SERVICE MANUAL

TT4.55 / TT4.65 / TT4.75

Tractor

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NEW HOLLAND AGRICULTURE

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Mechanical service brakes - Troubleshooting

Problem	Possible Cause	Correction
Brake actuate only when pedal is depressed fully.	Incorrect Pedal adjustment	Check and adjust
Tractor pulls to one side when brakes applied	Brakes not equally adjusted	Adjust
	Wrong tire pressure	Inflate tires to correct pressure
	Wrong liners on one side	Replace discs
Brakes noisy	Oil contamination	Check and change with recommended oil
	Wrong brake disc	Replace brake discs
Brakes remain applied when pedals are released	Seized brake actuating linkages	Clean and lubricate linkages
Pedals are hard to operate	Seized brake actuating linkages	Clean and lubricate linkages

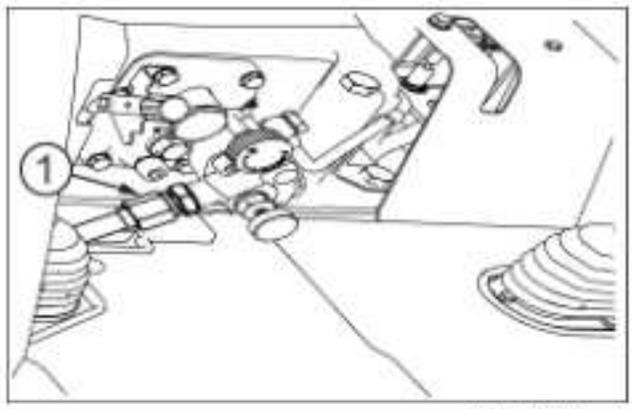
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Pump - Test

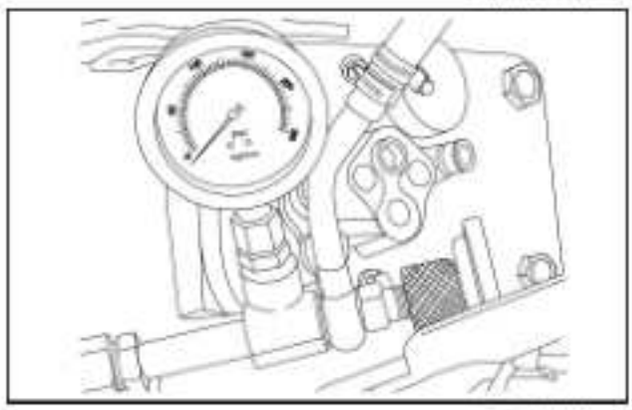
NOTE: *Hydraulic pump may be tested to ensure full pressure and flow.*

NOTICE: *Before performing any pressure or flow testing, operate the tractor until the oil in the transmission is at normal operating temperature of* ***75 °C****.*

1. Remove connection **(1)** between hydraulic pressure line and distributor assembly.
2. Install special tool no. **380000240** at hydraulic pressure line.
3. Install outlet hose of the tool into transmission oil Filter port.
4. Ensure that flow control tap is fully open.
5. Start and set engine speed to **1000 RPM**.
6. Close flow control tap slowly until pressure gauge shows **166 bar**
7. Moving quickly, transfer the tester outlet hose to a **10 L** measuring jar. Simultaneously starting a stop watch.
8. Note the time to fill the **10 L** measuring jar. Repeat the same procedure 4 to 5 times and calculate the average time.
9. At **1000 RPM** a new or reconditioned pump delivers, **18–19 L/min** at **166 bar**.
   - The minimum accepted delivery of a used pump is **11 L/min** at **166 bar**.
   - if more than **30 s** is required, or if the required pressure of **166 bar** can not be achieved, then a fault exists in the hydraulic pump, hydraulic filter or lines.

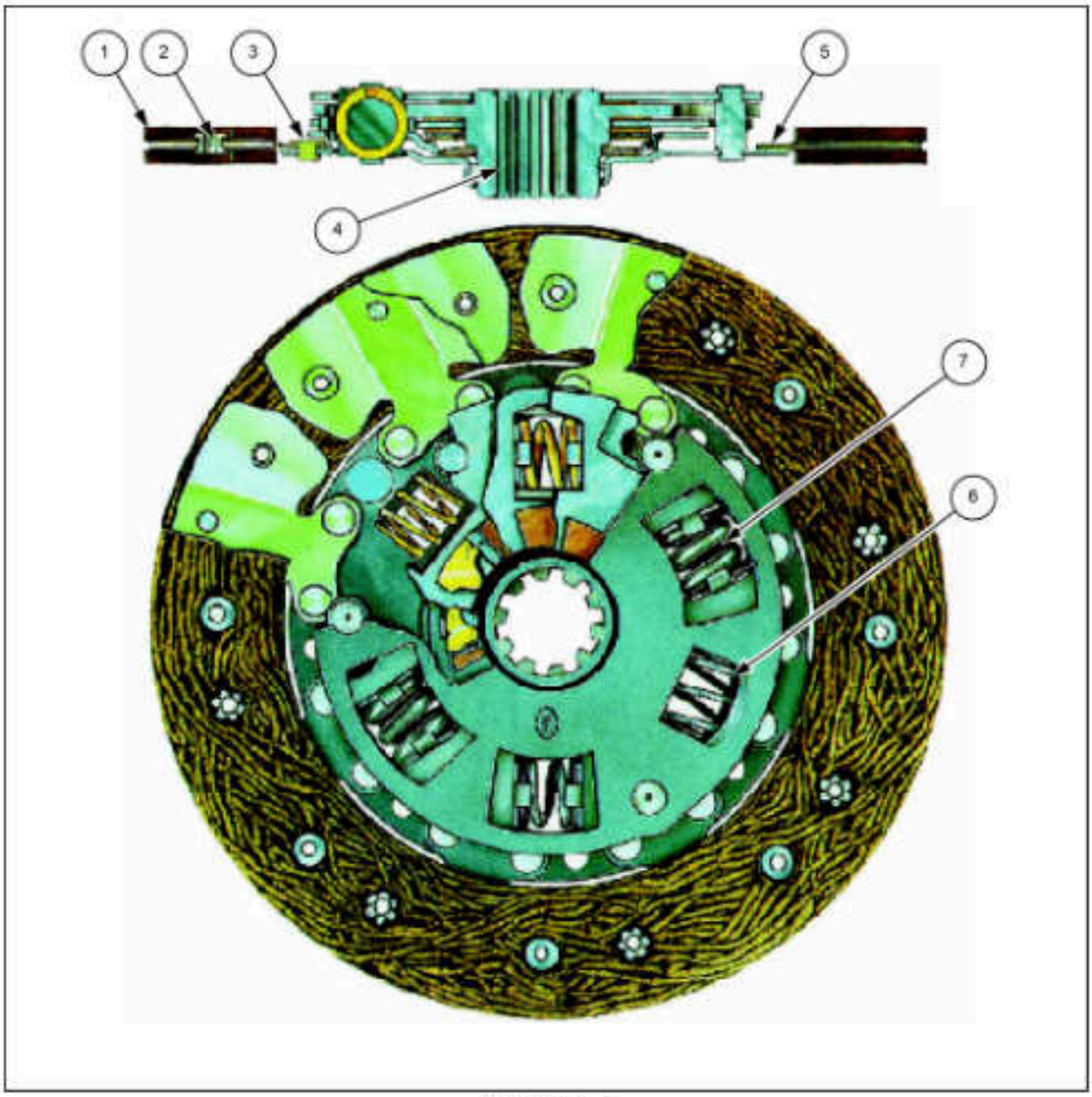


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NOTICE: *Check 0il lines and filter before investigating the pump.*
The same procedure can also be performed using remote valves (if fitted), by making suitable changes to the adapter. Operate the remote valve lever, and then measure the flow and the pressure.

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Mechanical version

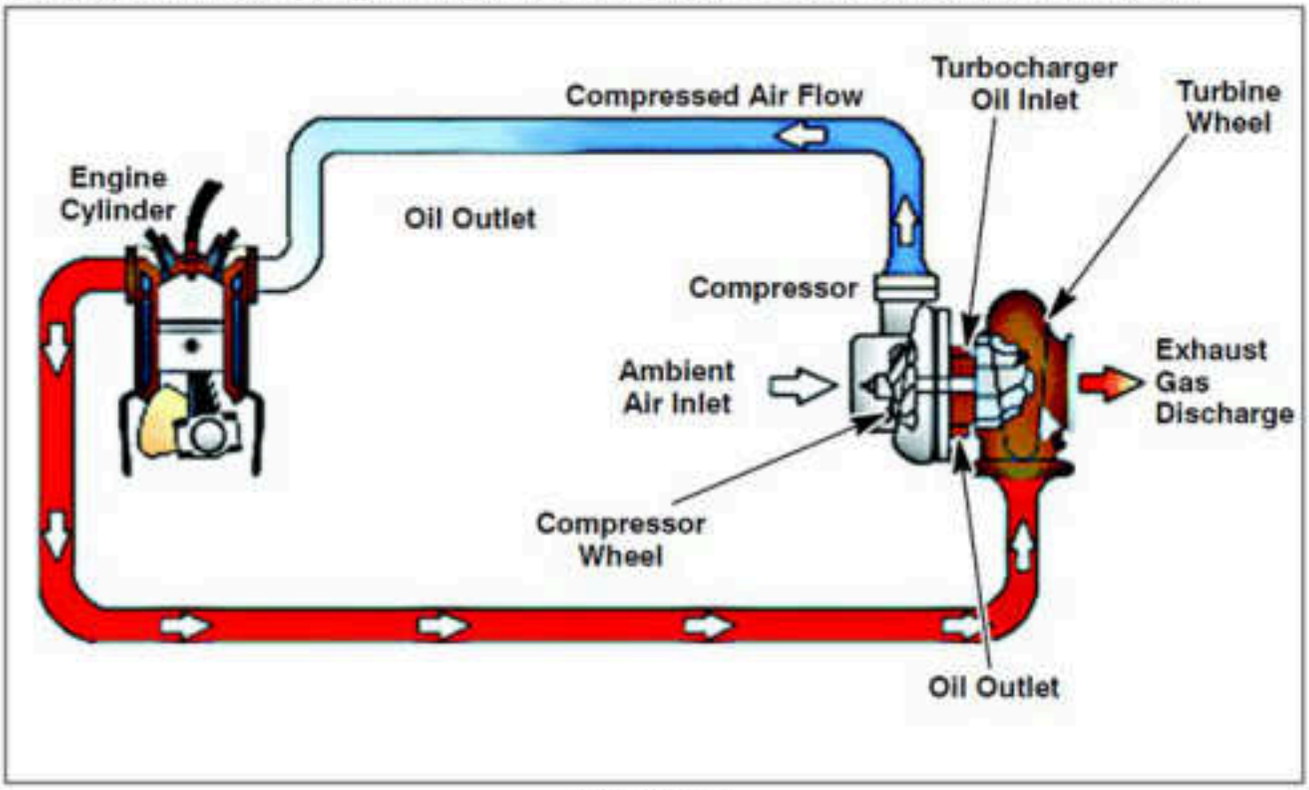
1. Clutch facing
2. Facing rivet
3. Segment rivet
4. Hub
5. Segment
6. Idle damper spring
7. Main damper spring

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Turbocharger - Overview

TURBO CHARGE FUNCTION

The turbocharger uses the exhaust flow from the engine to spin a turbine, which in turn spins air pump.
The turbine in the turbo charger spins at very high speeds.
The turbocharger is bolted to the exhaust manifold of the engine. The exhaust from the cylinders spins the turbine.
The turbine is connected by shaft to the compressor, which is located between the air filter and the intake manifold.
The compressor pressurizes the air going into the pistons. The exhaust from the cylinders passes through the turbine blades, causing the turbine to spin. The more exhaust that goes through the blades, the faster they spin.



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