



# ENGINE

## WORKSHOP MANUAL

W04D

# HINO Workshop (Service) Manuals

## Additional Repair Information

Hino Motors, Ltd.

EXAMPLER

ENGINE



| Oil Pan | Oil Pump | Oil Filter |
|---------|----------|------------|
| Oil Pan | Oil Pump | Oil Filter |
| Oil Pan | Oil Pump | Oil Filter |
| Oil Pan | Oil Pump | Oil Filter |
| Oil Pan | Oil Pump | Oil Filter |



Before a repair, remove all loose material off the top surface of the oil pan, and apply pressure on the entire flange surface of the oil pan. If necessary, the flange is difficult to use in certain cases, and the indicator (oil) will apply to the oil pan.

Special Tool: Oil Pan Lower Bolt (H0400-1000)

NOTE:

- Do not use a tool that has been dropped.
- Take extra care when handling the oil pan since the flange is easily deformed.

**MEASURE THE PROJECTION OF THE CYLINDER LINER.**

Turn the cylinder head with a tightening torque of 100 N·m (7.25 ft·lb) and measure the amount of projection of the top end of the liner from the cylinder block with a dial gauge or depth-gage with a 0.0005 mm (0.00002 in) resolution.

Special Tool: Cylinder Liner Puller (H0400-1000)

Tightening Torque: 100 N·m (7.25 ft·lb)

Assembly Sequence: 0-071-0-001-0-00000-0-00001-0

IF NECESSARY, GRIND THE CRANKSHAFT AND USE THE LINER 0.05 MILLIMETER.

Dimension of 0.15 mm.

Grind and 0.05 mm (0.002 in) - 0.15 mm (0.006 in)

Grind and 0.05 mm (0.002 in) - 0.15 mm (0.006 in)

HINO TRUCKS

Service Manual System  
Bulletin No. 00-10-0046  
Issue Date: 02/01/2005

### SERVICE INFORMATION BULLETIN



1. INSTALL CONNECTION ROD-BEARING
- NOTE: The connecting rod bearing is located in the connecting rod and bearing cap.
- NOTE:
- When mounting the bearing, make sure to install the oil seal correctly.
  - Install the bearing with the oil seal on the connecting rod side and install the bearing with the oil seal on the cap side.
  - Match the bearing position with the hole in the connecting rod or cap.



2. INSTALL THE OIL SEAL
- NOTE: The oil seal is located in the connecting rod and bearing cap.
- NOTE:
- Match the matching parts of the oil seal with the oil seal distance. Be careful not to scratch the oil seal.



3. INSTALL THE OIL SEAL
- NOTE: The oil seal is located in the connecting rod and bearing cap.
- NOTE:
- Match the matching parts of the oil seal with the oil seal distance. Be careful not to scratch the oil seal.



4. INSTALL THE OIL SEAL
- NOTE: The oil seal is located in the connecting rod and bearing cap.
- NOTE:
- Match the matching parts of the oil seal with the oil seal distance. Be careful not to scratch the oil seal.

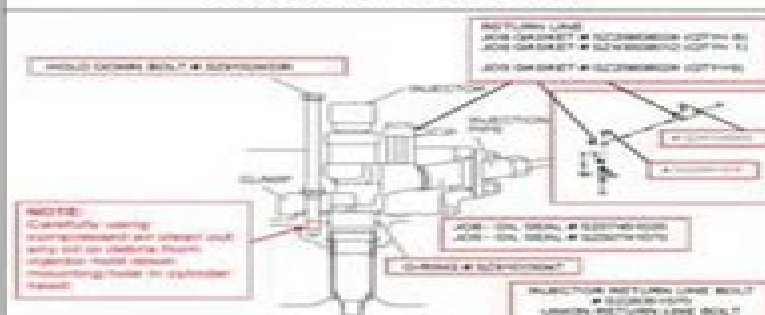


5. INSTALL THE OIL SEAL
- NOTE: The oil seal is located in the connecting rod and bearing cap.
- NOTE:
- Match the matching parts of the oil seal with the oil seal distance. Be careful not to scratch the oil seal.

HINO TRUCKS

Tech Tip No. 00-10-003  
Group: 00-10-003  
Issue Date: 00-10-003

### ENGINE TECH TIPS



NOTE: Consult the engine oil specification and use the oil that meets the specification.

Assemble the injection pipe temporarily, and tighten the injection head down bolt to the specified torque.

Tightening Torque: 20 N·m (1.5 ft·lb)

Tighten the nut of the injection pipe to the specified torque.

Tightening Torque: 40 N·m (3.0 ft·lb)

Install the return line with new gaskets (oil) and tighten the joint bolts to the specified torque.

Tightening Torque: 12.5 N·m (1.0 ft·lb)

CAUTION:

The injection head return line bolt is a different thread pitch than the cylinder head return line bolt. DO NOT MIX UP.

# Hino Parts Manual

**M Mosston**



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