836C
856C
836C AWD
856C AWD
Stage IV
Motor Grader

OPERATOR'S MANUAL

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CASE CONSTRUCTION

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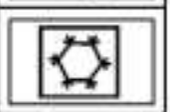
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Pos.	Designation		Function	Symbol
53		Reserve		
65	Switch	Blower	Heating	
82	Gearshift lever		Selection of the 6 forward and 3 reverse gears	
83	Lever	Accelerator	Forwards/max speed Backwards/ idling speed	
84	Encoder	FWD/CM Encoder	All-wheel drive / Creep mode Option	
86	Switch	Inching Option	Brake-pressure-dependent transmission cutout	
88	Switch	Transmission	Manual/automatic	
91	Switch	Air conditioning system Option		
92	Switch	Refuelling station Option	External	
99	Rotary knob	Heating	Stepless heating adjustment	
100	Switch	Fresh air/recirculated air	Switching from fresh air to recirculated air	
111	Switch	Rear window heating		

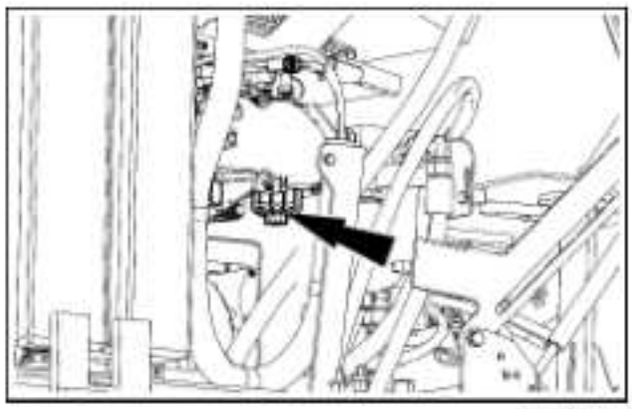
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Every 4000 hours or 2-yearly

Change the DEF/AdBlue® supply module main filter

NOTE: *– Read and observe* ***2-2*** *and following.*
– Secure the machine as described under ***7-5*** *.*

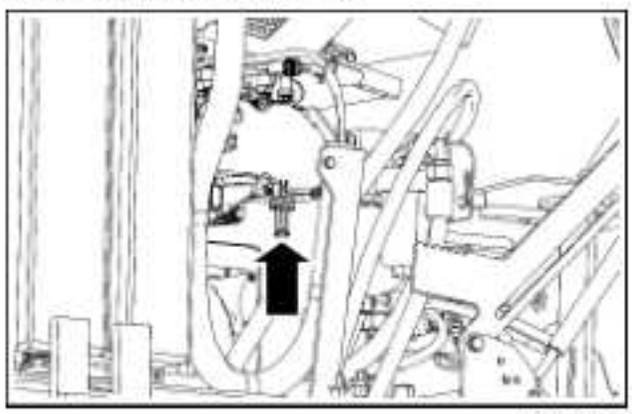
1. Open the hood, see page **7-6**. The supply module main filter is located on the left-hand side of the machine directly below the supply module.
2. Use a suitable container to catch any fluid that is discharged during hose and filter disassembly. Thoroughly clean the underside of the supply module using compressed air. Remove the filter cover by turning counterclockwise.
3. Remove the equalizing element from the center of the filter. Discard the equalizing element following local environmental and waste regulations.



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NOTICE: *contamination or damage of the sealing surface on the housing must be prevented.*

4. Observe the color of the filter (gray or black). Insert the corresponding marked end of the filter removal tool, until a click is felt or heard, indicating that the tool is completely inserted.



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5. Pull the filter and the filter removal tool out by hand. If necessary, insert a tool in the filter removal tool's slot for additional leverage. Discard the filter, following local environmental and waste regulations.

NOTICE: *protect the filter chamber from contamination and particles.*

6. Clean the supply module's thread surfaces and the internal filter housing surface with water.
7. Oil the O-rings of the new filter and insert them into the supply module housing.
8. Insert the new equalizing element.
9. Clean the filter cover with water and reinstall.
10. Start the engine and run at idle speed. Check for leaks.

NOTICE: *never use a filter wrench to install a new filter.*

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Capacities

Component		836C	836C AWD	856C	856C AWD
Engine with engine oil filter		about **12.5 l (3.3 US gal)**	about **12.5 l (3.3 US gal)**	about **12.5 l (3.3 US gal)**	about **12.5 l (3.3 US gal)**
Hydraulic system	Initial filling	about **170 l (44.9 US gal)**	about **185 l (48.9 US gal)**	about **185 l (48.9 US gal)**	about **200 l (52.8 US gal)**
	For oil change	about **70 l (18.5 US gal)**	about **70 l (18.5 US gal)**	about **90 l (23.8 US gal)**	about **90 l (23.8 US gal)**
Powershift transmission	Initial filling	about **27 l (7.1 US gal)**	about **27 l (7.1 US gal)**	about **27 l (7.1 US gal)**	about **27 l (7.1 US gal)**
	For oil change	about **21 l (5.5 US gal)**	about **21 l (5.5 US gal)**	about **21 l (5.5 US gal)**	about **21 l (5.5 US gal)**
Differential gear Side reducer gear		about **31 l (8.2 US gal)**	about **31 l (8.2 US gal)** about 31	about **36 l (9.5 US gal)**	about **36 l (9.5 US gal)** about 36
Tandem (chain case) Swing unit		2 x about **60 l (15.9 US gal)**	2 x about **60 l (15.9 US gal)**	2 x about **64 l (16.9 US gal)**	2 x about **64 l (16.9 US gal)**
Blade slewing gear		about **2 l (0.5 US gal)**	about **2 l (0.5 US gal)**	about **2.5 l (0.7 US gal)**	about **2.5 l (0.7 US gal)**
Cooling system with heating (OAT EG2 50-50 Premix)	The coolant is a 50:50 mixture with water	about **32.0 L (8.5 US gal)**	about **32.0 L (8.5 US gal)**	about **32.0 L (8.5 US gal)**	about **32.0 L (8.5 US gal)**
Fuel tank		about **278.0 L (73.4 US gal)**	about **278.0 L (73.4 US gal)**	about **278.0 L (73.4 US gal)**	about **278.0 L (73.4 US gal)**
Diesel Exhaust Fluid (DEF)/AdBlue® tank		**54.0 L (11.9 UK gal)**	**54.0 L (11.9 UK gal)**	**54.0 L (11.9 UK gal)**	**54.0 L (11.9 UK gal)**
Windshield washer tank		**2.0 L (0.4 UK gal)**	**2.0 L (0.4 UK gal)**	**2.0 L (0.4 UK gal)**	**2.0 L (0.4 UK gal)**
Refrigerant R134a		**1.2 kg (2.6 lb)**	**1.2 kg (2.6 lb)**	**1.2 kg (2.6 lb)**	**1.2 kg (2.6 lb)**

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