

**NISSAN**  
MODEL **LD20**  
&  
**LD28**  
DIESEL ENGINE  
SERVICE MANUAL



# NISSAN

## Model LD20 & LD28 Diesel Engine

### FOREWORD

This service manual has been prepared primarily for the purpose of assisting service personnel in providing effective service and maintenance of the model LD20 & LD28 diesel engine for vehicles.

This manual includes procedures for maintenance, adjustments, removal and installation, disassembly and assembly of components, and trouble-shooting.

All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of publication. If your engine differs from the specifications contained in this manual, consult your NISSAN distributor for information.

The right is reserved to make changes in specifications and methods at any time without notice.

### QUICK REFERENCE INDEX

ENGINE GENERAL ..... EG

ENGINE TUNE-UP ..... ET

ENGINE MECHANICAL ..... EM

ENGINE LUBRICATION &  
COOLING SYSTEMS ..... LC

ENGINE FUEL ..... EF

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# HOW TO USE THIS MANUAL

- This Service Manual is designed as a guide for servicing diesel engines for vehicles.
- A QUICK REFERENCE INDEX is provided on the first page. Refer to this index along with the index of the particular section you wish to consult.
- The first page of each section lists the contents and gives the page numbers for the respective topics.
- SERVICE DATA AND SPECIFICATIONS are contained in each section.
- TROUBLE DIAGNOSES AND CORRECTIONS are included in ET section. This feature of the manual lists the likely causes of trouble and recommends the appropriate corrective actions to be taken.
- A list of SPECIAL SERVICE TOOLS is included in each section. The special service tools are designed to assist you in performing repair safely, accurately and quickly.
- The measurements given in this manual are primarily expressed with the SI unit (International System of Unit), and alternately expressed in the metric system and in the yard/pound system.
- In the text, the following abbreviations are used:  

S.D.S.: Service Data and Specifications	L.H.: Left Hand
Τ : Tightening Torque	R.H.: Right Hand
- The captions CAUTION and WARNING warn you of steps that must be followed to prevent personal injury and/or damage to some part of the engine.



## IMPORTANT SAFETY NOTICE

The proper performance of service is essential for both the safety of the mechanic and the efficient functioning of the engine.

The service methods in this Service Manual are described in such a manner that the service may be performed safely and accurately.

Special service tools have been designed to permit safe and proper performance of service. Be sure to use them.

Service varies with the procedures used, the skills of the mechanic and the tools and parts available. Accordingly, anyone using service procedures, tools or parts which are not specifically recommended by NISSAN must first completely satisfy himself that neither his safety nor the engine's safety will be jeopardized by the service method selected.

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