

SERVICE BULLETIN

QUALITY INFORMATION ANALYSIS
OVERSEAS SERVICE DEPT. MITSUBISHI MOTORS CORPORATION

SERVICE BULLETIN		No.: MSB-99E55-503	
Date: 1999-12-15		<Model> (EC,EXP) L200	<M/Y> 97-10 (K00)
Subject: OMISSION OF DISASSEMBLY / REASSEMBLY OF A/C COMPRESSOR ASSEMBLY			
Group: HEATER, A/C & VENTILATION	Draft No.: 99SY060115		

1. Description:

Omission has been rectified of a description of the disassembly / reassembly of the A/C compressor assembly under Compressor and Tension Pulley.

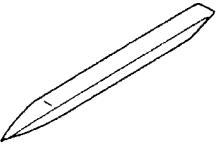
2. Applicable Manuals:

Manual	Pub. No.	Language	Page(s)
'97 L200 Workshop Manual Chassis	PWTE96E1	(English)	55-5, 32
	PWTS96E1	(Spanish)	
	PWTF96E1	(French)	
	PWTG96E1	(German)	

3. Details:

'97 L200 Workshop Manual Chassis, page 2,3,4,5

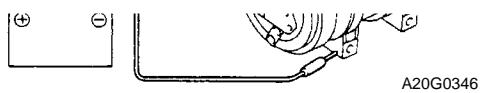
SPECIAL TOOL

Tool	Number	Name	Use
	MB990784	Ornament remover	Meter bezel assembly removal

TROUBLESHOOTING

Trouble symptom	Problem cause	Remedy	Reference page
	A/C compressor relay is defective	Replace A/C compressor relay	55-16
	Magnetic clutch is defective	Replace the A/C compressor	55-6, 30
	Refrigerant leak or overfilling of refrigerant	Replenish the refrigerant, repair the leak or take out some of the refrigerant	55-6, 14
	Dual pressure switch is defective	Replace the dual pressure switch	55-7, 35
	A/C switch is defective	Replace the A/C switch	55-21, 23
	Blower switch is defective	Replace the blower switch	55-21, 23
	Thermostat is defective	Replace the Thermostat	55-29
Engine coolant temperature switch (for A/C			

Magnetic clutch
connector



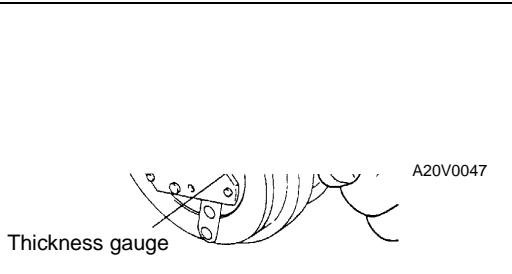
A20G0346

INSPECTION

COMPRESSOR MAGNETIC CLUTCH OPERATION CHECK

55200850105

Connect the battery (+) terminal to the compressor side terminal, and earth the battery (-) terminal to the body of the compressor. The condition is normal if the sound of the magnetic clutch (click) can be heard.



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Thickness gauge

COMPRESSOR MAGNETIC CLUTCH AIR GAP CHECK

55201110011

Check whether or not the air gap of the clutch is within the standard value.

Standard value: 0.3 – 0.6 mm

See the Following two pages.

MAGNETIC CLUTCH

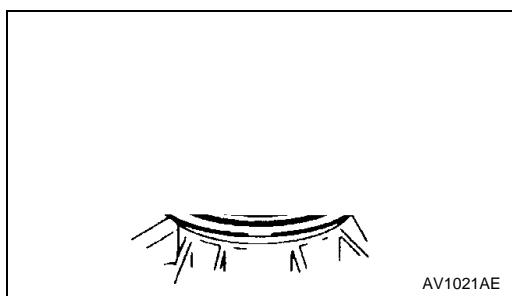
DISASSEMBLY AND REASSEMBLY



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- B◀ Magnetic clutch disassembly steps
- Air gap adjustement
 - 1. Armature plate
 - 2. Shims

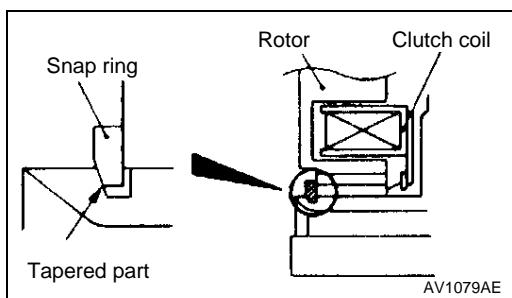
- A◀ 3. Snap ring
4. Rotor
5. Snap ring
6. Clutch coil



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DISASSEMBLY SERVICE POINTS

◀A▶ ARMATURE PLATE REMOVAL



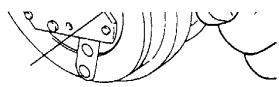
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REASSEMBLY SERVICE POINTS

►A◀ SNAP RING INSTALLATION

Install the snap ring so that the tapered surface is at the outer side.

<Added>



Thickness gauge

A20V0047

►B◀ AIR GAP ADJUSTMENT

Check whether or not the air gap of the clutch is within the standard value.

Standard value: 0.3 – 0.6 mm

Note

If there is a deviation of the air gap from the standard value, make the necessary adjustment by adjusting the number of shims.

<Added>