SERVICE MANUAL

8035.05.716 / 8035.25C.313T / 8035.25D.313T / 8045.05.260 / 8045.05.716 / 8045.05R.939T / 8045.25.260 / 8045.25.261 / 8045.25.262 / 8045.25L.939T

S8000

Engine

Part number 47454136
1st edition English
November 2013

NEW HOLLAND AGRICULTURE

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Fuel injection system - General specification

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Specifications	
Fuel injection pump type	BOSCH — VE 3/12 F 1150 L 1136
Direction of rotation	Counter clockwise
Injection order	1–2–3
Fuel injector type	BOSCH
Number of holes	6
Pressure setting	**260 - 268 bar (3770 - 3886 psi)**

Fuel injection system - General specification

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Specifications	
Fuel injection pump type	BOSCH — VE 3/12 F 1150 L 1137
Direction of rotation	Counter clockwise
Injection order	1–2–3
Fuel injector type	BOSCH
Number of holes	6
Pressure setting	**260 - 268 bar (3770 - 3886 psi)**

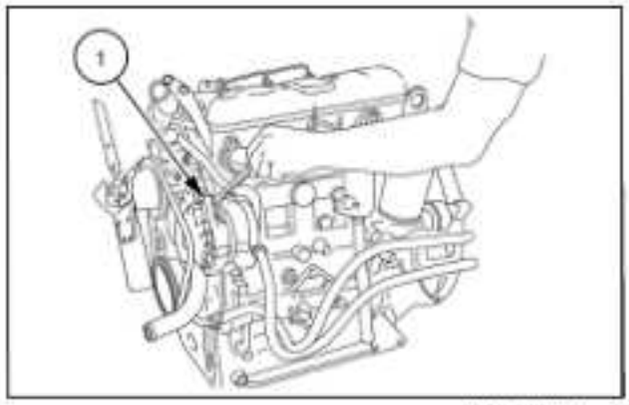
Fuel injection system - Service limits

Specifications	
Eccentricity of pump shaft	**3 mm (0.118 in)**
Diameter of pump shaft journals	**31.975 - 32.000 mm (1.259 - 1.260 in)**
Inside diameter of installed and reamed bushings	**32.050 - 32.075 mm (1.262 - 1.263 in)**
Interference between bushings and seats	**0.063 - 0.140 mm (0.002 - 0.006 in)**
Clearance between shaft and bushings	**0.050 - 0.100 mm (0.002 - 0.004 in)**
Thickness of internal washer	**1.45 - 1.50 mm (0.057 - 0.059 in)**
Thickness of external washer	**2.93 - 3.00 mm (0.115 - 0.118 in)**

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Belt - Install

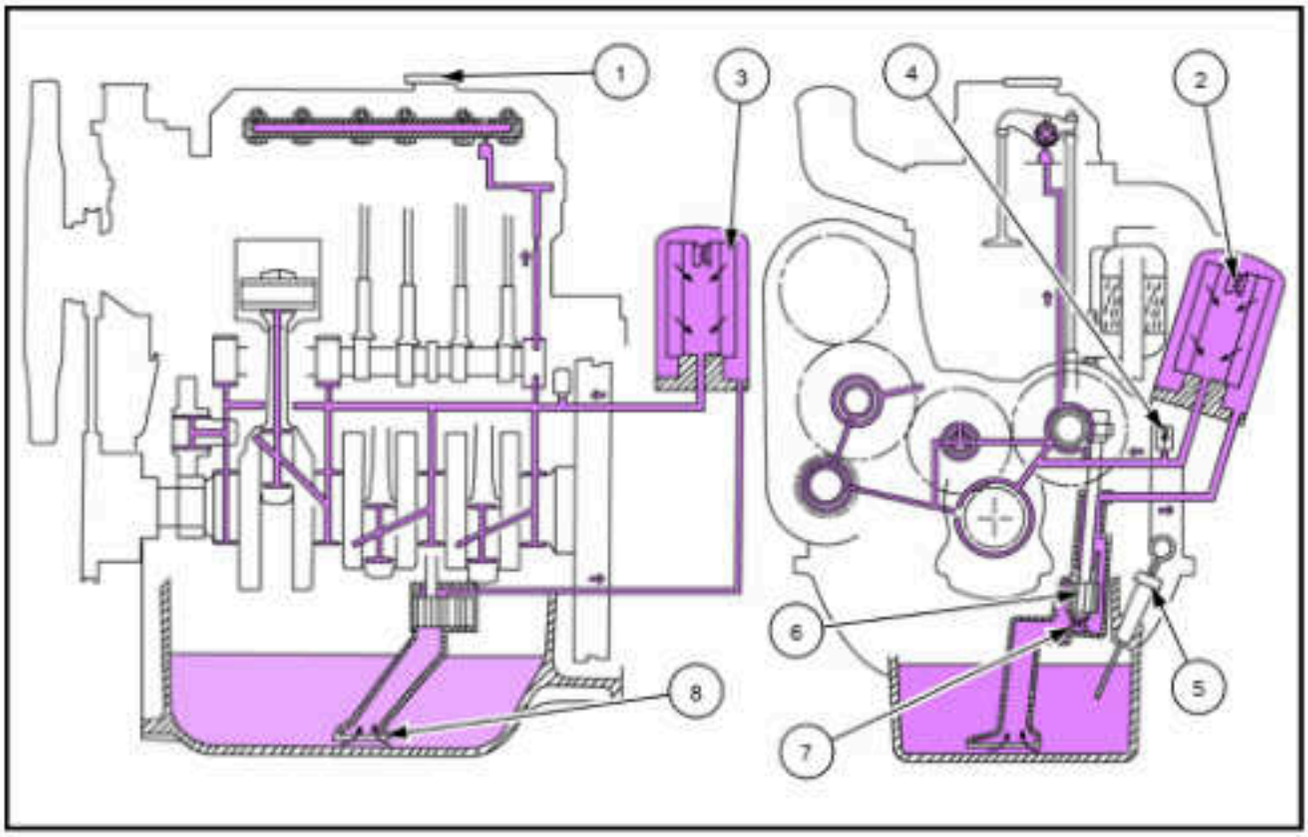
1. Install the alternator and coolant pump drive belt.
2. Tighten the belt tension adjustment arm by tightening the retaining nut.
3. Tighten the belt tension adjustment bolt **(1)**.
4. Tighten the alternator pivot bolt.



NHL12ENG024AA 1

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Engine lubrication system - Sectional view



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(1) Oil filler cap
(2) Filter safety valve
(3) Filter
(4) Switch for low engine oil pressure warning
(5) Dipstick
(6) Oil pump
(7) Oil pressure limiting valve
(8) Screen filter on pick-up tube

The oil filter is a full-flow, integral paper cartridge type. It is installed in-line with the oil pump delivery passage. A built-in safety valve will open to allow the oil to by-pass the filter if it becomes clogged.

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