MITSUBISHI

ENGINE 6G7 SERIES

WORKSHOP MANUAL

FOREWORD

This Workshop Manual contains procedures for removal, disassembly, inspection, adjustment, reassembly and installation, etc. for service mechanics.

All information, illustrations and product descriptions contained in this manual are current as at the time of publication. We, however, reserve the right to make changes at any time without prior notice or obligation.

Engine <up 2001="" to=""></up>

Engine <From 2002>11

FILING INSTRUCTION

Please keep these manual pages in the binder No. BN940001.

File these pages according to the signs "Added", "Revised" and "Deleted" on the "List of effective pages" which are interpreted below.

Added: File the pages with this sign addition-

ally in your manual.

Revised. Deleted: Replace the existing pages with the corresponding pages with

this sign.

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HOW TO USE THIS MANUAL

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PAGE NUMBERS

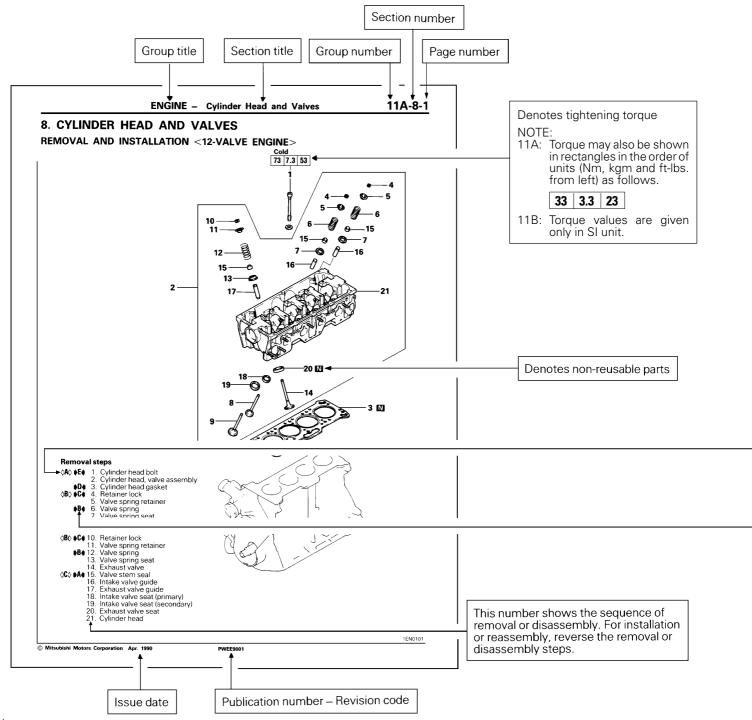
All page numbers consist of three sets of digits separated by a dash. The digits preceding the dash identify the number of the group and the second digits identify the section. The digits following the dash represent the consecutive page number within the section. The page numbers can be found on the top left or right of each page.

TEXT

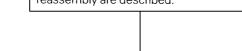
Unless otherwise specified, each service procedure covers all models. Procedures covering specific models and identified by the model codes, destination or similar designation (engine type, transmission type, etc.)

SERVICE PROCEDURES

The service steps are arranged in numerical order and attentions to be paid in performing vehicle service are described in detail in SERVICE POINTS.



Operating procedures, cautions, etc. on removal, installation, disassembly and reassembly are described.



Denotes service point for removal or disassembly.

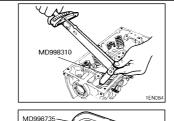
♠At is used in 11A.

◄A► is used in 11B.

ENGINE Cylinder Head and Valves 11A-8-3

SERVICE POINTS OF REMOVAL

♦A♦ REMOVAL OF CYLINDER HEAD BOLT



₫B♠ REMOVAL OF JET VALVE

(1) When loosening a jet valve, hold the special tool securely so that it is not tilted with respect to the jet valve center line. Also avoid applying force abruptly.



♦C♦ REMOVAL OF RETAINER LOCK

(1) Store removed valves, springs and other parts, tagged to indicate their cylinder No. and location for reassembly.

The valve spring retainers of the 12-valve engine di size between the intake and exhaust sides. Therefor the following retainer holders.

- (4) After installing valve guides, insert new valves in them to check for sliding condition.(5) When valve guides have been replaced check for valve contact and correct valve seats as necessary.



SERVICE POINTS OF REASSEMBLY

►♦A INSTALLATION OF VALVE STEM SEAL

(1) Install the valve spring seat.(2) The special tool must be used to install the valve stem seal. Improper installation could result in oil leaking past the valve

NOTE

The valve stem seal cannot be reused.

NOTE:

▶A is used in 11A.

►A is used in 11B.

Denotes service point for

installation or disassembly.

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▶B INSTALLATION OF VALVE SPRING

(1) Install the valve spring with the painted end on the rocker arm side.

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