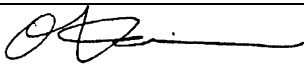




# SERVICE BULLETIN

PUBLICATION GROUP, AFTER SALES SERVICE DEP.  
MITSUBISHI MOTOR SALES EUROPE BV

<b>SERVICE BULLETIN</b>		<b>No.:</b> ESB-97E22-503	
		<b>Date:</b> 1997-12-05	<b>&lt;Model&gt;</b> (EC,EXP) CARISMA
<b>Subject:</b> CORRECTION TO GEAR RATIO AND FINAL REDUCTION RATIO FOR MANUAL TRANSMISSION			<b>&lt;M/Y&gt;</b> 96-10
<b>Group:</b> MANUAL TRANSMISSION			
<b>CORRECTION</b>		 O. Kai - E.V.P. & G.M. After Sales Service Dept.	

## 1. Description:

This Service Bulletin informs you of correction to gear ratio and final reduction ratio for the manual transmission

## 2. Applicable Manuals:

Manual	Pub. No.	Language	Page(s)
'96 CARISMA Workshop Manual chassis	PWDE9502	(English)	22-2
	PWDS9503	(Spanish)	
	PWDF9504	(French)	
	PWDG9505	(German)	
	PWDD9506	(Dutch)	
	PWDW9507	(Swedish)	
	PWDI96E1	(Italian)	
'98 CARISMA (except GDI) Workshop Manual chassis	PWDE9502-B	(English)	<Newly added*>
	PWDS9503-B	(Spanish)	
	PWDF9504-B	(French)	
	PWDG9505-B	(German)	
	PWDD9506-B	(Dutch)	
	PWDW9507-B	(Swedish)	
	PWDI96E1-B	(Italian)	

## 3. Details:

### NOTE

\*: to be added between Group 17 (17-4) and Group 23 (23-1).

## GENERAL INFORMATION

22100010038

The F5MR1 and F5MR2 manual transmissions are designed.

Items		Specifications
Model		F5MR1, F5MR2
Type		Manual, 5-speed, Front wheel drive
Gear ratio	1st	3.363
	2nd <Incorrect>	2.074 ← <b>2.047</b> <Correct>
	3rd	1.321
	4th <Incorrect>	0.967 ← <b>0.966</b> <Correct>
	5th <Incorrect>	0.705 ← <b>0.794</b> <Correct>
	Reverse <Incorrect>	3.550 ← <b>3.545</b> <Correct>
Final reduction ratio <Incorrect>		4.067 ← <b>4.066</b> <Correct>

## LUBRICANTS

22100040037

Item	Specified lubricant	Quantity ℓ
Transmission oil	Elf Tranself TRX 75W-80W (XT3556)	3.4

## GROUP 22

# MANUAL TRANSMISSION

### GENERAL

#### OUTLINE OF CHANGES

The 4G92 engine equipped cars that have engine output of 73 kW (100 PS) have been added. Accordingly, the F5MR1 manual transmission has been changed from the conventional one in 2nd speed gear ratio and final reduction ratio.

Maintenance procedure for the transmission is the same as for the conventional F5MR1 manual transmission.

### GENERAL INFORMATION

specifications for the F5MR1 manual transmission installed on the 4G92 engine equipped car that has engine output of 73 kW (100 PS), are as listed below.

Items		Specifications
Model		F5MR1
Type		Manual, 5-speed, Front wheel drive
Gear ratio	1st	3.363
	2nd	1.864
	3rd	1.321
	4th	0.966
	5th	0.794
	Reverse	3.545
Final reduction ratio		3.867