



SERVICE BULLETIN

QUALITY INFORMATION ANALYSIS
OVERSEAS SERVICE DEPT. MITSUBISHI MOTORS CORPORATION

SERVICE BULLETIN		No.: MSB-97E55-001	
		Date: 1998-04-15	
Subject: CHANGE IN AIR GAP FOR A/C COMPRESSOR		<Model> (EC,EXP) 3000GT (Z10 (EX,EXP) L400 (PA0V) (EC,EXP) COLT (CJ0A) (EX,EXP) LANCER (CK0A)	<M/Y> 96-10 96-10 96-10 96-10
Group: HEATER, A/C & VENTILATION	Draftno: 97-AL-021		
INFORMATION	OVERSEAS SERVICE DEPT	<i>R. Usami</i> R. USAMI - MANAGER QUALITY INFORMATION ANALYSIS	

1. Description:

This Service Bulletin informs you of change in air gap of the clutch for the A/C compressor.

2. Applicable Manuals:

Manual	Pub. No.	Language	Page(s)
COLT/LANCER Workshop Manual	PWME9117-D	(English)	55-2-1, 45-1
	PWMS9118-D	(Spanish)	
	PWMF9119-D	(French)	
	PWVG9120-D	(German)	
	PWMD9121-D	(Dutch)	
	PWMW9122-D	(Swedish)	
3000GT Workshop Manual	PWUE9119-D	(English)	55-2, 50
'95 L400 Workshop Manual	PWWE9410	(English)	55-5, 68
	PWWS9411	(Spanish)	
	PWWF9412	(French)	
	PWWG9413	(German)	
	PWWD9414	(Dutch)	
	PWWW9415	(Swedish)	
'96 COLT/LANCER Workshop Manual	PWME9511	(English)	55-4, 31
	PWMS9512	(Spanish)	
	PWMF9513	(French)	
	PWVG9514	(German)	
	PWMD9515	(Dutch)	
	PWMW9516	(Swedish)	
'97 GALANT Workshop Manual	PWDE9611	(English)	55-4, 66
	PWDS9612	(Spanish)	
	PWDF9613	(French)	
	PWDG9614	(German)	
	PWDD9615	(Dutch)	
	PWDW9616	(Swedish)	

3. Effective Date:

Applicable vehicle	Effective Date
LANCER WAGON	From May 28, 1997
3000 GT	From February 5, 1997
L400	From June 4, 1997
COLT/LANCER	From April 18, 1997
GALANT	From March 5, 1997

4. Details

COLT/LANCER Workshop Manual, page 3, 4

3000GT Workshop Manual, page 5, 6

'95 L400 Workshop Manual, page 7, 8

'96 COLT/LANCER Workshop Manual, page 9, 10

'97 GALANT Workshop Manual, page 11, 12

Caution**Do not Heat R-134a above 40°C**

In most instances, moderate heat is required to bring the pressure of the refrigerant in its container above the pressure of the system when charging or adding refrigerant.

A bucket or large pan of hot water not over 40°C is all the heat required for this purpose. Do not heat the refrigerant container with a blowtorch or any other means that would raise temperature and pressure above this temperature. Do not weld or steam clean on or near the system components or refrigerant lines.

Caution

Keep R-134a containers upright when charging the system.

When metering R-134a into the refrigeration system keep the supply tank or cans in an upright position. If the refrigerant container is on its side or upside down, liquid refrigerant will enter the system and damage the compressor.

Caution

- 1. The leak detector for R-134a should be used to check for refrigerant gas leaks.**
- 2. Do not allow liquid refrigerant to touch bright metal.**

Refrigerant will tarnish bright metal and chrome surfaces, and in combination with moisture can severely corrode all metal surfaces.

SERVICE SPECIFICATIONS

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Items	Standard value
Idle speed r/min	4G1, 4G9 (except MVV)
	4G9 (MVV)
Idle up speed r/min	750 ± 100
Resistor (for blower motor) <L.H. drive vehicles> Ω	700 ± 100
Resistor (for blower motor) <R.H. drive vehicles> Ω	850 ± 100
Air gap (Magnetic clutch)	LO: 2.21, ML: 0.97, MH: 0.35
	LO: 2.81, ML: 1.28, MH: 0.33
	0.40 - 0.65 <Old>

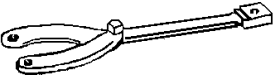
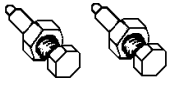
LUBRICANTS<New> **0.3 - 0.5**

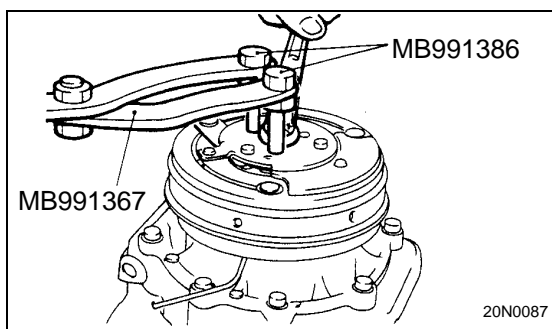
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Items	Specified lubricants	Quantity
Each connection of refrigerant line	SUN PAG 56	As required
Compressor refrigerant unit lubricant ml	SUN PAG 56	120

SPECIAL TOOLS

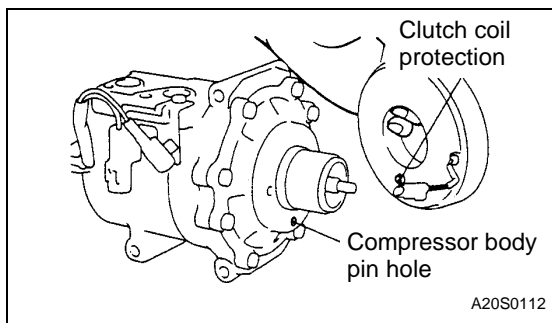
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Tool	Number	Name	Use
	MB991367	Special spanner	Removal and installation of armature mounting nut of compressor
	MB991386	Pin	Removal and installation of armature mounting nut of compressor



DISASSEMBLY SERVICE POINT

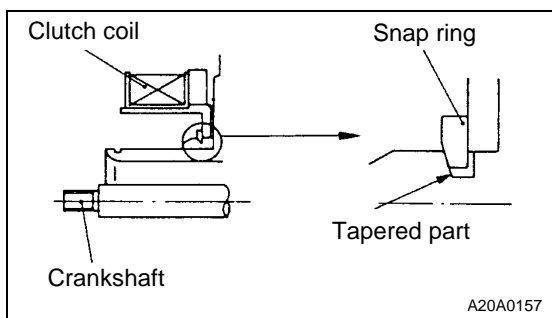
◀ A ▶ NUT REMOVAL



REASSEMBLY SERVICE POINTS

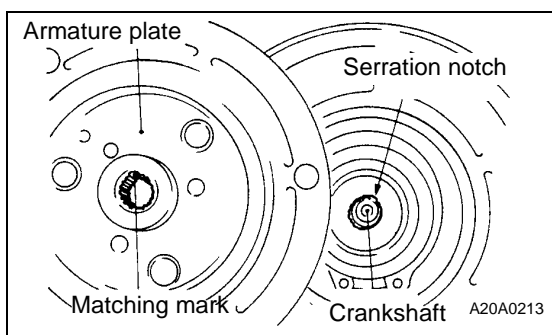
▶ C ◀ CLUTCH COIL INSTALLATION

When installing the clutch coil to the A/C compressor body, install so that the pinhole of the A/C compressor body and the clutch coil projection are aligned.



▶ B ◀ SNAP RING INSTALLATION

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

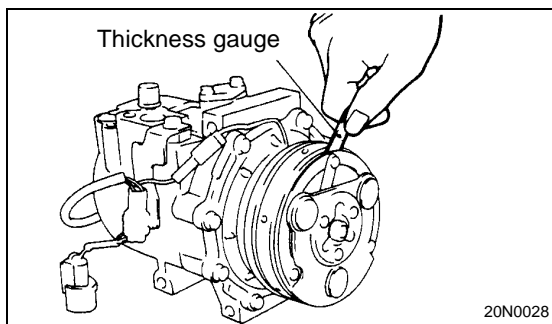


▶ C ◀ ARMATURE PLATE INSTALLATION

Align the matching mark of the crankshaft spline and the matching mark of the armature plate, and then fit them together.

▶ D ◀ NUT INSTALLATION

Use the special tool to hold the magnet clutch, and tighten the nut in the same manner as removal.



▶ E ◀ AIR GAP ADJUSTMENT

Check whether or not the air gap of the clutch is within the standard value. ~~<Old>~~

Standard value: ~~0.40 - 0.65~~ 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.

<New> 0.3 - 0.5