

MITSUBISHI

FRONT WHEEL DRIVE

MANUAL TRANSMISSION

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.

FILING INSTRUCTION

Please keep these manual pages in the binder No. BN890001.

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 additionally in your manual.

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

Missing sheets will be supplied upon request.

Clutch **21A**

Manual Transmission **22A**
Model F4M21, F5M21, F5M22,
F5M31, F5M33, W5M31 and W5M33

Manual Transmission **22B**
Model KM182

Manual Transmission **22C**
Model W5MG1, W6MG1

 **MITSUBISHI MOTORS CORPORATION**

INTRODUCTION

EXPLANATION OF MANUAL CONTENTS

Maintenance and Servicing Procedures

- (1) A diagram of the component parts is provided near the front of each section in order to give the reader a better understanding of the installed condition of component parts.
- (2) The numbers provided within the diagram indicate the sequence for maintenance and servicing procedures; the symbol **N** indicates a non-reusable part; the tightening torque is provided where applicable.

- **Removal steps:**
The part designation number corresponds to the number in the illustration to indicate removal steps.
- **Disassembly steps:**
The part designation number corresponds to the number in the illustration to indicate disassembly steps.
- **Installation steps:**
Specified in case installation is impossible in reverse order of removal steps. Omitted if installation is possible in reverse order of removal steps.
- **Reassembly steps:**
Specified in case reassembly is impossible in reverse order of disassembly steps. Omitted if reassembly is possible in reverse order of disassembly steps.





Classification of Major Maintenance/Service Points

When there are major points relative to maintenance and servicing procedures (such as essential maintenance and service points, maintenance and service standard values, information regarding the use of special tools, etc.), these are arranged together as major maintenance and service points and explained in detail.

- ◁**Ad**: Indicates that there are essential points for removal or disassembly.
- ▷**Aa**: Indicates that there are essential points for installation or reassembly.

Symbols for Lubrication, Sealants and Adhesives

Information concerning the locations for lubrication and for application of sealants and adhesives is provided, by using symbols, in the diagram of component parts, or on the page following the component parts page, and explained.

-  Grease
(multipurpose grease unless there is a brand or type specified)
-  Sealant or adhesive
-  Brake fluid, automatic transmission fluid
or air conditioner compressor oil
-  Engine oil or gear oil

INTRODUCTION

Indicates the group title.

Indicates the section title.

Indicates the group number.

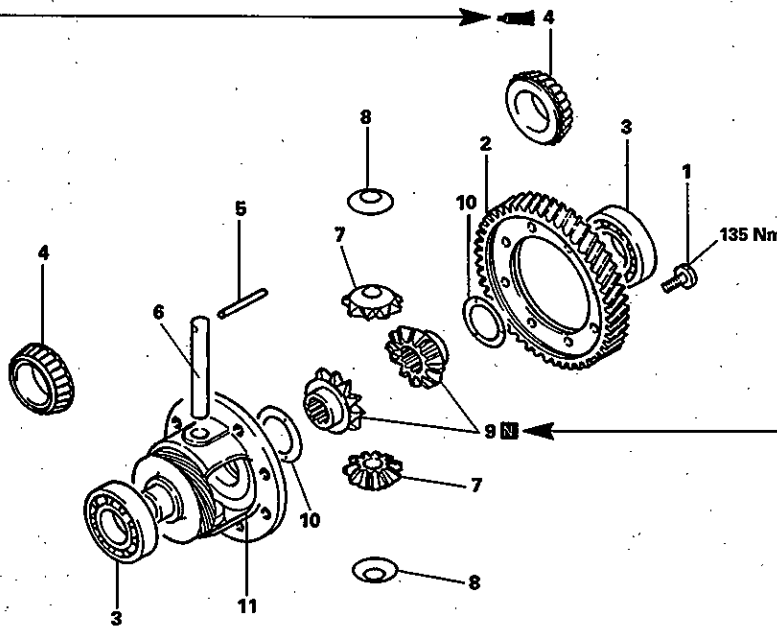
Indicates the section number.

Indicates the page number.

F4A3, W4A3 – Differential

23B-11-1

11. DIFFERENTIAL DISASSEMBLY AND REASSEMBLY



Denotes tightening torque
NOTE:
Torque may also be shown in rectangles in the order of units (Nm, kgm and ft-lbs. from left) as follows:

135 13.5 98

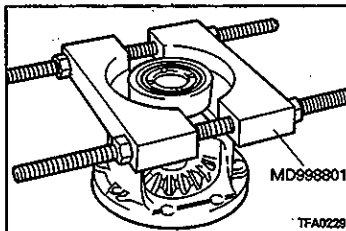
Denotes non-reusable part.

This number corresponds to the number appearing in "Removal steps", "Disassembly steps", "Installation steps" or "Reassembly steps".

Disassembly steps

- NE 1. Bolt
- 2. Differential drive gear
- AD 3. Ball bearing (W4A32, W4A33)
- BD 4. Taper roller bearing (F4A33)
- CD 5. Lock pin
- EA 6. Pinion shaft
- EA 7. Pinion
- EA 8. Washer
- EA 9. Side gear
- EA 10. Spacer
- EA 11. Differential case

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SERVICE POINTS OF DISASSEMBLY

- AD REMOVAL OF BALL BEARING
- (1) Use the special tool to remove the ball bearing.

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

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Revised

Issue date

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List of Effective Pages

Page	Revision code	Date	Remarks	Page	Revision code	Date	Remarks
21A-0-1	C	Feb. 1995		22A-3-17 to 22A-3-19		Nov. 1989	
21A-1-1	C	Feb. 1995		22A-3-20 and 22A-3-21	C	Feb. 1995	
21A-2-1		Nov. 1989		22A-3-22 to 22A-3-24		Nov. 1989	
21A-3-1 to 21A-3-3		Nov. 1989		22A-3-25	A	July 1990	
21A-3-3a and 21A-3-3b	C	Feb. 1995		22A-3-26		Nov. 1989	
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21A-5-1 and 21A-5-2	C	Feb. 1995		22A-5-2a	C	Feb. 1995	
				22A-5-2b	A	July 1990	
22A-0-1	C	Feb. 1995		22A-5-3 to 22A-5-5		Nov. 1989	
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22A-0-6a and 22A-0-6b	C	Feb. 1995		22A-5-9 to 22A-5-11	C	Feb. 1995	
22A-0-7 and 22A-0-8		Nov. 1989		22A-5-12	A	July 1990	
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22A-0-10	A	July 1990		22A-6-2		Nov. 1989	
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22B-0-1	A	July 1990	
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22B-8-1	A	July 1990	
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22C-0-1 to 22C-0-3	C	Feb. 1995	
22C-0-4	C	Feb. 1995	
22C-1-1	D	Oct. 1995	Revised

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22C-10-1 to 22C-10-5	C	Feb. 1995	
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22C-12-1	C	Feb. 1995	
22C-13-1	C	Feb. 1995	

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