

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922



<b>Subject:</b>  <b>NO COOL AIR FROM AIR CONDITIONER (LEAK FROM EVAPORATOR)</b>	<b>Bulletin No.:</b> 07-005/19
	<b>Last Issued:</b> 09/10/2019

## BULLETIN NOTES

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

Previously Issued TSBs:	Date(s) Issued
07-002/17	01/13/2017
07-005/16	02/05/2016
07-002/15	01/28/2015
07-002/14	10/23/2014

## APPLICABLE MODEL(S)/VINS

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

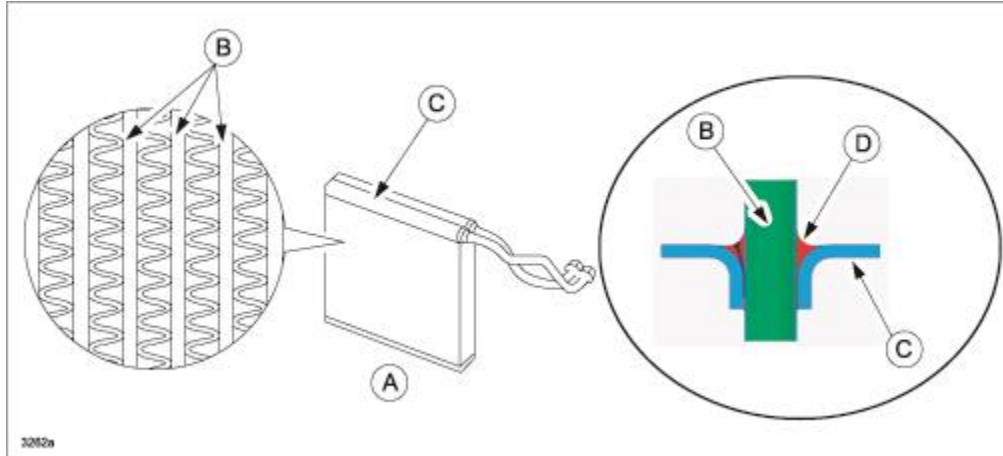
2014-2016 Mazda6 vehicles with VINs lower than JM1GJ\*\*\*\*\*480633 (produced before April 7, 2016)

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.

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

## REPAIR PROCEDURE

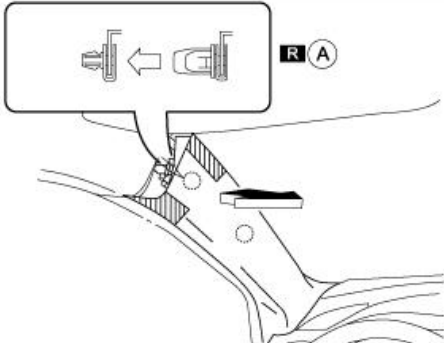
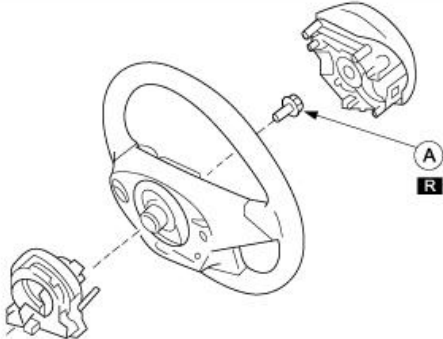
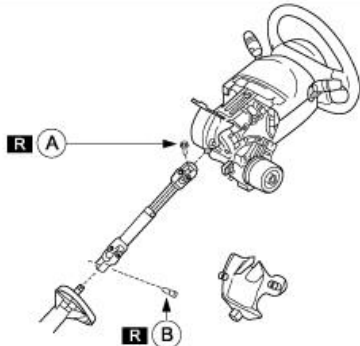
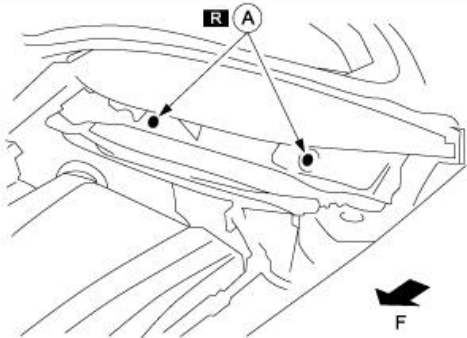
1. Verify customer concern.
2. Verify that the level of A/C refrigerant charge is low (The A/C refrigerant high and low pressures are both low).
3. Check for refrigerant leakage from any part of the system, using a colored dye.
  - If leakage is found from the A/C unit drain hose, check the A/C unit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

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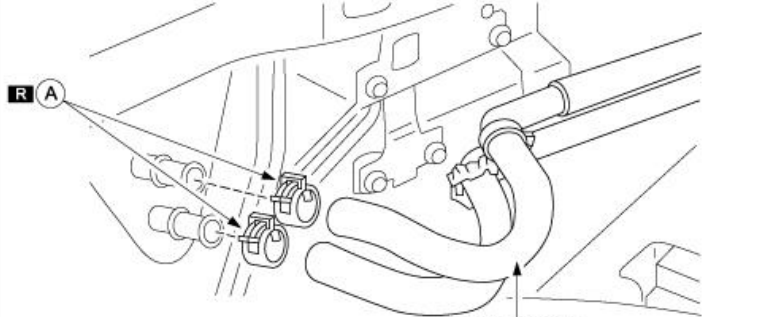
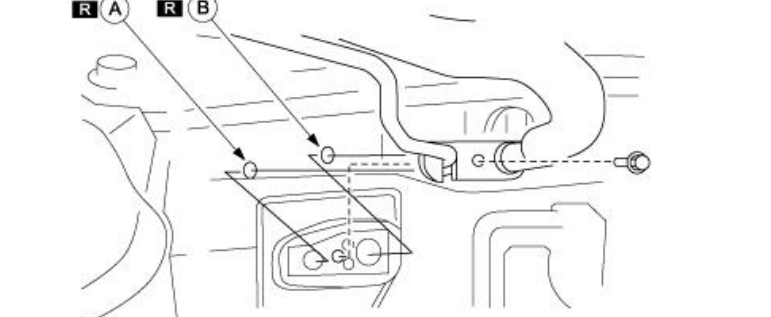
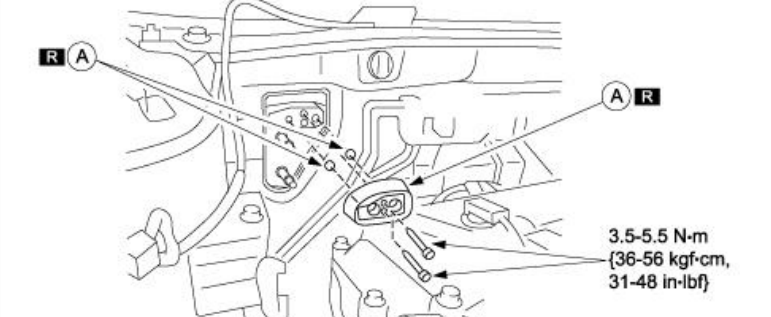
**PARTS INFORMATION**

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 (210 ml)	1	<b>Mazda6 / CX-5:</b> 1 compressor oil repairs 5 vehicles (40 ml each)
H760-61-K39	Compressor Oil (210 ml)	1	<b>Mazda3:</b> 1 compressor oil repairs 5 vehicles (40 ml each)

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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>
Bolt, Dashboard (A)	 <p>3282e</p>

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<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>3.5-5.5 N·m (36-56 kgf·cm, 31-48 in·lbf)</p> <p>3262h</p>

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## 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.

	<b>Mazda3</b>	<b>Mazda6</b>	<b>CX-5</b>
Warranty Type	A	A	A
Symptom Code	59	59	59
Damage Code	9G	9G	9G
Part Number Main Cause	****-61-J10* (Evaporator)	****-61-J10* (Evaporator)	****-61-J10* (Evaporator)
Quantity	1	1	1
Related Part Number	5555-CP-OIL	5555-CP-OIL	5555-CP-OIL
Quantity	7 (Qty. 7 = \$7 Reimbursement)	4 (Qty. 4 = \$4 Reimbursement)	4 (Qty. 4 = \$4 Reimbursement)
Operation Number / Labor Hours:	XXK9RBRX (Evaporator replacement) / 3.1 Hrs. XXK9RARX (Refrigerant recharge two times) / 0.7 Hrs. 1st recharge for inspection of gas leakage. 2nd recharge for after evaporator replacement.	XXK9RBRX (Evaporator replacement) / 3.1 Hrs. XXK9RARX (Refrigerant recharge two times) / 0.7 Hrs. 1st recharge for inspection of gas leakage. 2nd recharge for after evaporator replacement.	XXK9RBRX (Evaporator replacement) / 3.2 Hrs. XXK9RARX (Refrigerant recharge two times) / 0.7 Hrs. 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.

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