NISSAN
FORKLIFT

SERVICE MANUAL & TECHNICAL BULLETIN

TD42 ENGINE

(DIESEL ENGINE)
Model 1F4 series

SERVICE

PUBLICATION
SM08E-TD42G0

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ENGINE GENERAL

SECTION EG

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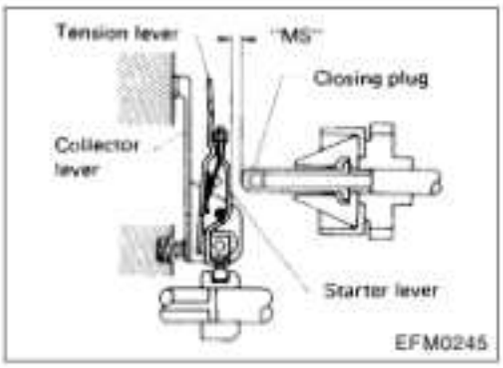
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Correct Operation

- Make sure that you understand the symptoms before starting trouble diagnosis.
- Check correct installation status prior to removal or disassembly. Make sure that they do not interfere with the function of the parts they are applied to if matching marks are required.
- Once they are removed, always replace parts indicated as "do not reuse" with new ones. This includes: oil seals, gaskets, packings, O-rings, lock washers, cotter pins, and self-locking nuts.
- Replace inner and outer races of tapered or needle roller bearings as a set.
- Arrange disassembled parts in order and prevent them from being mixed-up.
- Clean or flush disassembled parts prior to inspection or assembly.
- Use Genuine NISSAN parts for replacement.
- Use authorized grease and sealer.
- Release the pressure before disconnecting pressurized piping or hoses.
- Be sure to check for leakage after repairing fuel, oil, coolant, exhaust, or vacuum systems.

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Inspection and Adjustment (Cont'd)

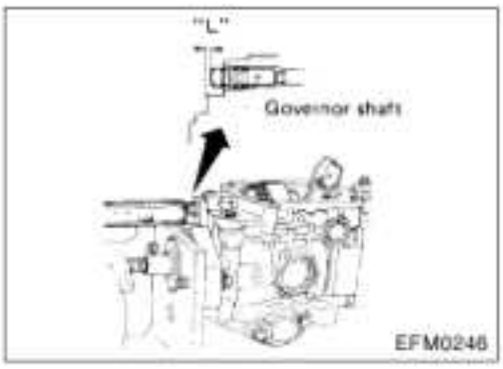


Dimension "MS"

Standard: 1.1 - 1.3 mm (0.043 - 0.051 in)

Unit: mm (in)

Adjusting closing plug thickness
8.6 (0.339)
8.8 (0.346)
9.0 (0.354)
9.2 (0.362)
9.4 (0.370)
9.6 (0.378)
9.8 (0.386)
10.0 (0.394)



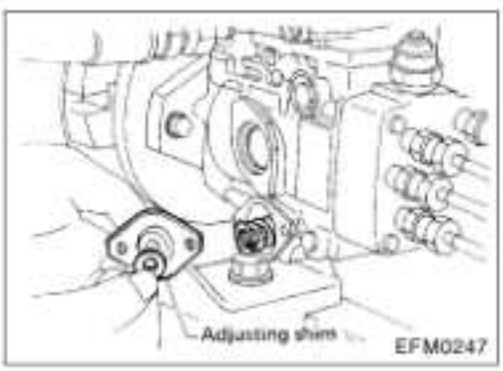
Dimension "L"

Standard: 1.5 - 2.0 mm (0.059 - 0.079 in)

FEED PUMP PRESSURE

Unit: kPa (bar, kg/cm^2, psi)

Fuel injection pump rpm	Specified pressure
1,000	363 - 441 (3.63 - 4.41, 3.7 - 4.5, 53 - 64)
1,150	402 - 481 (4.02 - 4.81, 4.1 - 4.9, 58 - 70)



SPEED TIMER

Unit: mm (in)

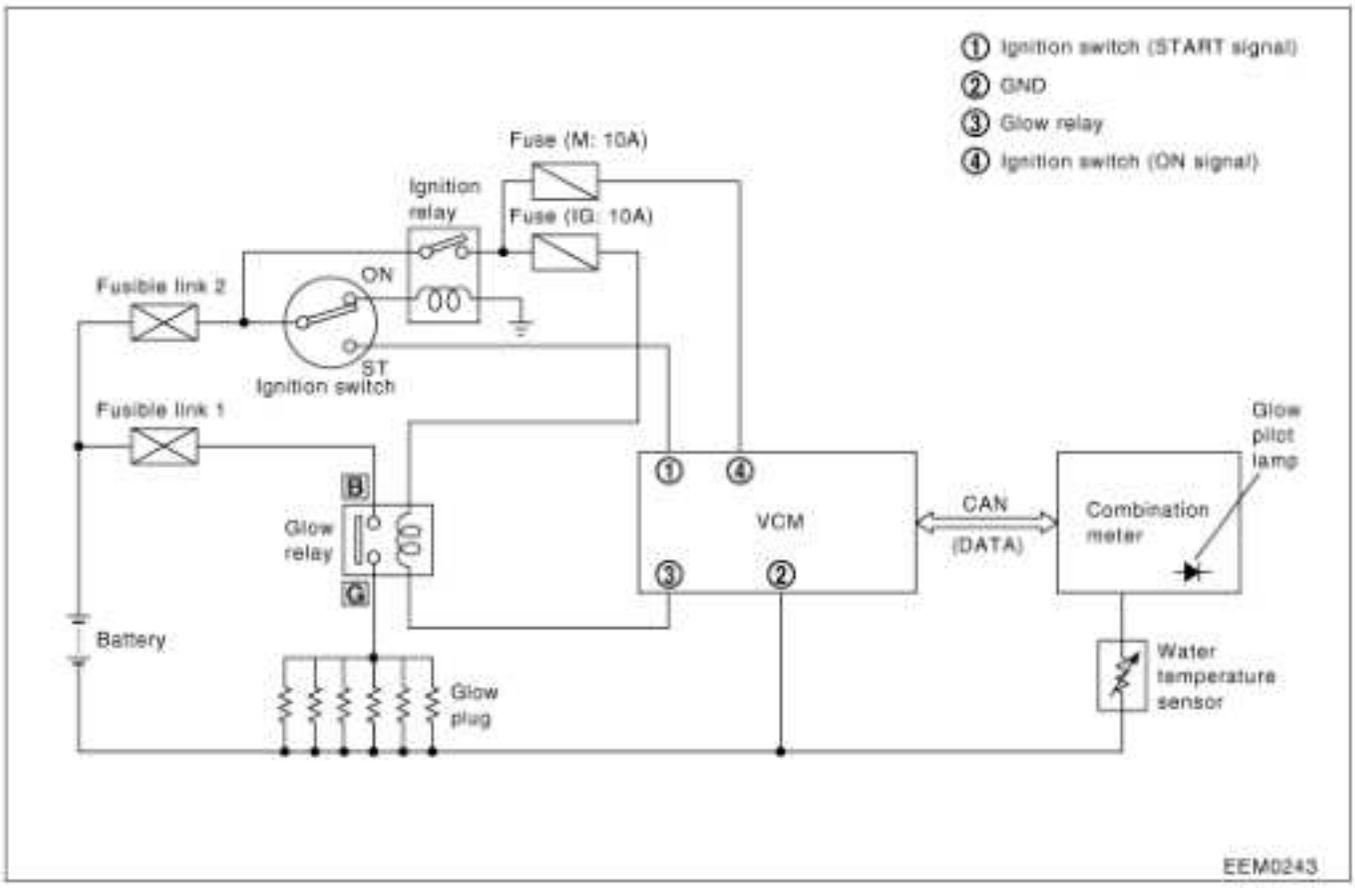
Fuel injection pump rpm	Timer piston stroke
1,000	1.4 - 2.0 (0.055 - 0.079)
1,200	2.2 - 3.2 (0.087 - 0.126)

Unit: mm (in)

Adjusting shim thickness
0.6 (0.024)
0.7 (0.028)
0.9 (0.035)
1.0 (0.039)
1.2 (0.047)

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Schematic



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