NEW HOLLAND TN55 TN65 TN70 TN75





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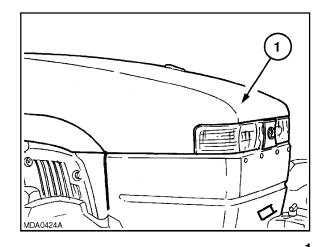
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SAFETY COVERS AND GUARDS

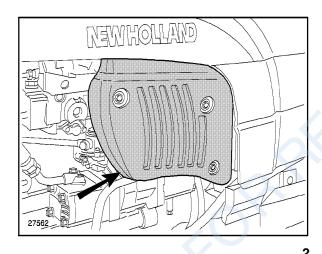


The tractor is fitted with covers and guards for the personal safety of the operator and others when working.

CAUTION: Before starting the engine or using the tractor, always check that all safety covers and guards are fitted correctly.

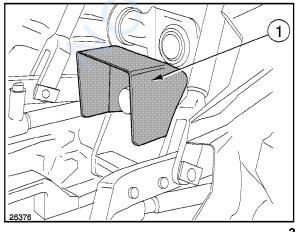
HOOD - Fig. 1

The hood (1) covers the moving parts of the engine. Closed before starting the engine.



FAN COVER - Fig. 2

Both sides of the fan have covers. The cover shown in the drawing protects the left-hand side of the fan.



TRACTOR POWER TAKE-OFF GUARD

- Fig. 3

The guard (1) protects the power take-off shaft.

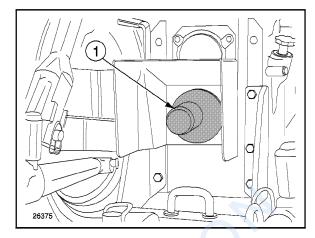
CAUTION: The guard must never be removed when the tractor is in use and must never be modified.

POWER TAKE-OFF SHAFT GUARD - Fig. 4

The cover (1) must always be fitted on the power takeoff shaft when it is not connected to the implement or machine in use. Replace the cover correctly when not in use.



CAUTION: Check that all guards and covers are fitted correctly before using the tractor.



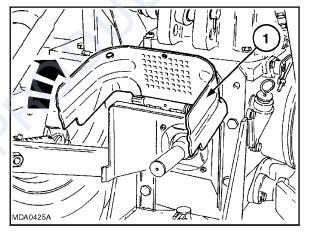
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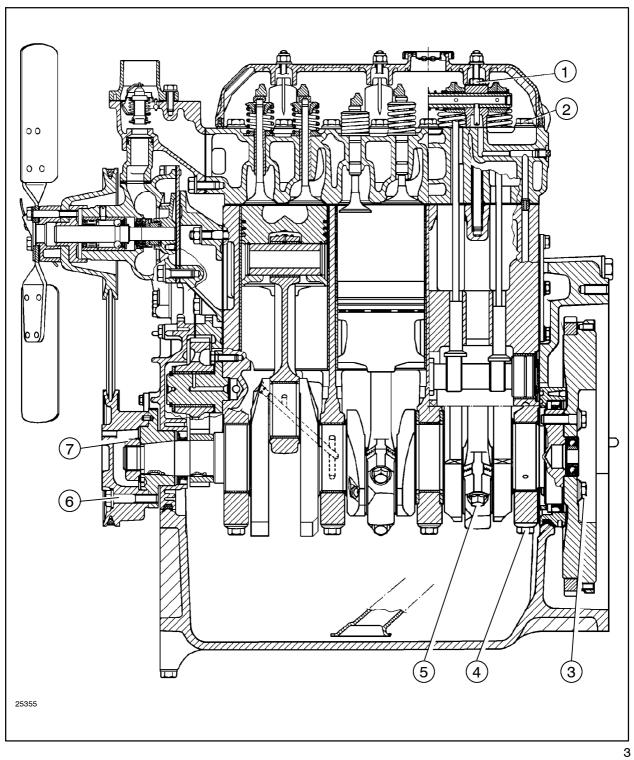
PIVOTING POWER TAKE-OFF GUARD (not available in all countries) - Fig. 5

The guard (1) protects the power take-off shaft.

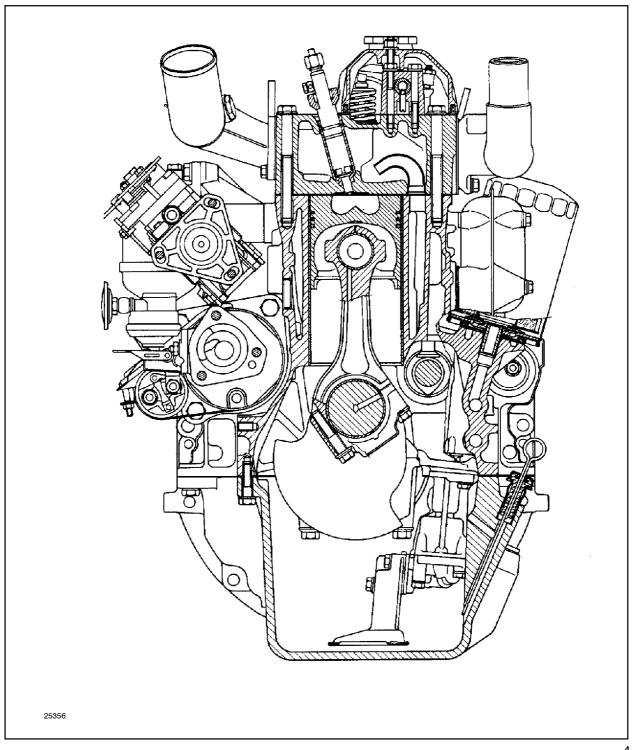
NOTE: To facilitate connection of the tractor transmission shaft/implement, lift the guard (1). Once connected, return the guard to the safety position.

CAUTION: The guard must never be removed when the tractor is being used and must never be modified.

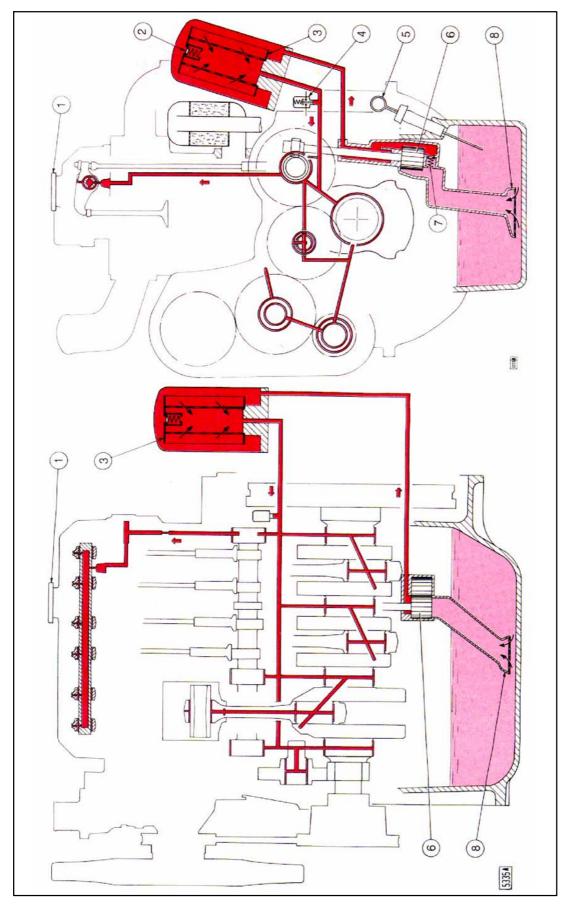




Longitudinal section of engine (modelsTN 55 and TN 65).

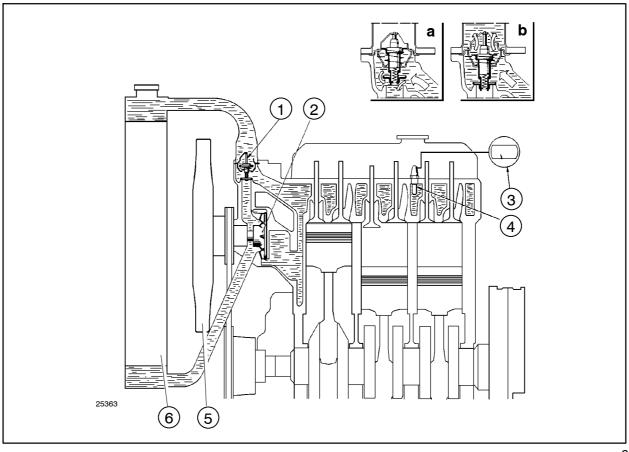


Cross-section of engine (modelsTN 55 and TN 65).



Engine lubrication system

Oil filler cap - 2. Filter safety valve (opens when oil pressure at filter inlet exceeds the pressure at the outlet by 1.5-1.7 bar/cm2) Filter - 4. Switch for low engine oil pressure warning (on dashboard) Dipstick - 6. Pump - 7. Oil pressure limiting valve - 8. Screen filter on pick-up pipe



Engine cooling system.

- A. Coolant circulation with thermostat valve closed
- B. Coolant circulation with thermostat valve open
- 1. Thermostat
- 2. Pump

- 3. Electric thermometer for engine coolant temperature
- 4. Temperature value transmitter
- **5.** Fan
- 6. Radiator

ENGINE TROUBLESHOOTING

Problems	Possible causes		Remedies	
Engine does not start.		Battery partially discharged.	Check and recharge battery. Replace if necessary.	
	2.	Battery terminal connections corroded or loose.	Clean, inspect and tighten terminal nuts. Replace terminals and nuts if excessively corroded.	
	3.	Injection pump timing incorrect.	Adjust injection pump timing.	
	4.	Impurities or water in fuel lines.	Disconnect fuel lines from injection pump and clean thoroughly. If necessary clean and dry the fuel tank.	
	5.	No fuel in tank.	Fill tank.	
	6.	Fuel supply pump malfunction.	Check and replace pump if necessary.	
	7.	Air in fuel system.	Check fuel lines, unions, supply pump, filters and injection pump for air, then bleed system.	
	8.	Starter motor faulty.	Repair or replace starter motor.	
	9.	Thermostarter faulty.	Check and replace thermostarter if necessary.	
Engine stalls.	1.	Idle speed too low.	Adjust idle speed.	
	2.	Irregular delivery from injection pump.	Check injection pump delivery on test bench.	
	3.	Impurities or water in fuel lines.	Disconnect fuel lines from injection pump and clean thoroughly. If necessary clean and dry the fuel tank.	
	4.	Fuel filters clogged.	Renew filter cartridges.	
	5.	Incorrect valve clearances.	Adjust valve clearances.	
	6.	Burnt or cracked valves.	Replace valves.	
	7.	Air in fuel system.	Check fuel lines, unions, supply pump, filters and injection pump for air, then bleed system.	
	8.	Injection pump drive mechanism damaged.	Replace damaged parts.	

(continued overleaf)