



ISUZU COMMERCIAL TRUCK FORWARD TILTMASTER

NPR/NPR-HD/NQR/NRR

W3500/W4500/W5500/W5500HD

(DIESEL ENGINE)

SERVICE MANUAL (2006)

GENERAL INFORMATION

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0A-2 General Information

Cautions and Notices

Battery Disconnect Caution

Caution:

Before servicing any electrical component, the ignition key must be in the LOCK position and all electrical loads must be OFF, unless instructed otherwise in these procedures. If a tool or equipment could easily come in contact with a live exposed electrical terminal, also disconnect the negative battery cable. Failure to follow these precautions may cause personal injury and/or damage to the vehicle or its components.

Fuel Tube Caution

Caution:

In order to reduce the risk of fire and personal injury observe the following items:

- Replace all nylon fuel tubes that are nicked, scratched or damaged during installation, do not attempt to repair the sections of the nylon fuel pipes.
- Do not hammer directly on the fuel harness body clips when installing new fuel pipes. Damage to the nylon tubes may result in a fuel leak.
- Always cover nylon vapor pipes with a wet towel before using a torch near them. Also, never expose the vehicle to temperatures higher than 115°C (239°F) for more than one hour, or more than 90°C (194°F) for any extended period.
- Apply a few drops of clean engine oil to the male pipe ends before connecting fuel pipe fittings. This will ensure proper reconnection and prevent a possible fuel leak. (During normal operation, the O-rings located in the female connector will swell and may prevent proper reconnection if not lubricated.)

Road Test Caution

Caution:

Road test a vehicle under safe conditions and while obeying all traffic laws. Do not attempt any maneuvers that could jeopardize vehicle control. Failure to adhere to these precautions could lead to serious personal injury and vehicle damage.

Safety Glasses Caution

Caution:

Wear safety glasses in order to avoid eye damage.

SIR Caution

Caution:

This vehicle is equipped with a Supplemental Inflatable Restraint (SIR) System. Failure to follow the correct procedure could cause the following conditions:

- Personal injury

- Unnecessary SIR system repairs

In order to avoid the above conditions, observe the following guidelines:

- Refer to SIR Component Views in order to determine if you are performing service on or near the SIR components or the SIR wiring.
- If you are performing service on or near the SIR components or the SIR wiring, disable the SIR system. Refer to Disabling the SIR System in SIR.

Vehicle Lifting Caution

Caution:

To avoid any vehicle damage, serious personal injury or death when major components are removed from the vehicle and the vehicle is supported by a hoist, support the vehicle with jack stands at the opposite end from which the components are being removed.

Belt Dressing Notice

Notice:

Do not use belt dressing on the drive belt. Belt dressing causes the breakdown of the composition of the drive belt. Failure to follow this recommendation will damage the drive belt.

Fastener Notice

Notice:

Use the correct fastener in the correct location. Replacement fasteners must be the correct part number for that application. Fasteners requiring replacement or fasteners requiring the use of thread locking compound or sealant are identified in the service procedure. Do not use paints, lubricants, or corrosion inhibitors on fasteners or fastener joint surfaces unless specified. These coatings affect fastener torque and joint clamping force and may damage the fastener. Use the correct tightening sequence and specifications when installing fasteners in order to avoid damage to parts and systems.

Fuel Injector Balance Test Notice

Notice:

Do not repeat any portion of this test before running the engine in order to prevent the engine from flooding.