

Subject: NO COOL AIR FROM AIR CONDITIONER (LEAK FROM EVAPORATOR)	Bulletin No: 07-002/17
	Last Issued: 01/13/2017

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
07-005/16	02/05/16
07-002/15	01/28/15
07-002/14	10/23/14

APPLICABLE MODEL(S)/VINS

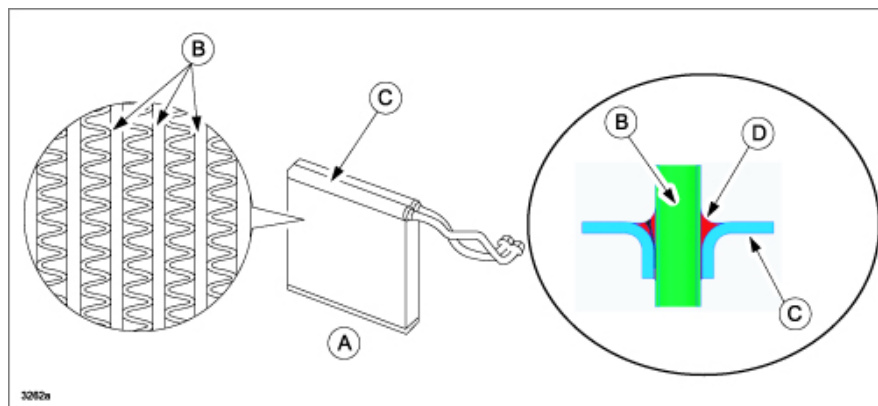
2013-2016 CX-5 vehicles with VINs lower than JM3KE*****802941 (produced before April 7, 2016)

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.

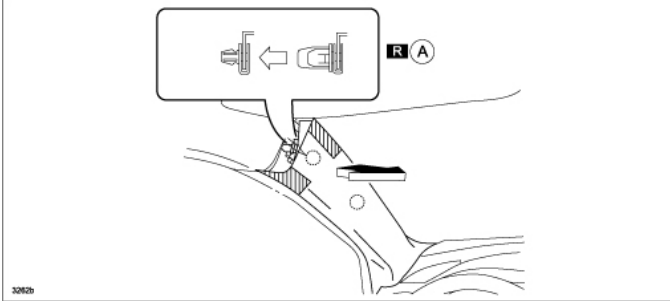
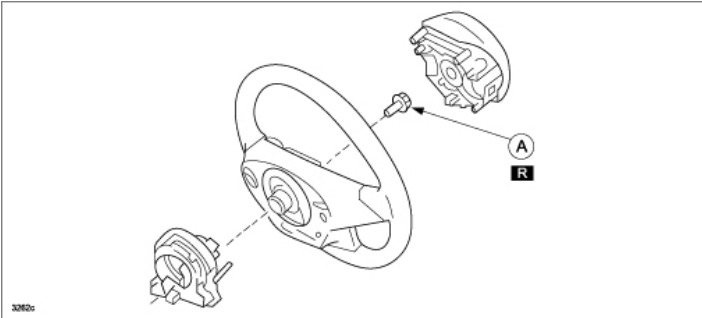
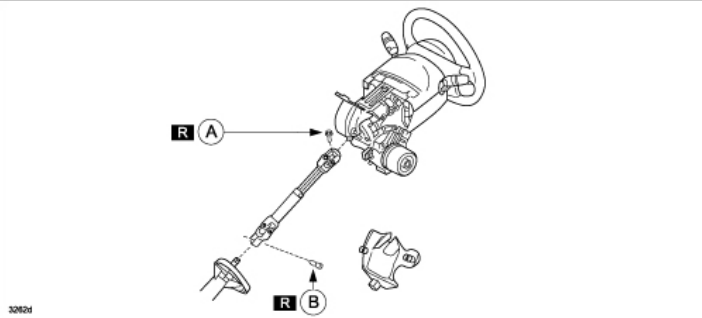
REPAIR PROCEDURE

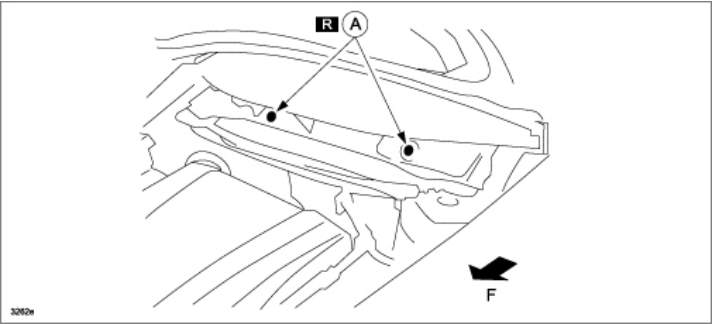
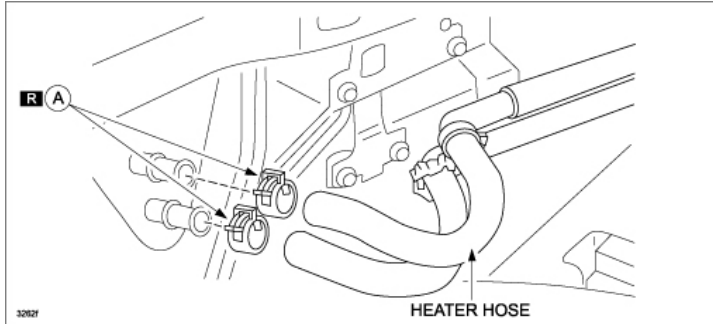
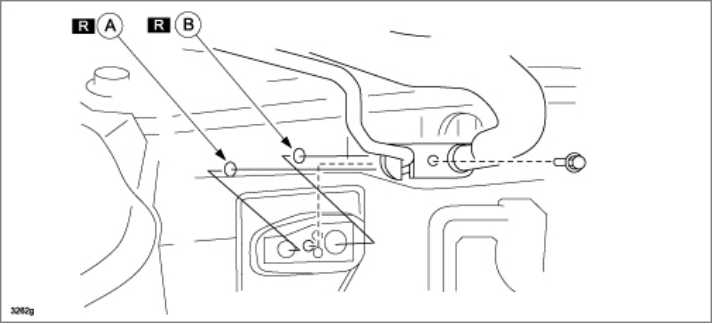
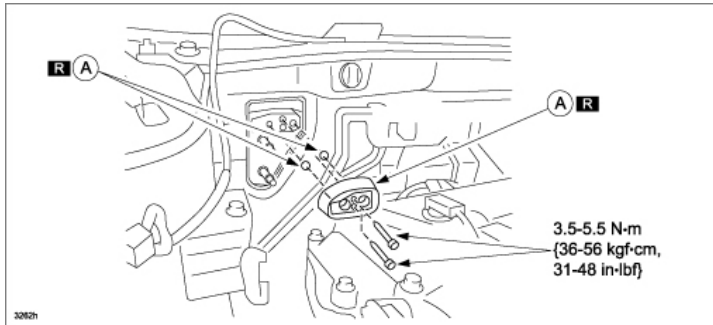
1. Verify customer concern.
2. Verify that the level of A/C refrigerant charge is low (The A/C refrigerant high and low pressures are both low).
3. Check for refrigerant leakage from any part of the system, using a colored dye.
 - If leakage is found from the A/C unit drain hose, check the A/C unit inside. 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
5555-FG-002	A/ C Refrigerant	As required	
ZZC0-61-K39	Compressor Oil	1	1 bottle repairs 5 vehicles (40 ml required from 210 ml/bottle)

Part Name	Description
Clip, Trim (A)	 <p>The diagram shows a close-up of a steering wheel hub component. A callout box labeled 'R A' shows a clip being inserted into a slot. The clip is a small, rectangular plastic piece with a T-shaped cross-section. The steering wheel hub is shown in a perspective view, with the clip being installed on the side of the hub. A small number '3282b' is visible in the bottom left corner of the diagram.</p>
Bolt, Steering Wheel (A)	 <p>The diagram shows a steering wheel hub and a steering wheel. A callout box labeled 'R A' shows a bolt being inserted into the hub. The bolt is a long, cylindrical metal fastener with a hexagonal head. The steering wheel hub is shown in a perspective view, with the bolt being inserted into a hole on the side of the hub. A small number '3282c' is visible in the bottom left corner of the diagram.</p>
Bolt, Upper Intermediate Shaft (A) Bolt, Lower Intermediate Shaft (B)	 <p>The diagram shows a steering rack assembly. A callout box labeled 'R A' shows a bolt being inserted into the upper intermediate shaft. Another callout box labeled 'R B' shows a bolt being inserted into the lower intermediate shaft. The steering rack assembly is shown in a perspective view, with the bolts being inserted into holes on the side of the rack. A small number '3282d' is visible in the bottom left corner of the diagram.</p>

<p>Bolt, Dashboard (A)</p>	
<p>Clip, Heater Hose (A)</p>	
<p>O-Ring, Copper Pipe-Low (A) O-Ring, Copper Pipe-High (B)</p>	
<p>O-Ring, Expansion Valve (A)</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 using 5555-CP-OIL, which will reimburse you for 1/5 of the can (1 can repairs 5 vehicles).**
- Claim the A/C refrigerant by entering the applicable part number and the quantity used as related part.