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Subject: NO COOL AIR FROM AIR CONDITIONER (LEAK FROM EVAPORATOR)	Bulletin No: 07-005/16
	Last Issued: 12/05/2016

BULLETIN NOTE

This bulletin supersedes the previously issued bulletin(s) listed below. The changes are noted below in Red beside the change bars.

Previously Issued TSBs:	Date(s) Issued
07-002/15	01/28/15
07-002/14	10/23/14

APPLICABLE MODEL(S)/VINS

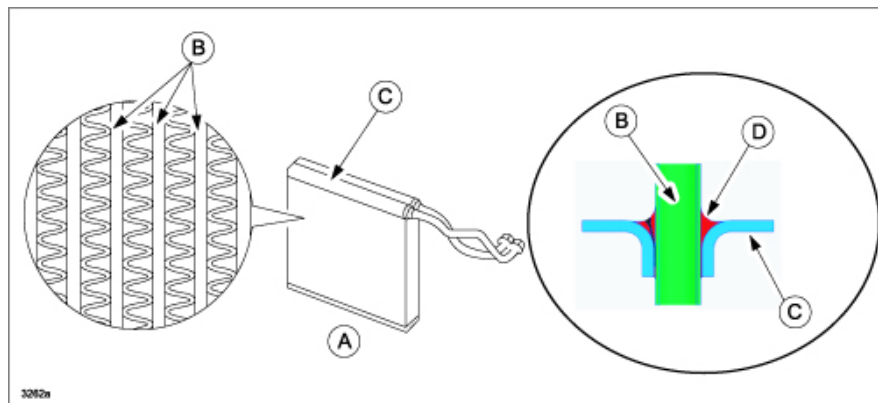
2013-2016 CX-5 vehicles with VINs lower than JM3KE*****802941 (produced before April 7, 2016)

2014-2016 Mazda6 vehicles with VINs lower than JM1GJ*****480633 (produced before April 7, 2016)

2014-2016 Mazda3 (Japan built) vehicles with VINs lower than JM1BM*****346088 (produced before April 7, 2016)

DESCRIPTION

Some customers may complain about no cool air from the vents when the air conditioner (A/C) is ON. This concern may be caused by A/C refrigerant leaking from the evaporator (A) at the joint between the tubes (B) and the header (C) due to improper brazing (D). To correct the problem, the configuration of the header has been changed to improve the brazing performance in this area.



Customers having this concern should have their vehicle repaired using the following repair procedure.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

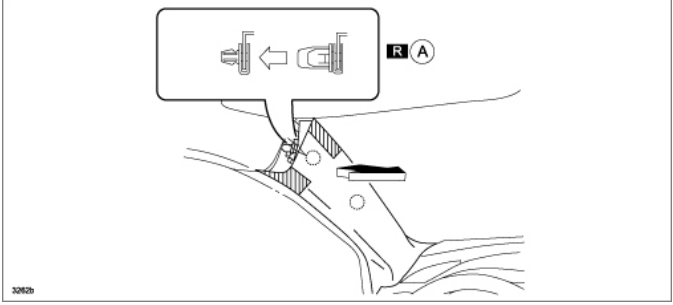
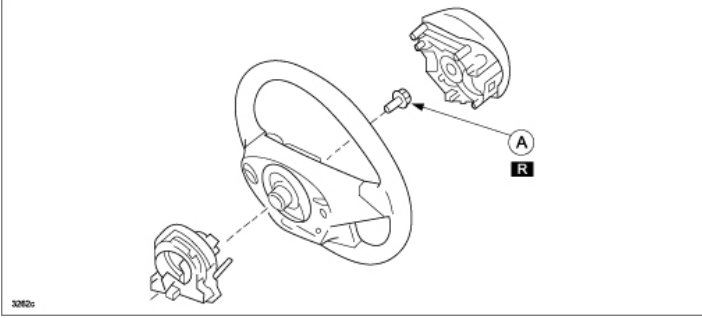
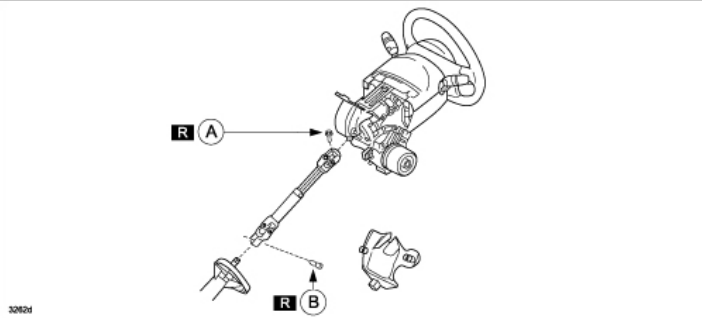
REPAIR PROCEDURE

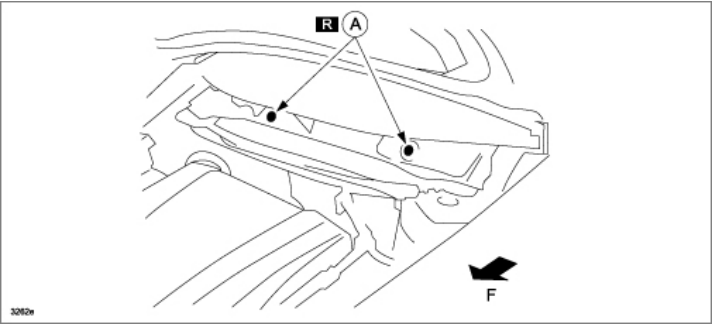
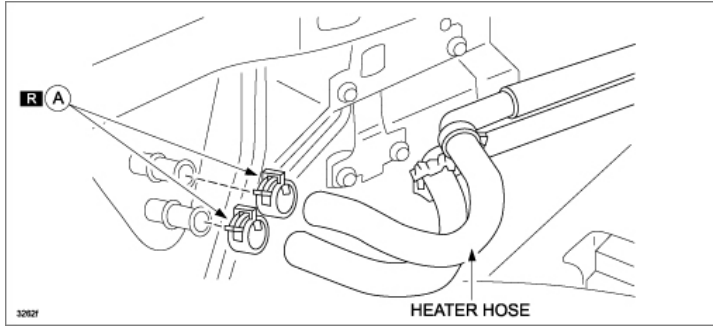
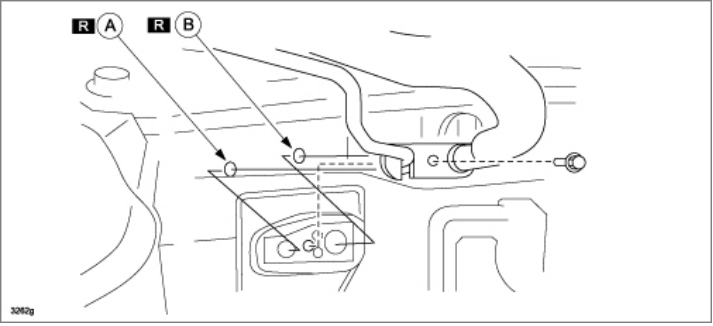
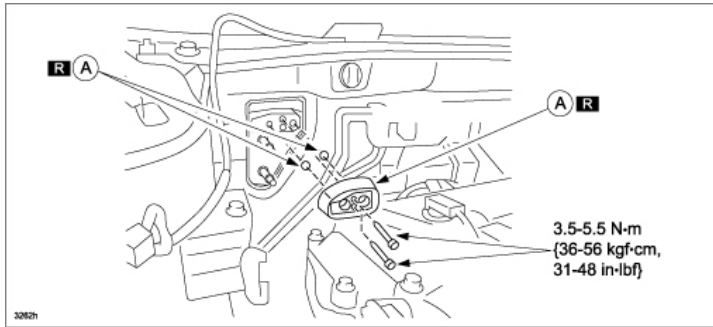
1. Verify customer concern.
2. Verify that the level of A/C refrigerant charge is low (The A/C refrigerant high and low pressures are both low).
3. Check for refrigerant leakage from any part of the system, using a colored dye.
 - If leakage is found from the A/C unit drain hose, check the A/C unit inside. If leakage is detected from the evaporator, replace it with a modified one according to the instructions on MS3 online (A/C UNIT DISASSEMBLY/ASSEMBLY).

NOTE: When replacing the evaporator, add approximately 40 ml {40 cc, 1.4 fl oz} of compressor oil according to the instructions on MS3 online (A/C COMPRESSOR REMOVAL/INSTALLATION).
 - If leakage is found from other than evaporator, repair or replace it according to the instructions on MS3 online.
4. Verify repair.

PART(S) INFORMATION

Part Number	Description	Qty.	Notes
GHP9-61-J10A	Evaporator	1	
D651-68-162A	Trim Clip	2	All models
9YA0-11-007	Bolt, Steering Wheel	1	Mazda6, Mazda3
9YA0-11-003A	Bolt, Steering Wheel	1	CX-5
B455-32-099B	Bolt, Intermediate Shaft (Lower)	1	All models
GHT2-32-099	Bolt, Intermediate Shaft (Upper)	1	Mazda6
KD31-32-099	Bolt, Intermediate Shaft (Upper)	1	Mazda3, CX-5
9YA0-20-682	Bolt, Dashboard	2	All models
BBM4-61-J17	O-Ring, Copper Pipe (Low) and Expansion Valve	2	All models
GJ6A-61-J19	O-Ring, Copper Pipe (High)	1	All models
GJ6E-61-J19	O-Ring, Expansion Valve	1	All models
BP4K-61-242	Hose Clamp	2	All models
ZZC0-61-K39	Compressor Oil	1	All models

Part Name	Description
Clip, Trim (A)	 <p>3282b</p>
Bolt, Steering Wheel (A)	 <p>3282c</p>
Bolt, Upper Intermediate Shaft (A) Bolt, Lower Intermediate Shaft (B)	 <p>3282d</p>

<p>Bolt, Dashboard (A)</p>	 <p>3262a</p>
<p>Clip, Heater Hose (A)</p>	 <p>3262f</p> <p>HEATER HOSE</p>
<p>O-Ring, Copper Pipe-Low (A) O-Ring, Copper Pipe-High (B)</p>	 <p>3262g</p>
<p>O-Ring, Expansion Valve (A)</p>	 <p>3262h</p> <p>3.5-5.5 N·m (36-56 kgf·cm, 31-48 in·lbf)</p>

WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's New Vehicle Limited Warranty.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	59
Damage Code	9G
Part Number Main Cause	****-61-J10* (Evaporator)
Quantity	1
Operation Number / Labor Hours:	XXK9RBRX (Evaporator replacement) / 3.2 Hrs (CX-5) 3.1 Hrs (Mazda6 and Mazda3) XXK9RARX (Refrigerant recharge two times) / 0.7 Hrs (All models) 1st recharge for inspection of gas leakage 2nd recharge for after evaporator replacement

NOTE:

- Claim the replacement parts as related parts.
- Claim the compressor oil as a related part.
- Claim the A/C refrigerant by entering the applicable part number and the quantity used as related part.