

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: A/C BLOWS WARM AIR DUE TO REFRIGERANT LEAK FROM CONDENSER	Bulletin No.: 07-001/18
	Last Issued: 04/19/2018

BULLETIN NOTES

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

Previously issued TSBs:	Date issued:
07-001/18	01/17/2018
07-001/17	01/06/2017 and 02/15/2017
07-006/17	05/26/2017

APPLICABLE MODEL(S)/VINS

2016-2017 CX-3 vehicles with VINs lower than JM1 DK ***** 158284 (produced before October 21, 2016)
2016-2017 CX-3 Canada vehicles with VINs lower than JM1 DK ***** 158210 (produced before October 21, 2016)

DESCRIPTION

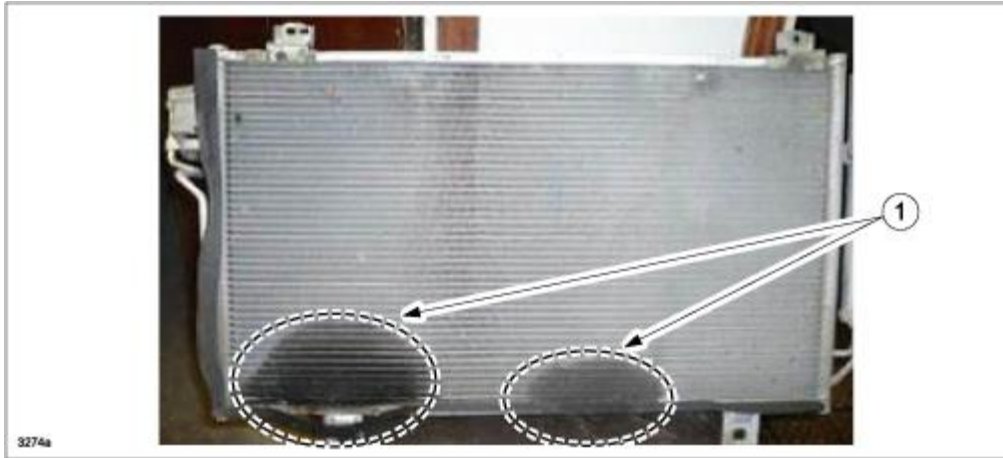
Some customers may complain about warm air from the climate control vents when the air conditioner is ON. This may be caused by condenser corrosion, causing a refrigerant leak. The manufacturer of the condenser has been changed and the configuration of the condenser tube has been improved.

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

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REPAIR PROCEDURE

1. Verify the customer concern.
2. Visually inspect the condenser for A/C refrigerant leak.
 - Is there a visible trace of A/C refrigerant leaking at location (1)?



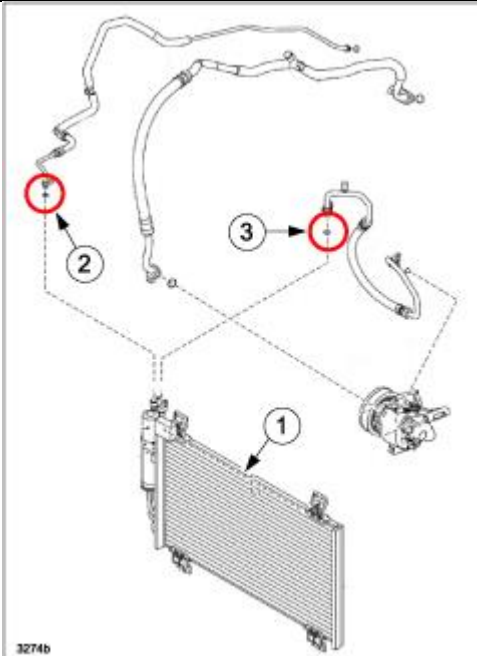
- Yes - Go to step 4.
 - No - Go to step 3.
3. Use a dealer supplied UV leak detection tool. Is there a trace of fluorescent liquid at location (1)?
NOTE: UV fluorescent leak detection dye is added at the factory.
 - Yes - Go to step 4.
 - No - This Service Information is not applicable. Refer to MGSS online Workshop Manual (NO COOL AIR [FULL-AUTO AIR CONDITIONER]).
 4. Replace the condenser according to the instructions on MGSS online (CONDENSER REMOVAL/INSTALLATION [SKYACTIV-G 2.0]).
 5. Verify the repair.

PARTS INFORMATION

Part Number	Description	Qty.	Notes
DB3R-61-480A	CONDENSER	1	---
GJ6A-61-J19	O-RING NO.1	1	Non reusable part
GJ6E-61-J19	O-RING NO.2	1	Non reusable part
5555-FG-002	A/C REFRIGERANT	As needed	---
D1Y1-61-K39	COMPRESSOR OIL	24 ml	(1) 250ml bottle repairs 10 vehicles (250 ml/24ml = 10.42 vehicles)

REPLACEMENT PARTS LOCATION


Description	Location
CONDENSER	1
O-RING NO.1	2
O-RING NO.2	3



The diagram shows the A/C system components. Callout 1 points to the condenser, callout 2 points to an O-ring on the high-pressure hose, and callout 3 points to an O-ring on the low-pressure hose. The condenser is a rectangular coil of tubing. The compressor is a cylindrical unit with a pulley. The hoses are connected to the condenser and compressor.

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SPECIAL SERVICE TOOL(S)

Part Number	Description	
Dealer Supplied	UV leak detection tool	

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.

Warranty Type	A
Symptom Code	59
Damage Code	9Y
Part Number Main Cause	DB3R-61-480A
Quantity	1
Operation Number / Labor Hours:	XXMB4XRX / 1.2 Hrs.

NOTE:

- Claim the replacement parts as related parts.
- Claim the compressor oil cost for 24 ml as sublet: Z9 by attaching its purchasing invoice showing the price & the oil containing volume per bottle.

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