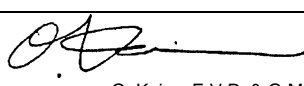


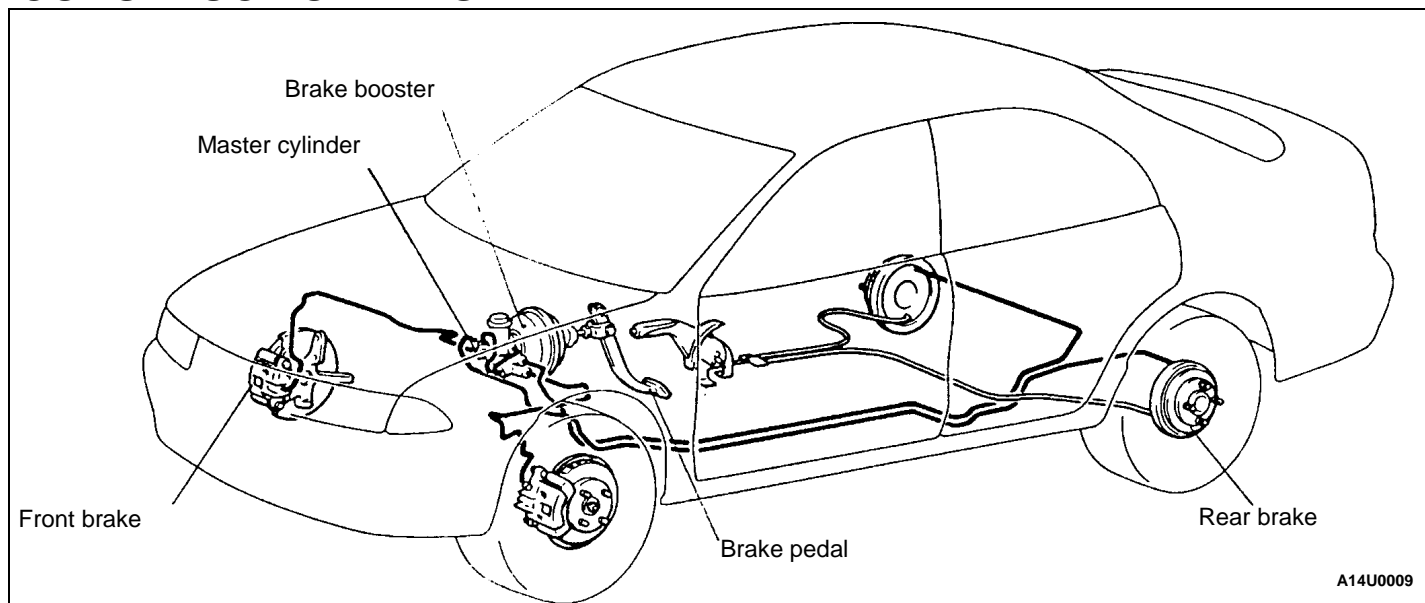


SERVICE BULLETIN

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

SERVICE BULLETIN		No.: ESB-99E35-001																					
		Date: 1999-08-31	<Model> (EC) CARISMA <M/Y> 96-10																				
Subject: CHANGE TO LIMIT OF FRONT BRAKE DISC THICKNESS																							
Group: SERVICE BRAKE																							
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: <table border="1"> <thead> <tr> <th>Manual</th> <th>Pub. No.</th> <th>Language</th> <th>Page(s)</th> </tr> </thead> <tbody> <tr> <td rowspan="7">'96 CARISMA Workshop Manual Chassis</td> <td>PWDE9502</td> <td>(English)</td> <td rowspan="7">35A-4, 35A-12</td> </tr> <tr> <td>PWDS9503</td> <td>(Spanish)</td> </tr> <tr> <td>PWDF9504</td> <td>(French)</td> </tr> <tr> <td>PWDG9505</td> <td>(German)</td> </tr> <tr> <td>PWDD9506</td> <td>(Dutch)</td> </tr> <tr> <td>PWDW9507</td> <td>(Swedish)</td> </tr> <tr> <td>PWDI96E1</td> <td>(Italian)</td> </tr> </tbody> </table>				Manual	Pub. No.	Language	Page(s)	'96 CARISMA Workshop Manual Chassis	PWDE9502	(English)	35A-4, 35A-12	PWDS9503	(Spanish)	PWDF9504	(French)	PWDG9505	(German)	PWDD9506	(Dutch)	PWDW9507	(Swedish)	PWDI96E1	(Italian)
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	PWDI96E1	(Italian)																					
3. Interchangeability: Not interchangeable																							
4. Effective Date: From February 12, 1996 (Chassis No.: XMCLNDA2ATF024244 and up)																							

CONSTRUCTION DIAGRAM



SERVICE SPECIFICATIONS

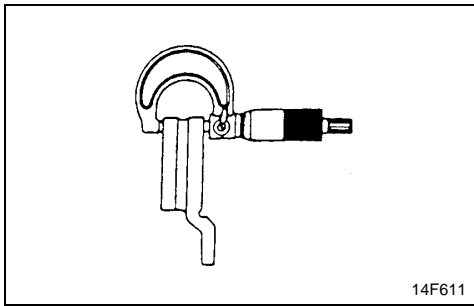
35100030058

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

- 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

Limit:

<1600> 16.4 mm

<1800> 22.5 mm

<New>

21.5 mm

<From February 12, 1996>

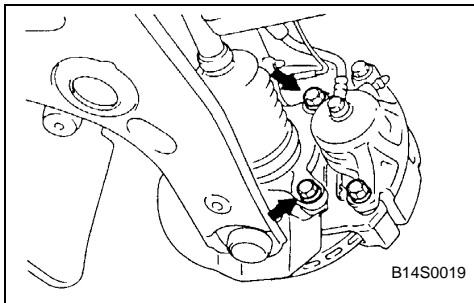
<Old>

<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.

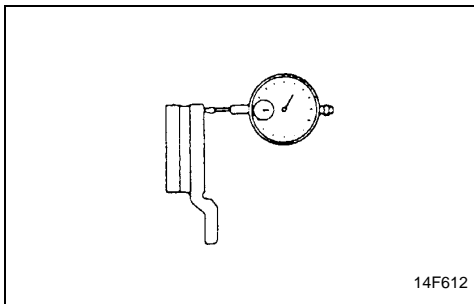
- If the disc is beyond the limits for thickness, remove it and install a new one. If thickness variation exceeds the specifications, replace the brake disc or turn rotor with on the car type brake lathe ("MAD, DL-8700PF" or equivalent).



BRAKE DISC RUN-OUT CHECK

35100170040

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



- 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.

