WORKSHOP MANUAL

NKR · NPR · NQR

GENERAL INFORMATION

SECTION 0





NOTICE

Before using this Workshop Manual to assist you in performing vehicle service and maintenance operations, it is recommended that you carefully read and thoroughly understand the information contained in Section 0A under the headings "GENERAL REPAIR INSTRUCTIONS" and "HOW TO USE THIS MANUAL".

All material contained in this Manual is based on latest product information available at the time of publication.

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Applicable Model

	N-Series	
NKR55	NPR55 NPR70	NQR70

This manual is applicable to 2000 year model.

THIS MANUAL INCLUDES THE FOLLOWING SECTIONS:

SECTION NO.	CONTENTS
0A	General Information
0B	Maintenance and Lubrication

SECTION 0A GENERAL INFORMATION

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GENERAL REPAIR INSTRUCTIONS

- Park the vehicle on level ground and chock the front or rear wheels before lifting the vehicle.
- Use covers on the vehicle body, seats, and floor to prevent damage and/or contaminations.
- Disconnect the grounding cable from the battery before performing service operations. This will prevent cable damage or burning due to shortcircuiting.
- 4. Raise the vehicle with a jack set against the axle or the frame.
- 5. Support the vehicle on chassis stands.
- Handle brake fluid and antifreeze solution with great care.
 Spilling these liquids on painted surfaces will damage the paint.
- 7. The use of the proper tool(s) and special tool(s) where specified is essential to efficient, reliable, and safe service operations.
- 8. Always use genuine ISUZU replacement parts.
- Discard used cotter pins, gasket, O-rings, oil seals, lock washers, and self-locking nuts at disassembly.
 Normal function of these parts cannot be guaranteed if they are reused.
- Keep the disassembled parts neatly in groups.
 This will facilitate smooth and correct reassembly.

- Keep fixing nuts and bolts separate.
 Fixing nuts and bolts vary in hardness and design according to installation positions.
- Clean all parts before inspection or reassembly.
- Clean the oil ports and other openings with compressed air to make certain that they are free of dirt and obstructions.
- Lubricate the rotating and sliding faces of all moving parts with oil or grease before installation.
- 15. Use the recommended liquid gasket to prevent leakage.
- Be sure to tighten bolts and nuts to the specified torque, using a properly maintained torque wrench.
- When service operation is completed, make a final check to be sure service has been done properly and problem has been corrected.
- 18. When removing or replacing parts that require refrigerant to the discharged from the Air conditioning system, be sure to use the ACR⁴ or equivalent to recover and recycle Refrigerant-134a, to promote the movement for the protection of the ozone layer covering the earth.
- 19. To assure safety, always slowly release air pressure from the air tanks before disconnecting pipes, hoses or other parts from any unit under pressure.

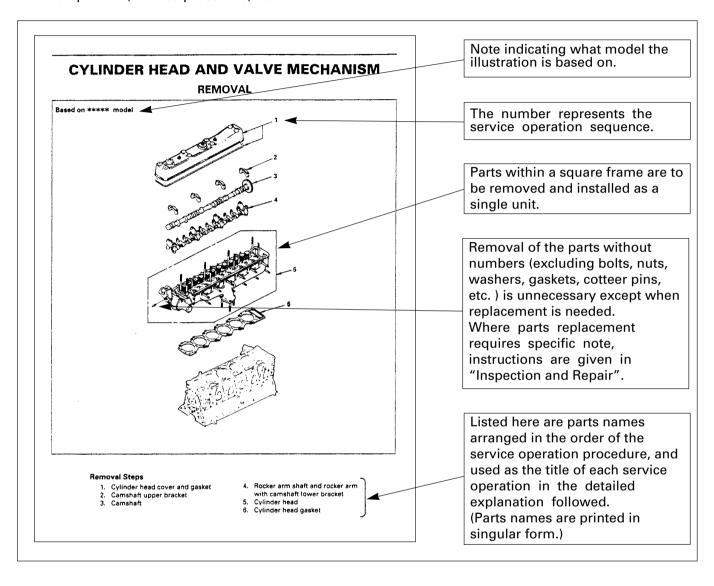
HOW TO USE THIS MANUAL

- 1. The "GENERAL INFORMATION" includes collectively the following items ① to ⑪ which have relations with all the sections. These items should be read and understood fully before starting each service operations.
 - (1) General Repair Instruction
 - (2) How To Use This Manual
 - (3) Model Change Information
 - (4) Lifting Instruction
 - **5** Torque Specification
 - 6 Recommended Liquid Gasket
 - (7) Liquid Gasket Application Procedure
 - (8) Maintenance Schedule
 - Recommended Fluids, Lubricants and Fuels
 - (10) Oil Viscosity Chart
 - (1) Lubrication Chart

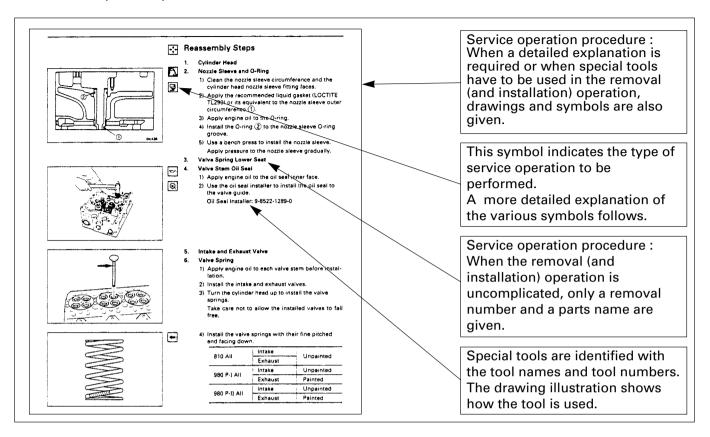
- 2. The "SERVICE INFORMATION" at the beginning of each service operation section, describes the following information and data (1) to (6) necessary for the service operation.
 - 1 Troubleshooting
 - (2) Main Data and Specifications
 - (3) Service Standard
 - 4 Servicing
 - (5) Fixing Torque
 - 6 Special Tools
- The description of each service operation section consists of Removal and Installation, Disassembly, Inspection and Repair and Reassembly.

 Each service operation section begins with a disassembly view of the unit of equipment (with exception of Inspection and Repair).

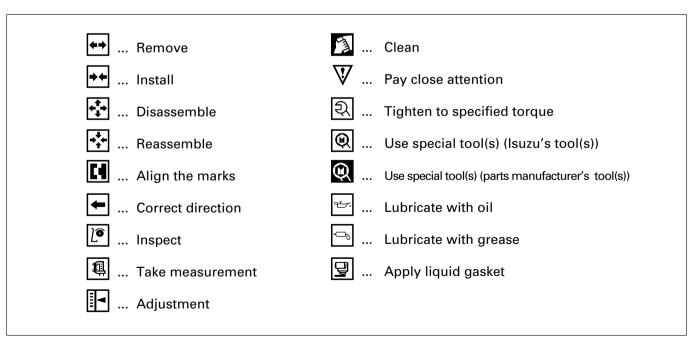
This illustration is useful for finding components, service procedure, etc.



5. Service operation procedure.



6. In this manual, the following symbols are used to give a full understanding of the service operation to be performed.

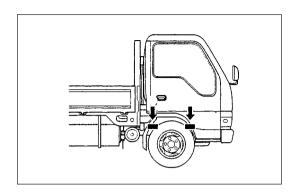


7. The service standard is indicated in terms of "Standard" and "Limit".

The "Standard" means the assembly standard and standard range within which the parts are

considered serviceable. "Limit" indicates the limit value (Correction or replacement is necessary when measurement is beyond this limit).

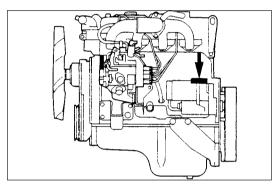
IDENTIFICATION



Chassis Number:

It is stamped on the front right-hand side face of the chassis side member.

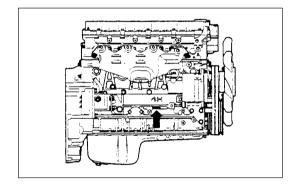
- 1): NKR model with independent front suspension.
- ②: NKR, NPR and NQR models with rigid axle front suspension.



Engine Number:

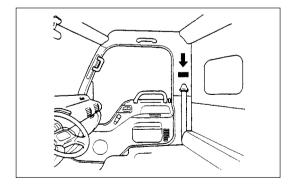
4J Series Engine

It is stamped on the left side rear of the cylinder body.



4H Series Engine

The engine number is stamped on the right side of the cylinder body.



Vehicle Identification plate

The vehicle identification plate is attached to the interior side of the cab side panel on the right side.

LIFTING INSTRUCTION

If it is necessary to use a lifting device other than the original equipment jack, see illustration for acceptable lifting points. Lifting should only be done at the positions indicated to prevent possible damage to the vehicle.



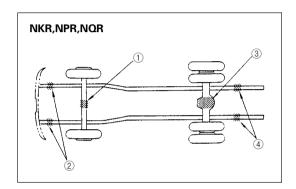
CAUTION:

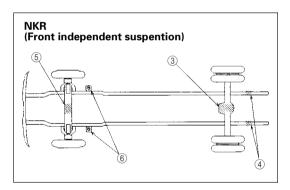
Failure to observe the acceptable lift points may result in unsatisfactory vehicle performance or a durability failure which may result in loss of control of the vehicle.

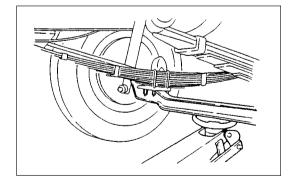
Garage Jack and Safety Stand

Lifting point and supportable point location

- (1) Front axle
- Side frame front side
- (3) Rear axle center
- (4) Side frame rear side
- (5) Suspension cross member
- 6 Jack up bracket







Front Side; Lifting Point

Note:

Do not lift or support on engine oil pan.