



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 pan. If necessary, the flange is difficult to use in certain cases, and the indicator (oil) will apply to the pan.

Remove the oil pan from the engine.

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 crankshaft 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 50-mm stroke.

Remove the oil pan from the engine.

Turning Torque: 100 N·m (7.25 ft·lb)

Assembly Torque: 100 N·m (7.25 ft·lb)

IF NECESSARY, GRIND THE CRANKSHAFT AND USE THE LINER 0.25 MILLIMETER.

Amount of Fit (mm)

Stroke 100: 0.00 - 0.02 mm (0.000 - 0.001 in)

Stroke 120: 0.00 - 0.02 mm (0.000 - 0.001 in)

HINO TRUCKS

Service Manual System
Bulletin No. 06-05-0046
Issue Date: 5/20/2005

SERVICE INFORMATION BULLETIN



1. INSTALL CONNECTION ROD-BEARING

NOTE: The connecting rod bearing is located in the connecting rod and bearing cap.

- When mounting the bearing, make sure to install the bearing in the connecting rod and bearing cap.
- Install the bearing with the oil hole in the connecting rod and bearing cap.
- Make the bearing position with the hole in the connecting rod and cap.



2. Remove the connecting rod and bearing cap.

NOTE: The connecting rod and bearing cap are located in the connecting rod and bearing cap.



3. INSTALL THE CONNECTING ROD AND BEARING CAP

NOTE: The connecting rod and bearing cap are located in the connecting rod and bearing cap.



- When the installation, apply pressure to the piston pin, piston ring, cylinder wall and connecting rod bearing.
- Remove the connecting rod and bearing cap.

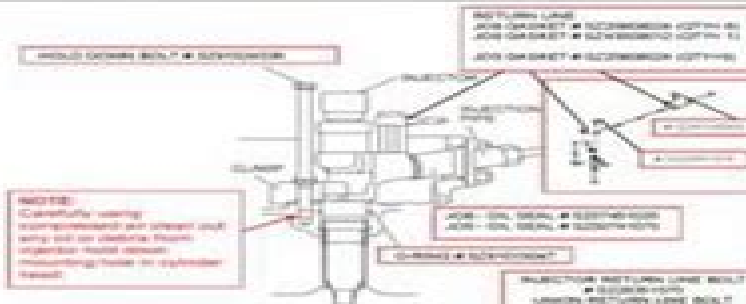


- Make sure that the oil hole is in the connecting rod and bearing cap.
- Do not damage the inside of the liner.

HINO TRUCKS

Tech Tip No. 06-003
Group: 22 - Fuel System
Issue Date: 06-05-0006

ENGINE TECH TIPS



NOTE: Consult with your dealer or Hino representative for the correct torque and direction of rotation for the injector.

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

Tightening Torque: 20 N·m (14.3 ft·lb)

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

Tightening Torque: 40 N·m (29.5 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 (0.9 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

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Table of Contents Hino Parts Manual

1. Understanding the eBook Hino Parts Manual
 - The Rise of Digital Reading Hino Parts Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Hino Parts Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Hino Parts Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Hino Parts Manual
 - Personalized Recommendations
 - Hino Parts Manual User Reviews and Ratings
 - Hino Parts Manual and Bestseller Lists

5. Accessing Hino Parts Manual Free and Paid eBooks
 - Hino Parts Manual Public Domain eBooks
 - Hino Parts Manual eBook Subscription Services
 - Hino Parts Manual Budget-Friendly Options
6. Navigating Hino Parts Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Hino Parts Manual Compatibility with Devices
 - Hino Parts Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Hino Parts Manual
 - Highlighting and Note-Taking Hino Parts Manual
 - Interactive Elements Hino Parts Manual
8. Staying Engaged with Hino Parts Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Hino Parts Manual
9. Balancing eBooks and Physical Books Hino Parts Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Hino Parts Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Hino Parts Manual
 - Setting Reading Goals Hino Parts Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Hino Parts Manual
 - Fact-Checking eBook Content of Hino Parts Manual
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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