

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: A/C BLOWS WARM AIR DUE TO EVAPORATOR LEAK	Bulletin No.: 07-003/19
	Last Issued: 09/10/2019

BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
07-004/17	04/18/2017 and 09/12/2017
07-006/17	05/22/2017
07-006/16	12/12/2016

APPLICABLE MODEL(S)/VINS

US Spec.:

2016-2019 CX-3 vehicles with VINs JM1 DK ***** 103784 through 432950 (produced from June 01, 2015 through December 7, 2018)

Canada Spec.:

2016-2019 CX-3 Canada vehicles with VINs JM1 DK ***** 100037 through 432950 (produced from March 09, 2015 through December 7, 2018)

Mexico Spec.:

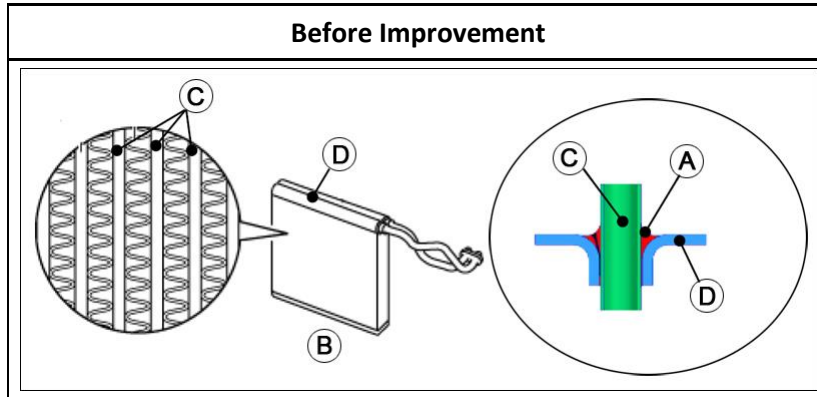
2016-2019 CX-3 vehicles with VINs JM1 DK ***** 103784 through 432950 (produced from June 01, 2015 through December 7, 2018)

2016-2017 Mazda2 vehicles with VINs 3MD DJA ***** 100050 through 109656 (produced from December 19, 2014 through December 4, 2016)

DESCRIPTION

Some customers may complain about warm air from the climate control vents. This may be caused by improper brazing (A) of the evaporator (B), causing a refrigerant leak from the joint between the tubes (C) and the header (D).

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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. Use a dealer supplied manifold gauge tool to check the A/C refrigerant charge. Refer to MGSS online: (REFRIGERANT PRESSURE CHECK). Is the A/C refrigerant charge low?

- Yes - Go to step 3.
- No - This Service Information is not applicable. Refer to MGSS online: (NO COOL AIR [FULL-AUTO AIR CONDITIONER]).

3. Use a dealer supplied UV leak detection tool. Is there a trace of fluorescent liquid at the A/C unit drain hose end?

NOTE: UV fluorescent leak detection dye is added at the factory.

- Yes - Go to step 4.
- No - This Service Information is not applicable. Refer to MGSS online: (NO COOL AIR [FULL-AUTO AIR CONDITIONER]).

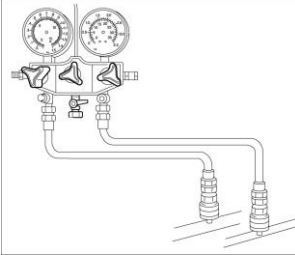

4. Replace the A/C evaporator. Refer to MGSS online: (A/C UNIT REMOVAL/INSTALLATION).

NOTE: When replacing the evaporator, add compressor oil of approximately 40 ml {40 cc, 1.4 fl oz}. Refer to MGSS online: (REFRIGERANT CHARGING).

5. Verify repair.

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SPECIAL SERVICE TOOL(S)

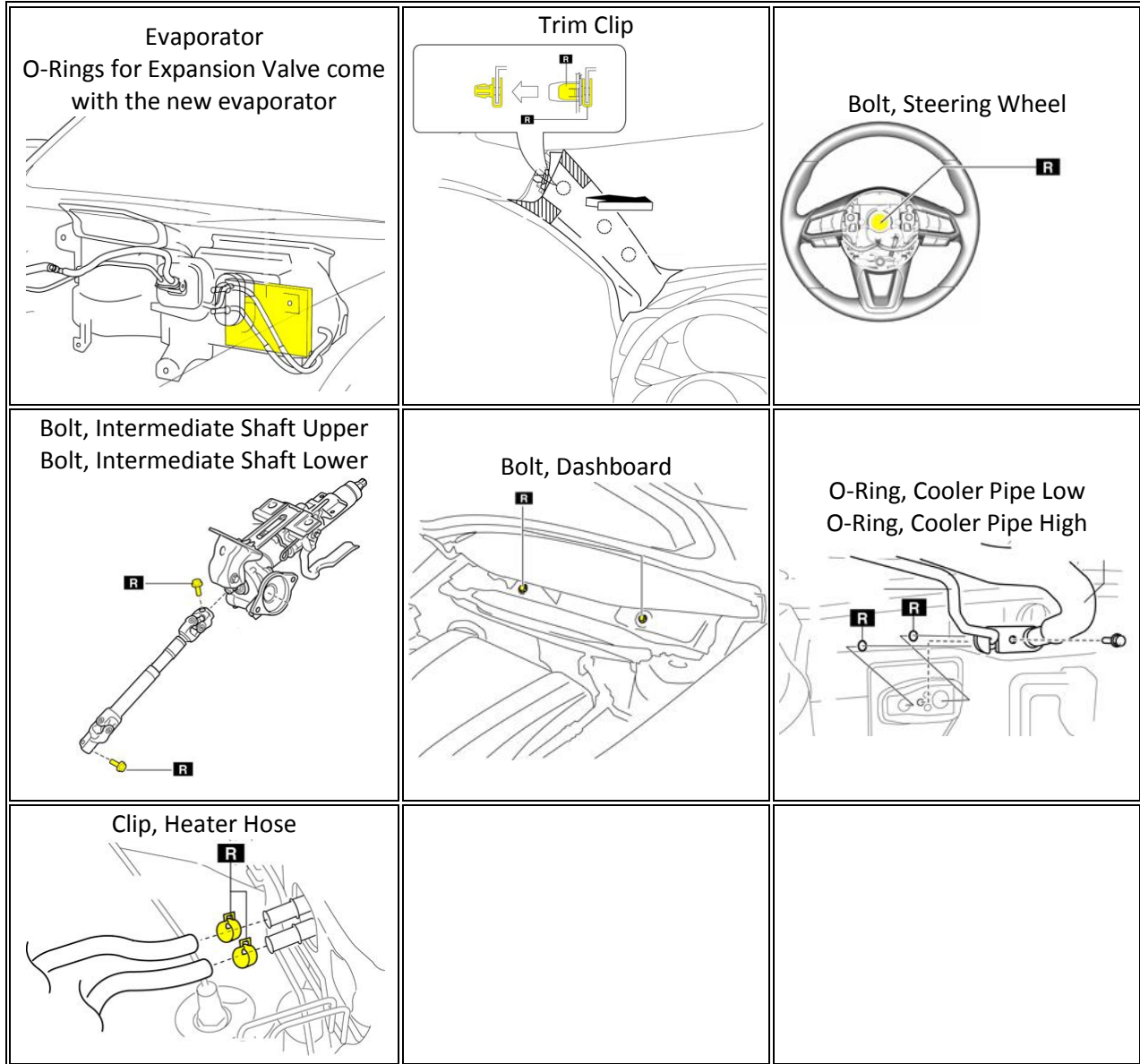
Dealer Supplied		
	A/C Manifold Gauge	UV leak detection

PARTS INFORMATION

Part Number	Description	Qty.	Notes
DD2F-61-J10A	Evaporator	1	O-Rings for Expansion Valve come with the new evaporator
D09W-68-162	Trim Clip	2	Non-reusable parts
9YA0-11-003A	Bolt, Steering Wheel	1	
B455-32-099B	Bolt, Intermediate Shaft, Lower	1	
D10J-32-099	Bolt, Intermediate Shaft, Upper	1	
9YA0-20-682	Bolt, Dashboard	2	
BBM4-61-J17	O-Ring, Cooler Pipe, Low	1	
GJ6A-61-J19	O-Ring, Cooler Pipe, High	1	
Z6E6-15-182	Clip, Heater Hose	2	
5555-FG-002	A/C Refrigerant	As needed	---
D1Y1-61-K39	Compressor Oil (250 ml)	1	1 compressor oil repairs 6 vehicles (40 ml each)

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Replacement Part Location



NOTE:

- O-Rings for Expansion Valve come with the new evaporator.
- Modified part can be distinguished by its **black marking at the cap** as shown below.

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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 term.
- Additional diagnostic time cannot be claimed for this repair.

	CX-3 / Mazda2
Warranty Type	A
Symptom Code	59
Damage Code	9G
Part Number Main Cause	DD2F-61-J10A
Quantity	1
Related Part Number	5555-CP-OIL
Quantity	12 (Qty. 12 = \$12 reimbursement)
Operation Number / Labor Hours:	XXMASARX / 3.2 Hrs.
Refrigerant Charge / Labor	XXMATXRX / 0.7 Hrs.

NOTE:

- Claim the replacement parts as related parts.
- Claim the A/C compressor oil using 5555-CP-OIL, which will reimburse you for 1/6 of the can (1 can repairs 6 vehicles).
- Claim the A/C refrigerant by entering the applicable part number and the quantity used as related part.

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