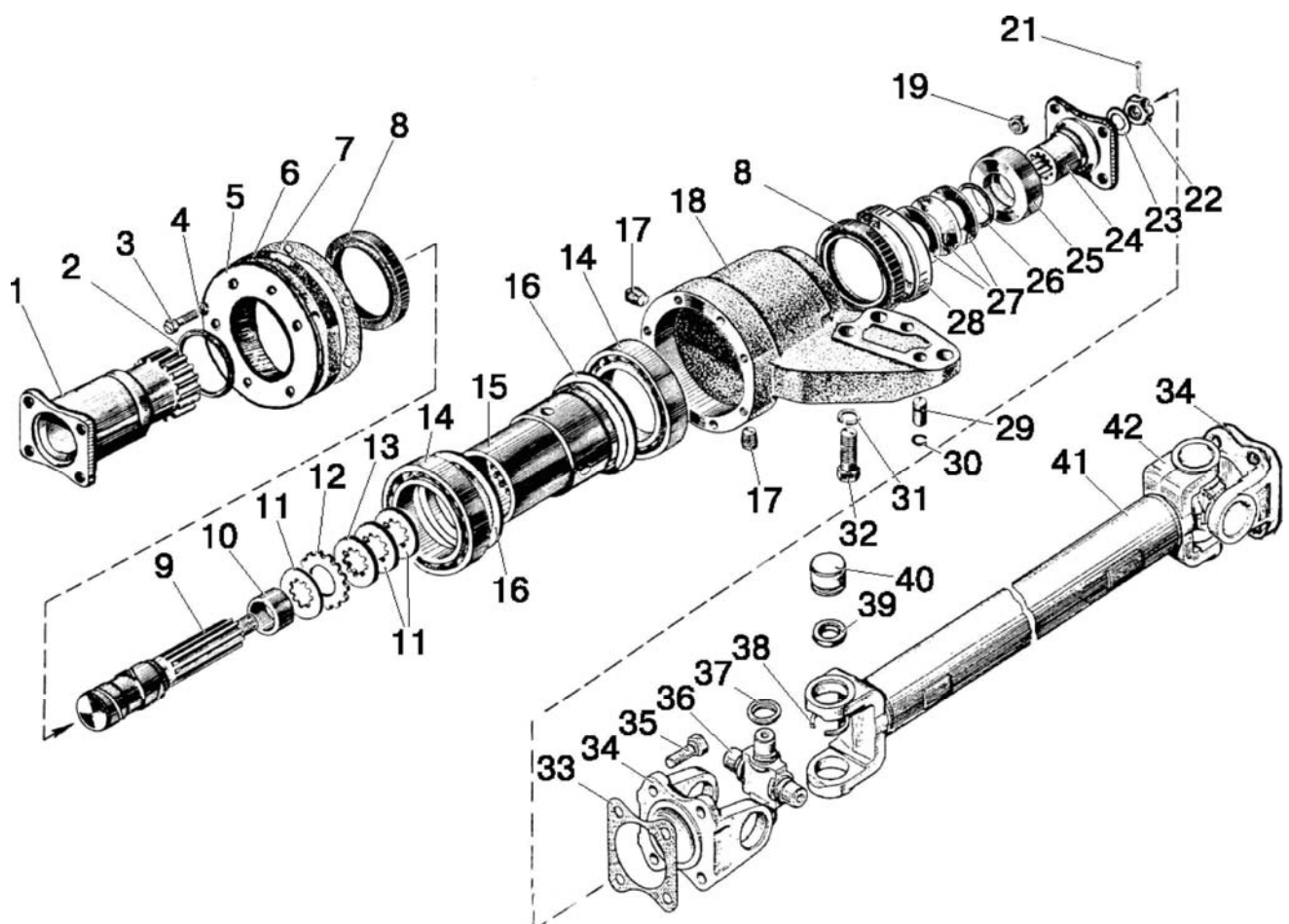


Fig. 22.1. Cardan shaft. Cardan shaft centre bearing

Group 22. Cardan drive
Subgroup 2203, 2209. Cardan shaft. Cardan shaft centre bearing

Fig.	Pos.	Designation	Q-ty	Description
22.1		72-2203010-A2 ¹⁾ or 72-2203010-A3 ²⁾	2	Front and intermediate cardan shaft (34, 36-42)
		72-2203025RH	4	Universal-joint cross with glands and bearings (36, 37, 39, 40)
		72-2209100	1	Gland seal housing (6, 8)
		72-2209010-A	1	Centre bearing (1-18, 21-30)
	1	72-2209014	1	Flange
	2	055-065-58-1-4 GOST 18829-73/9833-73	1	Ring
	3	8-6gx30.88.35.019 GOST 7796-70	5	Bolt
	4	8T OST 37.001.115-75	5	Washer
	5	72-2209028	1	Mud collector
	6	72-2209022	1	Housing
	7	72-2209023	1	Gasket
	8	BAUM5SLX7 75x100x10 SIMRIT 75 FKM 585	2	Collar
	9	72-2209013	1	Shaft
	10	72-2209017	1	Bushing
	11	72-2209019	3	Disc
	12	72-2209025	10-11	Disc
	13	72-2209027	10	Disc
	14	115K5 GOST 8338-75	2	Bearing
	15	72-2209012	1	Bushing
	16	72-2209018	2	Cage
	17	PK KG 3/8"	2	Plug
	18	72-2209011	1	Bracket
	19	M10x1-8 DIN 985	16	Nut
	21	4x25.019 GOST 397-79	1	Split pin
	22	70-3003032	1	Nut
	23	52-1802079	1	Washer
	24	52-1802078-A	1	Flange
	25	72-2209016-B	1	Washer
	26	038-046-46-1-4 GOST 18829-73/9833-73	1	Ring
	27	72-2209021	6	Spring
	28	72-2209031	1	Cage
	29	52-2308094	2	Dowel
	30	12-12-306	2	Ring
	31	16OT OST 37.001.115-75	3	Washer
	32	72-2203011	3	Bolt
	33	20-2201024	4	Gasket
	34	72-2203023	4	Flange
	35	52-2203012	16	Bolt M10x1
	36	72-2203030-01	4	Cross
	37	3102-2201037	16	Deflector
	38	72-2203043	16	Locking ring
	39	69-2201031-A	16	Collar
	40	704702 TU 37.006.065-90	16	Bearing
	41	72-2203018-02 ¹⁾ 72-2203018-10 ²⁾	2	Pipe
	42	72-2203022 ¹⁾ 469-2201022-10 ²⁾	4	Yoke

¹⁾ for cardan shaft 72-2203010-A2

²⁾ for cardan shaft 72-2203010-A3

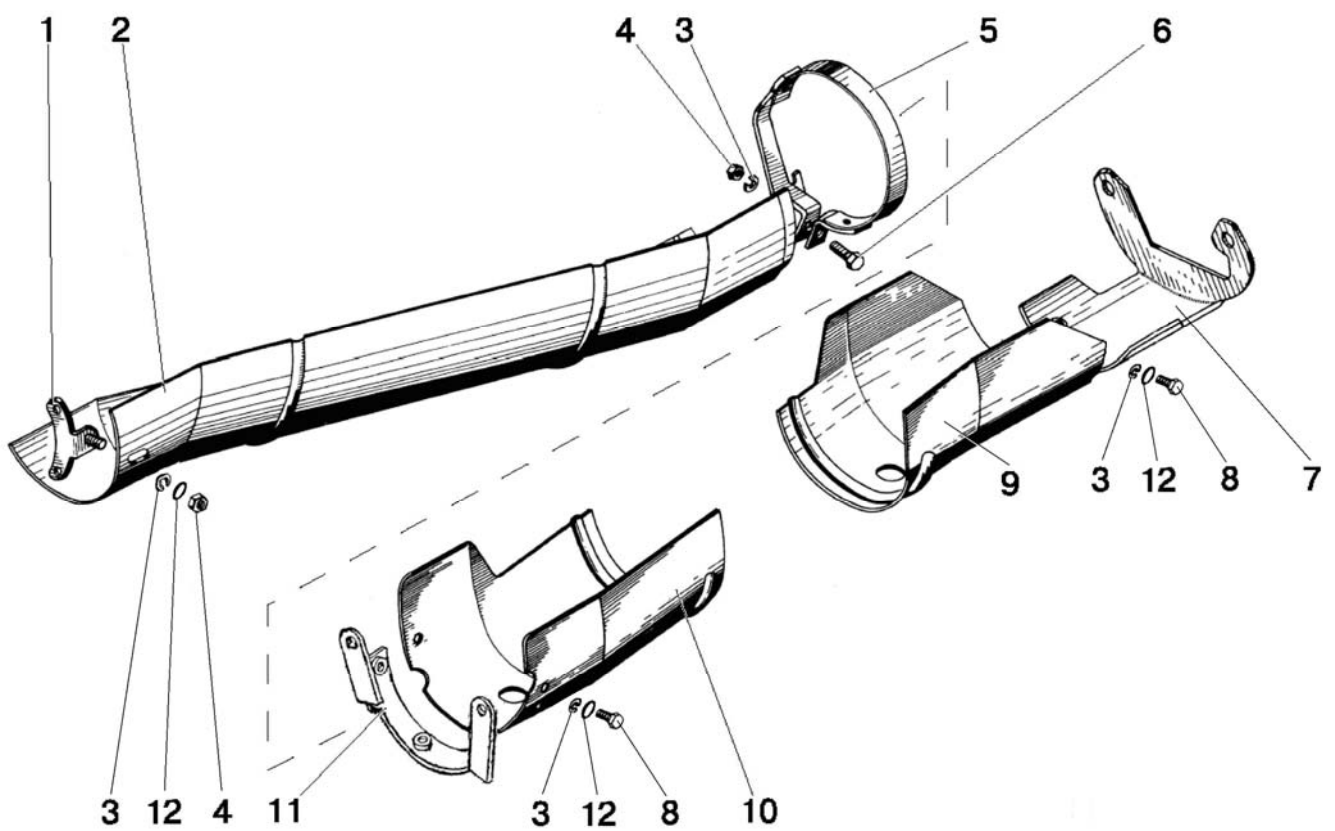


Fig.22.2. Cardan drive boot

Group 22. Cardan drive
Subgroup 2210. Cardan drive boot

Fig.	Pos.	Designation	Q-ty	Description
22.2		72-2203040	1	Cardan drive boot (1-11)
	1	52-2210040	1	Support bracket
	2	72-2210013	1	Rear casing
	3	8T OST 37.001.115-75	7	Washer
	4	M8-6H.6.019 GOST 5915-70	2	Nut
	5	72-2210030	1	Clamp
	6	M8-6gx40.88.35.019 GOST 7796-70	1	Bolt
	7	52-2210015	1	Bracket
	8	M8-6gx16.88.35.019 GOST 7796-70	5	Bolt
	9	52-2210012-A	1	Front casing
	10	52-2210017-A	1	Casing
	11	72-2210020-A	1	Bracket
	12	S8.01.019 GOST 11371-78	6	Washer

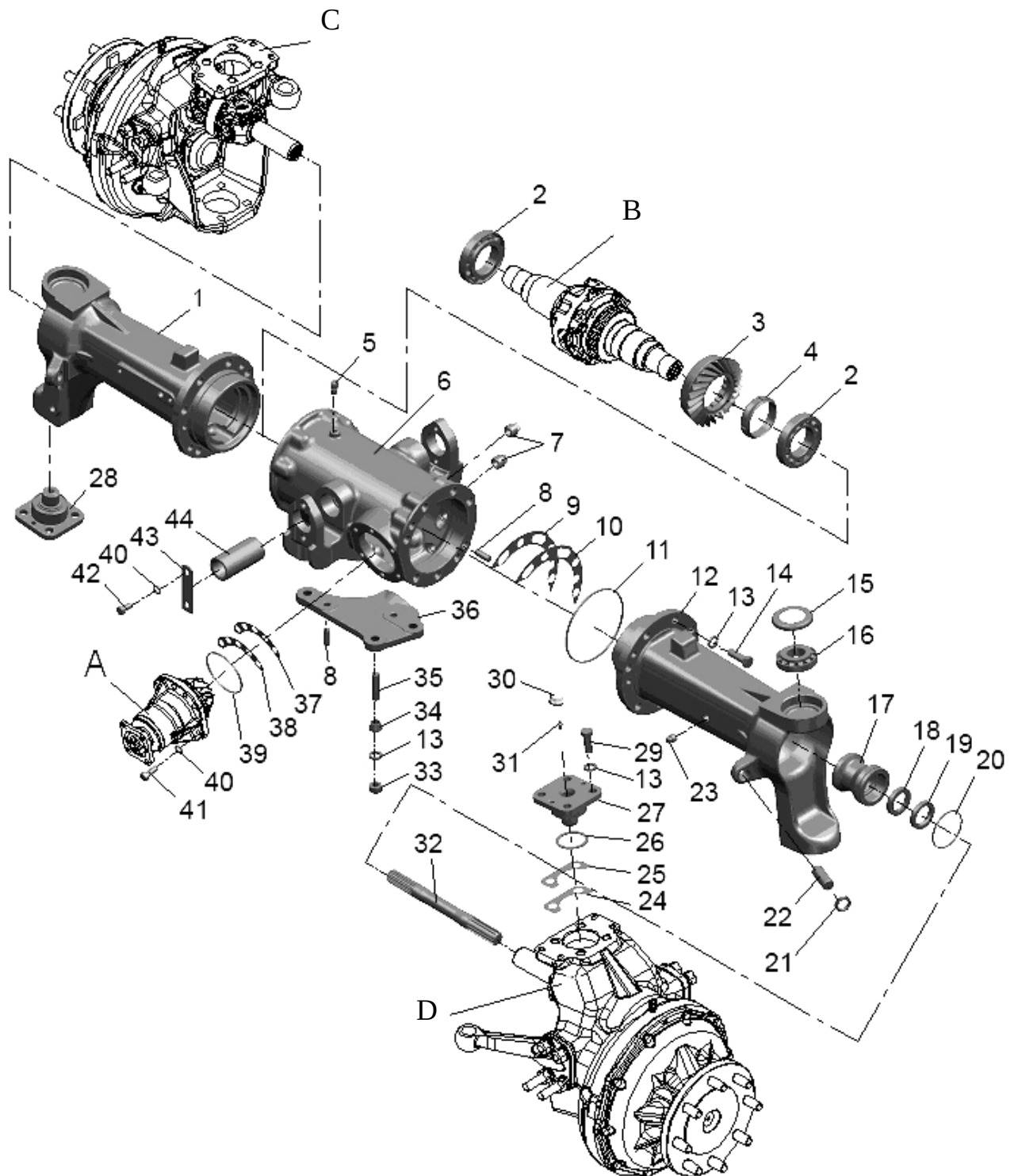


Fig. 23.1. Front driving axle assembly

Group 23. Front driving axle
Subgroup 2300. Front driving axle assembly

Fig.	Pos.	Designation	Q-ty	Description
23.1		822-2300020-04 ¹⁾ 822-2300020-02 ²⁾	1	Front driving axle assembly
	A	52-2302010	1	FDA main gear (see fig. 23.2)
	B	52-2303010-B-01	1	Differential (see fig. 23.3)
	C	822-2308005	1	FDA final drive reducing gear (left) (see fig. 23.4)
	D	822-2308005-01	1	FDA final drive reducing gear (right) (see fig. 23.4)
	1	822-2301051 ¹⁾ 822-2301051-01 ²⁾	1	Left axle tube
	2	263212A	2	Bearing
	3	52-2302019	1	Driven gear
	4	52-2302038-A1	1	Nut
	5	TSS0G-1/8"	1	Breather
	6	72-2301055	1	Housing
	7	PK KG 3/4"	2	Plug
	8	D01-015	6	Dowel pin
	9	52-2303027	16(max)	Shim washer V=0,5 mm
	10	52-2303028	16(max)	Shim washer V=0,2 mm
	11	150-155-36-1-4 GOST 18829-73/9833-73	2	Ring
	12	822-2301053 ¹⁾ 822-2301053-01 ²⁾	1	Right axle tube
	13	16 OT OST 37.001.115-75	33	Washer
	14	M16-6gx45.88.35.019 GOST 7796-70	14	Bolt
	15	1520-2308039	4	Body
	16	1027307A (31307) GOST 27365-87	4	Bearing
	17	822-2308100	2	Cage
	18	1.2-38x58-1 GOST 8752-79/OST 3805146-78	2	Collar
	19	2.2-38x58-1 GOST 8752-79/OST 3805146-78	2	Collar
	20	075-080-30-1-4 GOST 18829-73/9833-73	2	Ring
	21	85-3407113	2	Nut
	22	1520-2308009	2	Screw
	23	PK KG 3/8"	2	Plug
	24	52-2302021	6 (max)	Shim washer V=0,5 mm
	25	52-2302022	10 (max)	Shim washer V=0,2 mm
	26	055-063-46-1-4 GOST 18829-73/9833-73	4	Ring
	27	1520-2308037	3	Axle
	28	1520-2308037-01	1	Axle
	29	M16-6gx40.88.35.019 GOST 7796-70	16	Bolt
	30	85-4607447	4	Cap
	31	1.3.TS9.chr GOST 19853-74	4	Oiler

¹⁾ With short axle tubes

²⁾ With long axle tubes (optional)

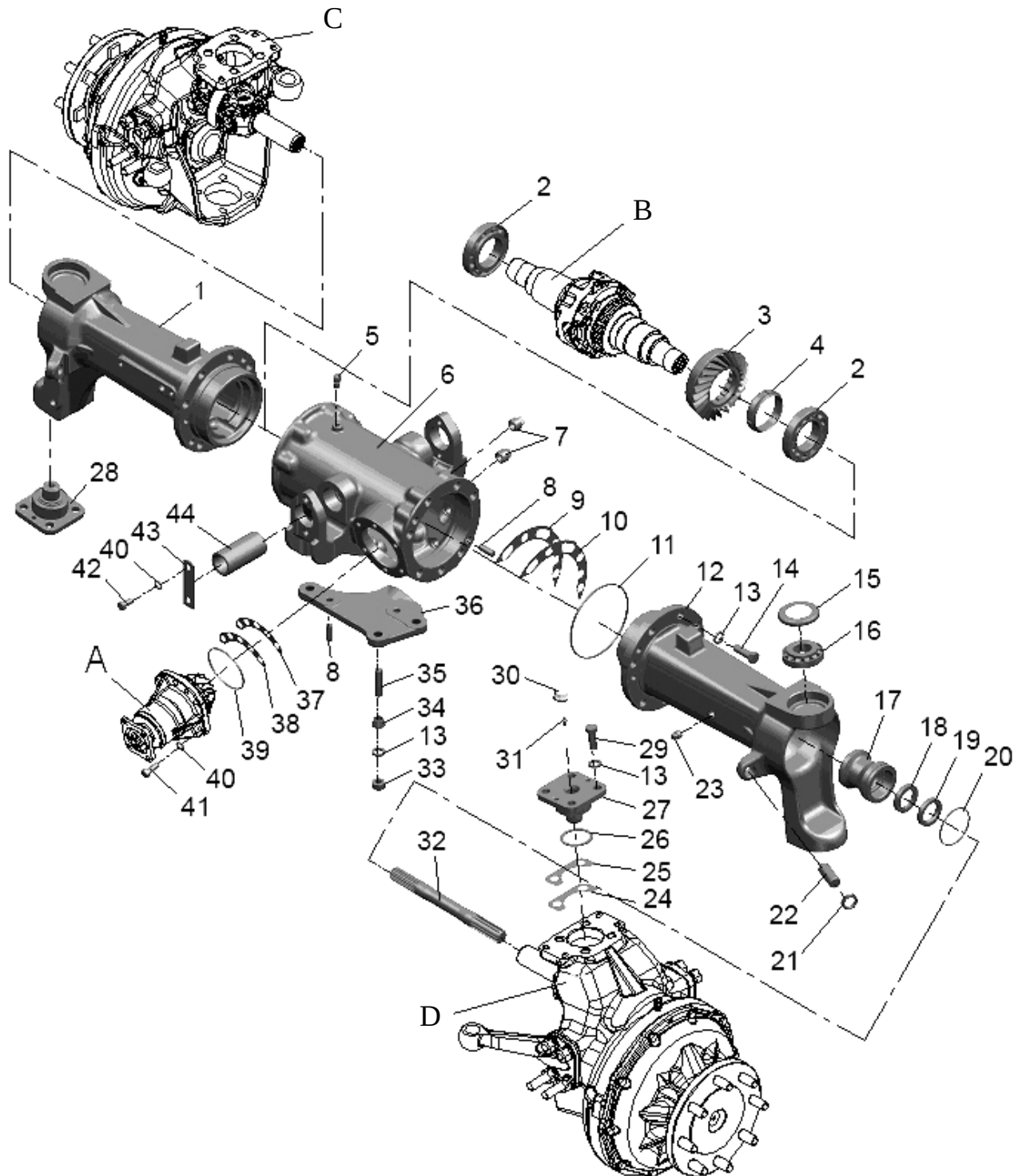


Fig. 23.1. Front driving axle assembly

Group 23. Front driving axle
Subgroup 2300. Front driving axle assembly

Fig.	Pos.	Designation	Q-ty	Description
23.1	32	822-2308065 ¹⁾ 822-2308065-01 ²⁾	2	Shaft
	33	M16-6H.6.019 GOST 5915-70	3	Nut
	34	1520-2308077	3	Bushing
	35	1520-2308079	3	Stud
	36	822-2301023-B-01 ¹⁾ 922-2301023-B-01 ²⁾	1	Cylinder bracket
	37	1520-2308042	8(max)	Shim washer V=0,2 mm
	38	1520-2308042-01	20(max)	Shim washer V=0,5 mm
	39	089-095-36-1-4 GOST 18829-73/9833-73	1	Ring
	40	12 OT OST 37.001.115-75	10	Washer
	41	M12-6gx30.88.35.019 GOST 7796-70	6	Bolt
	42	M12-6gx25.88.35.019 GOST 7796-70	4	Bolt
	43	72-2301059-A1	2	Strip
	44	52-2301058-A4	2	Axle
¹⁾ with short axle tubes ²⁾ with long axle tubes (optional)				

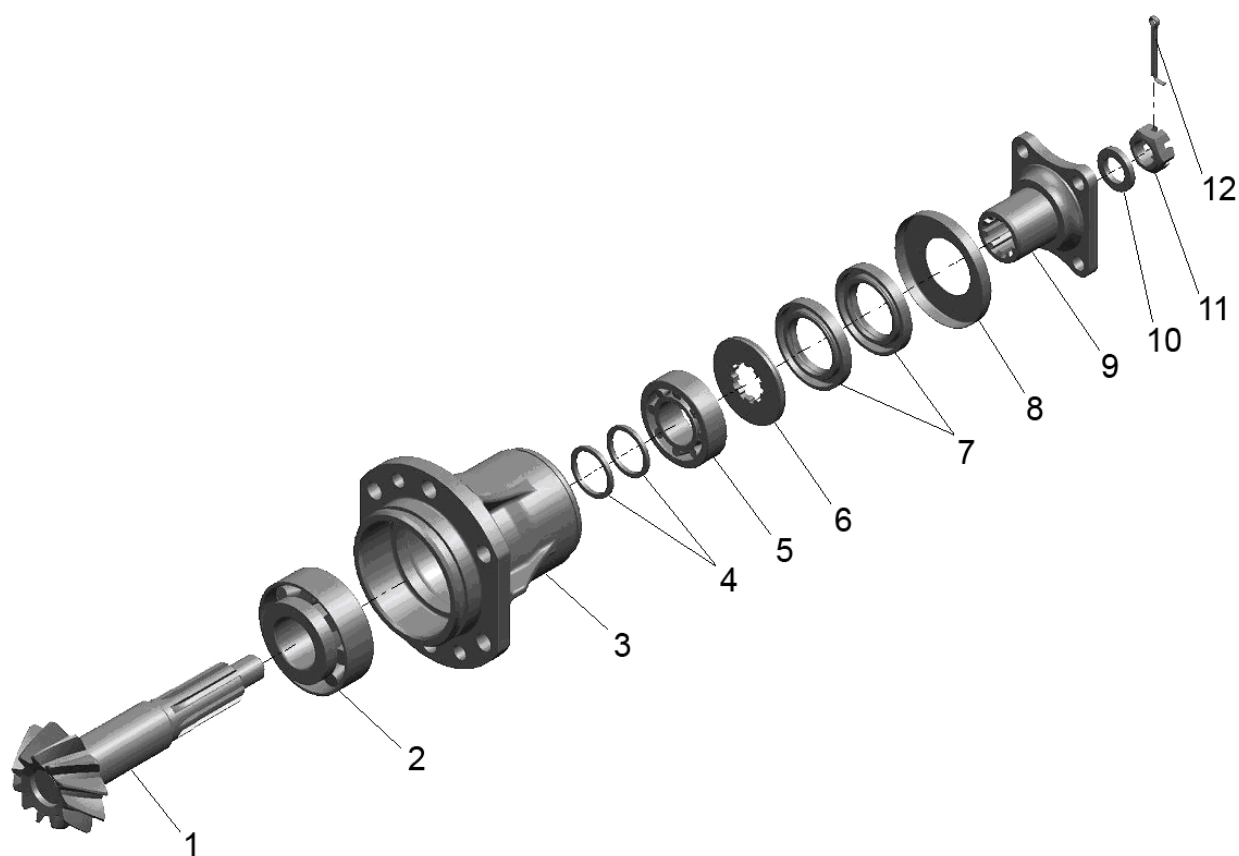


Fig. 23.2. FDA main gear

Group 23. Front driving axle
Subgroup 2302. FDA main gear

Fig.	Pos.	Designation	Q-ty	Description
23.2		52-2302010-R	1	Gear set (1-12 (Fig.23.2), 3 (Fig.23.1))
		52-2302030	1	Driven and driving gear assy (1 (Fig.23.2), 3 (Fig.23.1))
	1	52-2302015-A	1	Driving gear
	2	7607A GOST 27365-87 or 6-7607AU GOST 27365-87	1	Bearing
	3	52-2302016-A	1	Body
	4	52-2302026	2	Adjustung washer V=2,65 mm
		52-2302026-01	2	Adjustung washer V=2,70 mm
		52-2302026-02	2	Adjustung washer V=2,75 mm
		52-2302026-03	2	Adjustung washer V=2,90 mm
		52-2302026-04	2	Adjustung washer V=3,05 mm
		52-2302026-05	2	Adjustung washer V=3,20 mm
		52-2302026-06	2	Adjustung washer V=3,30 mm
		52-2302026-07	2	Adjustung washer V=3,35 mm
		52-2302026-08	2	Adjustung washer V=3,40 mm
	5	7506A GOST 27365-87	1	Bearing
	6	52-2302018	1	Ring
	7	2.2-38x62-1/4 GOST 8752-79/OST 3805146-78	2	Collar
	8	82-2302031	1	Blind plug
	9	52-1802078-A	1	Flange
	10	52-1802079	1	Washer
	11	70-3003032	1	Nut
	12	4x25.019 GOST 397-79	1	Split pin

Selected during
bearings adjustment

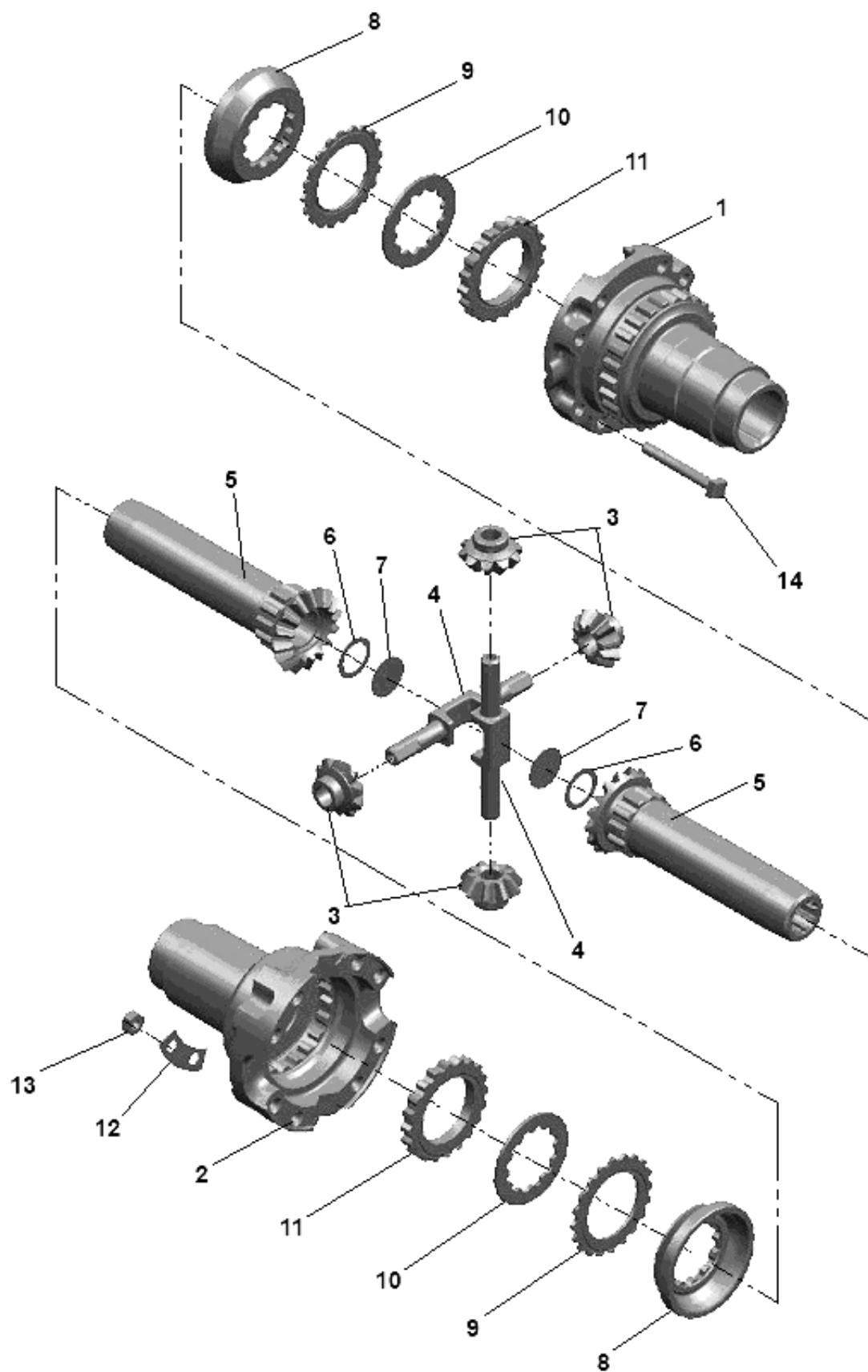


Fig. 23.3. Differential

Group 23. Front driving axle
Subgroup 2303. Differential

Fig.	Pos.	Designation	Q-ty	Description
23.3		52-2303010-B-01	1	Differential
		52-2303030	2	Gear (5-7)
	1	52-2303014-B	1	Case
	2	52-2303015-B	1	Case
	3	52-2303018	4	Planet gear
	4	52-2303019	2	Axle
	5	52-2303017	2	Gear
	6	52-2303034	2	Gasket
	7	35-10κP.TS9.chr GOST 3111-81	2	Blind plug
	8	52-2303021	2	Cage
	9	52-2303023-A1-01	2	Disc
	10	52-2303024-01	2	Disc
	11	52-2303023-A1	2	Disc
	12	52-2303032	4	Plate
	13	52-2303013	8	Nut
	14	52-2303026-B	8	Bolt

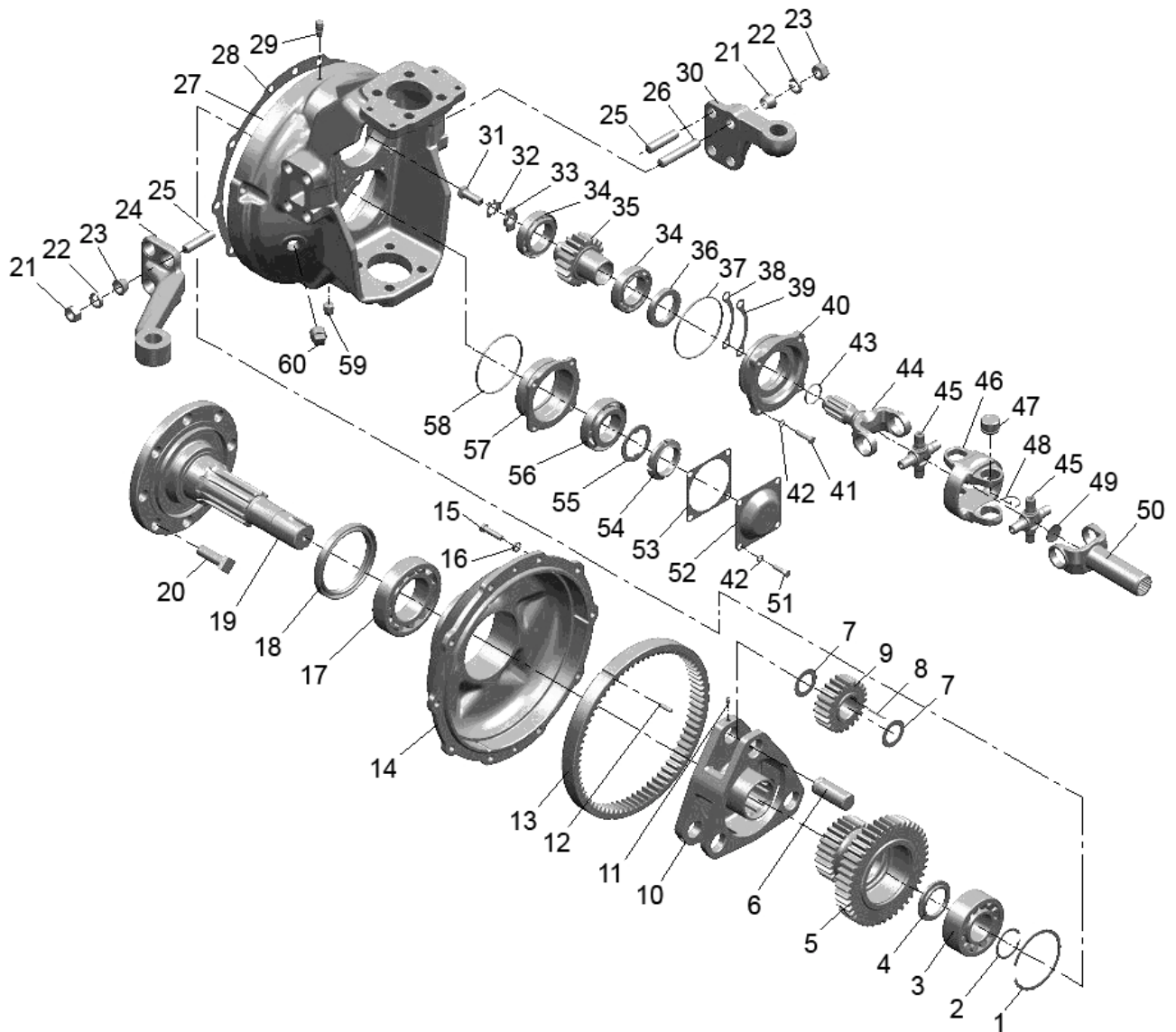


Fig. 23.4. FDA final drive reducing gear

Group 23. Front driving axle
Subgroup 2308. FDA final drive reducing gear

Fig.	Pos.	Designation	Q-ty	Description
23.4		822-2308005	1	Left gear unit (1-60)
		822-2308005-01	1	Right gear unit (1-60)
		822-2308010	2	Gear unit (1-20, 27-29, 31-60)
		1520-2308024-20	2	Twin joint (43-50)
		1520-2308040-01	2	Housing (27, 29, 31-50)
		1520-2308080	2	Body (36, 37, 40)
		1521-2308020	2	Cover (12-14)
		1521-2308030	2	Carrier (6-11)
		1521-2308050-01	2	Hub (1-20)
	1	2S100 GOST 13941-86	2	Ring
	2	S45 GOST 13940-86	2	Ring
	3	53609 GOST 24696-81	2	Bearing
	4	1520-2308038	2	Ring
	5	1520-2308062-01	2	Gear train (Z=39)
	6	1520-2308053	6	Axle
	7	1520-2308054	12	Washer
	8	4x34,8A3 GOST 6870-81	156	Roller
	9	1520-2308059	6	Planet gear
	10	1521-2308056	2	Carrier
	11	1520-2308011	6	Screw
	12	2.8x25 GOST 3128-70	6	Dowel
	13	1520-2308064	2	Gear
	14	1521-2308016	2	Cover
	15	M10-6gx35.88.35.019 GOST 7796-70	20	Bolt
	16	10 OT OST 37.001.115-75	20	Washer
	17	7514A GOST 27365-87	2	Bearing
	18	2.2-100x125-1 GOST 8752-79/OST 3805146-78	2	Collar
	19	1521-2308017	2	Flange
	20	40-3103016	16	Front wheel bolt
	21	M16-6H.6.019 GOST 5915-70	16	Nut
	22	16 OT OST 37.001.115-75	16	Washer
	23	1520-2308077	12	Bushing
	24	822-2308074	1	Left lever
		822-2308075	1	Right lever
	25	1520-2308079	11	Stud
	26	1520-2308079-02	1	Stud
	27	1520-2308015	2	Housing
	28	1520-2308034	2	Gasket
	29	TSS0G-1/8"	2	Breather ("MINTOR")
	30	1021-2308076	1	Left bracket
	31	1521-2308012	2	Bolt
	32	1521-2308031	2	Locking plate
	33	1521-2308013	2	Washer
	34	2007109 GOST 27365-87	4	Bearing
	35	1520-2308061-01	2	Gear (Z=20)
	36	2.2-45x65-1 GOST 8752-79/OST 3805146-78	2	Collar
	37	100-105-30-2-4 GOST 18829-73/GOST 9833-73	2	Ring
	38	1520-2308021	20 (max)	Shim washer V=0,2 mm
	39	1520-2308021-01	8 (max)	Shim washer V=0,5 mm

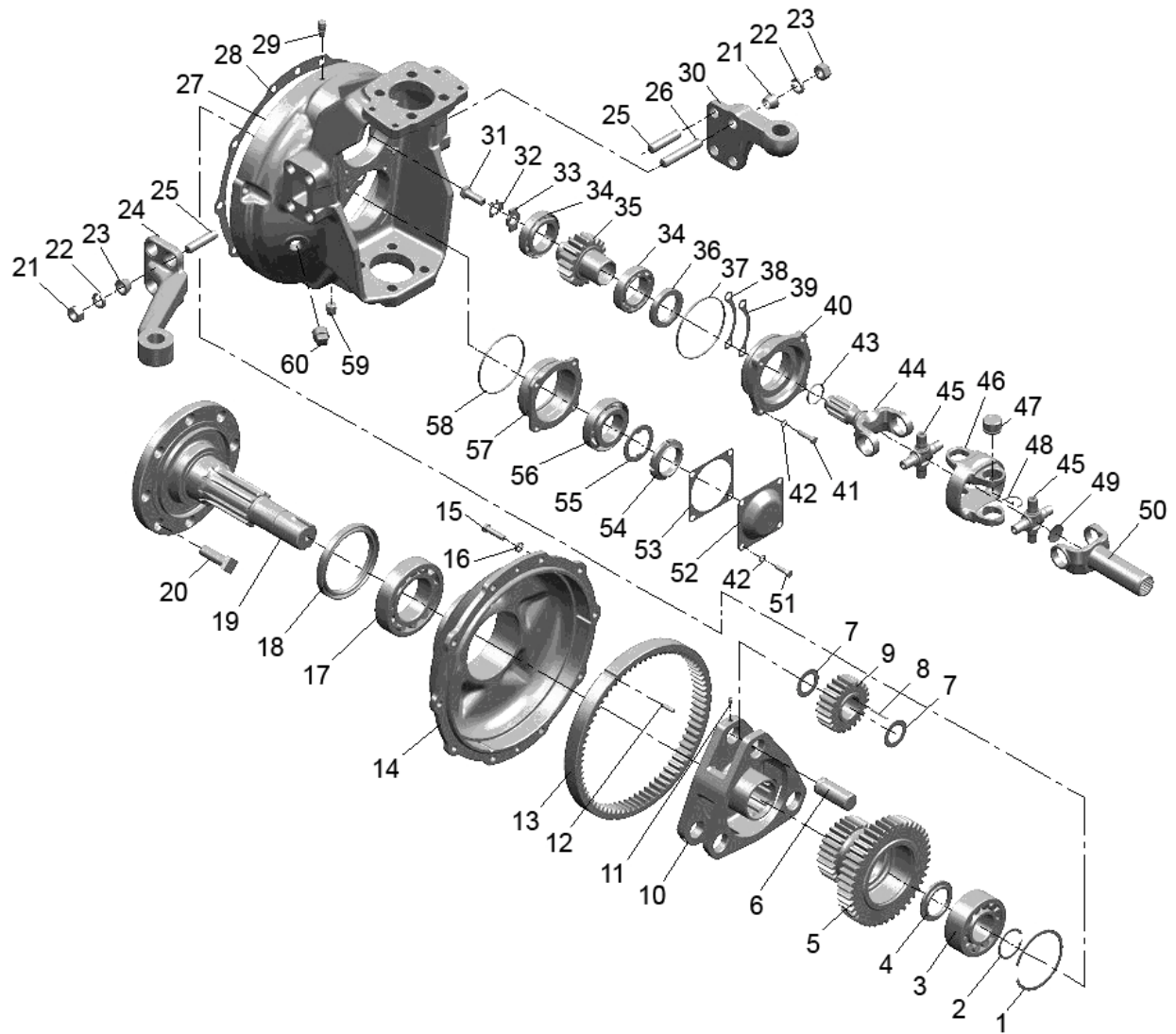


Fig. 23.4. FDA final drive reducing gear

Group 23. Front driving axle
Subgroup 2308. FDA final drive reducing gear

Fig.	Pos.	Designation	Q-ty	Description
23.4	40	1520-2308035	2	Body
	41	M8-6gx35.88.35.019 GOST 7796-70	8	Bolt
	42	8T OST 37.001.115-75	16	Washer
	43	032-036-25-2-4 OST 18829-73/GOST 9833-73	2	Ring
	44	1520-2308063-10	2	Yoke
	45	72-2203026-11	4	Cross
	46	15.22.01.013-10	2	Yoke of twin joint
	47	704702K3C10	16	Bearing
	48	24-2201043-01	16(max)	Locking ring
		24-2201043-10	16(max)	Locking ring
		24-2201043-20	16(max)	Locking ring
		24-2201043-30	16(max)	Locking ring
	49	32	2	Blind plug
	50	1520-2308048	2	Yoke
	51	M8-6gx25.88.35.019 GOST 7796-70	8	Bolt
	52	1520-2308004	2	Cover
	53	1520-2308003	2	Gasket
	54	80-1701045	2	Nut
	55	80-1701056	2	Washer
	56	7509A GOST 27365-87	2	Bearing
	57	1520-2308002	2	Body
	58	095-100-30-1-4 GOST 18829-73/9833-73	2	Ring
	59	PK KG 3/8"	2	Plug
	60	PK KG 3/4"	2	Plug

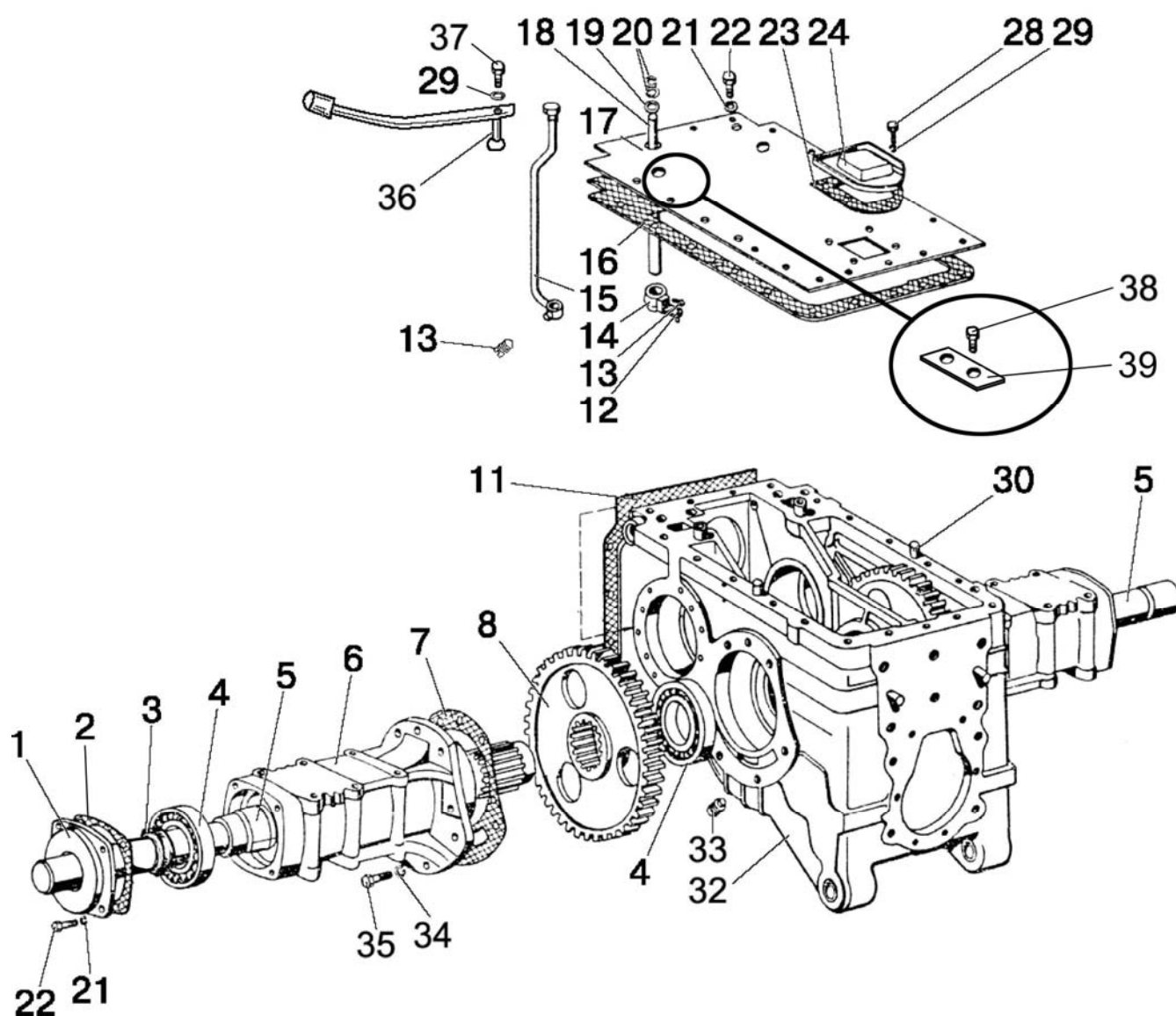


Fig.24.1. Rear axle housing. Final drive

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

Fig.	Pos.	Designation	Q-ty	Description
24.1		70-2401010-05	1	Rear AXLE (1-39)(twin-disc brake)
		70-2401010-06	1	Rear AXLE (1-39)(three-disc brake)
		952M-2401010-01	1	Rear AXLE ("wet" brakes)
		50-2407020-A-01 50-2407020-A1 ¹⁾	2	Semi-axle tube (1-6, 21, 22)
		50-2401040	1	Control shaft (18-20)
		50-2407030	2	Tube cover (1, 3)
	1	50-2407028	2	Cover
	2	50-2407029	2	Gasket
	3	2.2-80x105-1 GOST 8752-79/OST 3805146-78	2	Collar
	4	217 A GOST 8338-75	4	Bearing
	5	50-2407082-A-01	2	Semi-axle
	6	50-2407018-A-01 50-2407018-A ¹⁾	2	Semi-axle tube
	7	50-2407031-B	4	Gasket
	8	50-2407122	2	Gear
	11	50-2401016-B	2	Gasket
	12	1,6-O-S GOST 3282-74	2	Wire (200 mm)
	13	36-1702110	2	Screw
	14	50-2401020	1	Carrier
	15	80-2401050	1	Rod
	16	50-2401025-A	1	Gasket
	17	70-2401024-01	1	Cover
	18	50-2401019-B	1	Shaft
	19	020-025-30-1-4 GOST 18829-73/9833-73	1	Ring
	20	50-2401031	2	Washer
	21	12 OT OST 37.001.115-75	19	Washer
	22	M12-6gx30.88.35.019 GOST 7796-70	19	Bolt
	23	50-2401027-A	1	Gasket
	24	1221-2401026	1	Cover
	28	M8-6gx16.88.35.019 GOST 7796-70	4	Bolt
	29	8T OST 37.001.115-75	5	Washer
	30	D01-015	2	Dowel
	32	50-2401015-07	1	Housing
	33	70-1701300	1	Plug 1 1/4"
	34	16 OT OST 37.001.115-75	17	Washer
	35	M16-6gx50.88.35.019 GOST 7796-70	17	Bolt
	36	85-2401080-A	1	Lever
	37	M8-6gx55.88.35.019 GOST 7795-70	1	Bolt
	38	600-2401026	1	Bolt
	39	600-2401014	1	Plate

¹⁾ variant of cabin brakets fastening with bolts

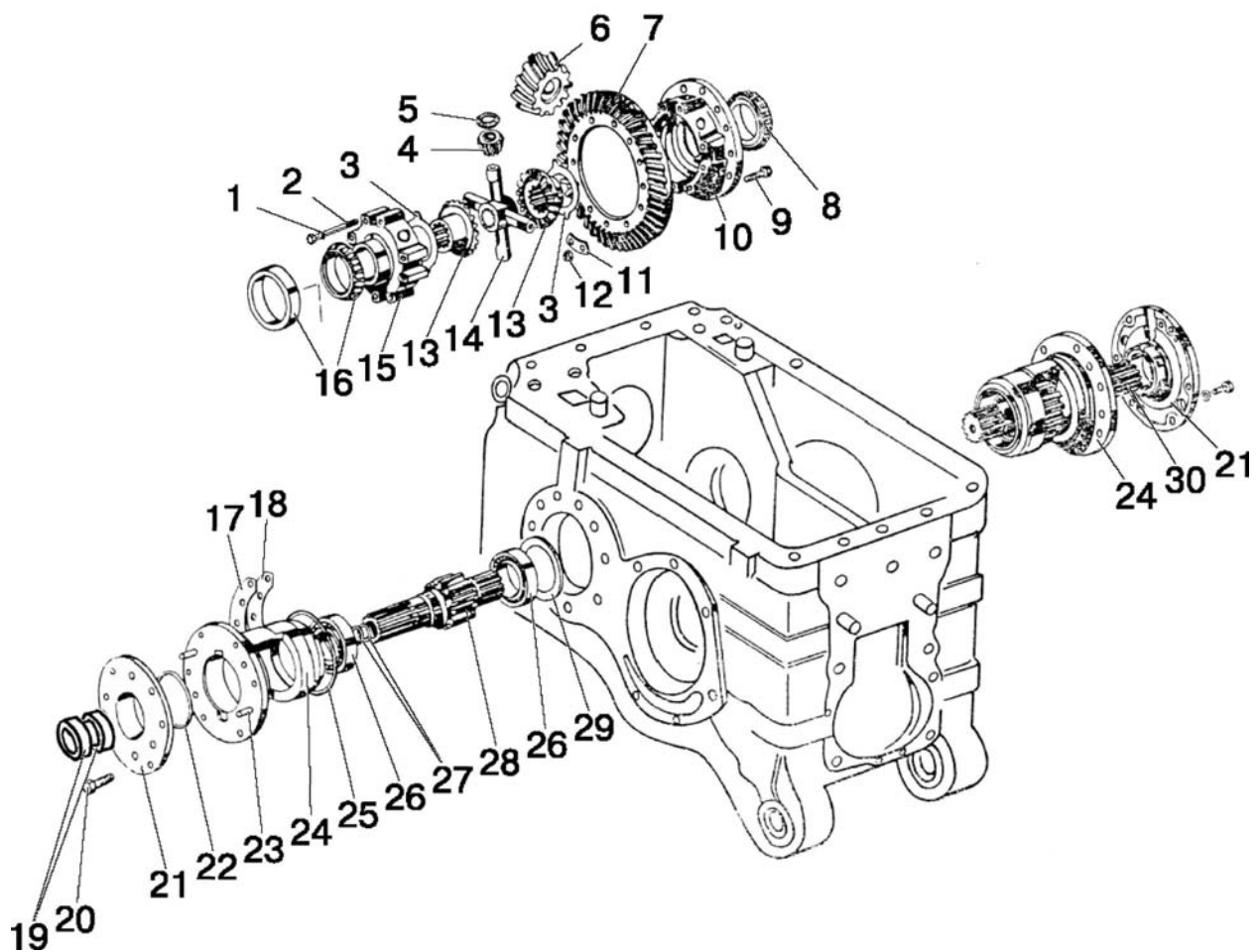


Fig.24.2. Differential. Bearings body

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

Fig.	Pos.	Designation	Q-ty	Description
24.2		85-2403020	1	Differential (1-5, 9-15)
		50-2403014	1	Gear set (6, 7)
		50-2407050-A-01	2	Body cover (19, 21, 22)
		85-2403015	1	Differential housing (10,15)
		70-2407060 70-2406060-04 80M-2407060	1	Left body (24-29) (twin disc brake) Left body (24-29) (three disc brake) Left body (24-26,28,29) ("wet" brake)
		70-2407060-01 70-2407060-05 80M-2407060-01	1	Right body (24-27, 29, 30) (24-29) (twin-disc brake) Right body (24-27, 29, 30) (24-29) (three-disc brake) Right body (24-26,29,30) ("wet" brake)
	1	12 OT OST 37.001.115-75	8	Washer
	2	50-2403034-A	8	Bolt
	3	50-2403049-B	2	Back-up plate
	4	85-2403055-01	4	Planet gear with bushing
	5	85-2403025	4	Washer of Planet gear
	6	50-1701105-B ¹⁾	1	Driving gear
	7	50-2403021-B ¹⁾ or 50-2403021-B-01 ¹⁾	1	Driven gear
	8	7515A GOST 27365-87	1	Bearing
	9	50-1702092	12	Dowel bolt
	10	85-2403018 ²⁾	1	Housing
	11	50-2403023	6	Locking plate
	12	M12-6H.6.019 GOST 5915-70	12	Nut
	13	50-2403048	2	Side gear
	14	50-2403062-A2	1	Cross
	15	85-2403019 ²⁾	1	Cover
	16	7215A GOST 27365-87	1	Bearing
	17	50-2407056	14	Gasket 0,5 mm
	18	50-2407057	10	Gasket 0,2 mm
	19	KFA-50x70	4	Collar ("dry" brakes)
	20	M12-6gx25.88.35.019 GOST 7796-70 80M-2407041	4 14	Bolt ("dry" brakes) Bolt ("wet" brakes)
	21	85-2407059	2	Body cover ("dry" brakes)
	22	TSS110-1414045-4 (104-110-40-1-4 GOST 18829-73/9833-73)	2	Ring ("dry" brakes)
	23	50-1601352 80M-2407039	4 4	Dowel ("dry" brakes) Dowel ("wet" brakes)
		50X-2407042	2	Body ("dry" brakes)
	24	50M-2407042 50M-2407042-01	1 1	Bearings body (left) ("wet" brakes) Bearings body (right) ("wet" brakes)
	25	160-165-36-1-4 GOST 18829-73/9833-73	2	Ring ("dry" brakes)
	26	6-42212KM GOST 8328-75	4	Bearing
	27	035-040-30-1-4 GOST 18829-73/9833-73	4	Ring ("dry" brakes)
	28	70-2407053 70-2407053-04 80M-2407053	1	Left gear (twin-disc brake) Left gear (three disc brake) Left gear ("wet" brakes)
	29	85-2407043	2	Ring
	30	70-2407053-01 70-2407053-05 80M-2407053-01	1	Right gear (twin-disc brake) Right gear (three-disc brake) Right gear ("wet" brakes)
¹⁾ delivered as spare part only together with set - 50-2403014				
²⁾ delivered as spare part only together with set - 85-2403015				

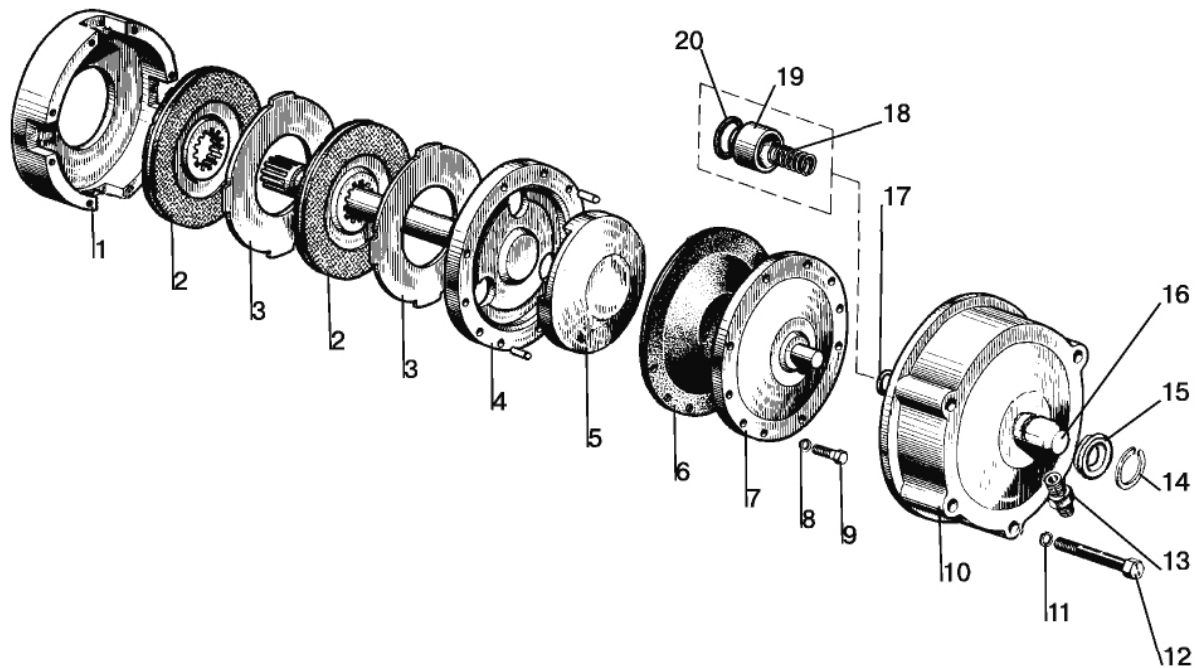


Fig. 24.3. Differential lock mechanism

Group 24. Rear axle
Subgroup 2409. Differential lock mechanism

Fig.	Pos.	Designation	Q-ty	Description
24.3		70-2409010-B 70-2409010-B-01 ¹⁾	1	Lock-up clutch (1-9)
		82P-2409050	1	Adapter (10, 13-20)
	1	70-2409015-A	1	Clutch housing
	2	70-3502040-01 or 70-3502040-04	2	Brake disc
	3	70-2409028	2	Throwout disc
	4	70-2409020 70-2409020-01 ¹⁾	1	Locking shaft
	5	70-2409018	1	Pressure plate
	6	70-2409021	1	Diaphragm
	7	70-2409030-B	1	Diaphragm cover
	8	8T OST 37.001.115-75	8	Washer
	9	M8-6gx40.88.35.019 GOST 7795-70	8	Bolt
	10	70-2409035-A6	1	Casing
	11	12 OT OST 37.001.115-75	5	Washer
	12	M12-6gx200.58.019 GOST 7795-70 1522-2409034 ¹⁾	5	Bolt
	13	70-2409037	1	Fitting
	14	S40 GOST 13940-86	1	Ring
	15	82P-2409036A	1	Sealant
	16	70-2409026-B	1	Adapter
	17	020-025-30-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	18	54-06-448-A	1	Spring
	19	70-2409027-A	1	Bushing
	20	70-2409033-B	1	Ring
¹⁾ variant if mounted three-disc brakes				

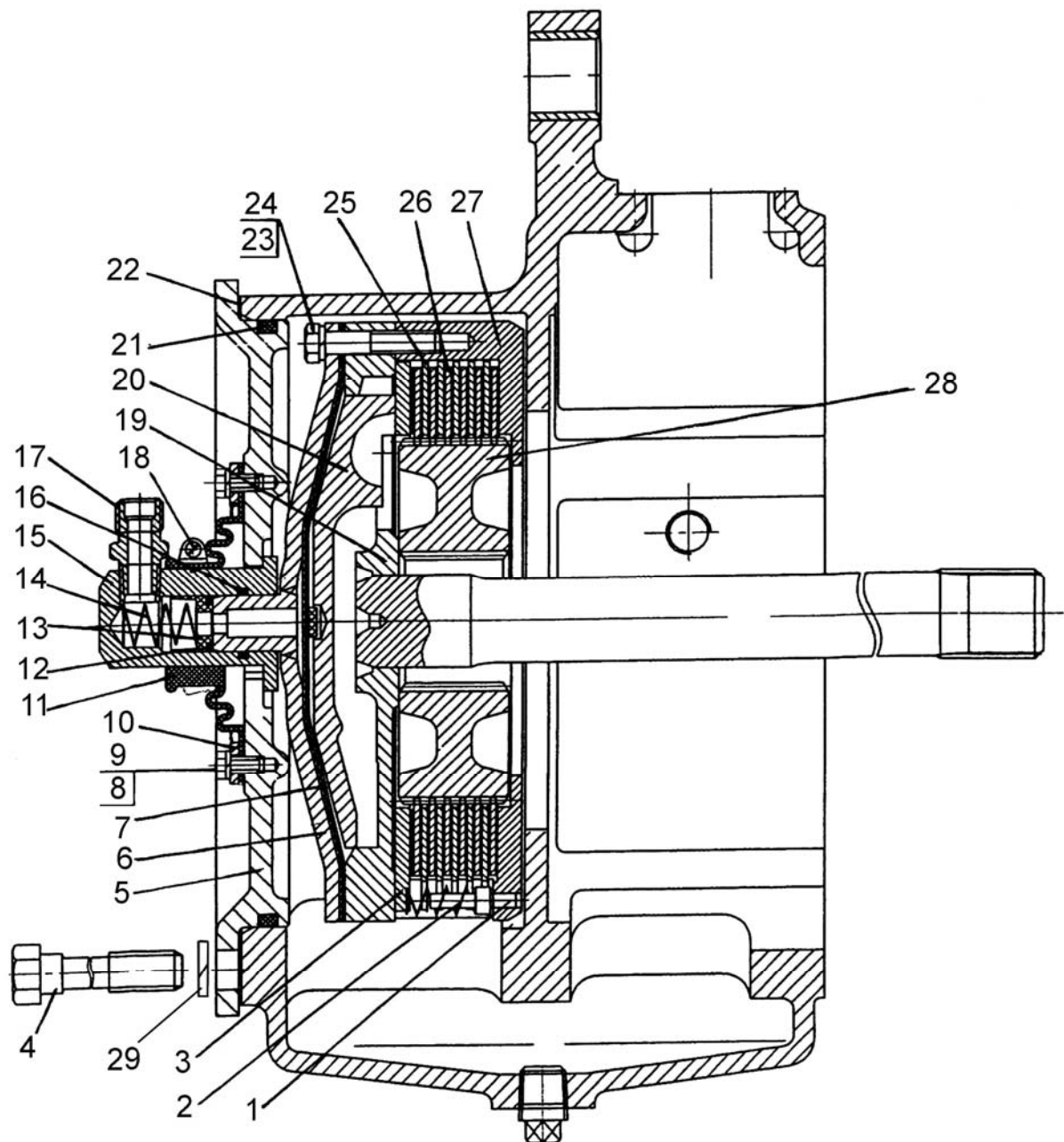


Fig.24.3 Differential lock mechanism of "wet" type

Group 24. Rear axle
Subgroup 2409. Differential lock mechanism of "wet" type

Fig.	Pos.	Designation	Q-ty	Description
24.3		80M-2409010	1	Lock-up clutch (1-3, 6, 7, 19, 20, 23-28)
		1221M-2409050	1	Adapter (5,8-18,21)
	1	80M-2409002	4	Pin
	2	50-1702148-A	4	Retaining spring
	3	80M-2409028	1 ¹⁾	Throwout disc (S=4,7mm)
		80M-2409028-01	1 ¹⁾	Throwout disc (S=4,4mm)
		80M-2409028-02	1 ¹⁾	Throwout disc (S=4,1mm)
		80M-2409028-03	1 ¹⁾	Throwout disc (S=3,8mm)
		80M-2409028-04	1 ¹⁾	Throwout disc (S=3,5mm)
		80M-2409028-05	1 ¹⁾	Throwout disc (S=3,2mm)
		80M-2409028-06	1 ¹⁾	Throwout disc (S=3,0mm)
	4	1221M-3502039	5	Bolt
	5	1221M-2409034	1	Cover
	6	70-2409030-B	1	Diaphragm cover
	7	70-2409021	1	Diaphragm
	8	M6-6gx12.88.35.019 GOST 7798-70	8	Bolt
	9	6T OST 37.001.115-75	8	Washer
	10	80M-2409037	1	Ring
	11	80M-2409036	1	Sealant
	12	70-2409033-B	1	Ring
	13	70-2409027-A	1	Bushing
	14	54-06-448-A	1	Spring
	15	70-2409026-B	1	Adapter
	16	020-025-30-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	17	70-2409037	1	Fitting
	18	«NORMA» 32-50/9S6W	1	Clamp
	19	70-2409020-02	1	Locking shaft
	20	80M-2409018	1	Pressure plate
	21	205-215-58-2-2 GOST 18829-73/GOST 9833-73	1	Ring
	22	1221M-2409051	1	Gasket
	23	M8-6gx40.88.35.019 GOST 7795-70	8	Bolt
	24	8T OST 37.001.115-75	8	Washer
	25	80M-2409016	5	Intermediate disc
	26	2522-1802035-A	6	Driving disc
	27	80M-2409015	1	Clutch housing
	28	80M-2409001	1	Hub
	29	14 OT OST 37.001.115-75	5	Washer
¹⁾ selected during assembly to achieve required play				

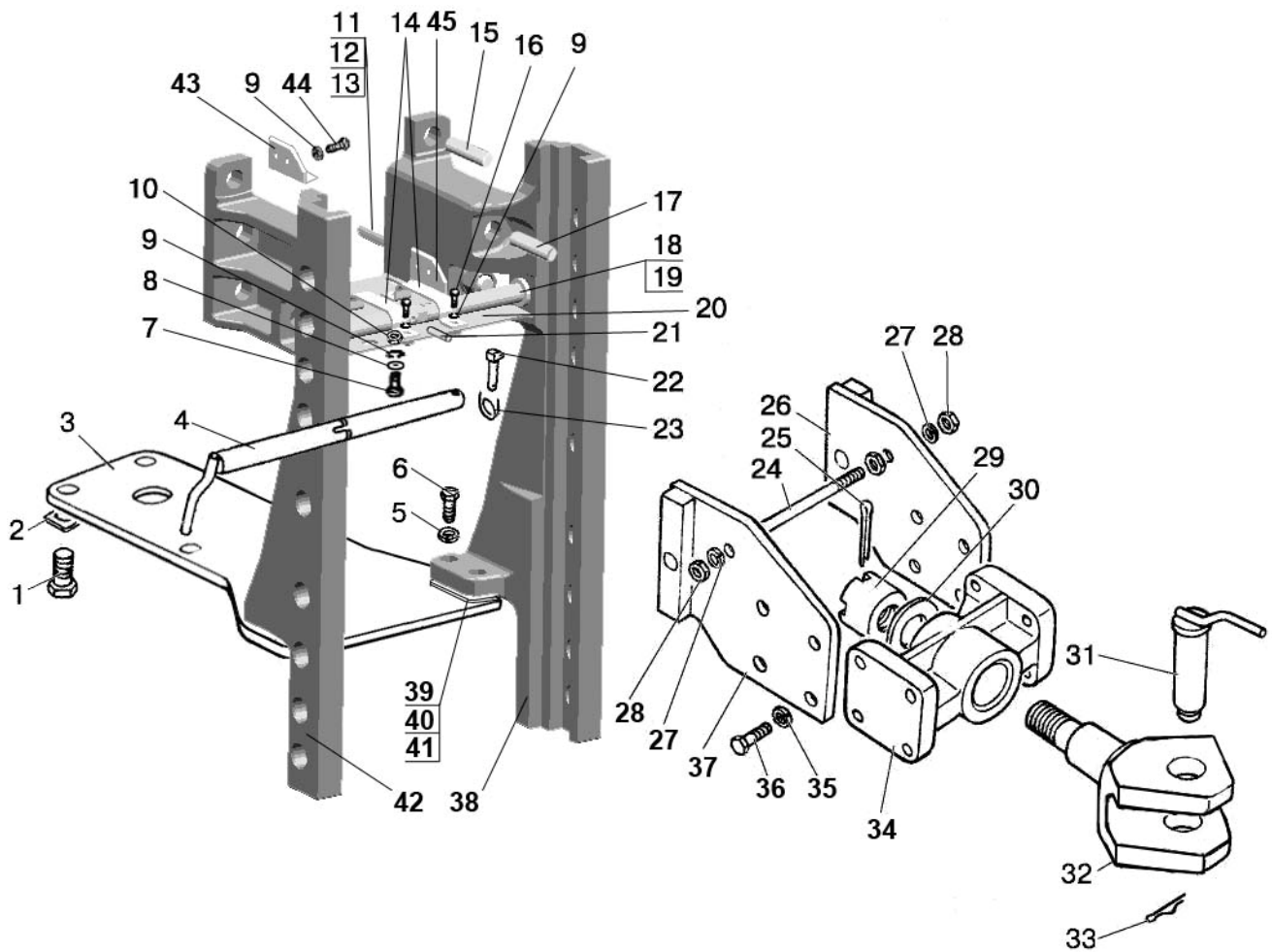


Fig.27.1. Drawbar hitch

Group 27. Hitch
Subgroup 2707. Drawbar hitch

Fig.	Pos.	Designation	Q-ty	Description
27.1		1322-2707210	1	Drawbar hitch
	1	1321-2707014	4	Bolt
	2	1222-2707137	2	Plate
	3	1321-2707011-B	1	Plate
	4	1321-2707030	1	Pin
	5	16 OT OGST 37.001.115-75	4	Washer
	6	1220-4605506	4	Bolt
	7	M6-6gx18.88.35.019 GOST 7798-70	1	Bolt
	8	S 6.01.019 GOST 11371-78	1	Washer
	9	6T OST 37.001.115-75	9	Washer
	10	M6-6H.6.019 GOST 5915-70	1	Nut
	11	921-2707068-02	2	Stud
	12	M20-6H.6.019 GOST 5915-70	6	Nut
	13	20 OT OST 37.001.115-75	6	Washer
	14	1321-2707083-B	2	Clip
	15	921-2707068	2	Stud
	16	M6-6gx12.88.35.019 GOST 7798-70	4	Bolt
	17	921-2707068-03	2	Stud
	18	1322-2707274	1	Tie-rod
	19	1322-2707211	1	Bushing
	20	1322-2707280	1	Plate assy
	21	A.6x30.65G GOST 14229-93	1	Dowel
	22	A61.05.005	1	Cotter key
	23	A61.05.004	1	Ring
	24	1522-2707244	1	Tie-rod
	25	6,3x63.019 GOST 397-79	1	Split pin
	26	1321-2707070-B-01	1	Plate
	27	16 OT OST 37.001.115-75	2	Washer
	28	M16-6H.6.019 GOST 5915-70	4	Nut
	29	1522-2707243	1	Nut
	30	1522-2707242	1	Washer
	31	1522-2707079-A	1	Pin
	32	921-2707055	1	Yoke
	33	A61.07.001-A	1	Split pin
	34	1321-2707051-B	1	Bracket
	35	20 OT OST 37.001.115-75	8	Washer
	36	680-2707024	8	Bolt
	37	1321-2707070-B	1	Plate
	38	1322-2707261	1	Side member
	39	900-2707135	2 (max.)	Plate
	40	900-2707135-01	2 (max.)	Plate
	41	900-2707135-02	2 (max.)	Plate
	42	1322-2707261-01	1	Side member
	43	1322-2707262-01	1	Bracket
	44	M6-6gx16.88.35.019 GOST 7798-70	4	Bolt
	45	1322-2707262	1	Bracket

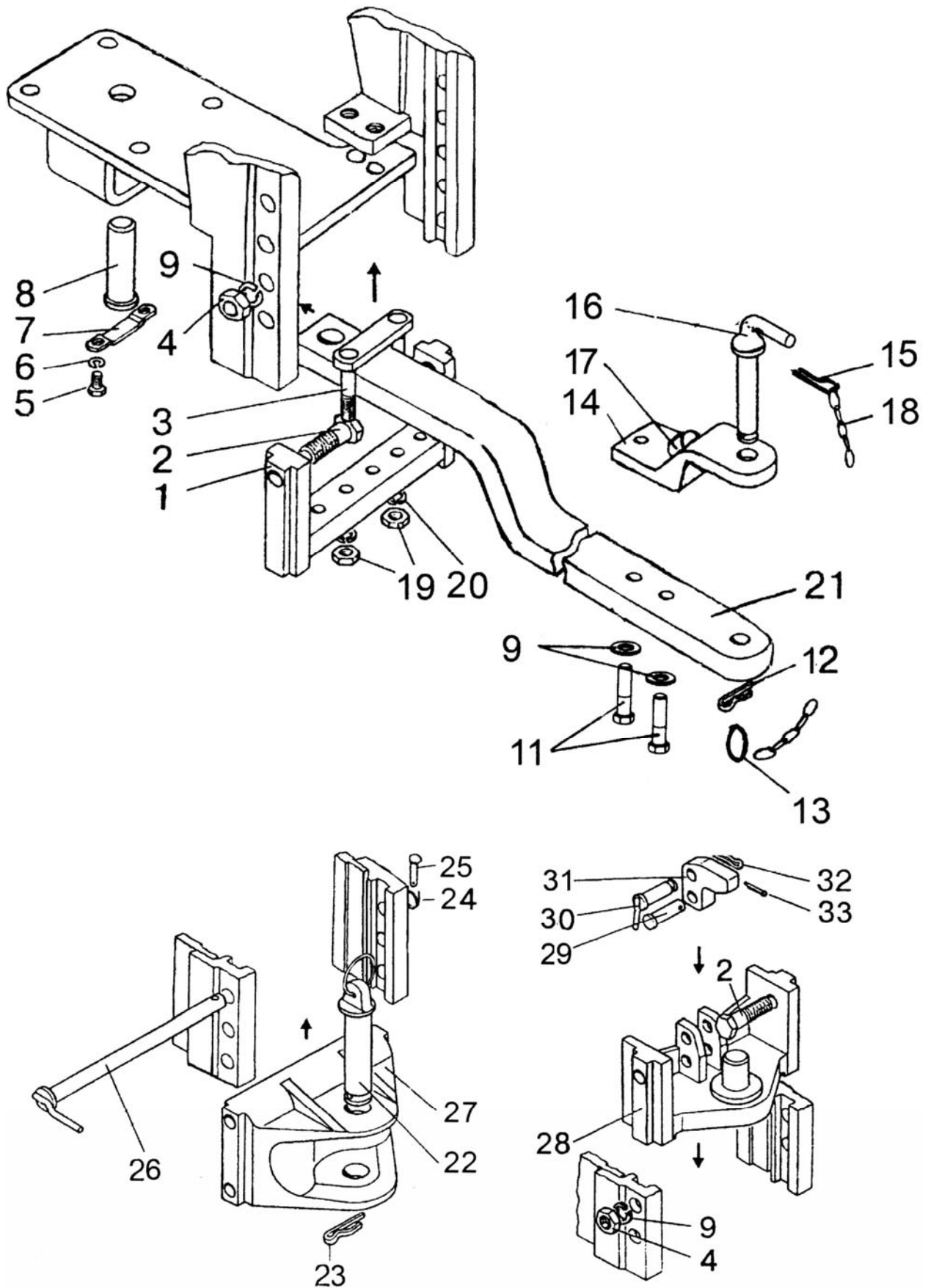


Fig.27.2. Drawbar hitch(configuration variants)

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

Fig.	Pos.	Designation	Q-ty	Description
27.2		1321-2707150-B	1	Link (9-18,21)
		1322-2707160	1	Python (28-33)
	1	1322-2707130-B	1	Crossbar
	2	1322-2707133	4	Bolt
	3	1322-2707120-B	1	Clip
	4	M20-6H.6.019 GOST 5915-70	4	Nut
	5	M10-6gx20.88.35.019 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 OT OST 37.001.115-75	6	Washer
	11	1523-2707149-B	2	Bolt
	12	A61.07.001-A	1	Split pin
	13	H50-4202146	1	Ring
	14	1523-2707143	1	Strap
	15	3,2x25.019 GOST 397-79	1	Split pin
	16	1522-2707079-A	1	Pin
	17	1523-2707142	1	Clip
	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	1321-2707144-B	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	1321-2707113-A or 1321-2707111-A	1 1	Yoke (EURO) L=110 mm Yoke (GOST) L=160 mm
	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
L – distance from PTO end till pin axis				

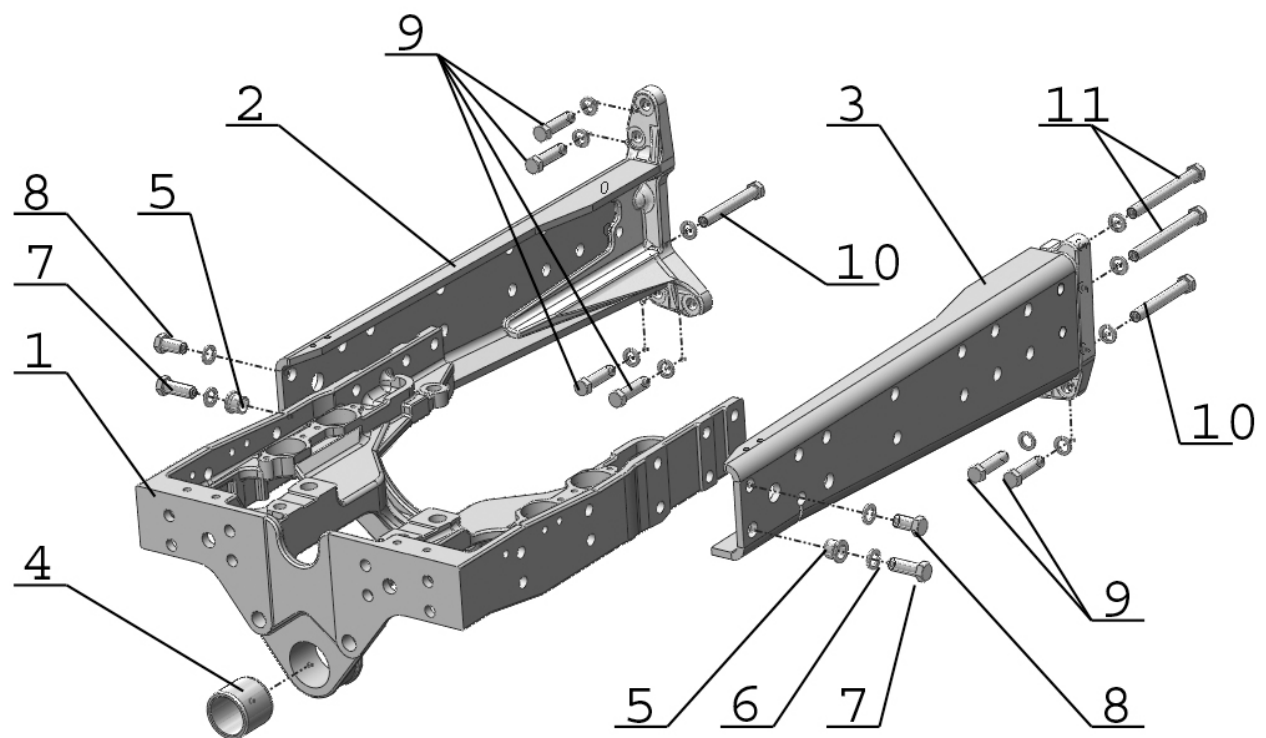


Fig. 28.1. Semi-frame

Group 28. Frame
Subgroup 2801. Semi-frame

Fig.	Pos.	Designation	Q-ty	Description
28.1		1025-2800010-01	1	Semi-frame (1, 2, 3,5-8)
		1025-2801120	1	Front bar (1,4)
	1	1025-2801124	1	Front bar
	2	80-2801050-01	1	Right side member
	3	80-2801060-01	1	Left side member
	4	40-3001022	2	Bushing
	5	50-2800011	4	Bushing
	6	16 OT OST 37.001.115-75	21	Washer
	7	M16-6gx45.88.35.019 GOST 7796-70	4	Bolt
	8	M16-6gx32.88.35.019 GOST 7796-70	8	Bolt
	9	M16-6gx60.88.35.019 GOST 7796-70	6	Bolt
	10	M16-6gx120.88.35.019 GOST 7795-70	2	Bolt
	11	M16-6gx150.88.35.019 GOST 7795-70	2	Bolt

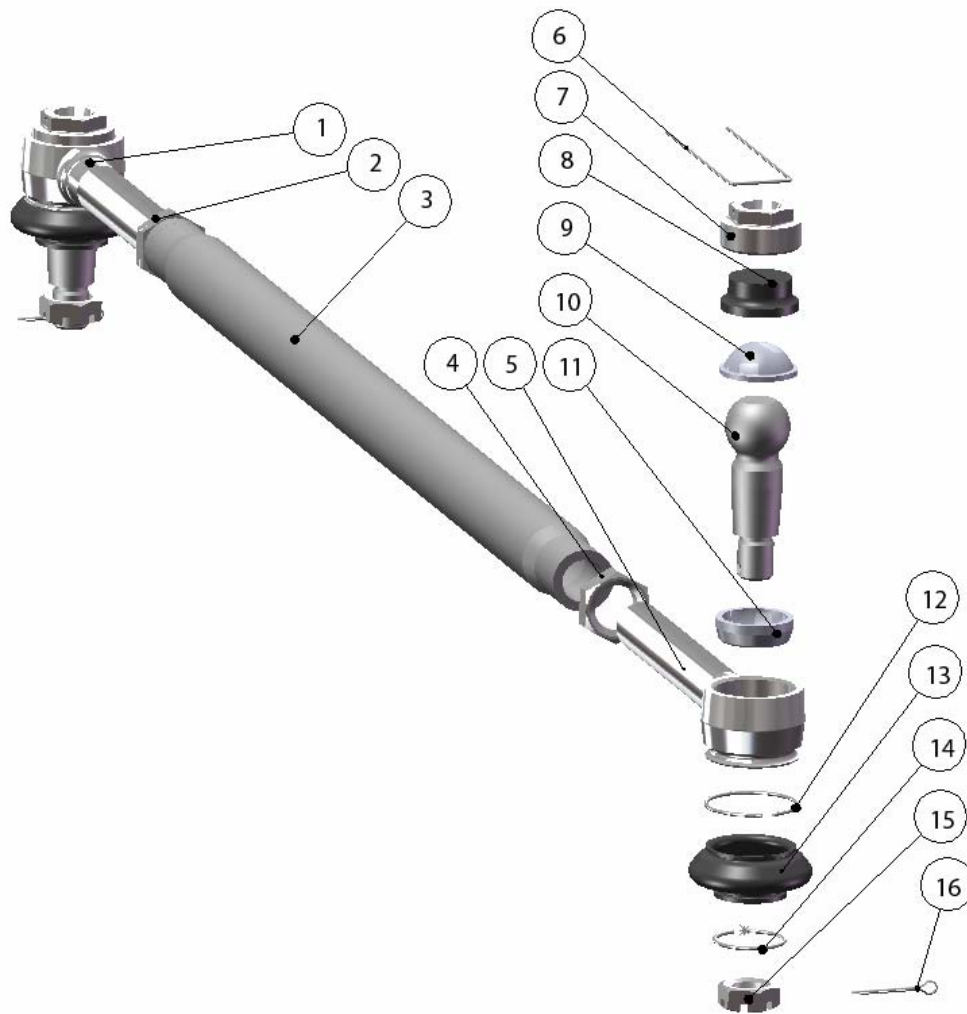


Fig.30.1. Steering link

Group 30. Steering link
Subgroup 3003. Steering link

Fig.	Pos.	Designation	Q-ty	Description
30.1		822-3003010 ¹⁾	1	Steering link (1-16)
		822-3003010-01 ²⁾		
	1	822-3003020	1	Right joint (822-3003022, 6-16)
		822-3003020-01	1	Left joint (822-3003022-01, 6-16)
	2	1220-3003013-01	1	Locknut
	3	1220-3003011	1	Pipe
	4	1220-303013	1	Locknut
	5	822-3003022	1	Right joint housing
		822-3003022-01	1	Left joint housing
	6	2,0-O-S GOST 3282-74	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	M20x1,5-6H.04.019 GOST 5919-73	2	Nut
	16	4x36.019 GOST 397-79	2	Split pin
¹⁾ For FDA 822-2300020-04 (with short axle tubes) ²⁾ For FDA 822-2300020-02 (with long axle tubes)				

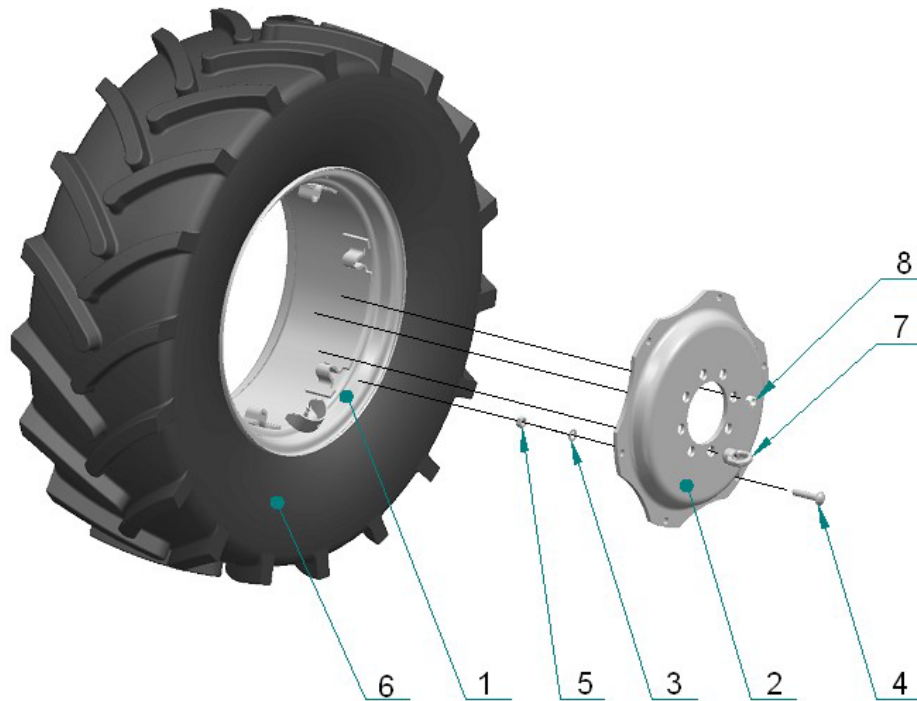


Fig. 31.1. Front drive wheels

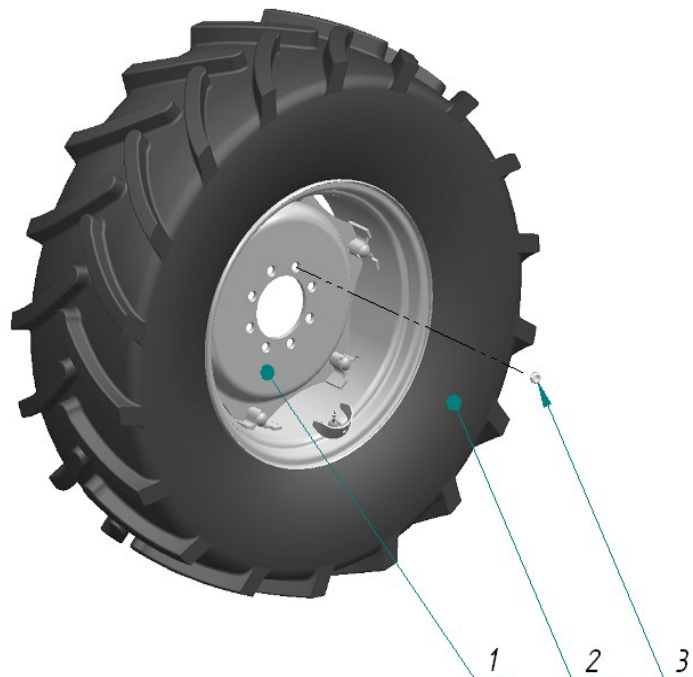


Fig. 31.2. Front drive wheels

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

Fig.	Pos.	Designation	Q-ty	Description
31.1		822-3101010	2	Wheel 360/70R24 (assembled with tire) (1-6)
		W12x24-3101020-01 or 880.3101012-01	2	Wheel W12x24 (1,2,3,4,5)
	1	W12x24-3101035	2	Rim W12x24 with brackets
	2	W12x24-3101017	2	Disc
	3	52-2301065	12	Washer
	4	1221-3101011	12	Bolt
	5	1221-3101013 or M16x1.5-6H.10.019 GOST 5915-70	12	Nut
	6		2	Tire 360/70R24
	7	70-3104019-01	2	Special nut
	8	40-3103017-01	14	Nut
31.2		822-3101015	2	Wheel 11.2R24 (assembled with tire)
	1	8133.3101012-01	2	Wheel W10x24
	2		2	Tire 11.2R24
	3	40-3103017-01	16	Nut

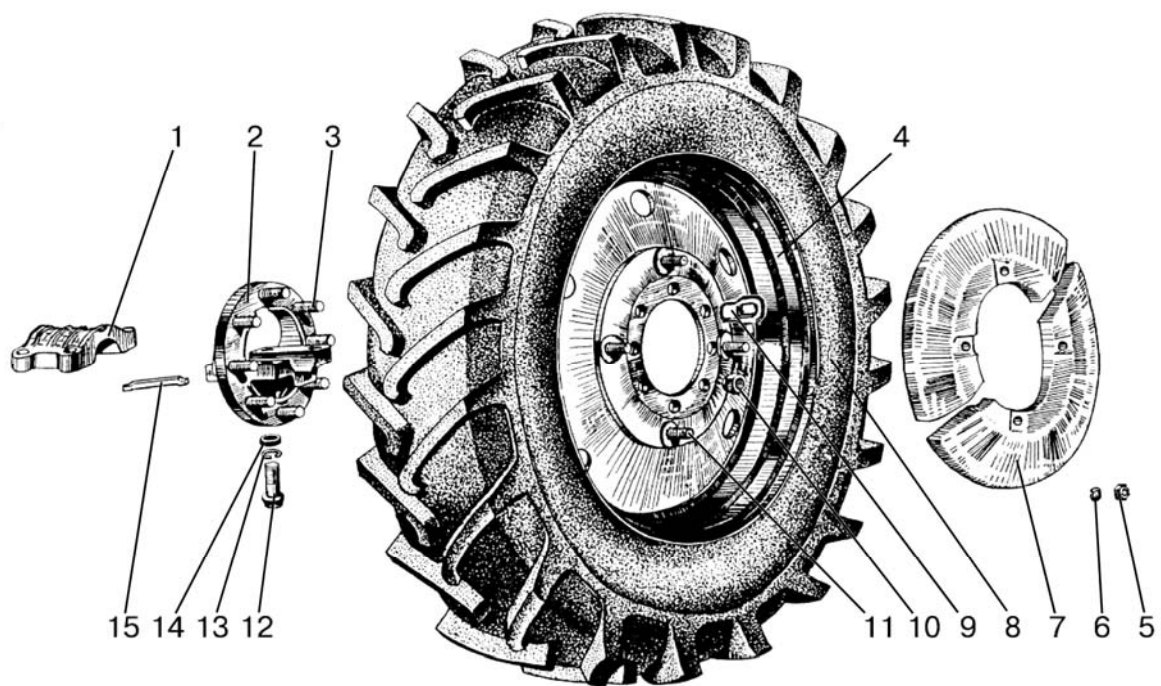


Fig. 31.3. Rear drive wheels

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

Fig.	Pos.	Designation	Q-ty	Description
31.3		80-3107010-01	2	Wheel 18.4R34 (assembled with tire) (4, 8)
	4	DW16Lx34-3107020-01	2	Wheel DW16x34 (disc, rim, protective shield)
	8		2	Tire 18.4R34 (model Ø-11)
		80-3107010-03¹⁾	2	Wheel 18.4R34 (assembled with tire) (4, 8)
	4	DW16Lx34-3107020-01	2	Wheel DW16x34 (disc, rim, protective shield)
	8		2	Tire 18.4R34 (model Ø-11)
		S70-3100220-A	2	Wheel 15.5R38 (assembled with tire) (4, 8)
	4	DW14Lx38-3107020-01	2	Wheel DW14Lx38 (disc, rim, protective shield)
	8		2	Tire 15.5R38
		S70-3100220-A-01¹⁾	2	Wheel 15.5R38 (assembled with tire) (4, 8)
	4	DW14Lx38-3107020-01	2	Wheel DW14Lx38 (disc, rim, protective shield) (4, 8)
	8		2	Tire 15.5R38
		85-3107020	2	Wheel 11.2R42
	4	50-3107050	2	Wheel DW8x42 (disc, rim) (4, 8)
	8		2	Tire 11.2R42
		50-3100030	2	Wheel 9.5-42
	4	50-3107050	2	Wheel DW8x42 (disc, rim) (4, 8)
	8		2	Tire 9.5-42
		50-3104010-A1	2	Rear wheel hub (1-3, 9, 10, 12-14)
	1	70-3104025	2	Insert
	2	50-3104015	2	Hub
	3	40-3104021	16	Bolt
	5	M16-6H.6.019 GOST 5915-70	8	Nut
	6	16 OT OST 37.001.115-75	8	Washer
	7	50-3107018-A	4	Weight (optional)
	9	70-3104019	2	Special nut (temporary)
	10	36-3104019	14	Nut
	11	7-34-108 or M16-6gx70.88.019 GOST 7802-81	8	Bolt
	12	50-3104028	8	Bolt
	13	27 L OST 37.001.115-75	8	Washer
	14	50-3104029	8	Spherical washer
	15	50-3104016	2	Key
¹⁾ With ballast weights				

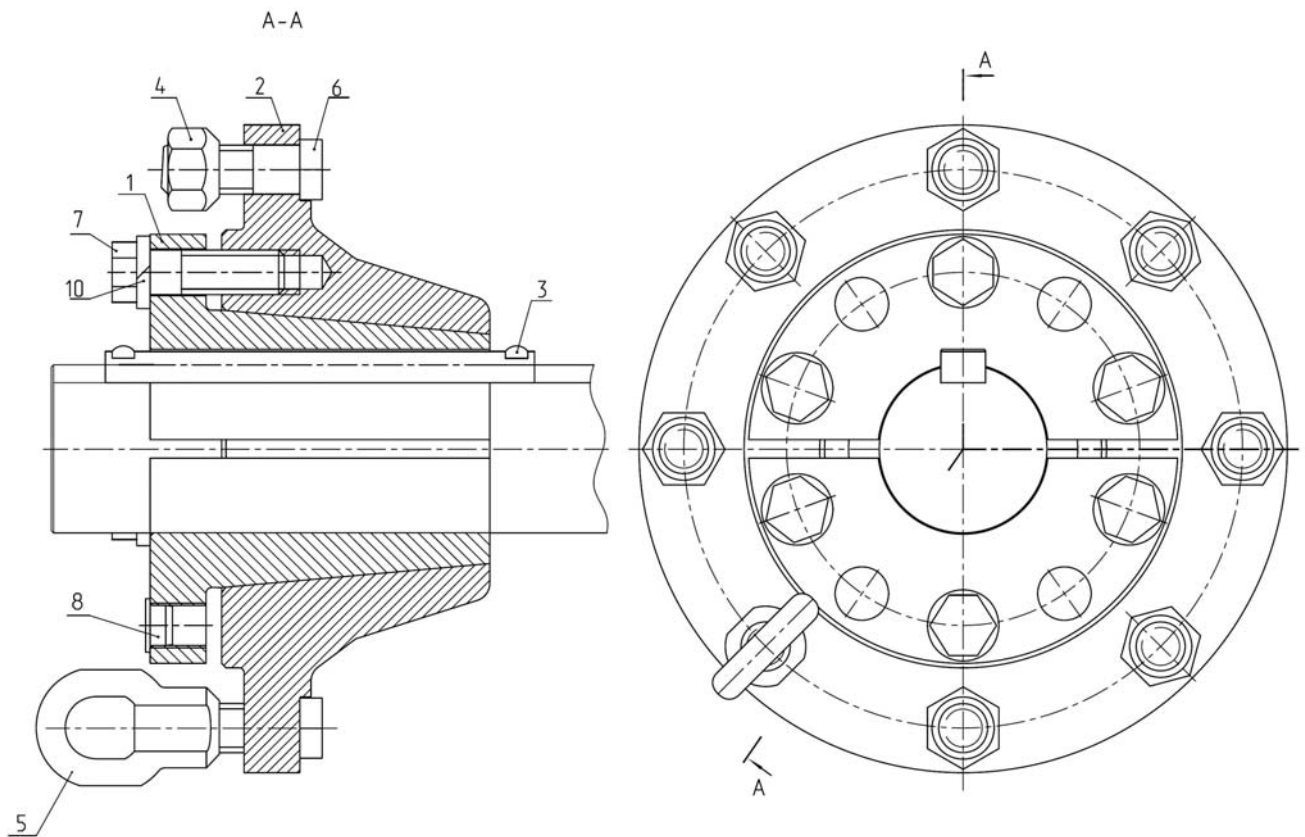


Fig.31.3. Wheel hub

Group 31. Wheels and hubs
Subgroup 3104.Rear wheels hubs

Fig.	Pos.	Designation	Q-ty	Description
31.3		1075-3104010	2	Wheel hub (1-8)
	1	1075-3104012	1	Insert
	2	1220-3104011	1	Hub housing
	3	50-3104016	1	Key
	4	36-3104019	7	Nut
	5	70-3104019	1	Special nut
	6	40-3104021	8	Bolt
	7	70-4605036	6	Bolt
	8	80-3405038-03	4	Plug
	10	20 OT OST 37.001.115-75	6	Washer

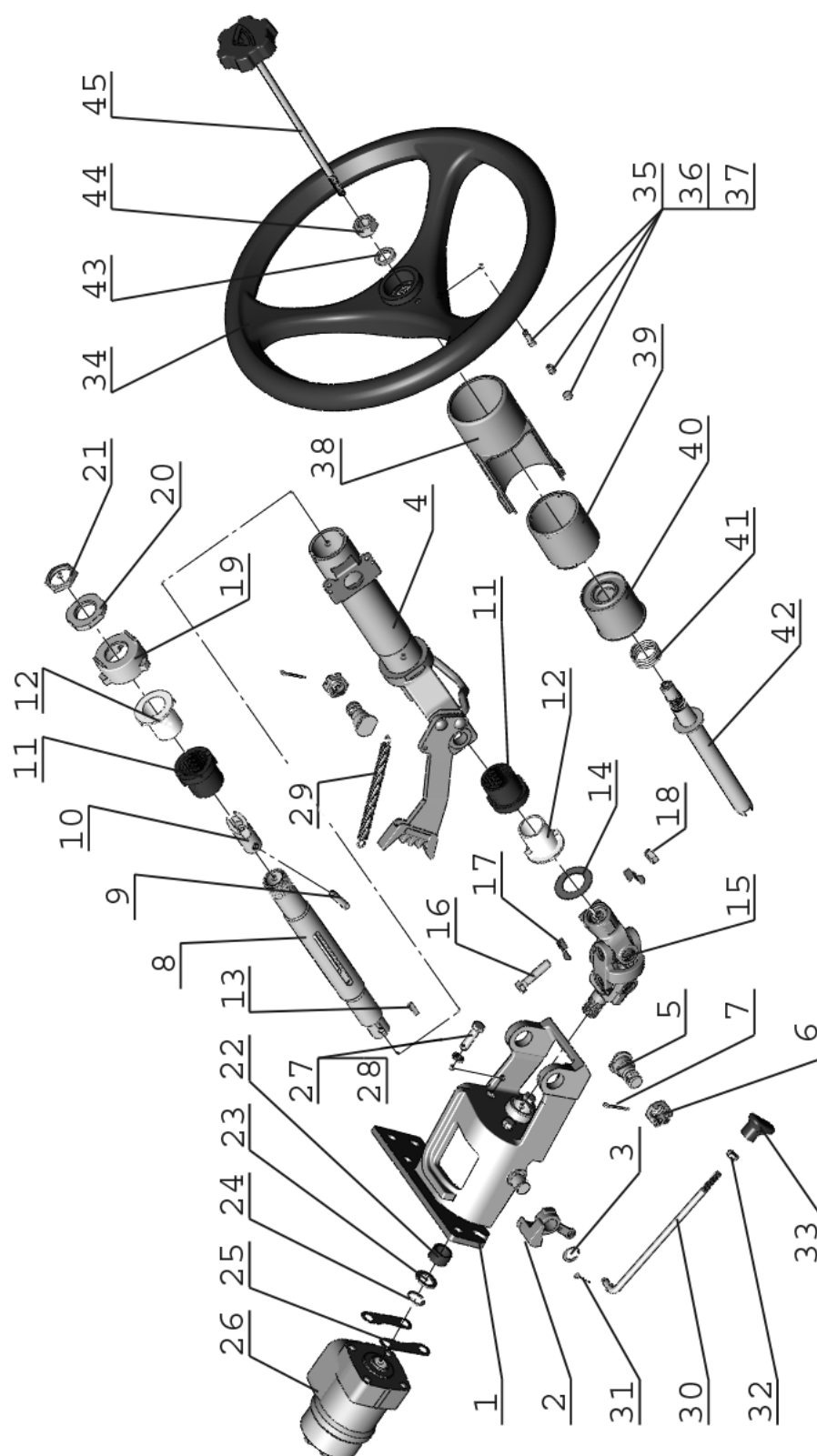


Fig. 34.1. Steering column

Group 34. Steering
Subgroup 3401. Steering column

Fig.	Pos.	Designation	Q-ty	Description
34.1		85-3401010	1	Steering column (1-24, 29)
		70-3401050-B	1	Shaft (8-10)
	1	85-3401120	1	Bracket
	2	85-3401014-01	1	Detent
	3	S18 GOST 13940-86	1	Ring
	4	85-3401080	1	Pipe
	5	85-3401011	2	Screw
	6	70-3003032	2	Nut
	7	4x25.019 GOST 397-79	2	Split pin
	8	70-3401055	1	Intermediate shaft
	9	SHTSK 8x36	1	Dowel
	10	70-3401054-B	1	Shaft end
	11	70-3401077-B	2	Shock adsorber
	12	70-3401076	2	Bushing
	13	SSH-510	1	Semi-circular key 5x10
	14	600-3401012	1	Washer
	15	85-3401150	1	Cardan
	16	M10-6gx45.88.35.019 GOST 7795-70	1	Bolt
	17	80-3401013	2	Washer
	18	M10-6H.04.019 GOST 5916-70	1	Nut
	19	80-3709022	1	Bump stop
	20	70-3401078	1	Nut
	21	70-3401079	1	Locknut
	22	85-3401016	1	Bushing
	23	80-3401019	1	Washer
	24	S20 GOST 13940-86	1	Ring
	25	85-3401002	max.12	Gasket
	26	OSPC160 ON150G0030 or HKUS 160/4-140HP-02/3 or SUB 160.140-200-1	1	Dosing pump
	27	M10-6gx35.88.35.019 GOST 7796-70	4	Bolt
	28	10 OT OST 37.001.115-75	4	Washer
	29	50-1310158-B	1	Spring
	30	822-3401001-03	1	Rod
	31	2x16.019 GOST 397-79	1	Split pin
	32	M8-6H.6.019 GOST 5915-70	1	Nut
	33	70-4803060	1	Handle
	34	85-3402015 or 70-3402015-A1 or 70-3402015-A2	1	Steering wheel
	35	822-3401171	1	Pin
	36	822-3401172	1	Spring
	37	822-3401173	1	Plug
	38	80-3709024	1	Cover
	39	80-3709025	1	Inner bushing
	40	80-3709026-B	1	Middle bushing
	41	50-4608057	1	Spring
	42	85-3401175	1	Shaft
	43	16L OST 37.001.115-75	1	Washer
	44	M16x1,5-6H.6.019 GOST 5915-70	1	Nut
	45	822-3401140-A1	1	Clamp

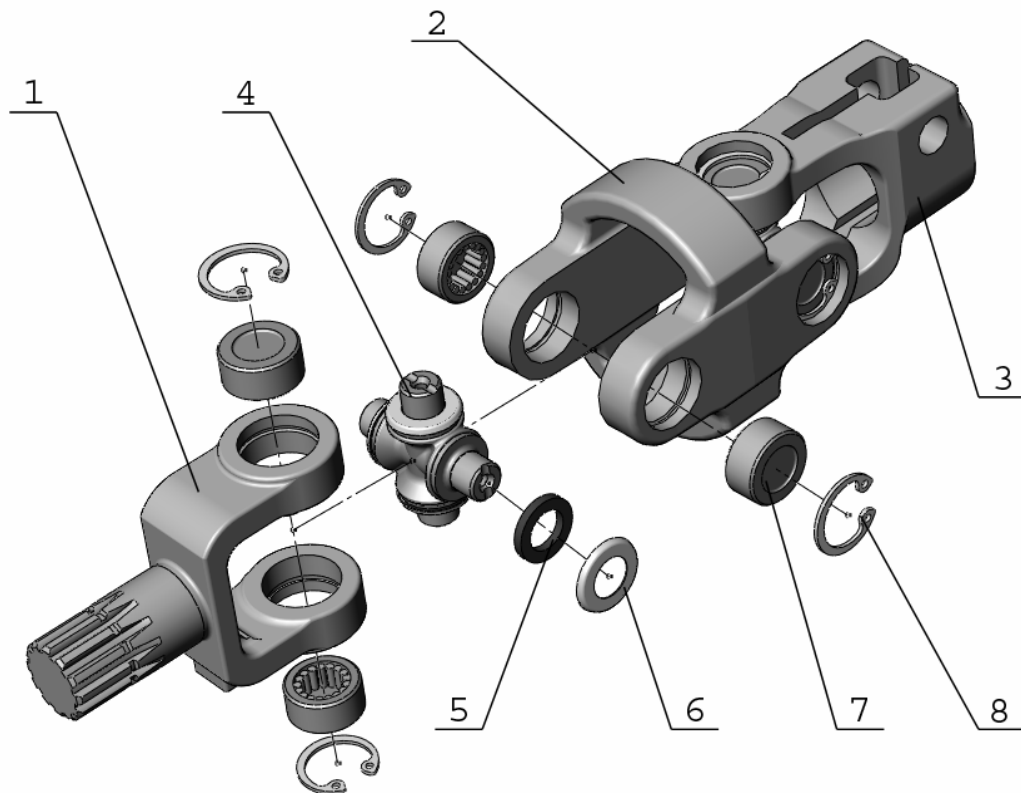


Fig. 34.2. Cardan

Group 34. Steering
Subgroup 3401. Cardan

Fig.	Pos.	Designation	Q-ty	Description
34.2		85-3401150	1	Cardan
	1	85-3401156-B	1	Yoke
	2	85-3401067	1	Yoke
	3	50-3401061-A	1	Yoke
	4	50-3401062	2	Cross
	5	50-3401064	8	Gland seal
	6	50-3401063	8	Cage
	7	904700 US17 TU 37.006.065-90	8	Bearing
	8	S19 GOST 13943-86	8	Ring

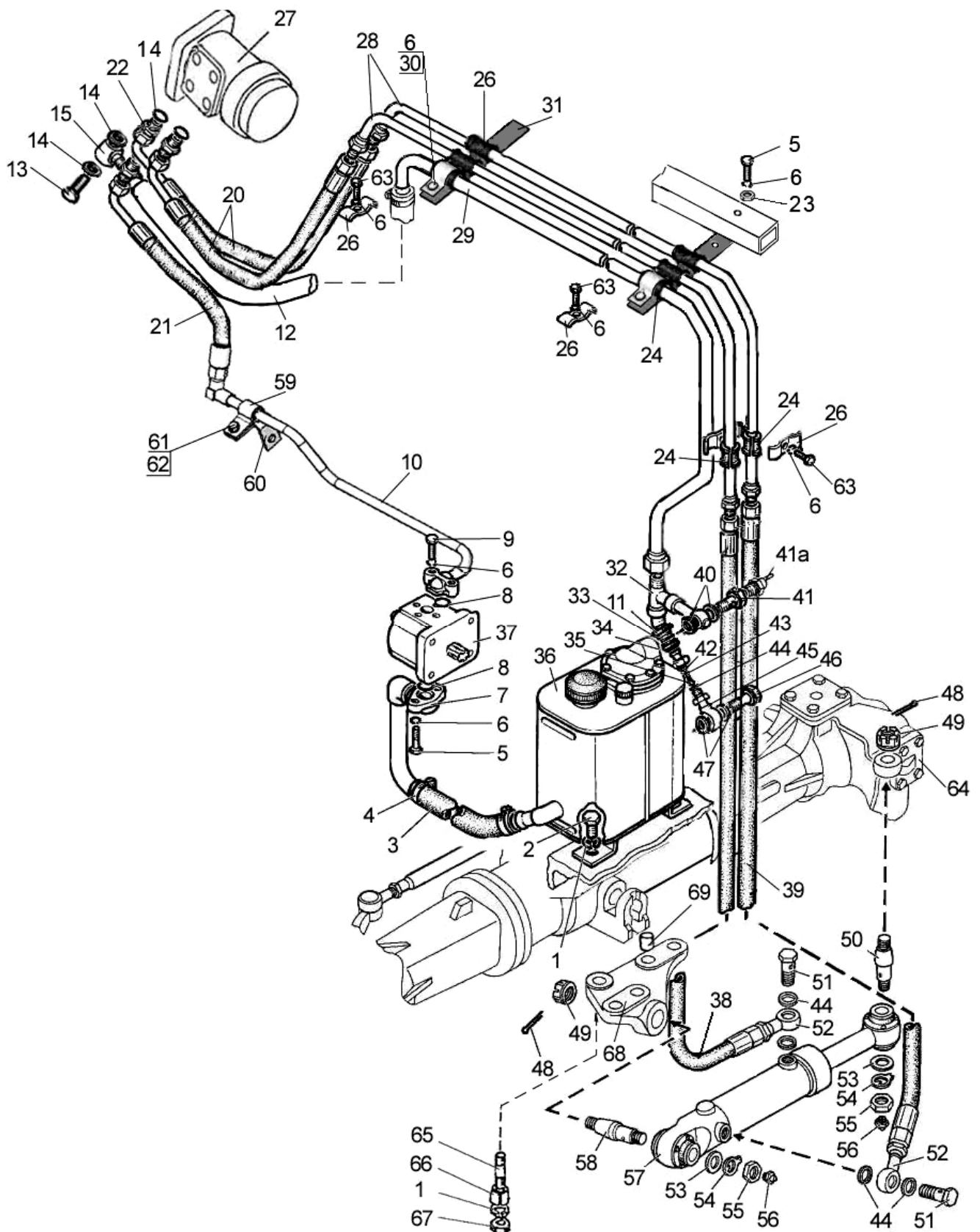
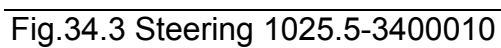


Fig.34.3 Steering 1025.5-3400010

Group 34. Steering
Subgroup 3407. Steering 1025.5-3400010

Fig.	Pos.	Designation	Q-ty	Description
34.3	1	16 OT OST 37.001.115-753	5	Washer
	2	M16-6gx25.88.35.019 GOST 7796-70	2	Bolt
	3	1221-3407012-03	1	Hose
	4	"NORMA" TORRO 25-40/9-C6W	2	Clamp
	5	M8-6gx45.88.35.019 GOST 7795-70	5	Bolt
	6	8T OST 37.001.115-75	12	Washer
	7	1025-3407030	1	Oil pipeline
	8	017-022-30-1-4 GOST 18829-73/9833-73	2	Ring
	9	M8-6gx40.88.35.019 GOST 7796-70	9	Bolt
	10	1025.5-3407020	1	Oil pipeline
	11	"NORMA" TORRO 16-25/9-C6W	4	Clamp
	12	952-3407014-06	1	Hose
	13	85-3407105-03	1	Bolt
	14	RM1/2	4	Washer
	15	922-3407080	1	Oil pipeline
	20	680-4607140-06	2	High-pressure hose
	21	1522V-3407100-02	1	High-pressure hose
	22	F80-3407134	3	Fitting
	23	M8-6H.6.019 GOST 5915-70	2	Nut
	24	70-3506027	8	Bushing
	26	703407146	3	Strip
	27	OSPC 160-ON150G0030 or LAGC 160-10/200-140 M01-100S or SUB 160-140.200-1	1	Dosing pump
	28	1025-3407040	2	Oil pipeline
	29	1025-3407060	1	Oil pipeline
	30	M8-6gx20.88.35.019 GOST 7796-70	3	Bolt
	31	921-3407016	2	Bracket
	32	923-3407050	1	T-piece
	33	600-3407083	1	Hose
	34	F80-3407111-01	1	Valve cover
	35	12,0-60 GOST 3722-81	1	Ball
	36	923-3407100-01	1	Tank
	37	NSH14D-3L or NSH14G-3L or 20A14x126	1	Gear pump
	38	952-3407100-02	1	High-pressure hose
	39	952-3407100-04	1	High-pressure hose
	40	RM 24	2	Washer
	41	1221-3407140-A-01	1	Valve
	41a	DADM-03	1	Emergency oil pressure sensor
	42	F80-3407113	1	Guide
	43	80-3407221	1	Spring
	44	RM3/8	5	Washer
	45	822-3407095	1	Valve housing
	46	40-4607032	1	Bolt
	47	RM1/2	2	Washer



Group 34. Steering
Subgroup 3407. Steering 1025.5-3400010

Fig.	Pos.	Designation	Q-ty	Description
34.3	48	4x36.019 GOST 397-79	2	Split pin
	49	102-3405113	2	Pin nut
	50	102-3405112-01	1	Pin
	51	F80-3407301	2	Bolt
	52	2022-3407202-A	2	Swivel angle piece
	53	S 20.01.019 GOST 11371-78	2	Washer
	54	F80-3405103	2	Lock washer
	55	M20x1,5-6H.04.019 GOST 15522-70	2	Nut
	56	1.1.TS9.chr GOST 19853-74	2	Oiler
	57	TS63-3405115-A-02	1	Hydraulic cylinder
	58	102-3405111	1	Pin
	59	50-4607041	1	Bracket
	60	85-3407102	1	Bracket
	61	M10-6gx20.88.35.019 GOST 7796-70	1	Bolt
	62	10 OT OST 37.001.115-75	1	Washer
	63	M8-6gx30.88.35.019 GOST 7796-70	1	Bolt
	64	1021-2308076	1	Bracket
	65	1520-2308079	3	Stud
	66	1520-2308077	3	Bushing
	67	M16-6H.6.019 GOST 5915-70	3	Nut
	68	822-2301023-B-01	1	Cylinder bracket
	69	D01-015	2	Dowel pin

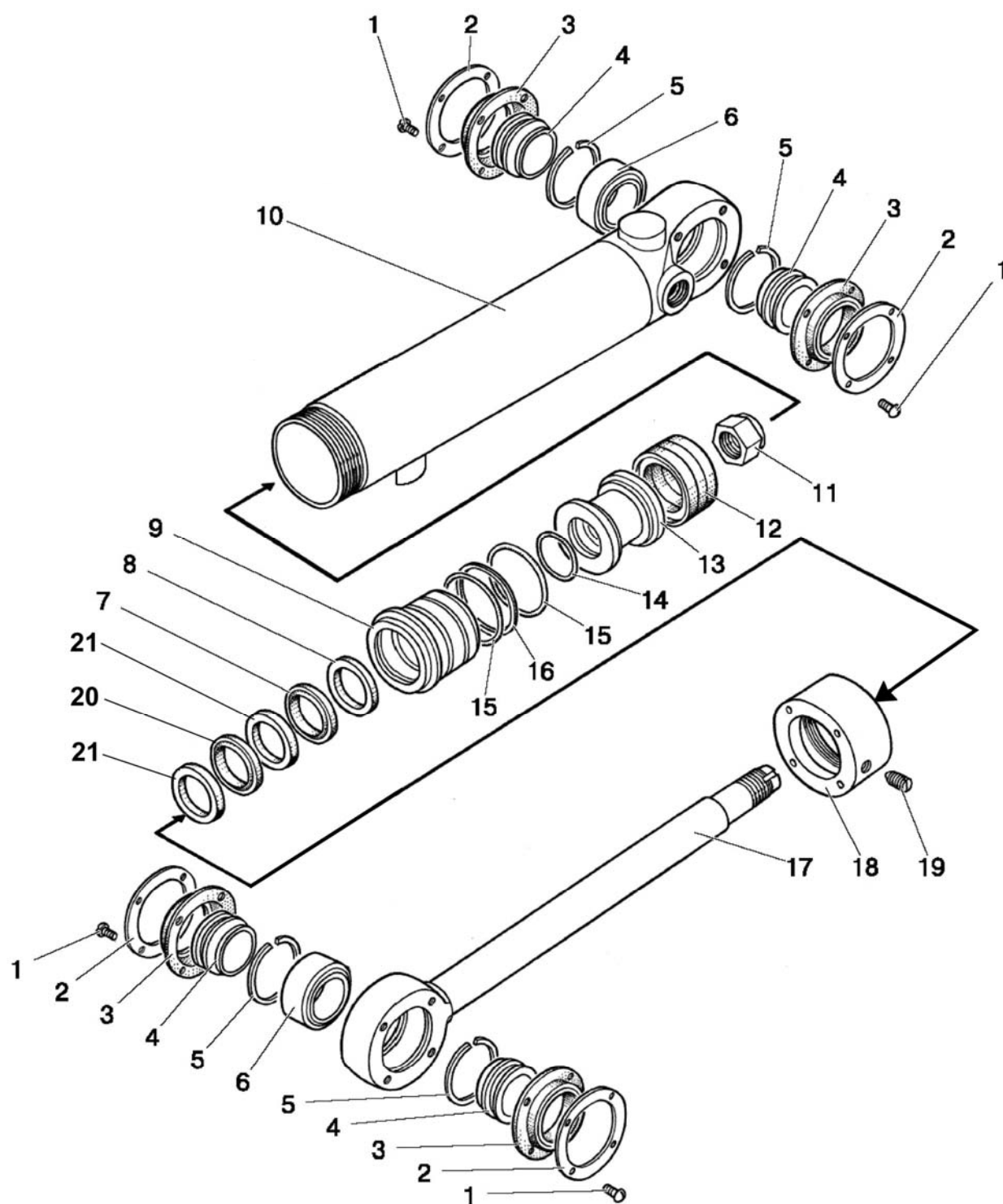


Fig. 34.4. Hydraulic cylinder TS63 (63x30-200)

Group 34. Steering
Subgroup 3405. Hydraulic cylinder TS63 (63x30-200)

Fig.	Pos.	Designation	Q-ty	Description
34.4		TS63-3405115-A-02	1	Hydraulic cylinder assy
	1	V.M5-6gx10.58.019 GOST 17473-80	16	Screw
	2	82.6-4713337	4	Pressure ring
	3	TS63-3405134	4	Cover
	4	TS63-3405127	4	Bushing
	5	S47 GOST 13941-86	4	Ring
	6	SHS-30 GOST 3635-78	2	Bearing
	7	24004799	1	Rod collar PU6 30-38,6-6,5
	8	24236861	1	Rod packing T20 30-38-5,7
	9	TS63-3405118-B	1	Front cover
	10	TS63-3405120-02	1	Housing
	11	TS50-3405222	1	Piston nut
	12	24251803	1	Piston seal L43 63-47-20,5
	13	TS63-3405123	1	Piston
	14	030-034-25-1-4 GOST 18829-73/9833-73	1	Ring
	15	055-063-46-1-4 GOST 18829-73/9833-73	2	Ring
	16	TS63-3405128 or 82.6-4713327	1	Safety ring
	17	TS63-3405121	1	Rod
	18	TS63-3405124	1	Sleeve nut
	19	A.M8-6gx10.45H.40X.05 GOST 8878-93	1	Screw
	20	24223129	1	Rod packing OMS-MR 30-37,3-3
	21	24226046	2	Rod guide SB 30-33-5,5

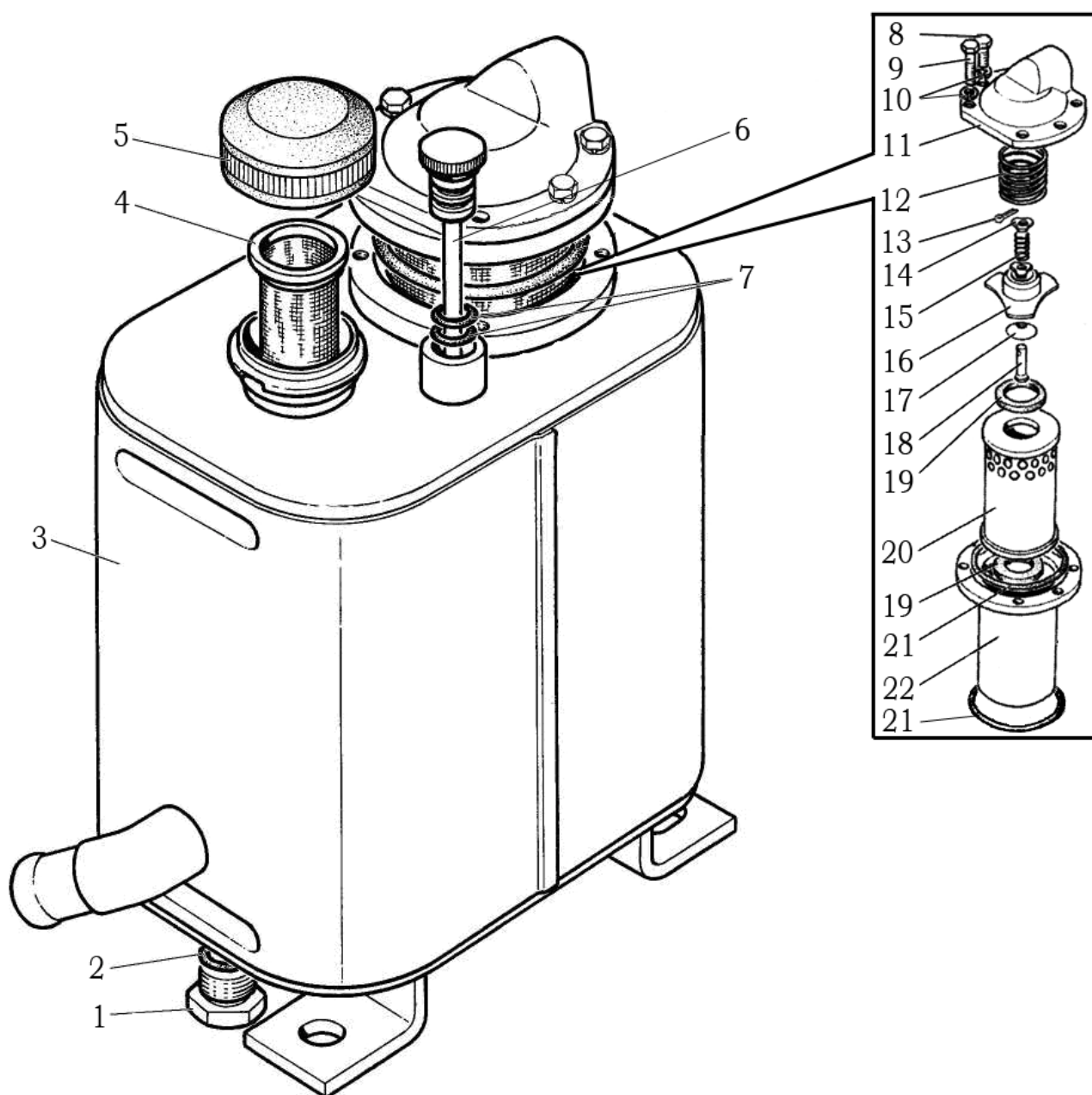


Fig.34.5. Tank

Group 34. Steering
Subgroup 3407. Tank

Fig.	Pos.	Designation	Q-ty	Description
34.5		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
	3	923-3407120-01	1	Tank
	4	A61-S06-A3	1	Filter
	5	240-3707200	1	Plug
	6	082-4608130	1	Oil gauge
	7	011-015-25-2-4 GOST 18829-73/9833-73	2	Ring
	8	M6-6gx16.88.35.019 GOST 7798-70	2	Bolt
	9	M6-6gx25.88.35.019 GOST 7798-70	4	Bolt
	10	6T OST 37.001.115-75	4	Washer
	11	220-4608051-01	1	Cover
	12	50-4608057	1	Spring
	13	1,6x12.019 GOST 397-79	1	Split pin
	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	075-080-30-1-4 GOST 18829-73/9833-73	2	Ring
	22	220-4608060	1	Body

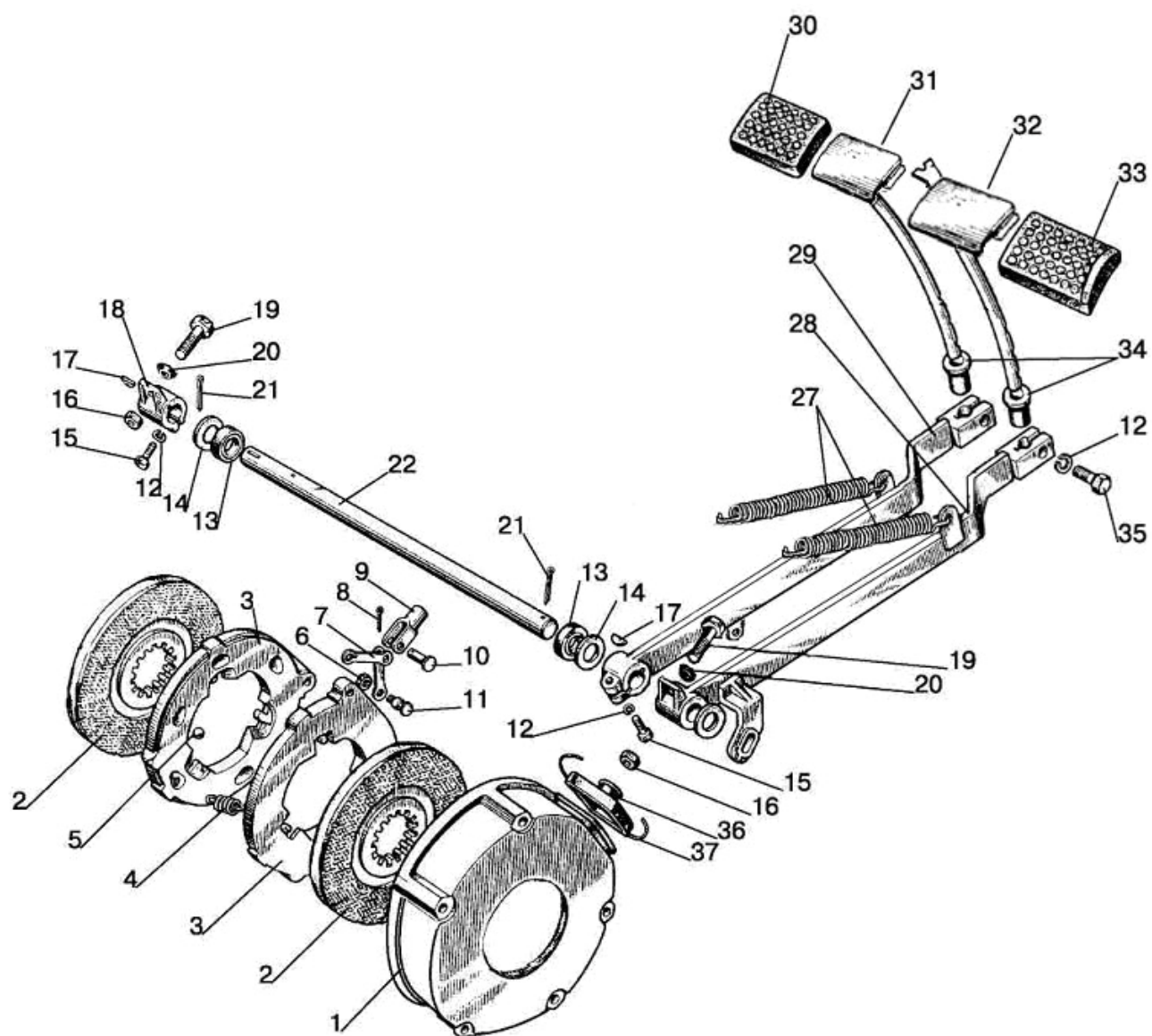


Fig. 35.1. Brakes. Brake control (dry friction)

Group 35. Brakes
Subgroup 3502, 3503. Brakes. Brake control (dry friction)

Fig.	Pos.	Designation	Q-ty	Description
35.1		85-3502010	2	Brake (1-11,36,37)
		85-3502030	2	Pressure discs (3-11)
		70-3503080	2	Brakes rod (16,19, 20)
		80-3503080	1	Right pedal (32, 33)
		80-3503090	1	Left pedal (30, 31)
	1	85-3502035	2	Casing
	2	85-3502040-01 or 85-3502040-04	4	Brake disc
	3	85-3502036	4	Pressure plate
	4	77.38.163	6	Spring
	5	22,225-100 GOST 3722-81	10	Ball
	6	M8-6H.6.019 GOST 5915-70	4	Nut
	7	85-3502196	4	Rod
	8	3,2x18.019 GOST 397-79	2	Split pin
	9	50-3502203	2	Yoke
	10	12x32 OST 37.001.163-75	2	Pin
	11	50-3502198	4	Pin
	12	12 OT OST 37.001.115-75	4	Washer
	13	2.2-25x42-1	2	Collar
	14	50-3503071	3	Washer
	15	M12-6gx35.88.35.019 GOST 7796-70	2	Bolt
	16	M12x1,25-6H.04.019 GOST 5916-70	2	Nut
	17	SSH-611	2	Key 6x11
	18	70-3503017-A	1	Lever
	19	70-3503019	2	Bolt
	20	70-3503018	2	Washer
	21	5x36.019 GOST 397-79	2	Split pin
	22	50-3503015	1	Shaft
	27	50-1605152	2	Spring
	28	80-3503110	1	Lever
	29	80-3503120	1	Lever
	30	A13.34.001	1	Pad
	31	80-3503140	1	Left pedal
	32	80-3503130	1	Right pedal
	33	A13.33.002	1	Pad
	34	80-3503158-A	2	Sealant
	35	M12-6gx30.88.35.019 GOST 7796-70	2	Bolt
	36	50-3502202	2	Cover
	37	1,6-O-S GOST 3282-74	2	Wire

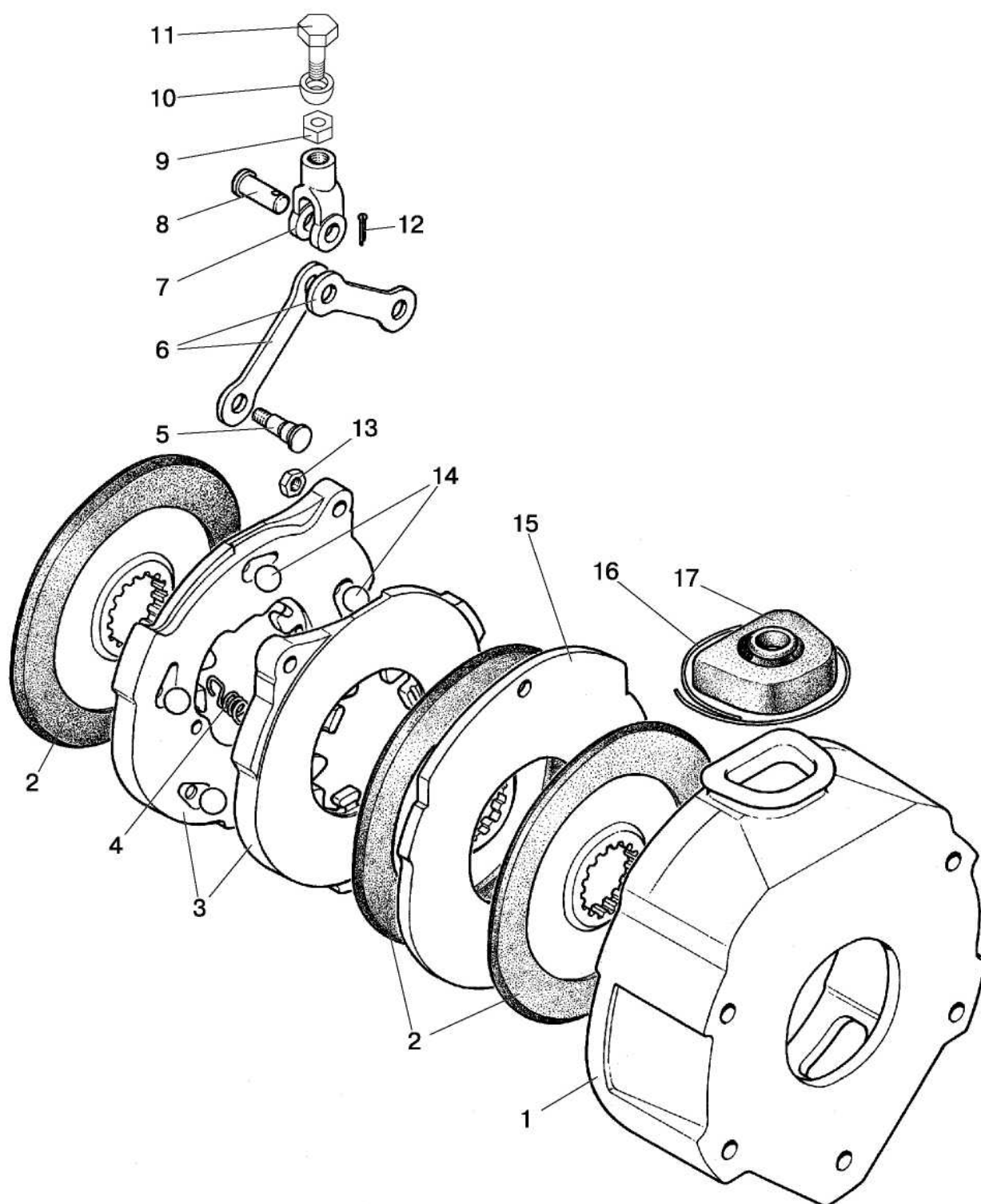


Fig. 35.2. Brakes (design variant)

Group 35. Brakes
Subgroup 3502. Brakes (design variant)

Fig.	Pos.	Designation	Q-ty	Description
35.2		1522-3502010	2	Brake (1-8, 12-17)
		70-3503080	2	Brakes rod (9,10,11)
		85-3502030	2	Pressure plate (3-8,12-14)
	1	1522-3502035	2	Casing
	2	85-3502040-01 or 85-3502040-04	6	Disc
	3	85-3502036	4	Pressure plate
	4	77.38.163	6	Spring
	5	50-3502198	4	Pin
	6	85-3502196	4	Rod
	7	50-3502203	2	Yoke
	8	12x32 OST 37.001.163-75	2	Pin
	9	M12x1,25-6H.04.019 GOST 5916-70	2	Nut
	10	70-3503018	2	Washer
	11	70-3503019	2	Bolt
	12	3,2x18.019 GOST 397-79	2	Split pin
	13	M8-6H.6.019 GOST 5915-70	4	Nut
	14	22,225-100 GOST 3722-81	10	Ball
	15	1522-3502037-B	2	Disc
	16	1,6-O-S GOST 3282-74 300 mm	2	Wire
	17	50-3502202	2	Cover

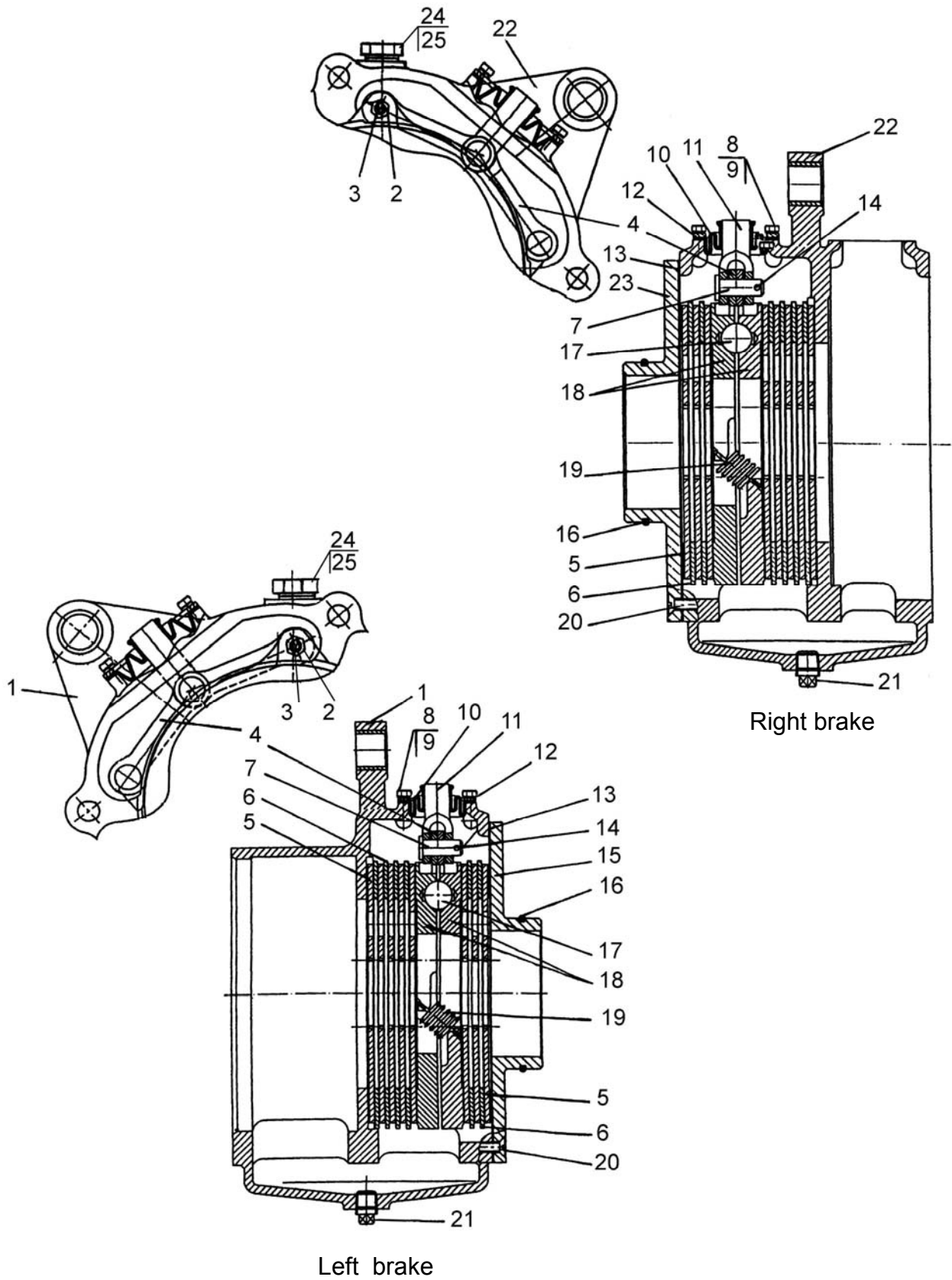


Fig.35.3. "Wet" brakes (left/right)

Group 35.Brakes
Subgroup 3502. "Wet" brakes (left/right)

Fig.	Pos.	Designation	Q-ty	Description
35.3		1221M-3502010	1	Right brake (2-14,16-20,22,23)
		1221M-3502020	1	Left brake (1-20)
		85-3502030-01	2	Pressure discs (2,3,4,7,11,14,17-19)
	1	1221M-2409035	1	Housing
	2	M8-6H.6.019 GOST 5915-70	4	Nut
	3	50-3502198	4	Pin
	4	85-3502196	4	Rod
	5	1522-3502015-07	16	Disc
	6	80M-3502037	12	Intermediate disc (S=3,0mm)
		80M-3502037-01	*	Intermediate disc (S=3,2mm)
		80M-3502037-02	*	Intermediate disc (S=3,4mm)
		80M-3502037-03	*	Intermediate disc (S=3,6mm)
		80M-3502037-04	*	Intermediate disc (S=3,8mm)
		80M-3502037-05	*	Intermediate disc (S=4,0mm)
		80M-3502037-06	*	Intermediate disc (S=4,2mm)
		80M-3502037-07	*	Intermediate disc (S=4,4mm)
	7	12x32 OST 37.001.163-75	2	Pin
	8	M6-6gx12.88.35.019 GOST 7798-70	8	Bolt
	9	6T OST 37.001.115-75	8	Washer
	10	80M-3502202	2	Cover
	11	50-3502203	2	Yoke
	12	80M-3502204	2	Plate
	13	1221M-3502051	2	Gasket
	14	3,2x18.019 GOST 397-79	2	Split pin
	15	85M-2407059	1	Body cover (left)
	16	TSS110-1414045-4	2	Ring
	17	22,225-100 GOST 3722-81	10	Ball
	18	85-3502036-01	4	Pressure plate
	19	77.38.163	6	Spring
	20	V.M8-6gx25.58.019 GOST 17475-80	6	Screw
	21	PK KG ³ / ₈ "	4	Plug
	22	1221M-3502035	1	Housing
	23	85M-2407059-01	1	Body cover (right)
	24	1221-1802091	2	Plug
	25	D18-055-A	2	O-Ring
* Selected during assembly to achieve required play				

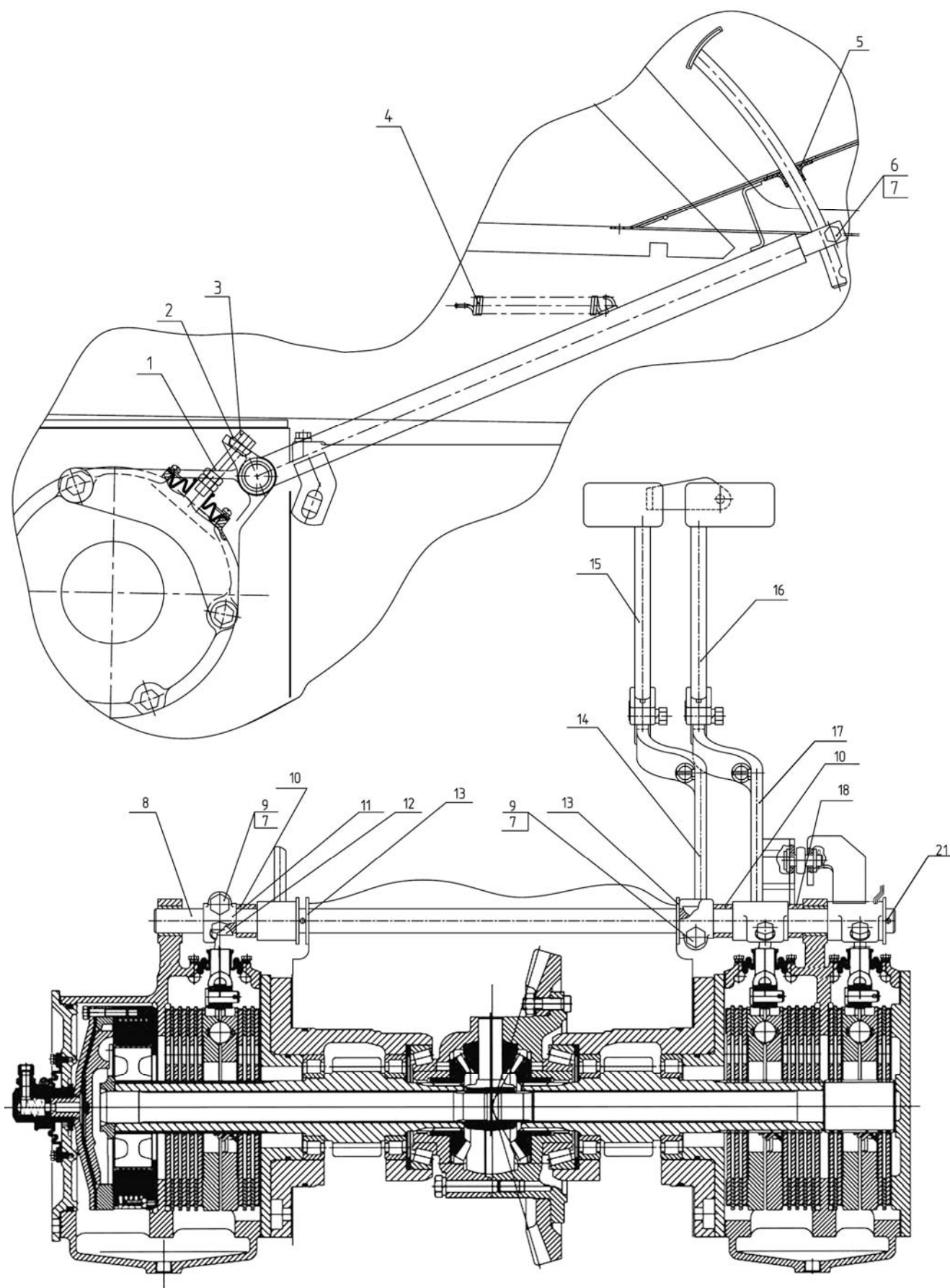


Fig. 35.4. Brakes. "Wet" brake control

Group 35. Brakes
Subgroup 3503. Brakes. "Wet" brake control

Fig.	Pos.	Designation	Q-ty	Description
35.4		70-3503080	3	Rod (1-3)
	1	M12x1,25-6H.04.019 GOST 5916-70	2	Nut
	2	70-3503018	2	Washer
	3	70-3503019	2	Bolt
	4	50-1605152	2	Spring
	5	80-3503158-A	2	Sealant
	6	M12-6gx30.88.35.019 GOST 7796-70	2	Bolt
	7	12 OT OST 37.001.115-75	4	Washer
	8	1221M-3503015	1	Shaft
	9	M12-6gx35.88.35.019 GOST 7796-70	2	Bolt
	10	1221M-3503016-01	2	Bushing
	11	70-3503017-A	1	Lever
	12	SSH-611	2	Key 6x11
	13	50-3503071	4	Washer
	14	80-3503120	1	Lever
	15	80-3503140	1	Left pedal
	16	80-3503130	1	Right pedal
	17	80M-3503110	1	Lever
	18	1221M-3503016	1	Bushing
	21	5x36.019 GOST 397-79	2	Split pin

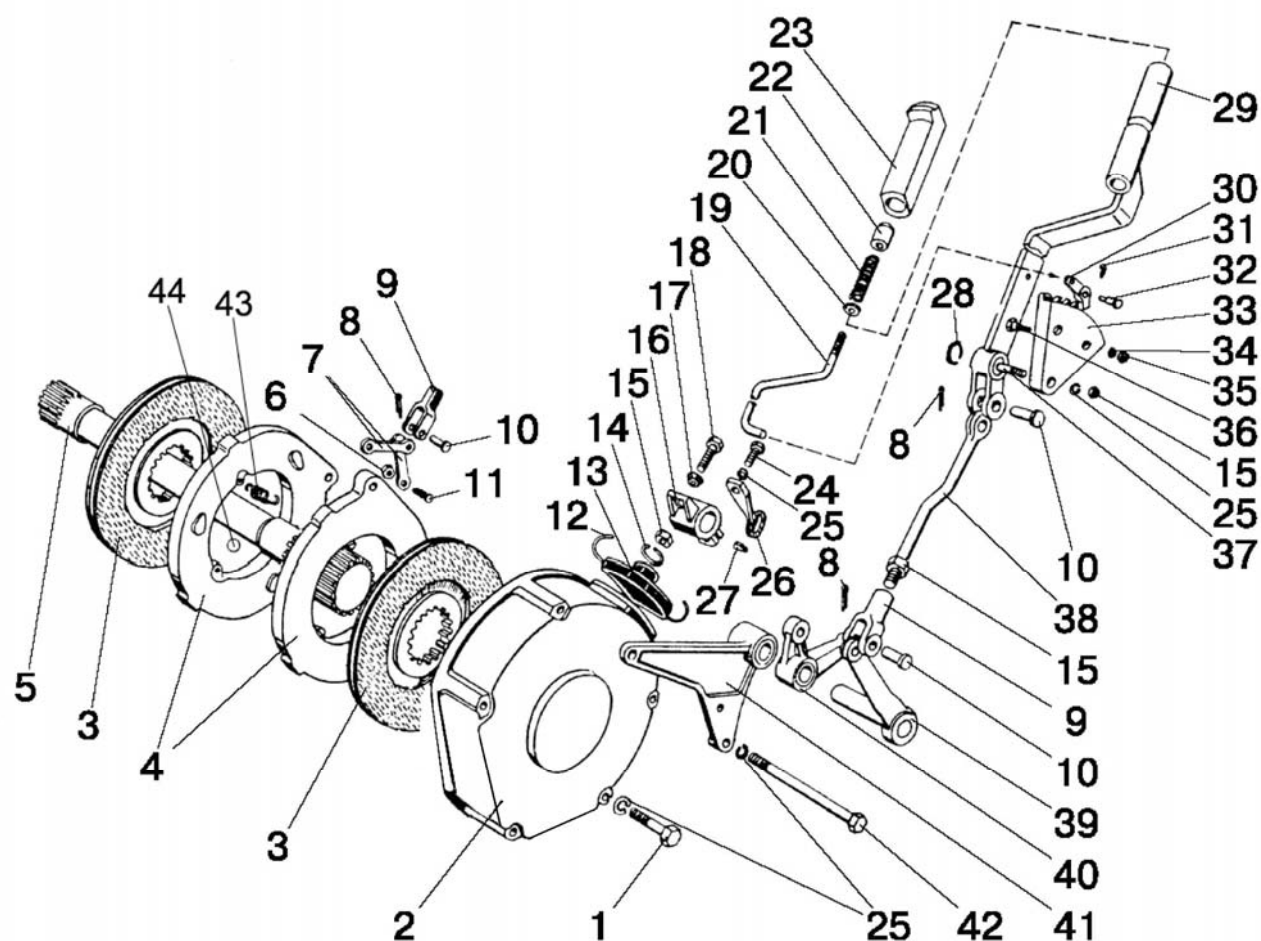


Fig. 35.5. Parking brake. Parking brake control

Group 35. Brakes. Subgroup 3504, 3507.**Emergency-parking brake. Emergency-parking brake control**

Fig.	Pos.	Designation	Q-ty	Description
35.5		50-3502010	1	Brake (2-4, 6-14, 43, 44)
		50-3502030-A	1	Pressure plate (4, 6-11, 43, 44)
		70-3503080	1	Brakes rod (15, 17, 18)
		85-3507120-01	1	Lever (19-23, 29-32)
		900-3507140 ¹⁾ 80-3507240 ²⁾	1	Rod (9, 15, 38)
		85-3507150-02	1	Bracket (16, 24-27, 39-41)
	1	M12-6gx180.58.019 GOST 7795-70 ¹⁾ M12-6gx200.58.019 GOST 7795-70 ²⁾	3	Bolt
	2	50-3502035-A2	1	Casing
	3	70-3502040-01 or 70-3502040-04	2	Disc
	4	50-3502036-B	2	Pressure plate
	5	70-3504055 ¹⁾ 70-3504055-01 ²⁾	1	Shaft
	6	M8-6H.6.019 GOST 5915-70	2	Nut
	7	50-3502196	2	Rod
	8	3,2x18.019 GOST 397-79	3	Split pin
	9	50-3502203	2	Yoke
	10	12x32 OST 37.001.163-75	3	Pin
	11	50-3502198	2	Pin
	12	1,6-O-S GOST 3282-74	1	Wire 300mm
	13	50-3502202	1	Cover
	14	36-1702358	1	Clip ring
	15	M12x1,25-6H.6.019 GOST 5915-70	3	Nut
	16	70-3503017-A	1	Lever
	17	70-3503018	1	Washer
	18	70-3503019	1	Bolt
	19	70-3507122-01	1	Rod
	20	S 5.01.019 GOST 11371-78	1	Washer
	21	55-17-27	1	Spring
	22	A13.19.002	1	Button
	23	A13.19.001-A	1	Handle
	24	M12-6gx40.88.35.019 GOST 7796-70	1	Bolt
	25	12 OT OST 37.001.115-75	7	Washer
	26	70-3514107 ¹⁾ 80-3514107 ²⁾	1	Lever
	27	SSH-611	1	Key
	28	S15 GOST 13940-86	1	Ring
	29	85-3507130-01	1	Lever
	30	50-1606026	1	Latch
	31	2x12.019 GOST 397-79	1	Split pin
	32	70-3507024	1	Axle
	33	70-3507021 -B	1	Sector segment
	34	10 OT OST 37.001.115-75	2	Washer
	35	M10-6H.6.019 GOST 5915-70	2	Nut
	36	M10-6gx35.88.35.019 GOST 7796-70	2	Bolt
	37	70-3507132-B-01	1	Axle
	38	900-3507141 ¹⁾ 80-3507241 ²⁾	1	Rod
	39	85-3507060	1	Lever
	40	1221-3507072	1	Bushing
	41	70-3507070-01	1	Bracket
	42	M12-6gx200.58.019 GOST 7795-70 ¹⁾ 1522-2409034-03 ²⁾	2	Bolt
	43	77.38.163	3	Spring
	44	22,225-100 GOST 3722-81	3	Ball

¹⁾ If twin-disc brakes are mounted²⁾ If three-disc brakes are mounted

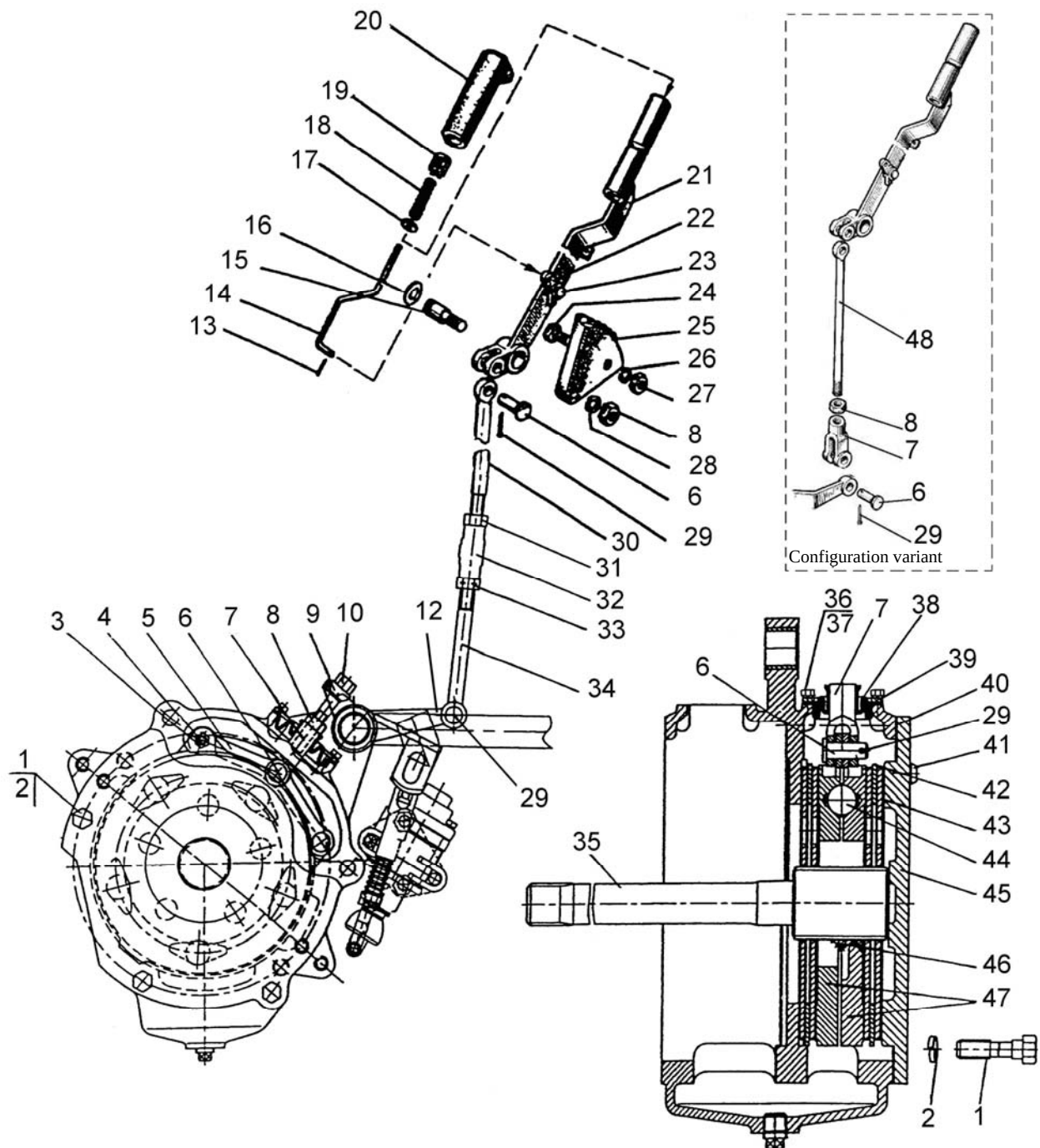


Fig.35.6. Parking brake. Parking brake control
(for "wet" brakes)

Group 35. Brakes Subgroup 3504, 3507. Emergency-parking brake.**Emergency-parking brake control (for "wet" brakes)**

Fig.	Pos.	Designation	Q-ty	Description
35.6		952M-3507140 ²⁾	1	Rod (7, 8, 48)
		85-3502030-01	1	Pressure discs (3-7, 29, 44, 46, 47)
		952M-3507040 ¹⁾	1	Rod (30-34)
		70-3503080	1	Brakes rod (8-10)
		85-3507120-01	1	Lever (13-14, 17-23)
	1	1221M-3502039-01	5	Bolt
	2	14 OT OST 37.001.115-75	5	Washer
	3	M8-6H.6.019 GOST 5915-70	2	Nut
	4	50-3502198	2	Pin
	5	85-3502196	2	Rod
	6	12x32 OST 37.001.163-75	2 ^{1)/ 3 ²⁾}	Pin
	7	50-3502203	1 ^{1)/ 2 ²⁾}	Yoke
	8	M12x1,25-6H.6.019 GOST 5916-70	2 ^{1)/ 3 ²⁾}	Nut
	9	70-3503018	1	Washer
	10	70-3503019	1	Bolt
	12	1221M-3507060	1	Lever
	13	2x12.019 GOST 397-79	1	Split pin
	14	70-3507122-01	1	Rod
	15	70-3507132-B-01	1	Axle
	16	S15 GOST 13942-86	1	Ring
	17	S 5.01.019 GOST 6958-78	1	Washer
	18	55-17-27	1	Spring
	19	A13.19.002	1	Button
	20	A13.19.001-A	1	Handle
	21	85-3507130-01	1	Lever
	22	50-1606026	1	Latch
	23	70-3507024	1	Axle
	24	M10-6gx35.88.35.019 GOST 7796-70	2	Bolt
	25	70-3507021-B	1	Sector segment
	26	10 OT OST 37.001.115-75	2	Washer
	27	M10-6H.6.019 GOST 5915-70	2	Nut
	28	12 OT OST 37.001.115-75	1	Washer
	29	3,2x18.019 GOST 397-79	3	Split pin
	30	952M-3507041 ¹⁾	1	Rod
	31	M12-6H.6.019 GOST 5915-70 ¹⁾	1	Nut
	32	R50-4616043 ¹⁾	1	Coupling
	33	R50-4616038 ¹⁾	1	Nut
	34	952M-3507240 ¹⁾	1	Rod
	35	1221M-3504055	1	Shaft
	36	M6-6gx12.88.35.019 GOST 7798-70	4	Bolt
	37	6T OST 37.001.115-75	4	Washer
	38	80M-3502202	1	Cover
	39	80M-3502204	1	Plate
	40	1221M-3502051	1	Gasket
	41	50-1601352	2	Dowel pin
	42	80M-3502037	2	Intermediate disc (S=3,0mm)
		80M-3502037-01	*	Intermediate disc (S=3,2mm)
		80M-3502037-02	*	Intermediate disc (S=3,4mm)
		80M-3502037-03	*	Intermediate disc (S=3,6mm)
		80M-3502037-04	*	Intermediate disc (S=3,8mm)
		80M-3502037-05	*	Intermediate disc (S=4,0mm)
		80M-3502037-06	*	Intermediate disc (S=4,2mm)
		80M-3502037-07	*	Intermediate disc (S=4,4mm)
	43	1522-3502015-07	4	Disc
	44	22,225-100 GOST 3722-81	5	Ball
	45	1221M-3502034	1	Cover
	46	77.38.163	3	Spring
	47	85-3502036-01	2	Pressure plate
	48	952M-3507141 ²⁾	1	Rod

¹⁾ if double-lever GB is mounted²⁾ if single-lever GB is mounted

* Selected during assembly to achieve required play

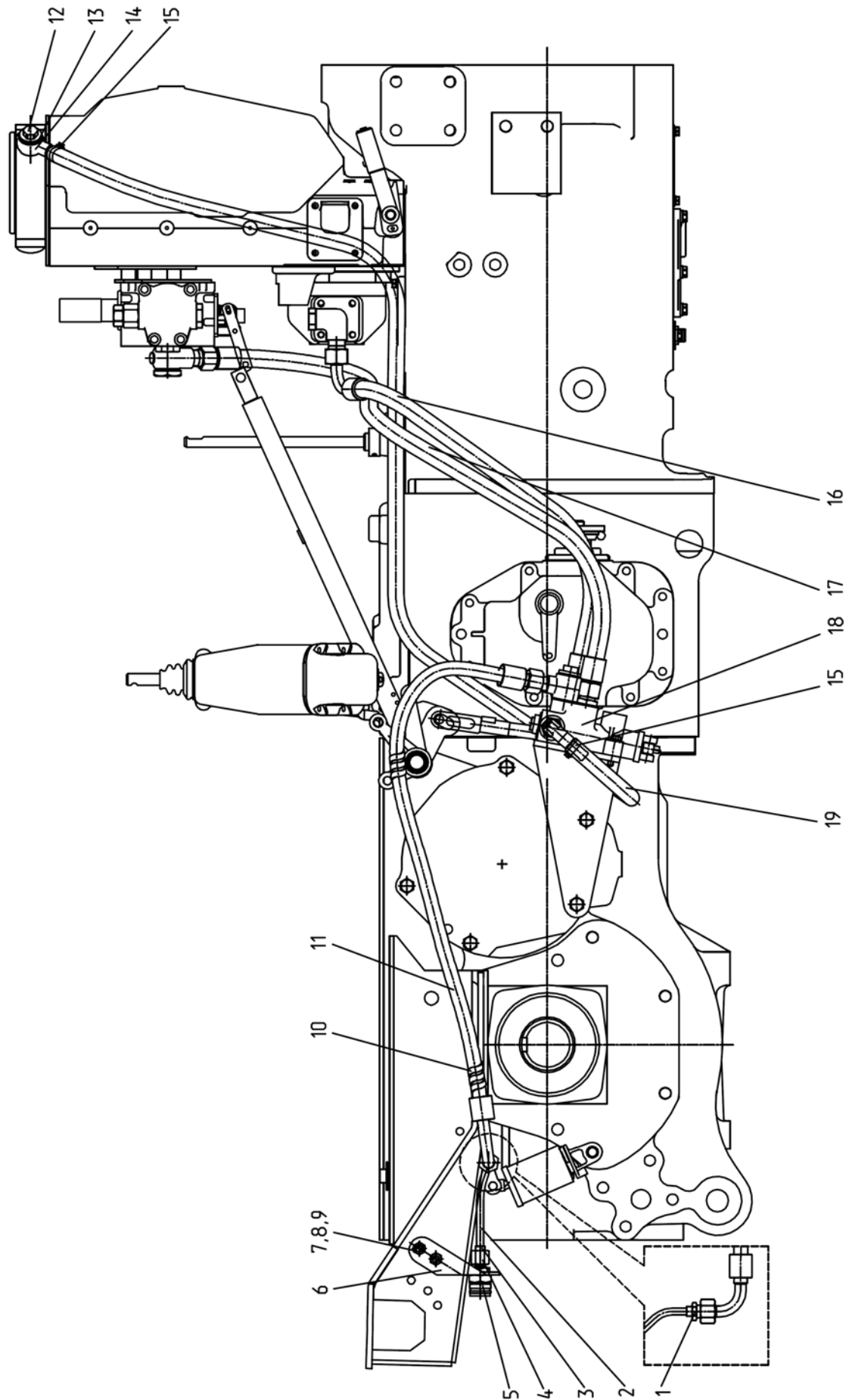


Fig. 35.7. Hydraulic drive

Group 35. Brakes
Subgroup 3503. Hydraulic drive

Fig.	Pos.	Designation	Q-ty	Description
35.7		1025-3503900 ¹⁾	1	Hydraulic drive (1-19)
		1025-3503900-01 ²⁾	1	Hydraulic drive (1-19)
		1025-3503900-02 ³⁾	1	Hydraulic drive (1-19)
		1025-3503930	1	Adapter (1- 4)
		920-3503920	1	Coupling (5-9)
	1	H.036.06.018	1	Welded fitting
	2	1025-3503932	1	Pipe
	3	920-3503931	1	Welded nipple
	4	D80-4607213	1	Nut
	5	«SAFIM» 15869	1	Male connector
	6	920-3503921	1	Bracket
	7	M10-6gx25.88.35.019 GOST 7796-70	2	Bolt
	8	M10-6H.6.019 GOST 5915-70	2	Nut
	9	10 OT OST 37.001.115-75	2	Washer
	10	GS2520, Germany or 552450025, Sweden or SP2025, Italy	1	Protective spiral Du=14mm L=(500±5)mm
	11	1522V-3407100-02	1	High-pressure hose
	12	40-4607032	1	Securing bolt
	13	40-4607038-A	2	Washer
	14	S80-4607380	1	Pipe
	15	NORMA TORRO 16-27/971 or "NORMA" TORRO 16-25/9-C6W	2	Clamp with worm thread 16-27
	16	952-4607140-07	1	High-pressure hose Ø16x2 reinforced
	17	P80-4607120-06	1	High-pressure hose Ø16x2 reinforced
	18	1025-3503910 ¹⁾	1	Brake valve (Fig.35.8)
		1025-3503910-01 ²⁾	1	Brake valve (Fig.35.8)
		1025-3503910-02 ³⁾	1	Brake valve (Fig.35.8)
	19	920-3503914	1	Hose. Sleeve 14x23-1,6 GOST 10362-76 L=(2000±5) mm
¹⁾ for tractors with "wet" brakes ²⁾ for tractors with "dry" twin-disc brakes ³⁾ for tractor with "dry" three-disc brakes				

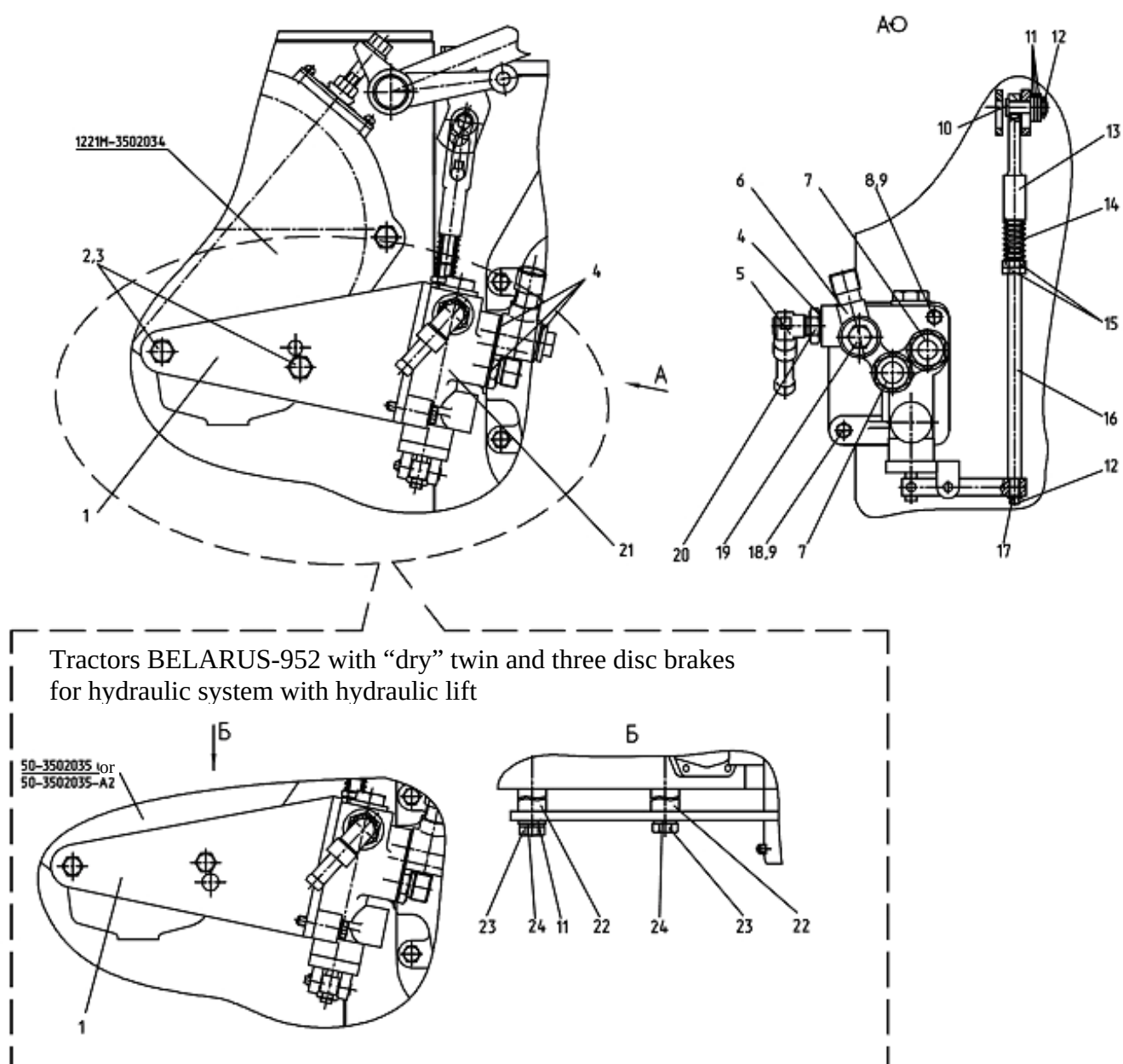


Fig. 35.8. Hydraulic drive

Group 35. Brakes
Subgroup 3503. Hydraulic drive

Fig.	Pos.	Designation	Q-ty	Description
35.8		1025-3503910 ¹⁾	1	Brake valve (1-21)
		1025-3503910-01 ²⁾	1	Brake valve (1-21)
		1025-3503910-02 ³⁾	1	Brake valve (1-24)
		920-3503120	1	Rod (13- 16)
	1	920-3503010	1	Bracket
	2	1221M-3502039-04 ¹⁾	2	Bolt
	3	14 OT OST 37.001.115-75 ¹⁾	2	Washer
	4	RM22	5	Washer
	5	70-3513015	1	Angle piece
	6	E1221-4607029	1	Angle piece
	7	920-3503925-01	2	Fitting
	8	M8-6gx55.88.35.019 GOST 7795-70	1	Bolt
	9	8T OST 37.001.115-75	2	Washer
	10	12x32 OST 37.001.163-97	1	Pin
	11	S.12.01.019 GOST 11371-79	3 ¹⁾	Washer
		S.12.01.019 GOST 11371-79	4 ^{2,3)}	Washer
	12	3,2x18.019 GOST 397-79	2	Split pin
	13	80-3514132	1	End piece
	14	DSSH-14.21.141	1	Spring
	15	M12x1,25-6H.04.019 GOST 5916-70	2	Nut
	16	920-3503121	1	Rod
	17	S.8.01.019 GOST 11371-78	1	Washer
	18	M8-6gx40.88.35.019 GOST 7795-70	1	Bolt
	19	1522-4607011-A	1	Bolt
	20	ML131-3500002	1	Adapter
	21	«SAFIM» 202104	1	Brake valve
	22	1025-3503911-01 ²⁾	2	Bushing
		1025-3503911 ³⁾		
	23	1522-2409034-04 ^{2,3)}	2	Bolt
	24	12 OT OST 37.001.115-75 ^{2,3)}	2	Washer
¹⁾ For tractors with "wet" brakes ²⁾ For tractors with "dry" twin-disc brakes ³⁾ For tractors with "dry" three disc brakes				

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

Fig.	Pos.	Designation	Q-ty	Description
35.9		920.5-3506505	1	Pneumatic drive (1-34)
		1025-3506560-02	1	Pipeline (6, 3-5)
		1021-3506620	1	Pipeline (14, 8, 9)
		1021-3506610	1	Pipeline (21, 8, 9)
		1021-3506020-02	1	Pipeline (30, 3-5)
		1025-3506540	1	Pipeline (31, 8, 9)
		1025-3506560-01	1	Pipeline (33, 3-5)
	1	1025-3521510	1	Coupling head (Fig.35.13)
	2	012-015-19-2-4 GOST 18829-73/GOST 9833-73	6	Ring
	3	1522-3506022	6	Nipple
	4	1522-3506024	6	Coupling
	5	1522-3506023	6	Sleeve nut
	6	1025-3506561-02	1	Pipe
	7	014-017-19-2-4 GOST 18829-73/GOST 9833-73	2	Ring
	8	70-3506028	2	Coupling
	9	70-3506023	2	Sleeve nut
	10	923-3513005	1	Cylinder (Fig.35.10)
	11	80-3512006	1	Locknut
	12	70-3506033	1	Angle piece
	13	A29.51.000 B or 80-3512010 or 11.3512010-30	1	Pressure regulator
	14	1021-3506621	1	Pipe
	15	70-3506027	2	Bushing
	16	1321-8700031	1	Clamp
	17	M8-6gx40.88.35.019 GOST 7795-70	1	Bolt
	18	8T OST 37.001.115-75	1	Washer
	19	M8-6H.6.019 GOST 5915-70	1	Nut
	20	S 8.01.019 GOST 11371-78	1	Washer
	21	1021-3506611	1	Pipe
	22	1025-3506623	1	Nut
	23	40-4607038-A	2	Washer
	24	1025-3506622	1	Fitting
	25	5000.02	2	Clamp with worm thread 16-27
	26	70-1405013	1	Hose
	27	M10-6gx30.88.35.019 GOST 7796-70	1	Bolt
	28	10 OT OST 37.001.115-75	1	Washer
	29	70-6804011	1	Holder
	30	1021-3506020-02	1	Pipe
	31	1025-3506550	1	Pipeline
	32	80M-3514005-02	1	Brake valve (Fig.35.11)
	33	1025-3506561-01	1	Pipe
	34	1025-3521505	1	Coupling head (Fig. 35.12)

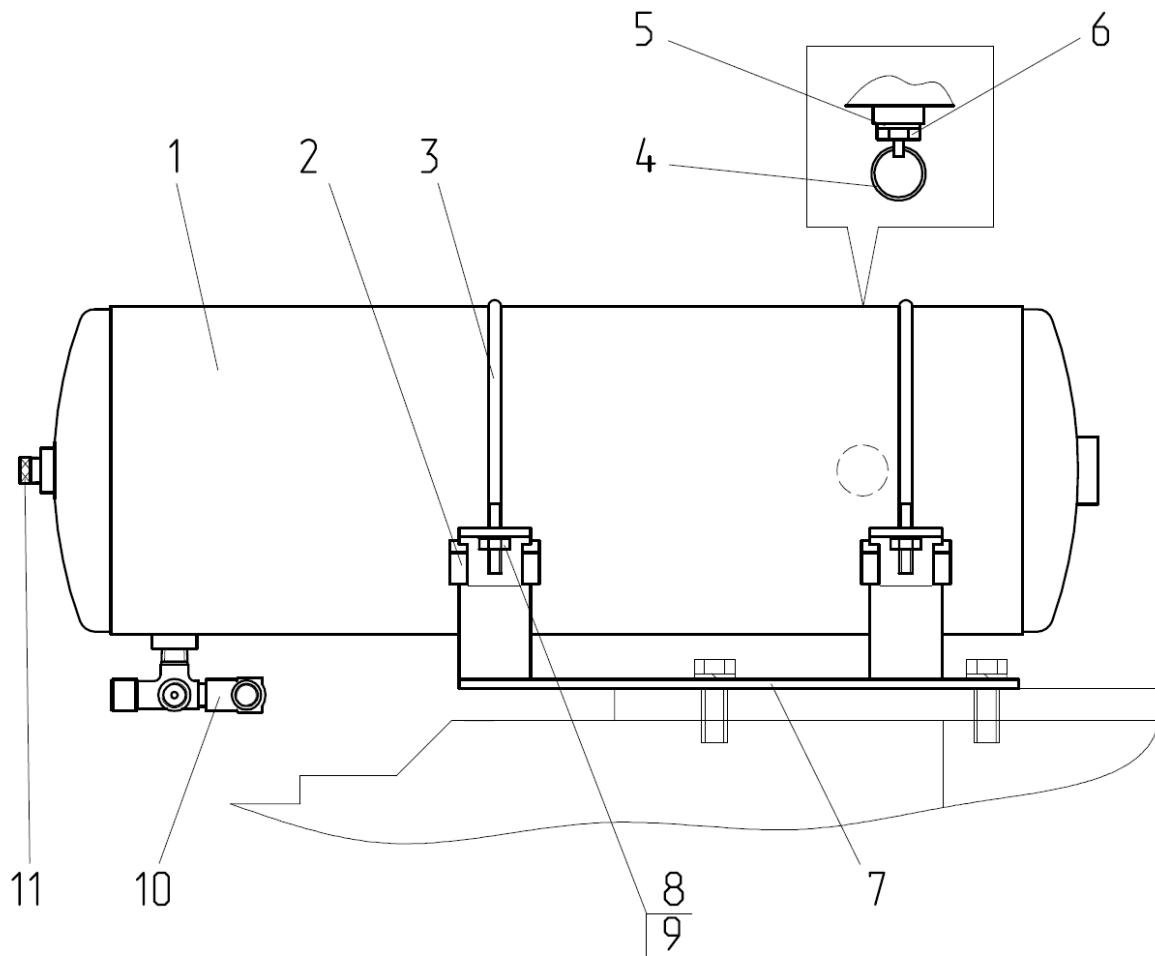


Fig. 35.10. Cylinder

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

Fig.	Pos.	Designation	Q-ty	Description
35.10		923-3513005	1	Cylinder (1-11)
	1	1021-3513020	1	Cylinder
	2	PR-43-01	4	Sealant
	3	V50-3513032	2	Clamp
	4	H50-4202146	1	Ring
	5	4600.21	1	Washer RM22
	6	85-3513110	1	Valve
	7	923-3513025	1	Bracket
	8	M6-6H.6.019 GOST 5915-70	2	Nut
	9	6T OST 37.001.115-75	2	Washer
	10	1021-3513015	1	T-piece
	11	PK KG 3/8"	1	Plug

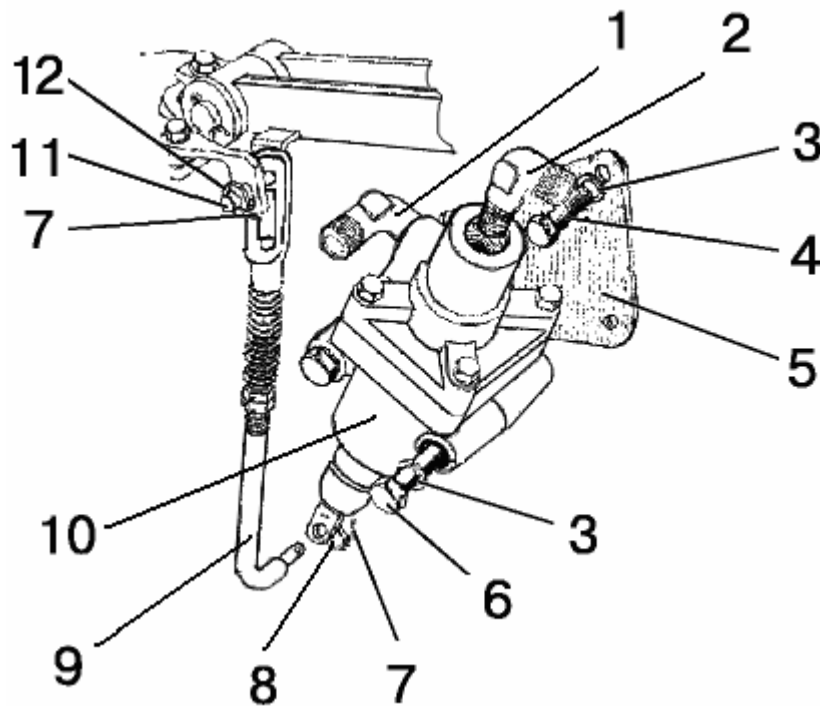


Fig. 35.11. Brake valve

Group 35.Brakes
Subgroup 3514. Brake valve

Fig.	Pos.	Designation	Q-ty	Description
35.11		80M-3514005-02	1	Brake valve (1-12)
	1	1522-3514033	1	Angle piece
	2	70-3506033	1	Angle piece
	3	10 OT OST 37.001.115-75	4	Washer
	4	M10-6gx40.88.35.019 GOST 7796-70	2	Bolt
	5	80M-3514109	1	Bracket
	6	M10-6gx70.88.35.019 GOST 7795-70	2	Bolt
	7	3,2x18.019 GOST 397-79	2	Split pin
	8	S.8.01.019 GOST 11371-78	1	Washer
	9	80-3514130 or 14.3514160	1	Rod
	10	A29.351.4010-02 or 80-3514010-02	1	Brake valve
	11	12x40 OST 37.001.163-97	1	Pin
	12	S.12.01.019 GOST 11371-79	2	Washer

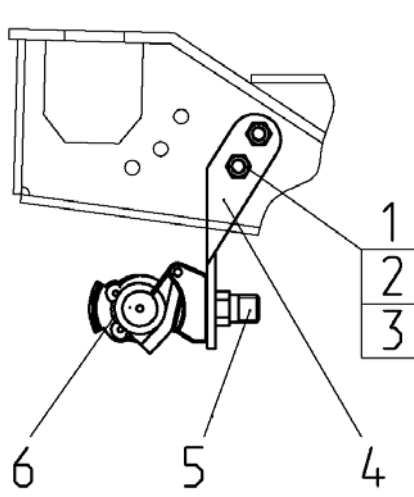


Fig. 35.12. Coupling head

Group 35.Brakes
Subgroup 3521. Coupling head

Fig.	Pos.	Designation	Q-ty	Description
35.12		1025-3521505	1	Coupling head (1-6)
	1	M10-6gx25.88.35.019 GOST 7796-70	2	Bolt
	2	M10-6H.6.019 GOST 5915-70	2	Nut
	3	10 OT OST 37.001.115-75	2	Washer
	4	1025-3521511	1	Bracket
	5	1522-3521513	1	Fitting
	6	64226-3521110 or 11.3521410-20	1	Automatic coupling head

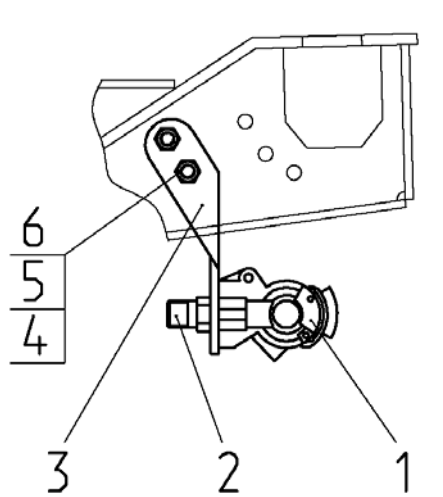


Fig. 35.13. Coupling head

Group 35.Brakes
Subgroup 3521. Coupling head

Fig.	Pos.	Designation	Q-ty	Description
35.13		1025-3521510	1	Coupling head (1-6)
	1	64226-3521111 or 11.3521411-20	1	Automatic coupling head
	2	1522-3521513	1	Fitting
	3	1025-3521512	1	Bracket
	4	V.M8-6gx25.58.019 GOST 17475-80	2	Screw
	5	M8-6H.6.019 GOST 5915-70	2	Nut
	6	8T OST 37.001.115-75	2	Washer

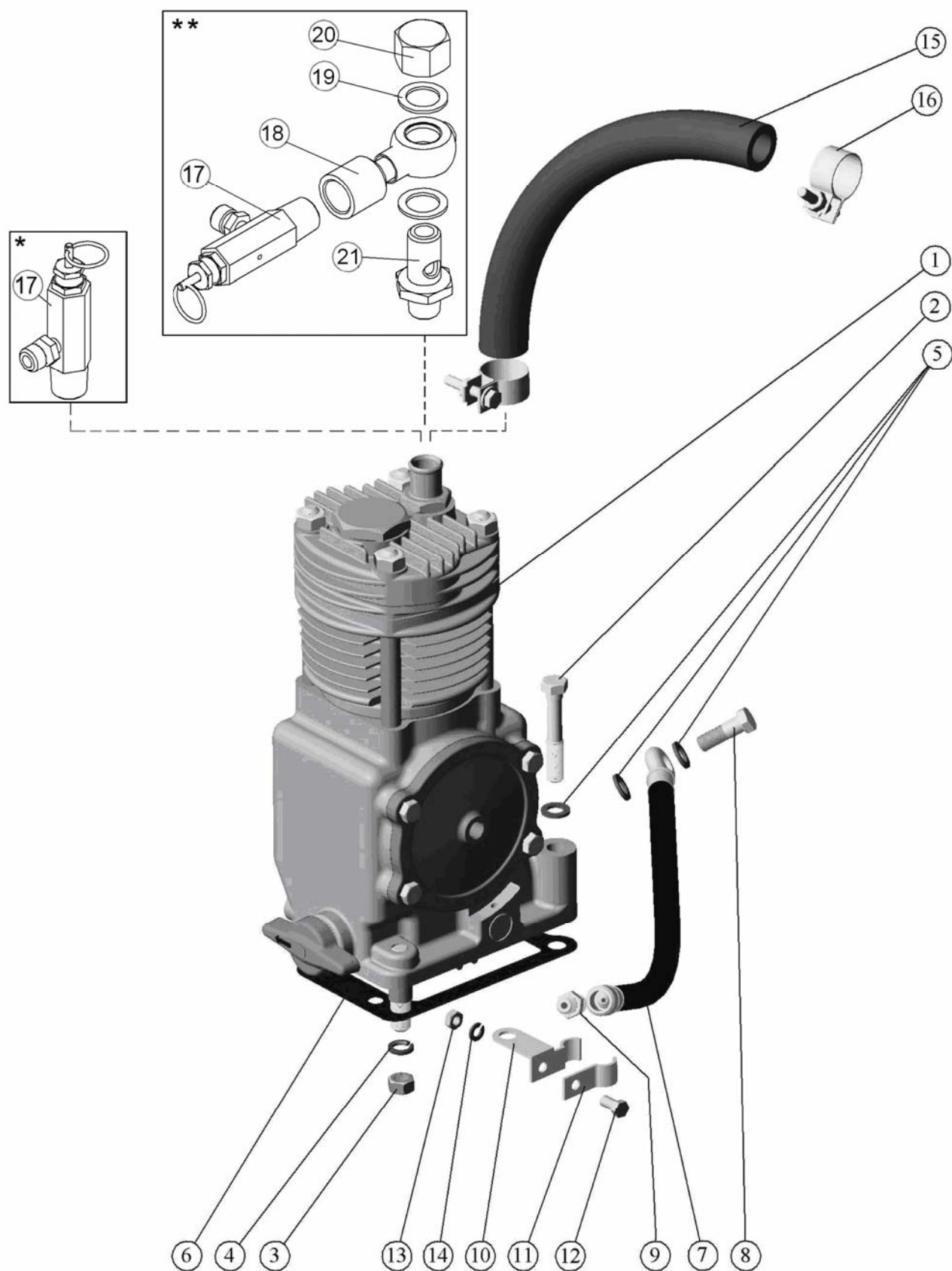


Fig.35.14. Compressor

Group 35. Brakes
Subgroup 3509. Compressor

Fig.	Pos.	Designation	Q-ty	Description
35.14		240-3509030-A	1	Pneumatic compressor assembly
	1	A29.05.000-BZA	1	Pneumatic compressor
	2	M10-6gx45	1	Bolt
	3	M10-6H	3	Nut
	4	10 65G 06	3	Washer
	5	36-1104788	3	Gasket
	6	240-3509037-A	1	Gasket
	7	240-3509150	1	Oil pipeline (L=352mm)
	8	36-1104787	1	Fitting bolt
	9	240-3509232	1	Fitting
	10	240-3509158	1	Clamp
	11	240-3509159	1	Clip
	12	M6-6gx16	1	Bolt
	13	M6-6H	1	Nut
	14	6 65G 06	1	Washer
	15	RD 18-29-300-1,3	1	Hose
	16	HS-26.019	2	Binding screw clamp
	17	80-3509010 ¹⁾	1	Valve
	18	920-3509020 ²⁾	1	Angle piece
	19	40-4607038-A ²⁾	2	Washer
	20	1025-3506623 ²⁾	1	Nut
	21	1025-3506622 ²⁾	1	Fitting

¹⁾ Valve for tires inflation is mounted only if there is no pneumatic drive.

²⁾ If there is no pneumatic drive and clima compressor is mounted

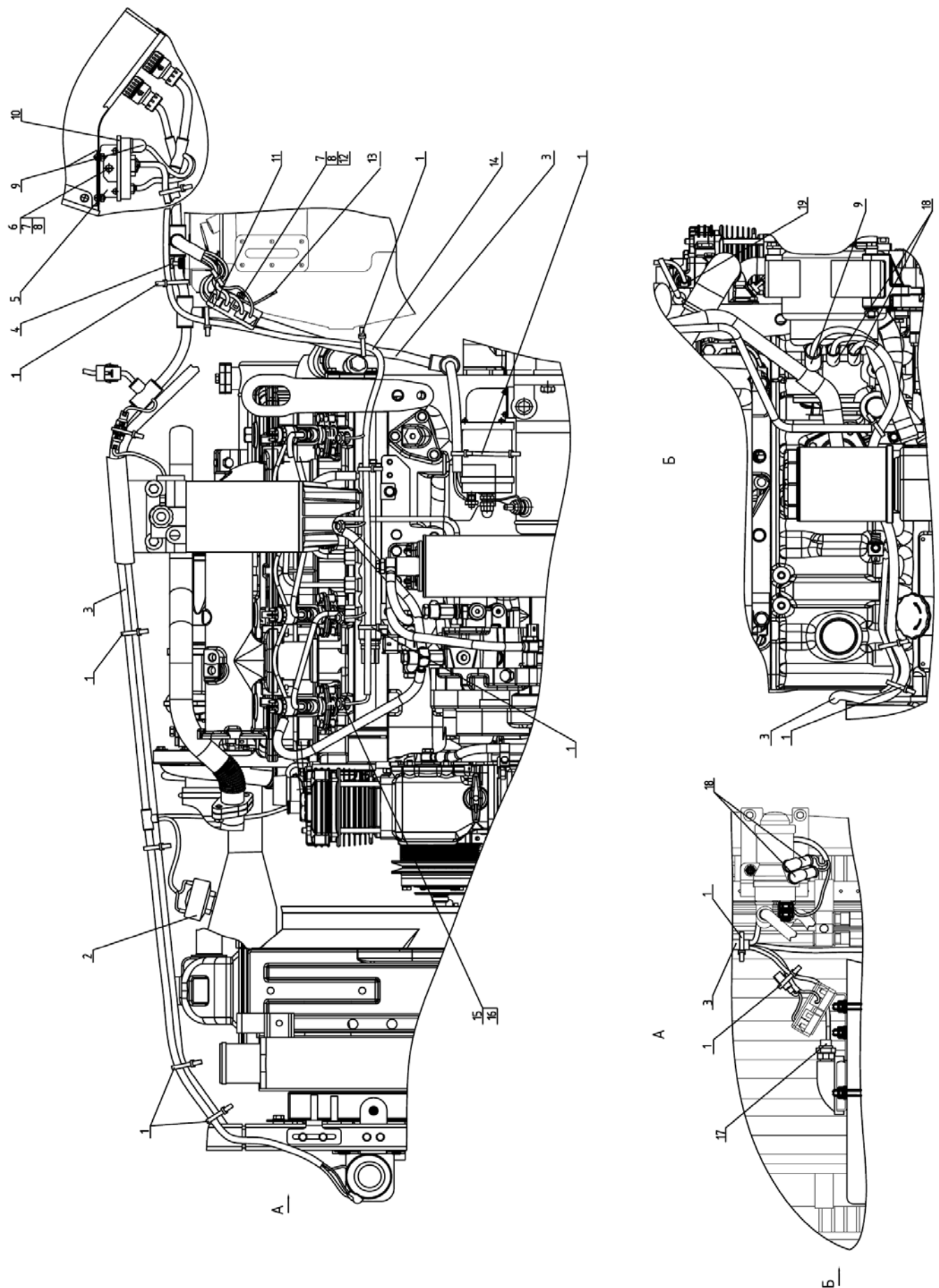
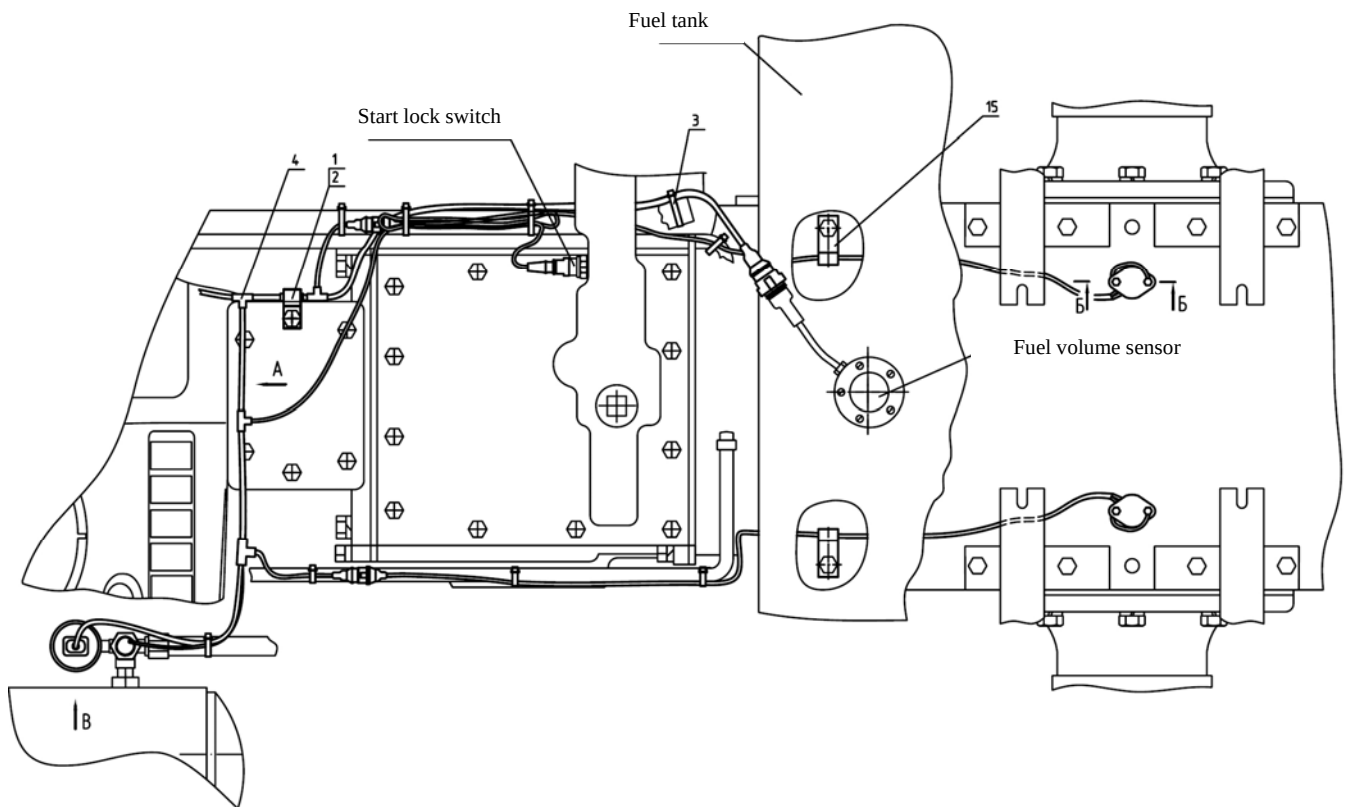


Fig. 37.1 Engine electrical equipment

Group 37. Electrical equipment
Subgroup 3700. Engine electrical equipment

Fig.	Pos.	Designation	Q-ty	Description
37.1		1025.5-3700030	1	Engine electrical equipment
	1	80-3723045-01	21	Collar
	2	DSF-65	1	Sensor of air cleaner clogging
	3	1025.5-3724360	1	Bundled cable
	4	80-3723016	1	Bracket
	5	1025.5-3747010	1	Bracket
	6	M6-6gx16.88.35.019 GOST 7798-70	1	Bolt
	7	M6-6H.6.019 GOST 5915-70	3	Nut
	8	6T OST 37.001.115-75	3	Washer
	9	TM-59-6000-38	2	Rubber tip
	10	KSH-1.3741-112 or 11.760.144	1	Heating plugs controller
	11	BP-11-07	1	Fuse block
	12	V.M6-6gx20.58.019 GOST 17473-80	2	Screw
	13	80-3747021	1	Bracket
	14	1025.5-3724380	1	Bundled cable
	15	M5-6H.6.019 GOST 5927-70	4	Nut
	16	5T OST 37.001.115-75	4	Washer
	17	DADM-03 or MM111D-3810600-01	1	Emergency oil pressure sensor
	18	M2-14.13.238	4	Cover
	19	233.3828	1	Heating plugs sensor



Variant w/o pneumatic system

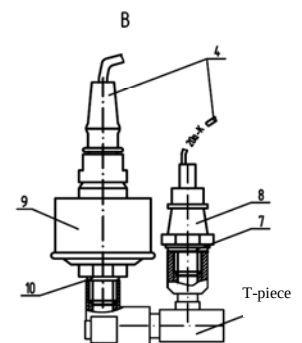
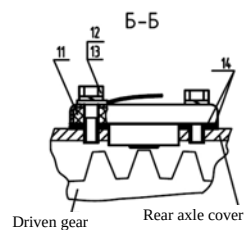
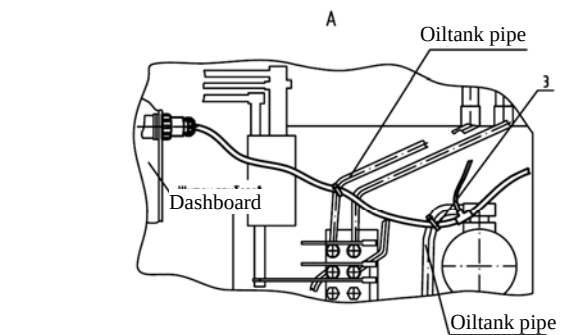
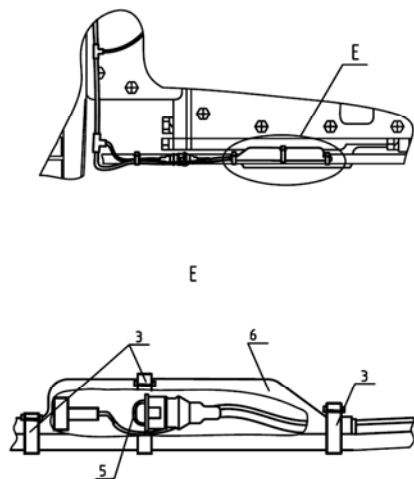


Fig.37.2 Transmission electrical equipment

Group 37. Electrical equipment
Subgroup 3700. Transmission electrical equipment

Fig.	Pos.	Designation	Q-ty for impl. 80-3700040-B-		Description
			-06	-07	
37.2		80-3700040-B-06 ¹⁾	1		Transmission electrical equipment
		80-3700040-B-07 ²⁾		1	Transmission electrical equipment
		80-3843005-B	1	1	Speed sensors assy
	1	70-1115012-03	1	1	Clamp
	2	70-3506027	1	1	Bushing
	3	80-3723045-01	11	14	Collar
	4	1126-3724317 GOST 23544-84	1	1	Bundled cable
	5	80-3724002-B		1	Cable
	6	305-TV-40-35		1	Pipe PVC (190 mm)
	7	85-1702051	1		Washer
	8	DADV or MM124D-3810600	1		Emergency air pressure sensor
	9	DD-10-01M or FCCO10	1		Air-pressure sensor
	10	D18-055-A	1		O-Ring
	11	RM70.3843-02 or 453843.003 or AR70.3843-02	2	2	RPM sensor
	12	M8-6gx25.88.35.019 GOST 7796-70	4	4	Bolt
	13	8T OST 37.001.115-75	4	4	Washer
	14	80-3843001	10 ³⁾	10 ³⁾	Gasket
	15	822-3723001	2	2	Clip
¹⁾ with pneumatic system ²⁾ without pneumatic system ³⁾ max. q-ty					

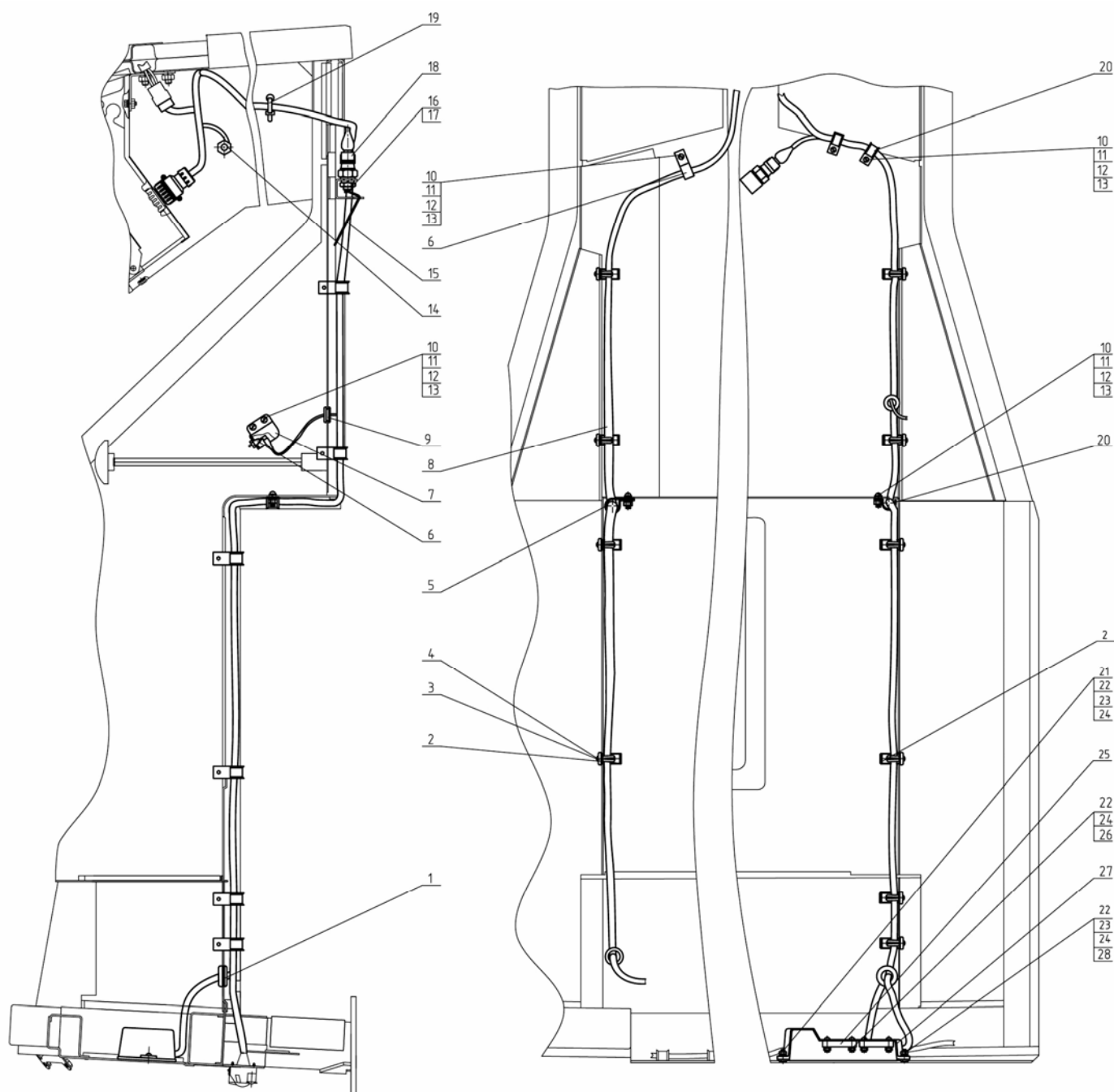


Fig.37.3 Cab electrical equipment

Group 37. Electrical equipment
Subgroup 3700.Cab electrical equipment

Fig.	Pos.	Designation	Q-ty	Description
37.3		80-3700050-G-03		Cab electrical equipment
	1	70-3723042-02	1	Bushing
	2	85-3723041	6	Clip
	3	A37.10.031	6	Threaded rivet nut
	4	2-4x16.019 GOST 1144-80	6	Screw
	5	70-1115012-01	2	Clamp
	6	VK 409	1	Hand brake lamp switch
	7	80-3710012	1	Bracket
	8	80-3724300-G1	1	Bundled cable
	9	70-3723042-01	1	Bushing
	10	V.M5-6gx16.58.019 GOST 17473-80	5	Screw
	11	M5-6H.6.019 GOST 5927-70	5	Nut
	12	S 5.01.019 GOST 11371-78	5	Washer
	13	5T OST 37.001.115-75	5	Spring washer
	14	DADM-03 or MM111D-3810600-01	1	Emergency oil pressure sensor
	15	85-3710032	1	Lever
	16	85-3710025	1	Nut
	17	14 L GOST 6402-70	1	Spring washer
	18	VK 12-21	1	Stop signal switch
	19	80-3723045	2	Collar
	20	80-3723038	3	Clip
	21	M6-6gx20.58.35.019 GOST 7798-70	1	Bolt
	22	M6-6H.6.019 GOST 5915-70	5	Nut
	23	S 6.01.019 GOST 11371-78	2	Washer
	24	6T OST 37.001.115-75	6	Washer
	25	15.3723 or PS3.3723	2	Three-pin junction plate
	26	V.M6-6gx20.58.019 GOST 17473-80	4	Screw
	27	70-3723034	1	Panel cover
	28	M6-6gx25.88.35.019 GOST 7798-70	1	Bolt

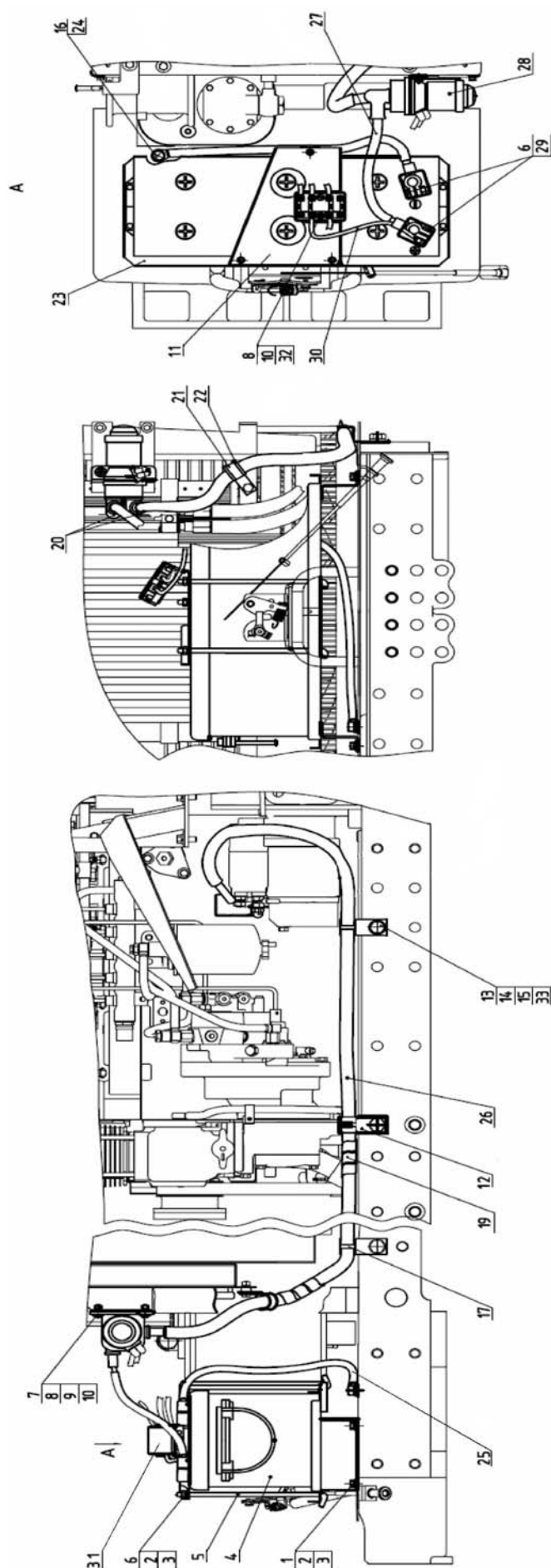


Fig.37.4 Accumulator battery assembly

Group 37 Electrical equipment
Subgroup 3703. Accumulator battery assembly

Fig.	Pos.	Designation	Q-ty	Description
37.4		952.5-3700080	1	Accumulator battery assembly
	1	M8-6gx20.88.35.019 GOST 7796-70	4	Bolt
	2	S.8.01.019 GOST 11371-78	6	Washer
	3	8T OST 37.001.115-75	7	Washer
	4	12V 155 Ah	1	Accumulator battery 12/155
	5	952.5-3703006	3	Stud
	6	M8-6H.6.019 GOST 5915-70	5	Nut
	7	M6-6gx20.58.35.019 GOST 7798-70	2	Bolt
	8	M6-6H.6.019 GOST 5915-70	4	Nut
	9	S.6.01.019 GOST 11371-78	2	Washer
	10	6 T OST 37.001.115-75	4	Washer
	11	952.3-3703004	1	Hold-down clamp
	12	2022-3723011	3	Bracket
	13	M16-6gx45.88.35.019 GOST 7796-70	1	Bolt
	14	M16-6H.6.019 GOST 5915-70	1	Nut
	15	S.16.01.019 GOST 11371-79	1	Washer
	16	12 OT OST 37.001.115-75	1	Washer
	17	80-3723045-01	3	Collar
	19	B 25x20,6x20	1	Black spiral tape (L=1000 mm)
	20	TM-59-6000-38	2	Rubber tip
	21	923-3723012	1	Clamp
	22	PPR-50	1	Profile
	23	952.5-3703010	1	Base
	24	M12-6gx30.88.35.019 GOST 7796-70	1	Bolt
	25	3522-3724075	1	Cable
	26	822-3724041-V	1	Cable
	27	923-3724044	1	Cable
	28	13.3737-01	1	Battery switch 12V
	29	M8-6gx35.88.35.019 GOST 7796-70	2	Bolt
	30	952.5-3724045	1	Cable
	31	BP-11-07	1	Fuse block
	32	V.M6-6gx16.58.019 GOST 17473-80	2	Screw
	33	16 OT OST 37.001.115-75	1	Washer

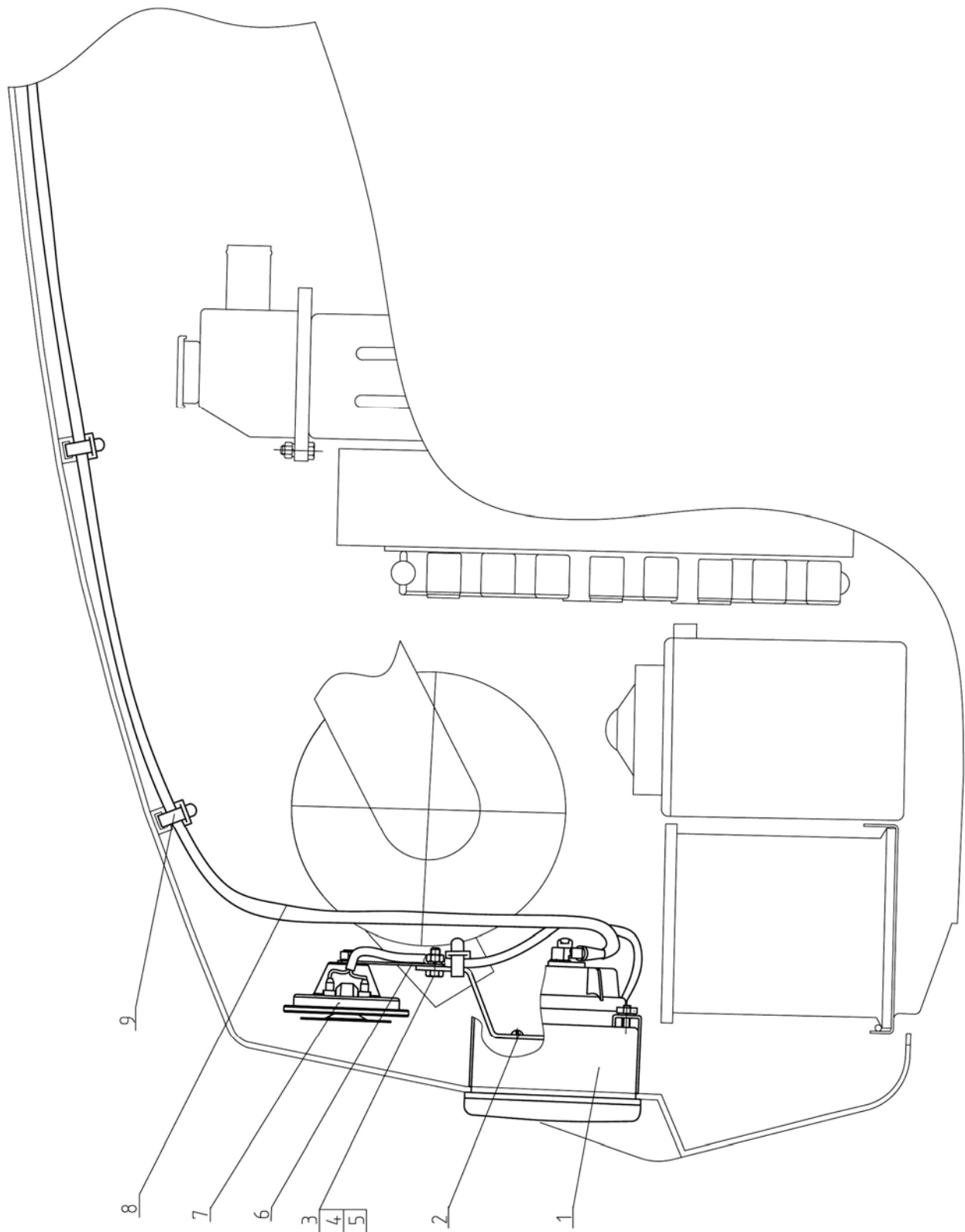


Fig.37.5 Headlights assembly

Group 37. Electrical equipment
Subgroup 3711. Headlights assembly

Fig.	Pos.	Designation	Q-ty	Description
37.5		921-3700020		Headlights assembly
	1	08 7101 000 or 112.08.70	2	Headlight
	2	4x16.019	2	Screw
	3	M8-6gx20.88.35.019 GOST 7796-70	1	Bolt
	4	M8-6H.6.019 GOST 5915-70	1	Nut
	5	8T OST 37.001.115-75	1	Washer
	6	921-3721001	1	Bracket
	7	2106-3721010-03 or 20.3721-01	1	Horn
	8	921-3724025-B	1	Bundled cable
	9	80-3723045	5	Collar

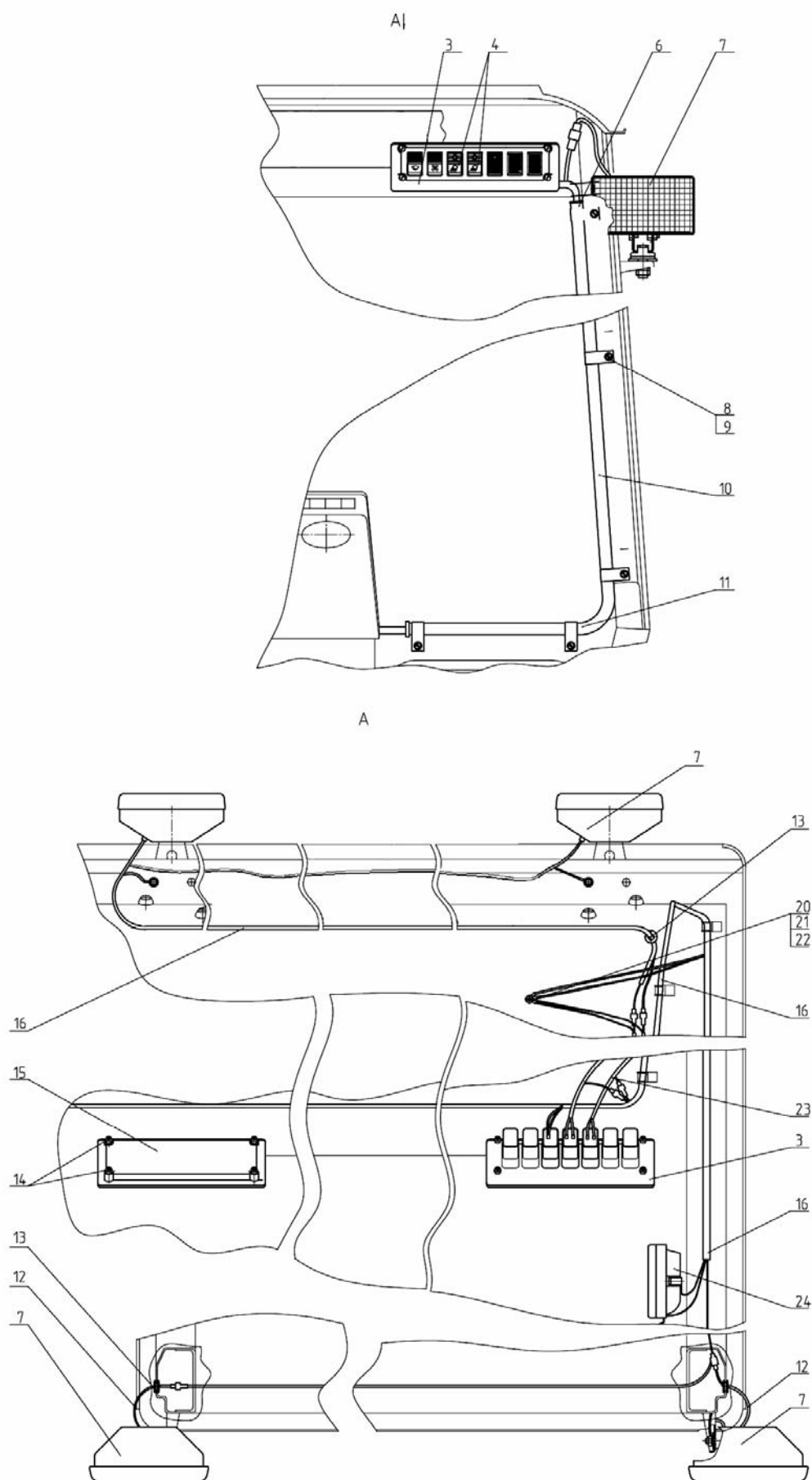


Fig.37.6 Working lights assembly

**Group 37. Electrical equipment
Subgroup 3711. Working lights assembly**

Fig.	Pos.	Designation	Q-ty	Description
37.6		80-3700110-V-02		Working lights assembly
	3	80-3801342	1	Dashboard
	4	P150M-25.52 or PK150-25.52	2	Working lights switch
	6	80-3723010	1	Groove
	7	112.07.54-06 or RAUS 14.3711-12	4	Working light
	8	V.M6-6gx12.58.019 GOST 17473-80	5	Screw
	9	S 6.01.019 GOST 11371-78	5	Washer
	10	80-3723020	1	Groove
	11	80-3723015	1	Groove
	12	80-3724035-B	2	Cable
	13	70-3723042-01	3	Bushing
	14	V.M6-6gx12.58.019 GOST 17474-80	8	Screw
	15	80-7901018	1	Dashboard
	16	80-3724232-B	1	Bundled cable
	20	M6-6gx25.88.35.019 GOST 7798-70	1	Bolt
	21	M6-6H.6.019 GOST 5915-70	2	Nut
	22	6T OST 37.001.115-75	2	Spring washer
	23	80-3724231-B	1	Bundled cable
	24	111.3714 O2 or 1112.3714010	1	Room lamp 105x95

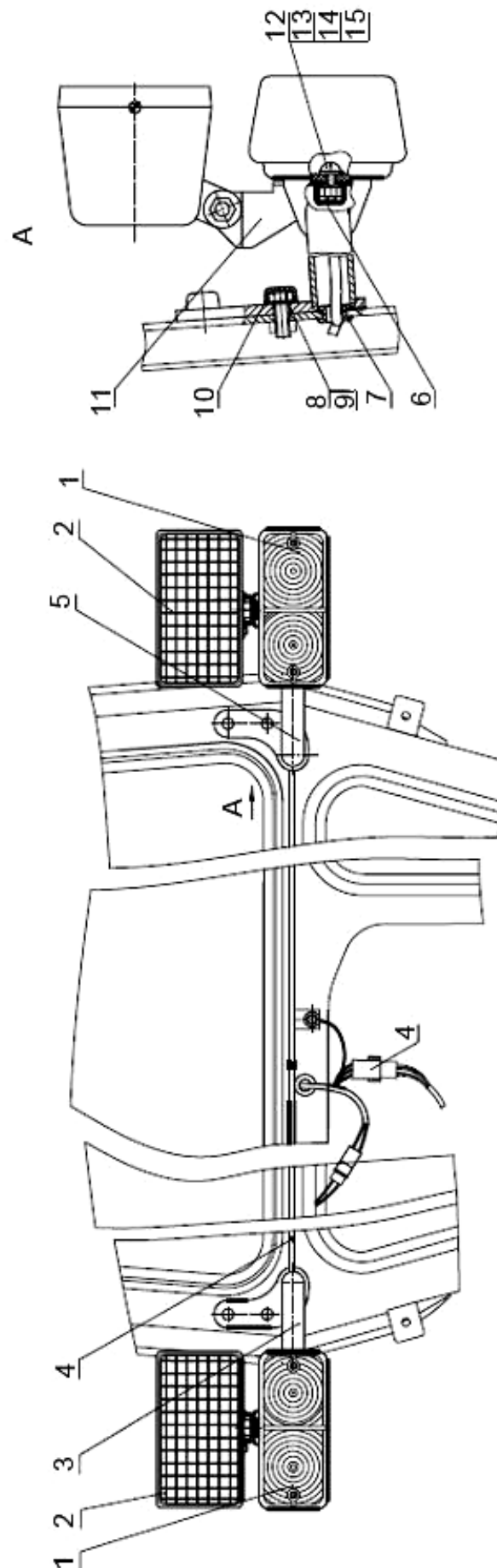


Fig. 37.7 Front lamps with working lights assembly

Group 37. Electrical equipment
Subgroup 3712. Front lamps assembly

Fig.	Pos.	Designation	Q-ty	Description
37.7		1221.5-3700025-01		Front lamps assembly
	1	3713.3712 or 2302.3.04.12	2	Front lamp with side flasher
	2	112.07.54-18 or RAUS 14.3711-18	2	Working light
	3	1221.5-3712025-03	1	Bracket
	4	1221.5-3724130	1	Bundled cable
	5	1221.5-3712025-02	1	Bracket
	6	A30.04.017	4	Cap
	7	70-3723042-01	2	Bushing
	8	M8-6gx20.88.35.019 GOST 7796-70	4	Bolt
	9	8T OST 37.001.115-75	4	Washer
	10	A30.04.017-01	4	Cap
	11	920-3711011	2	Bracket
	12	V.M6-6gx20.58.019 GOST 17473-80	4	Screw
	13	M6-6H.6.019 GOST 5915-70	4	Nut
	14	S.6.01.019 GOST 6958-78	4	Washer
	15	6T OST 37.001.115-75	4	Washer

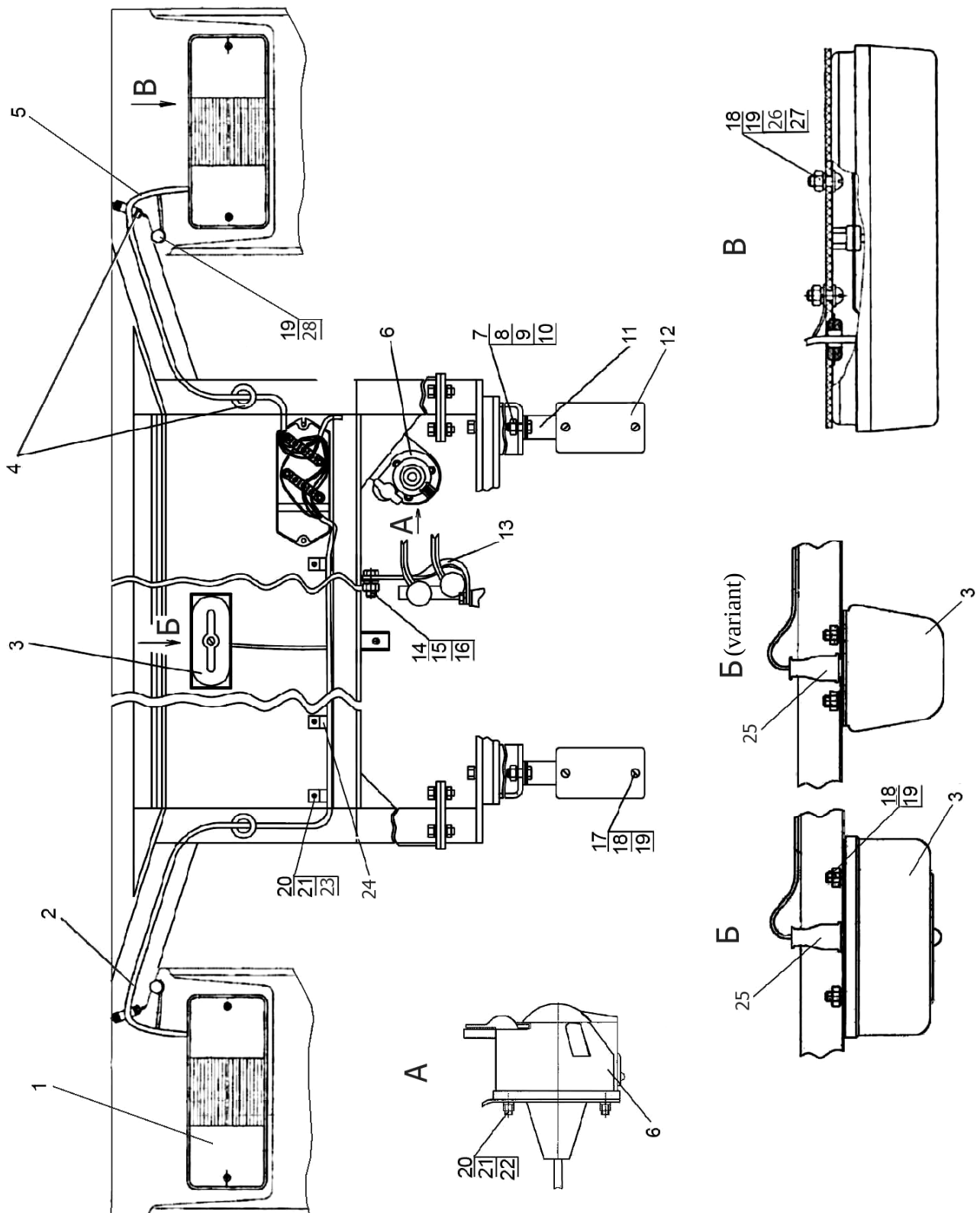


Fig.37.8. Rear lamps assembly

Group 37. Electrical equipment
Subgroup 3716. Rear lamps assembly

Fig.	Pos.	Designation	Q-ty	Description
37.8		80-3700060-V-05 ¹⁾ 80-3700060-V-06 ²⁾ 80-3700060-V-07 ³⁾		Rear lamps assembly
	1	7303.3716 or 3302.3716-20	2	Rear lamp
	2	920-3724163 GOST 23544-84	1	Bundled cable
	3	FP 131 AR GOST 6964-72 or 2102.3.04.17 or 112.00.05-01	1	Number-plate light ^{1,2)}
	4	70-3723042-02	4	Bushing
	5	920-3724162 GOST 23544-84	1	Bundled cable
	6	302.3.04.23 or R9-1	1	Trailer socket
	7	M10-6gx25.88.35.019 GOST 7796-70	2	Bolt
	8	M10-6H.6.019 GOST 5915-70	2	Nut
	9	S 10.01.019 GOST 6958-78	2	Washer
	10	10 OT OST 37.001.115-75	2	Washer
	11	F50-3731011	2	Bracket
	12	3202.3731	1	Reflector
	13	80-3724112 ^{1,3)} 80-3724112-01 ²⁾	1	Jumper
	14	M12-6gx25.88.35.019 GOST 7796-70	1	Bolt
	15	M12-6H.6.019 GOST 5915-70	1	Nut
	16	12 OT OST 37.001.115-75	1	Washer
	17	V.M6-6gx18.58.019 GOST 17473-80	8	Screw
	18	M6-6H.6.019 GOST 5915-70	10	Nut
	19	6T OST 37.001.115-75	12	Washer
	20	M5-6H.6.019 GOST 5927-70	6	Nut
	21	5T OST 37.001.115-75	6	Washer
	22	V.M5-6gx35.58.019 GOST 17475-80	3	Screw
	23	V.M5-6gx12.58.019 GOST 17473-80	3	Screw
	24	80-3723043	3	Clip
	25	70-3723035 ²⁾	1	Lug
	26	S 6.01.019 GOST 11371-78	4	Washer
	27	V.M6-6gx25.58.019 GOST 17473-80	4	Screw
	28	M6-6gx16.88.35.019 GOST 7798-70	2	Bolt
¹⁾ Fenders – plastic ²⁾ Fenders – plastic, tropics ³⁾ Fenders – plastic, without number plate light				

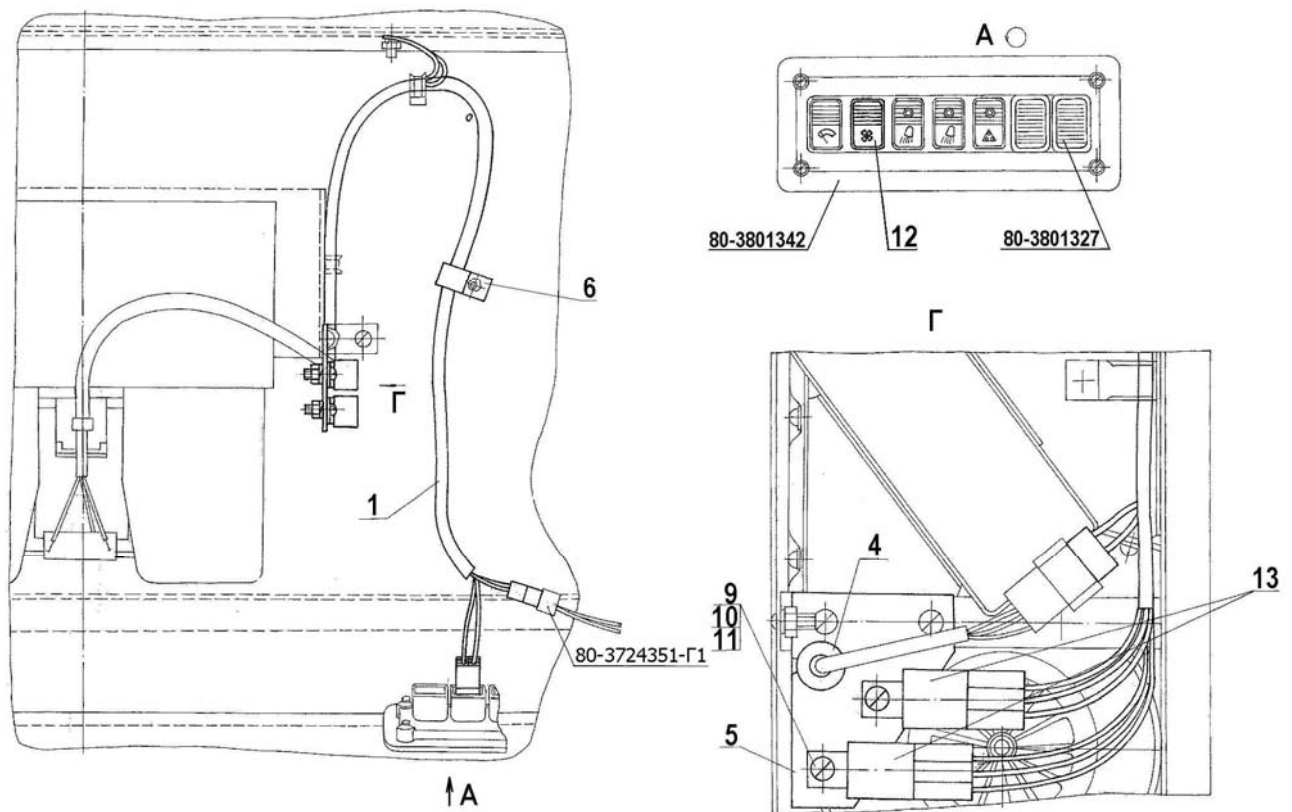


Fig. 37.9 Heater electrical equipment

Group 37 Electrical equipment
Subgroup 3730. Heater electrical equipment

Fig.	Pos.	Designation	Q-ty	Description
37.9		80-3700090-ZH-01		Heater electrical equipment
	1	80-3724354	1	Bundled cable
	4	70-3723042-01	1	Bushing
	5	80-3747016	1	Bracket
	6	1321-8700029	1	Clamp
	9	V.M6-6gx12.58.019 GOST 17473-80	2	Screw
	10	M6-6H.6.019 GOST 5915-70	2	Nut
	11	6T OST 37.001.115-75	2	Washer
	12	P147M-04.11 or PK147-04.11	1	Fan switch
	13	752.3777.000-10	2	Cut-in relay 30A

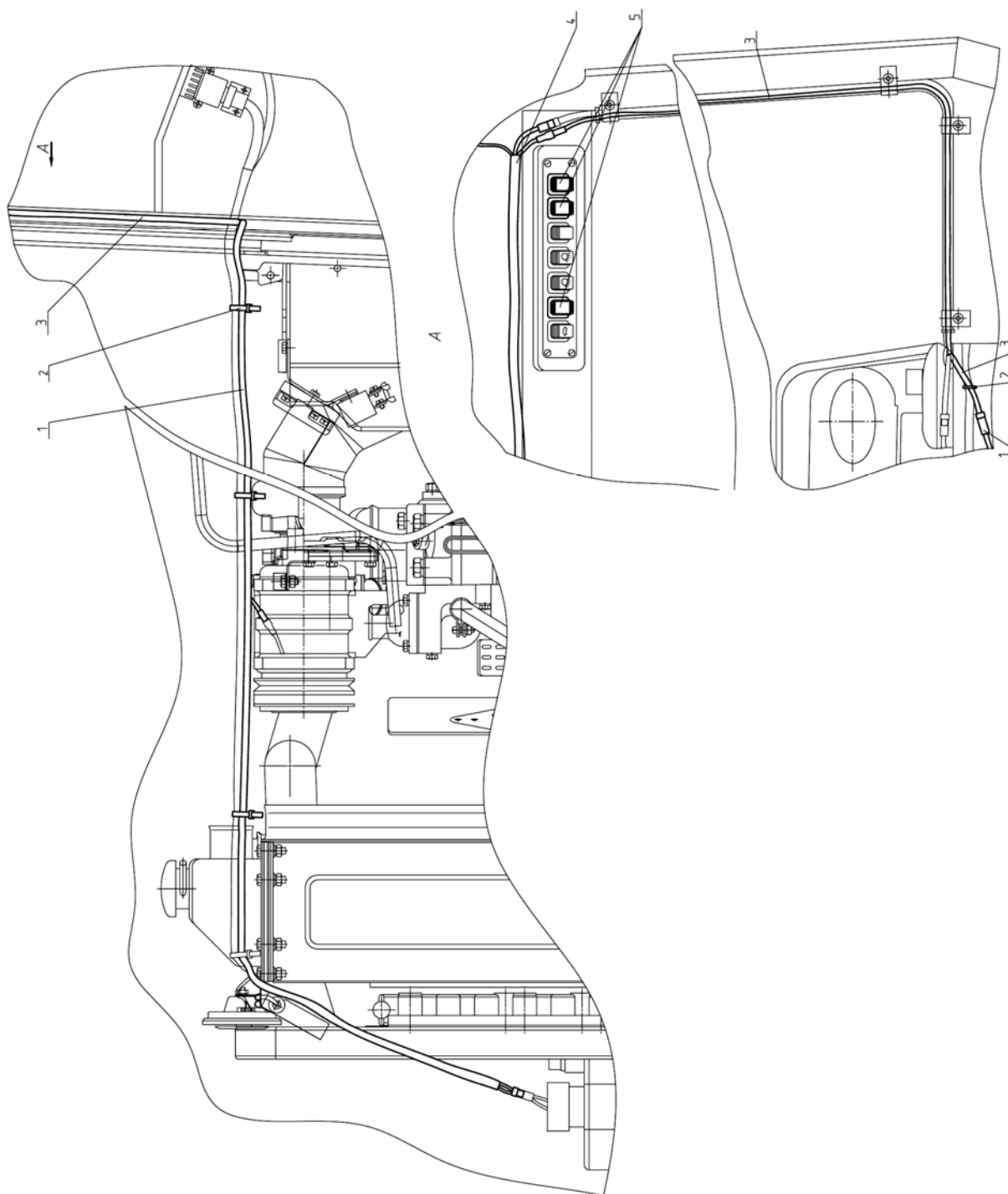


Fig. 37.10 Air-conditioner electrical equipment

Group 37. Electrical equipment
Subgroup 3730. Air-conditioner electrical equipment

Fig.	Pos.	Designation	Q-ty	Description
37.10		80-3700115		Air-conditioner electrical equipment
	1	80-3724375	1	Bundled cable
	2	80-3723045	4	Collar
	3	80-3724357	1	Cable
	4	80-3724355	1	Bundled cable
	5	80-3801327	3	Blind plug

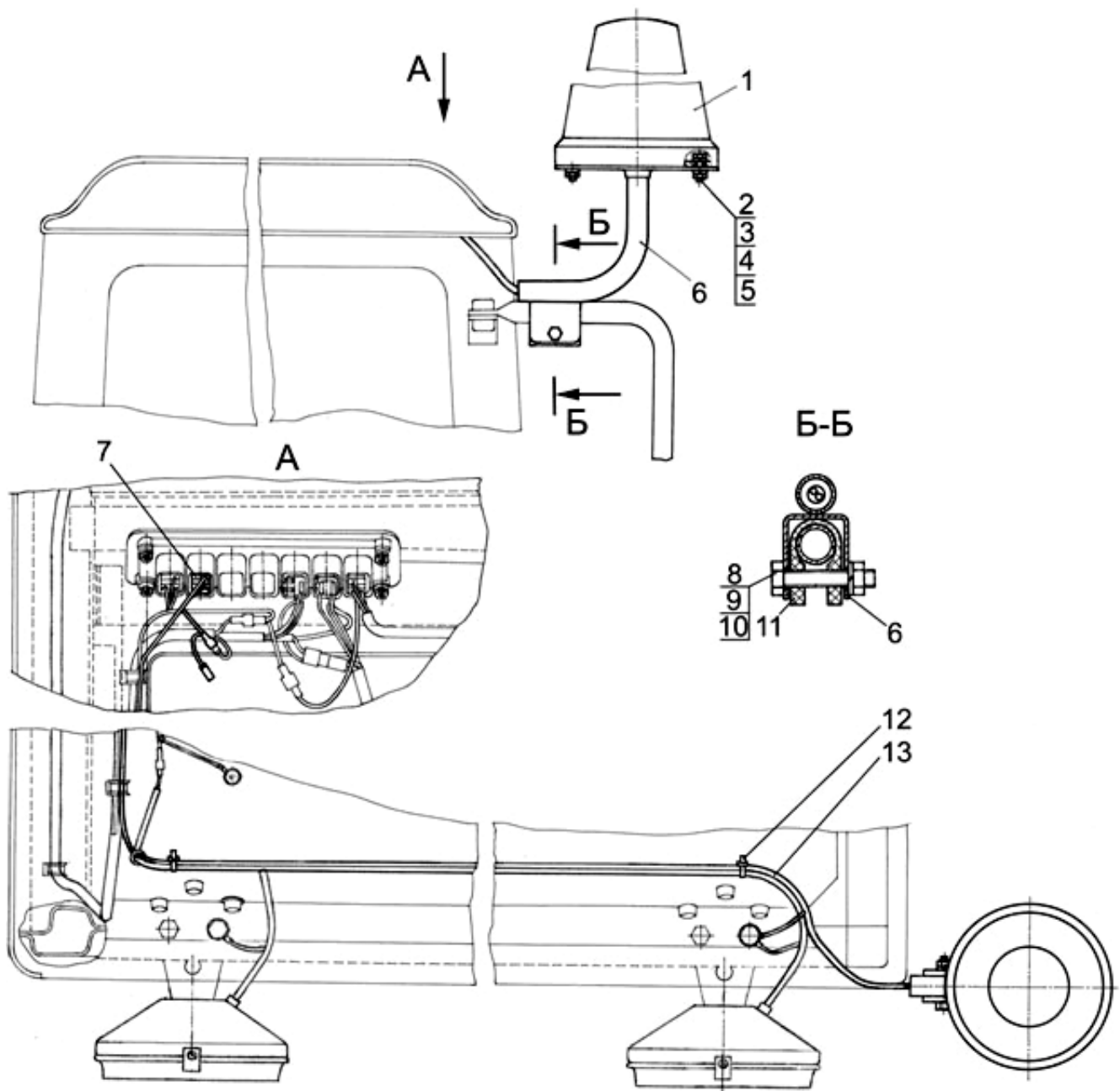


Fig. 37.11. Beacon assembly

Group 37. Electrical equipment
Subgroup 3738. Beacon assembly

Fig.	Pos.	Designation	Q-ty	Description
37.11		80-3738010	1	Beacon assembly (1-13)
	1	MS-2-12-0 or S12-55	1	Beacon
	2	M6-6gx25.88.35.019 GOST 7798-70	3	Bolt
	3	M6-6H.6.019 GOST 5915-70	3	Nut
	4	S.6.01.019 GOST 11371-78	3	Washer
	5	6 T OST 37.001.115-75	3	Washer
	6	320-3738005	1	Bracket
	7	VK343M-01.88 or PK343-01.88	1	Beacon switch
	8	M8-6gx45.88.35.019 GOST 7795-70	1	Bolt
	9	M8-6H.6.019 GOST 5915-70	1	Nut
	10	8T OST 37.001.115-75	1	Washer
	11	A30.04.051	1	Clamp
	12	80-3723045	2	Collar
	13	80-3724234	1	Bundled cable

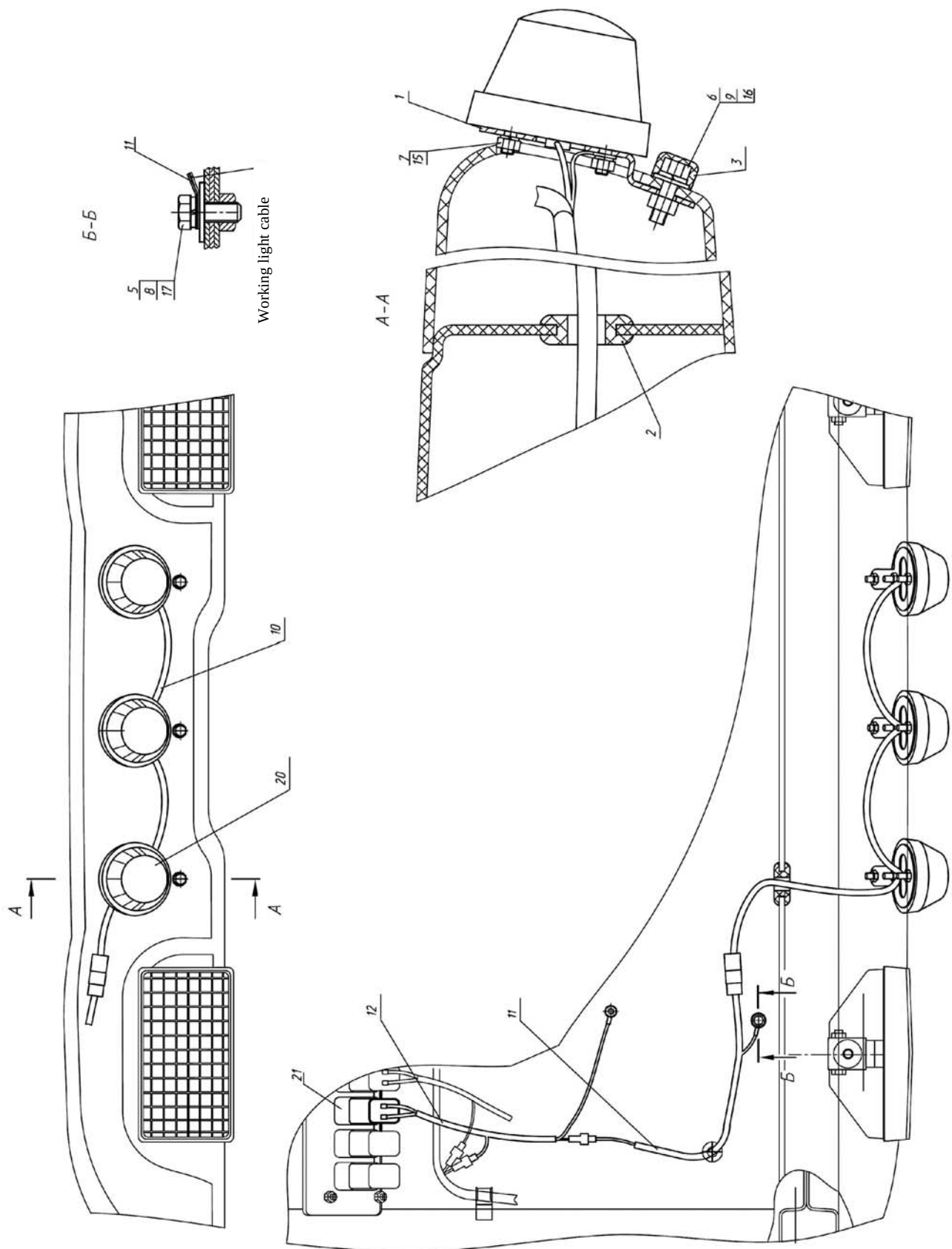


Fig. 37.12. Roadtrain lamp assembly

Group 37. Electrical equipment
Subgroup 3738. Roadtrain lamp assembly

Fig.	Pos.	Designation	Q-ty	Description
37.12		920-3738010		Roadtrain lamp assembly
	1	920-3738005	3	Bracket
	2	70-3723042-01	1	Bushing
	3	A30.04.017	3	Cap
	5	M8-6gx20.88.35.019 GOST 7796-70	1	Bolt
	6	M6-6gx20.88.35.019 GOST 7798-70	3	Bolt
	7	M5-6H.6.019 GOST 5927-70	6	Nut
	8	S 8.01.019 GOST 6958-78	1	Washer
	9	S.6.01.019 GOST 11371-78	3	Washer
	10	920-3724233 GOST 23544-84	1	Bundled cable
	11	920-3724235 GOST 23544-84	1	Bundled cable
	12	80-3724231-V GOST 23544-84	1	Bundled cable
	15	5T OST 37.001.115-75	6	Washer
	16	6T OST 37.001.115-75	3	Washer
	17	8T OST 37.001.115-75	1	Washer
	20	FA-1 GOST 6964-72 or 112.01.12-01 or 1002.3.04.38010 or UP-101-G1 GOST 6964-72	3	Roadtrain lamp
	21	P150M-25.16 or PK150-25.16	1	Roadtrain sign switch

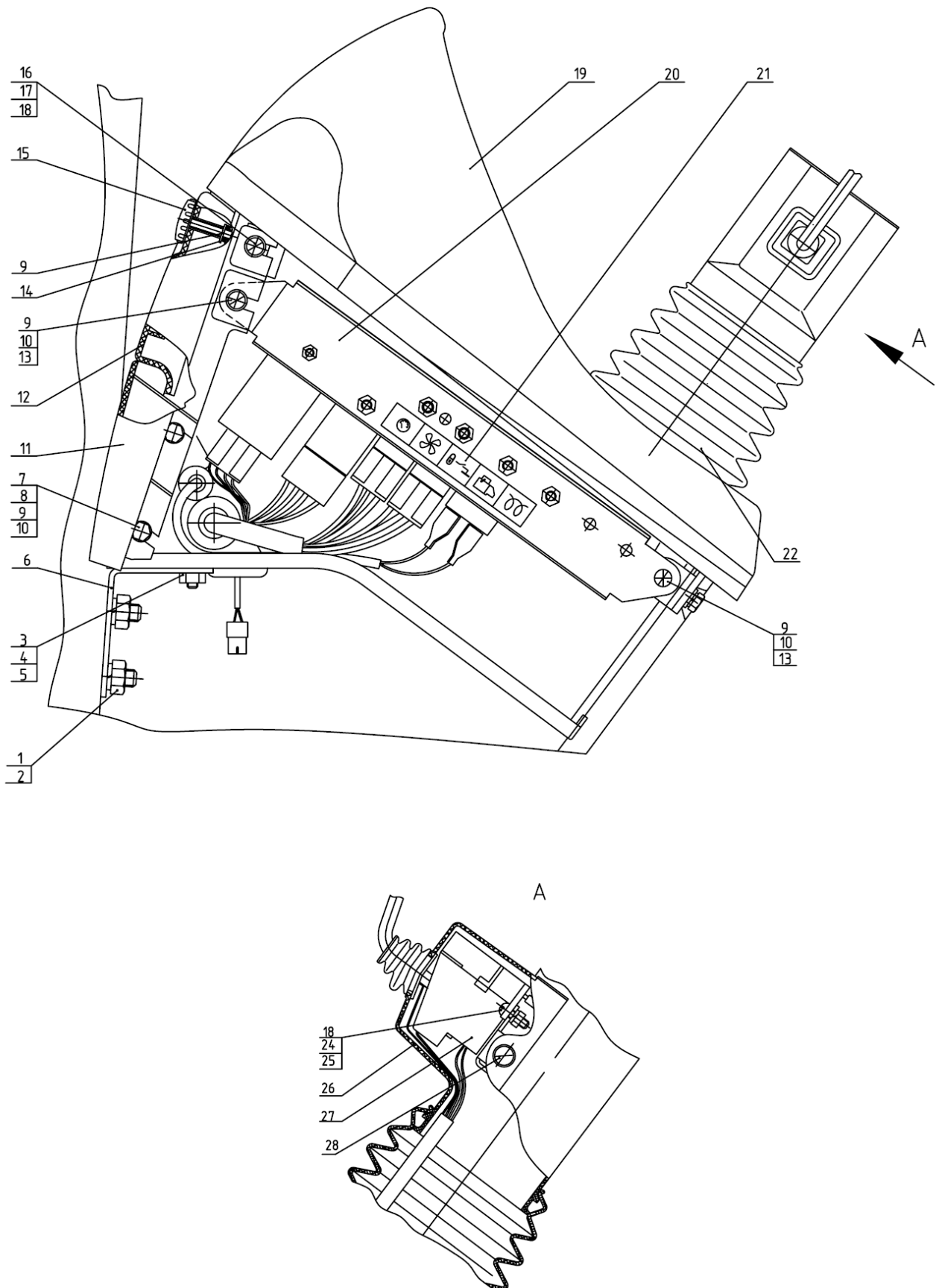


Fig.38.1 Dashboard

Group 38. Instruments
Subgroup 3805. Dashboard

Fig.	Pos.	Designation	Q-ty	Description
38.1,		926-3805010-13		Dashboard
38.2	1	M10-6H.6.019 GOST 5915-70	2	Nut
	2	10 OT OST 37.001.115-75	2	Washer
	3	M8-6gx16.88.35.019	2	Bolt
	4	8T OST 37.001.115-75	2	Washer
	5	S.8.01.019 GOST 11371-78	1	Washer
	6	80-3805030	2	Bracket
	7	M6-6gx16.88.35.019 GOST 7798-70	4	Bolt
	8	M6-6H.6.019 GOST 5915-70	18	Nut
	9	S.6.01.019 GOST 11371-78	10	Washer
	10	6T OST 37.001.115-75	21	Washer
	11	826-3805045	1	Wall
	12	826-3805061	1	Cover
	13	V.M6-6gx16.58.019 GOST 17473-80	4	Screw
	14	006-010-25-1-4 GOST 18829-73/ GOST 9833-73	2	Ring
	15	826-3805065	2	Screw
	16	V.M5-6gx20.58.019 GOST 17473-80	4	Screw
	17	S.5.01.019 GOST 6958-78	4	Washer
	18	5T OST 37.001.115-75	5	Washer
	19	826-3805021	1	Dashboard
	20	80-3805070	1	Panel
	21	826-3805025	1	Plate
	22	80-3805012-B	1	Sealant
	24	V.M5-6gx16.58.019 GOST 17473-80	3	Screw
	25	M5-6H.6.019 GOST 5927-70	3	Nut
	26	80-3709023	1	Casing
	27	3912.3769 -03 or 9779	1	Flasher and light switch
	28	V.2.M6-6gx16.58.05 GOST 17473-80	2	Screw

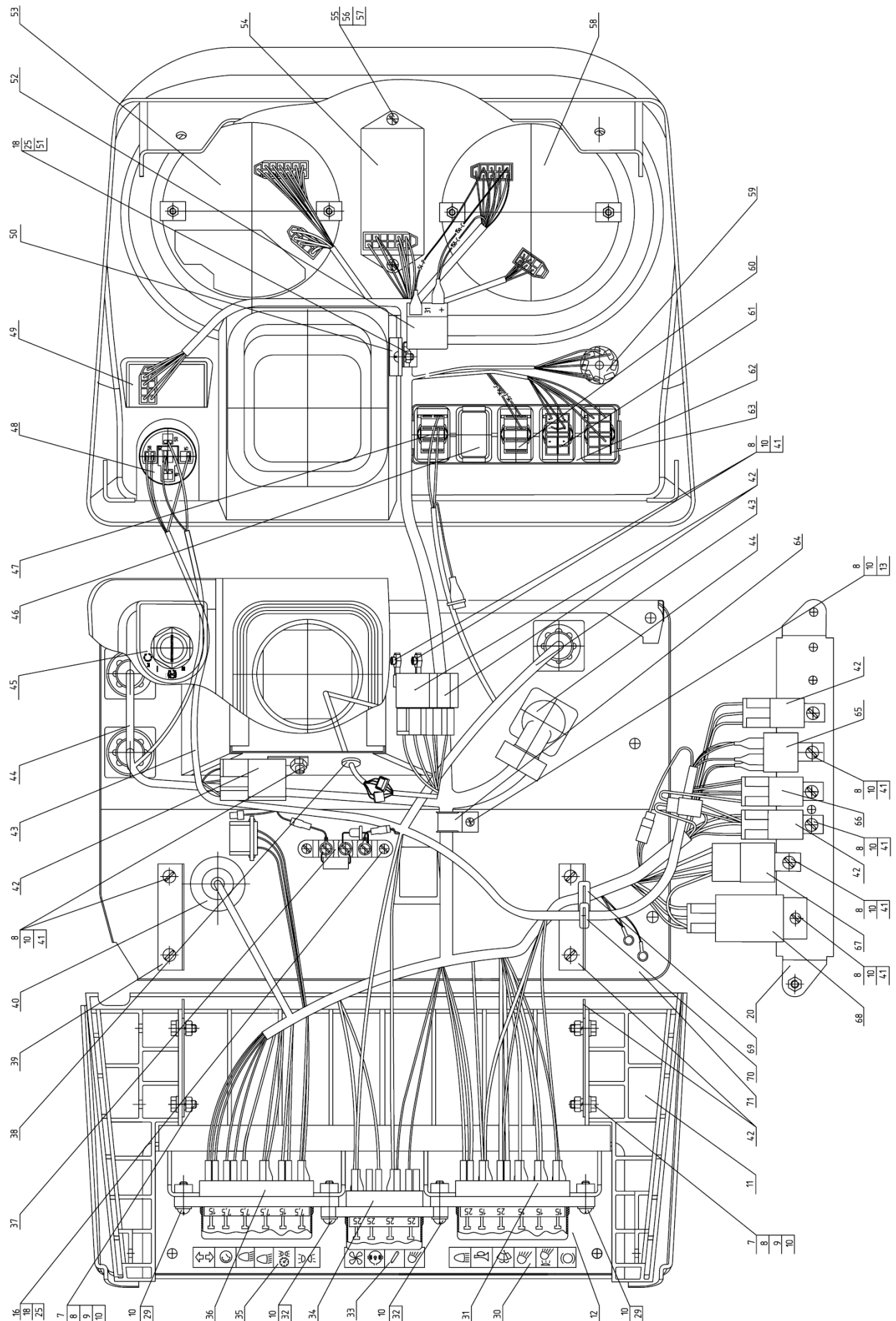


Fig. 38.2 Dashboard

Group 38. Dashboard
Subgroup 3805. Dashboard

Fig.	Pos.	Designation	Q-ty	Description
38.1, 38.2	29	V.M6-6gx20.58.019 GOST 17473-80	2	Screw
	30	80-3805027-V	1	Plate
	31	BP-2-01	1	Fuse block
	32	V.M6-6gx30.58.019 GOST 17473-80	2	Screw
	33	80-3805037-G	1	Plate
	34	BP-6-02 or B4.3722.2.01	1	Fuse block
	35	80-3805026	1	Plate
	36	BP-1-01	1	Fuse block
	37	SDF-4.1	1	Ballasting resistor (CAN)
	38	50-4607064	1	Bushing
	39	80-3805043	2	Bracket
	40	80-3723048	1	Bushing
	41	V.M6-6gx12.58.019 GOST 17473-80	13	Screw
	42	752.3777.000-10	5	Cut-in relay 30A
	43	926-3724517	1	Bundled cable
	44	926.4-3724395	1	Bundled cable
	45	826-3805013-01	1	Plate
	46	80-3801327	1	Blind plug
	47	P150M-14.48 or PK150-14.48	1	Battery disconnect switch
	48	14.0313.0000	1	Starter switch with start locking
	49	KD8105-P	1	Control panel
	50	80-3723038	1	Clip
	51	V.M5-6gx12.58.019 GOST 17473-80	1	Screw
	52	733.3747	1	Relay annunciator
	53	KD 8105-1	1	Integrated indicator (CAN)
	54	BI 8112.3803-1	1	Pilot lamps unit
	55	V.M4-6gx12.58.019 GOST 17473-80	2	Screw
	56	S.4.01.019 GOST 11371-78	2	Washer
	57	4 OST 37.001.115-75	2	Washer
	58	KD 8110-1	1	Instrument board KP-5 CAN
	59	245.3710 or 249.3710-05	1	Warning switch
	60	P150M-14.10 or PK150-14.10	1	Windshield washer switch
	61	P147M-04.29 or PK147-04.29	1	Light switch
	62	826-3710011	1	Switches jack
	63	P150M-25.52 or PK150-25.52	1	Working lights switch
	64	80-3723043	1	Clip
	65	738.3747-30	1	Starter relay
	66	752.3777.000-20	1	Cut-out relay 20A
	67	738.3747-40	1	Instruments power relay
	68	ERP-1 or RP-1	1	Flashers breaker
	69	70-3723042-02	1	Bushing
	70	70-3723042-01	1	Bushing
	71	80-3805050-B1-03	1	Base

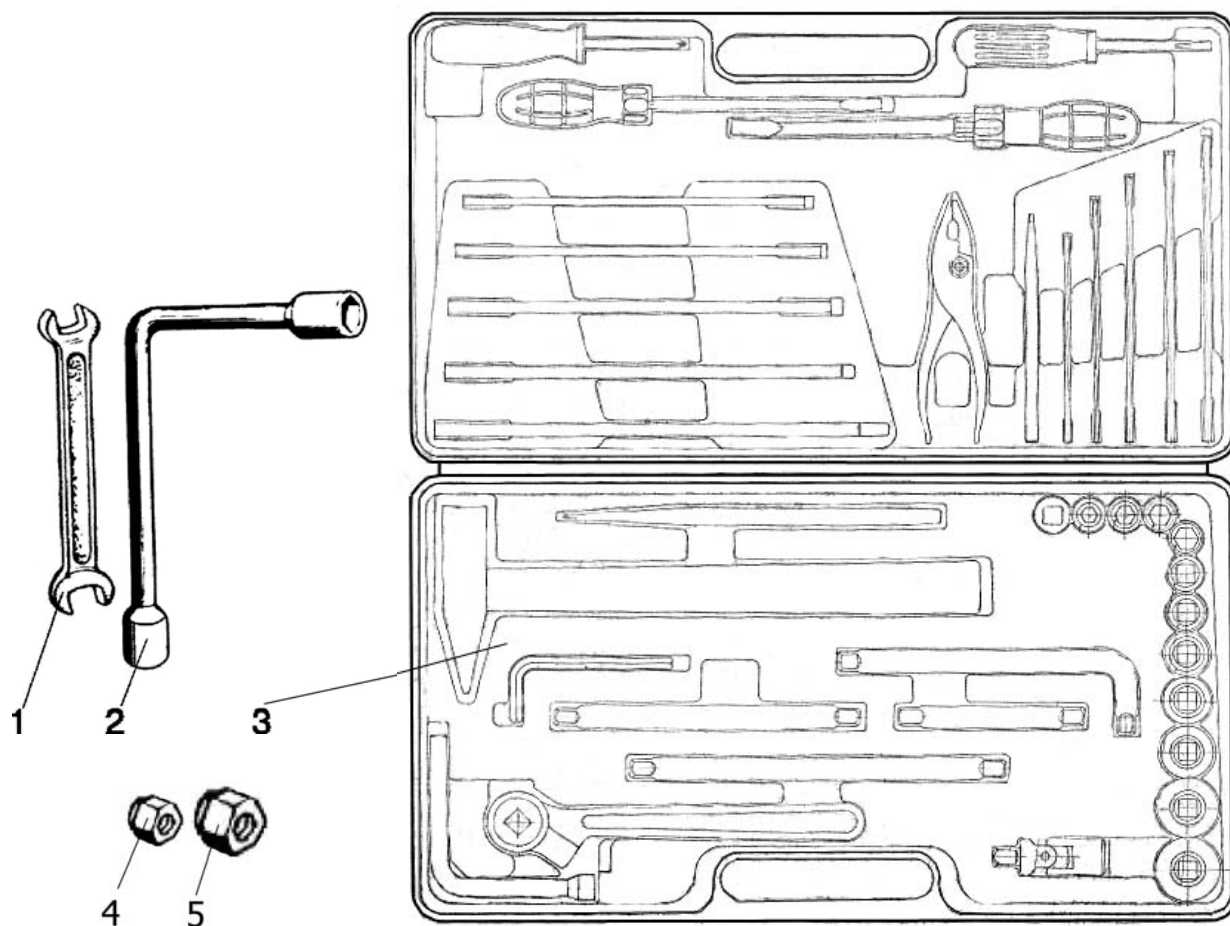


Fig.39.1. Operator's tool

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

Fig.	Pos.	Designation	Q-ty	Description
39.1	1	70-3901038	1	Wrench 41x46
	2	70-3901027	1	Socket wrench S=27x32
	3	3900.0001 ¹⁾	1	Tool kit
	4	40-3103017-01	2	Wheel disc retaining nut (for Belarus-100X/80X.1)
	5	36-3104019	2	Nut

¹⁾ Optional

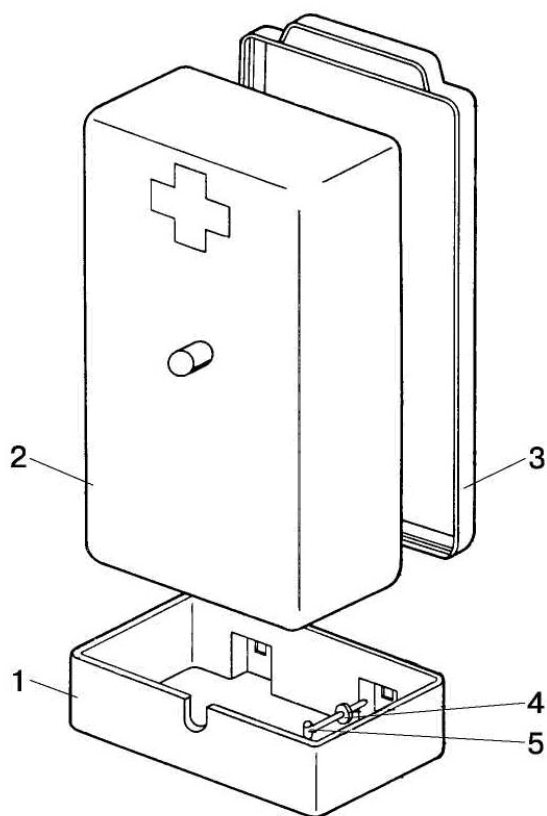


Fig.39.2. First-aid kit

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

Fig.	Pos.	Designation	Q-ty	Description
39.2	1	70-3912153-A	1	Bracket
	2	70-3912152	1	Housing
	3	70-3912151	1	Cover
	4	S 6.01.019 GOST 11371-78	3	Washer
	5	70-3723033	3	Clip

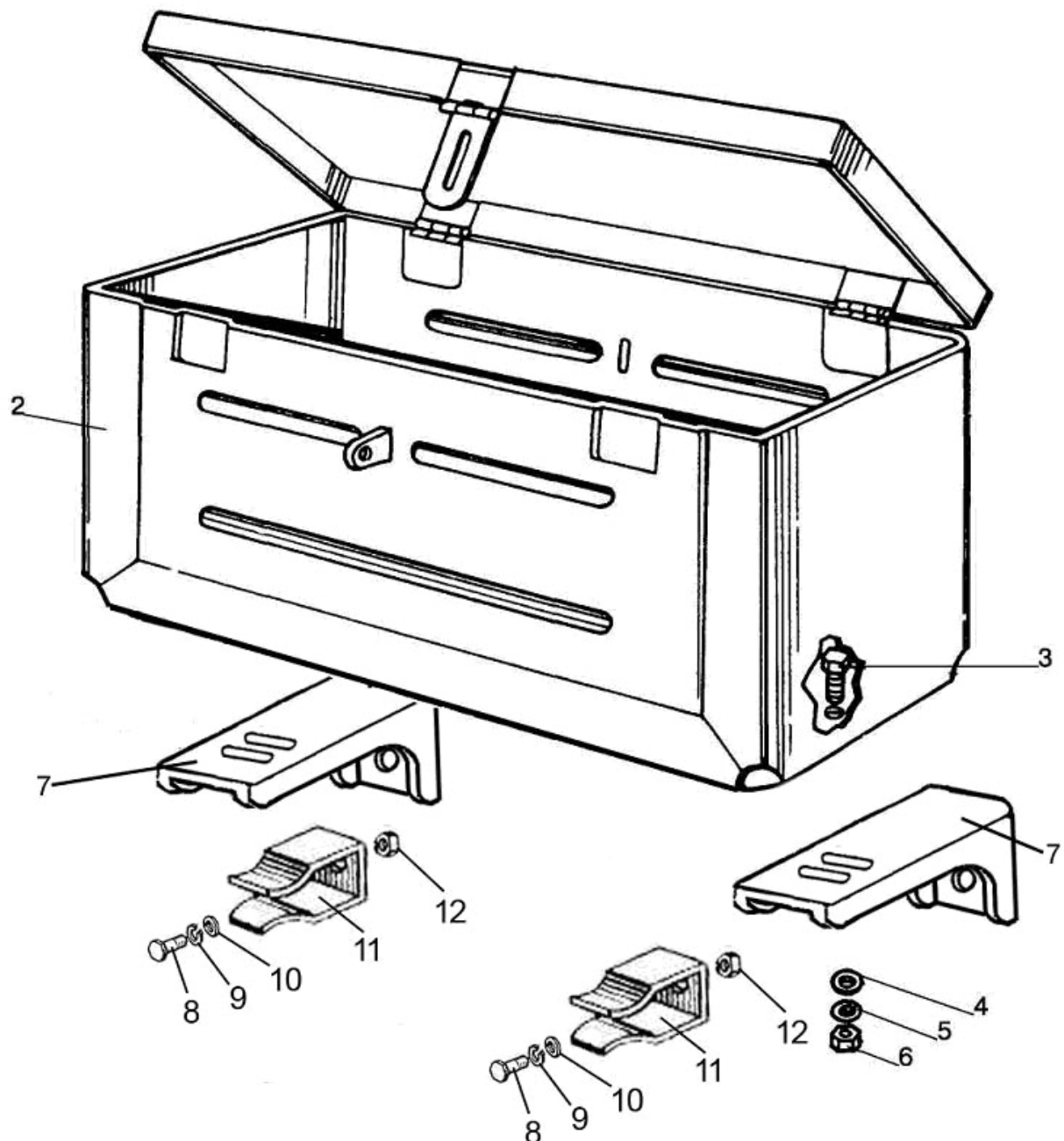


Fig.39.3. Tool box assembly

Group 39. Tools and accessories
Subgroup 3919. Tool box

Fig.	Pos.	Designation	Q-ty	Description
39.3		80-6700170		Tool box assembly
	2	70-3919110	1	Tool box
	3	M8-6gx16.88.35.019 GOST 7796-70	2	Bolt
	4	S 8.01.019 GOST 6958-78	2	Washer
	5	8T OST 37.001.115-75	2	Washer
	6	M8-6H.6.019 GOST 5915-70	2	Nut
	7	80-3919106	2	Bracket
	8	M16-6gx40.88.35.019	2	Bolt
	9	16 OT OST 37.001.115-75	2	Washer
	10	S 16.01.019 GOST 11371-78	2	Washer
	11	50-3913214	2	Clamp
	12	M16-6H.6.019 GOST 5915-70	2	Nut

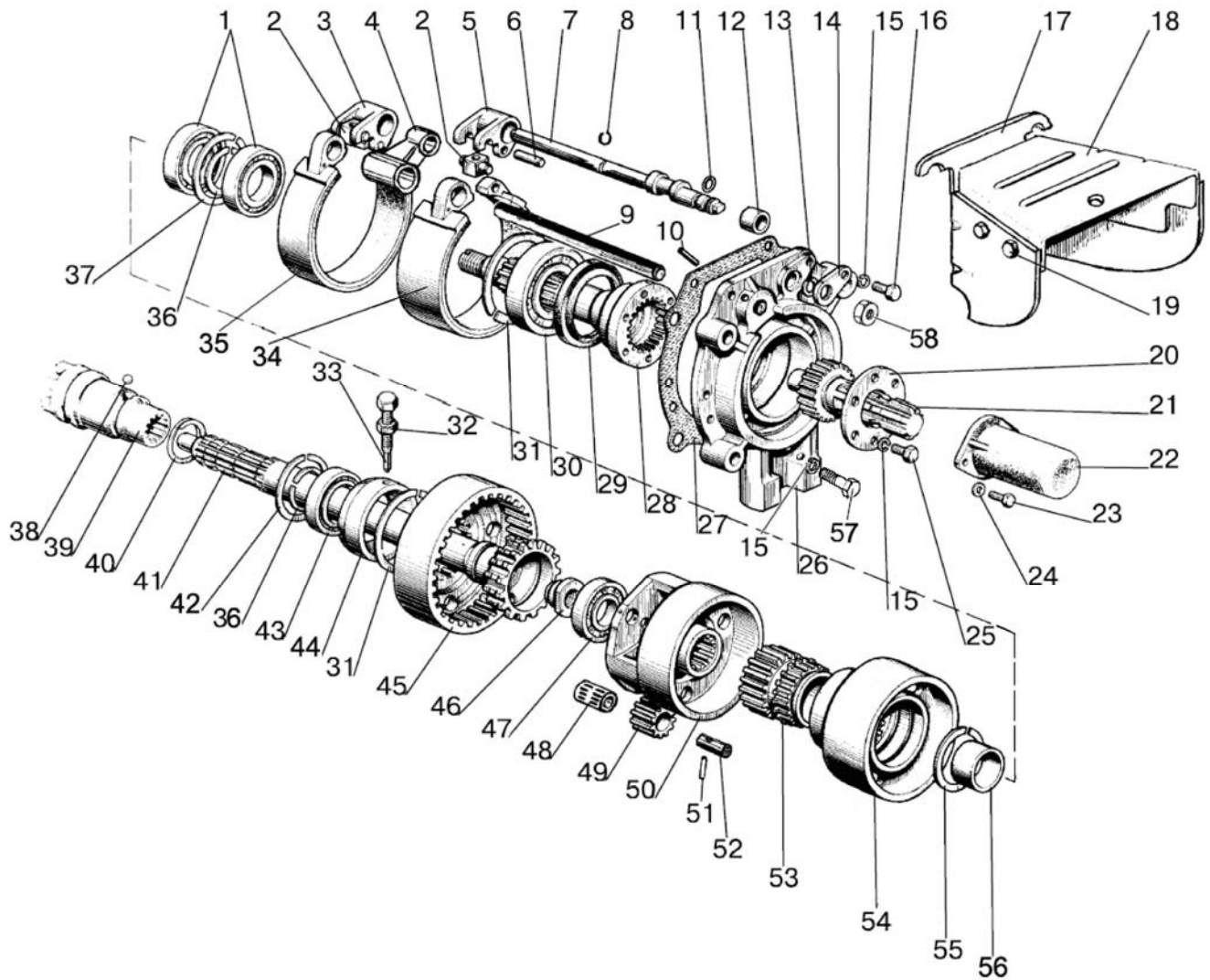


Fig.42.1. Rear power take-off shaft 85-4202010

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

Fig.	Pos.	Designation	Q-ty	Description
42.1		85-4202010	1	Rear power take-off shaft
		85-4202020	1	Cover (1-16,20,21,25-31,34-37,46-56)
		70-4202030-A	1	Crown gear (31,36, 38-45)
	1	209A GOST 8338-75	2	Bearing
	2	50-4202078	2	Pin
	3	50-4202074	1	Lever
	4	50-4202058	1	Bracket
	5	85-4202074	1	Lever
	6	SHTSK 8x36	2	Dowel
	7	80-4202076	1	Shaft
	8	54.38.619	1	Ring
	9	70-4202072-B	1	Axle
	10	A.8x20.65G chem.phosph.oil. GOST 14229-93	1	Dowel
	11	014-018-25-2-2 GOST 18829-73/9833-73	1	Ring
	12	80-4202082	1	Bushing
	13	S18 GOST 13940-86	1	Ring
	14	85-4202079	1	Plate
	15	10 OT OST 37.001.115-75	12	Washer
	16	M10-6gx40.88.35.019 GOST 7796-70	1	Bolt
	17	F70-4202095	1	Casing
	18	F70-4202092	1	Cover
	19	M8-6gx16.88.35.019 GOST 7796-70	4	Bolt
		M8-6H.6.019 GOST 5915-70	4	Nut
		8T OST 37.001.115-75	4	Washer
		S 8.01.019 GOST 11371-78	4	Washer
	20	80-4202081-A	1	Plate
	21	80-4202019-B	1	Shaft end (8 splines)
		80-4202019-B-01	1	Shaft end (6 splines) (optional)
		80-4202019-B-02	1	Shaft end (21 splines) (optional)
	22	50-4202065-A	1	Cap
	23	M8-6gx16.88.35.019 GOST 7796-70	2	Bolt
	24	8T OST 37.001.115-75	2	Washer
	25	M10-6gx18.88.35.019 GOST 7796-70	6	Bolt
	26	80-4202042-B	1	Cover
	27	50-4202092A	1	Gasket
	28	80-4202017-B	1	Shaft
	29	2.2-80x105-1 GOST 8752-79/ OST 3805146-78	1	Collar
	30	60310A GOST 7242-81	1	Bearing
	31	2S110 GOST 13941-86	2	Ring
	32	M12x1,25-6H.6.019 GOST 5915-70	1	Nut
	33	50-4202068	1	Seat screw
	34	85-4202100-01 or 85-4020100-02	1	Band with onlay 85-4202057 (TIIR 430) or Band with onlay 85-4202057-A7 (ITB 2842)
	35	85-4202100	1	Band with onlay 85-4202056 (TIIR 430)
	36	2S50 GOST 13940-86	2	Ring
	37	2S85 GOST 13941-86	1	Ring
	38	7,938-100 GOST 3722-81	1	Ball
	39	50-4202046-B	1	Shift collar
	40	A61.03.002	1	Ring

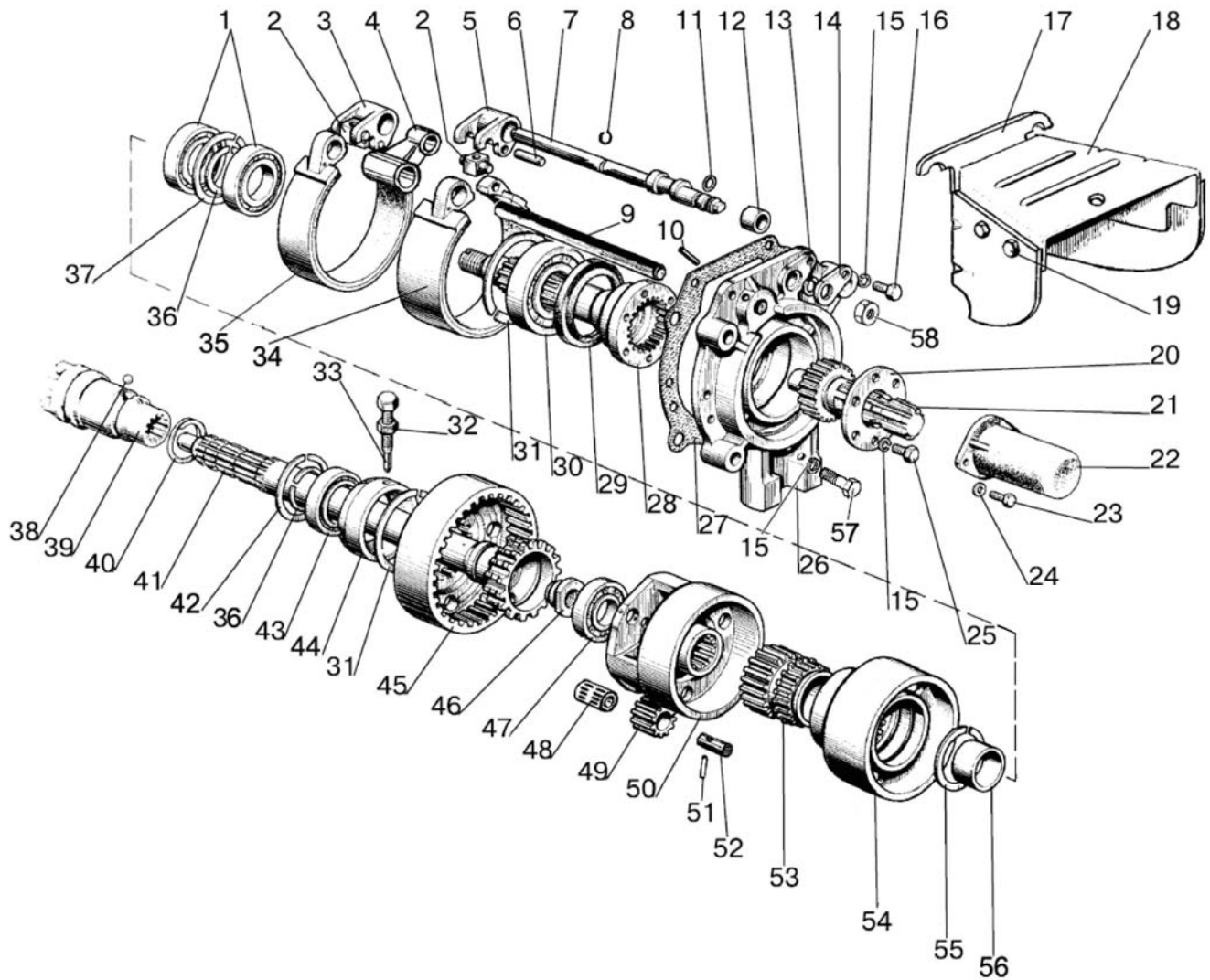


Fig.42.1. Rear power take-off shaft 85-4202010

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

Fig.	Pos.	Designation	Q-ty	Description
42.1	41	70-4202044-B	1	Shaft
	42	2S90 GOST 13941-86	1	Ring
	43	210 AUSH1 GOST8338-75	1	Bearing
	44	50-4702066-A	1	Body
	45	70-4202043	1	Crown gear
	46	70-4202083-A	1	Nut
	47	208A GOST 8338-75	1	Bearing
	48	KK20x26x34E GOST 24310-80	3	Bearing
	49	70-4202024	3	Planet gear
	40	85-4202065	1	Carrier
	51	70-4202431	3	Dowel
	52	70-4202026	3	Planet gear shaft
	53	70-4202032	1	Sun gear
	54	85-4202033	1	Drum
	55	2S68 GOST 13940-86	1	Ring
	56	70-4202077	1	Bushing
	57	M10-6gx35.88.35.019 GOST 7796-70	5	Bolt
	58	M16x1,5-6H.6.019 GOST 5915-70	4	Nut
	59	16 OT OST 37.001.115-75	4	Washer
	60	S 16.01.019 GOST 6958-78	2	Washer

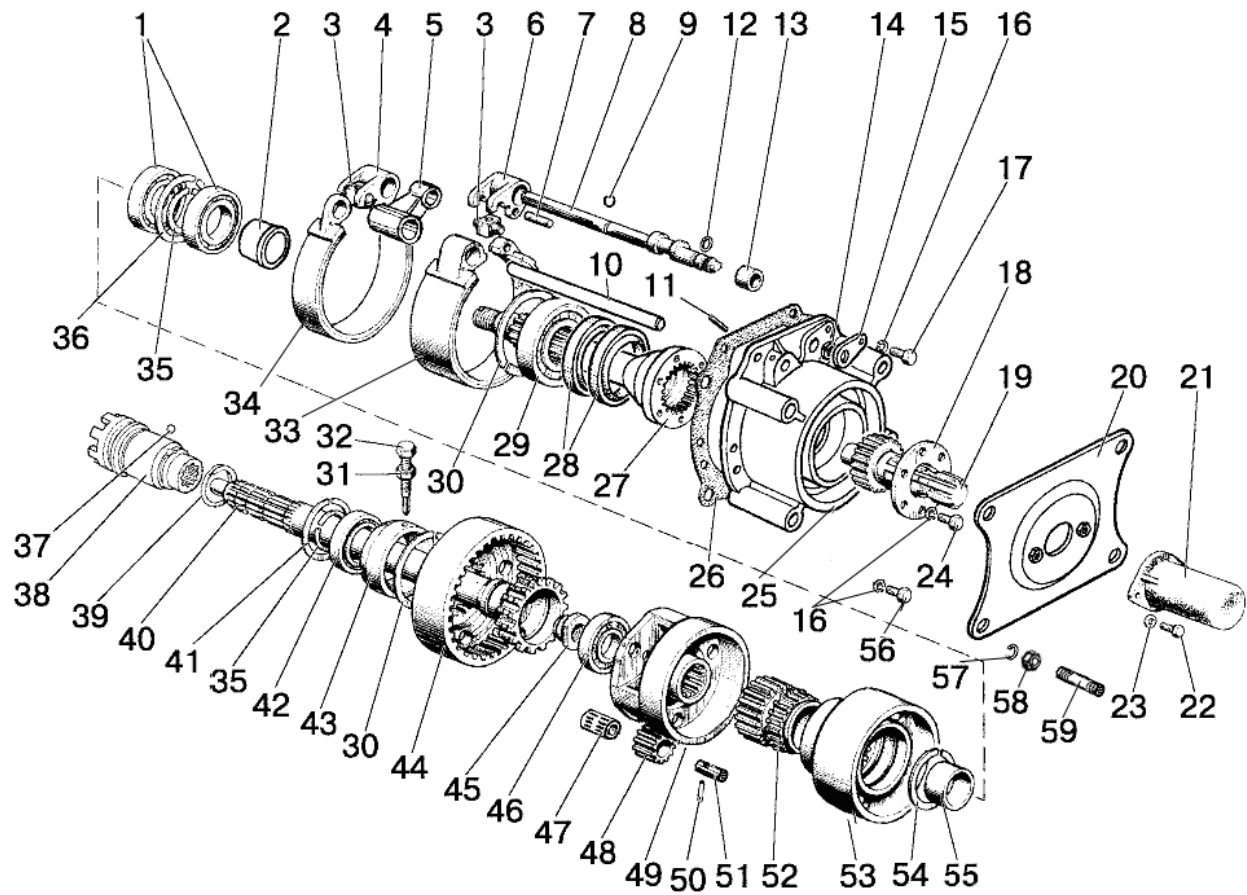


Fig.42.2. Rear power take-off shaft 1221-4202010-A

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

Fig.	Pos.	Designation	Q-ty	Description
42.2		1221-4202010-A	1	Rear power take-off shaft
		1221-4202020-A	1	Cover (1-16, 20, 21, 25-31, 35-37, 47-56)
		70-4202030-A	1	Crown gear (30,35,37-44)
	1	209A GOST 8338-75	2	Bearing
	2	1221-4202077	1	Bushing
	3	50-4202078	2	Pin
	4	50-4202074	1	Lever
	5	50-4202058	1	Bracket
	6	85-4202074	1	Lever
	7	SHTSK 8x36	2	Dowel
	8	80-4202076	1	Shaft
	9	54.38.619	1	Ring
	10	70-4202072-B	1	Axle
	11	A.8x20.65G	1	Dowel
	12	014-018-25-2-2 GOST 18829-73/9833-73	1	Ring
	13	80-4202082	1	Bushing
	14	S18 GOST 13940-86	1	Ring
	15	85-4202079	1	Plate
	16	10 OT OST 37.001.115-75	12	Washer
	17	M10-6gx40.88.35.019 GOST 7796-70	1	Bolt
	18	80-4202081-A	1	Plate
	19	80-4202019-B	1	Shaft end (with 8 splines)
		80-4202019-B-01 ¹⁾	1	Shaft end (with 6 splines)
		80-4202019-B-02 ¹⁾	1	Shaft end (with 21 splines)
	20	1321-4202180	1	Plate
	21	50-4202065-A	1	Cap
	22	M8-6gx16.88.35.019 GOST 7796-70	2	Bolt
	23	8T OST 37.001.115-75	2	Washer
	24	M10-6gx18.88.35.019 GOST 7796-70	6	Bolt
	25	1221-4202042	1	Cover
	26	50-4202092-A	1	Gasket
	27	1221-4202017	1	Shaft
	28	2.2-80x105-1 GOST 8752-79/OST 3805146-78	2	Collar
	29	60310A GOST 7242-81	1	Bearing
	30	2S110 GOST 13941-86	1	Ring
	31	M12x1,25-6H.6.019 GOST 5915-70	1	Nut
	32	50-4202068	1	Screw
	33	85-4202100-01 or	1	Band with onlay 85-4202057 (TIIR 430)
		85-4202100-02		Band with onlay 85-4202057-A7 (ITB 2842)
	34	85-4202100	1	Band with onlay 85-4202056 (TIIR 430)
	35	2S50 GOST 13940-86	2	Ring
	36	2S85 GOST 13941-86	1	Ring
	37	7,938-100 GOST 3722-81	1	Ball
	38	50-4202046-B	1	Shift collar
	39	A61.03.002	1	Ring
	40	70-4202044-B	1	Shaft
	41	2S90 GOST 13941-86	1	Ring
	42	210 AUSH1 GOST8338-75	1	Bearing
	43	50-4202066-A	1	Body
	44	70-4202043	1	Crown gear
	45	70-4202083-A	1	Nut

¹⁾ Optional

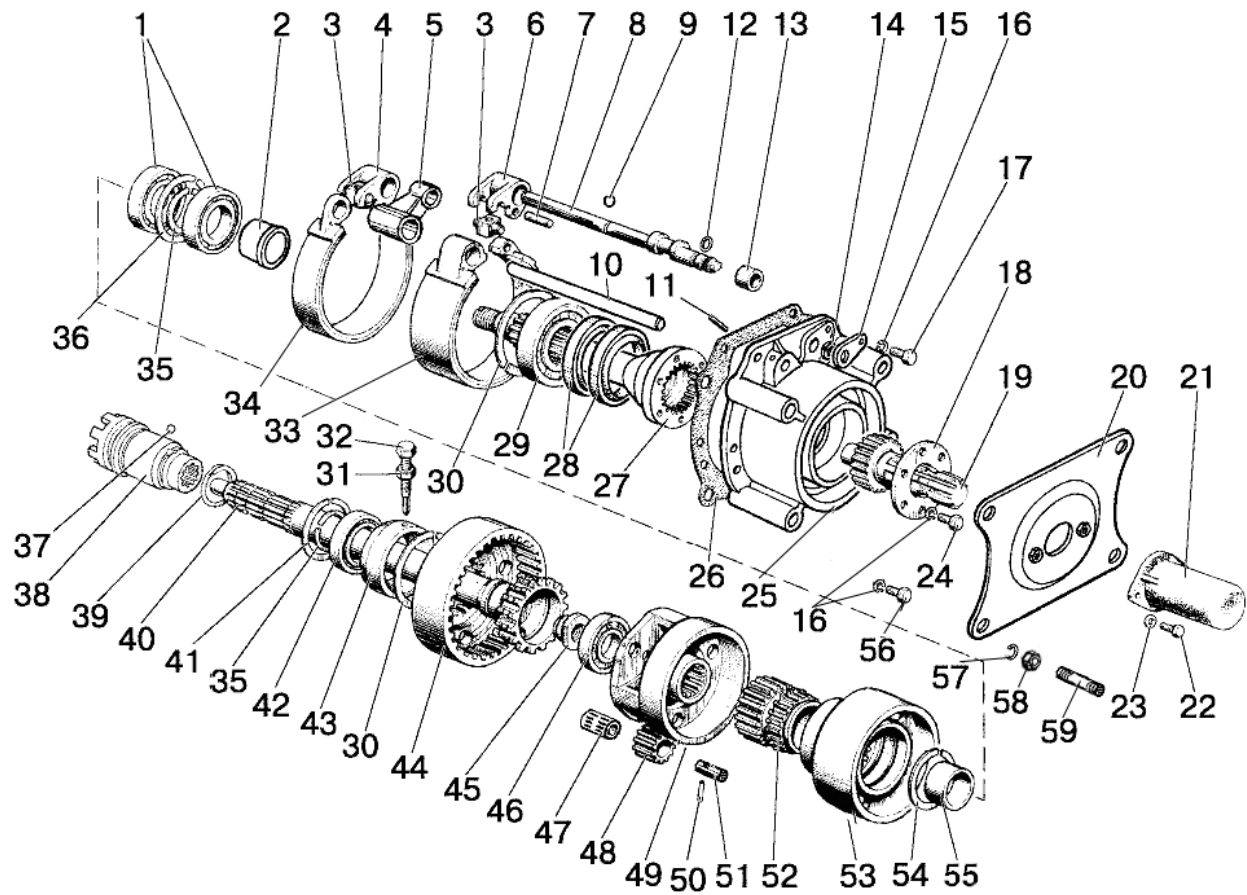


Fig.42.2. Rear power take-off shaft

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

Fig.	Pos.	Designation	Q-ty	Description
42.2	46	208A GOST 8338-75	1	Bearing
	47	KK20x26x34E GOST 24310-80	3	Bearing
	48	70-4202024	3	Planet gear
	49	85-4202065	1	Carrier
	50	70-4202431	3	Dowel
	51	70-4202026	3	Planet gear shaft
	52	70-4202032	1	Sun gear
	53	85-4202033	1	Drum
	54	2S68 GOST 13940-86	1	Ring
	55	70-4202077	1	Bushing
	56	M10-6gx50.88.35.019 GOST 7795-70	5	Bolt
	57	16 OT OST 37.001.115-75	4	Washer
	58	M16x1,5-6H.6.019 GOST 5915-70	4	Nut
	59	1221-4202028	4	Stud

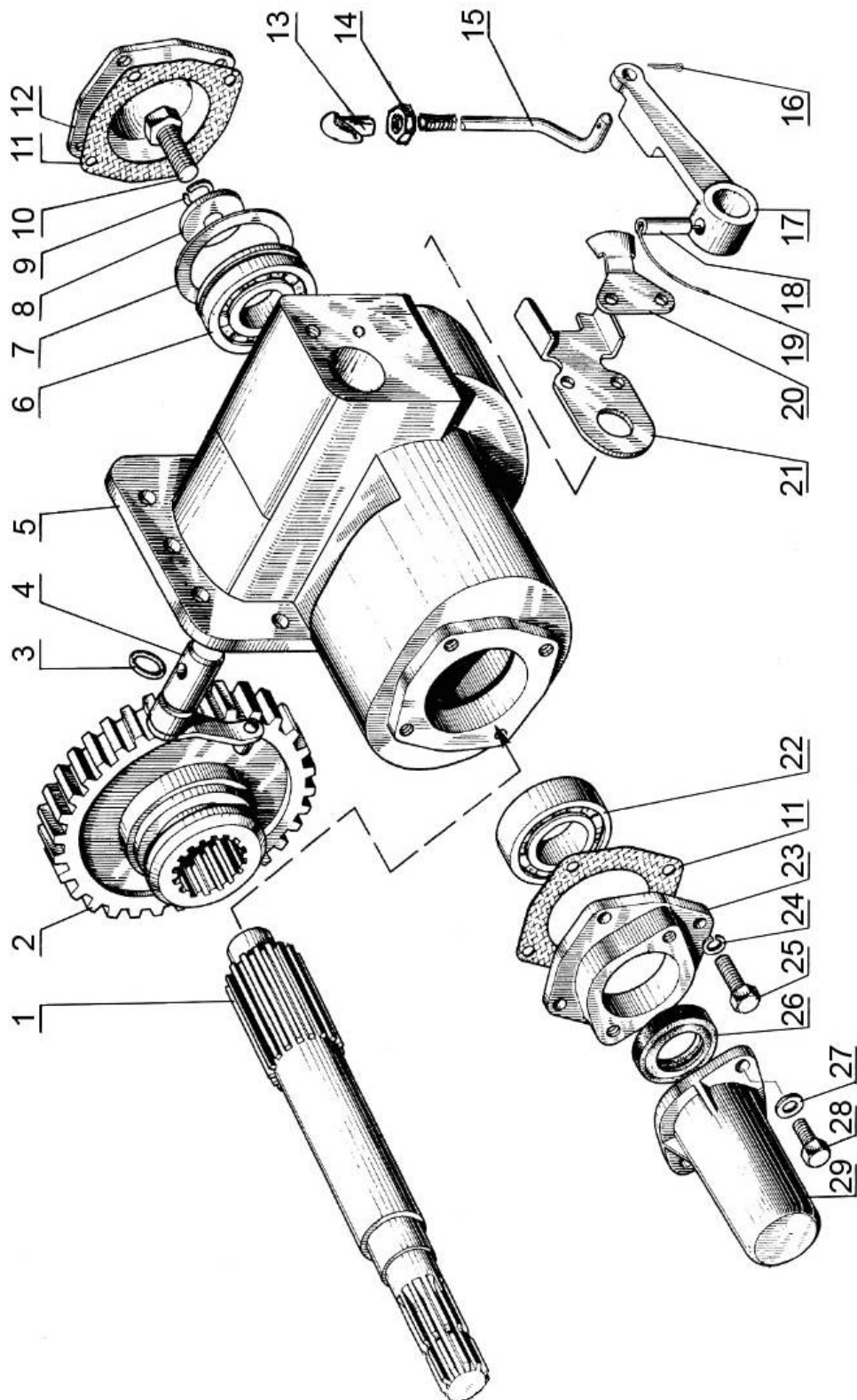


Fig.42.3. Side power take-off

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

Fig.	Pos.	Designation	Q-ty	Description
42.3		50-4204010 ¹⁾ 50-4204010-01 ²⁾	1	Power take-off shaft (1-28)
	1	50-4204022 ¹⁾ F50-4204022 ²⁾	1	Side shaft
	2	F50-4204026	1	Gear (Z=37)
	3	020-025-30-1-4 GOST 18829-73/9833-73	1	Ring
	4	50-4204040-A	1	Shaft
	5	50-4204015-B	1	Housing
	6	208A GOST 8338-75	1	Bearing
	7	72 GOST 2893-82	1	Ring
	8	50-1601038	1	Washer
	9	12 OT OST 37.001.115-75	1	Washer
	10	M12-6gx35.88.35.019 GOST 7796-70	1	Bolt
	11	50-1601091	2	Gasket
	12	50-1601089	1	Cover
	13	50-1310136-A	1	Handle
	14	M8-6H.6.019 GOST 5915-70	1	Nut
	15	80-4204042	1	Rod
	16	3,2x18.019 GOST 397-79	1	Split pin
	17	50-4204034	1	Control lever
	18	A.10x40.65G chem.phosph.oil. GOST 14229-93	1	Dowel
	19	1,6-O-S GOST 3282-74	1	Wire (L=200mm)
	20	50-4204036-B	1	Plate
	21	50-4204038	1	Plate
	22	6-50306K GOST8338-75/2893-82	1	Bearing
	23	50-4204024	1	Cover
	24	8T OST 37.001.115-75	10	Washer
	25	M8-6gx25.88.35.019 GOST 7796-70	4	Bolt
	26	2.2-38x58-1 GOST 8752-79/ OST 3805146-78	1	Collar
	27	S 8.01.019 GOST 11371-78	2	Washer
	28	M8-6gx16.88.35.019 GOST 7796-70	8	Bolt
	29	50-4202065-A	1	Cap
¹⁾ 8 – splines ²⁾ 6 – splines				

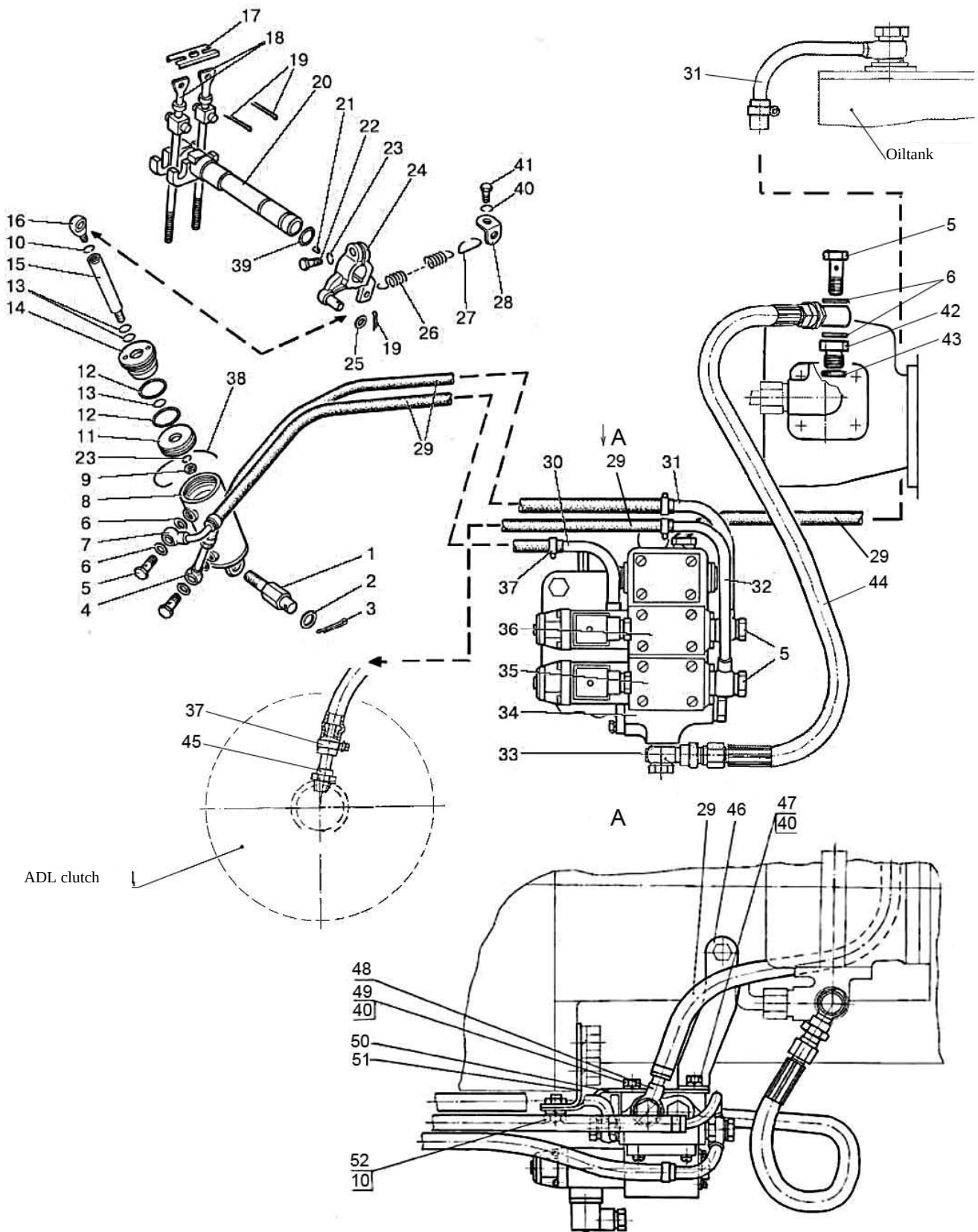


Fig.42.4. Electro-hydraulic control of rear PTO and rear axle differential

Subgroup 4803. ADL and PTO hydraulic drive**Subgroup 4216. Rear power take-off control**

Fig.	Pos.	Designation	Q-ty	Description
42.4		920-4803150-01	1	ADL and PTO hydraulic drive
		920-4216010	1	PTO control (1-28)
		80-4216100	1	Cylinder (8-16,23,38)
	1	821-4216048	1	Bolt
	2	S 16.01.019 GOST 11371-78	1	Washer
	3	4x36.019 GOST 397-79	1	Split pin
	4	85-4216125	1	Oil pipeline
	5	D18-051	8	Bolt
	6	RM14	16	Washer
	7	85-4216130	1	Oil pipeline
	8	80-4216115	1	Housing
	9	M12-6H.6.019 GOST 5915-70	1	Nut
	10	10 OT OST 37.001.115-75	3	Washer
	11	80-4216118	1	Piston
	12	045-050-30-2-2 GOST 18829-73/9833-73	2	Ring
	13	15.54x2.62 DBS/AS MS 29513 GOST 18829-73/9833-73	3	Ring
	14	80-4216116	1	Front cover
	15	80-4216119	1	Rod
	16	80-4216121	1	End piece
	17	80-4216039	1	Stop member
	18	70-4216028	2	Screw
	19	3,2x18.019 GOST 397-79	3	Split pin
	20	50-4216070-B	1	Shaft
	21	SSH-611	1	Key 6x11
	22	M12-6gx35.88.35.019 GOST 7796-70	1	Bolt
	23	12 OT OST 37.001.115-75	2	Washer
	24	821-4216020	1	Lever
	25	S 12.01.019 GOST 11371-78	1	Washer
	26	50-1605152	1	Spring
	27	70-3514094	1	Hook
	28	80-1602116	1	Eye
	29	1221-2412026	4	Hose
	30	822-4801190	1	Oil pipeline (PTO)
	31	822-4801195	3	Oil pipeline (PTO)
	32	923-4803165	1	Oil pipeline (ADL)
	33	920-4803155	1	Oil pressure pipeline
	34	822-4801180-B-01	1	Hydraulic drive plate
	35	RG822-6/1.2 SE.V.574A.G12.O1	1	Hydraulic distributor (ADL)
	36	RG822-6/1.2 SE.V.574A.G12.O1	1	Hydraulic distributor (PTO)
	37	12-22	8	Clamp with worm thread
	38	80-4216117	1	Dowel
	39	025-030-30-1-4 GOST 18829-73/9833-73	1	Ring
	40	8T OST 37.001.115-75	5	Washer
	41	M8-6gx40.88.35.019 GOST 7795-70	1	Bolt
	42	1021-4803158	1	Adapter
	43	017-022-30-1-4 GOST 18829-73/9833-73	1	Ring
	44	952-3407100-12	1	High-pressure hose Ø8x1 reinforced
	45	85-3407470	1	Fitting
	46	920-4803154	1	Shelf
	47	M8-6gx25.88.35.019 GOST 7796-70	1	Bolt
	48	F80-3407720	1	Oil pipeline
	49	M8-6gx20.88.35.019 GOST 7796-70	3	Bolt
	50	920-4803153	1	Plate
	51	920-4803160	1	Bracket
	52	M10-6gx20.88.35.019 GOST 7796-70	2	Bolt

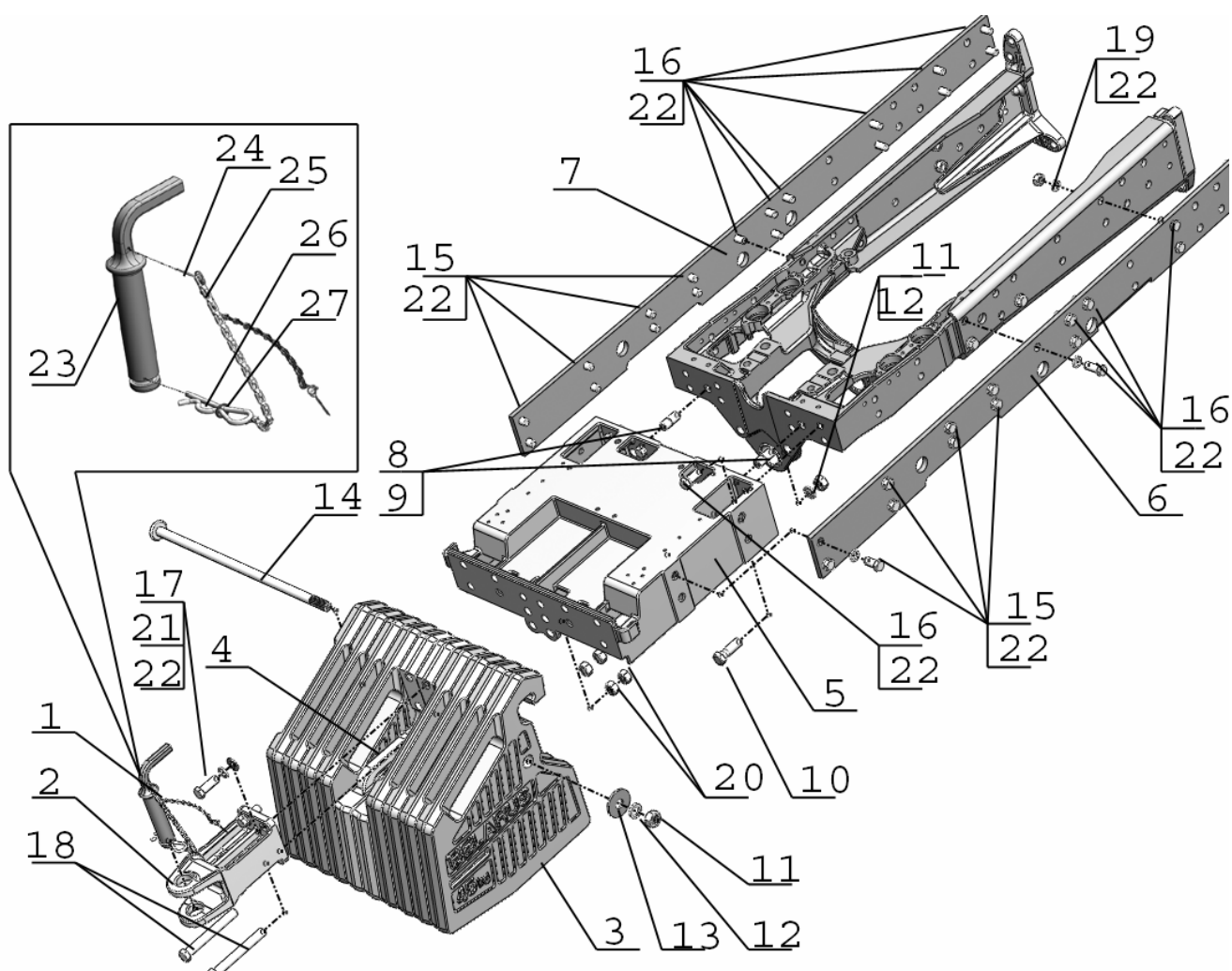


Fig.42.5. Ballast

Subgroup 4235. Ballast

Fig.	Pos.	Designation	Q-ty	Description
42.5		923-4235010-06 ¹⁾		Ballast
		923-4235010-07 ²⁾		
		923-4235010-11 ³⁾		
	1	70-4235030	1	Pin (23-27)
	2	85-4235025-B or 1025-4235018	1	Eyelet
	3	80-4235011	6 ²⁾ 8 ³⁾	Weight
	4	1521-4235011-A	2	Weight
	5	923-4235016	1	Bracket
	6	822-4235028	1	Strip
	7	822-4235028-01	1	Strip
	8	50-4605027	2	Dowel
	9	54.38.619	2	Locking ring
	10	70-4605036-03	2	Bolt
	11	M20-6H.6.019 GOST 5915-70	3	Nut
	12	20 OT OST 37.001.115-75	3	Washer
	13	40-3502084	1	Washer
	14	1025-4235015-01 ³⁾ or 1025-4235014-02 ²⁾	1	Bar
	15	M16-6gx32.88.35.019 GOST 7796-70	16	Bolt
	16	M16-6gx40.88.35.019 GOST 7796-70	28	Bolt
	17	M16-6gx45.88.35.019 GOST 7796-70	2	Bolt
	18	1025-4235012 or M16-6gx70.88.35.019 GOST 7796-70 ¹⁾	2	Bolt
	19	M16-6H.6.019 GOST 5915-70	4	Nut
	20	M18-6H.6.019 GOST 5915-70	4	Nut
	21	S 16.01.019 GOST 11371-78	2	Washer
	22	16 OT OST 37.001.115-75	46	Washer
	23	50-4605079-B	1	Pin
	24	3,2x25.019 GOST 397-79	2	Split pin
	25	70-4235035	2	Chain
	26	A61.07.001	1	Split pin
	27	Ring 011-015-25 GOST 18829-73	1	Ring
¹⁾ Without weights ²⁾ With weights 8x45 kg. ³⁾ With weights 10x45 kg.				

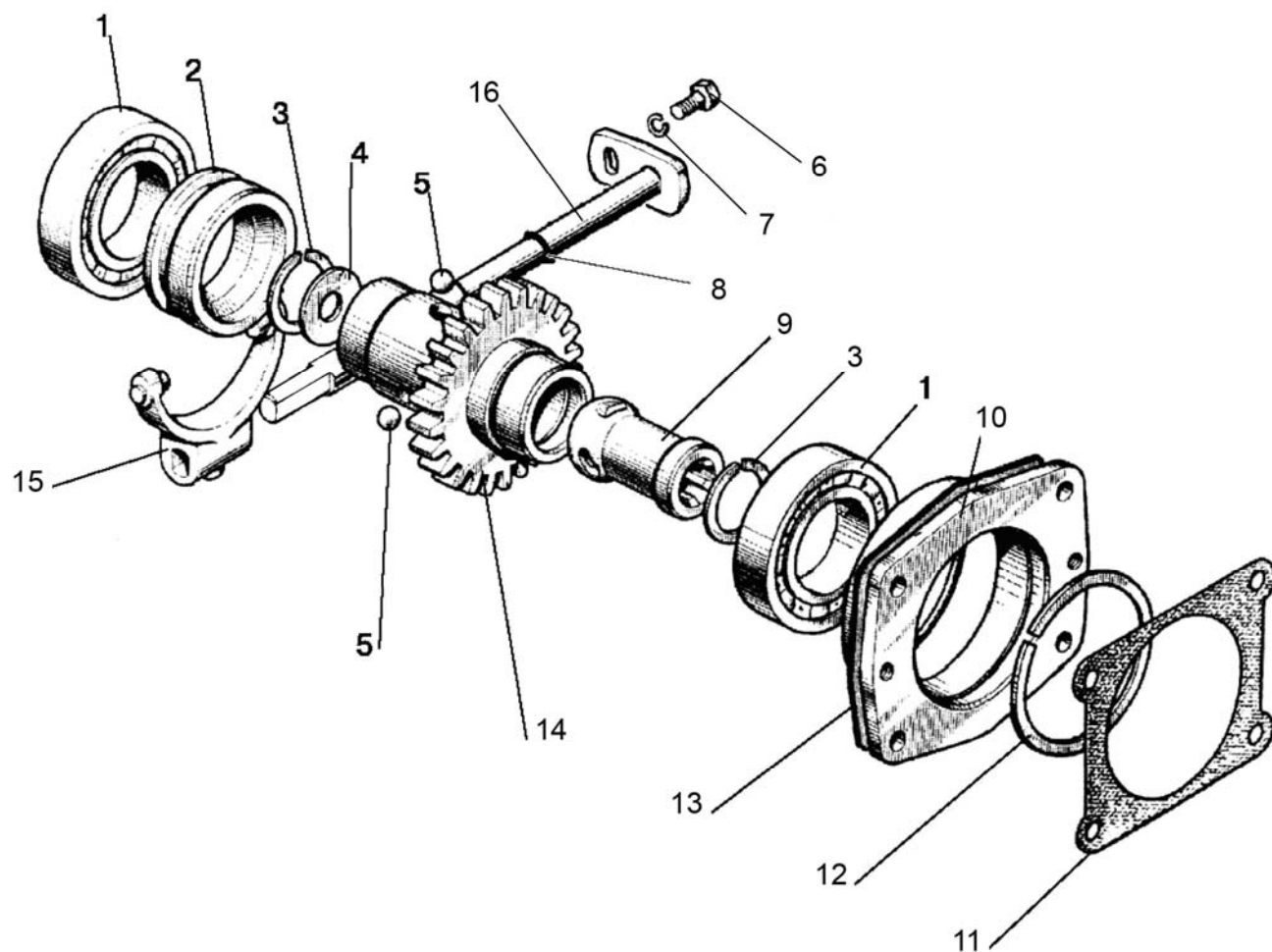


Fig.46.1. Pump drive

Group 46. Hydraulic system
Subgroup 4604. Pump drive

Fig.	Pos.	Designation	Q-ty	Description
46.1		80-4604010	1	Pump drive (1-5, 11-14, 16-24)
	1	210 AUSH1 GOST8338-75	2	Bearing
	2	85-4604017	1	Coupling
	3	S40 GOST 13943-86	2	Ring
	4	70-1108179	1	Special washer
	5	11,112-100 GOST 3722-81	3	Ball
	6	M8-6gx16.88.35.019 GOST 7796-70	1	Bolt
	7	8T OST 37.001.115-75	1	Washer
	8	013-017-25-1-4 GOST 18829-73/9833-73	1	Ring
	9	85-4604012	1	Bushing
	10	50-4604036-A	1	Bearing body
	11	36-1022054-A	1	Gasket
	12	2S90 GOST 13941-86	1	Ring
	13	70-4604037	1	Gasket
	14	80-4604032-A	1	Gear
	15	85-4604030-B	1	Yoke
	16	85-4604040-B	1	Shaft

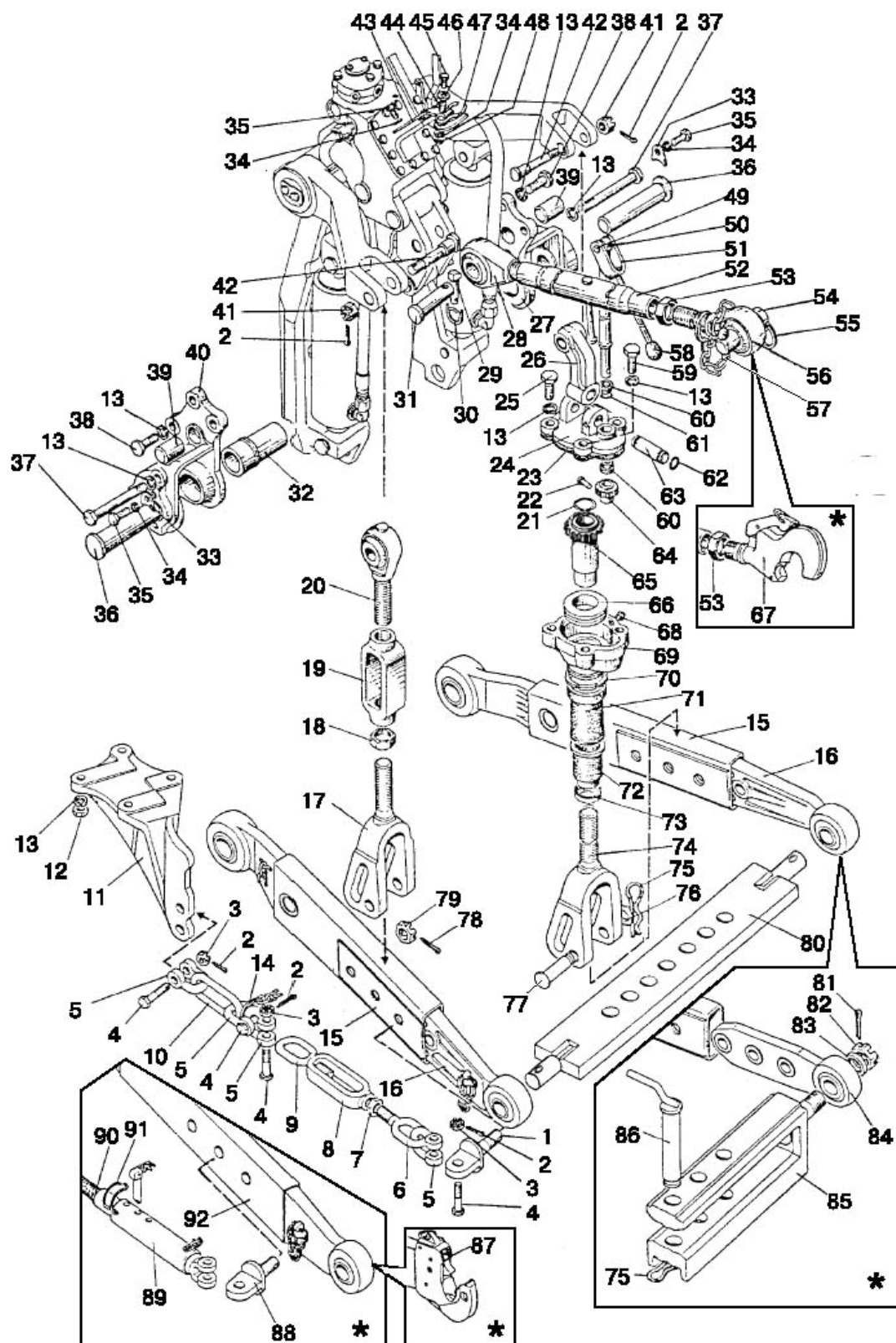


Fig. 46.2 Rear lift linkage mechanism

Group 46. Hydraulic system
Subgroup 4605. Rear lift linkage mechanism

Fig.	Pos.	Designation	Q-ty	Description
46.2		822-4605510	1	Hitch (1-66,68-79)
		A61.03.000	1	Upper link (28,52-57) Pin pos.54 Ø22 mm
		A61.03.000-01 ¹⁾	1	Upper link (28,52-57) Pin Pos.54 Ø25 mm
		80-4605690 ¹⁾	1	Upper link (28,52-56,67)
		1220-4605150-B-01	1	Adjustable drop link (13,21-26,49-51, 58-74)
		1220-4605610-01	1	Adjustable drop link (for solid link)
		1220-4605012-B	1	Drop link (17-20)
		1220-4605612-01 ¹⁾	1	Screw drop link (for solid link)
		1220-4605030-B-02	2	Link (1,15,16,78,79) b=38 mm
		1220-4605030-B-04 ¹⁾	2	Link (1,15,16,78,79) b=45 mm
		1220-4605580	2	Turnbuckle (6-9)
		822-4605085	1	Crossbar (75,81-86)
		80-4605280	2	Telescopic turnbuckle (89-91)
	1	1220-4605108-01	2	Eyelet
	2	3,2x25.019 GOST 397-79	8	Split pin
	3	M12-6H.04.019 GOST 5919-73	8	Nut
	4	50-4605086	8	Bolt
	5	A61.09.002	8	Clevis
	6	1220-4605058	2	Screw
	7	M20-6H.04.019 GOST 5916-70	2	Nut
	8	A61.04.003-01	2	Turnbuckle
	9	1220-4605058-01	2	Screw
	10	40-4605098	2	Ring
	11	80-4605091	1	Right bracket
		80-4605091-01	1	Left bracket
	12	M16x1,5-6H.6.019 GOST 5915-70	8	Nut
	13	16 OT OST 37.001.115-75	16	Washer
	14	H50-4605060	2	Chain with ring
	15	1220-4605050-B-01	2	Link (with chain)
	16	1220-4605040	2	Link (pivot b=38 mm)
		1220-4605040-02 ¹⁾	2	Link (pivot b=45 mm)
	17	1220-4605200-B	1	Yoke
		1220-4605620-B ¹⁾	1	Yoke (for solid link)
	18	142-4605424	1	Locknut
	19	142-4605422	1	Turnbuckle
	20	1220-4605075	1	Screw
	21	142-4605403	1	Limiter
	22	A61.01.005	1	Axle
	23	142-4605421	1	Gasket
	24	142-4605418-B	1	Cover
	25	142-4605408	2	Bolt
	26	1220-4605668-B	1	Clevis
	27	1220-4605501	1	Right bracket
	28	A61.02.100-03	1	Screw
	29	A61.05.005	1	Cotter key
	30	A61.05.004	1	Ring
	31	A61.10.001-02	1	Pin
	32	1220-4605502	2	Bushing
	33	1220-4605504	2	Plate
	34	12 OT OST 37.001.115-75	4	Washer
	35	M12-6gx25.88.35.019 GOST 7796-70	4	Bolt
	36	1220-4605503	2	Pin
	37	70-2800016-01	2	Bolt

¹⁾ Optional

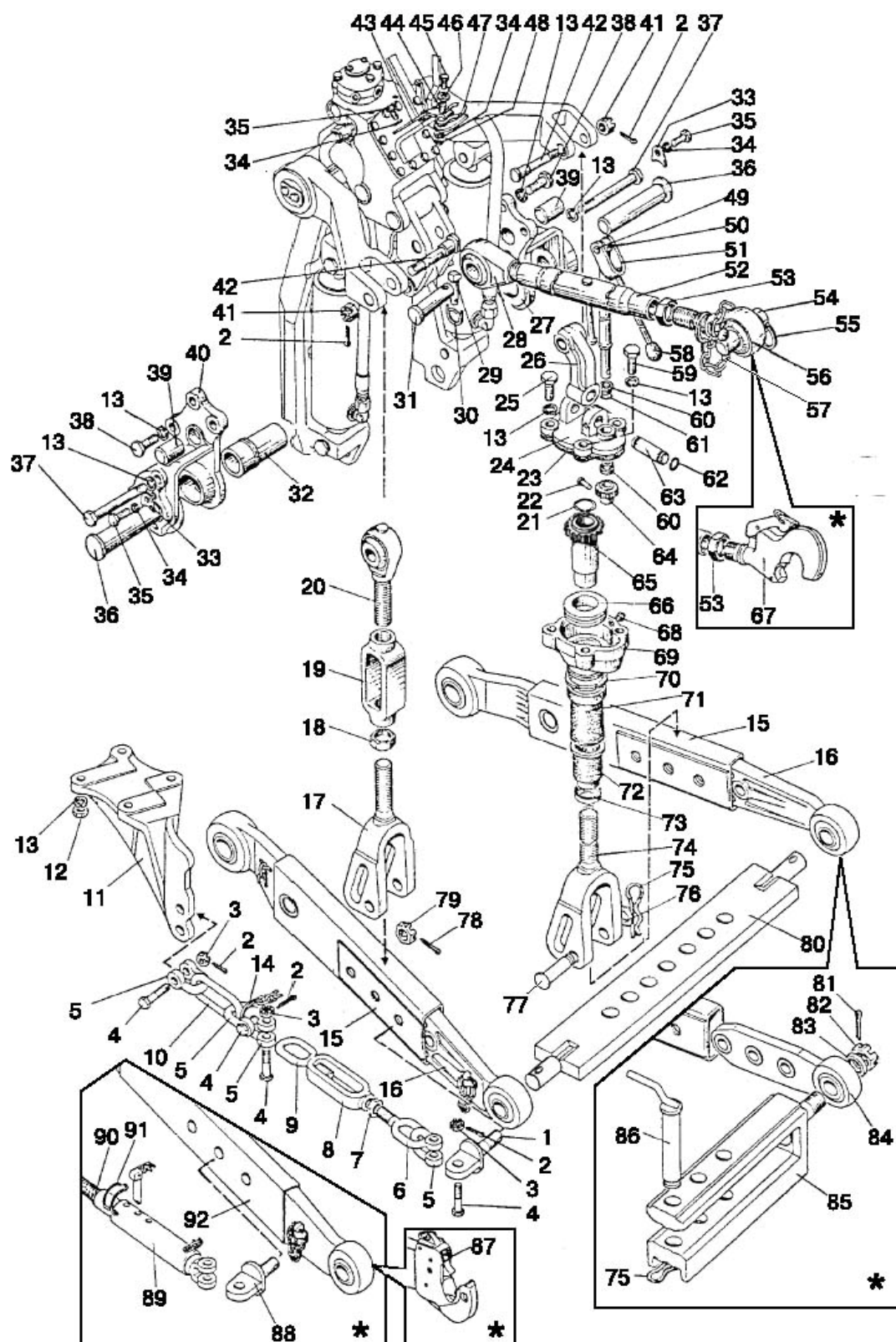


Fig. 46.2 Rear lift linkage mechanism

Group 46. Hydraulic system
Subgroup 4605. Rear lift linkage mechanism

Fig.	Pos.	Designation	Q-ty	Description
46.2	38	1220-4605506	6	Bolt
	39	1220-4605507	2	Dowel
	40	1220-4605501-01	1	Left bracket
	41	M20x1,5-6H.04.019 GOST 5919-73	2	Nut
	42	142-4605076	2	Pin
	43	1220-4605675	1	Bracket
	44	50-4605069	1	Bushing
	45	M12-6gx35.88.35.019 GOST 7796-70	1	Bolt
	46	S 12.01.019 GOST 11371-78	1	Washer
	47	A61.07.002	1	Spring
	48	M12-6H.6.019 GOST 5915-70	1	Nut
	49	A61.01.016	1	Axle
	50	A.61.01.600	1	Shaft
	51	A61.01.400	1	Yoke
	52	A61.03.100	1	Pipe
	53	A61.02.003	1	Locknut
	54	A61.03.001-02	1	Pin Ø22 mm
		A61.03.001-01 ¹⁾	1	Pin Ø25 mm
	55	A61.03.002	2	Ring
	56	A61.02.100-04	1	Screw with Ø22 mm hole in pivot
		A61.02.100-05 ¹⁾	1	Screw with Ø25 mm hole in pivot
	57	A61.05.100	1	Cotter key (9 elements)
	58	A61.01.014	1	Handle
	59	M16-6gx40.88.35.019 GOST 7796-70	2	Bolt
	60	A61.01.017	2	Bushing
	61	016-021-30-2-4 GOST 18829-73/9833-73	1	Ring
	62	142-4605431	2	Ring
	63	142-4605404-B	1	Pin
	64	142-4605413	1	Gear
	65	142-4605425	1	Pipe
	66	8210 GOST 7872-89	1	Bearing
	67	80-4605685 ¹⁾	1	Hook
	68	1.3.TS9.chr GOST 19853-74	1	Oiler
	69	142-4605415	1	Housing
	70	142-4605402	1	Bushing
	71	142-4605407	1	Pipe
	72	142-4605406	1	Cap
	73	142-4605401	1	Limiter
	74	1220-4605100-B	1	Yoke
		1220-4605615	1	Yoke (for solid link)
	75	A61.07.001	3	Split pin
	76	50-3503071	2	Washer
	77	1220-4605084	2	Pin L=130 mm
		1220-4605084-01	2	Pin L=100 mm (for solid link)
	78	5x36.019 GOST 397-79	2	Split pin
	79	70-4605316	2	Nut
	80	1220-4605025	1	Crossbar
	81	5x45.019 GOST 397-79 ¹⁾	2	Split pin
	82	A04.02.020 ¹⁾	2	Nut
	83	80-4605068 ¹⁾	2	Washer
	84	822-4605060 ¹⁾	2	End piece
	85	822-4605065 ¹⁾	1	Crossbar
	86	822-4605070 ¹⁾	1	Pin
¹⁾ Optional				

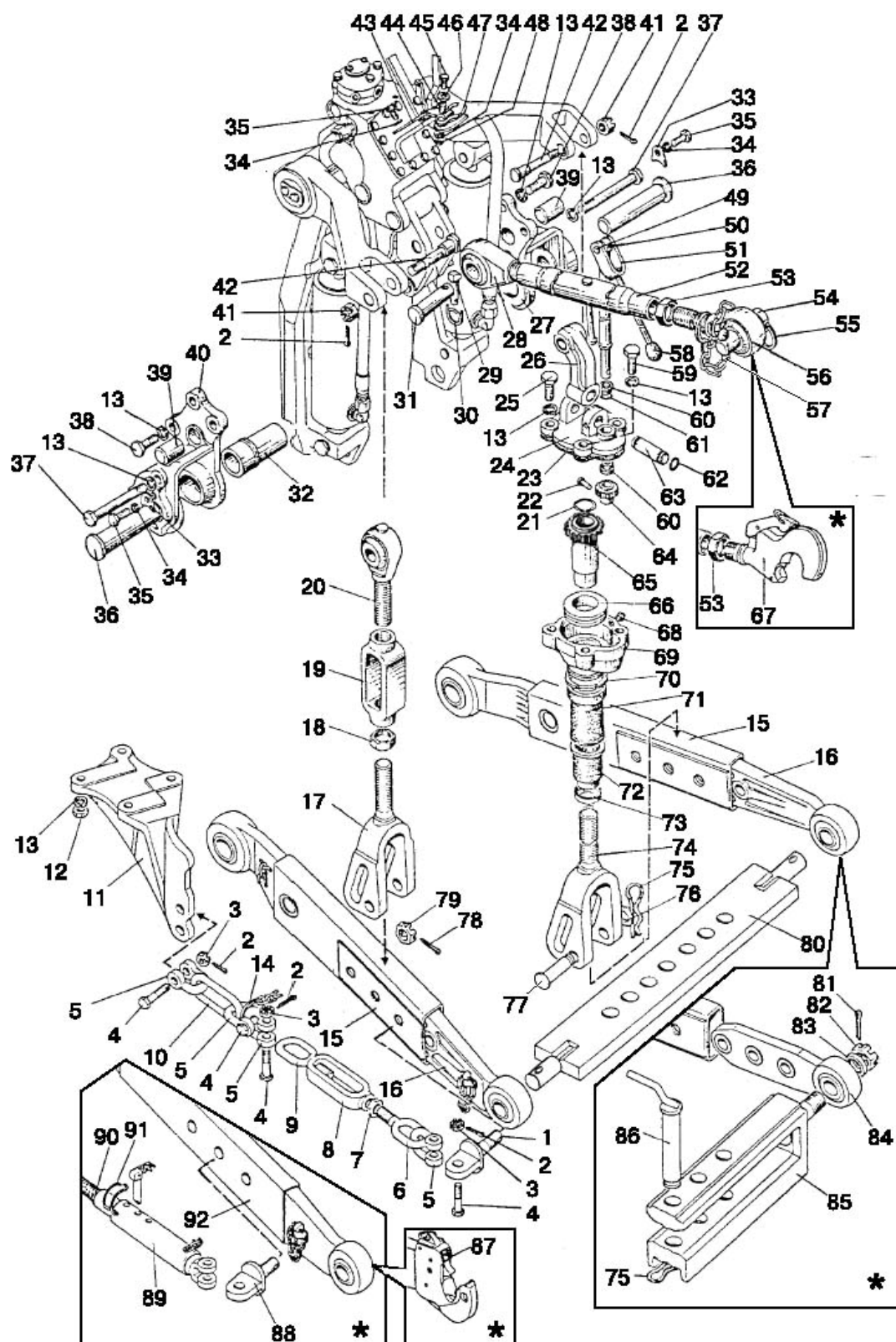


Fig. 46.2 Rear lift linkage mechanism

Group 46. Hydraulic system
Subgroup 4605. Rear lift linkage mechanism

Fig.	Pos.	Designation	Q-ty	Description
46.2	87	1220-4605630-04 ¹⁾	1	Right link without chain
		1220-4605630-05 ¹⁾	1	Right link with chain
		1220-4605635-04 ¹⁾	1	Left link without chain
		1220-4605635-05 ¹⁾	1	Left link with chain
	88	1220-4605108 ¹⁾	2	Eyelet
	89	80-4605285-B ¹⁾	2	Pipe
	90	80-4605284 ¹⁾	2	Screw
	91	80-4605292 ¹⁾	2	Latch
	92	1220-4605530-04 ¹⁾	2	Link without chain b=38 mm
		1220-4605530-05 ¹⁾	2	Link with chain b=38 mm
		1220-4605530-06 ¹⁾	2	Link without chain b=45 mm
		1220-4605530-07 ¹⁾	2	Link with chain b=45 mm
¹⁾ Optional				

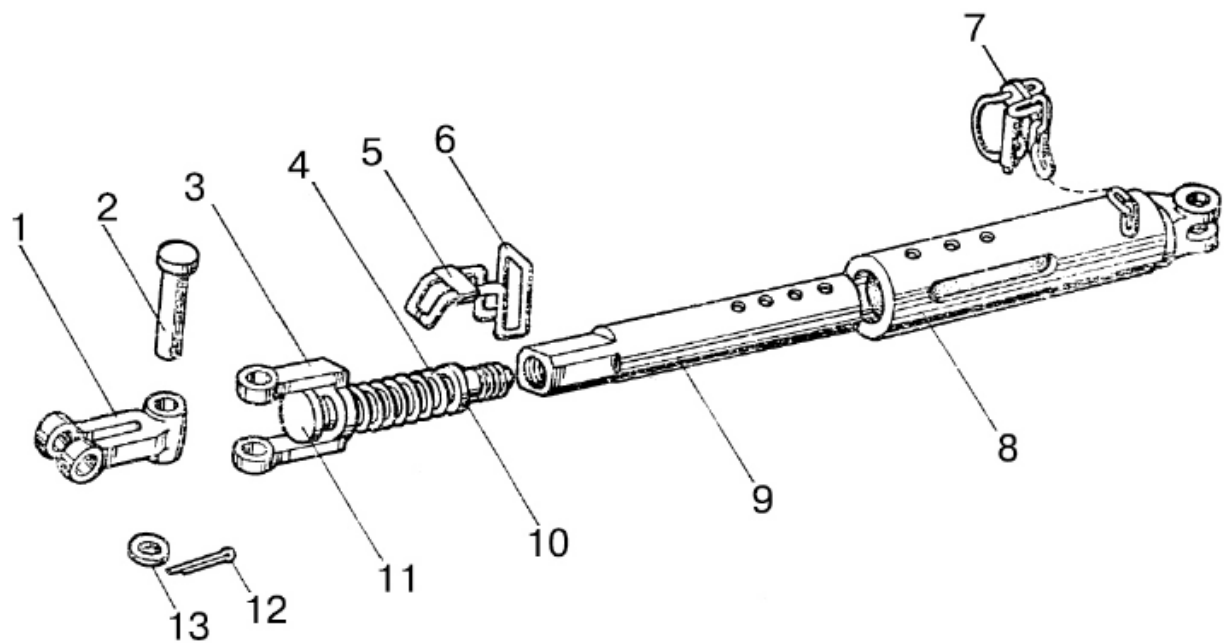


Fig. 46.3. Telescopic turnbuckle

Group 46. Hydraulic system
Subgroup 4605. Telescopic turnbuckle

Fig.	Pos.	Designation	Q-ty	Description
46.3		80-4605280	2	Telescopic turnbuckle (1-13)
	1	80-4605281	2	Yoke
	2	80-4605283 or 16x80 OST 37.001.163-75	2	Axle (L=75 mm)
			2	Pin
	3	80-4605282	2	Clevis
	4	50-4609018	2	Spring
	5	80-4605293	2	Plate
	6	80-4605289	2	Handle
	7	80-4605290	2	Cotter key
	8	80-4605285-B	2	Pipe
	9	80-4605288-B	2	Slide bar
	10	S 12.01.019 GOST 11371-78	2	Washer
	11	80-4605284	2	Screw
	12	3,2x25.019 GOST 397-79	2	Split pin
	13	16 OT OST 37.001.115-75	2	Washer

Fig.46.4. Hydraulic system R1221-4600010-02

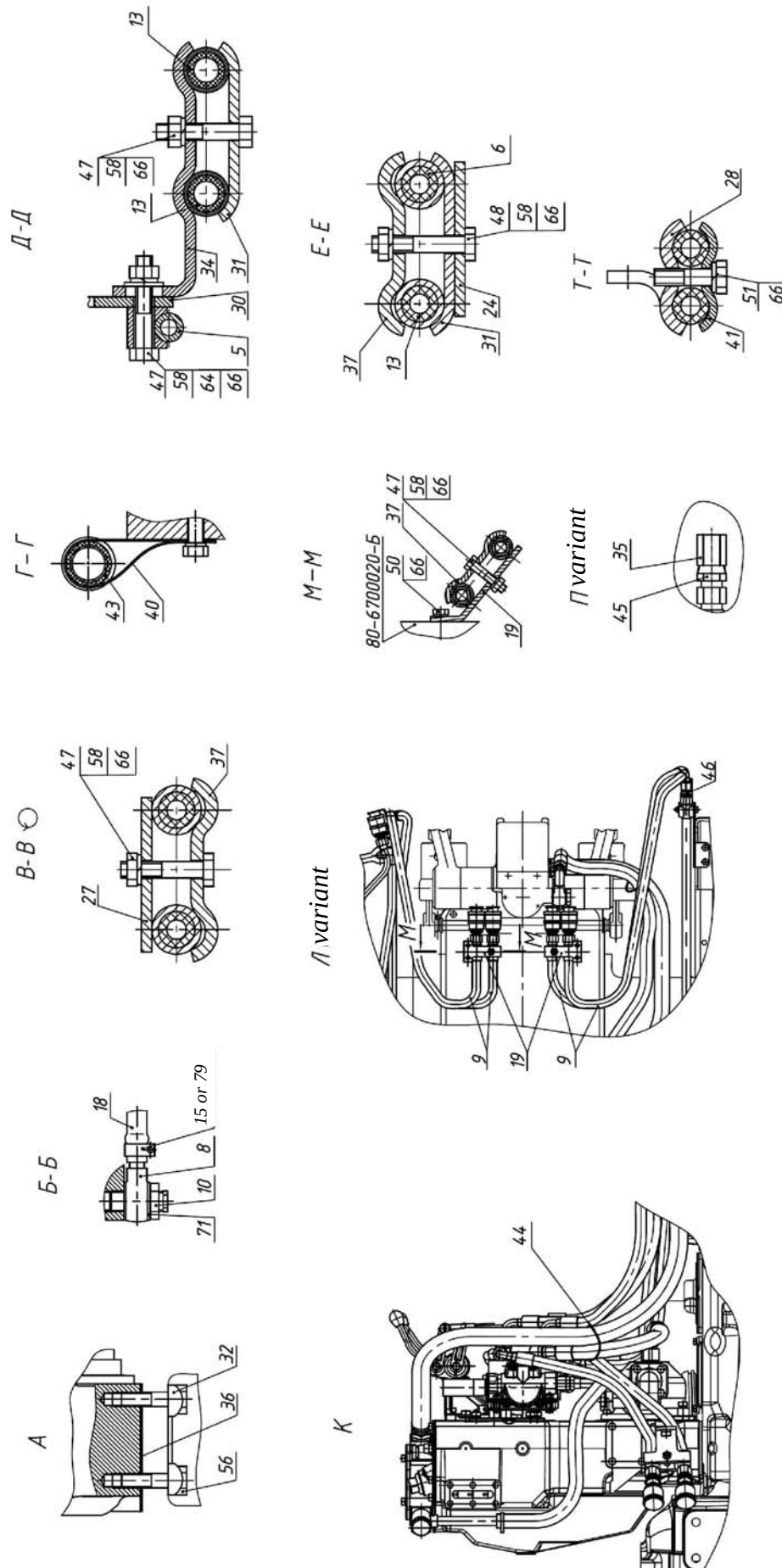


Fig.46.5. Hydraulic system R1221-4600010-02 (continuation)

Group 46. Hydraulic system
Subgroup 4607. Hydraulic units and fittings.

Fig.	Pos.	Designation	Q-ty	Description
46.4, 46.5		R1221-4600010-02		Hydraulic system
	1	R1221-4600015-02	1	Hydraulic system housing
	2	R1221-4607070	1	Fitting
	3	85-4607034	1	Fitting
	5	K1221-4607125	1	Pipe
	6	680-4607140-03	1	High-pressure hose Ø10 x1 reinforced
	7	952-4607140-04	1	High-pressure hose Ø16x2 reinforced
	8	S80-4607380	1	Pipe
	9	680-4607140-06	4	High-pressure hose Ø10x1 reinforced
	10	80-4607455	1	Bolt
	13	P100-4607140	3	High-pressure hose Ø10x1 reinforced
	14	820-4635160	1	Valve
	15	HS-21	2	Clamp (can be substituted for pos.79)
	16	HS-31	2	Clamp (can be substituted for pos.80)
	18	K1221-4607011	1	Hose
	19	85-4607511 ¹⁾	2	Bracket
	20	P80-4607012	1	Hose
	21	P80-4607013	1	Clamp
	22	P80-4607013-01	2	Clamp
	24	M80-4607014	1	Bracket
	27	M80-4607017	2	Bracket
	28	80-4607169	1	Bracket
	30	85-4607431	1	Bracket
	31	70-4607156	2	Strip
	32	70-4607168	2	Plate
	34	H50-4607137	1	Bracket
	35	A50-4607302	5	Blind plug
	36	50-4608049	1	Gasket
	37	40-4607029-A	5	Strip
	40	70-1405112	1	Clamp
	41	70-3407146	2	Strip
	43	70-3506027	1	Bushing
	44	80-3723045-01	2	Collar
	45	H.036.05.002 ¹⁾	5	Screw-in fitting
	46	H.036.02.002	4	Pass fitting
	47	M8-6gx40.88.35.019 GOST 7795-70	6	Bolt
	48	M8-6gx45.88.35.019 GOST 7795-70	1	Bolt
	50	M8-6gx25.88.35.019 GOST 7796-70	4	Bolt
	51	M8-6gx35.88.35.019 GOST 7796-70	2	Bolt
	53	M10-6gx25.88.35.019 GOST 7796-70	4	Bolt
	55	M12-6gx30.88.35.019 GOST 7796-70	1	Bolt
	56	M14x1,5-6gx45.88.35.019 GOST 7796-70	4	Bolt
	58	M8-6H.6.019 GOST 5915-70	7	Nut
	59	M10-6H.6.019 GOST 5915-70	4	Nut
	62	027-032-30-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	64	S 8.01.019 GOST 6958-78	1	Washer
	66	8T OST 37.001.115-75	13	Washer
	67	10 OT OST 37.001.115-75	4	Washer
	68	12 OT OST 37.001.115-75	1	Washer
	69	M036.50B.10 or	5	Left housing
		HP10-3MX0041A0, Germany or Du10 (LYAKSH.05.4.01.00.000), REPUBLIC OF BELARUS or CPV 0816/20F TVZ, Italy		Coupling

¹⁾ Outputs to the center of the tractor

²⁾ Optional

Group 46. Hydraulic system
Subgroup 4607. Hydraulic units and fittings.

Fig.	Pos.	Designation	Q-ty	Description
46.4, 46.5	70	RM24	2	Washer
	71	RM1/2	2	Washer
	79	NORMA TORRO 16-27/971 or "NORMA" TORRO 16-25/9-C6W	2	Clamp with worm thread 16-27 (can be substituted for pos.Pos.15)
	80	NORMA TORRO 25-40/971 "NORMA" TORRO 25-40/9-C6W	2	Clamp with worm thread 25-40 (can be substituted for pos.16)
		M036.50B.20 or Du10 (LYAKSH.05.4.02.00.000), REPUBLIC OF BELARUS or HP10-4MX0041A0, Germany or CNV 0816/2015 MTZ, Italy	6	Right housing Male connector

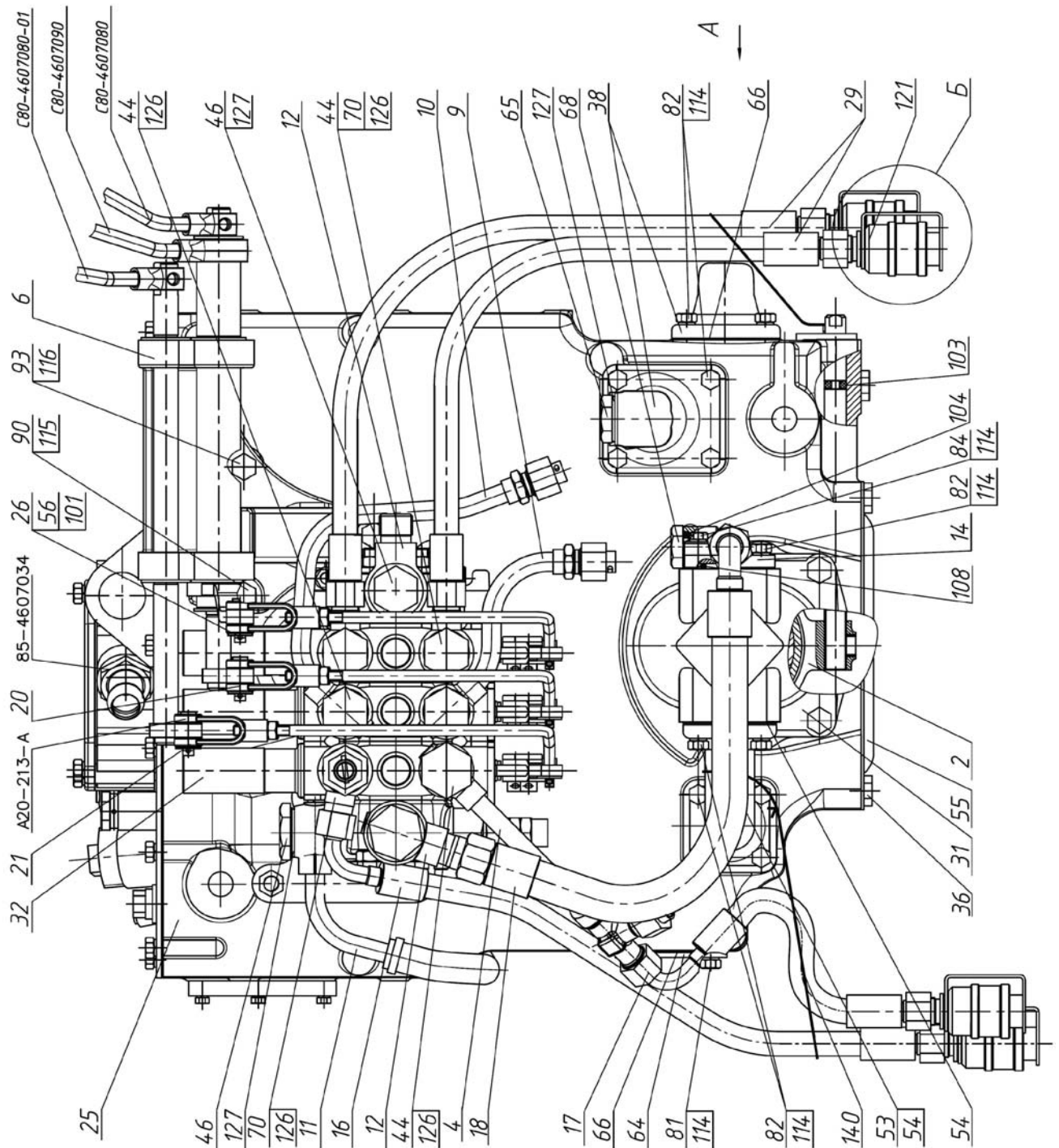


Fig.46.6. Hydraulic system housing R1221-4600015-02

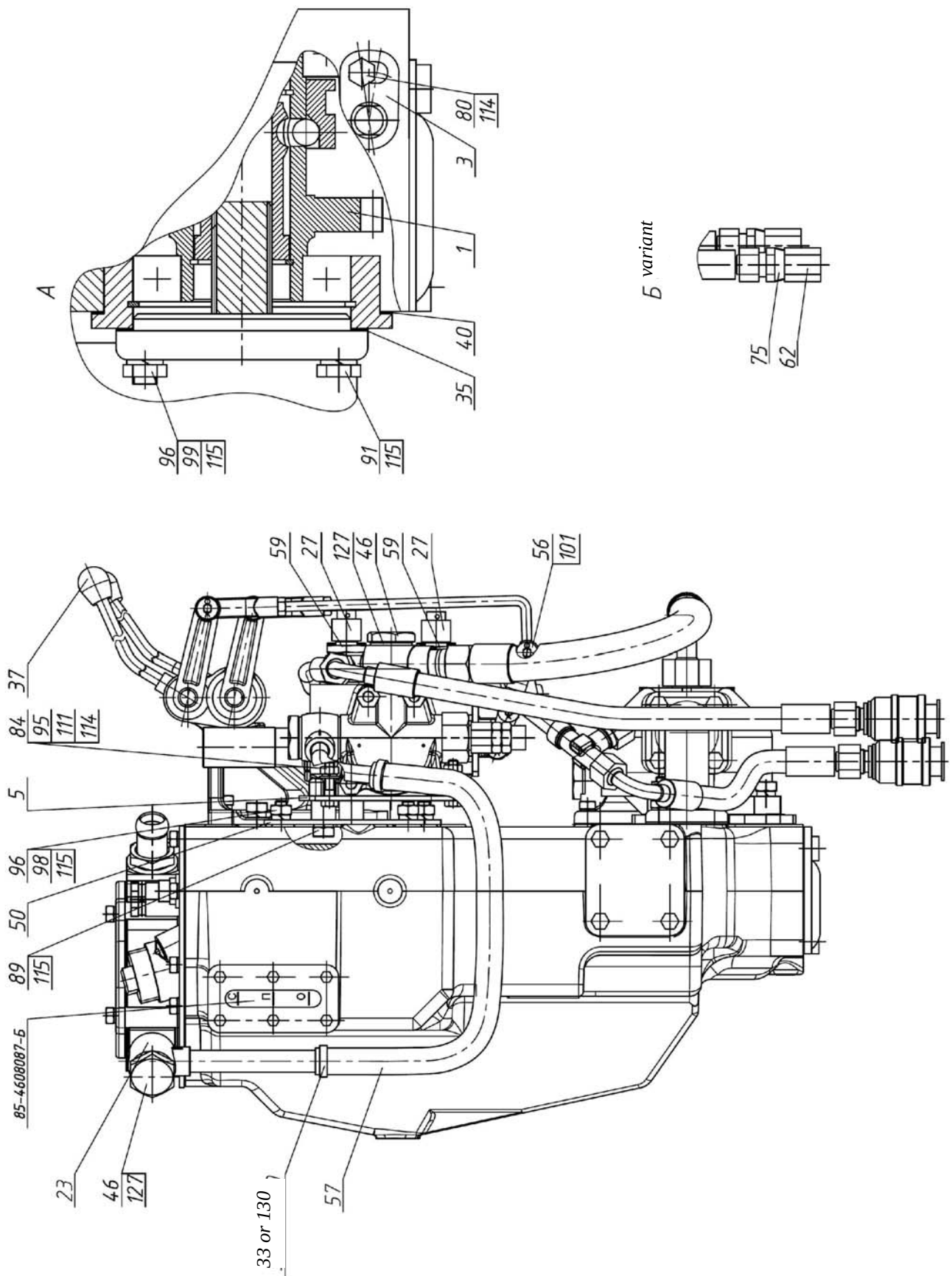


Fig.46.7. Hydraulic system housing R1221-4600015-02 (continuation)

Group 46. Hydraulic system
Subgroup 4607. Hydraulic units and fittings.

Fig.	Pos.	Designation	Q-ty	Description
46.6, 46.7		R1221-4600015-02		Hydraulic system housing
	1	80-4604010	1	Pump drive
	2	85-4604030-B	1	Yoke
	3	85-4604040-B	1	Shaft
	4	R1221-4607130	1	Pipe
	5	R1221-4607030	1	Bracket
	6	80-4607040-04	1	Bracket
	9	85-4607060-B	1	Pipe
	10	85-4607080-B	1	Pipe
	11	822-4607060	1	Pipe
	12	952-4607080	2	Fitting
	14	D80-4607100-A	1	Connecting pipe
	16	680-4607140-04	1	High-pressure hose Ø10x1 reinforced
	17	680-4607140	1	High-pressure hose Ø10 x1 reinforced
	18	952-4607140-09	1	High-pressure hose Ø16x2 reinforced
	20	R1221-4607260	2	Link
	21	R1221-4607260-01	1	Link
	23	S80-4607375	1	Pipe
	25	85-4608010	1	Hydraulic system housing
	26	A61-030-A1	3	Pin
	27	H.036.12.010	1	Blind plug (temporary)
	29	PN.036.83.040	2	High-pressure hose Ø10x1 reinforced
	31	NSH 32UKF-3 or NSH 32D-3 or NSH 32UMZH-3 or NSH 32SM-3 or NSH 32UV-3 or NSH 32M-3 09 "MASTER"		Pump NSH32 "standard"
	32	RP70-1221 or RP70-1221.1	1	Distributor
	33	HS-23	2	Clamp (can be substituted for pos.130)
	35	36-1022054-A	1	Gasket
	36	1221-1802091-01	2	Screw plug (temporary)
	37	70-3401093	3	Lever end
	38	85-3407101	2	Connecting pipe
	40	70-4604037	1	Gasket
	44	40-4607032	5	Securing bolt
	46	40-4607037	4	Bolt
	50	50-4607032-B	1	Bracket
	53	50-4607096-A	1	Connecting pipe
	54	50-4607097	4	Gasket
	55	50-4607099	1	Cover
	56	70-4607144	6	Washer
	57	S80-4607063	1	Hose
	59	952-4607061	1	Fitting
	62	A50-4607302	4	Blind plug
	64	70-4608019	1	Cover
	65	85-4608021-01	2	Plug (temporary)
	66	70-4608033	3	Gasket
	68	70-4607163	1	Plug
	70	530-4614029	3	Angle piece

Group 46. Hydraulic system
Subgroup 4607. Hydraulic units and fittings.

Fig.	Pos.	Designation	Q-ty	Description
46.6, 46.7	75	H.036.05.002	4	Screw-in fitting
	80	M8-6gx16.88.35.019 GOST 7796-70	1	Bolt
	81	M8-6gx20.88.35.019 GOST 7796-70	4	Bolt
	82	M8-6gx25.88.35.019 GOST 7796-70	18	Bolt
	84	M8-6gx35.88.35.019 GOST 7796-70	6	Bolt
	89	M10-6gx20.88.35.019 GOST 7796-70	3	Bolt
	90	M10-6gx30.88.35.019 GOST 7796-70	1	Bolt
	91	M10-6gx40.88.35.019 GOST 7796-70	2	Bolt
	93	M12-6gx35.88.35.019 GOST 7796-70	2	Bolt
	95	M8-6H.6.019 GOST 5915-70	4	Nut
	96	M10-6H.6.019 GOST 5915-70	5	Nut
	98	M10-3R/6gx20.66.019 GOST 22034-76	3	Stud
	99	M10-3R/6gx35.66.019 GOST 22034-76	2	Stud
	101	3,2x18.019 GOST 397-79	6	Split pin
	103	013-017-25-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	104	017-022-30-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	108	035-040-30-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	111	S.8.01.019 GOST 11371-78	4	Washer
	114	8T OST 37.001.115-75	29	Washer
	115	10 OT OST 37.001.115-75	11	Washer
	116	12 OT OST 37.001.115-75	2	Washer
	121	M036.50B.10 or H10-3MX0041A0, Germany or Du10 (LYAKSH.05.4.01.00.000), REPUBLIC OF BELARUS or CPV 0816/20F TVZ, Italy	4	Left housing Coupling
	126	RM1/2	12	Washer
	127	RM24	10	Washer
	130	NORMA TORRO 16-27/971 or "NORMA" TORRO 16-25/9-C6W	2	Clamp with worm thread 16-27 (can be substituted for pos.33)
	140	1,0-O-S GOST 3282-74	500	Wire L=(250x2) mm



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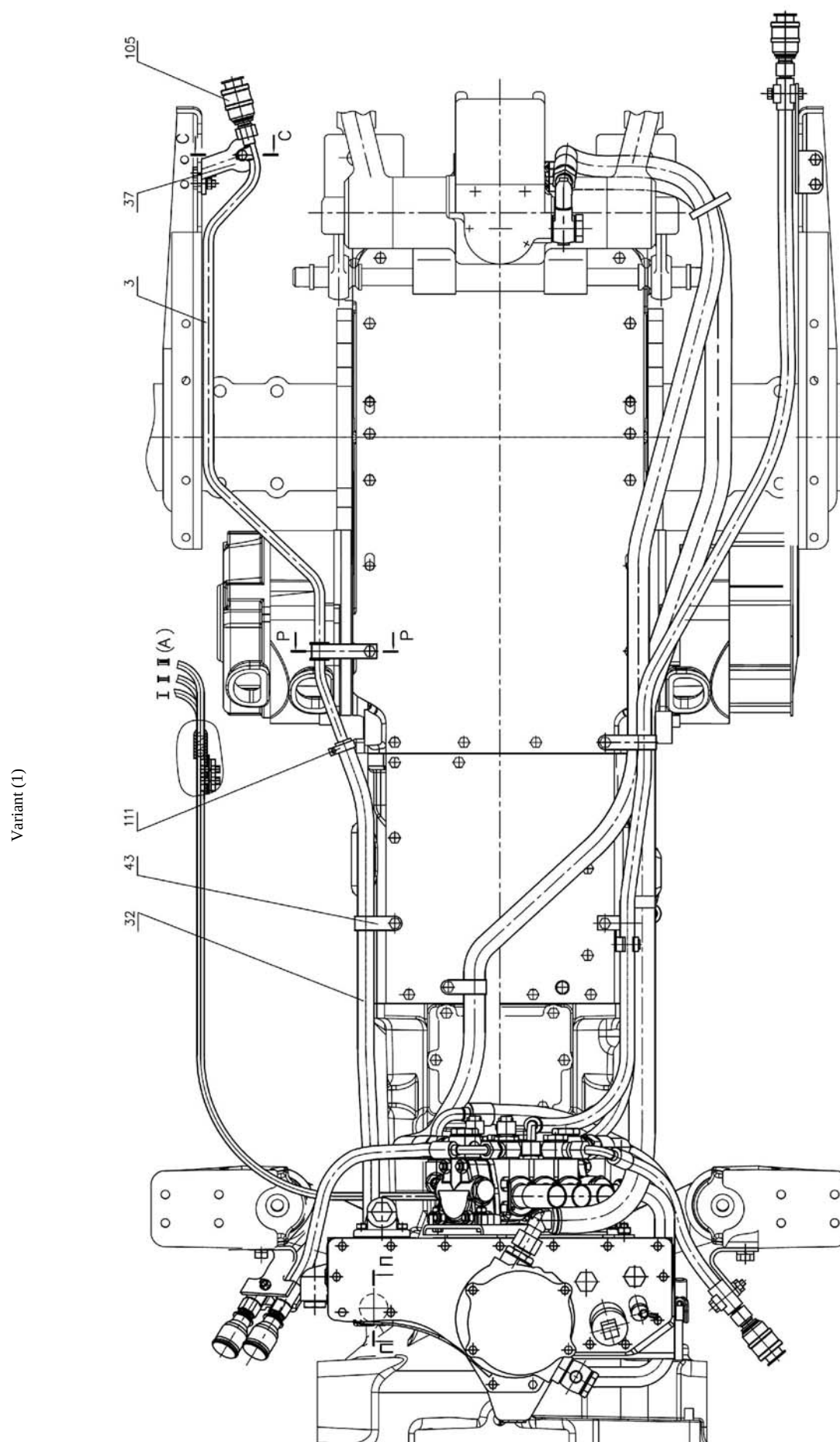


Fig.46.9. Hydraulic system R920-4600010 (continuation)

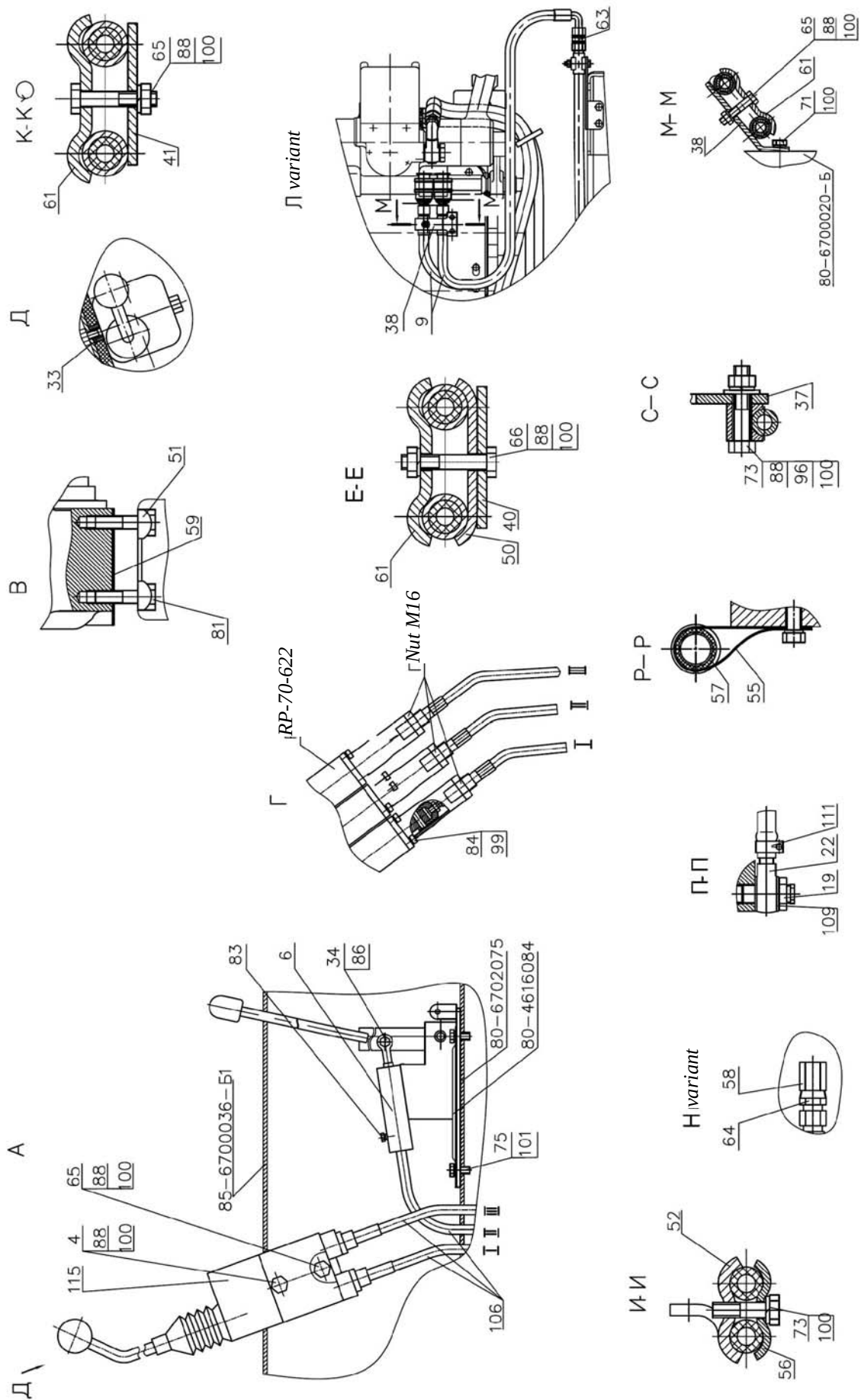


Fig.46.10. Hydraulic system R920-4600010 (continuation)

Group 46. Hydraulic system
Subgroup 4607. Hydraulic units and fittings.

Fig.	Pos.	Designation	Q-ty	Description
46.8, 46.9, 46.10		R920-4600010		Hydraulic system
	1	R920-4600015	1	Hydraulic system housing
	2	R1221-4607070	1	Fitting
	3	K1221-4607125 ¹⁾	1	Pipe
	4	952-4607011-A	1	Bolt
	6	S90-4607100-01	1	Control
	7	820-4635160	1	Valve
	8	680-4607140-03	1	High-pressure hose Ø10 x1 reinforced
	9	680-4607140-06	2	High-pressure hose Ø10x1 reinforced
	11	P100-4607140-01	1	High-pressure hose Ø10x1 reinforced
	14	85-4607034	1	Fitting
	19	80-4607455	1	Bolt
	21	P80-4607120	1	High-pressure hose Ø16x2 reinforced
	22	S80-4607380	1	Pipe
	32	K1221-4607011	1	Hose
	33	923-8400142-01	2	Bushing
	34	S90-4607026	1	Screw
	35	S90-4607107-B	1	Plate
	37	85-4607431	1	Bracket
	38	85-4607511 ²⁾	1	Bracket
	40	M80-4607014	1	Bracket
	41	M80-4607017	2	Bracket
	42	P80-4607012	1	Hose
	43	P80-4607013	2	Clamp
	44	P80-4607013-01	2	Clamp
	48	80-3723045-01	1	Collar
	50	70-4607156	1	Strip
	51	70-4607168	2	Plate
	52	80-4607169	1	Bracket
	55	70-1405112	1	Clamp
	56	70-3407146	1	Strip
	57	70-3506027	1	Bushing
	58	A50-4607302	2	Blind plug
	59	50-4608049	1	Gasket
	61	40-4607029-A	4	Strip
	63	H.036.02.002	2	Pass fitting
	64	H.036.05.002 ¹⁾	2	Screw-in fitting
	65	M8-6gx40.88.35.019 GOST 7795-70	4	Bolt
	66	M8-6gx45.88.35.019 GOST 7795-70	1	Bolt
	71	M8-6gx25.88.35.019 GOST 7796-70	2	Bolt
	73	M8-6gx35.88.35.019 GOST 7796-70	2	Bolt
	75	M10-6gx18.88.35.019 GOST 7796-70	4	Bolt
	76	M10-6gx25.88.35.019 GOST 7796-70	2	Bolt
	79	M12-6gx30.88.35.019 GOST 7796-70	1	Bolt
	81	M14x1,5-6gx45.88.35.019 GOST 7796-70	4	Bolt
	83	M6-6gx14.88.35.019 GOST 7798-70	3	Bolt
	84	M6-6gx16.88.35.019 GOST 7798-70	6	Bolt
	86	M5-6H.6.019 GOST 5915-70	1	Nut
	87	M6-6H.6.019 GOST 5915-70	2	Nut

¹⁾ Optional²⁾ Outputs to the center of the tractor

Group 46. Hydraulic system
Subgroup 4607. Hydraulic units and fittings.

Fig.	Pos.	Designation	Q-ty	Description
46.8, 46.9, 46.10	88	M8-6H.6.019 GOST 5915-70	7	Nut
	89	M10-6H.6.019 GOST 5915-70	2	Nut
	93	027-032-30-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	96	S 8.01.019 GOST 6958-78	1	Washer
	99	6 T OST 37.001.115-75	8	Washer
	100	8T OST 37.001.115-75	10	Washer
	101	10 OT OST 37.001.115-75	6	Washer
	102	12 OT OST 37.001.115-75	1	Washer
	105	M036.50B.10 or	3	Left housing
		HP10-3MX0041A0, Germany or Du10 (LYAKSH.05.4.01.00.000), REPUBLIC OF BELARUS or Coupling CPV 0816/20F TVZ, Italy		Coupling
	106	132-001-01	3	Cable wire
	109	RM1/2	2	Washer
	110	RM24	2	Washer
	111	NORMA TORRO 16-27/971 or "NORMA" TORRO 16-25/9-C6W	2	Clamp with worm thread 16-27
	112	NORMA TORRO 25-40/971 or "NORMA" TORRO 25-40/9-C6W	2	Clamp with worm thread 25-40
	115	RU-1 TAIS.303654.001-01	1	Joystick
		M036.50B.20 or	6	Right housing
		Du10 (LYAKSH.05.4.02.00.000), REPUBLIC OF BELARUS or HP10-4MX0041A0, Germany or CNV 0816/2015 MTZ, Italy		Male connector

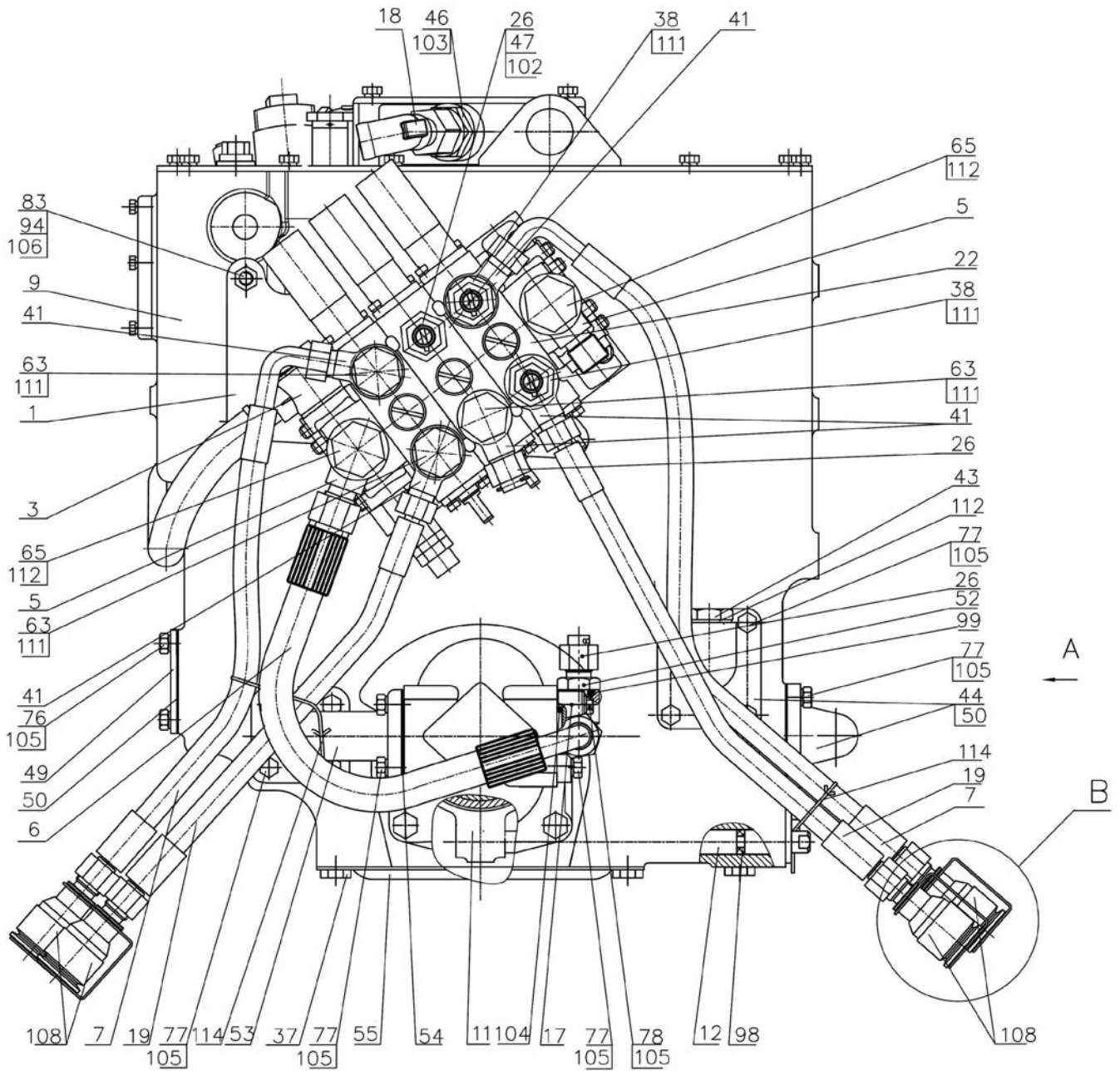


Fig.46.11. Hydraulic system housing R920-4600015

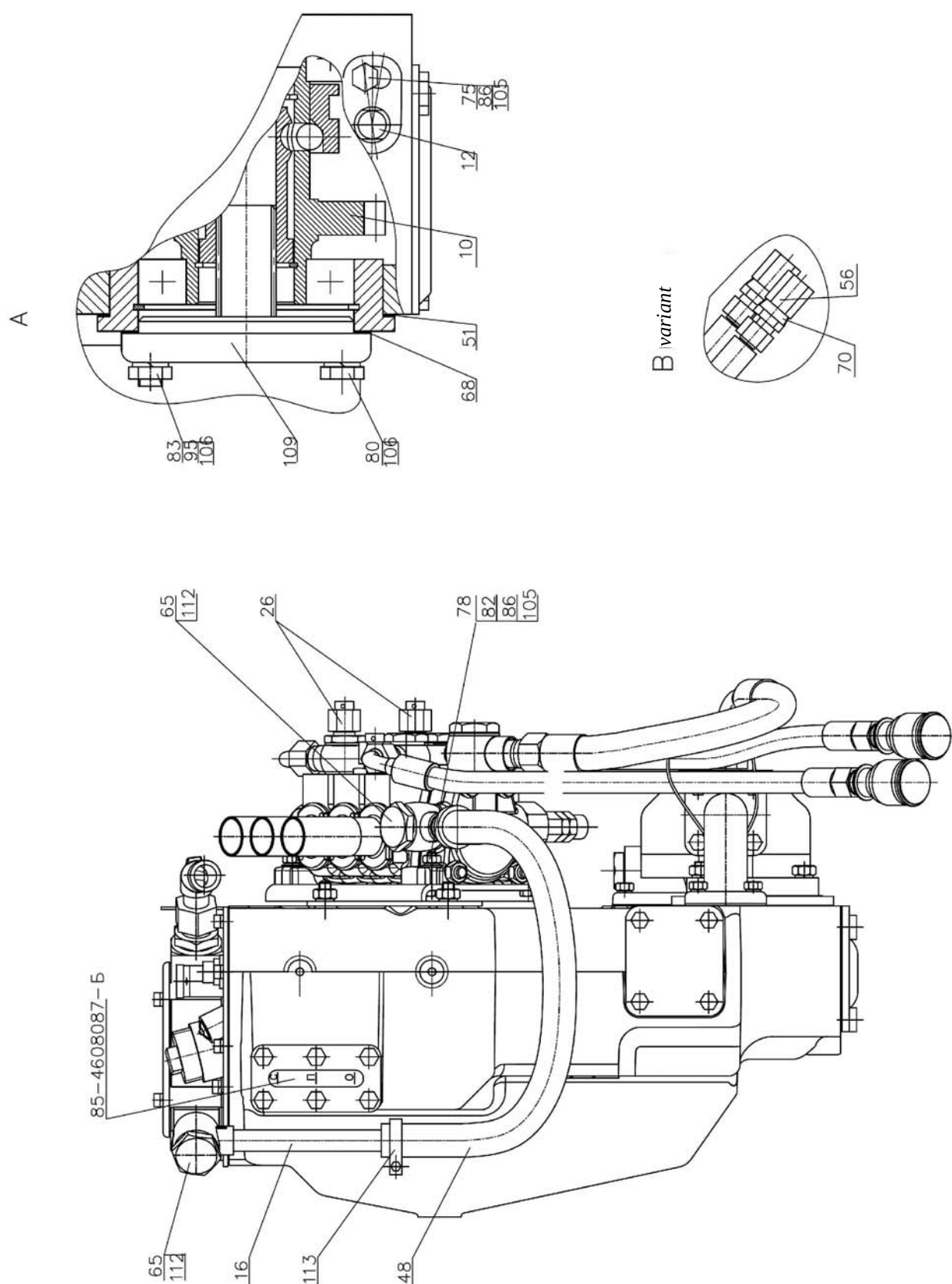


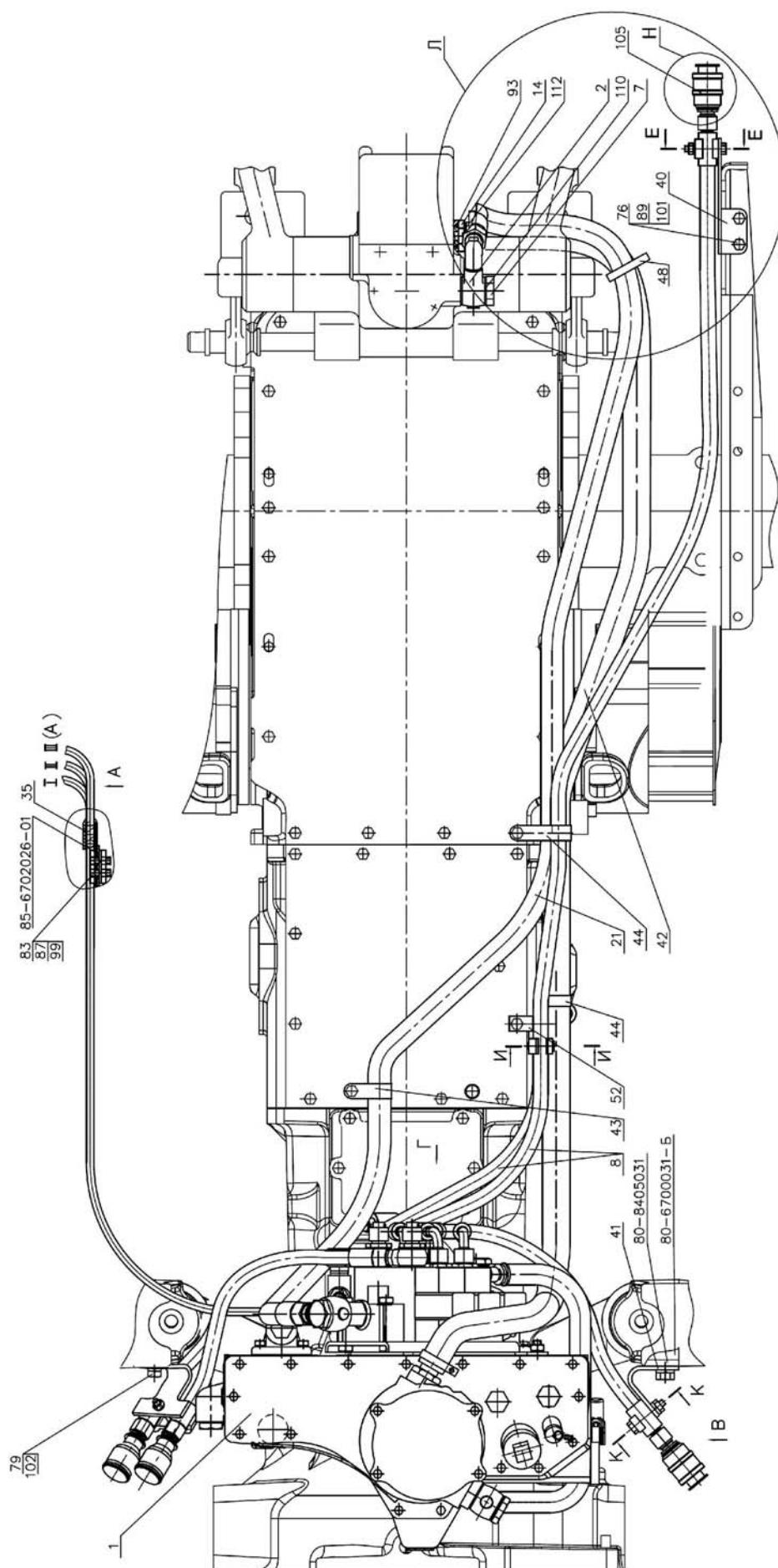
Fig.46.12. Hydraulic system housing R920-4600015 (continuation)

Group 46. Hydraulic system
Subgroup 4607. Hydraulic units and fittings.

Fig.	Pos.	Designation	Q-ty	Description
46.11, 46.12		R920-4600015		Hydraulic system housing
	1	R952-4607020	1	Bracket
	3	2022-4607020	1	Pipe
	5	952-4607080	2	Fitting
	6	952-4607140	1	High-pressure hose Ø16x2 reinforced
	7	680-4607140-04	2	High-pressure hose Ø10x1 reinforced
	9	85-4608010	1	Hydraulic system housing
	10	80-4604010	1	Pump drive
	11	85-4604030-B	1	Yoke
	12	85-4604040-B	1	Shaft
	16	80V-4607375	1	Pipe
	17	D80-4607100-A	1	Connecting pipe
	18	S80-4607520	1	Connecting pipe
	19	PN.036.83.040	2	High-pressure hose Ø10x1 reinforced
	22	RP70-622 or RP70-622.1	1	Distributor
	26	H.036.12.010	5	Blind plug
	37	1221-1802091-01	2	Screw plug
	38	952-4607061	2	Fitting
	41	530-4614029	5	Angle piece
	43	85-4608021-01	2	Plug
	44	85-3407101	2	Connecting pipe
	46	S80-4607034	1	Fitting
	47	S80-4607204	1	Fitting
	48	M80-4607011	1	Hose
	49	70-4608019	1	Cover
	50	70-4608033	3	Gasket
	51	70-4604037	1	Gasket
	52	70-1405089	1	Screw-in fitting
	53	50-4607096-A	1	Connecting pipe
	54	50-4607097	4	Gasket
	55	50-4607099	1	Cover
	56	A50-4607302	4	Blind plug
	63	40-4607032	3	Securing bolt
	65	40-4607037	4	Bolt
	68	36-1022054-A	1	Gasket
	70	H.036.05.002 ¹⁾	4	Screw-in fitting
	75	M8-6gx16.88.35.019 GOST 7796-70	1	Bolt
	76	M8-6gx20.88.35.019 GOST 7796-70	4	Bolt
	77	M8-6gx25.88.35.019 GOST 7796-70	18	Bolt
	78	M8-6gx35.88.35.019 GOST 7796-70	6	Bolt
	80	M10-6gx40.88.35.019 GOST 7796-70	2	Bolt
	82	M8-6H.6.019 GOST 5915-70	4	Nut
	83	M10-6H.6.019 GOST 5915-70	5	Nut
	86	S.8.01.019 GOST 11371-78	5	Washer
	94	M10-3p/6gx20.66.019 GOST 22034-76	3	Stud
	95	M10-3p/6gx35.66.019 GOST 22034-76	2	Stud
	98	013-017-25-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	99	017-022-30-1-4 GOST 18829-73/GOST 9833-73	1	Ring

Group 46. Hydraulic system
Subgroup 4607. Hydraulic units and fittings.

Fig.	Pos.	Designation	Q-ty	Description
46.11, 46.12	102	024-028-25-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	103	027-032-30-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	104	035-040-30-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	105	8T OST 37.001.115-75	29	Washer
	106	10 OT OST 37.001.115-75	7	Washer
	108	M036.50B.10 or	4	Left housing
		HP10-3MX0041A0, Germany or Du10 (LYAKSH.05.4.01.00.000), REPUBLIC OF BELARUS or CPV 0816/20F TVZ, Italy		Coupling
	109	NSH 32UKF-3 or NSH 32D-3 or NSH 32UMZH-3 or NSH 32SM-3 or NSH 32UV-3 or NSH 32M-3 09 "MASTER" or	1	Pump NSH32 "standard"
	111	RM1/2	10	Washer
	112	RM24	10	Washer
	113	"NORMA" TORRO 20-32/9-C6W or NORMA TORRO 20-32/971	2	Clamp with worm thread 20-32
	114	1,0-O-S GOST 3282-74	300	Wire L= (150x2)mm
¹⁾ Optional				



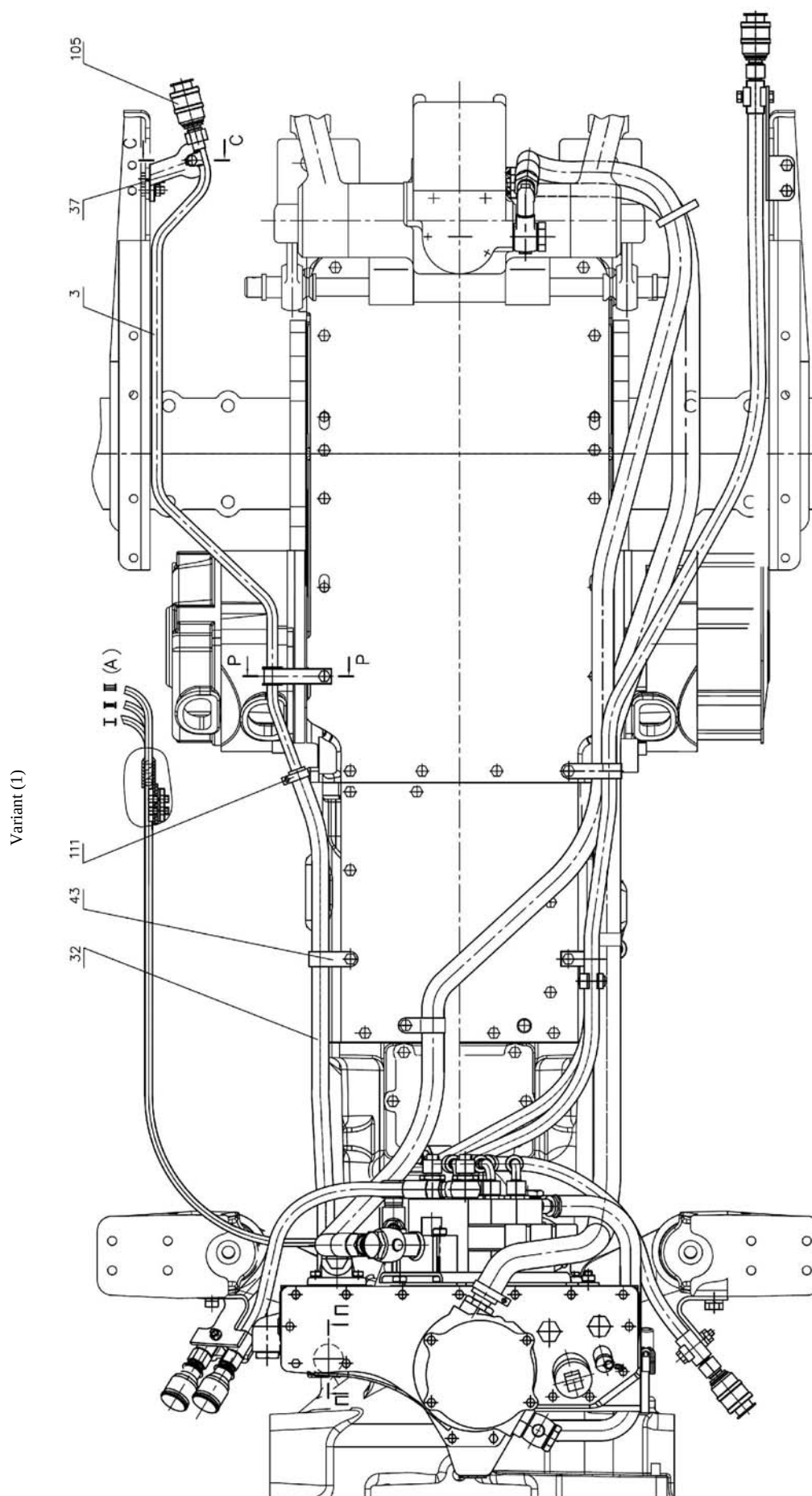


Fig.46.14. Hydraulic systems 920-4600010 (continuation)

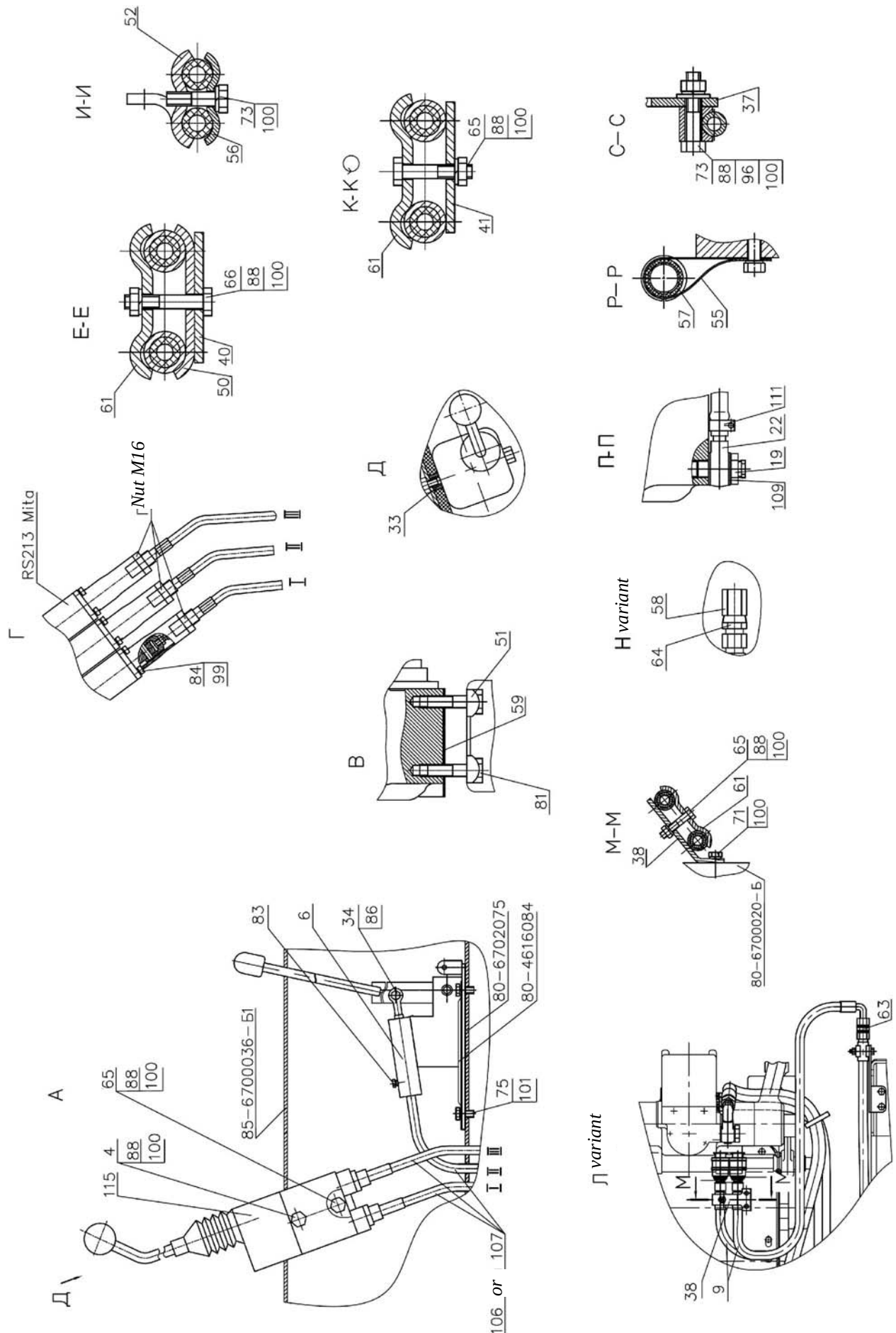


Fig.46.15. Hydraulic systems 920-4600010 (continuation)

Group 46. Hydraulic system
Subgroup 4607. Hydraulic units and fittings.

Fig.	Pos.	Designation	Q-ty	Description
46.13, 46.14, 46.15		920-4600010		Hydraulic system
	1	952-4600015-07	1	Hydraulic system housing
	2	R1221-4607070	1	Fitting
	3	K1221-4607125 ¹⁾	1	Pipe
	4	952-4607011-A	1	Bolt
	6	S90-4607100-01	1	Control
	7	820-4635160	1	Valve
	8	680-4607140-03	2	High-pressure hose Ø10x1 reinforced
	9	680-4607140-06	2	High-pressure hose Ø10x1 reinforced
	14	85-4607034	1	Fitting
	19	80-4607455	1	Bolt
	21	P80-4607120	1	High-pressure hose Ø16x2 reinforced
	22	S80-4607380	1	Pipe
	32	K1221-4607011	1	Hose
	33	923-8400142-01	2	Bushing
	34	S90-4607026	1	Screw
	35	S90-4607107-B	1	Plate
	37	85-4607431	1	Bracket
	38	85-4607511 ²⁾	1	Bracket
	40	M80-4607014	1	Bracket
	41	M80-4607017	2	Bracket
	42	P80-4607012	1	Hose
	43	P80-4607013	2	Clamp
	44	P80-4607013-01	2	Clamp
	48	80-3723045-01	1	Collar
	50	70-4607156	1	Strip
	51	70-4607168	2	Plate
	52	80-4607169	1	Bracket
	55	70-1405112	1	Clamp
	56	70-3407146	1	Strip
	57	70-3506027	1	Bushing
	58	A50-4607302	2	Blind plug
	59	50-4608049	1	Gasket
	61	40-4607029-A	4	Strip
	63	H.036.02.002	2	Pass fitting
	64	H.036.05.002 ²⁾	2	Screw-in fitting
	65	M8-6gx40.88.35.019 GOST 7795-70	4	Bolt
	66	M8-6gx45.88.35.019 GOST 7795-70	1	Bolt
	71	M8-6gx25.88.35.019 GOST 7796-70	2	Bolt
	73	M8-6gx35.88.35.019 GOST 7796-70	2	Bolt
	75	M10-6gx18.88.35.019 GOST 7796-70	4	Bolt
	76	M10-6gx25.88.35.019 GOST 7796-70	2	Bolt
	79	M12-6gx30.88.35.019 GOST 7796-70	1	Bolt
	81	M14x1,5-6gx45.88.35.019 GOST 7796-70	4	Bolt
	83	M6-6gx14.88.35.019 GOST 7798-70	3	Bolt
	84	M6-6gx16.88.35.019 GOST 7798-70	6	Bolt
	86	M5-6H.6.019 GOST 5915-70	1	Nut
	87	M6-6H.6.019 GOST 5915-70	2	Nut

¹⁾ Optional

²⁾ Outputs to the center of the tractor

Group 46. Hydraulic system
Subgroup 4607. Hydraulic units and fittings.

Fig.	Pos.	Designation	Q-ty	Description
46.13, 46.14, 46.15	88	M8-6H.6.019 GOST 5915-70	7	Nut
	89	M10-6H.6.019 GOST 5915-70	2	Nut
	93	027-032-30-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	96	S 8.01.019 GOST 6958-78	1	Washer
	99	6 T OST 37.001.115-75	8	Washer
	100	8T OST 37.001.115-75	10	Washer
	101	10 OT OST 37.001.115-75	6	Washer
	102	12 OT OST 37.001.115-75	1	Washer
	105	M036.50B.10 or	3	Left housing
		HP10-3MX0041A0, Germany or Du10 (LYAKSH.05.4.01.00.000), REPUBLIC OF BELARUS or CPV 0816/20F TVZ, Italy		Coupling
	106	132-001	3	Cable wire (can be substituted for pos.107)
	107	100.M4(35)G2.01534	3	Cable wire (can be substituted for pos.106)
	109	RM1/2	2	Washer
	110	RM24	2	Washer
	111	NORMA TORRO 16-27/971 or "NORMA" TORRO 16-25/9-C6W	2	Clamp with worm thread 16-27
	112	"NORMA" TORRO 25-40/9-C6W or NORMA TORRO 25-40/971	2	Clamp with worm thread 25-40
	115	RU-1 TAIS.303654.001-02	1	Joystick
		M036.50B.20 or	6	Right housing
		Du10 (LYAKSH.05.4.02.00.000), REPUBLIC OF BELARUS or HP10-4MX0041A0, Germany or CNV 0816/2015 MTZ, Italy		Coupling

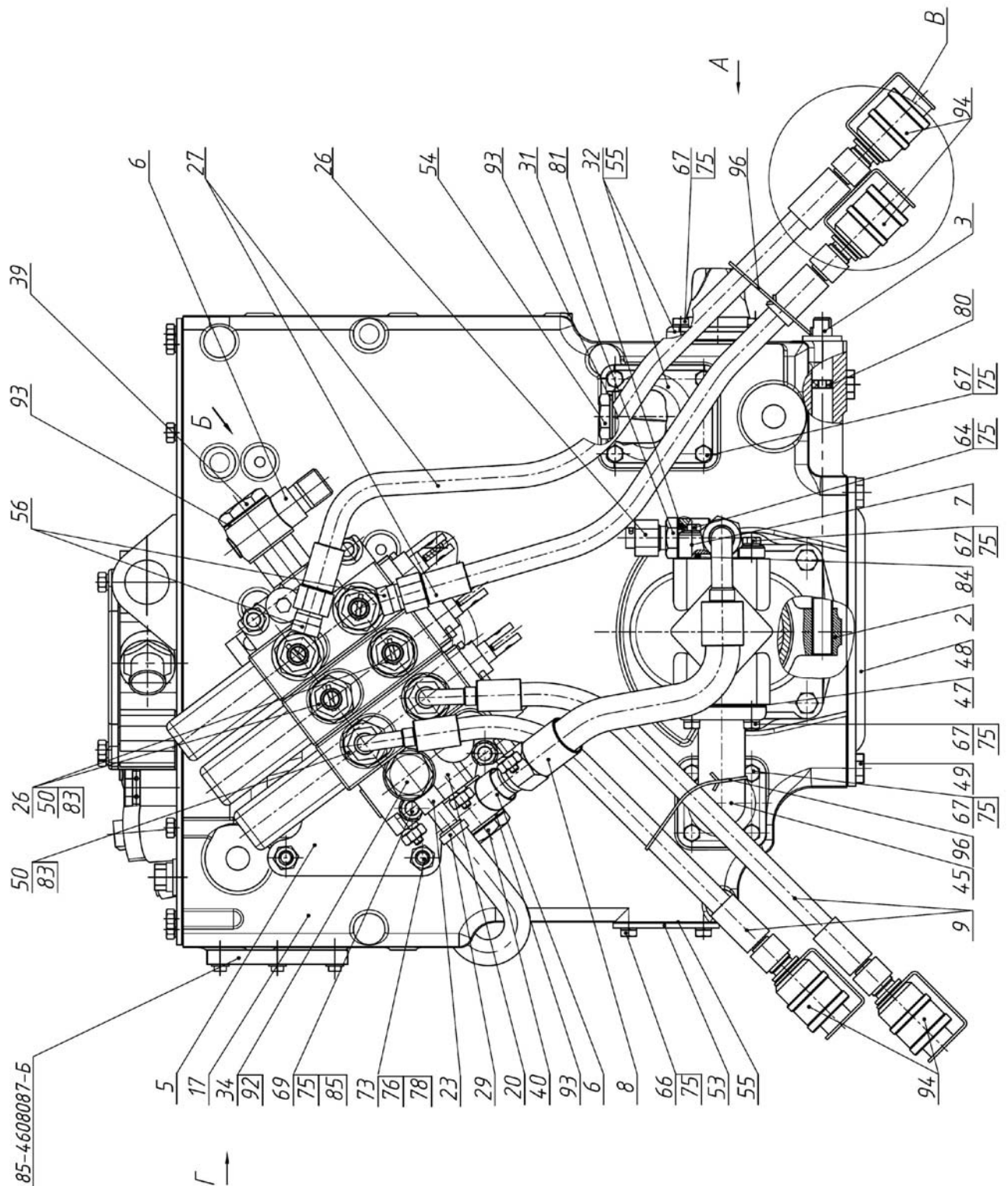


Fig.46.16. Hydraulic system housing 952-4600015-07

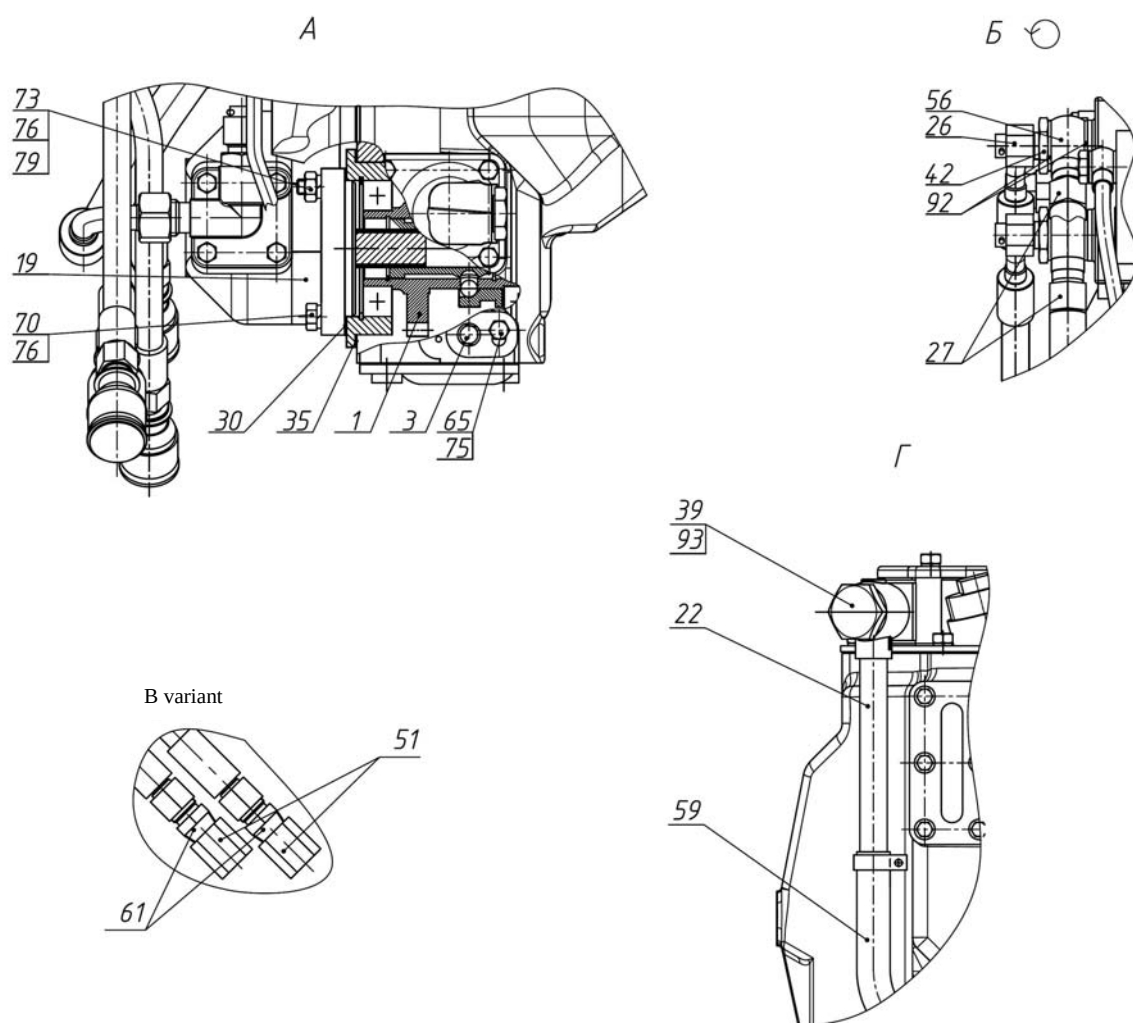


Fig.46.17. Hydraulic system housing 952-4600015-07 (continuation)

Group 46. Hydraulic system
Subgroup 4607. Hydraulic units and fittings.

Fig.	Pos.	Designation	Q-ty	Description
46.16, 46.17		952-4600015-07		Hydraulic system housing
	1	80-4604010	1	Pump drive
	2	85-4604030-B	1	Yoke
	3	85-4604040-B	1	Shaft
	5	920-4607020	1	Bracket
	6	952-4607080	2	Fitting
	7	D80-4607100-A	1	Connecting pipe
	8	952-4607140-01	1	High-pressure hose Ø16x2 reinforced
	9	680-4607140-04	2	High-pressure hose Ø10x1 reinforced
	17	85-4608010	1	Hydraulic system housing
	19	NSH 32UKF-3 or NSH 32D-3 or NSH 32UMZH-3 or NSH 32SM-3 or NSH 32UV-3 or NSH 32M-3 09 "MAS- TER"	1	Pump NSH32 "standard"
	20	RS-213 Mita	1	Distributor
	22	S80-4607375	1	Pipe
	23	S80-4607380	1	Pipe
	26	H.036.12.010	5	Blind plug
	27	PN.036.83.040	2	High-pressure hose Ø10x1 reinforced
	29	HS-31	2	Clamp
	30	36-1022054-A	1	Gasket
	31	70-1405089	1	Screw-in fitting
	32	85-3407101	2	Connecting pipe
	34	40-4607032	1	Securing bolt
	35	70-4604037	1	Gasket
	39	40-4607037	2	Bolt
	40	40-4607037-02	1	Bolt
	42	952-4607061	2	Fitting
	45	50-4607096-A	1	Connecting pipe
	47	50-4607097	4	Gasket
	48	50-4607099	1	Cover
	49	1221-1802091-01	2	Screw plug (temporary)
	50	S80-4607204	4	Fitting
	51	A50-4607302	4	Blind plug
	53	70-4608019	1	Cover
	54	85-4608021-01	2	Plug (temporary)
	55	70-4608033	3	Gasket
	56	530-4614029	2	Angle piece
	59	S80-4607063	1	Hose
	61	H.036.05.002 ¹⁾	4	Screw-in fitting
	64	M8-6gx35.88.35.019 GOST 7796-70	2	Bolt
	65	M8-6gx16.88.35.019 GOST 7796-70	1	Bolt
	66	M8-6gx20.88.35.019 GOST 7796-70	4	Bolt
	67	M8-6gx25.88.35.019 GOST 7796-70	18	Bolt
	69	M8-6gx65.88.35.019 GOST 7796-70	4	Bolt
	70	M10-6gx40.88.35.019 GOST 7796-70	2	Bolt
	73	M10-6H.6.019 GOST 5915-70	5	Nut
	75	8T OST 37.001.115-75	29	Washer
	76	10 OT OST 37.001.115-75	7	Washer
	78	M10-3p/6gx20.66.019 GOST 22034-76	3	Stud
	79	M10-3p/6gx35.66.019 GOST 22034-76	2	Stud

Group 46. Hydraulic system
Subgroup 4607. Hydraulic units and fittings.

Fig.	Pos.	Designation	Q-ty	Description
46.16, 46.17	80	013-017-25-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	81	017-022-30-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	83	024-028-25-1-4 GOST 18829-73/GOST 9833-73	4	Ring
	84	035-040-30-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	85	S.8.01.019 GOST 11371-78	4	Washer
	29	"NORMA" TORRO 25-40/9-C6W	2	Clamp
	92	RM1/2	6	Washer
	93	RM24	6	Washer
	94	M036.50B.10 or	4	Left housing
		HP10-3MX0041A0, Germany or Du10 (LYAKSH.05.4.01.00.000), REPUBLIC OF BELARUS or CPV 0816/20F TVZ, Italy		Coupling
	96	1,0-O-S GOST 3282-74	300	Wire L=(150x2) mm
¹⁾ Optional				

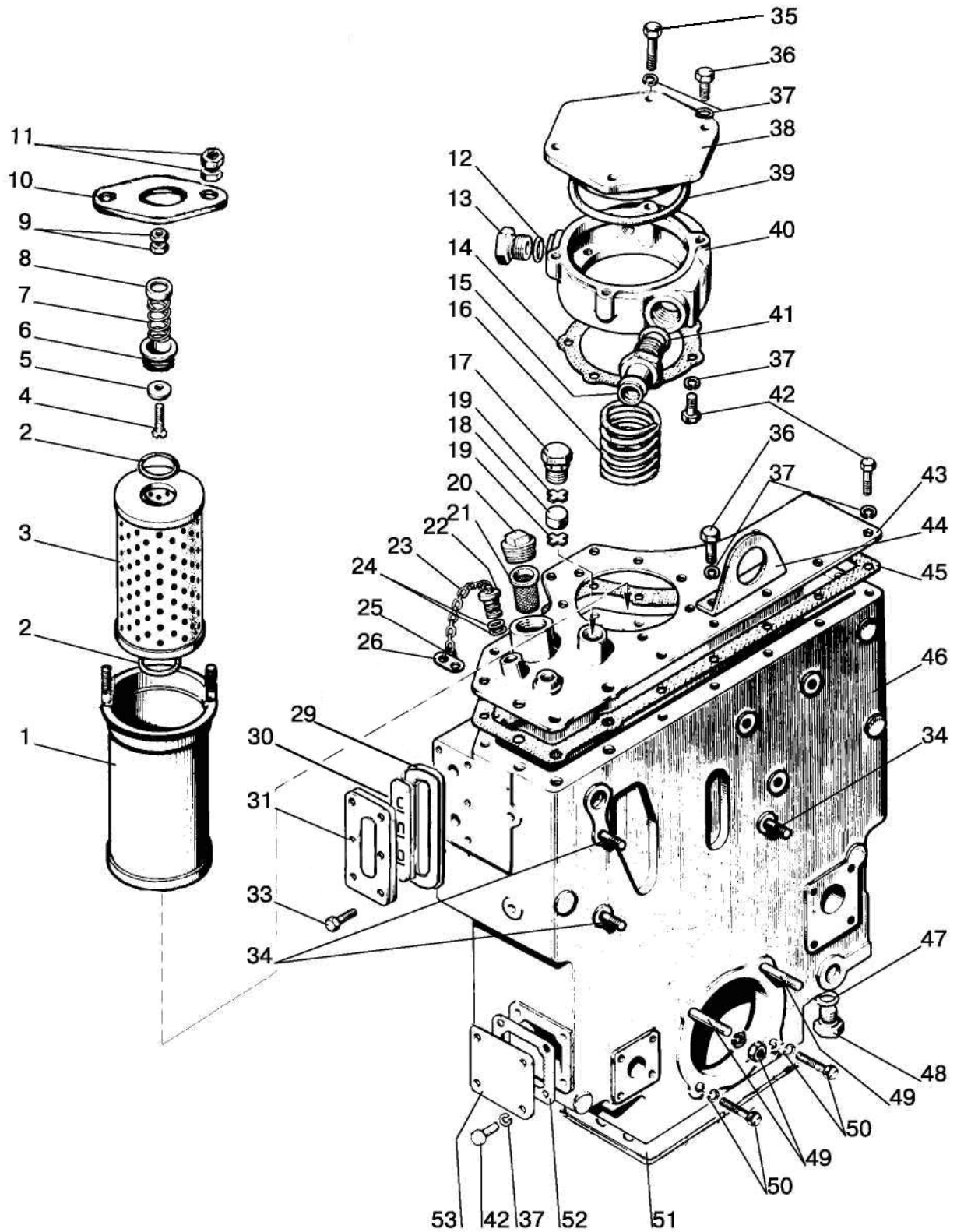


Fig.46.18. Hydraulic system housing and filter

Group 46. Hydraulic system
Subgroup 4607. Hydraulic system housing and filter

Fig.	Pos.	Designation	Q-ty	Description
46.18		85-4608010	1	Hydraulic system housing (1-49, 53, 54)
		85-4608090	1	Valve (22-26)
		A28.04.10.000	1	Valve (4-9)
	1	A28.04.20.000-A1	1	Housing
	2	042-050-46-2-4 GOST 18829-73/9833-73	2	Ring
	3	FEG3-25* or EFOM635-1-06	1	Filtering element
	4	V.M6-6gx40.58.019 GOST 17475-80	1	Screw
	5	8.20.004	1	Valve
	6	A28.04.10.001	1	Valve housing
	7	8.20.002	1	Spring
	8	8.20.005	1	Washer
	9	M6-6H.6.019 GOST 5915-70	2	Nut
	10	A28.04.00.001	1	Limiter
	11	M6-6H.6.019 GOST 5915-70	4	Nut
	12	RM 24	1	Washer
	13	85-4608021	1	Plug
	14	85-4608089	1	Gasket
	15	85-4607034	1	Fitting
	16	85-4608057	1	Spring
	17	50-4608059	1	Breather cap
	18	50-4608063	1	Filter
	19	50-4608062	2	Breather washer
	20	KG 11/4"	1	Plug
	21	A61-C06-A3	1	Filter
	22	85-4608091	1	Valve
	23	50-1002450	1	Chain
	24	011-015-25-2-4 GOST 18829-73/9833-73	2	Ring
	25	36-1101067	2	Ring
	26	50-3407069	1	Cotter key
	29	85-4608086-B	1	Sealant
	30	85-4608087-B	1	Pointer
	31	85-4608088-B	1	Housing
	33	M6x20 DIN EN 1665-98	6	Bolt
	34	M10 3p/6gx20.66.019 GOST 22034-76	3	Stud
	35	M8-6gx80.88.35.019 GOST 7795-70	1	Bolt
	36	M8-6gx25.88.35.019 GOST 7796-70	5	Bolt
	37	8T OST 37.001.115-75	30	Washer
	38	85-4608022	1	Cover
	39	130-135-30-1-4 GOST 18829-73/9833-73	1	Ring
	40	85-4608018	1	Body
	41	027-032-30-1-4 GOST 18829-73/9833-73	1	Ring
	42	M8-6gx20.88.35.019 GOST 7796-70	23	Bolt
	43	85-4608025	1	Cover
	44	80-4608073	1	Bracket
	45	85-4608031-B	1	Gasket
	46	85-4608016-A	1	Hydraulic system housing
	47	RM 1/2	1	Washer
	48	70-4607163	1	Plug
	49	M10 3p/6gx35.66.019 GOST 22034-76	2	Stud
		M10-6H.6.019 GOST 5915-70	2	Nut
	50	M10-6gx40.88.35.019 GOST 7796-70	2	Bolt
		10 OT OST 37.001.115-75	4	Washer
	51	50-4608049	1	Gasket
	52	70-4608033	1	Gasket
	53	70-4608019	1	Cover

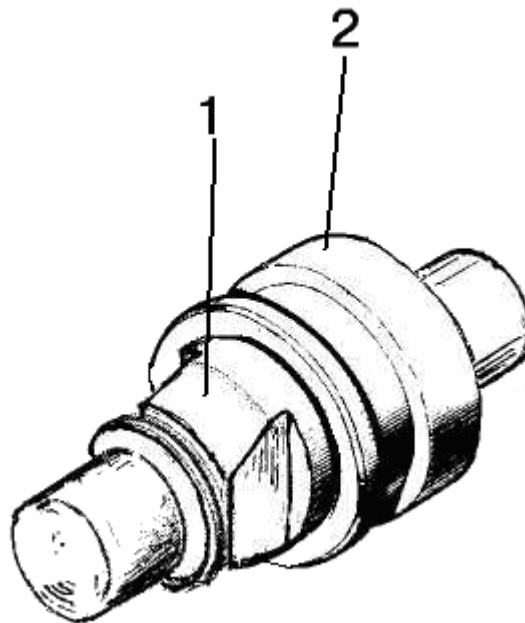


Fig.46.19 Quick coupling

Subgroup M036.50B. Quick coupling

Fig.	Pos.	Designation	Q-ty	Description
46.19	1	M036.50B.20 or	1	Right housing
		Du10 (LYAKSH.05.4.02.00.000), REPUBLIC OF BELARUS or HP10- 4MX0041A0, Germany or CNV 0816/2015 MTZ, Italy		Male connector
	2	M036.50B.10 or	1	Left housing
		HP10-3MX0041A0, Germany or Du10 (LYAKSH.05.4.01.00.000), REPUBLIC OF BELARUS or CPV 0816/20F TVZ, Italy		Coupling

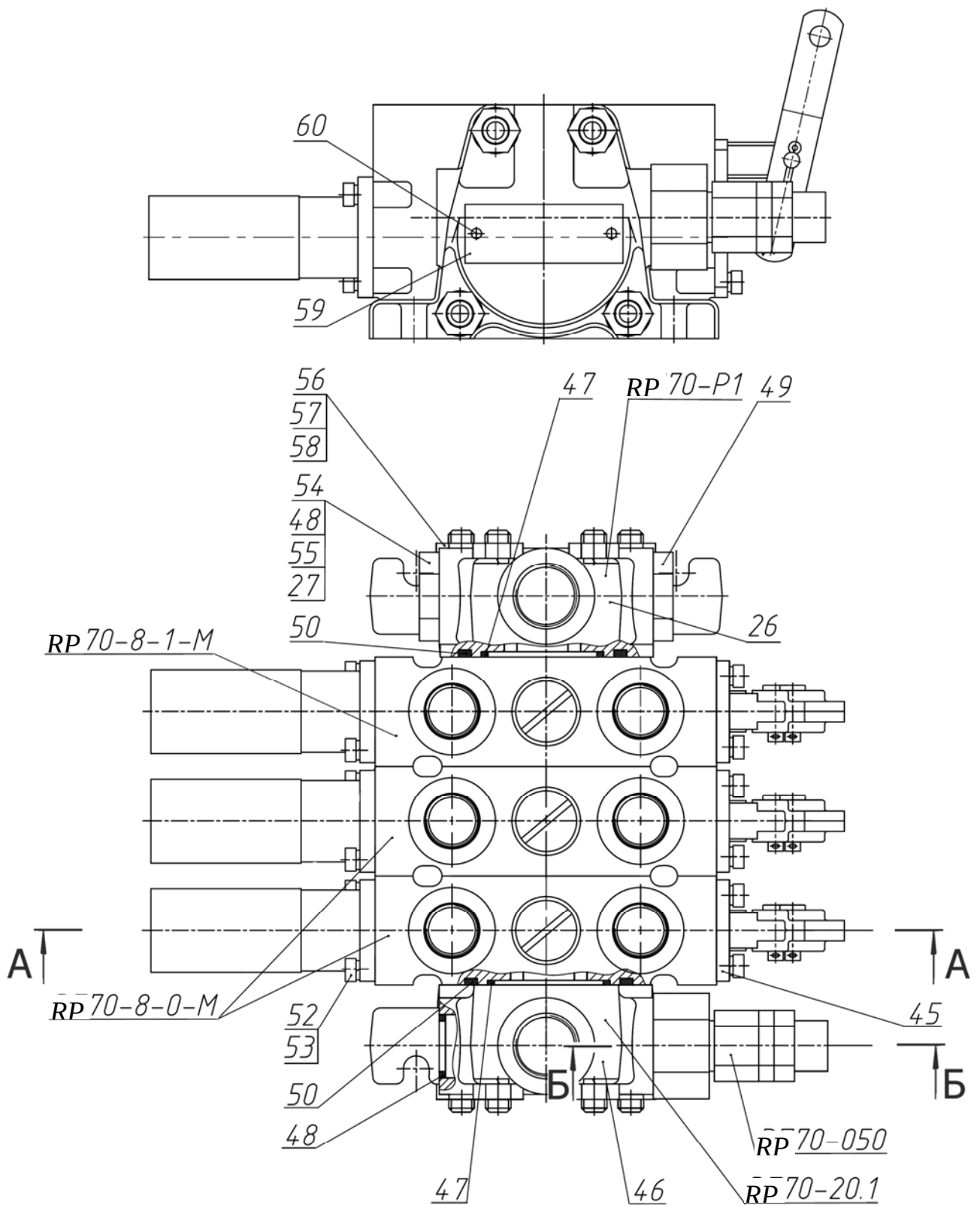


Fig.46.20. Hydraulic distributor RP70-1221.1

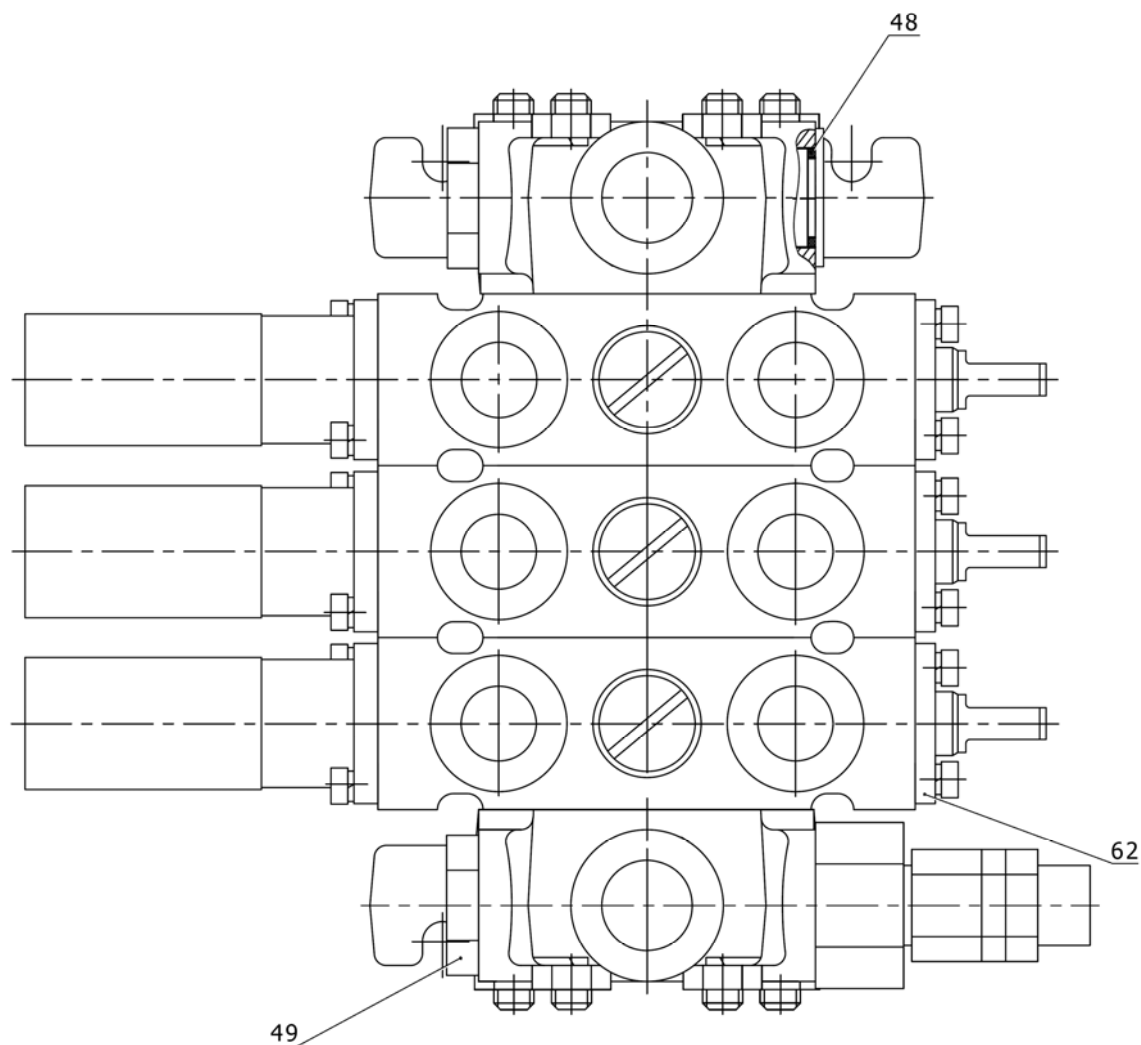


Fig.46.21. Hydraulic distributor RP70-622.1 (for the rest see fig. 46.20)

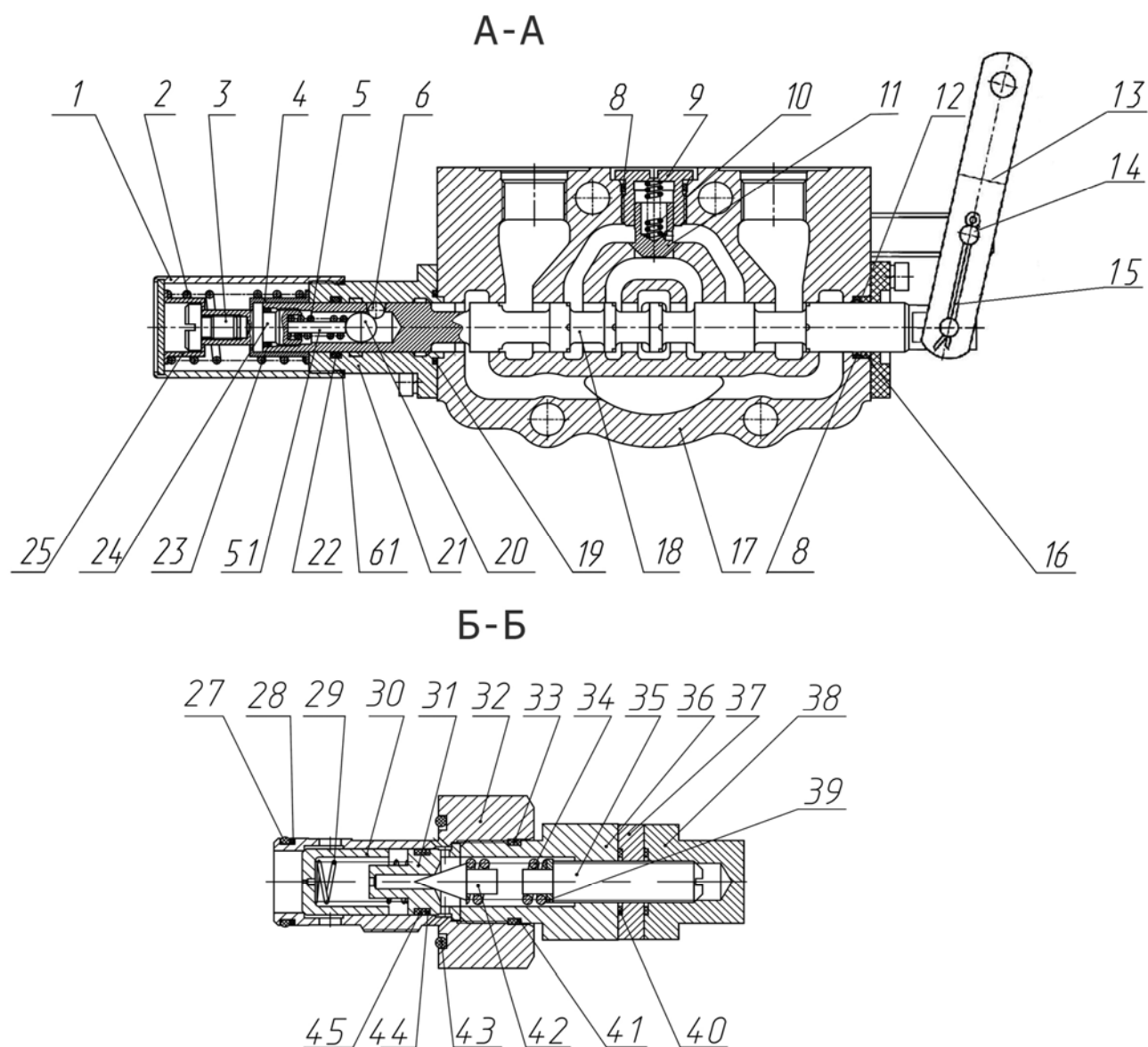


Fig.46.22. Hydraulic distributor RP70 (continuation)

Group 46. Remote-cylinder hydraulic system
Subgroup RP70. Hydraulic distributor RP70

Fig.	Pos.	Designation	Q-ty	Description
46.20, 46.21, 46.22		RP70-888-001-MMM-20R1 ¹⁾ RP70-888-001-MMM-20R2 ²⁾	1	Hydraulic distributor
		RP70-8-0-M	2	Distributor section (1-25, 45, 52, 53)
		RP70-8-1-M	1	Distributor section (1-25, 45, 52, 53)
		RP70-R1 ¹⁾ RP70-R2 ²⁾	1	Cover (RP70-080, 26, 47-50)
		RP70-20.1	1	Cover (RP70-050, 46)
		RP70-050	1	Safety valve (27-44)
		RP70-080	1	Blind plug (27, 48, 54, 55)
	1	RP70-090 or 8PM 170.027	1	Pipe
	2	RP-70-034	1	Spring
	3	RP70-026	1	Screw
	4	RP70-018-01	1	Plate
	5	BU-8/1.01.010 A-01	1	Spring
	6	5,556-100 GOST 3722-81	3	Ball
	8	017-020-19-2-4 GOST 18829-73/GOST 9833-73	1	Ring
	9	RP70-024	1	Plug
	10	RP70-027	1	Spring
	11	RP70-023	1	Shutter
	12	RP70-031	1	Ring
	13	RP70-042	2	Strip
	14	6x22 OST 37.001.163-75	2	Pin
	15	2x50.019 DIN EN ISO 1234:98	3	Split pin
	16	RP70-032	1	Ring
	17	RP70-011	1	Housing
	18	RP70-013	1	Valve
	19	030-034-25-2-2 GOST 18829-73/GOST 9833-73	1	Ring
	20	9,525-100 GOST 3722-81	1	Ball
	21	RP70-014 RP70-014-02 ³⁾	1	Cage
	22	016-020-25-2-2 GOST 18829-73/GOST 9833-73	1	Ring
	23	009-012-19-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	24	RP70-016	1	Threaded bushing
	25	RP70-018	1	Plate
	26	RP70-012	1	Cover
	27	018-021-19-2-4 GOST 18829-73/GOST 9833-73	2	Ring
	28	RP70-058	1	Ring
	29	70-4609037	1	Spring
	30	RP70-052-B	1	Valve
	31	RP70-054	1	Seat
	32	RP70-051	1	Housing
	33	016-020-25-2-4 GOST 18829-73/GOST 9833-73	1	Ring
	34	MKPV-16/3F-103	1	Spring
	35	RP70-059	1	Screw
	36	RP70-053	1	Fitting
	37	RP70-076	1	Nut
	38	RP70-057	1	Cap
¹⁾ for distributor RP70-1221.1 ²⁾ for distributor RP70-622.1 ³⁾ for distributor section RP70-8-1-M				

**Group 46. Remote-cylinder hydraulic system
Subgroup RP70. Hydraulic distributor RP70**

Fig.	Pos.	Designation	Q-ty	Description
46.20, 46.21, 46.22	39	S 6.01.019 GOST 11371-78	1	Washer
	40	013-016-19-2-2 GOST18829-73/GOST9833-73	3	Ring
	41	RP70-058-02	1	Ring
	42	MKPV-16/3F-101	1	Needle
	43	028-032-25-2-2 GOST18829-73/GOST9833-73	1	Ring
	44	RP70-058-01	1	Ring
	45	RP70-074 ¹⁾ or RP70-070 ¹⁾	1	Bracket
	46	RP70-012-01	1	Cover
	47	036-040-25-2-2 GOST 18829-73/GOST 9833-73	2	Ring
	48	Washer RM24	2	Washer
	49	RP70-036	1	Plug
	50	060-066-36-2-2 GOST 18829-73/ GOST9833-73 or 60,00-3,50 SIMRIT 72 NBR 872	2	Ring
	51	RS70-036	1	Limit stop
	52	V.M6-6gx12.58.019 GOST 17473-80	4	Screw
	53	6T OST 37.001.115-75	4	Washer
	54	RP70-081	1	Blind plug
	55	RP70-058	1	Ring
	56	RP70-037-02	4	Stud
	57	M10-6H.6.019 GOST 5915-70	8	Nut
	58	10 OT OST 37.001.115-75	8	Washer
	59	RP70-038	1	Nameplate
	60	2x6.01.10кР.05 GOST 10299-80	2	Rivet
	61	021-025-25-1-4 GOST 18829-73/GOST 9833-73	1	Ring
	62	RP70-028 ²⁾	3	Cover (temporary)
¹⁾ For distributor RP70-1221.1				
²⁾ For distributor RP70-622.1				

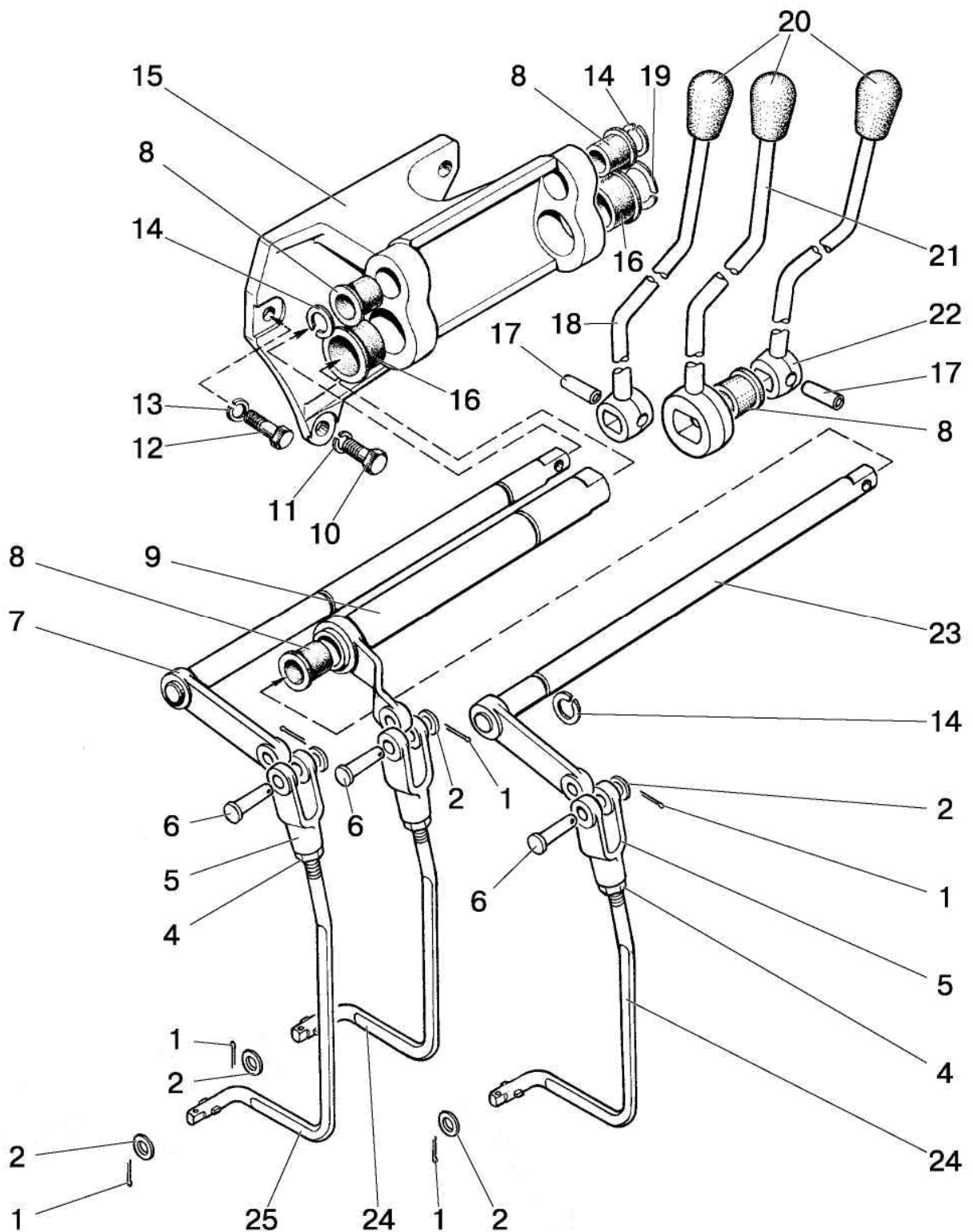


Fig.46.23. Hydraulic distributor RP70 control

Group 46. Hydraulic system
Subgroup 4607. Hydraulic distributor RP70 control

Fig.	Pos.	Designation	Q-ty	Description
46.23	1	3,2x18.019 GOST 397-79	6	Split pin
	2	70-4607144	6	Washer
	4	M8-6H.6.019 GOST 5915-70	3	Nut
	5	A20-213A	3	Yoke
	6	A61-030-A1	3	Pin
	7	80-4607250	1	Shaft
	8	50-4607078-A	4	Bushing
	9	80-4607230	1	Shaft
	10	M12-6gx30.88.35.019 GOST 7796-70	2	Bolt
	11	12 OT OST 37.001.115-75	2	Washer
	12	M10-6gx35.88.35.019 GOST 7796-70	1	Bolt
	13	10 OT OST 37.001.115-75	1	Washer
	14	S18 GOST 13940-86	3	Ring
	15	85-4607017	1	Bracket
	16	50-4607079-A1	2	Bushing
	17	A.8x30.65G chem.phosph.oil. GOST 14229-93	2	Dowel
	18	C80-4607080-01	1	Lever
	19	S32 GOST 13940-86	1	Ring
	20	70-3401093	3	Lever end
	21	C80-4607090	1	Lever
	22	C80-4607080	1	Lever
	23	80-4607220	1	Shaft
	24	R1221-4607261	2	Link
	25	R1221-46007261-01	1	Link

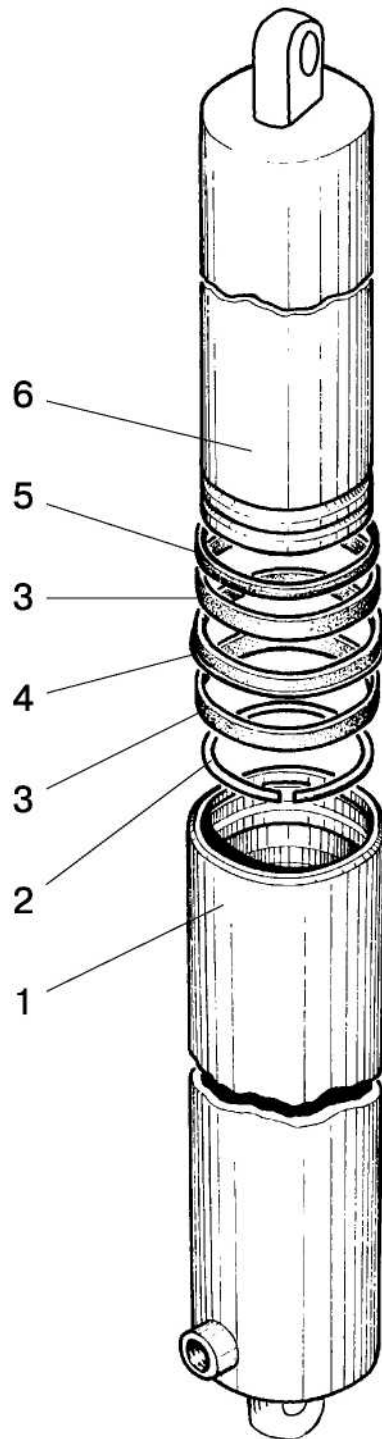


Fig.46.24. Hydraulic lift cylinder

Group 46. Hydraulic system
Subgroup 4625. Hydraulic lift cylinder

Fig.	Pos.	Designation	Q-ty	Description
46.24		820-4625010-B or (820E-4625010-B)	1	Cylinder assy (1-6)
	1	820-4625020 (820E-4625020)	1	Cylinder
	2	820-4625015 (820E-4625015)	1	Locking ring
	3	DFI 80-85-9,5 Simrit PF48	2	Guide ring
	4	NI300 80-90-12 T94AU925	1	Collar
	5	AUASOB 80-90-6,1-8,3 T94AU925	1	Scraper
	6	820-4625014-B (820E-4625014-B)	1	Plunger
		820H-4625010-B	1	Cylinder assy (1-6)
	1	820H-4625020	1	Cylinder
	2	820H-4625015	1	Ring
	3	GR6900800-Z61	2	Guide
	4	LI-CUP RU 2300800 WUAQ3	1	Collar
	5	DA22 WD-2200800 WUAQ3	1	Scraper
	6	820H-4625014-B	1	Plunger

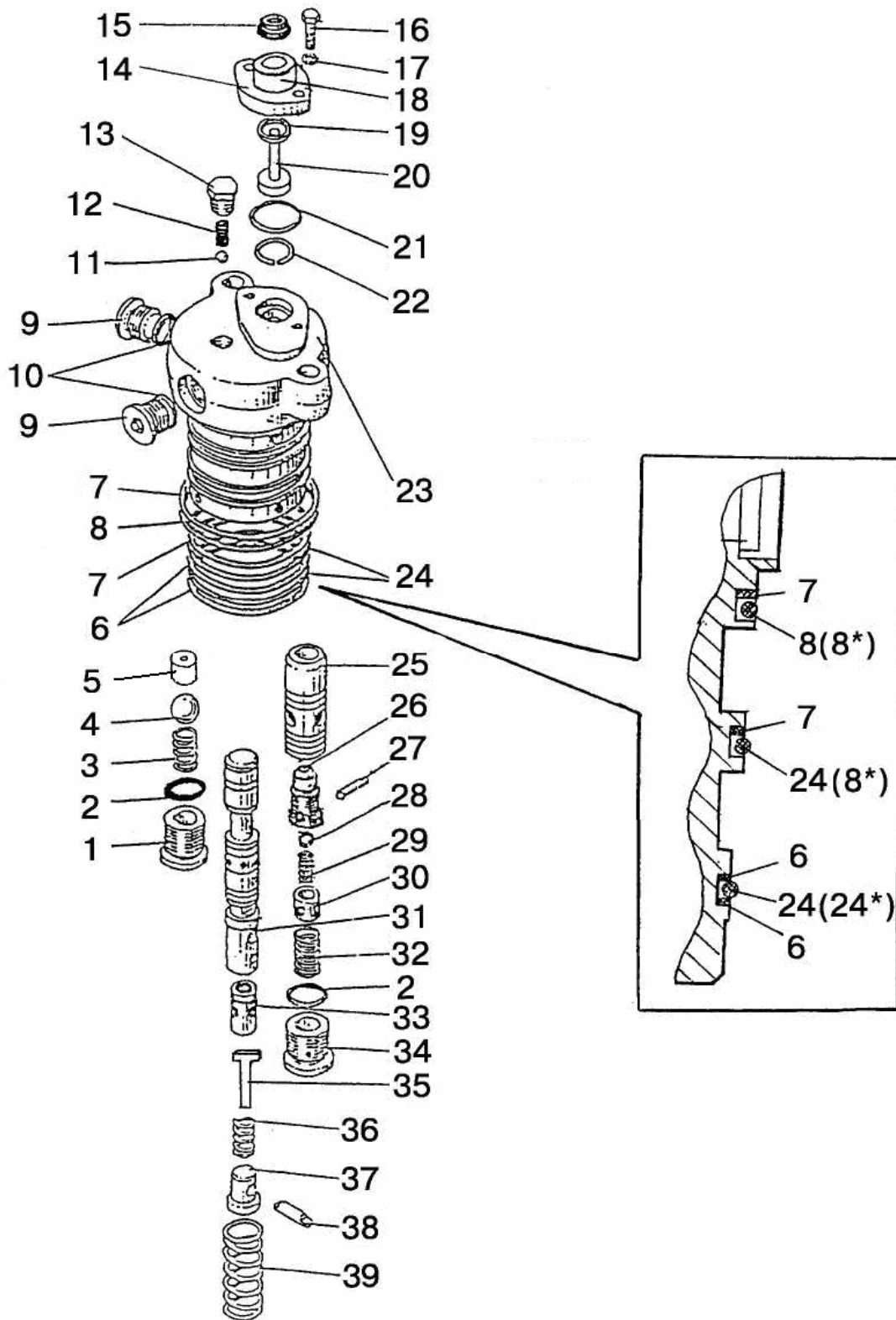


Fig.46.25. Hydraulic lift distributor

Group 46. Hydraulic system
Subgroup 4634. Hydraulic lift distributor

Fig.	Pos.	Designation	Q-ty	Description
46.25		820-4634010	1	Distributor
		820-4634020A	1	Valve (25-30)
	1	820-4634021	1	Plug
	2	017-020-19-2-6 GOST 18829-73/9833-73	2	Ring
		or 17,00-2,00 SIMRIT 72 NBR 872	2	Ring
	3	A61-072	1	Spring
	4	14,288-60 GOST 3722-81	1	Ball
	5	820-4634017	1	Seat
	6	820-4634025A	2	Ring
	7	820-4634025-A-01	2	Ring
	8	068-072-25-2-6 GOST 18829-73/9833-73	2	Ring
		or 65,00-2,50 SIMRIT 72 NBR 872	2	Ring
	9	820-4634022	2	Plug
	10	013-016-19-2-6 GOST 18829-73/9833-73	2	Ring
		or 13,00-2,00 SIMRIT 72 NBR 872	2	Ring
	11	6,350-100 GOST 3722-81	1	Ball
	12	80-4614058	1	Spring
	13	KG 1/8". A12.019 TU 23.1.506-91	1	Plug
	14	820-4634013-B	1	Cover
	15	2-10 GOST 24811-81	1	Scraper
	16	M6-6gx16.88.35.019 GOST 7798-70	2	Bolt
	17	6T OST 37.001.115-75	2	Washer
	18	820-4634039	1	Bushing
	19	010-014-25-2-2 GOST 18829-73/9833-73	1	Ring
	20	820-4634038	1	Pusher
	21	021-024-19-2-6 GOST 18829-73/9833-73	1	Ring
		or 21,00-2,00 SIMRIT 72 NBR 872	1	Ring
	22	820-4634036	1	Locking ring
	23	820-46340111	1	Housing
	24	064-068-25-2-6 GOST 18829-73/9833-73	2	Ring
		or 63,00-2,50 SIMRIT 72 NBR 872	1	Ring
	25	820-4634014	1	Valve
	26	820-4634018-B	1	Seat
	27	2.3x14 GOST 3128-70	1	Dowel
	28	5,556-60 GOST 3722-81	1	Ball
	29	R75-VZVR-082	1	Spring
	30	820-4634033	1	Limit stop
	31	820-4634012	1	Valve
	32	820-4634024	1	Spring
	33	820-4634026-B	1	Valve
	34	820-4634019	1	Plug
	35	820-4634037	1	Limit stop
	36	820-4634028	1	Spring
	37	820-4634029	1	Limit stop
	38	820-4634027	1	Dowel
	39	820-4634016	1	Spring

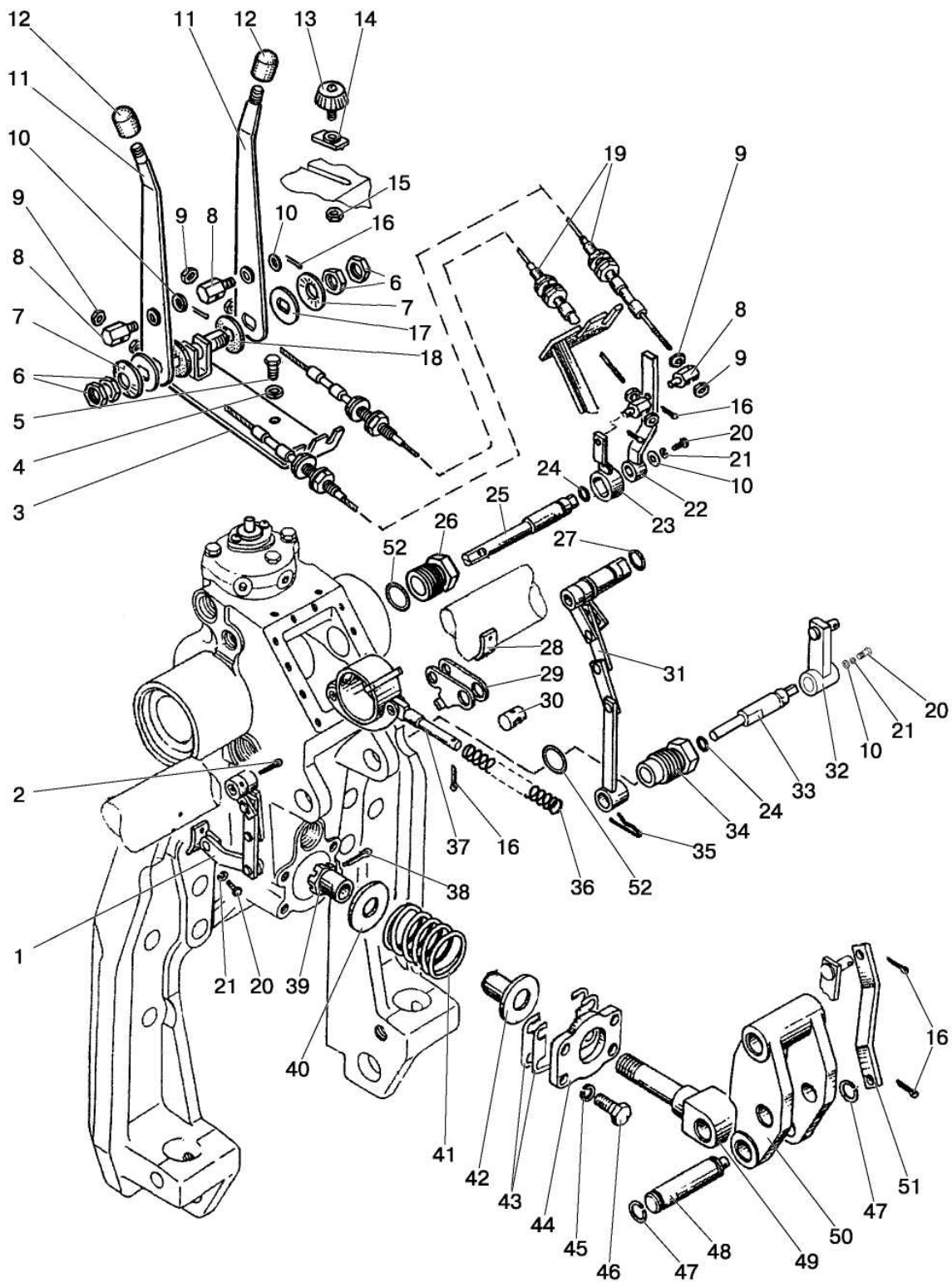


Fig.46.26. Hydraulic lift control

Group 46. Hydraulic system
Subgroup 4635. Hydraulic lift control

Fig.	Pos.	Designation	Q-ty	Description
46.26		820-4635005	1	Hydraulic lift (3-19;1221-4635010)
		1221-4635010	1	Hydraulic lift (1, 2, 10, 20-52; Fig. 46.20 Pos. 1-37)
		820-4635020-A	1	Force sensor (38-42, 44, 49)
		820-4635060	1	Summing element (16, 29, 30, 36, 37)
		820-4635090-B	1	Bracket (3, 6, 7, 11, 17)
	1	820-4635025	1	Position element
	2	3,2x25.019 GOST 397-79	1	Split pin
	3	820-4635095-B	1	Bracket
	4	8T OST 37.001.115-75	4	Washer
	5	M8-6gx20.88.35.019 GOST 7796-70	4	Bolt
	6	M14x1,5-6H.6.019 GOST 5915-70	4	Nut
	7	80B-1108347	2	Disc spring
	8	80B-1108317	4	Threaded rivet nut
	9	M6-6H.6.019 GOST 5915-70	8	Nut
	10	S 6.01.019 GOST 6958-78	4	Washer
	11	820-4635100-B	2	Lever
	12	A13.11.000	2	Handle
	13	80-4616070	1	Screw
	14	820-4635082	1	Limit stop
	15	M6-6H.019 TU 23.1.505-91	1	Nut
	16	3,2x18.019 GOST 397-79	7	Split pin
	17	80-1108028	2	Washer
	18	80-1108178	2	Friction washer
	19	100.M4322.00900 or 23.588.1.1.2.00.01-01 or 772-L-TT-75-900	2	Remote control wire
	20	M6-6gx16.88.35.019 GOST 7798-70	6	Bolt
	21	6T OST 37.001.115-75	6	Washer
	22	820-4635080	1	Lever
	23	820-4635075	1	Lever
	24	011-015-25-2-4 GOST 18829-73/9833-73	2	Ring
	25	820-4635034	1	Shaft
	26	820-4635033-B	1	Bushing
	27	019-023-25-2-4 GOST 18829-73/9833-73	1	Ring
	28	820-4635046	1	Clip
	29	820-4635070	1	Lever
	30	820-4635069	1	Detent
	31	820-4635030	1	Power element
	32	820-4635015-B	1	Lever
	33	820-4635016-B	1	Shaft
	34	820-4635032-B	1	Bushing
	35	820-4635049	1	Split pin
	36	820-4635063	1	Spring
	37	820-4635065	1	Bracket
	38	4x22.019 GOST 397-79	1	Split pin
	39	820-4635024	1	Nut
	40	820-4635023	1	Washer
	41	820-4635022	1	Spring
	42	820-4635026-B	1	Bushing
	43	820-4635044-B	4	Gasket
	44	820-4635043-B	1	Cover
	45	12 OT OST 37.001.115-75	4	Washer

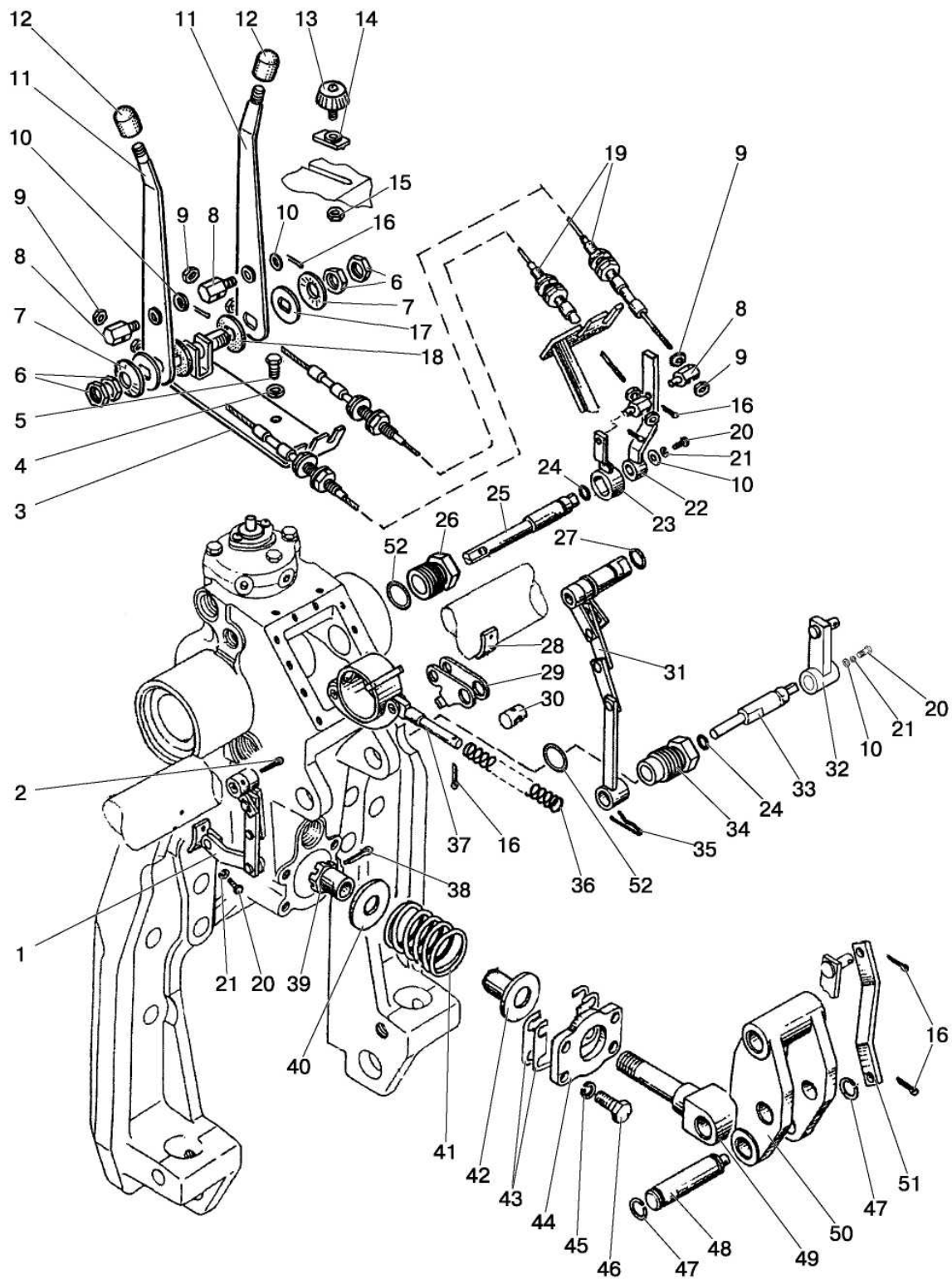


Fig.46.26. Hydraulic lift control

Group 46. Hydraulic system
Subgroup 4635. Hydraulic lift control

Fig.	Pos.	Designation	Q-ty	Description
46.26	46	M12-6gx30.88.35.019 GOST 7796-70	4	Bolt
	47	S22 GOST 13940-86	2	Ring
	48	820-4635018	1	Pin
	49	820-4635021	1	Rod
	50	820-4635019	1	Clevis
	51	820-4635048	1	Link
	52	027-032-30-1-4 GOST 18829-73/9833-73	2	Ring

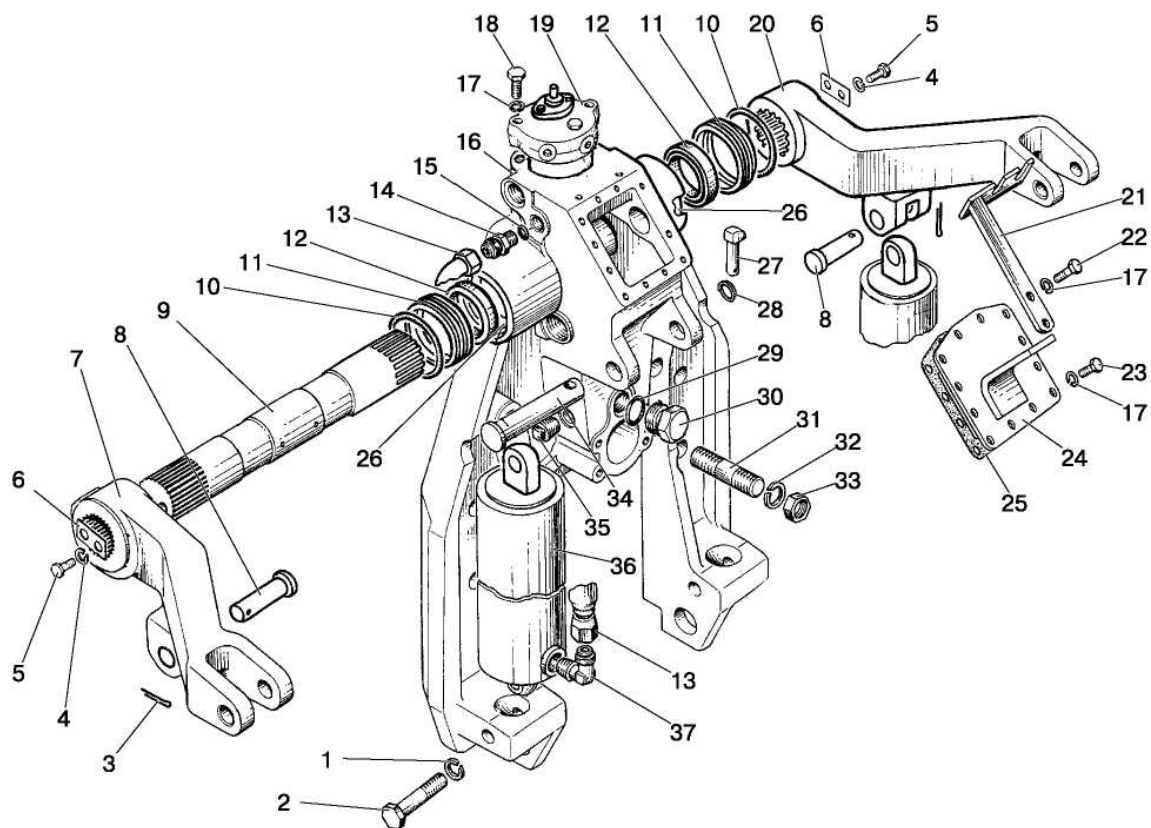


Fig.46.27.Hydraulic lift

Group 46. Hydraulic system
Subgroup 4635. Hydraulic lift

Fig.	Pos.	Designation	Q-ty	Description
46.27	1	16 OT OST 37.001.115-75	2	Washer
	2	M16-6gx75.88.35.019 GOST 7795-70	2	Bolt
	3	5x36.019 GOST 397-79	2	Split pin
	4	12 OT OST 37.001.115-75	4	Washer
	5	M12-6gx30.88.35.019 GOST 7796-70	4	Bolt
	6	40-4605023-A2	2	Washer
	7	1221-4635013	1	Left lever
	8	1221-4635016	2	Pin
	9	1221-4635014	1	Shaft
	10	079-085-36-2-2 GOST 18829-73/9833-73	2	Ring
	11	820-4635091	2	Cage
	12	BABSL 60-72-7 SIMRIT 72 NBR 902	2	Collar
	13	820-4635115-01	2	High-pressure hose Ø10x1 reinforced
	14	820-4635083	2	Fitting
	15	012-015-19-2-4 GOST 18829-73/9833-73	2	Ring
	16	1221-4635011	1	Housing
	17	8T OST 37.001.115-75	14	Washer
	18	M8-6gx40.88.35.019 GOST 7795-70	2	Bolt
	19	820-4634010	1	Distributor
	20	1221-4635012	1	Right lever
	21	820-4635085	1	Bracket
	22	M8-6gx30.88.35.019 GOST 7796-70	2	Bolt
	23	M8-6gx20.88.35.019 GOST 7796-70	10	Bolt
	24	820-4635125	1	Cover
	25	820-4635039	1	Gasket
	26	820-4635088	4	Bushing
	27	A61.05.005	1	Cotter key
	28	A61.05.004	1	Ring
	29	027-032-30-1-4 GOST 18829-73/9833-73	1	Ring
	30	80-4608021	1	Blind plug
	31	1321-2707068-01	4	Stud
	32	20 OT OST 37.001.115-75	4	Washer
	33	M20-6H.6.019 GOST 5915-70	4	Nut
	34	A61.10.001	1	Pin
	35	PK KG 3/8"	1	Plug
	36	820-4625010-B or 820H-4625010-B 820E-4625010-B	2	Cylinder
	37	820-4635084	2	Angle piece

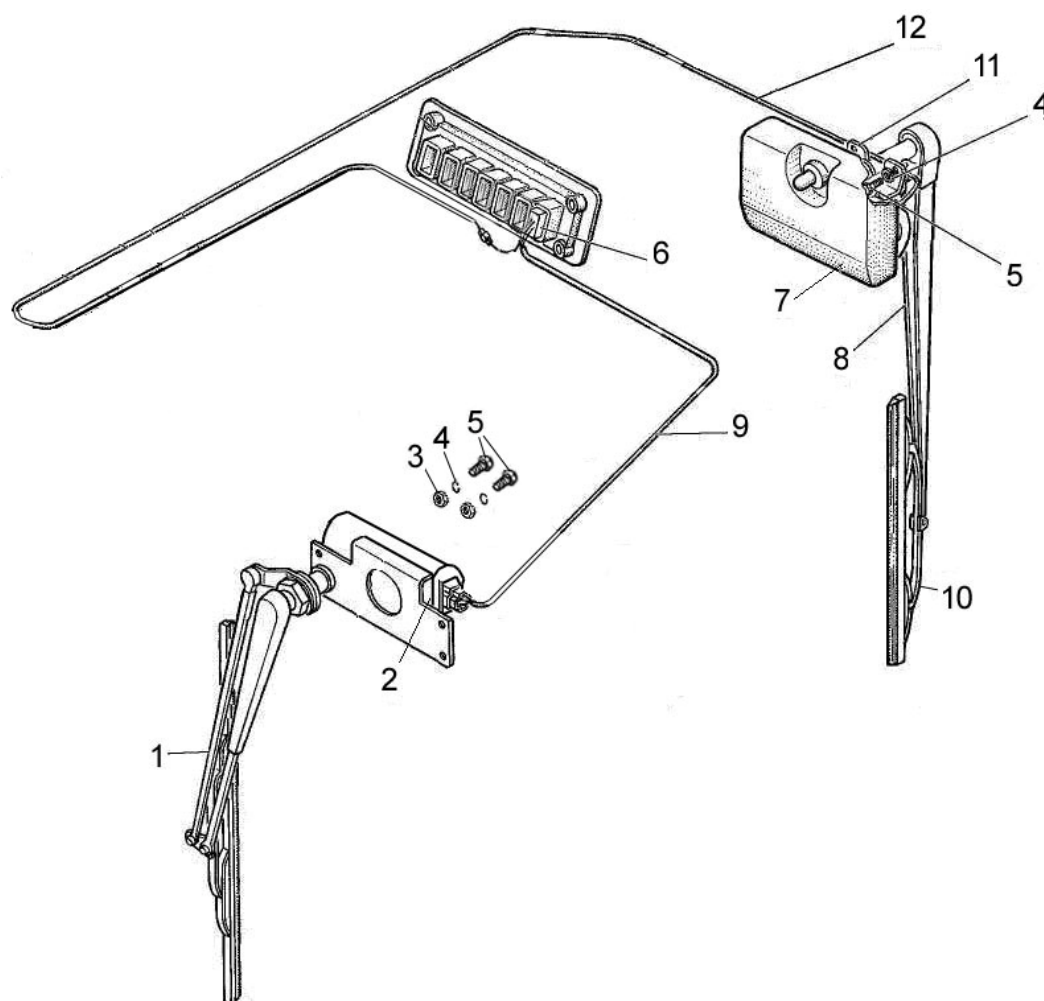


Fig.52.1. Windscreen wiper assembly

Group 37. Electrical equipment
Subgroup 5205. Windscreen wiper assembly

Fig.	Pos.	Designation	Q-ty	Description
52.1		80-5205050-B		Windscreen wiper assembly
	1	UGFL.5205015 or 78700030	1	Lever with front wiper blade 660/600
	2	MR-05 or MR-05M or 192090010 or 96.5205100 GOST 18699-73	1	Pantograph windscreen wiper
	3	S6.01.019 GOST 11371-78	4	Nut
	4	6T OST 37.001.115-75	6	Washer
	5	M6-6gx16.88.35.019 GOST 7798-70	6	Bolt
	6	P147M-09.09 or PK147-09.09	1	Wiper switch
	7	475.3730-10 or ST-240 or A18-45.00.100	1	Windscreen wiper
	8	009.48.00 or A18-45.00.200 or 420R.5205 or 20.5215 300	1	Wiper lever 420.1
	9	80V-3724010-B	1	Bundled cable
	10	A10-450.01 or 450V.5205 or 20.5215.400 or 450.04.00	1	Wiper blade 450
	11	80-5205031	1	Bracket
	12	80V-3724310-14	1	Cable

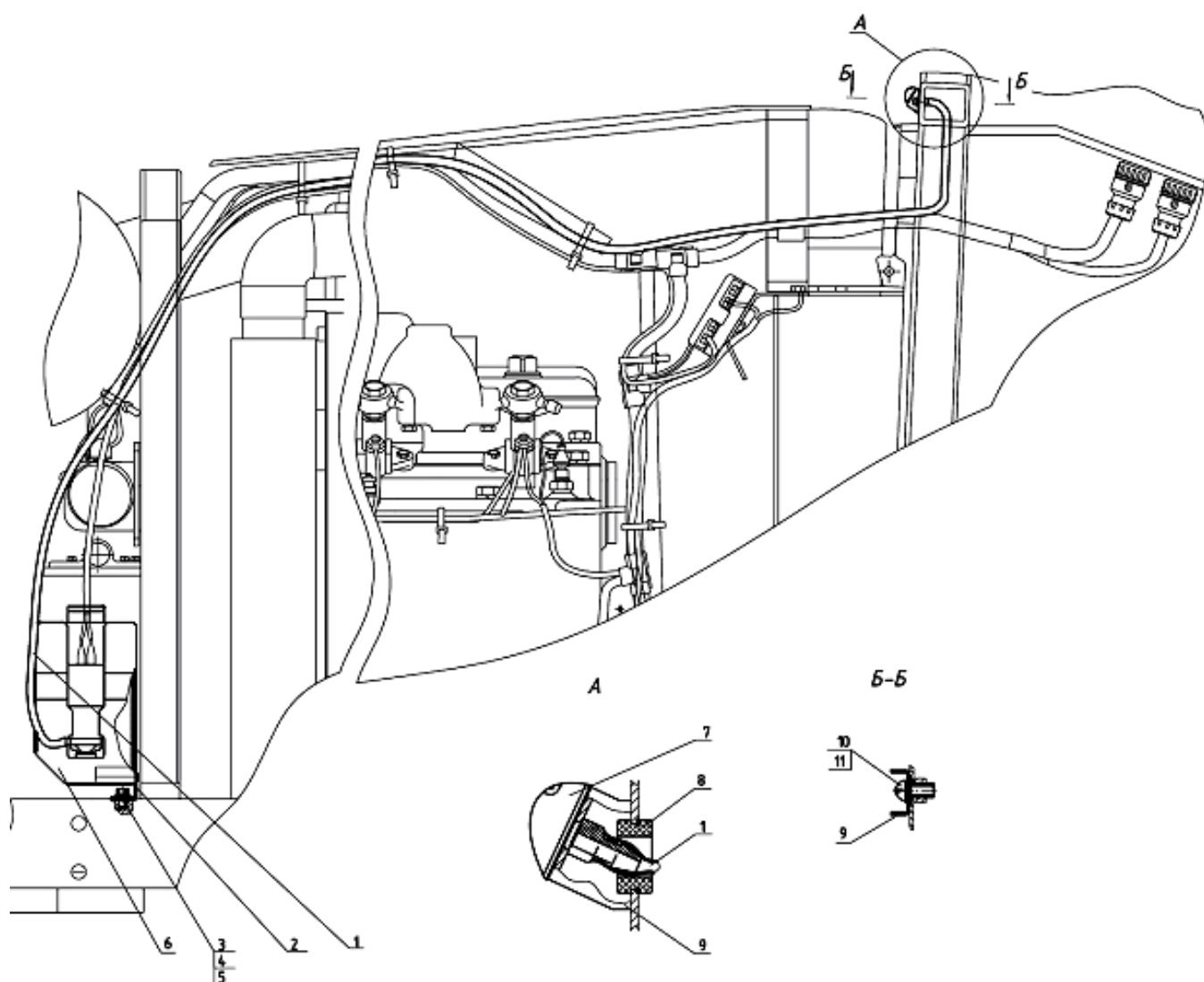


Fig.52.2. Windscreen washer assembly

Group 52. Windshield washers
Subgroup 5208. Windscreen washer assembly

Fig.	Pos.	Designation	Q-ty	Description
52.2		952.5-5208010	1	Windscreen washer assembly
	1	923-5208002-06	1	Pipe
	2	952.5-5208001	1	Bracket
	3	M8-6gx14.88.35.019 GOST 7796-70	2	Bolt
	4	S.8.01.019 GOST 11371-78	2	Washer
	5	8T OST 37.001.115-75	2	Washer
	6	122.5208 000 or SEAT-33	1	Electrical windscreen washer
	7	11.500-01 or 1202.5208500-02 or ADYUI.306549.001	1	Jet
	8	70-3723042-01	1	Bushing
	9	80-5208011-A	1	Flange
	10	V.M6-6gx12.58.019 GOST 17473-80	2	Screw
	11	6T OST 37.001.115-75	2	Washer

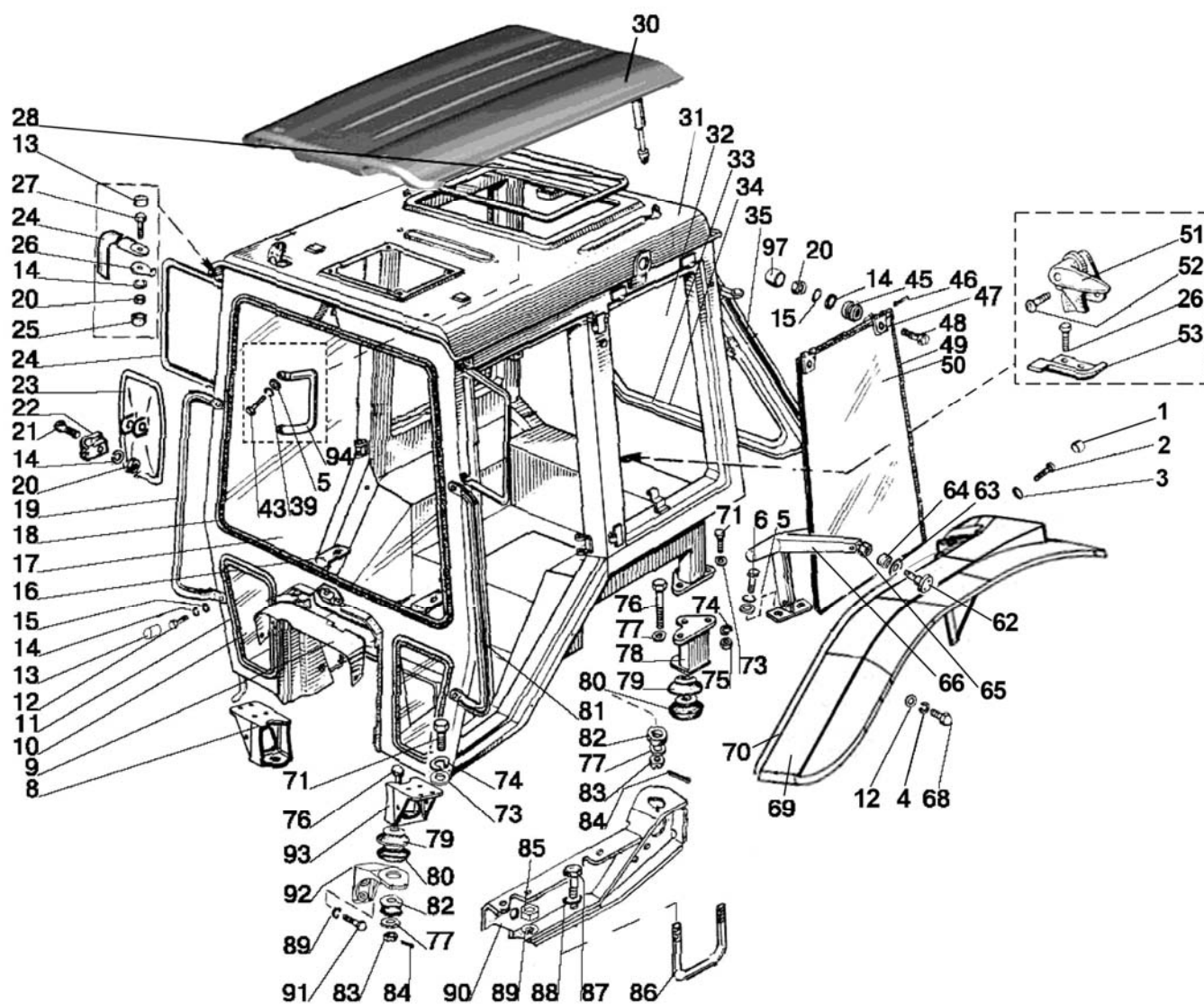


Fig. 67.1. Tractor cab. Rear fenders

Group 67. Tractor cab
Subgroup 6700. Tractor cab. Rear fenders

Fig.	Pos.	Designation	Q-ty	Description
67.1		80-6700010-B	1	Cab assy
		80-6708210	1	Rear frame (32-35)
		80-6708900-03	2	Glass assy (13, 14, 19, 24, 45, 47-50)
	1	A30.04.017	4	Cap
	2	M6-6gx20.88.35.019 GOST 7798-70	4	Bolt
	3	S 6.01.019 GOST 6958-78	4	Washer
	4	8L OST 37.001.115-75	20	Washer
	5	S 6.01.019 GOST 11371-78	6	Washer
	6	M6-6gx16.88.35.019 GOST 7798-70	6	Bolt
	7	6T OST 37.001.115-75	6	Washer
	8	80-6700031-B-01	1	Right bracket
	9	85-6703056	1	Insert
	10	80-6703012-A or 80-6703012-A1	2	Glass
	11	A37.08.043	2	Sealant
	12	M8-6gx20.88.35.019 GOST 7796-70	4	Bolt
	13	A30.04.017-01	8	Cap
	14	8T OST 37.001.115-75	14	Washer
	15	S 8.01.019 GOST 11371-78	8	Washer
	16	80-3805030	2	Bracket
	17	80-6703011-A or 80-6703011-A1	1	Glass
	18	A37.08.043-01	1	Sealant L=4200 mm
	19	80-6703100	1	Right handrail
	20	M8-6H.6.019 GOST 5915-70	10	Nut
	21	M8-6gx40.88.35.019 GOST 7795-70	2	Bolt
	22	A30.04.051	2	Clamp
	23	80-8201055	2	Mirror
	24	80-8201106-B	2	Pipe
	25	A30.04.017-02	4	Cap
	26	80-8201107	4	Washer
	27, 48	M8-6gx30.88.35.019 GOST 7796-70	8	Bolt
	28	A37.08.045	1	Sealant
	30	D82-6707005	1	Roof assy (plastic)
	31	80-6700020-B	1	Cab (fabricated frame)
	32	80-6708211-A or 80-6708211-A1	1	Glass
	33	80-6708215	1	Frame
	34	A34.08.043-05	1	Sealant
	35	80-6700021-01	1	Sealant
	39	S 6.01.019 GOST 6958-78	10	Washer
	43	V.M6-6gx20.58.019 GOST 17473-80	1	Screw
	45	80-6708903	4	Bushing
	46	8x65 OST 37.001.163-75	4	Pin
	47	80-6708902	4	Hinge
	49	F-202	2	Sealant

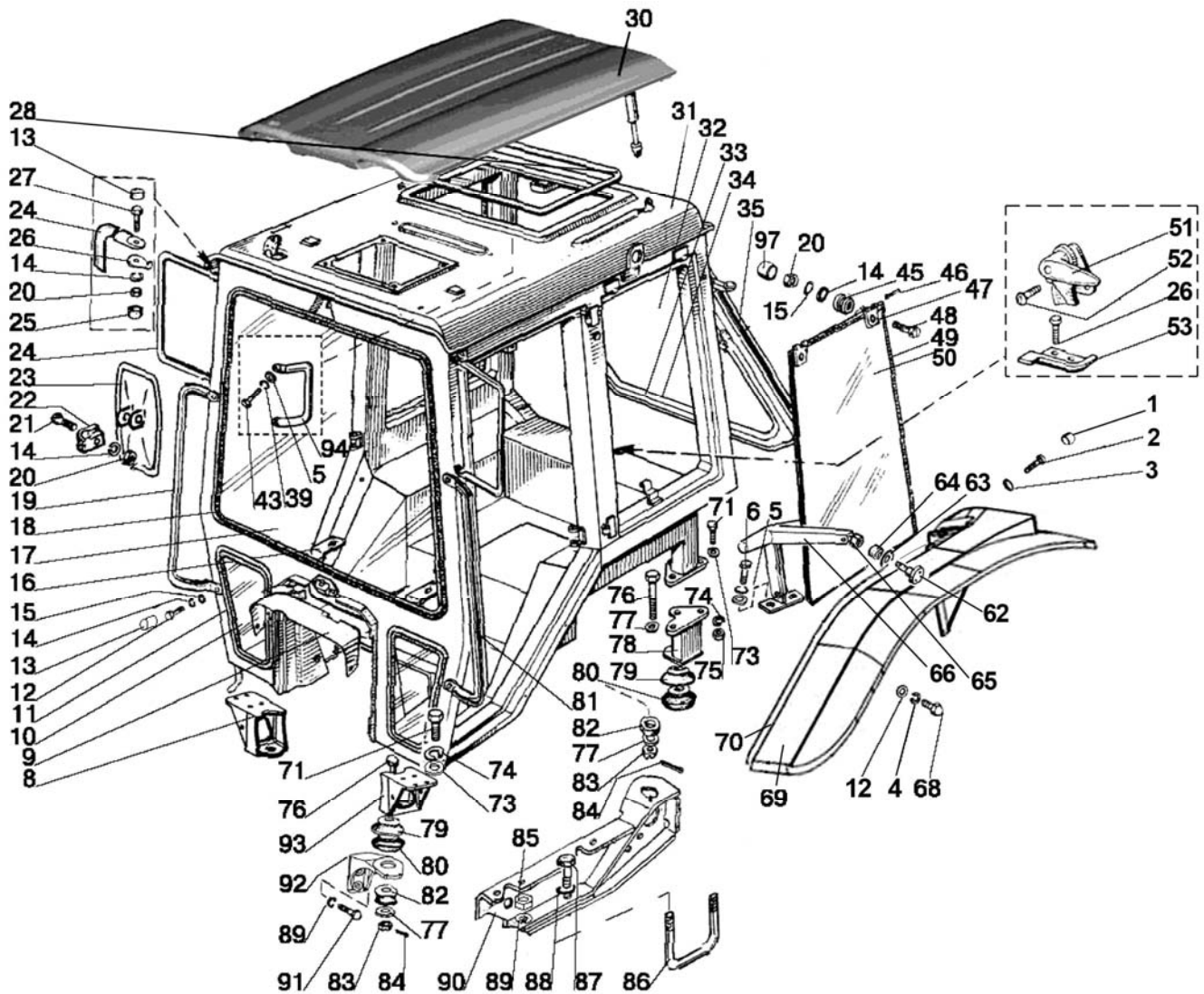


Fig. 67.1. Tractor cab. Rear fenders

Group 67. Tractor cab
Subgroup 6700. Tractor cab. Rear fenders

Fig.	Pos.	Designation	Q-ty	Description
67.1	50	1221-6708901-A or 1221-6708901-A1	2	Glass
	51	A37.05.025	1	Detent
	52	V.M6-6gx25.58.019 GOST 17473-80	2	Screw
	53	A37.05.021-B	1	Bracket
	62	80-6708975	2	Screw
	63	80-6708904	2	Gasket
	64	A37.01.041	2	Bushing
	65	A37.04.053	2	Nut
	66	80-6708970	2	Handle
	68	M8-6gx20.88.35.019 GOST 7796-70	20	Bolt
	69	D82-8404020 or L82-8404011 or D82-8404020-A	1	Fender (left)
		D82-8404020-01 or L82-8404011-01 or D82-8404020-A-01	1	Fender (right)
	70	80-8404013-B	2	Sealant
	71	M12-6gx30.88.35.019 GOST 7796-70	14	Bolt
	73	S 12.01.019 GOST 11371-78	8	Washer
	74	12 OT OST 37.001.115-75	14	Washer
	75	M12-6H.6.019 GOST 5915-70	6	Nut
	76	80-6700029	4	Bolt
	77	S 16.01.019 GOST 11371-78	12	Washer
	78	80-6700037-B	1	Left support
		80-6700037-B-01	1	Right support
	79	80-6700163	4	Cage
	80	80-6700160	4	Vibration isolator
	81	80-6703100	1	Left handrail
	82	130-5001364-V	4	Pad
	83	M16-6H.6.019 GOST 5918-73	4	Nut
	84	4x36.019 GOST 397-79	4	Split pin
	85	M18x1,5-6H.6.019 GOST 5915-70	4	Nut
	86	80-6702022	2	Clamp (variant)
	87	1221-6702301 or M20-6gx70.88.35.019 GOST 7796-70	4	Bolt (variant)
	88	20 OT OST 37.001.115-75	4	Washer
	89	18 OT OST 37.001.115-75	4	Washer
	90	70-6702300-01	1	Right bracket
		70-6702300-02	1	Left bracket
	91	M16-6gx50.88.35.019 GOST 7796-70	4	Bolt
	92	80-6702068	1	Left bracket
		80-6702069	1	Right bracket
	93	80-6700031-B	1	Left bracket
	94	80-6708209	1	Handle
	97	A30.04.017-02	4	Cap
	98	M6-6gx14.88.35.019 GOST 7798-70	2	Bolt
	99	S 8.01.019 GOST 6958-78	20	Washer

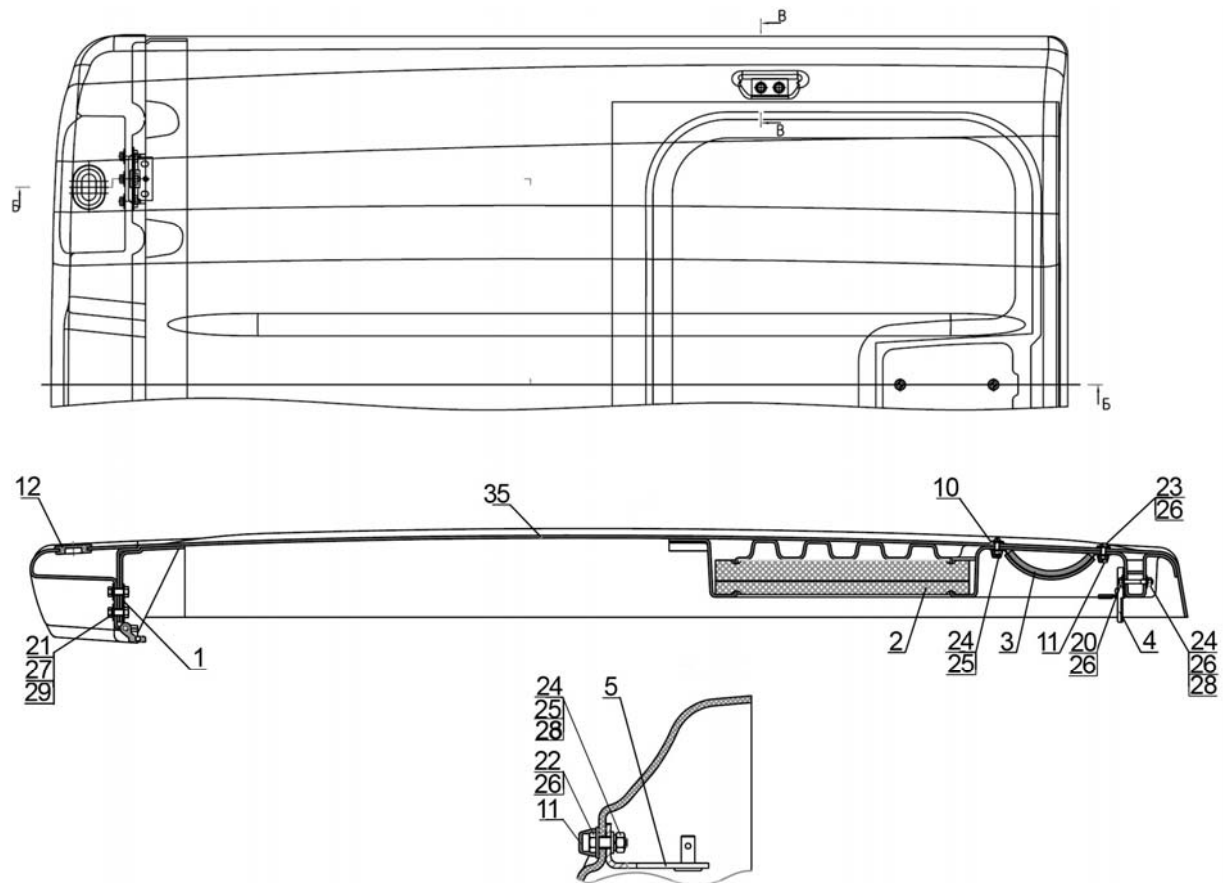


Fig. 67.2. Roof

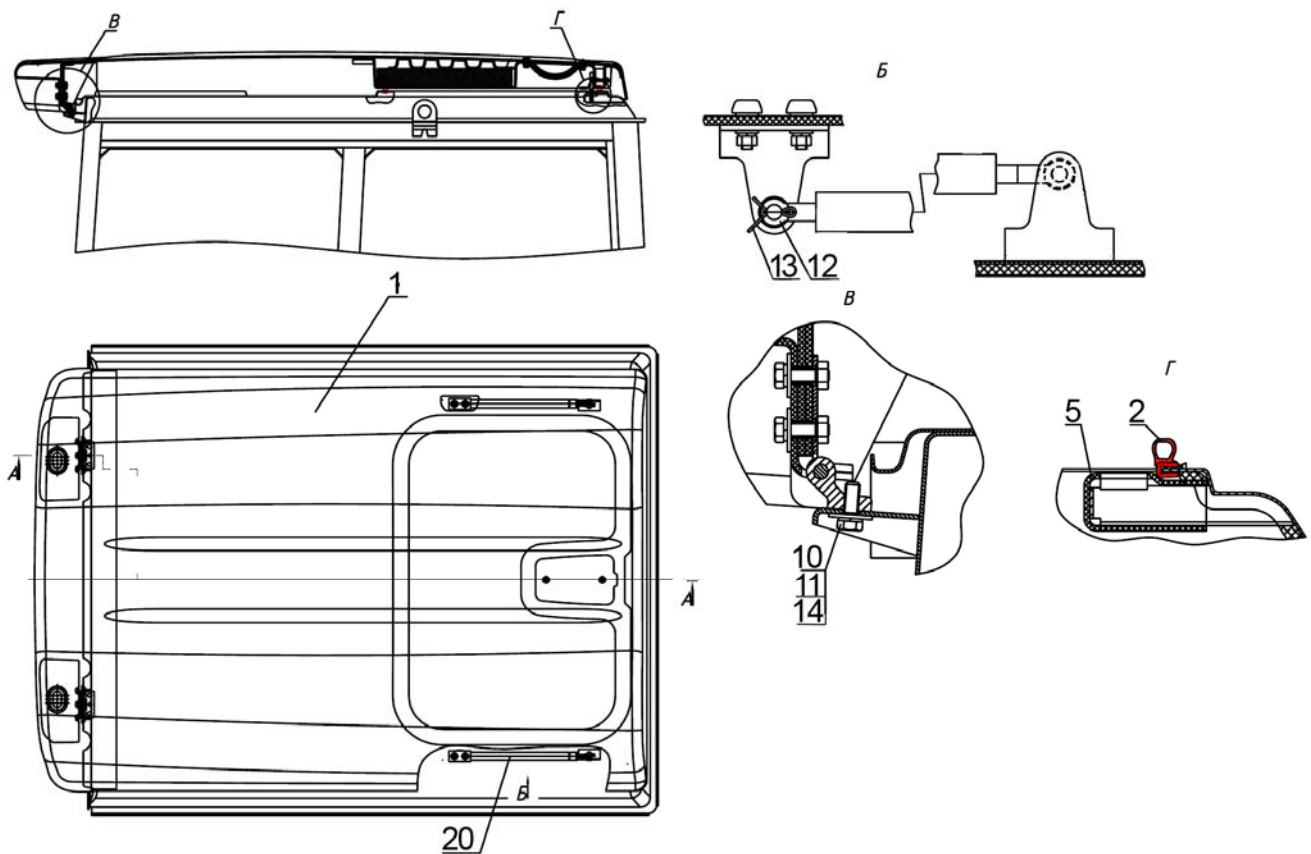


Fig.67.3. Roof

**Group 67. Tractor cab
Subgroup 6700. Roof**

Fig.	Pos.	Designation	Q-ty	Description
67.2	1	80-6707020-01	2	Hinge
	2	D82-6707030	1	Lining
	3	80-6707080	1	Handrail
	4	A37.09.010	1	Latch
	5	80-6708225	2	Bracket
	10	549A-1305044	2	Ring
	11	A30.04.017	6	Cap
	12	80x-8400026	2	Ring
	20	M6-6gx45.88.35.019 GOST 7795-70	2	Bolt
	21	M8-6gx25.88.35.019 GOST 7796-70	6	Bolt
	22	M6-6gx18.88.35.019 GOST 7798-70	4	Bolt
	23	M6-6gx25.88.35.019 GOST 7798-70	2	Bolt
	24	V.M6-6gx25.58.019 GOST 17473-80	6	Screw
	25	M6-6H.6.019 GOST 5915-70	6	Nut
	26	S 6.01.019 GOST 11371-78	10	Washer
	27	S 8.01.019 GOST 11371-78	6	Washer
	28	6T OST 37.001.115-75	6	Washer
	29	8T OST 37.001.115-75	6	Washer
	35	D82-6707035	1	Roof

**Group 67. Tractor cab
Subgroup 6700. Roof**

Fig.	Pos.	Designation	Q-ty	Description
67.3	1	D82-6707025	1	Roof
	2	A37.08.045	1	Sealant
	5	80-6700027	1	Casing
	10	M8-6gx30.88.35.019 GOST 7796-70	2	Bolt
	11, 12	S 8.01.019 GOST 11371-78	6	Washer
	13	3,2x18.019 GOST 397-79	4	Split pin
	14	8T OST 37.001.115-75	2	Washer
	20	6700.01	2	Air-lift

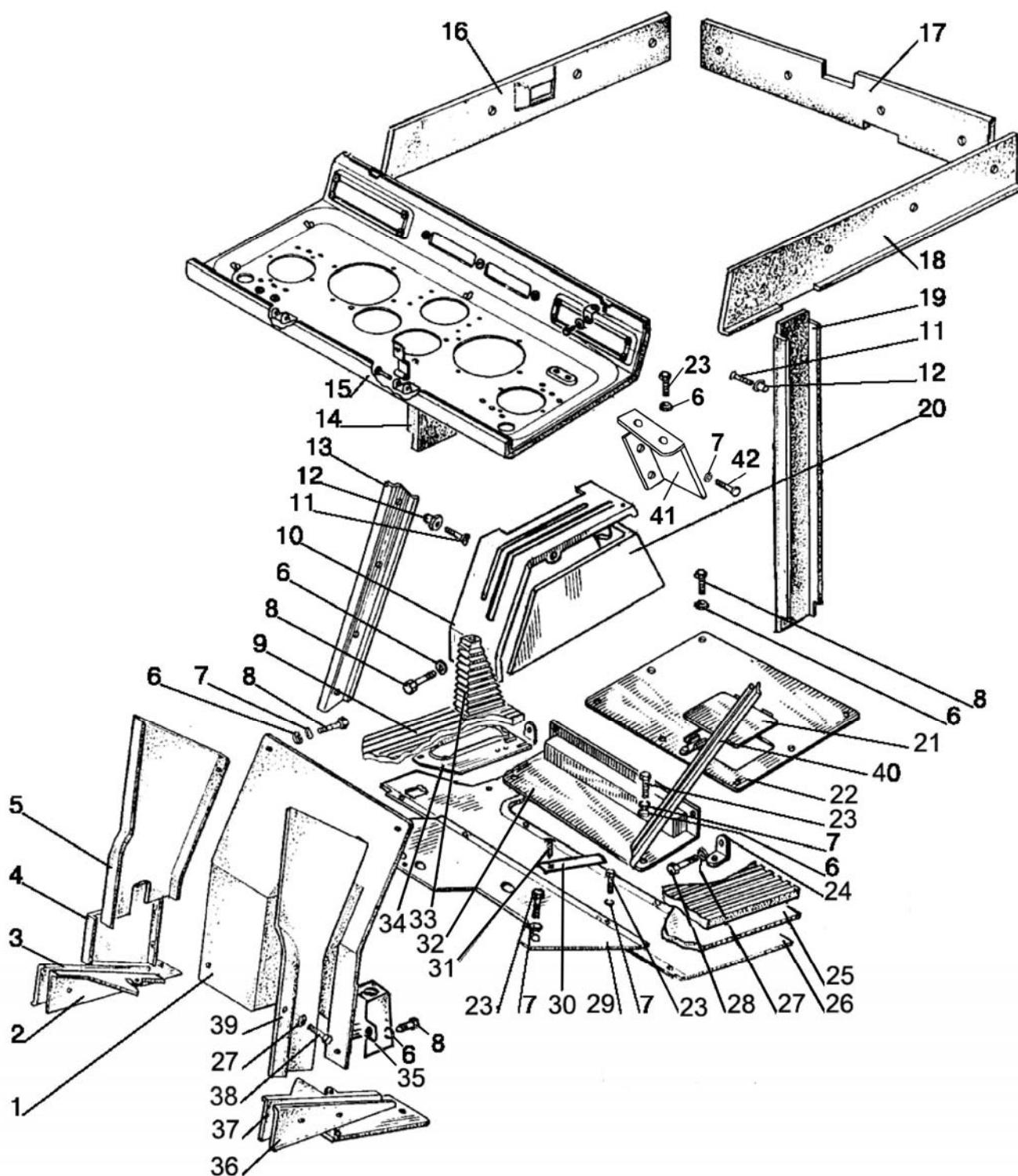


Fig. 67.4. Cab floor

Group 67. Tractor cab
Subgroup 6702. Cab floor

Fig.	Pos.	Designation	Q-ty	Description
67.4	1	80P-6700300	1	Panel
	2	80-6702330	1	Strap
	3	80-6702328-01	1	Side member
	4	80P-6700330-01	1	Panel
	5	80P-6700340-01	1	Panel
	6	S 6.01.019 GOST 6858-78	22	Washer
	7	6T OST 37.001.115-75	22	Washer
	8	M6-6gx25.88.35.019 GOST 7796-70	14	Bolt
	9	80-6702337 or 80-6702337-A	1	Floor covering
	10	1221-6700036	1	Cover
	11	1-4x25.019 GOST 1144-80	28	Screw
	12	A37.10.031	28	Threaded rivet nut
	13	80-6702111-B	1	Hold-down clamp
	14	1221D-6700050	1	Onlay assembly
	15	80-8100100	1	Panel
	16	1221-6700065	1	Strap
	17	80-6700205	1	Strap
	18	1221-6700050	1	Strap
	19	1221-6700060	1	Strap
	20	85-6700040-B	1	Panel
	21	80-6702190-B	1	Cover
	22	85-6702390-B	1	Cover
	23	M6-6gx16.88.35.019 GOST 7798-70	19	Bolt
	24	70-6702111	2	Angle piece
	25	80-6702468-V or 80-6702469-L	1	Gasket
	26	80-6702315-B	1	Panel
	27	S 6.01.019 GOST 11371-78	10	Washer
	28	M8-6gx16.88.35.019 GOST 7796-70	4	Bolt
	29	80-6702310	1	Floor
	30	80-6702348	1	Left hold-down clamp
		80-6702348-01	1	Right hold-down clamp
	31	V.M6-6gx12.58.019 GOST 17473-80	4	Screw
	32	85-6702085	1	Cover
	33	80-6702243	1	Rubber boot
	34	80-6702820	1	Strap
	35	80-6700370-B	1	Casing
	36	80-6702328	1	Side member
	37	80-6702320	1	Strap
	38	M8-6gx40.88.35.019 GOST 7795-70	2	Bolt
	39	80P-6700320	1	Panel
	40	80-6702111	1	Hold-down clamp
	41	80-6700085	1	Bracket
	42	M6-6gx20.88.35.019 GOST 7798-70	5	Bolt

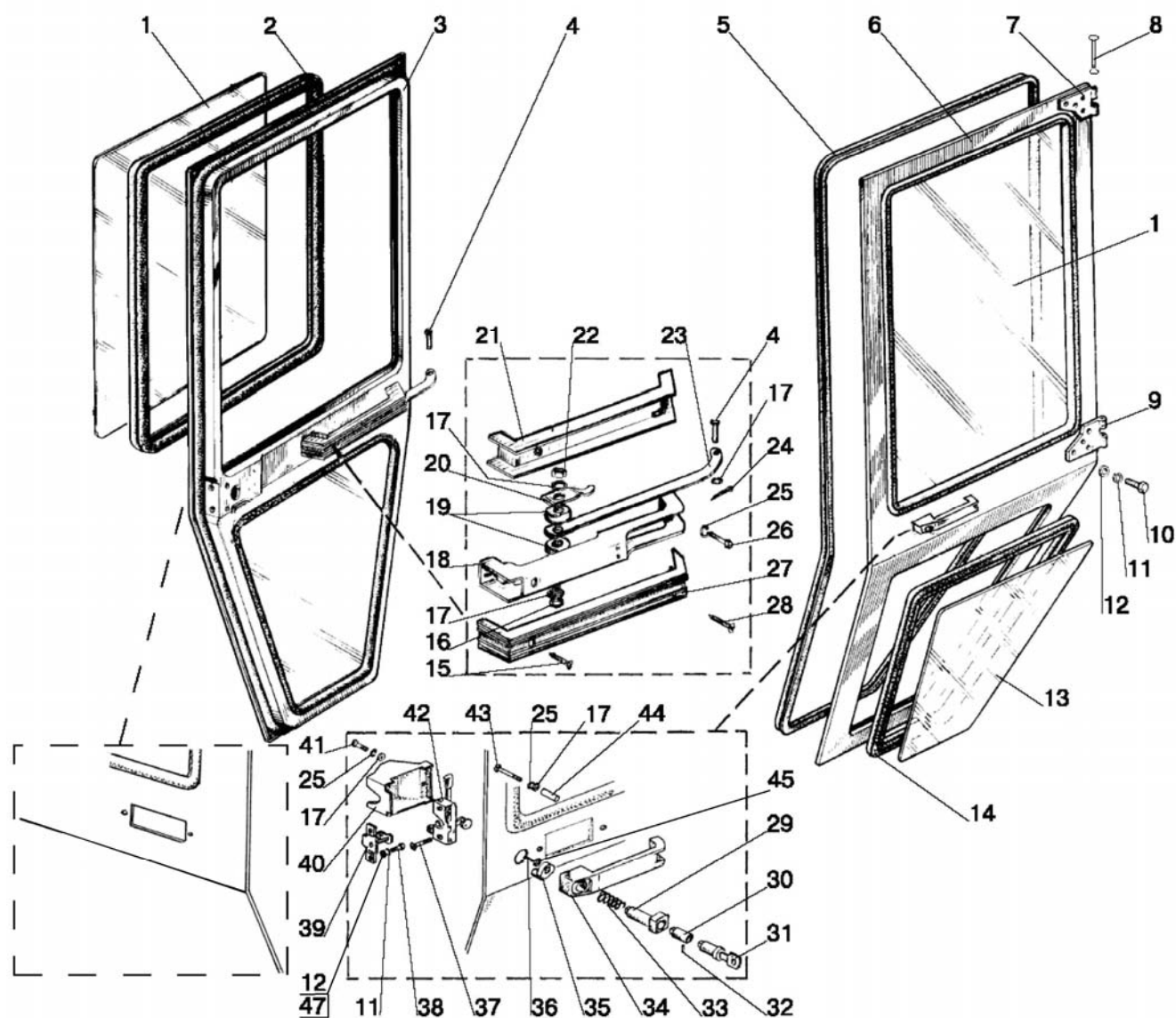


Fig. 67.5. Cab doors

Group 67. Tractor cab
Subgroup 6708. Cab doors

Fig.	Pos.	Designation	Q-ty	Description
67.5		80-6708010-B	1	Door (left) (1, 2, 5-7, 9-14)
		80-6708010-B-02	1	Door (right) (1-3, 5, 7, 9-14)
		80-6105300-A1		Handle (left) (29-36)
		80-6105330-A1		Handle (right) (33-36, 45-47)
	1	80-6708013-A or 80-6708013-A1	2	Glass
	2	A37.08.043-02	2	Sealant L=2720 mm
	3	80-6708020-B-02	1	Door (right)
	4	8x22 OST 37.001.163-75	2	Pin
	5	80-6700021-A	2	Profile
	6	80-6708020-B	1	Left door
	7	A37.03.022-B	2	Upper hinge
	8	822-6700011-01	10	Pin
		5T OST 37.001.115-75	10	Washer
	9	A37.03.022-B-01	2	Lower hinge
	10	M8-6gx25.88.35.019 GOST 7796-70	12	Bolt
	11	8T OST 37.001.115-75	12	Washer
	12	S 8.01.019 GOST 11371-78	12	Washer
	13	80-6708014-A or 80-6708014-A1	2	Glass
	14	A37.08.043-03	2	Sealant
	15	1-4x40.019 GOST 1144-80	2	Screw
	16	M6-6gx35.88.35.019 GOST 7798-70	2	Bolt
	17	S 6.01.019 GOST 11371-78	6	Washer
	18	80-6708610	2	Handrail
	19	80-6708619 or 80-6708619-A	4	Dashpot
	20	80-6708618	4	Spring
	21	80-6708602	2	Strap
	22	M6-6H.019 TU 23.1.505-91	2	Nut
	23	80-6708616	2	Lever
	24	3,2x18.019 GOST 397-79	2	Split pin
	25	6T OST 37.001.115-75	6	Washer
	26	M6-6gx16.88.35.019 GOST 7798-70	6	Bolt
	27	80-6708603	2	Strap
	28	1-4x25.019 GOST 1144-80	2	Screw
	29	80-6105301	1	Button
	30	80-6105304-B1	1	Bushing
	31	945.025.11.01.00	1	Cylinder mechanism
	32	2x11,8V3 GOST 6870-81	2	Roller
	33	80-6105302	1	Spring
	34	80-6105305	1	Handle
	35	80-6105303	1	Pusher
	36	4x10.019 TU RB 400024166.001-2000	1	Screw
	37	V.M8-6gx25.58.019 GOST 17475-80	4	Screw
	38	M8-6gx16.88.35.019 GOST 7796-70	4	Bolt
	39	80-6105170-B	2	Latch
	40	80-6708812	1	Cover (left)
		80-6708812-01	1	Cover (right)
	41	V.M6-6gx16.58.019 GOST 17475-80	2	Screw
	42	80-6105050	1	Lock (left)
		80-6105050-01	1	Lock (right)
	43	V.M6-6gx45.58.019 GOST 17473-80	2	Screw
	44	80-6708813	2	Bushing
	45	S 4.01.019 GOST 6958-78	1	Washer
	47	80-6105171	4	Washer

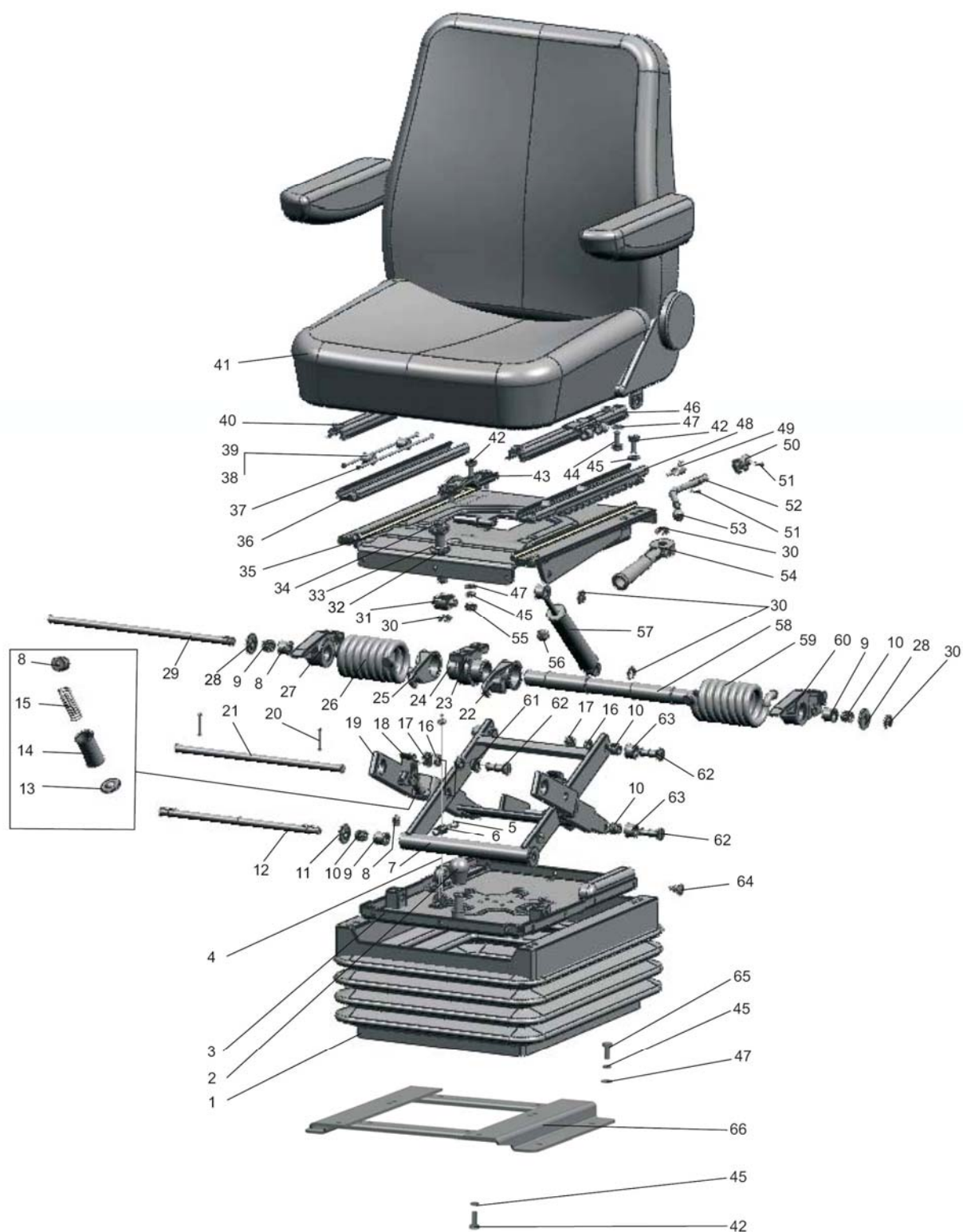


Fig.68.1. Operator's seat

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

Fig.	Pos.	Designation	Q-ty	Description
68.1		80-6800010	1	Seat (1-64)
		80-6800010-01	1	Seat (1-64)
		«Grammer MSG85/721» ¹⁾	1	Seat
	1	80V-6800108	1	Boot
	2	A61.01.014	1	Handle
	3	80V-6801560	1	Base
	4	80V-6801240	1	Cable wire
	5	V.M5-6gx16.58.019 GOST 17473-80	2	Screw
	6	70-4803023	1	Coupling
	7	80V-6801590-B	1	Frame
	8	80V-6801521	4	Limit stop
	9	80V-6801512	4	Bushing
	10	K12x16x13E GOST 24310-80	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	12 OT OST 37.001.115-75	6	Washer
	17	M10-6H.04.019 GOST 5919-73	6	Nut
	18	80V-6801581	2	Detent
	19	80V-6801570	1	Frame
	20	4x22.019 GOST 397-79	2	Split pin
	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	3,0-100 GOST 3722-81	22	Ball
	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	010-015-30-2-3 GOST 18829-73/9833-73	4	Ring
	40	80-6800110-01	1	Rail
	41	ST-154T.6800010	1	Seat
		ST-154TM.6800010	1	Seat
	42	M8-6gx20.88.35.019 GOST 7796-70	11	Bolt
	43	80V-6801031	1	Stiffener
	44	V.M8-6gx25.58.019 GOST 1491-80	4	Screw
	45	8T OST 37.001.115-75	15	Washer
	46	80-6800110	1	Rail
	47	S 8.01.019 GOST 11371-78	10	Washer
	48	80-6800120	1	Guide
	49	80-6800103	1	Spring
¹⁾ Optional				

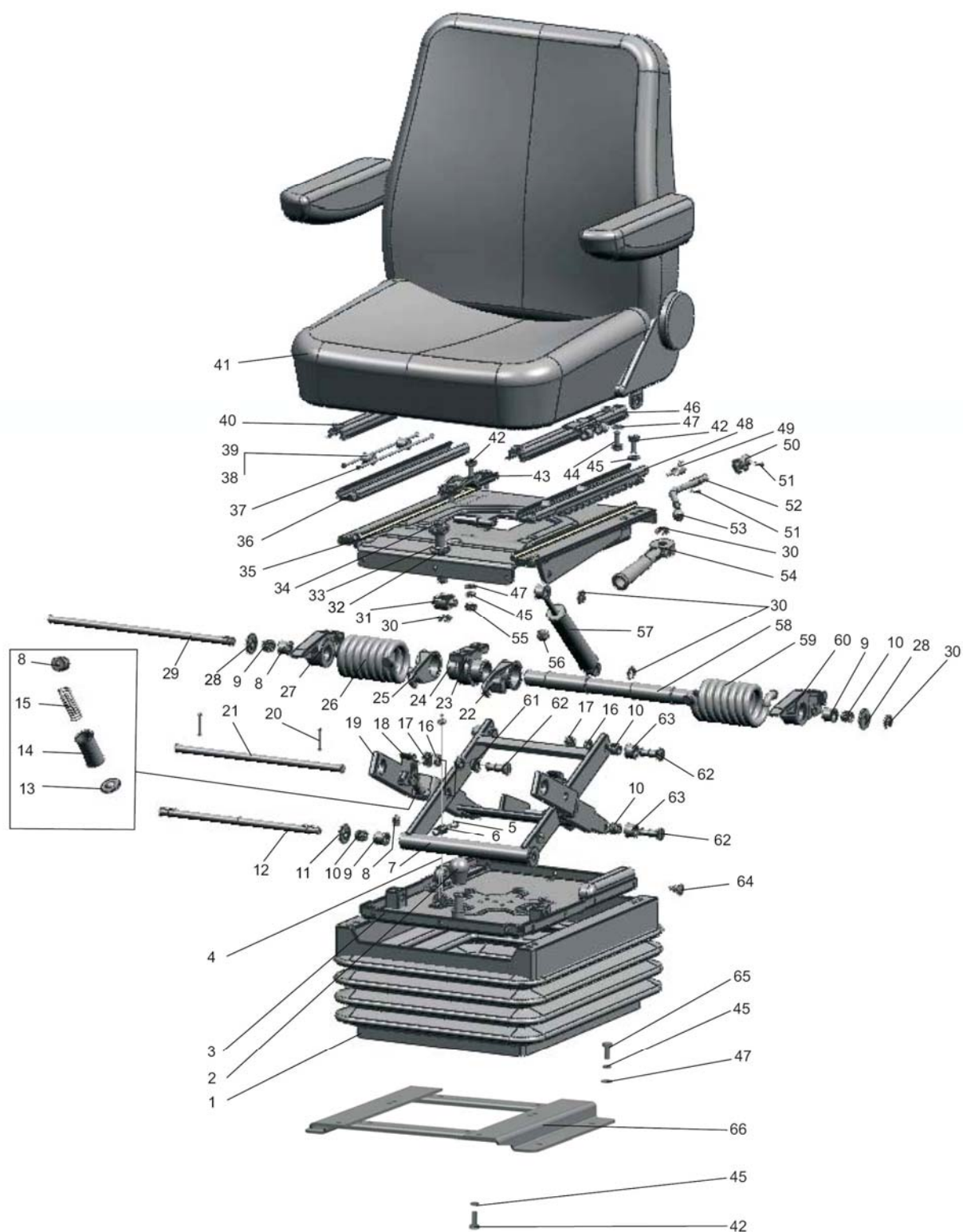


Fig.68.1. Operator's seat

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

Fig.	Pos.	Designation	Q-ty	Description
68.1	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	M8-6H.04.019 GOST 5916-70	1	Nut
	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	Bushing
	62	80V-6801528	6	Axle
	63	80V-6801032	4	Roller
	64	80-6800006	20	Button
	65	M8-6gx30.88.35.019 GOST 7796-70	4	Bolt
	66	80V-6807200	1	Bracket

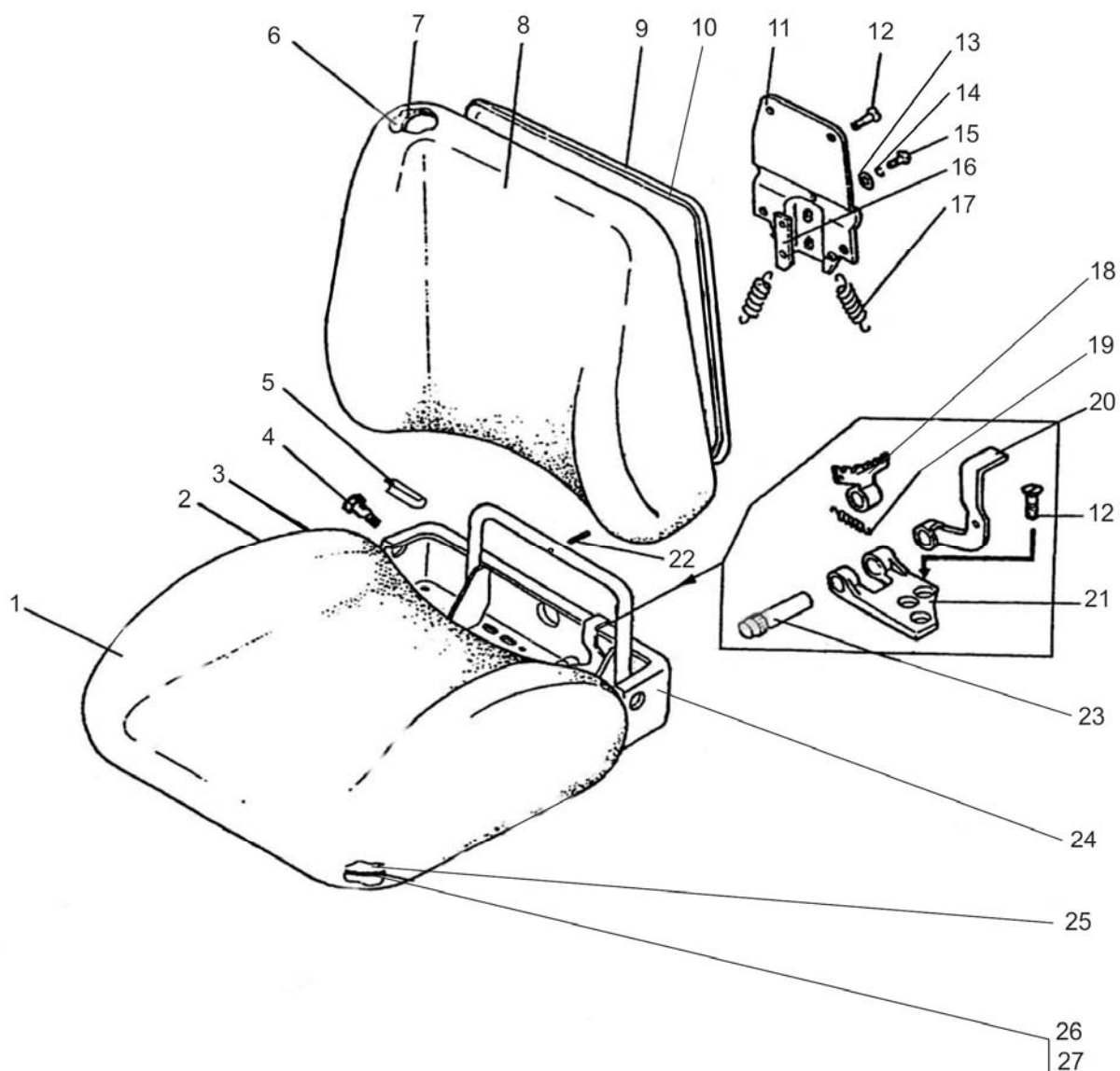


Fig.68.2. Operator's seat.

Group 68. Driver's seat
Subgroup 6804. Operator's seat

Fig.	Pos.	Designation	Q-ty	Description
68.2		80V-6804000	1	Seat (1-27)
	1	80V-6804500	1	Seat cover
	2	80V-6804003	1	Rod
	3	80V-6804009	1	Axle
	4	80V-6800106	2	Bolt
	5	80V-6804015	2	Bushing
	6	80V-6805001	1	Pad
	7	80V-6805002	1	Frame
	8	80V-6805500	1	Seat cover
	9	PPR26-04	1	Profile
	10	80V-6805010	1	Base
	11	80V-6804040	1	Support
	12	V.M8-6gx16.58.019 GOST 17475-80	7	Screw
	13	S 6.01.019 GOST 11371-78	2	Washer
	14	6T OST 37.001.115-75	2	Washer
	15	M6-6gx14.88.35.019 GOST 7798-70	2	Bolt
	16	80V-6804001	1	Latch
	17	80V-6804013-B	2	Spring
	18	80V-6804011	1	Comb
	19	50-1310158-B	1	Spring
	20	80V-6804080	1	Lever
	21	80-6708011	1	Hinge
	22	4x25.019 GOST 397-79	1	Split pin
	23	70-6708189-01	1	Axle
	24	80V-6804020	1	Panel
	25	80V-6804007	1	Pad
	26	80V-6804005	1	Frame
	27	PPR26-03	1	Profile

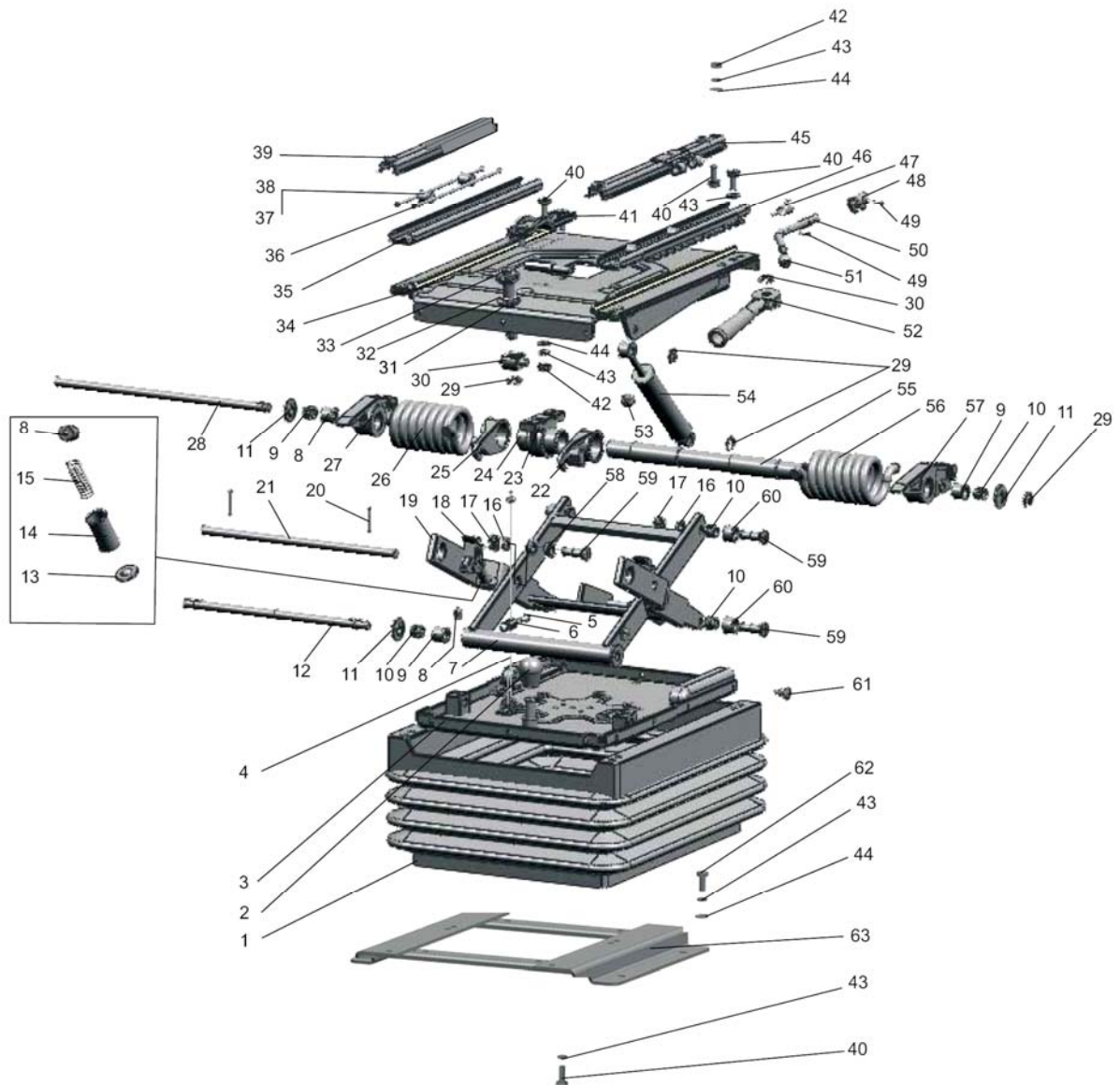


Fig.68.3. Seat suspension.

Group 68. Driver's seat
Subgroup 6801. Seat suspension

Fig.	Pos.	Designation	Q-ty	Description
68.3		80-6801500	1	Suspension
	1	80V-6800108	1	Seat cover
	2	A61.01.014	1	Handle
	3	80V-6801560	1	Base
	4	80V-6801240	1	Cable wire
	5	V.M5-6gx16.58.019 GOST 17473-80	2	Screw
	6	70-4803023	1	Coupling
	7	80V-6801590-B	1	Frame
	8	80V-6801521	4	Limit stop
	9	80V-6801512	4	Bushing
	10	K12x16x13E GOST 24310-80	8	Bearing
	11	80V-6801033	4	Washer
	12	80V-6801508	1	Axle
	13	80V-6801519	2	Thrust collar
	14	80V-6801518	2	Sleeve
	15	80V-6801530-B	2	Spring
	16	10 OT OST 37.001.115-75	6	Washer
	17	M10-6H.04.019 GOST 5919-73	6	Nut
	18	80V-6801581	2	Detent
	19	80V-6801570	1	Frame
	20	4x22.019 GOST 397-79	2	Split pin
	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-6801506	1	Axle
	29	70-6801307	5	Washer
	30	80V-6801023	1	Nut
	31	80V-6801008	1	Washer
	32	3,0-100 GOST 3722-81	22	Ball
	33	80V-6801152	1	Screw
	34	80-6801550	1	Panel
	35	80-6800104	1	Guide
	36	70-6804394-B	4	Rod
	37	70-6804391	4	Roller
	38	010-015-30-2-3 GOST 18829-73/9833-73	4	Ring
	39	80-6800110-01	1	Rail
	40	M8-6gx20.88.35.019 GOST 7796-70	15	Bolt
	41	80V-6801031	1	Stiffener
	42	M8-6H.04.019 GOST 5916-70	5	Nut
	43	8T OST 37.001.115-75	19	Washer
	44	S 8.01.019 GOST 11371-78	14	Washer
	45	80-6800110	1	Rail
	46	80-6800120	1	Guide
	47	80-6800103	1	Spring
	48	80-6800102	1	Stop member
	49	70-4202431-01	2	Dowel
	50	80-6800101	1	Handle
	51	70-6801082	1	Handle

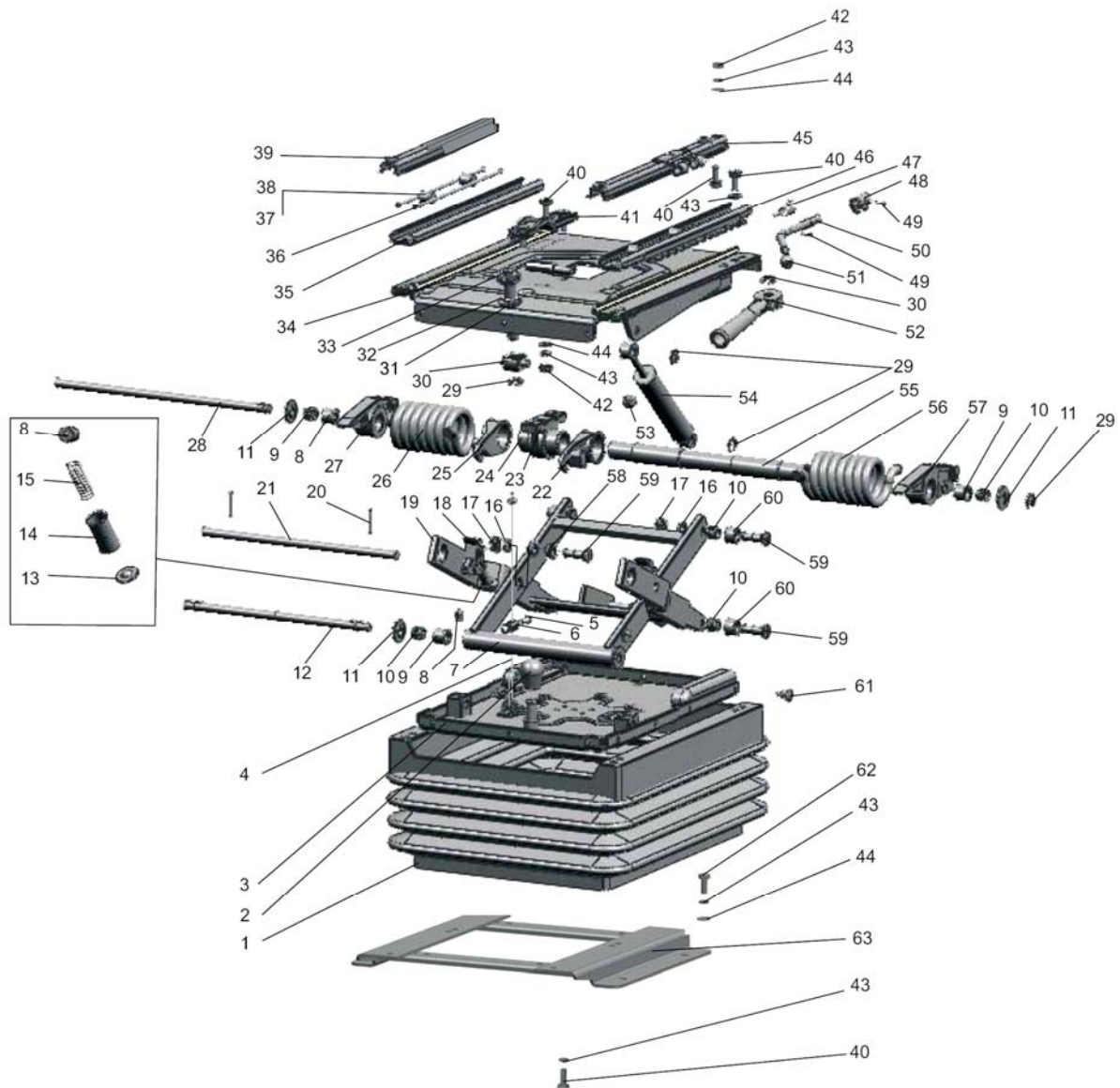


Fig.68.3. Seat suspension.

Group 68. Driver's seat
Subgroup 6801. Seat suspension

Fig.	Pos.	Designation	Q-ty	Description
68.3	52	80V-6801150	1	Handle
	53	80-6801531	6	Dashpot
	54	80-6809100-11	1	Shock adsorber
	55	80V-6801505	1	Shaft
	56	80V-6801002-01	1	Spring
	57	80V-6801507-01	1	Sector segment
	58	80V-6801526	4	Bushing
	59	80V-6801528	6	Axle
	60	80V-6801032	4	Roller
	61	80-6800006	20	Button
	62	M8-6gx30.88.35.019 GOST 7796-70	4	Bolt
	63	80V-6807200	1	Bracket

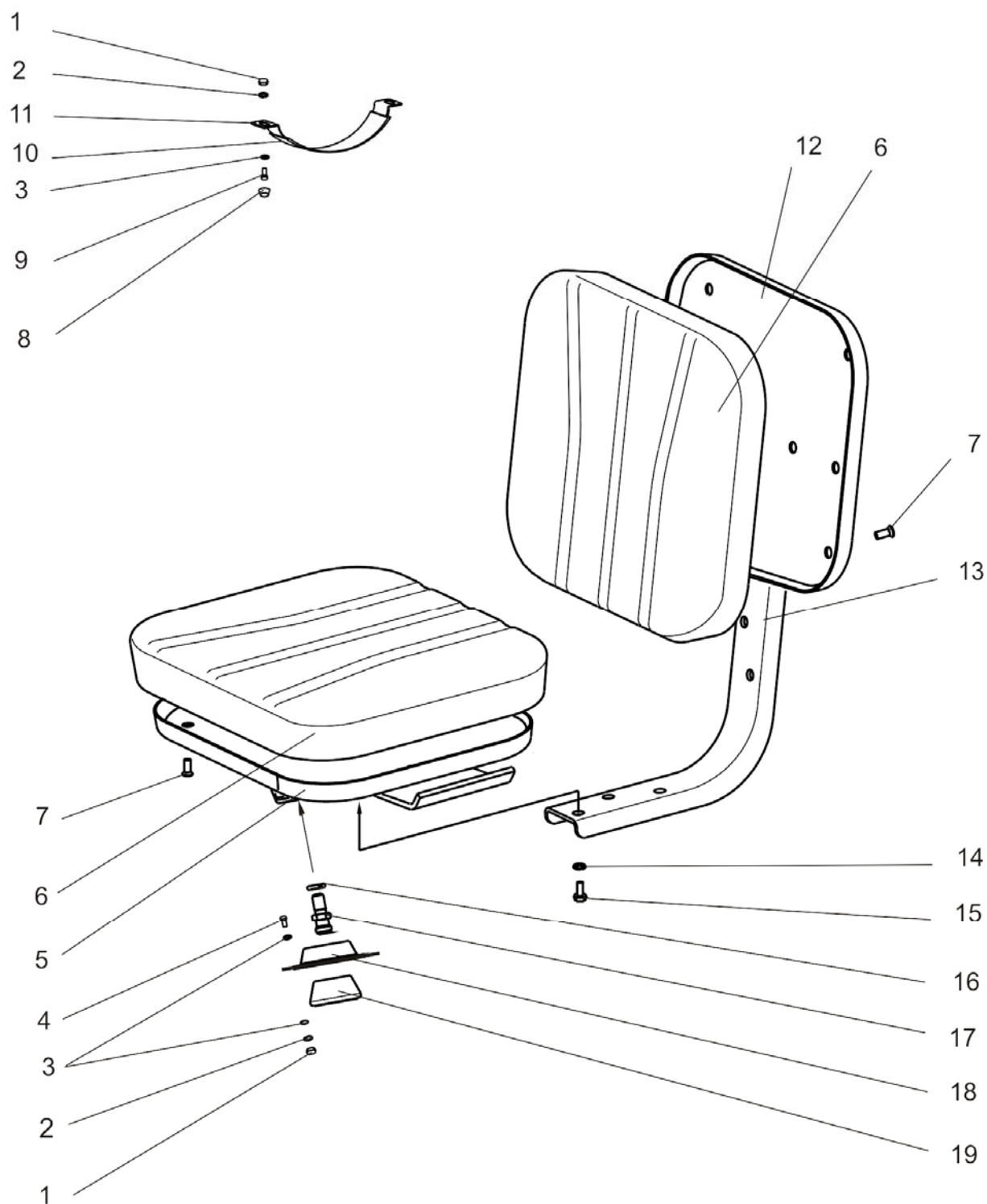


Fig.68.4. Additional seat.

Group 68. Driver's seat
Subgroup 6809. Additional seat

Fig.	Pos.	Designation	Q-ty	Description
68.4		1221-6809005	1	Additional seat
	1	M6-6H.6.019 GOST 5915-70	6	Nut
	2	6T OST 37.001.115-75	6	Washer
	3	S 6.01.019 GOST 11371-78	10	Washer
	4	M6-6gx30.88.35.019 GOST 7798-70	4	Bolt
	5	1221-6809020	1	Base
	6	2522-6809070	2	Pad
	7	V.M8-6gx16.58.019 GOST 17475-80	4	Screw
	8	A30.04.017	2	Cap
	9	M6-6gx16.88.35.019 GOST 7798-70	2	Bolt
	10	A37.08.019	1	Handrail sealant
	11	A37.07.011	1	Band
	12	2522-6809060	1	Base
	13	2522-6809006	1	Framework
	14	M8-6gx16.88.35.019 GOST 7796-70	6	Bolt
	15	8T OST 37.001.115-75	6	Washer
	16	10 OT OST 37.001.115-75	2	Washer
	17	70-6700031	2	Holder
	18	70-6700116	2	Onlay
	19	50-3711038	2	Headlight support



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

Fig.	Pos.	Designation	Q-ty	Description
81.1		950-8100010	1	Air-conditioner assembly
	1	950-8114010	1	Air-conditioner compressor
	3	1025-8112010	1	Condencer assembly
	4	1221.1-8101010-01	1	Heater-cooler assembly
	5	P80-4607013	1	Clamp
	6	80-3723045-01	12	Collar
	7	2822DZ-81000013-01	2	Hose (L=300 mm)
	8	3022-81000012	2	Hose (L=800 mm)
	9	3022-81000012-01	2	Hose (L=600 mm)
	11	MT8100000-01	1	Air-conditioner

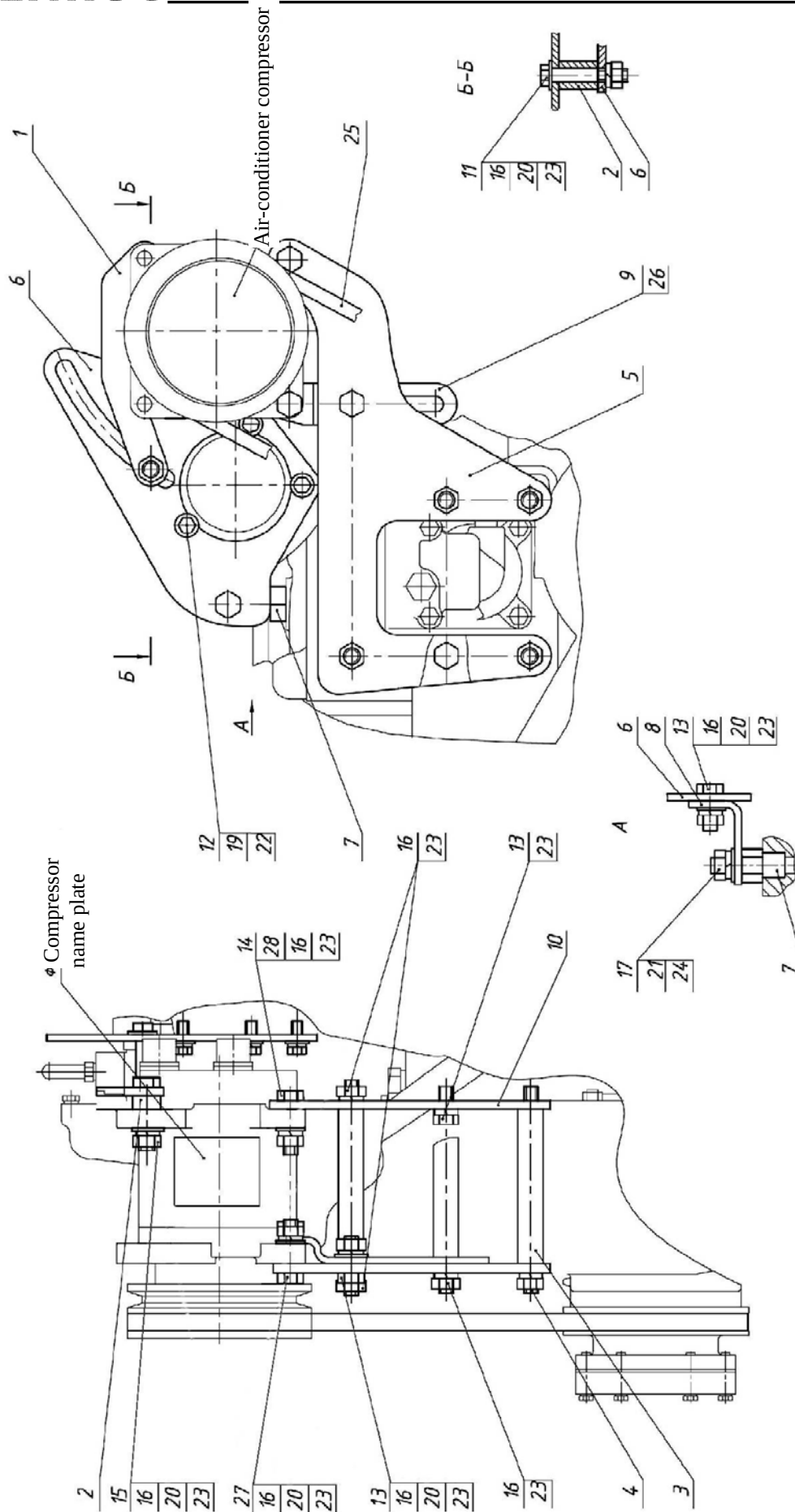


Fig.81.2 Compressor assembly

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

Fig.	Pos.	Designation	Q-ty	Description
81.2		950-8114010	1	Compressor assembly
	1	950-8114031	1	Lever
	2	950-8114011-01	1	Bushing
	3	950-8114015	1	Stud
	4	950-8114019	2	Stud
	5	950-8114012	1	Plate
	6	950-8114014	1	Sector segment
	7	1025-8114016	1	Adapter
	8	950-8114017	1	Angle piece
	9	950-8114018	1	Strip
	10	950-8114020	1	Plate
	11	M10-6gx70.88.35.019 GOST 7795-70	1	Bolt
	12	M8-6gx20.88.35.019 GOST 7796-70	3	Bolt
	13	M10-6gx25.88.35.019 GOST 7796-70	3	Bolt
	14	950-8114013	1	Bushing
	15	M10-6gx40.88.35.019 GOST 7796-70	3	Bolt
	16	M10-6H.6.019 GOST 5915-70	12	Nut
	17	M12-6H.6.019 GOST 5915-70	1	Nut
	19	S.8.01.019 GOST 11371-78	3	Washer
	20	S.10.01.019 GOST 11371-78	3	Washer
	21	S.12.01.019 GOST 11371-78	1	Washer
	22	8T OST 37.001.115-75	3	Washer
	23	10 OT OST 37.001.115-75	12	Washer
	24	12 OT OST 37.001.115-75	1	Washer
	25	AVX 13x1200	1	Belt
	26	950-8114011	2	Bushing
	27	950-8114032	1	Bolt
	28	950-8114032-01	1	Bolt

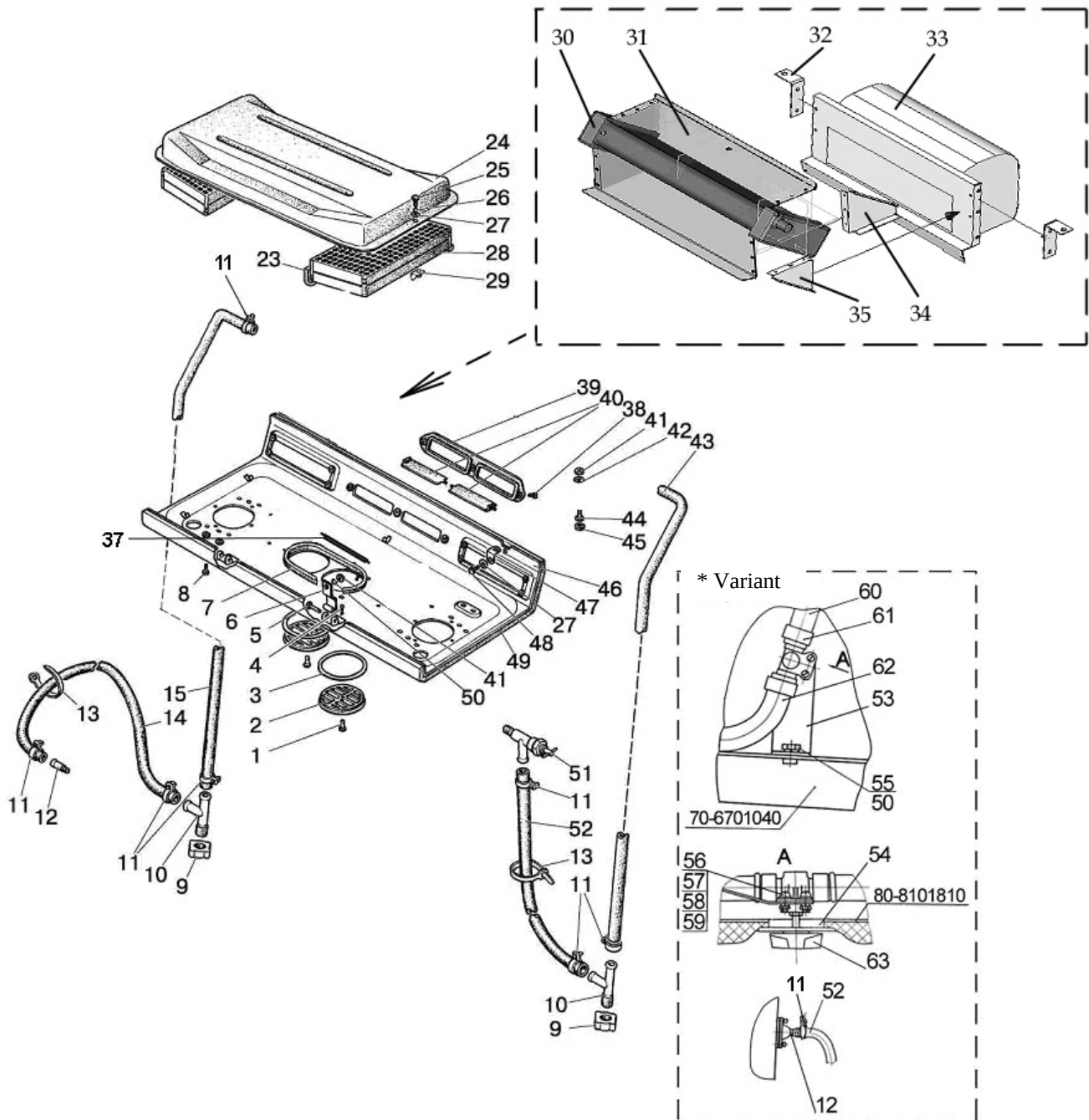


Fig.81.3. Heater

Group 81. Heater
Subgroup 8101. Heater

Fig.	Pos.	Designation	Q-ty	Description
81.3		80-8101200		Heater(23-35)
		80-8101810		Panel (1-8, 27, 37-40, 46, 47-49)
		80-8101830		Heater fittings (9-15, 43,51,52)
		1522-8101100-01		Fan heater (30-35)
	1	6x18 OST 37.001.163-75	2	Pin
	2	150.95.301	2	Air-distributor
	3	80-8100013	2	Onlay
	4	2x12.019 GOST 397-79	2	Split pin
	5	50-8400031	2	Axle
	6	80-8100048	2	Hinge
	7	80-8101714-07	1	Sealant
	8	2x12.019 GOST 397-79	2	Split pin
	9	80-8100052	2	Plug
	10	80-8100051	2	T-piece
	11	XC-23	8	Clamp
	12	80-8100023	1	Fitting
	13	80-3723045-01	3	Collar
	14	80-8102015-02	1	Hose L=1740 mm
	15	80-8101015	1	Hose L=2100 mm
	23	80-8101714-04	2	Sealant
	24	80-8101760	1	Cover
	25	M6-6gx20.88.35.019 GOST 7798-70	2	Bolt
	26	6T OST 37.001.115-75	11	Washer
	27	S 6.01.019 GOST 6958-78	4	Washer
	28	80-8104070	2	Filter
	29	80-8101820	1	Suspension
	30	1522-8101060 or	1	Heat exchanger
		90-8101060 or	1	Heat exchanger
		128-8101060	1	Heat exchanger
	31	1522-8101104	1	Cover
	32	80-8101201	2	Bracket
	33	3VI12-1 02	1	Fan
	34	1522-8101101	1	Gusset
	35	1522-8101102	1	Gusset
	37	80-8100014-01	1	Rod
	38	V.M6-6gx20.58.019 GOST 17474-80	6	Screw
	39	80-8100011-B	1	Cover
	40	80-8100012	2	Shutter
	41	M8-6H.6.019 GOST 5915-70	4	Nut
	42	S 8.01.019 GOST 6958-78	2	Washer
	43	80-8102015	1	Hose L=2230 mm
	44	M8-6gx35.88.35.019 GOST 7796-70	2	Bolt
	45	A30.04.017-01	2	Cap
	46	80-8100100	1	Panel
	47	70-6702111	2	Angle piece
	48	M6-6gx16.88.35.019 GOST 7798-70	2	Bolt
	49	80-8101713	1	Lining
	50	8T OST 37.001.115-75	4	Washer
	51	BC-11	1	Valve
	52	80-8102015-03	1	Hose L=550 mm
	53	80-8101021	1	Hose
	54	80-8101811	1	Onlay
	55	M8-6gx20.88.35.019 GOST 7796-70	2	Bolt
	56	V.M5-6gx10.58.019 GOST 17473-80	2	Screw

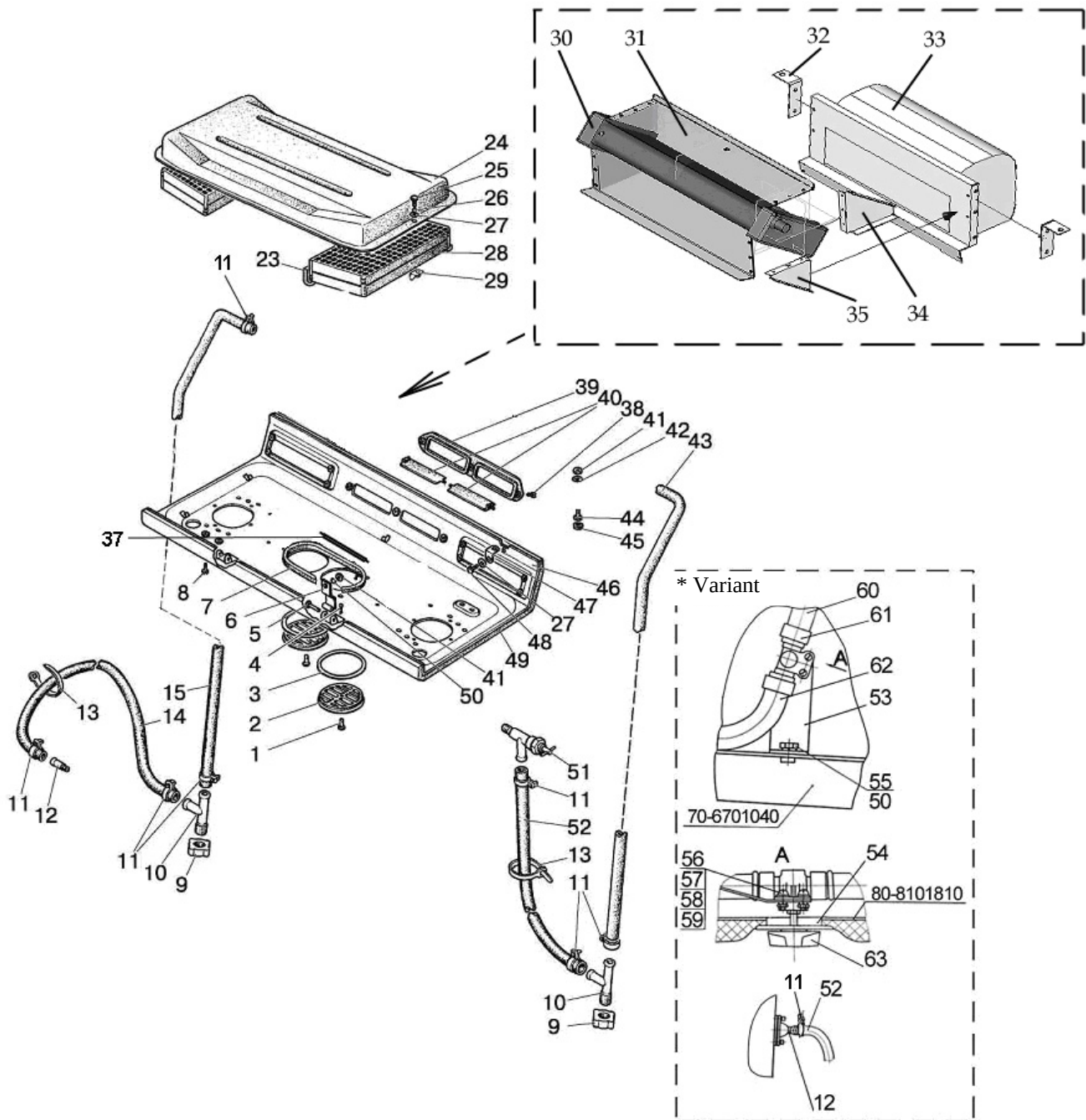


Fig.81.3. Heater

Group 81. Heater
Subgroup 8101. Heater

Fig.	Pos.	Designation	Q-ty	Description
81.3	57	M5-6H.6.019 GOST 5915-70	2	Nut
	58	S 5.01.019 GOST 11371-78	2	Washer
	59	5T OST 37.001.115-75	2	Washer
	60	822-8101021	1	Hose
	61	HS-23	2	Clamp
	62	80-8102015	1	Hose
	63	PO 11	1	Valve

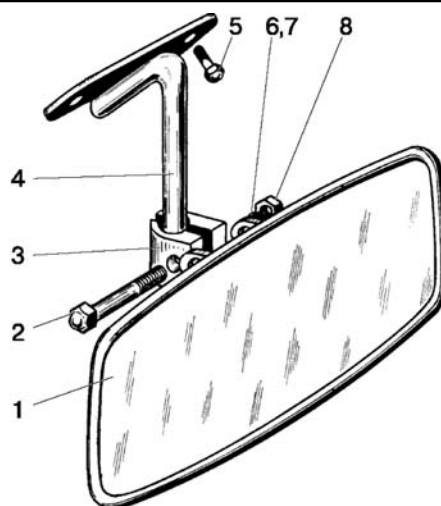


Fig.82.1. Inside rear-view mirror

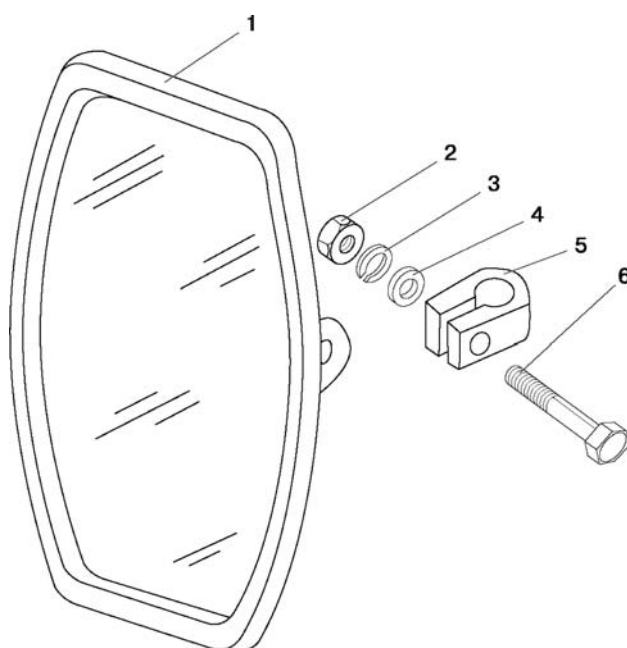


Fig.82.2. Lateral rear-view mirror

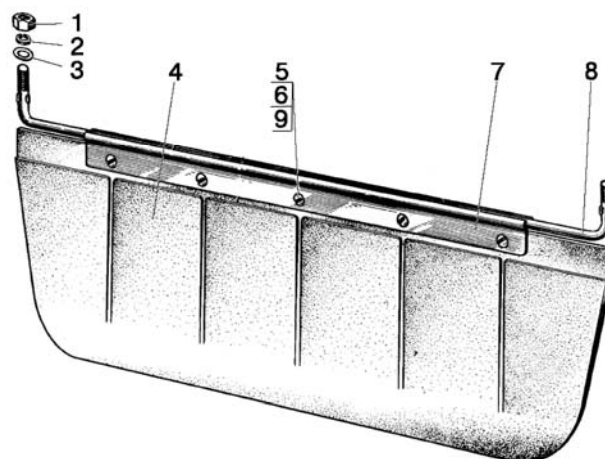


Fig.82.3. Sun visor

Group 82. Cab accessories
Subgroup 8201. Inside rear-view mirror

Fig.	Pos.	Designation	Q-ty	Description
82.1	1	80-8201035	1	Mirror
	2	M8-6gx30.88.35.019 GOST 7796-70	1	Bolt
	3	A30.04.071	1	Clamp
	4	80P-8201025	1	Bracket
	5	V.M6-6gx16.58.019 GOST 17473-80	2	Screw
	6	S 8.01.019 GOST 11371-78	1	Washer
	7	8T OST 37.001.115-75	1	Washer
	8	M8-6H.6.019 GOST 5915-70	1	Nut

Group 82. Cab accessories
Subgroup 8201. Outside rear view mirror

Fig.	Pos.	Designation	Q-ty	Description
82.2	1	80-8201055	2	Mirror
	2	M8-6H.6.019 GOST 5915-70	2	Nut
	3	8T OST 37.001.115-75	2	Washer
	4	S 8.01.019 GOST 11371-78	2	Washer
	5	A30.04.051	2	Clamp
	6	M8-6gx40.88.35.019 GOST 7795-70	2	Bolt

Group 82. Cab accessories
Subgroup 8204. Sun visor

Fig.	Pos.	Designation	Q-ty	Description
82.3		80P-8204010-01	1	Sun visor (4-8)
	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.M4-6gx8.58.019 GOST 17473-80	5	Screw
	6	M4-6H.6.019 GOST 5927-70	5	Nut
	7	70-8204014	2	Holder
	8	80P-8204011-01	1	Axle
	9	4 OST 37.001.115-75	5	Washer

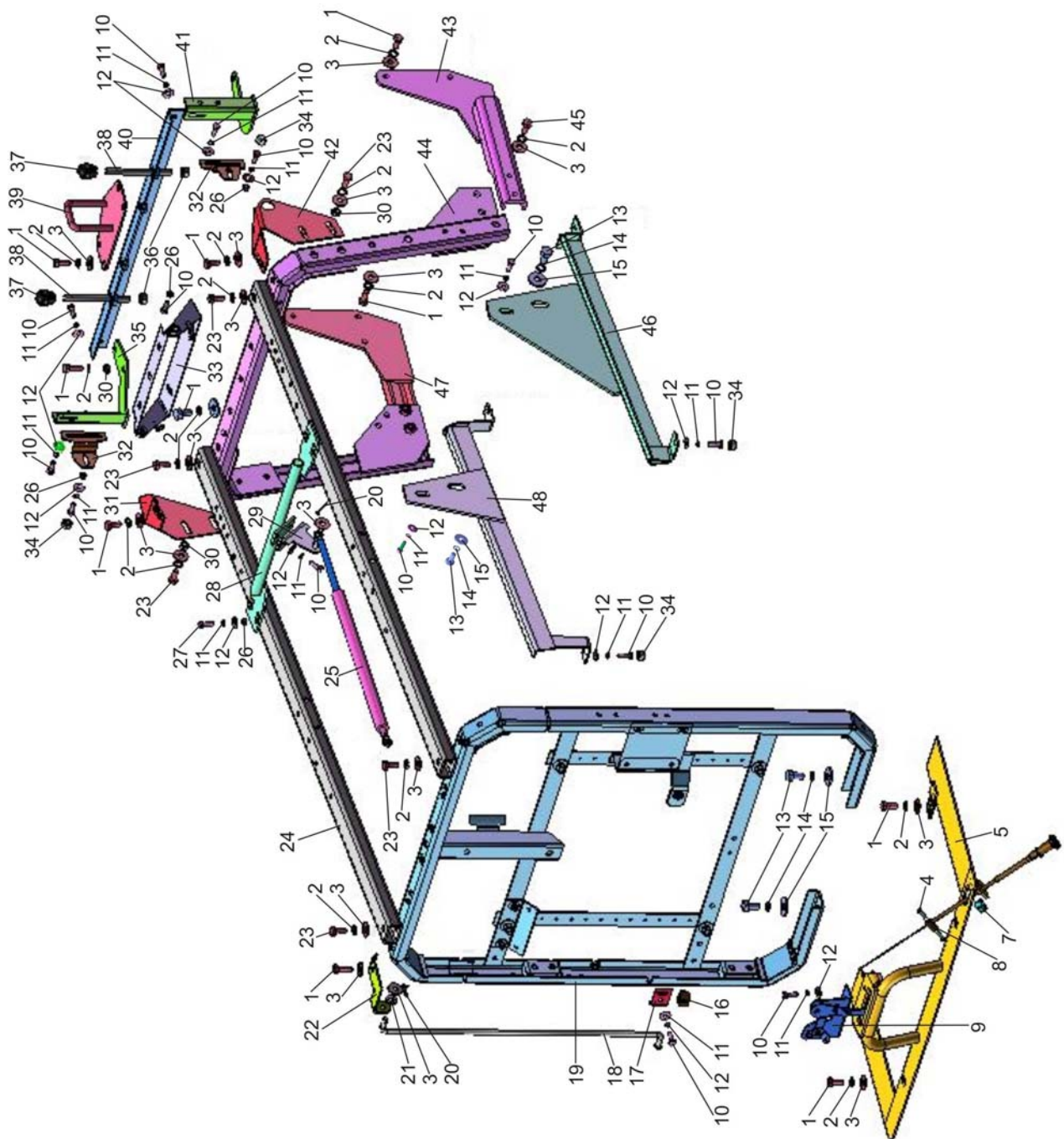


Fig. 84.1. Facing 922.4-8400005-02

Group 84. Hood and fenders
Subgroup 8400. Facing

Fig.	Pos.	Designation	Q-ty	Description
84.1	1	M8-6gx25.88.35.019 GOST 7796-70	13	Bolt
	2	8T OST 37.001.115-75	25	Washer
	3	S 8.01.019 GOST 6958-78	23	Washer
	4	V.M5-6gx20.58.019 GOST 17473-80	2	Screw
	5	921.3-8400040	1	Frame
	6	822-8400080	1	Control wire
	7	M12x1,25-6H.6.019 GOST 5915-70	1	Nut
	8	70-4803023	1	Coupling
	9	80-8402410	1	Lock
	10	M6-6gx20.88.35.019 GOST 7798-70	27	Bolt
	11	6T OST 37.001.115-75	31	Washer
	12	S 6.01.019 GOST 6958-78	31	Washer
	13	M10-6gx25.88.35.019 GOST 7796-70	10	Bolt
	14	10 OT OST 37.001.115-75	10	Washer
	15	S 10.01.019 GOST 6958-78	10	Washer
	16	90-8400021	1	Clamp
	17	921.3-8400102	1	Bracket
	18	90-8400070	1	Rod
	19	950.3-8402025-A	1	Frame
	20	3,2x20.019 GOST 397-79	2	Split pin
	21	549A-1305044	1	Ring
	22	921.3-8400101	1	Bracket
	23	M8-6gx45.88.35.019 GOST 7795-70	8	Bolt
	24	921.3-8400013-B	2	Tie-rod
	25 ¹⁾	11.5.6308010	1	Gas spring
		01625033A	1	Gas spring
	26	M6-6H.6.019 GOST 5915-70	8	Nut
	27	M6-6gx40.88.35.019 GOST 7795-70	4	Bolt
	28	921.3-8402150	1	Bracket
	29	80-6708225-01	1	Bracket
	30	M8-6H.6.019 GOST 5915-70	5	Nut
	31	921.3-8402071-01	1	Bracket
	32	952.3-8402067	2	Bracket
	33	921.3-8402080	1	Support
	34	A30.04.017	6	Cap
	35	952.3-8402060	1	Bracket
	36	M10-6H.6.019 GOST 5915-70	2	Nut
	37	70-3401093	2	Lever end
	38	923-8400033-02	2	Rod
	39	950.1-8402420	1	Clip
	40	952.3-8402070	1	Bracket
	41	952.3-8402065	1	Bracket
	42	921.3-8402071	1	Bracket
	43	952.3-8402080	1	Bracket
	44	952.3-8402050-A-01	1	Arc
	45	M8-6gx50.88.35.019 GOST 7795-70	4	Bolt
	46	952.3-8402470-A	1	Support
	47	952.3-8402080-01	1	Bracket
	48 ¹⁾	952.3-8402470-A-01	1	Support
		952.4-8402470	1	Support

¹⁾ on availability

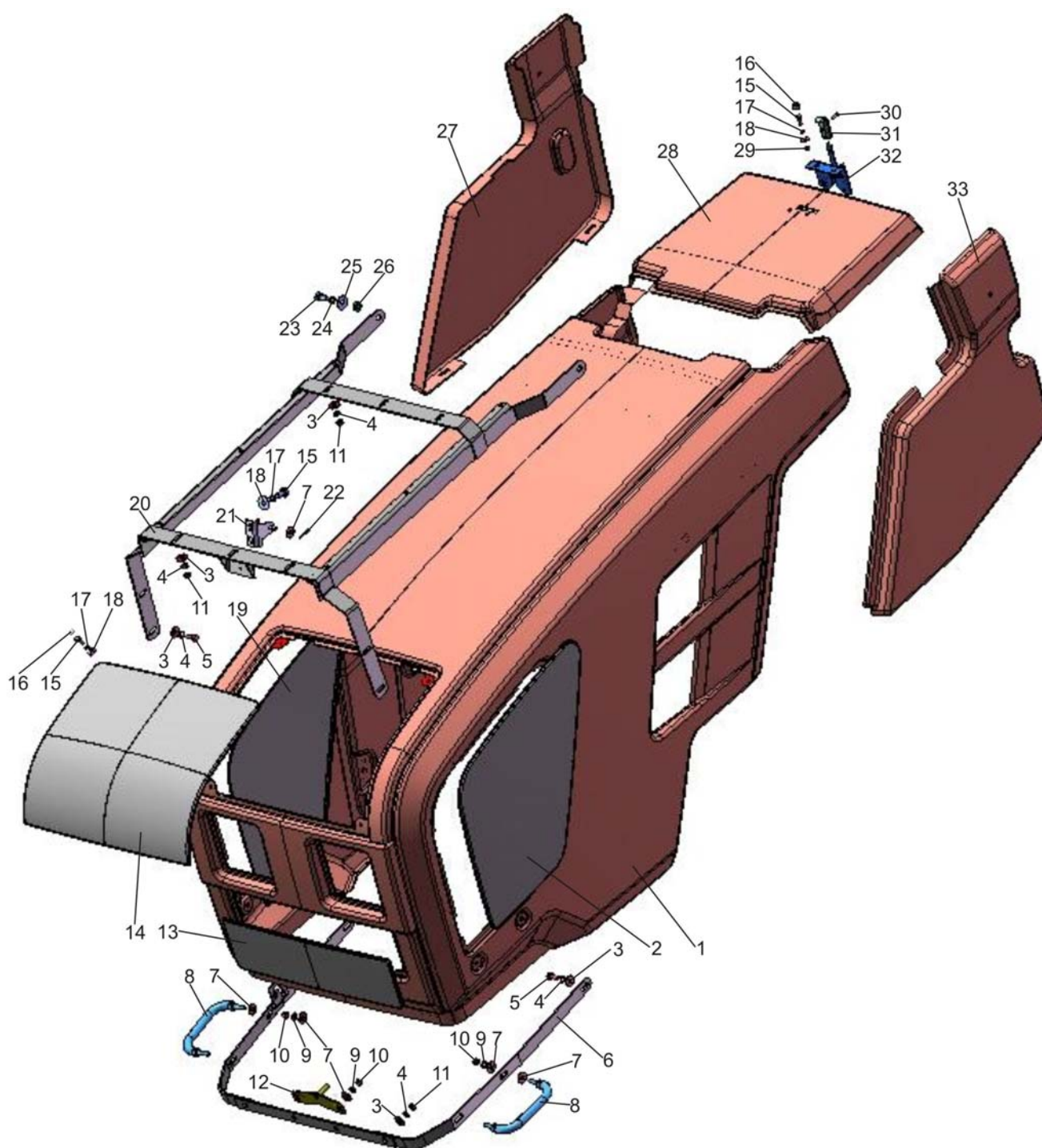


Fig. 84.2. Facing 922.4-8400005-02

Group 84. Hood and fenders
Subgroup 8400. Facing

Fig.	Pos.	Designation	Q-ty	Description
84.2	1 ²⁾	922.4-8402020	1	Hood
		922.4-8402020-B	1	Hood
	2	921.3-8400017	1	Grill
	3 ¹⁾	S 8.01.019 GOST 6958-78	16	Washer
	4 ¹⁾	8T OST 37.001.115-75	16	Washer
	5 ¹⁾	M8-6gx20.88.35.019 GOST 7796-70	6	Bolt
	6 ¹⁾	921.3-8400030	1	Bracket
	7	S 8.01.019 GOST 6958-78	11	Washer
	8	921.3-8402250-A	2	Handrail
	9	8T OST 37.001.115-75	6	Washer
	10	M8-6H.6.019 GOST 5915-70	4	Nut
	11 ¹⁾	M8-6H.6.019 GOST 5915-70	10	Nut
	12	921.3-8402095	1	Detent
	13	921.3-8401088	1	Grill
	14	921.3-8401090	1	Grill
	15	M6-6gx20.88.35.019 GOST 7798-70	8	Bolt
	16	A30.04.017	6	Cap
	17	6T OST 37.001.115-75	8	Washer
	18	S 6.01.019 GOST 6958-78	8	Washer
	19	921.3-8400017-01	1	Grill
	20 ¹⁾	921.3-8400020	1	Framework
	21	80-6708225-01	1	Bracket
	22	3,2x20.019 GOST 397-79	1	Split pin
	23	M10-6gx25.88.35.019 GOST 7796-70	2	Bolt
	24	10 OT OST 37.001.115-75	2	Washer
	25	S 10.01.019 GOST 6958-78	2	Washer
	26	921.3-8400077	2	Bushing
	27 ²⁾	952.3-8402310	1	Side member
		952.3-8402310-B	1	Side member
	28 ²⁾	952.3-8402330	1	Hatch
		952.3-8402330-B	1	Hatch
	29	M6-6H.6.019 GOST 5915-70	2	Nut
	30	4x10.019	1	Screw
	31	80-6105056	1	Handle
	32	80-8402410	1	Lock
	33 ²⁾	952.3-8402310-01	1	Side member
		952.3-8402310-B-01	1	Side member
¹⁾ as part of hood				
²⁾ on availability				

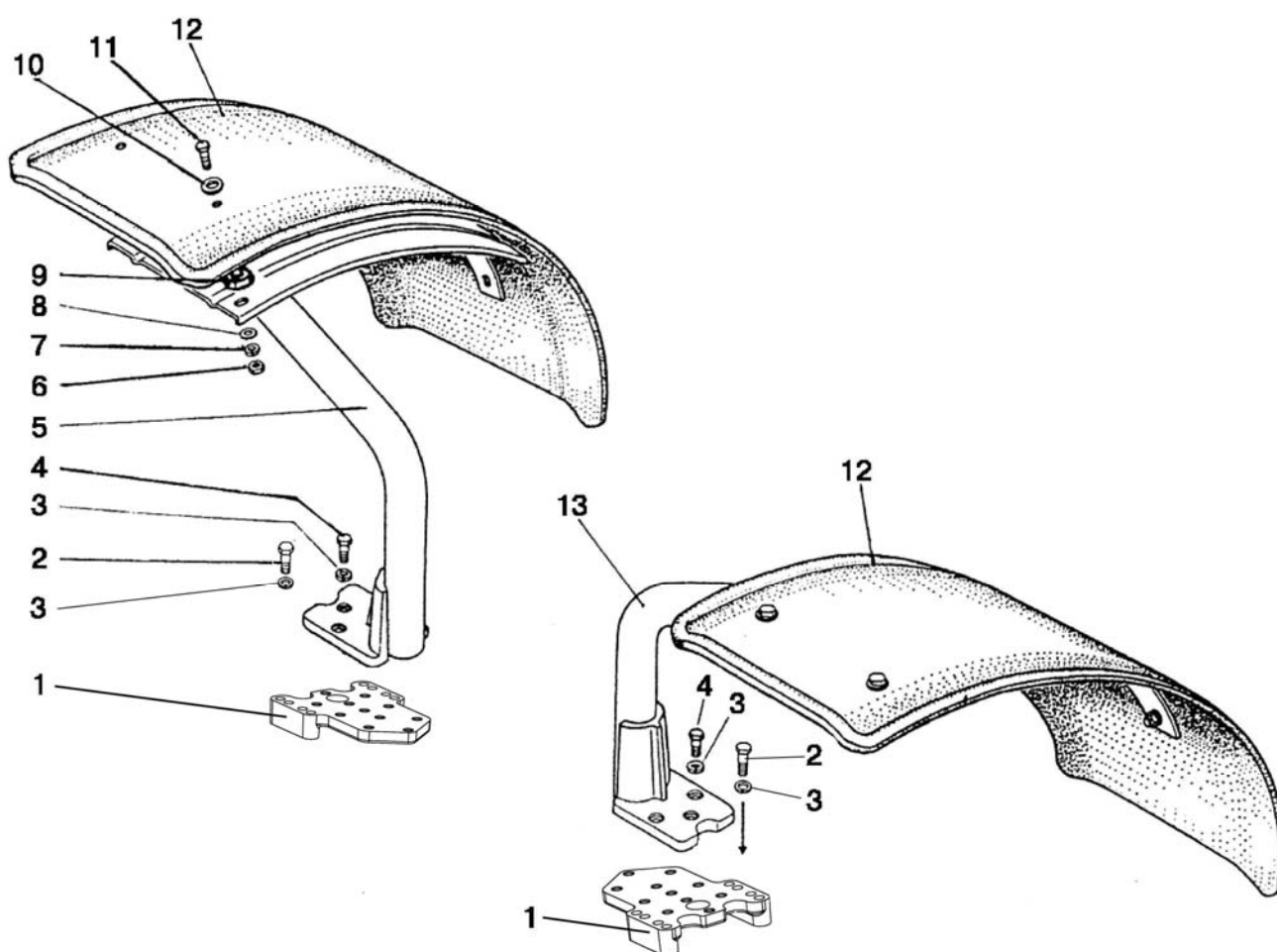


Fig.84.3. Front fenders (for FDA 822-2300020-02 with long axle tubes)

Group 84. Hood and fenders
Subgroup 8403. Front fenders
(for FDA 822-2300020-02 with long axle tubes)

Fig.	Pos.	Designation	Q-ty	Description
84.3		822-8403010-02/-03	1	Fender (1-13)
	1	822-8403011-B	2	Base
	2	M12-6gx60.88.35.019 GOST 7796-70	8	Bolt
	3	12 OT OST 37.001.115-75	14	Washer
	4	M12-6gx30.88.35.019 GOST 7796-70	6	Bolt
	5	822-8403015-01	1	Right post
	6	M10-6H.6.019 GOST 5915-70	10	Nut
	7	10L OST 37.001.115-75	10	Washer
	8	S 10.01.019 GOST 11371-78	10	Washer
	9	80-4616017	10	Roller
	10	S 10.01.019 GOST 6958-78	10	Washer
	11	M10-6gx40.88.35.019 GOST 7796-70	10	Bolt
	12	822-8403020 ¹⁾ or 822-8403020-B ¹⁾ or 1221-8403014-B-02 ²⁾ or 1221-8403014-B1-02 ²⁾	2	Fender
	13	822-8403015	1	Left post
¹⁾ if 13,6-20 or 13,6R20 tires are mounted ²⁾ if 360/70R24 tires are mounted				

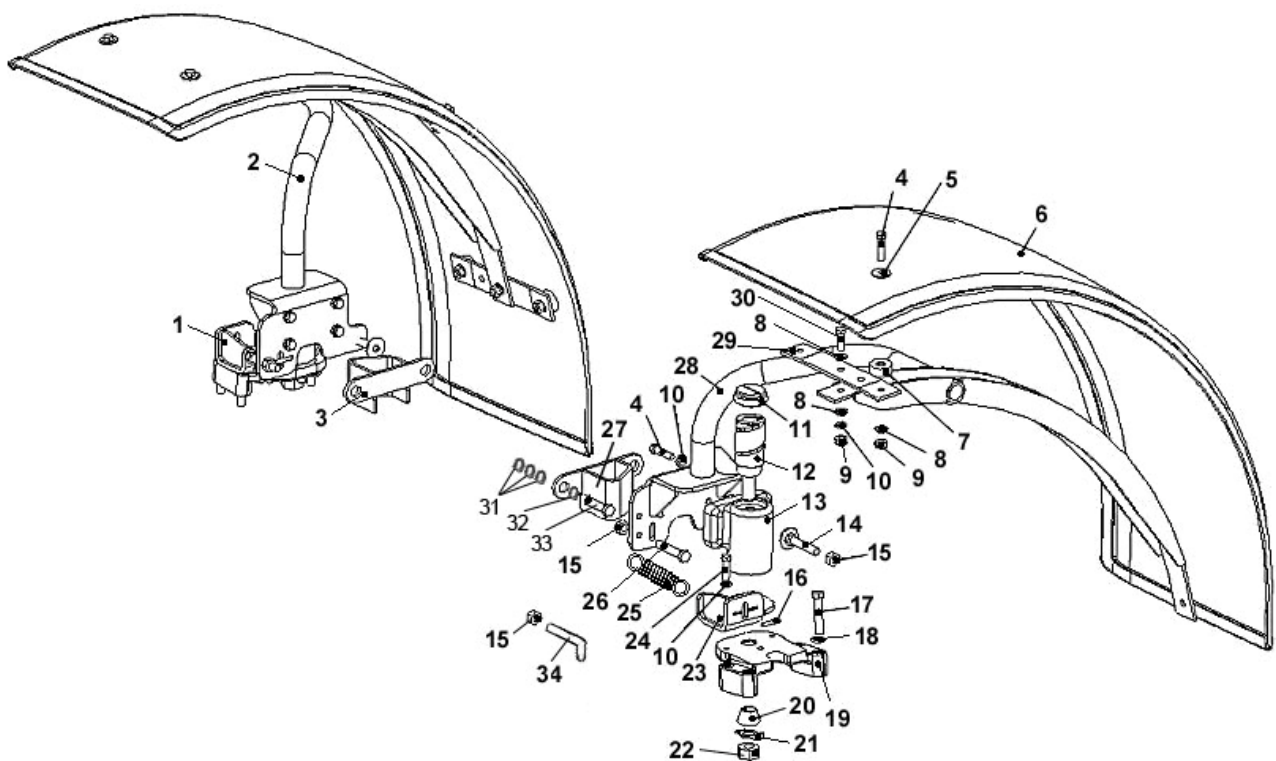


Fig. 84.4. Front fenders

Group 84. Hood and fenders**Subgroup 8403. Front fenders** (for FDA 822-2300020-04 with short axle tubes)

Fig.	Pos.	Designation	Q-ty	Description
84.4		822-8403100/-01	1	Fender
		822-8403100-B/-01	1	Fender
	1	822-8403110-01	1	Bracket
	2	822-8403115-01	1	Post
	3	822-8403120	1	Limit stop
	4	M10-6gx40.88.35.019 GOST 7796-70	20	Bolt
	5	S 10.01.019 GOST 6958-78	12	Washer
	6	822-8403114	2	Fender
	7	80-4616017	12	Roller
	8	S 10.01.019 GOST 11371-78	24	Washer
	9	M10-6H.6.019 GOST 5915-70	18	Nut
	10	10 OT OST 37.001.115-75	16	Washer
	11	822-8403109	2	Blind plug
	12	822-8403107	2	Axle
	13	822-8403106	1	Bracket
	14	822-8403130	2	Limit stop
	15	M12-6H.6.019 GOST 5915-70	4	Nut
	16	822-8403101	4	Dowel
	17	M12-6gx60.88.35.019 GOST 7796-70	8	Bolt
	18	12 OT OST 37.001.115-75	8	Washer
	19	822-8403108	2	Base
	20	822-8403129	2	Bushing
	21	20 OT OST 37.001.115-75	2	Washer
	22	M20-6H.6.019 GOST 5915-70	2	Nut
	23	822-8403110	1	Bracket
	24	M10-6gx35.88.35.019 GOST 7796-70	2	Bolt
	25	822-8403102	2	Spring
	26	M12-6gx50.88.35.019 GOST 7795-70	2	Bolt
	27	822-8403120-01	1	Limit stop
	28	822-8403115	1	Post
	29	822-8403104	6	Strip
	30	M10-6gx30.88.35.019 GOST 7796-70	6	Bolt
	31	C10.01.019 GOST 6958-78	12	Washer
	32	16 OT OST 37.001.115-75	4	Washer
	33	M16-6gx32.88.35.015 GOST 7796-70	4	Bolt
	34	822-8403103	2	Limiter

For fenders
822-8403100-B/-01

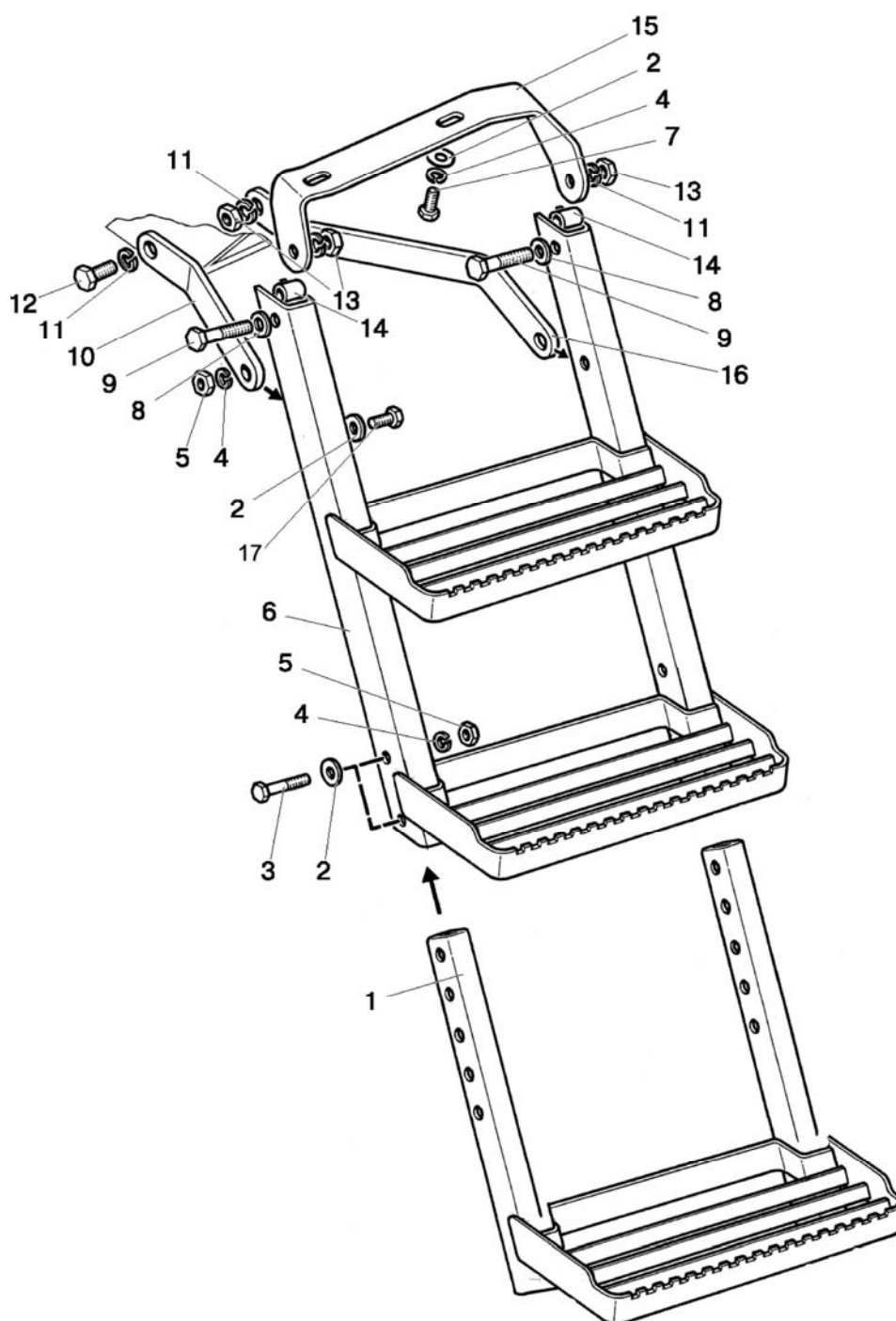


Fig. 84.5. Foot step

Group 84. Hood and fenders
Subgroup 8405. Foot step

Fig.	Pos.	Designation	Q-ty	Description
84.5		80-8405005-B	1	Left foot step (1-16)
	1	80-8405020-A2	1	Foot step
	2	S 10.01.019 GOST 11371-78	8	Washer
	3	M10-6gx50.88.35.019 GOST 7795-70	4	Bolt
	4	10 OT OST 37.001.115-75	8	Washer
	5	M10-6H.6.019 GOST 5915-70	6	Nut
	6	80-8405010-AZ	1	Foot step
	7	M10-6gx25.88.35.019 GOST 7796-70	2	Bolt
	8	S 12.01.019 GOST 11371-78	2	Washer
	9	M12-6gx60.88.35.019 GOST 7796-70	2	Bolt
	10	80-8405031-B	1	Bracket
	11	12 OT OST 37.001.115-75	4	Washer
	12	M12-6gx30.88.35.019 GOST 7796-70	2	Bolt
	13	M12-6H.6.019 GOST 5915-70	3	Nut
	14	923-6700111	2	Bushing
	15	80-8405030-B	1	Bracket
	16	80-8405032-B	1	Bracket
	17	M10-6gx30.88.35.019 GOST 7796-70	2	Bolt

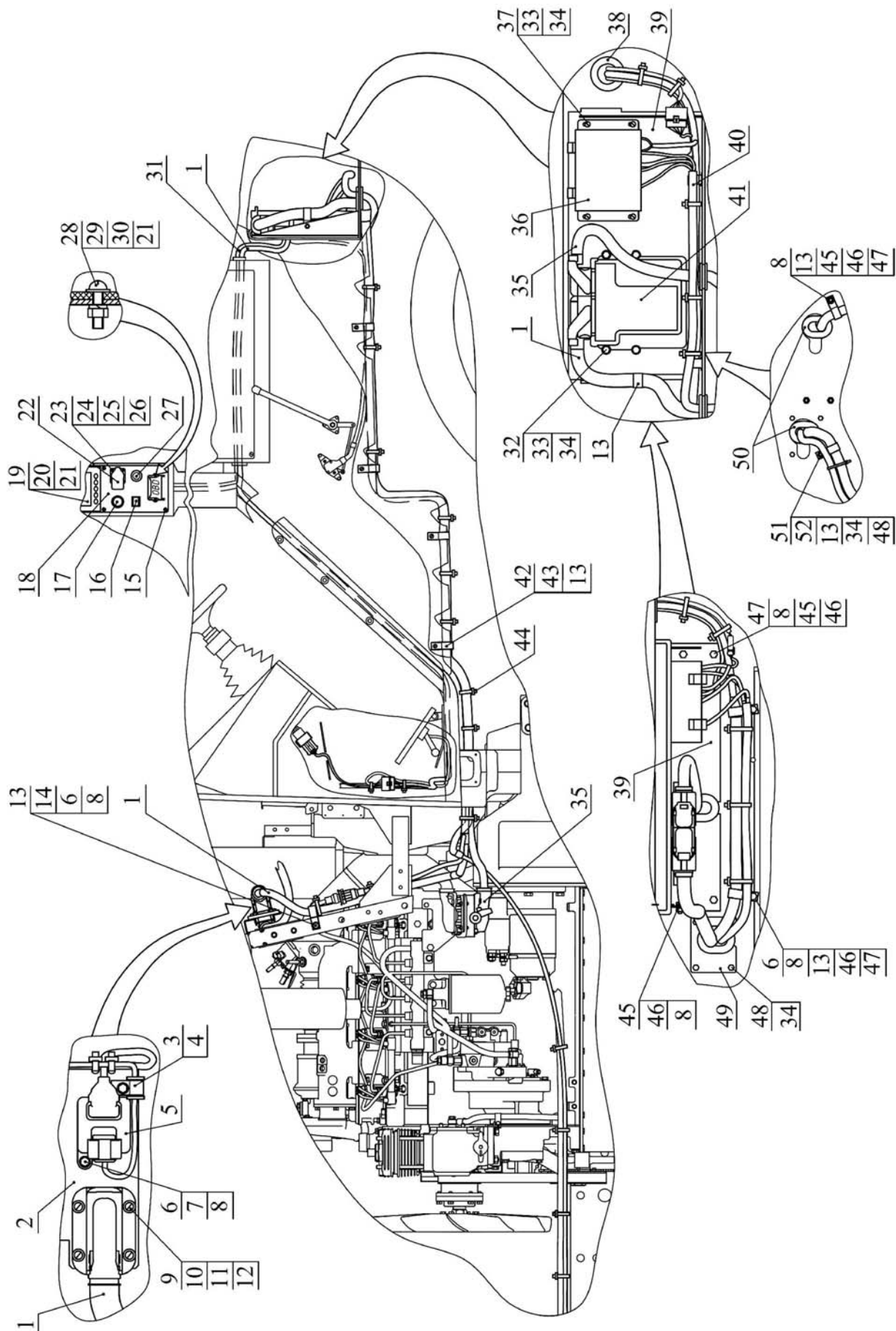


Fig. 87.1. Engine control (1025.5-8700910-M)



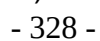
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Group 87. Control system
Subgroup 8700. Engine control
(with SCR «BOSCH – BESG»)

Fig.	Pos.	Designation	Q-ty	Description
87.1, 87.2		1025.5-8700910-M		Engine control
		1025.5-8700910-M-01 ²⁾		
	1	1025.5-3724960-M	1	Bundled cable
	2	1025.5-8700925-M	1	Bracket
	3	70-1115012-01	2	Clamp
	4	70-3506027	2	Bushing
	5	Nox 0452 C20 4RY-00 ¹⁾	2	Sensor
	6	M8-6gx20.88.35.019 GOST 7796-70	8	Bolt
	7	S 8.01.019 GOST 11371-78	6	Washer
	8	8T OST 37.001.115-75	14	Washer
	9	V.M5-6gx20.58.019 GOST 17473-80	4	Screw
	10	M5-6H.6.019 GOST 5927-70	4	Nut
	11	S 5.01.019 GOST 11371-78	4	Washer
	12	5T OST 37.001.115-75	4	Washer
	13	923-3723012	12	Clamp
	14	S 8.01.019 GOST 6958-78	8	Washer
	15	V.M4-6gx20.58.019 GOST 17474-80	6	Screw
	16	2202.3803-34 TU 37.003.1109-8212.3803-31 or 12.3803-31 TU RB 300228919.037-2002	1	Orange pilot lamp
	17	116.3725 TU 37.466.139-2004	1	Lighter
	18	1221.4-8700916-M	1	Panel
	19	948035	1	Information monitor
	20	V.M4-6gx10.58.019 GOST 17473-80	4	Screw
	21	4 OST 37.001.115-75	6	Washer
	22	25.038.100	1	Socket
	23	V.M3-6gx16.58.019 GOST 17473-80	4	Screw
	24	M3-6H.6.019 GOST 5927-70	4	Nut
	25	S 3.01.019 GOST 11371-78	4	Washer
	26	3T OST 37.001.115-75	4	Washer
	27	VK12-1 TSIKS 642241.001 TU	1	Switch
	28	V.M4-6gx16.58.019 GOST 17473-80	2	Screw
	29	M4-6H.6.019 GOST 5927-70	2	Nut
	30	S 4.01.019 GOST 11371-78	2	Washer
	31	1221.4-3724801	1	Bundled cable
	32	M6-6gx30.88.35.019 GOST 7798-70	4	Bolt
	33	S 6.01.019 GOST 11371-78	9	Washer
	34	6T OST 37.001.115-75	17	Washer
	35	245-3724312 ¹⁾	1	Cable bundle extension
	36	BKZ-1221.5 TU BY 190431397.003-2008	1	Protection and switching unit of the series 1000 SCR
	37	V.M6-6gx20.58.019 GOST 17473-80	4	Screw
	38	1025.5-8700914	1	Bushing
	39	1221.5-8700940-M	1	Bracket
	40	1025.5-3724845-M	1	Bundled cable
	41	EDC 17 CV54 ¹⁾	1	Control unit
	42	A37.10.031	4	Threaded rivet nut
	43	2-4x16.019 GOST 1144-80	4	Screw
	44	80-3723045-01	35	Collar
	45	M8-6gx16.88.35.019 GOST 7796-70	6	Bolt
	46	M8-6H.6.019 GOST 5915-70	10	Nut
	47	S 8.01.019 GOST 6958-78	8	Washer
	48	M6-6gx20.88.35.019 GOST 7798-70	8	Bolt
	49	1221.5-8700912-M	1	Plate
	50	1221.4-8700913	2	Ring

Group 87. Control system
Subgroup 8700. Engine control
(with SCR «BOSCH – BESG»)

Fig.	Pos.	Designation	Q-ty	Description
87.1, 87.2	51	M6-6H.6.019 GOST 5927-70	1	Nut
	52	S 6.01.019 GOST 6958-78	5	Washer
	53	1522-8700212	4	Clip
	54	50-3723021	1	Clip
	55	1025.5-3724980-M	1	Bundled cable
	56	0452 S20 4TD-00 ¹⁾	1	Temperature sensor
	57	0452 S20 4YF-00 ¹⁾	1	Ambient temperature sensor
	58	1025.5-8700930-M	1	Bracket
	59	1025.4-3724966-M ²⁾	1	Bundled cable
¹⁾ included into MMZ engine set				
²⁾ with joystick control of hydraulic system distributor				



Top view

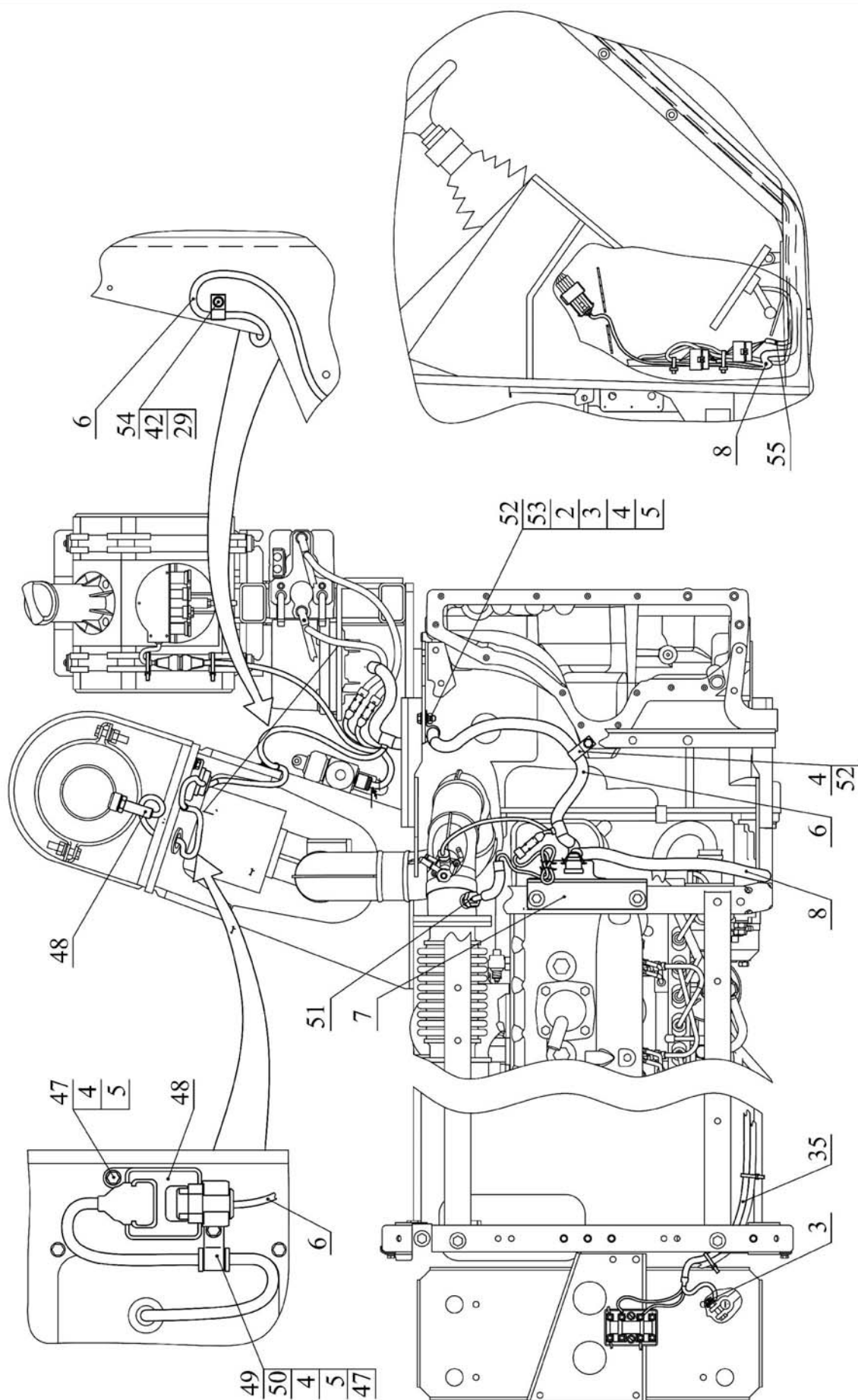


Fig. 87.4. Engine control (1025.5-8700910-E) (continuation)

Group 87. Control system
Subgroup 8700. Engine control
(with SCR «ROSSKATauto-EMITEC»)

Fig.	Pos.	Designation	Q-ty	Description
87.3, 87.4		1025.5-8700910-E		Engine control
		1025.5-8700910-E-01 ²⁾		
	1	70-1115012-03	1	Clamp
	2	M8-6gx20.88.35.019 GOST 7796-70	4	Bolt
	3	M8-6H.6.019 GOST 5915-70	11	Nut
	4	S 8.01.019 GOST 11371-78	5	Washer
	5	8T OST 37.001.115-75	12	Washer
	6	1025.5-3724980-E	1	Bundled cable
	7	1025.5-8700926-E	1	Bracket
	8	1025.5-3724960-E	1	Bundled cable
	9	V.M4-6gx20.58.019 GOST 17474-80	6	Screw
	10	2202.3803-34 TU 37.003.1109-8212.3803-31 or 12.3803-31 TU RB 300228919.037-2002	1	Orange pilot lamp
	11	116.3725 TU 37.466.139-2004	1	Lighter
	12	1221.4-8700916-M	1	Panel
	13	948035	1	Information monitor
	14	V.M4-6gx10.58.019 GOST 17473-80	4	Screw
	15	4 OST 37.001.115-75	6	Washer
	16	25.038.100	1	Socket
	17	V.M3-6gx16.58.019 GOST 17473-80	4	Screw
	18	M3-6H.6.019 GOST 5927-70	4	Nut
	19	S 3.01.019 GOST 11371-78	4	Washer
	20	3T OST 37.001.115-75	4	Washer
	21	VK12-1 TSIKS 642241.001 TU	1	Switch
	22	V.M4-6gx16.58.019 GOST 17473-80	2	Screw
	23	M4-6H.6.019 GOST 5927-70	2	Nut
	24	S 4.01.019 GOST 11371-78	2	Washer
	25	1221.4-3724801	1	Bundled cable
	26	923-3723012	9	Clamp
	27	M6-6gx30.88.35.019 GOST 7798-70	4	Bolt
	28	S 6.01.019 GOST 11371-78	8	Washer
	29	6T OST 37.001.115-75	14	Washer
	30	245-3724312 ¹⁾	1	Cable bundle extension
	31	BKZ-1221.5 TU BY 190431397.003-2008	1	Protection and switching unit of the series 1000 SCR
	32	V.M6-6gx20.58.019 GOST 17473-80	4	Screw
	33	1025.5-8700914	1	Bushing
	34	1221.5-8700940-M	1	Bracket
	35	1025.5-3724845-M	1	Bundled cable
	36	EDC 17 CV54 ¹⁾	1	Control unit
	37	A37.10.031	4	Threaded rivet nut
	38	2-4x16.019 GOST 1144-80	4	Screw
	39	80-3723045-01	36	Collar
	40	M8-6gx16.88.35.019 GOST 7796-70	6	Bolt
	41	S 8.01.019 GOST 6958-78	7	Washer
	42	M6-6gx20.88.35.019 GOST 7798-70	5	Bolt
	43	1221.5-8700912-M	1	Plate
	44	1221.4-8700913	2	Ring
	45	M6-6H.6.019 GOST 5927-70	1	Nut
	46	S 6.01.019 GOST 6958-78	1	Washer
	47	M8-6gx25.88.35.019 GOST 7796-70	2	Bolt
	48	NOx V OG 40445690 ¹⁾	1	Sensor
	49	70-1115012-01	1	Clamp

Group 87. Control system
Subgroup 8700. Engine control
(with SCR «ROSSKATauto-EMITEC»)

Fig.	Pos.	Designation	Q-ty	Description
87.3, 87.4	50	70-3506027	1	Bushing
	51	OG 1BWZ000485 ¹⁾	1	Temperature sensor
	52	822-3723044	2	Clamp
	53	PR-32	1	Sealant
	54	70-1115012-04	1	Clamp
	55	1025.4-3724966-M ²⁾	1	Bundled cable
¹⁾ included into MMZ engine set				
²⁾ with joystick control of hydraulic system distributor				

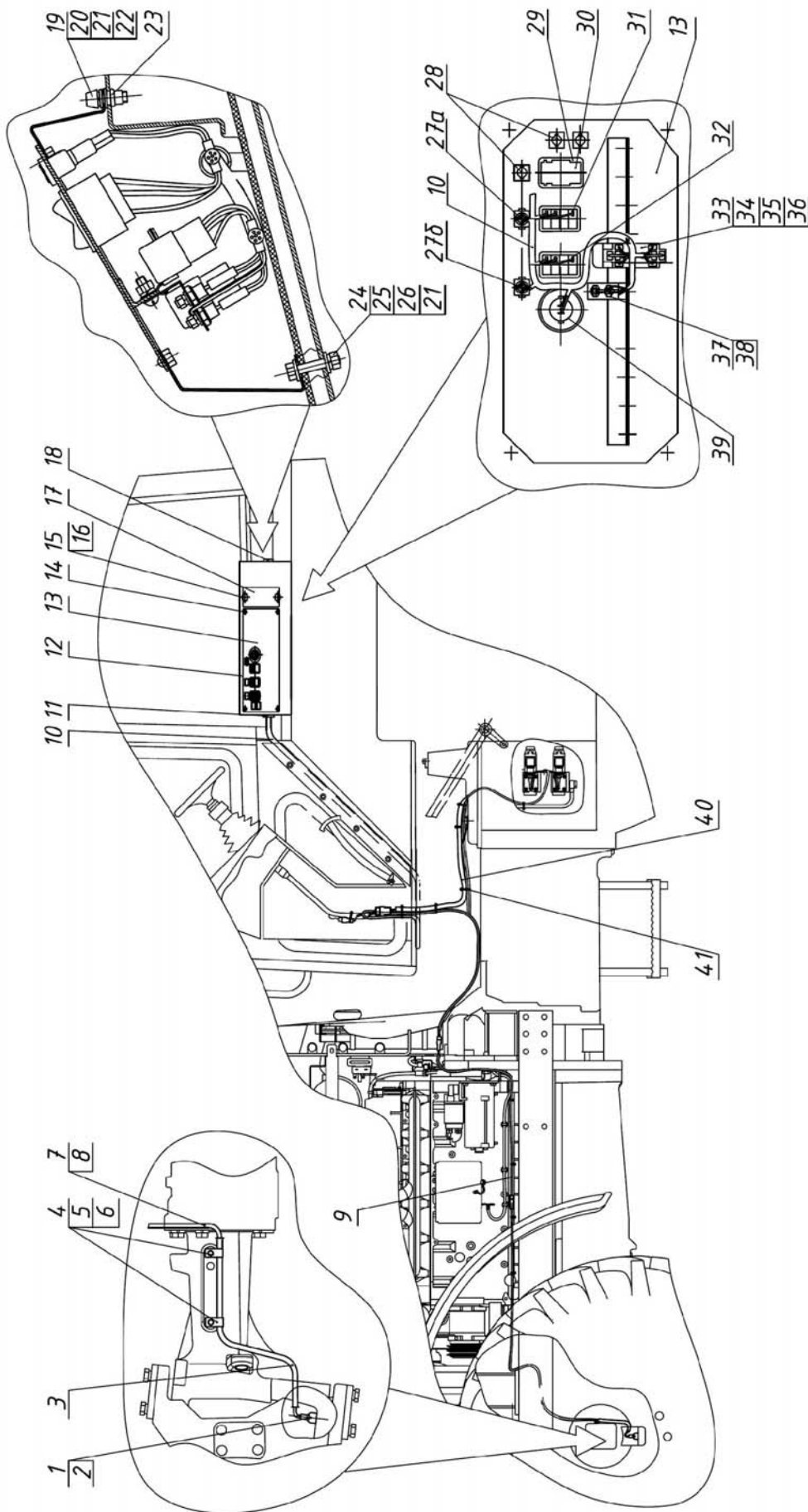


Fig. 87.5. DL and PTO control

Group 87. Control system
Subgroup 8700. Rear axle DL and PTO control
 (electric)

Fig.	Pos.	Designation	Q-ty	Description
87.5		952.4-8700310		DL and PTO control
	1	50-1702048	10max	Shim washer
	2	151.3710 TU BY 700091832.018-2009 or VK 12-51 TU RB 37334210.004-97	1	Open switch with ball
	3	822-8700021	1	Pipe
	4	1221-8700022	2	Clamp
	5	M8-6gx16.88.35.019 GOST 7796-70	2	Bolt
	6	8T OST 37.001.115-75	2	Washer
	7	1221-3724840-V	1	Bundled cable
	8	602602 OST 37.003.032 - 88	1	Female receptacle
	9	1025-3724850	1	Bundled cable
	10	952.4-3724820	1	Bundled cable
	11	50-4607064	1	Bushing
	12	1022-8700290	1	Panel
	13	1221-8700265	1	Panel
	14	V.M6-6gx20.58.019 GOST 17474-80	4	Screw
	15	80-3805065	2	Screw
	16	006-010-25-1-4 GOST 18829-73/GOST 9833-73	2	Ring
	17	1221-8700275	1	Dashboard
	18	70-3723042-01	1	Bushing
	19	A30.04.017	2	Cap
	20	M6-6gx16.88.35.019 GOST 7798-70	2	Bolt
	21	6T OST 37.001.115-75	4	Washer
	22	S6.01.019GOST 11371-78	2	Washer
	23	M6x16 TU BY 161.01-2008	2	Rivet-nut
	24	M6-6gx30.88.35.019 GOST 7798-70	2	Bolt
	25	M6-6H.6.019 GOST 5915-70	2	Nut
	26	S6.01.019GOST 6958-78	4	Washer
	27a	2202.3803-34 TU 37.003.1109-82 or 12.3803-116 TU RB 300228919.037-2002	1	DL pilot lamp
	27B	12.3803-118 TU RB 300228919.037-2002 or 2202.3803-34 TU 37.003.1109-82	1	Rear PTO pilot lamp
	28	12.3803-41 TU RB 300228919.037-2002	3	Pilot lamp
	29	80-3801021	3	Switch jack
	30	80-3801327	1	Blind plug
	31	P150M-06.14 TU RB 14795799.001-97 or P150-06.17 TU 37.003.701-75 or PK150-06.14 TU BY 600066646.111-2009	1	DL switch
	32	P147M-01.17 TU RB 14795799.001-97 or P147-01.17 TU 37.003.701-75 or PK147-01.17 TU BY 600066646.111-2009	1	PTO switch
	33	752.3777.000-10 TU 37.469.093-2006	2	Cut-in relay 30A
	34	V.M6-6gx12.58.019 GOST 17473-80	2	Screw
	35	M6-6H.6.019 GOST 5915-70	2	Nut
	36	6T OST 37.001.115-75	2	Washer
	37	1522-8700221	1	Bracket
	38	5T OST 37.001.115-75	2	Washer
	39	VK 12-1 TSIKS 642241.001 TU	1	Switch
	40	1021-3724830-D	1	Bundled cable
	41	80-3723045-01	16	Collar

