

3522-0000025 OM
Operation manual

Q-ty of sheets

3

Sheet

1

GROUND: customer requirement

BULLETIN Y4R 2026-13 BE	TRACTOR MODEL	3522 with Weichai engine WP10HG360E302
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Abstract

This operation bulletin provides the following information:

- maintenance service operation 36a "Replacement of seals of the pneumatic system pressure regulator 8242.35.12.100-10 or 8242.35.12.100-20" has been introduced;
- information on the maintenance service intervals for the pressure regulator 8242.35.12.100-10 or 8242.35.12.100-20 has been introduced;
- information on the intervals for changing fuels and lubricants for the pressure regulator 8242.35.12.100-10 or 8242.35.12.100-20 has been introduced.

Content of changes

Into table 6.3.1 "Contents of scheduled maintenance operations for chassis, external water cooling systems, charge air cooling and engine air cleaning systems of BELARUS-3522 tractors during operation" of subsection 6.3 "Maintenance procedure", add operation 36a:

Operation No.	Operation name	Pereodicity, h				
		8-10	125	250	500	1000
36a ⁷⁾	Replace seals of the pneumatic system pressure regulator 8242.35.12.100-10 or 8242.35.12.100-20				X	

Into subsection 6.4.4 "Maintenance service every 500 hours of operation", introduce subclause 6.4.4.3a, operation 36a "Replacement of seals of the pneumatic system pressure regulator 8242.35.12.100-10 or 8242.35.12.100-20".

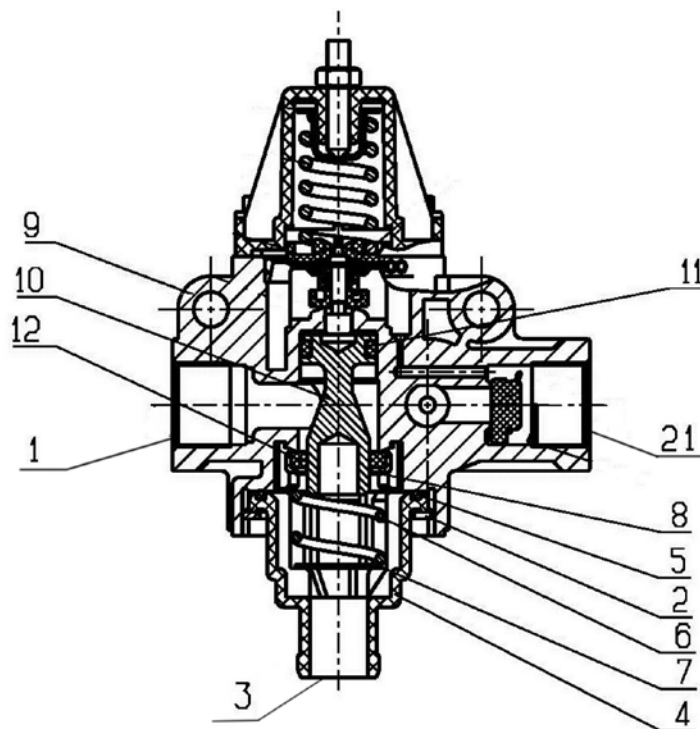
6.4.4.3a Operation 36a. Replacement of seals of the pneumatic system pressure regulator 8242.35.12.100-10 or 8242.35.12.100-20

Table 6.4.1 shows the items used to replace the seals of the pressure regulator 8242.35.12.100-10 or 8242.35.12.100-20 of the pneumatic system.

Table 6.4.1 - List of items for replacing pressure regulator seals 8242.35.12.100-10 or 8242.35.12.100-20

No.	Name	Designation	Q-ty, pcs.
1	Valve	8242.35.12.022	1
2	Ring	8242.35.12.014-01	1
3	Ring	038-042-25-2-7 GOST 18829-2017	1
	Or		
	Silicone ring	038-042-25-2-7 TU 2539-002-49247031-2011	1

All rubber parts must be lubricated with a thin layer of "PLASMA-T5" grease TU 0254-006-17432726-10, or "ZhT-72" railway grease TU 38-101345-7], or "ElitSint 25 EP2" grease.



1, 21, 3 – outlets; 2 – retaining ring; 4 – exhaust port housing; 5 – ring; 6 – spring; 7 – thrust washer; 8 – adjusting shims (1-3 pcs.); 9 – housing; 10 – piston; 11 – ring; 12 – valve.

Figure 6.4.35 - Replacement of seals of the pneumatic system pressure regulator 8242.35.12.100-10 or 8242.35.12.100-20

To replace the seals of the pneumatic system pressure regulator 8242.35.12.100-10 or 8242.35.12.100-20, perform the following:

- remove retaining ring 2 (figure 6.4.35);
- remove exhaust port housing 4 with ring 5, remove thrust washer 7, spring 6, and adjusting shims 8;
- remove ring 5 from exhaust port housing 4;
- remove piston 10 from housing 9;
- remove ring 11 and valve 12 from piston 10;
- wipe all working surfaces of exhaust port housing 4, housing 9, and piston 10 with a clean cloth until all dirt is completely removed;
- install ring 11 and valve 12 onto piston 10;
- install piston 10 into housing 9;
- install ring 5 into exhaust port housing 4;
- install adjusting shims 8, spring 6, thrust washer 7, and exhaust port housing 4 with ring 5 (do not allow tilting or displacement of thrust washer 7 from the support pad of exhaust port housing 4);
- install retaining ring 2.

Into table 6.7.1 "List of fuels and lubricants for BELARUS-3522 tractors with WP10HG360E302 WEICHAI engine" of subsection 6.7 "Fueling and lubrication of the tractor" add line 3.12:

Table 6.7.1 – List of fuels and lubricants for BELARUS-3522 tractors with WP10HG360E302 engine (WEICHAI)

Item number	Name of the assembly unit	Q-ty. of assembly units, pcs.	Names and designation of fuels and lubricants				Weight (volume) of fuel and lubricants, refueled in the tractor per change, kg (dm ³)	Change intervals for FLM, hours	Remarks
			Main	Duplicating	Auxiliary	Foreign-made			
1	2	3	4	5	6	7	8	9	10
3.12	Pressure regulator 8242.35.12.100-10 or 8242.35.12.100-20	3	"PLASMA-T5" grease TU 0254-006-17432726-10	"ZhT-72" railway grease TU 38-101345-7	"ElitSint 25 EP2" grease	Not available	0.002±0.00025	500	