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<b>Subject:</b>  A/C BLOWS WARM AIR	<b>Bulletin No:</b> 07-006/16
	<b>Last Issued:</b> 12/12/2016

## APPLICABLE MODEL(S)/VINS

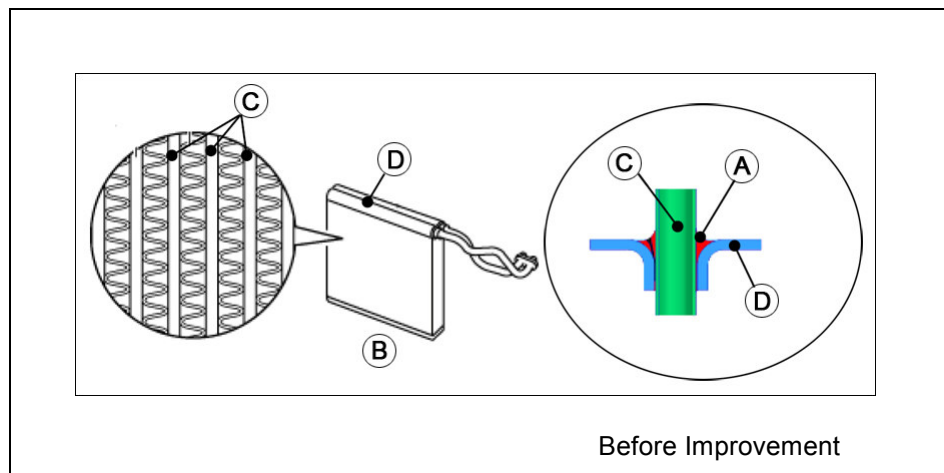
2016 Mazda2 vehicles with VINs 3MD DJ \*\*\*\*\* 100050 through 108941 (produced from December 19, 2014 through July 31, 2016)

2016 CX-3 USA/Mexico vehicles with VINs JM1 DK \*\*\*\*\* 103784 through 151377 (produced from June 01, 2015 through July 31, 2016)

2016 CX-3 Canada vehicles with VINs JM1 DK \*\*\*\*\* 100037 through 151377 (produced from March 09, 2015 through July 31, 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).



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

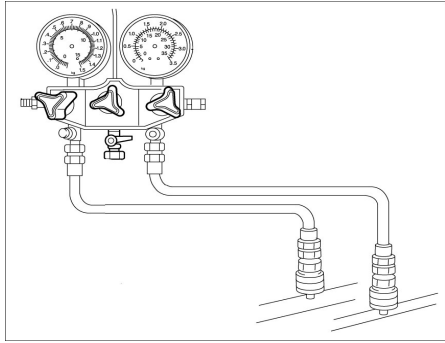

1. Verify customer concern.
2. Use a dealer supplied manifold gauge tool to check the A/C refrigerant charge. Refer to MS3 online Workshop Manual REFRIGERANT PRESSURE CHECK. Is the A/C refrigerant charge low?
  - Yes - Go to step 3.
  - No - This Service Information is not applicable. Refer to MS3 online Workshop Manual 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.

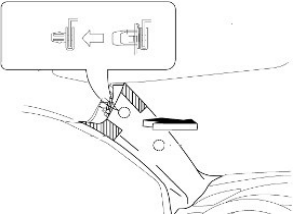
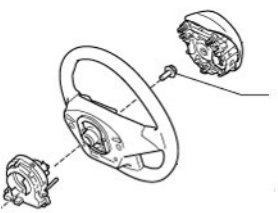
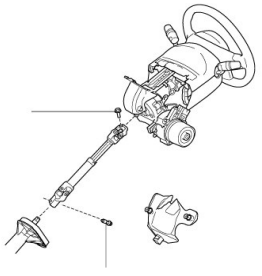
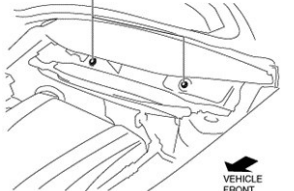

  - Yes - Go to step 4.
  - No - This Service Information is not applicable. Refer to MS3 online Workshop Manual NO COOL AIR [FULL-AUTO AIR CONDITIONER].
4. Replace the A/C evaporator. Refer to MS3 online Workshop Manual A/C UNIT REMOVAL/INSTALLATION.

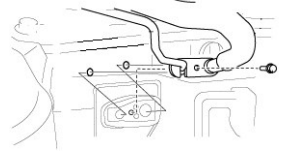
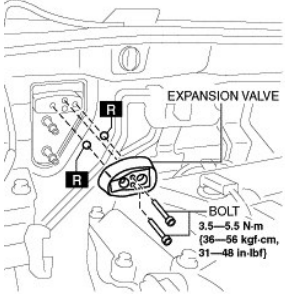
**NOTE:** When replacing the evaporator, add compressor oil of approximately 40 ml {40 cc, 1.4 fl oz}. Refer to MS3 online Workshop Manual REFRIGERANT CHARGING.
5. Verify repair.

## SPECIAL SERVICE TOOL(S)

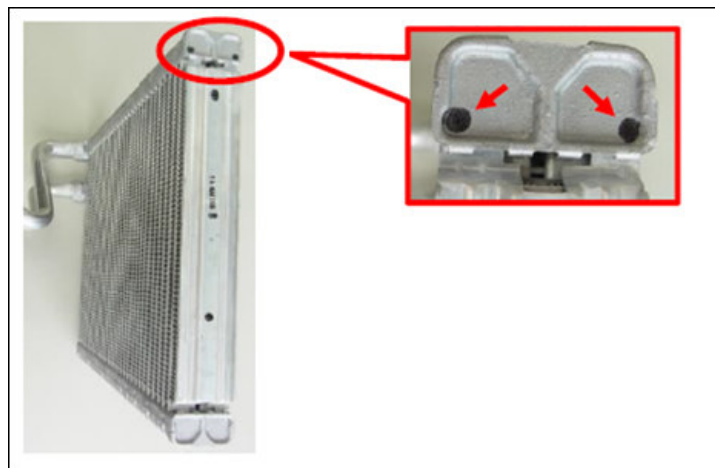
Part Number	Description	
Dealer Supplied	A/C Manifold Gauge	
Dealer Supplied	UV leak detection tool	

**PART(S) INFORMATION**

Part Number	Description	Qty.	Notes
DD2F-61-J10A	EVAPORATOR	1	CX-3
DB5H-61-J10A	EVAPORATOR	1	Mazda2
D09W-68-162	TRIM CLIP	2	Non Reusable Part 
9YA0-11-003A	BOLT, STEERING WHEEL	1	Non Reusable Part 
B455-32-099B	BOLT, INTERMEDIATE SHAFT LOWER	1	Non Reusable Part
D10J-32-099	BOLT, INTERMEDIATE SHAFT UPPER	1	
9YA0-20-682	BOLT, DASHBOARD	2	Non Reusable Part  

BBM4-61-J17	O-RING, COOLER PIPE LOW AND EXPANSION VALVE	2	Non Reusable Part
GJ6A-61-J19	O-RING, COOLER PIPE HIGH	1	
GJ6E-61-J19	O-RING, EXPANSION VALVE	1	
BP4K-61-242	CLIP, HEATER PIPE	2	<p>Non Reusable Part</p>  <p>EXPANSION VALVE</p> <p>BOLT              3.5—5.5 N·m              (36—56 kgf·cm,              31—48 in·lbf)</p> <p>CLIP R</p> <p>CLIP R</p> <p>HEATER HOSE</p>
5555-FG-002	A/C REFRIGERANT	As needed	---
D1Y1-61-K39	COMPRESSOR OIL	40 ml	One bottle contains 250ml but just 40ml is to be refill for the evaporator replacement.

**NOTE:** Modified part can be distinguished by its black circled marking as shown below.



## 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	A
Symptom Code	59	59
Damage Code	9G	9G
Part Number Main Cause	DD2F-61-J10A	DB5H-61-J10A
Quantity	1	1
Operation Number / Labor Hours:	XXMASARX / 3.2 Hrs.	XXMASARX / 3.2 Hrs.
Refrigerant Charge / Lagor	XXMATXRX / 0.7 Hrs.	

**NOTE:**

- Claim the replacement parts as related parts.
- Claim the compressor oil cost for 40 ml as sublet: Z9 by attaching its purchasing invoice showing the price & the oil containing volume per bottle.