


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 3000	0.30 –0.50 (0.012 –0.020) 0.25 –0.45 (0.010 –0.017)
Cooling temperature switch	2400 3000	Less than 2 ohms No continuity 155°C (311°F) or more [up to 125°C (257°F) when temperature drops] Less than 2 ohms No continuity 135°C (275°F) or more [up to 120°C (248°F) when temperature drops]

LUBRICANTS

M1552000400678

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

55A-123

HEATER, AIR CONDITIONING AND VENTILATION
COMPRESSOR ASSEMBLY

REMOVAL AND INSTALLATION <3000>

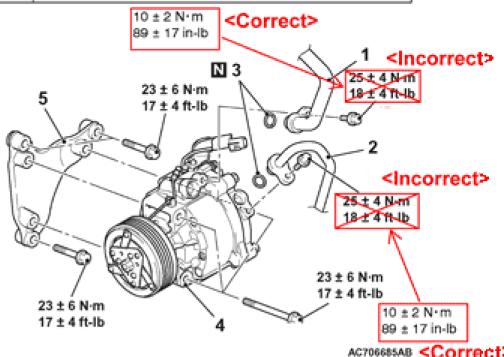
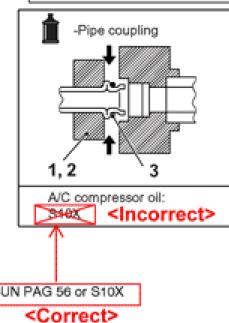
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Pre-removal Operation

- 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).



<<A>>

Removal steps

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

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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

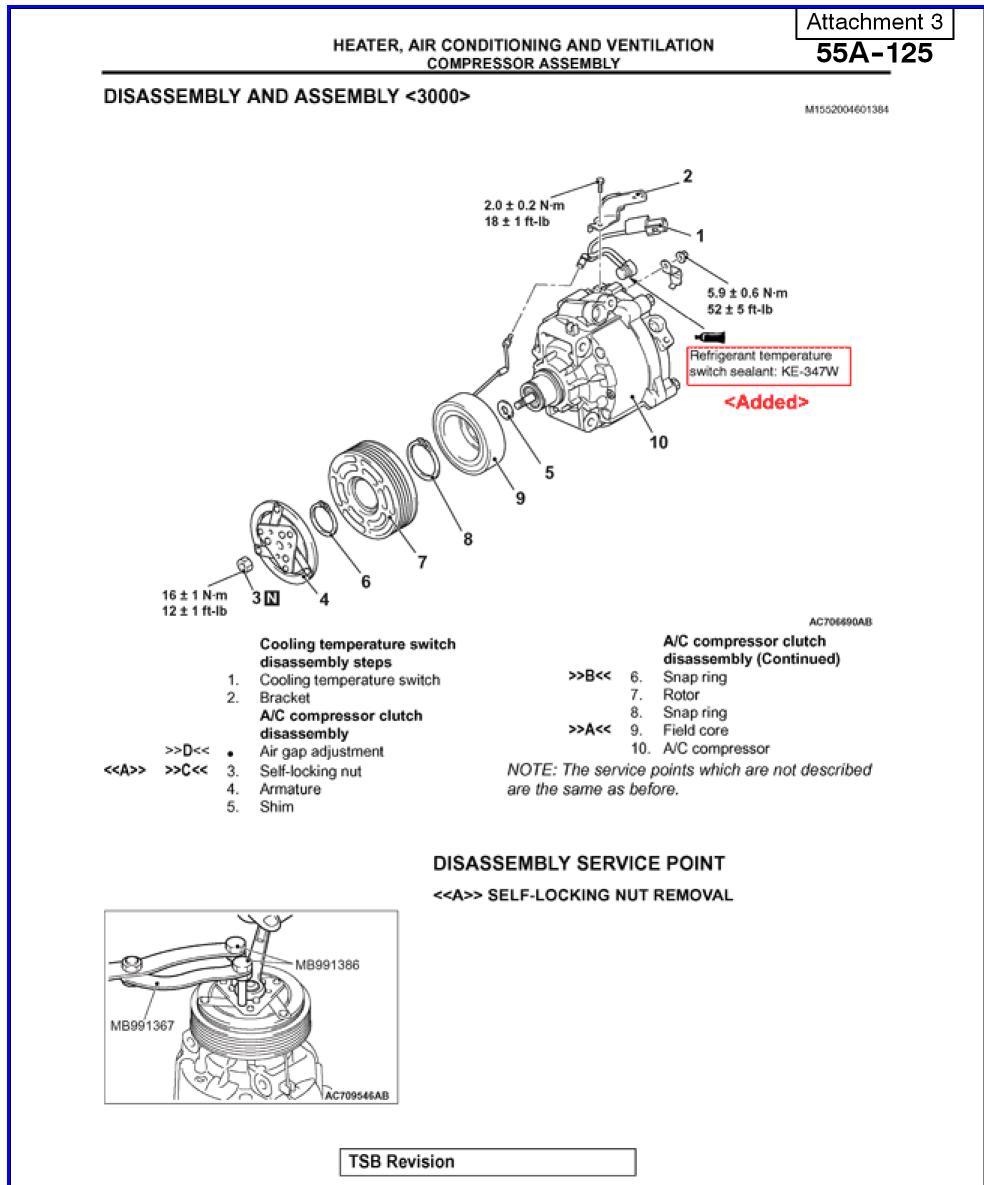
As the compressor oil and receiver are highly moisture absorbent, use a non-porous material to plug the hose and nipples.

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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