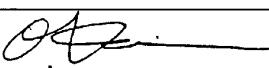




SERVICE BULLETIN

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

SERVICE BULLETIN		No.: ESB-99E35-001	
		Date: 1999-08-31	
Subject:	CHANGE TO LIMIT OF FRONT BRAKE DISC THICKNESS	<Model>	<M/Y>
Group:	SERVICE BRAKE	(EC) CARISMA	96-10
CORRECTION		 O. Kai — E.V.P. & G.M. After Sales Service Dept.	

1. Description:

On the 1.8-liter engine equipped car, limit of the front brake disc thickness has been changed.
(The standard value remains unchanged.)

2. Applicable Manuals:

Manual	Pub. No.	Language	Page(s)
'96 CARISMA	PWDE9502	(English)	35A-4, 35A-12
Workshop Manual Chassis	PWDS9503	(Spanish)	
	PWDF9504	(French)	
	PWDG9505	(German)	
	PWDD9506	(Dutch)	
	PWDW9507	(Swedish)	
	PWDI96E1	(Italian)	

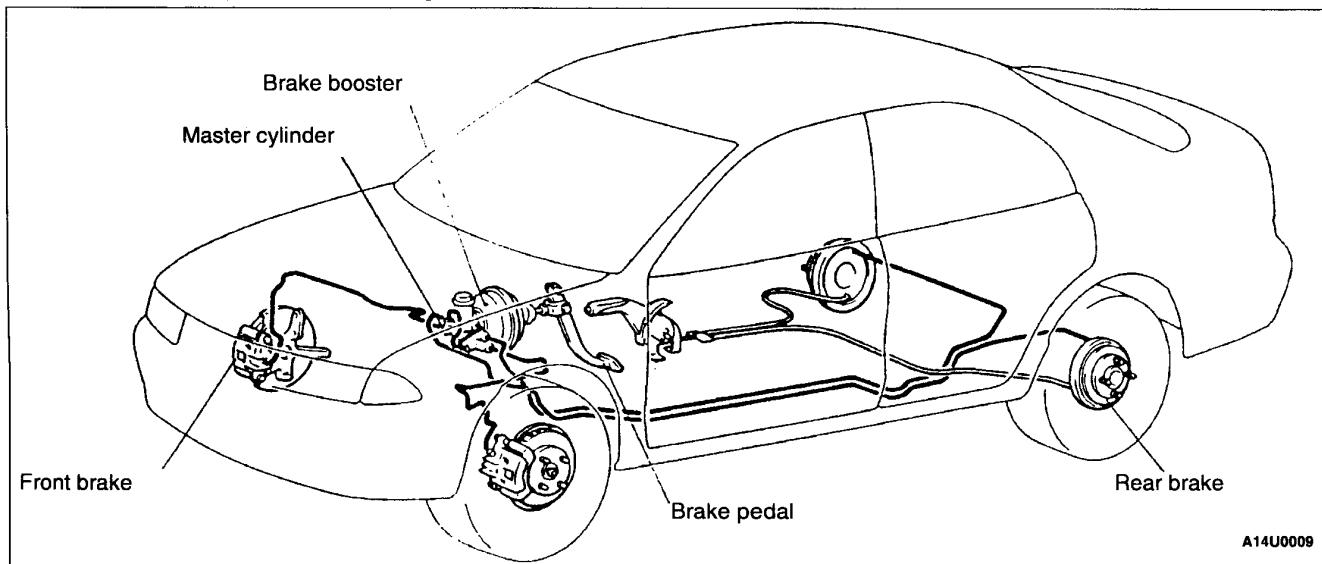
3. Interchangeability:

Not interchangeable

4. Effective Date:

From February 12, 1996
(Chassis No.: XMCLNDA2ATF024244 and up)

CONSTRUCTION DIAGRAM



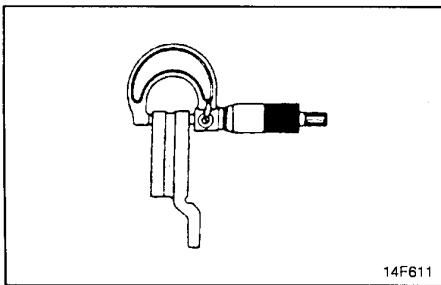
SERVICE SPECIFICATIONS

35100030058

Items			Standard value	Limit
Brake pedal height mm	L.H. drive vehicles		163.5 -166.5	—
	R.H. drive vehicles		162.5 - 165.5	—
Brake pedal free play mm			3 - 8	—
Brake pedal to floor board clearance mm			80	—
Proportioning valve	Split point Mpa		1600 3.43 ± 0.25	—
	1800 3.92 ± 0.25			—
	Output fluid pressure (input fluid pressure) Mpa		1600 5.03 ± 0.4 (9.81)	—
	1800 5.39 ± 0.4 (9.81)			—
	Output fluid pressure difference between left and right Mpa		—	0.8
Brake booster push rod to master cylinder piston clearance mm			0.6 - 0.8	—
Front disc brake	Pad thickness mm		10.0	2.0
	Disc thickness mm	1600	18.0	16.4
		1800	24.0	22.4
	Disc runout mm		—	0.07
	Drag force (tangential force of wheel mounting bolts) N		40 or less	—

<New>
<From February 12, 1996> → **21.5**

<Old>
<Up to February 11, 1996>



BRAKE DISC THICKNESS CHECK

35100160047

1. Using a micrometer, measure disc thickness at eight positions, approximately 45° apart and 10 mm in from the outer edge of the disc.

Brake disc thickness

Standard value:

<1600> 18.0 mm
<1800> 24.0 mm

<New>

21.5 mm

<From February 12, 1996>

Limit:

<1600> 16.4 mm
<1800> 22.5 mm

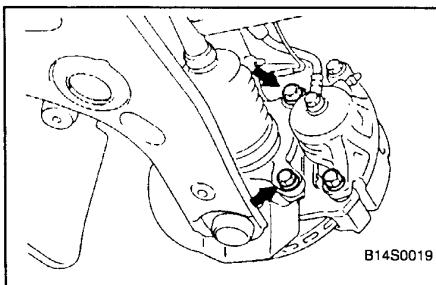
<Old>

<Up to February 11, 1996>

Thickness variation (at least 8 positions)

The difference between any thickness measurements should not be more than 0.015 mm.

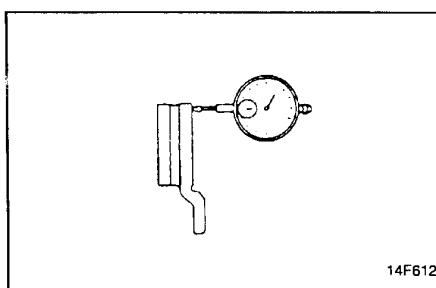
2. If the disc is beyond the limits for thickness, remove it and install a new one. If thickness variation exceeds the specifications, replace the brake disc or turn rotor with on the car type brake lathe ("MAD, DL-8700PF" or equivalent).



BRAKE DISC RUN-OUT CHECK

35100170040

1. Remove the caliper support: then raise the caliper assembly upward and secure by using wire.
2. Inspect the disc surface for grooves, cracks and rust. Clean the disc thoroughly and remove all rust.



3. Place a dial gauge approximately 5 mm from the outer circumference of the brake disc, and measure the run-out of the disc.

Limit: 0.07 mm or less

NOTE

Tighten the nuts in order to secure the disc to the hub.

