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MANUAL PREVIEW

Belarus

Service Manual

T25A, T25A2,

T25A3 & 250AS

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Service Manual

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BE-S-250AS

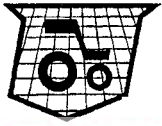
Make: Belarus	Model: 250AS	Years Made: 1985-1996
HP-PTO: 24	HP-Engine: 31	HP-Drawbar: 21.8
HP-Range: 24	Engine-Make: BELARUS	Engine-Fuel: DIESEL/NAT
Engine-Cyl(s)-CID: 2/127	Transmission-STD: SG	Optional:
Fwd/Rev Standard: 8/6	Fwd/Rev Optional:	Mfwd-Std/Opt:
Tires-Std Front: 6.00-16	Tires-Std Rear: 10.00-28	Wheelbase-Inch: 70
Pto Type: TRANS	Pto Speed: 540	CAT I-3pt Hitch: False
CAT II-3pt Hitch: True	CAT III-3pt Hitch: False	Hitch Lift: 1350
Hydraulics-Type: OPEN	Hyd-Cap: 2 GAL	Hyd-Flow: 4.2
Hyd Std Outlets: 1	Cooling Capacity: AIR COOLED	Fuel Tank Capacity: 14
 Std A/C; Rops: ROPS STD	Weight: 4300	New Price: 7885

FRONT OF TORQUE HOUSING ON LEFT SIDE		
Year	Beginning Serial Number	
1985	303878	
1986	348925	
1987	434067	
1988	473738	
1989	512751	

Paint Codes		
Location		MFG Color Name
HOOD, TRIM AND WHEELS		ACCREAM
MAIN BODY OF TRACTOR		VERSATILERED

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BELARUS TRACTOR INTERNATIONAL

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MANUAL PREVIEW

TRACTORS
T25A, T25A2, T25A3
250AS

REPAIR MANUAL

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TRAKTOREXPORT USSR MOSCOW

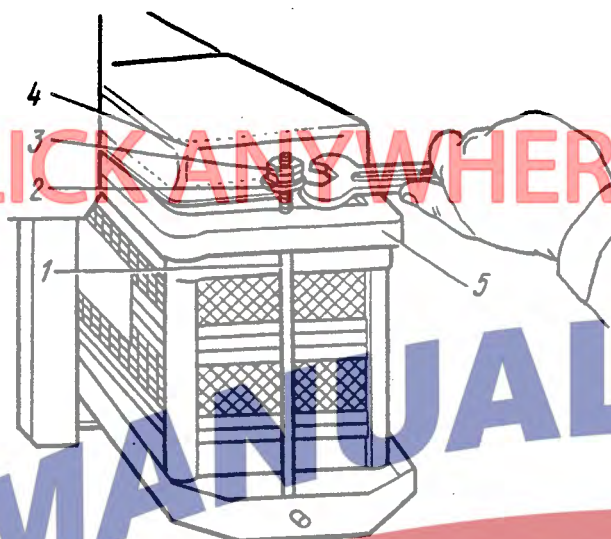


Fig.1. Detachment of Battery Cover:

1 - rod; 2 - washer; 3 - nut;
4 - battery cover; 5 - frame

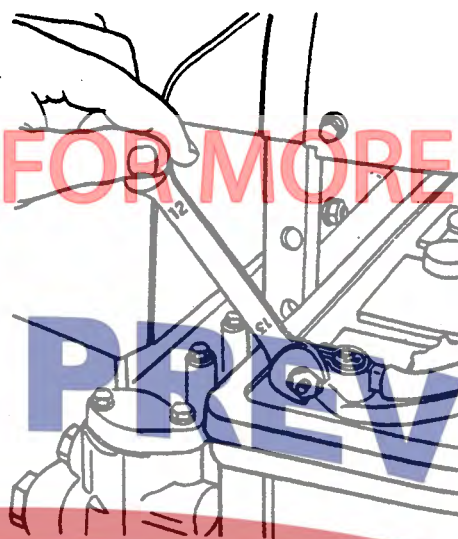


Fig.2. Detachment of Wires

From Battery Terminals



Fig.3. Detachment of Battery Jumper

4.4. ALTERNATOR

4.4.1. General

The I306M alternator (Fig.4) is a contactless induction, homopolar machine. It incorporates a three-phase bridge rectifier composed of BA-10 silicon diodes. The alternator is designed to operate in conjunction with a FP3625 contact-type transistorized regulator. The alternator operates in parallel with the battery and

Fit the washer over the adjusting plug and turn on the valve nut. When taking up the nut, avoid turning of the adjusting screw, i.e. maladjusting the valve. After taking up the nut, one of its faces should locate against the washer tongue.

Bend the washer tongue over the nut face and affix a lead-seal. When fitting a lead-seal, tie up the valve nut and valve body eye lug with wire so that the nut could not be unscrewed without cutting off the wire.

7.13. FUEL SYSTEM

7.13.1. General

The fuel system comprises a number of components for storing an amount of fuel on tractor, cleaning and timely delivering it into the engine cylinders in the required quantities.

Fuel from the tank via the pipe line enters coarse filter 8 (Fig.96), wherefrom it is drawn by feed pump 7 for forced delivery to fine filter 3 where it is cleaned in the paper element and then forced to injection pump 5. The pump forces the fuel via injection pipes to injectors 4 and after reaching the pressure of $170^{+5} \text{ kgf/cm}^2$

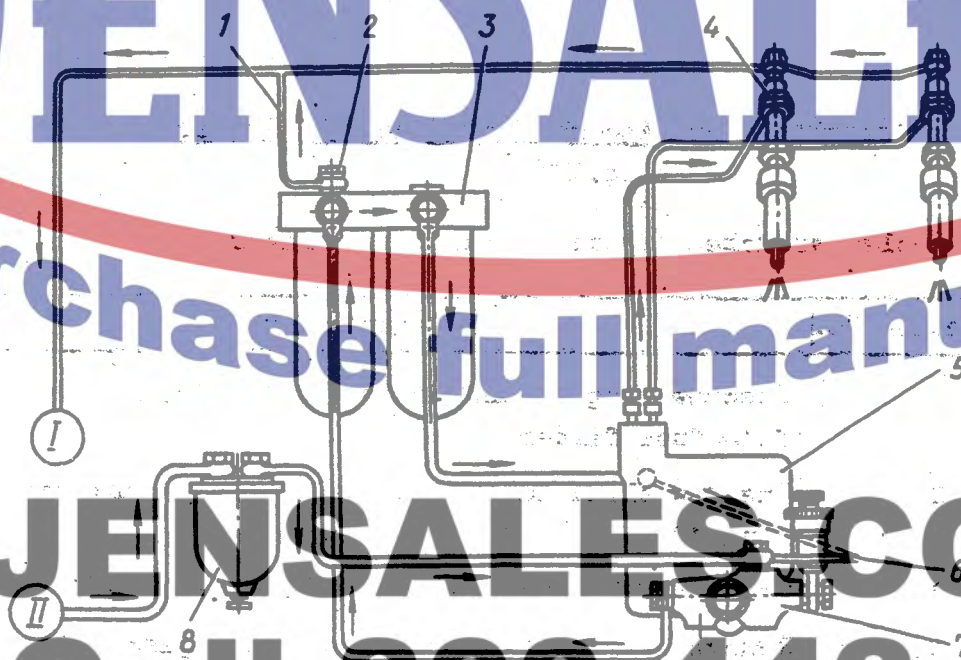
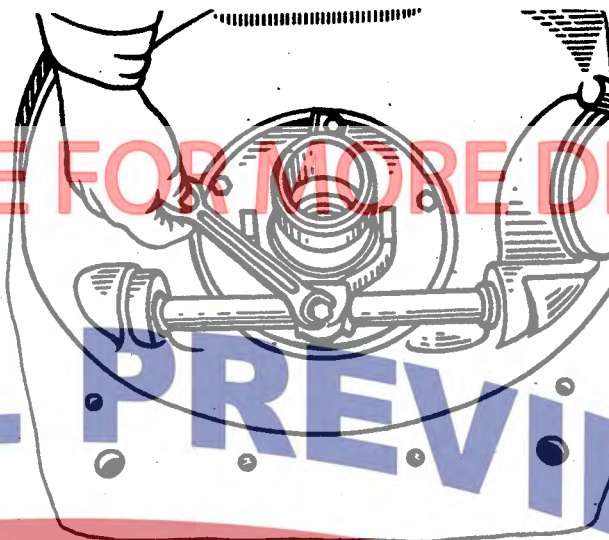


Fig.96. Fuel System:

- 1 - air bleed pipe; 2 - special bolt; 3 - fine fuel filter; 4 - injector; 5 - injection pump; 6 - bypass pipe;
- 7 - feed pump; 8 - coarse fuel filter
- I - to fuel tank (return); II - from fuel tank (intake)

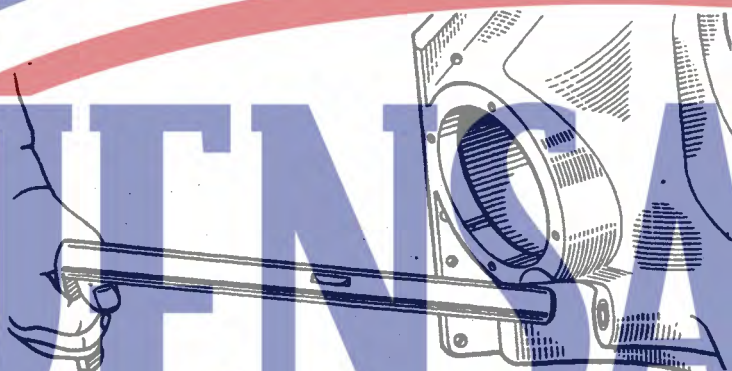
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Fig.128. Removal of Locking Bolt



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Fig.129. Removal of Release Fork Axle



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Fig.130. Removal of Case Bolts



Fig.131. Pressing the Case Out

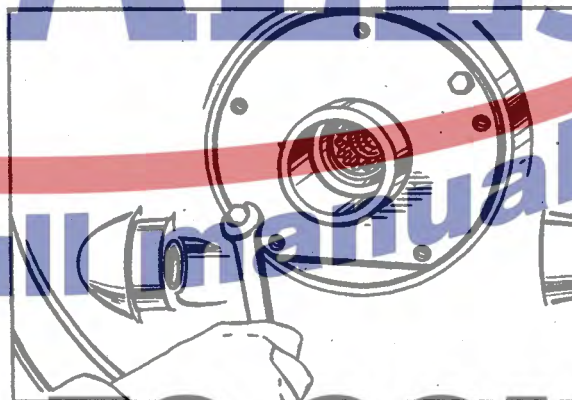


Fig.132. Removal of Case Together with Hydraulic Pump Drive Gear

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Fig.135. Unscrewing the Shaft Nut

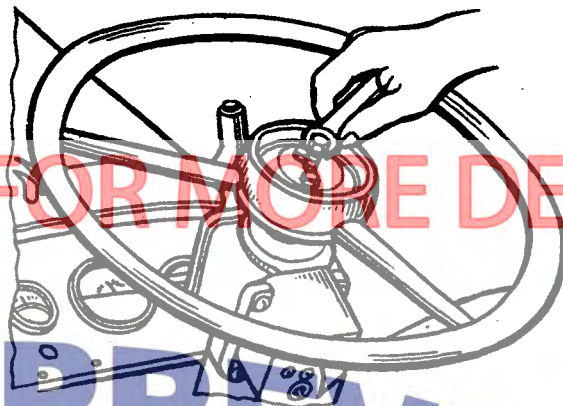


Fig.136. Pressing the Steering Wheel Off

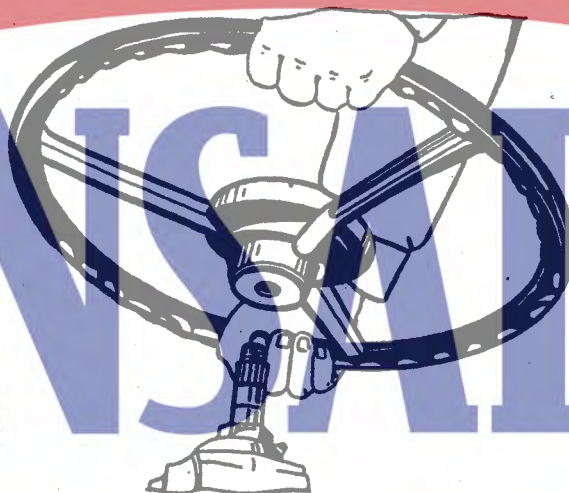


Fig.137. Removal of Steering Wheel

Operation Sheet 35

Removal and Mounting of Steering Column

Devices, tools: steering mechanism tester K-402; wrenches 7811-0022 and 7811-0024, GOST 2839-71; combination pliers 200, GOST 5547-52; screw-drivers 7810-0394 and 7810-0396, GOST 17199-71; drift 6

Operation No.

Description

Before removing the steering column, perform disassembling operations of Sheet 34 "Removal and Mounting of Steering Wheel", then perform the following operations of Sheet 35

Operation No.	Description
---------------	-------------

- 1 Unscrew gear and reverse shift lever gate bolts (Fig.138) and remove the gate
- 2 Unscrew trailer brake lever bracket bolts (Fig.139) and remove the bracket (Fig.140)
- 3 Uncotter and detach the throttle lever rod, unscrew the accelerator pedal bolts, detach the accelerator longitudinal rod and spring (Fig.141)
- 4 Detach the interlock pedal and clutch pedal, unscrew the bolts of front and rear floorboards and remove the floorboards (Fig.142)
- 5 Unscrew the coupling bolt (Fig.143) and remove the steering arm (Fig.144) together with the steering rod
- 6 Turn off the guard screws (Fig.145) and remove the guard (Fig.146)
- 7 Turn off the switch screws (Fig.147) and remove the switch (Fig.148). Place the switch together with wires on the instrument board
- 8 Unscrew fastening bolts (Fig.149) and remove the steering column from tractor. Replace the column with a good one. Install it by reversing the above procedure

Replacement of Steering Arm Shaft, Side Cover Bearing and Roller

- 9 Unscrew the side cover bolts and take the steering arm shaft together with cover out of the steering gear case (Fig.151)
- 10 Unscrew nut (Fig.152) and remove washer (Fig.153)
- 11 Turn the side cover off the threaded bush and remove it together with bearing (Fig.154). Replace the steering arm shaft.
Press the bearing out of the case cover and replace it.
- 12 Remove the threaded bush (Fig.155)

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Fig.138. Detachment of Gate Bolts

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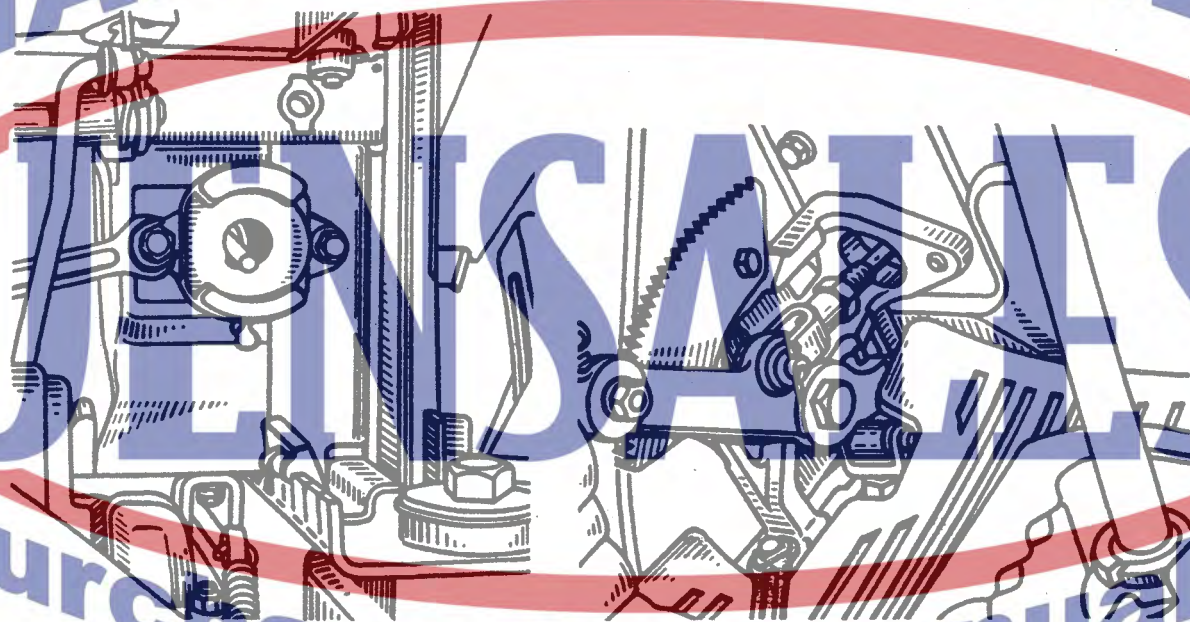


Fig.139. Unscrewing Bracket Bolts



Fig.140. Removal of Bracket with Lever

Fig.141. Detachment of Accelerator Rod and Pedal

Operation No.	Description
---------------	-------------

- | | |
|----|---|
| 13 | Press off the roller (Fig.156). Replace the roller.
Assemble in reverse to disassembly |
|----|---|



Fig.142. Removal of Floorboards



Fig.143. Unscrewing the Coupling Bolt

Fig.144. Removal of Steering Arm