# **MITSUBISHI**

# FRONT WHEEL DRIVE AUTOMATIC 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.

Automatic Transmission .....
F3A2, F4A2

23A

Automatic Transmission ..... F4A3, W4A3

23B

#### **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 having this sign.

Missing sheets will be supplied upon request.

## **EXPLANATION OF MANUAL CONTENTS**

#### Maintenance and Servicing Procedures

 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 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.

(A): Indicates that there are essential points for re-

moval or disassembly.

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)



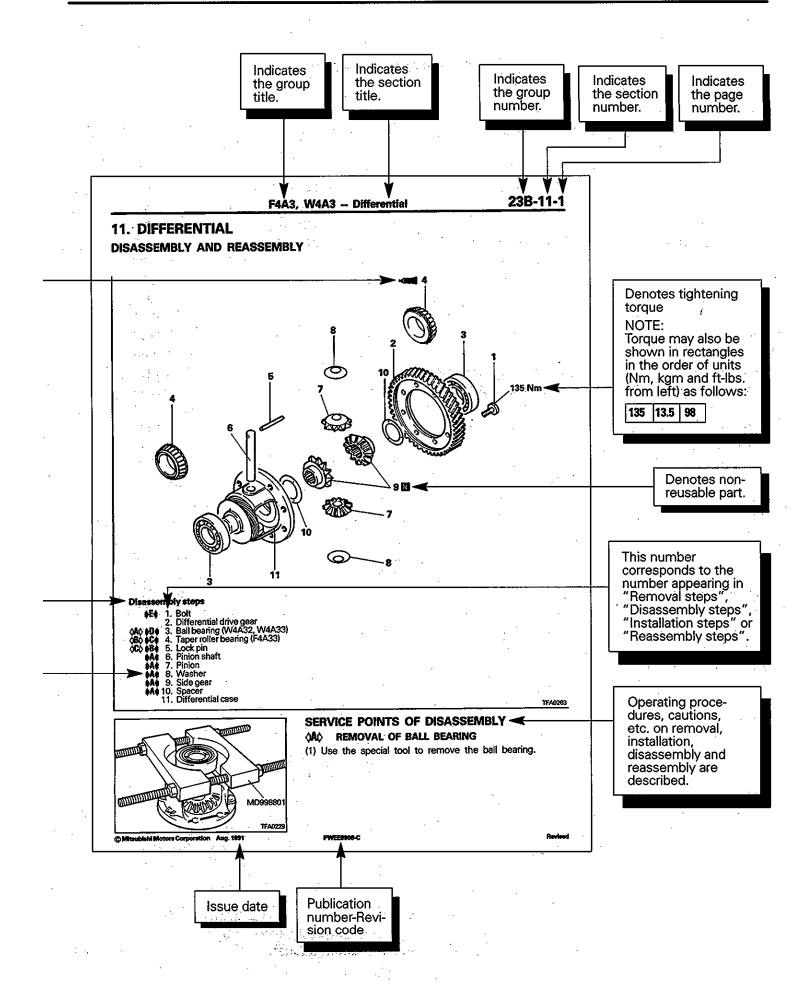
-----Sealant or adhesive



----Brake fluid, automatic transmission fluid or air conditioner compressor oil



-----Engine oil or gear oil



## **List of Effective Pages**

		•					
Page	Revision code	Date	Remarks	Page	Revision code	Date	Remarks
23A-0-1	E	Feb. 1994		23A-4-24	С	Aug. 1991	
23A-0-3 to 23A-0-5		Nov. 1989		23A-4-25 and 23A-4-26		Nov. 1989	
23A-0-6 to 23A-0-9	В	Dec. 1990	•	23A-4-27	D	Dec. 1992	
23A-0-9a and 23A-0-9b	С	Aug. 1991		23A-4-28 and 23A-4-29	С	Aug. 1991	
23A-0-10 to 23A-0-12	В	Dec. 1990		23A-4-30 to 23A-4-36	· D	Dec. 1992	e <sup>a</sup>
23A-0-13	С	Aug. 1991		23A-5-1	В	Dec. 1990	
23A-1-1	В.	Dec. 1990		23A-5-2		Nov. 1989	
23A-1-2	C ·	Aug. 1991		23A-6-1 and 23A-6-2	С	Aug. 1991	•
23A-1-2a	. с	Aug. 1991		23A-7-1 and 23A-7-2	Č.	Aug. 1991	
23A-1-2b	D	Dec. 1990		23A-7-3	•	Nov. 1989	
23A-1-2c	E	Feb. 1994		23A-8-1		Nov. 1989	
23A-1-2d	F	Oct. 1995	Revised	23A-8-2	С	Aug. 1991	
23A-1-2e and 23A-1-2f	F	Oct. 1995		23A-9-1 to 23A-9-3	Ŭ	Nov. 1989	,
23A-1-3 to 23A-1-5	. D	Dec. 1992		23A-10-1		Nov. 1989	
23A-1-6 to 23A-1-9	C	Aug. 1991		23A-10-2	С	Aug. 1991	
23A-1-10	Ď	Dec. 1992	•	23A-11-1	·	Nov. 1989	
23A-2-1 to 23A-2-6		Nov. 1989	· .	23A-12-1		Nov. 1989	
23A-3-1		Nov. 1989		23A-13-1 to 23A-13-3		Aug. 1991	
23A-3-2	D	Dec. 1992		23A-14-1 to 23A-14-5	.0	Nov. 1989	
23A-3-2a and 23A-3-2b	Č	Aug. 1991		23A-15-1 to 23A-15-3	D	Dec. 1992	
23A-3-3	C	Aug. 1991		23A-15-4		Nov. 1989	
23A-3-4 to 23A-3-4b	D	Dec. 1992		23A-15-5 and 23A-15-6	D	Dec. 1992	
23A-3-5 to 23A-3-25		Nov. 1989		23A-16-1	D	Nov. 1989	
23A-3-26 and 23A-3-27	D	Dec. 1992		23A-17-1		Nov. 1989	-
23A-3-28	D	Dec. 1992		23A-18-1		Nov. 1989	•
23A-4-1	D	Nov. 1989		23A-19-1		Nov. 1989	•
23A-4-2	D	Dec. 1992		23A-13-1		110V. 1909	
23A-4-2a to 23A-4-2d	E	Feb. 1994		23B-0-1	Е	Feb. 1994	
23A-4-3 to 23A-4-5	D	Dec. 1992		23B-0-3	,L D	Dec. 1994	
23A-4-5a and 23A-4-5b	D	Dec. 1992	•	23B-0-3a and 23B-0-3b	D	Dec. 1992 Dec. 1992	
23A-4-6 to 23A-4-12	Þ	Nov. 1989		23B-0-4	C	Aug. 1991	
23A-4-13	D	Dec. 1992		23B-0-5	D	Dec. 1992	
23A-4-13a and 13A-4-13b		Dec. 1992	_	23B-0-5a and 23B-0-5b	D	Dec. 1992 Dec. 1992	
23A-4-14	. D	Dec. 1992		23B-0-6 and 23B-0-7	C ·		
23A-4-15		Nov. 1989		the second secon		Aug. 1991	
23A-4-16	C	Aug. 1991		23B-1-1	E	Feb. 1994	Davisasi
23A-4-10 23A-4-17 and 23A-4-18	C	-		23B-1-1a	F	Oct. 1995	Revised
	C	Nov. 1989		23B-1-1b	· D	Dec. 1992	
23A-4-19	С	Aug. 1991		23B-1-2	E	Feb. 1994	
23A-4-20	C	Nov. 1989		23B-1-3	D .	Dec. 1992	
23A-4-21	С	Aug. 1991		23B-1-3a and 23B-1-3b	D	Dec. 1992	
23A-4-22 and 23A-4-23		Nov. 1989		23B-1-4 to 23B-1-7	С	Aug. 1991	

Page	Revision code	Date	Remarks	Page	Revision code	Date	Remarks
23B-1-8 and 23B-1-9	D	Dec. 1992		23B-4-27 to 23B-4-32	D	Dec. 1992	
23B-2-1	E	Feb. 1994		23B-5-1 and 23B-5-2	c <sup>'</sup>	Aug. 1991	-
23B-2-2 to 23B-2-5	С	Aug. 1991		23B-6-1 to 23B-6-4	С	Aug. 1991	
23B-3-1	E	Feb. 1994		23B-7-1	С	Aug. 1991	
23B-3-2	D	Dec. 1992		23B-7-2	D	Dec. 1992	
23B-3-2a and 23B-3-2b	С	Aug. 1991		23B-7-2a and 23B-7-2b	D	Dec. 1992	
23B-3-3 and 23B-3-4	D	Dec. 1992		23B-7-3	С	Aug. 1991	
23B-3-4a and 23B-3-4b	D	Dec. 1992		23B-7-4	D	Dec. 1992	
23B-3-5 to 23B-3-8	С	Aug. 1991		23B-8-1 and 23B-8-2	С	Aug. 1991	
23B-3-9	D	Dec. 1992		23B-9-1 to 23B-9-4	С	Aug. 1991	
23B-3-9a and 23B-3-9b	D	Dec. 1992		23B-10-1 and 23B-10-2	С	Aug. 1991	
23B-3-10 to 23B-3-13	С	Aug. 1991		23B-11-1 to 23B-11-3	С	Aug. 1991	
23B-3-14 and 23B-3-15	Ε	Feb. 1994	-	23B-12-1	С	Aug. 1991	
23B-3-16 to 23B-3-22	С	Aug. 1991		23B-13-1	С	Aug. 1991	
23B-3-23 to 23B-2-28	D	Dec. 1992		23B-14-1	С	Aug. 1991	
23B-4-1	Ε	Feb. 1994	•	23B-15-1 to 23B-15-3	С	Aug. 1991	
23B-4-2 to 23B-4-4	D	Dec. 1992		23B-15-4	E	Feb. 1994	
23B-4-4a and 23B-4-4b	D	Dec. 1992		23B-15-5	D	Dec. 1992	
23B-4-5 to 23B-4-8	С	Aug. 1991	•	23B-16-1 and 23B-16-2	С	Aug. 1991	
23B-4-9	D	Dec. 1992		23B-17-1 to 23B-17-3	С	Aug. 1991	
23B-4-9a and 23B-4-9b	D	Dec. 1992	•	23B-18-1	С	Aug. 1991	
23B-4-10 to 23B-4-16	С	Aug. 1991	٠.,	23B-19-1 to 23B-19-5	С	Aug. 1991	
23B-4-17	Ε	Feb. 1994	•	23B-20-1 to 23B-20-3	С	Aug. 1991	
23B-4-18	С	Aug. 1991		23B-21-1 to 23B-21-3	С	Aug. 1991	
23B-4-19	Ε	Feb. 1994		23B-22-1	С	Aug. 1991	
23B-4-20 to 23B-4-26	С	Aug. 1991		23B-23-1	C	Aug. 1991	

Missing sheets will be supplied upon request.

PWEE8908-F