



MEDIC UPDATE

TECHNICAL SERVICE BULLETIN

SUBJECT:		No: TSB-08-55-006	
CORRECTIONS TO SERVICE PROCEDURES FOR A/C COMPRESSOR - SERVICE MANUAL REVISION		DATE: April, 2008	
		MODEL: 2008 Outlander	
CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input type="checkbox"/> WARRANTY PROCESSOR	<input type="checkbox"/> SALES MANAGER
TSB Revision: TSB-08-55-006			

PURPOSE

The specifications for Lubricants and details regarding Removal and Installation of the A/C compressor are incorrect in the Service Manual. This Technical Service Bulletin provides the corrected information.

AFFECTED VEHICLE(S)

2008 Outlander built after October 1, 2007

APPLICABLE MANUAL(S)

Manual	Pub. No.	Description	Attachments
2008 OUTLANDER Service Manual	MSCD-007B-2008	Lubricants Pg 55A-5	1
		Compressor Assembly Removal & Installation. Pg. 55A-123	2
		Disassembly and Assembly Inspection. Pg 55A-125	3

Attachment 1

HEATER, AIR CONDITIONING AND VENTILATION
SERVICE SPECIFICATIONS

55A-5

Item		Manual air conditioning
Compressor	3000	QS90 (Scroll type)
Refrigerant	Type	R134a (HFC-134a)
	Amount g (oz)	480 - 520 (16.9 - 18.3)

SERVICE SPECIFICATIONS

M1552000300612

Item		Standard value	
Idle speed r/min		650 ± 50	
Idle-up speed r/min		800 ± 50	
Air gap (A/C compressor clutch) mm (in)	2400	0.30 - 0.50 (0.012 - 0.020)	
	3000	0.25 - 0.45 (0.010 - 0.017)	
Cooling temperature switch	2400	Less than 2 ohms	slightly below 155° C (311° F)
		No continuity	155° C (311° F) or more [up to 125° C (257° F) when temperature drops]
	3000	Less than 2 ohms	slightly below 135° C (275° F)
		No continuity	135° C (275° F) or more [up to 120° C (248° F) when temperature drops]

LUBRICANTS

M1552000400578

Item		Specified lubricant	Quantity
Each connection of refrigerant line	2400	SUN PAG 56	As required
	3000	S10X	As required
Compressor refrigerant unit lubricant cm ³ (fl.oz)	2400	SUN PAG 56	80 (2.7)
	3000	S10X	70 (2.4)

<Correct>

SUN PAG 56 or S10X

<Incorrect>

SEALANT <3000>

M1552023400063

Item	Specified sealant	Quantity
Cooling temperature switch	KE-347W	As required

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Attachment 2

HEATER, AIR CONDITIONING AND VENTILATION
COMPRESSOR ASSEMBLY

55A-123

REMOVAL AND INSTALLATION <3000>

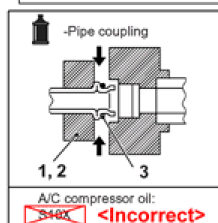
M1552004401346

Pre-removal Operation

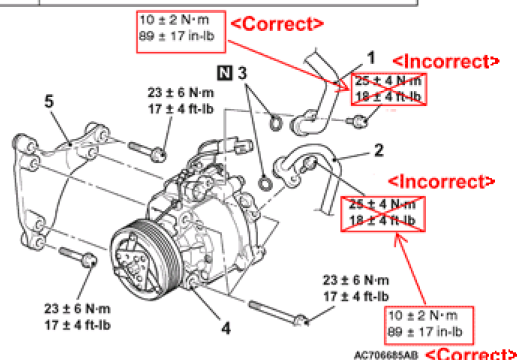
- Refrigerant Discharging (Refer to P.55A-104).
- Front Bumper Under Cover (Refer to GROUP 51, front bumper).
- Front Under Cover RH (Refer to GROUP 51, under cover).
- Drive belt removal (Refer to GROUP 11C, Crankshaft pulley).

Post-installation Operation

- Drive belt installation (Refer to GROUP 11C, Crankshaft pulley).
- Drive Belt Tension Adjustment (Refer to GROUP 11C, on-vehicles service –generator drive belt tension check).
- Refrigerant Charging (Refer to P.55A-104).
- Front Bumper Under Cover (Refer to GROUP 51, FRONT BUMPER).
- Front Under Cover RH (Refer to GROUP 51, UNDER COVER).



SUN PAG 56 or S10X
<Correct>



AC706085AB <Correct>

<<A>>
<<A>>

Removal steps

1. Flexible discharge hose connection
2. Flexible suction hose connection
3. O-ring

<>

Removal steps (Continued)

4. A/C compressor
5. A/C compressor bracket

NOTE: The service points which are not described are the same as before.

REMOVAL SERVICE POINTS

<<A>> FLEXIBLE SUCTION HOSE AND FLEXIBLE DISCHARGE HOSE DISCONNECTION

⚠ CAUTION

As the compressor oil and receiver are highly moisture absorbent, use a non-porous material to plug the hose and nipples.

To prevent the entry of dust or other foreign bodies, plug the dismantled hoses and compressor nipples.

<> A/C COMPRESSOR REMOVAL

Take care not to spill any compressor oil when removing the compressor.

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Attachment 3
55A-125

**HEATER, AIR CONDITIONING AND VENTILATION
COMPRESSOR ASSEMBLY**

DISASSEMBLY AND ASSEMBLY <3000> M1552004601384

AC706490AB

Cooling temperature switch disassembly steps

1. Cooling temperature switch
2. Bracket

A/C compressor clutch disassembly

>>D<<

- Air gap adjustment

<<A>> >>C<<

3. Self-locking nut
4. Armature
5. Shim

A/C compressor clutch disassembly (Continued)

>>B<<

6. Snap ring
7. Rotor
8. Snap ring
9. Field core
10. A/C compressor

>>A<<

NOTE: The service points which are not described are the same as before.

DISASSEMBLY SERVICE POINT

<<A>> SELF-LOCKING NUT REMOVAL

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