

Service Information

Mazda Motor Corporation

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Category U	Repair Guidance	Ref. No. R107/16REV	Page 1 of 6
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued December 1, 2016	
Please convey this information to your <input checked="" type="checkbox"/> Warranty Dept. <input checked="" type="checkbox"/> Parts Dept. <input type="checkbox"/> Training Dept. <input type="checkbox"/> Field Rep.		Date Revised December 22, 2016	
Applicable Model Mazda2(DJ), CX-3(DK)		Applicable Countries or Specifications Worldwide	

REVISED

Revision Note: "Replacement Parts" table has been corrected.

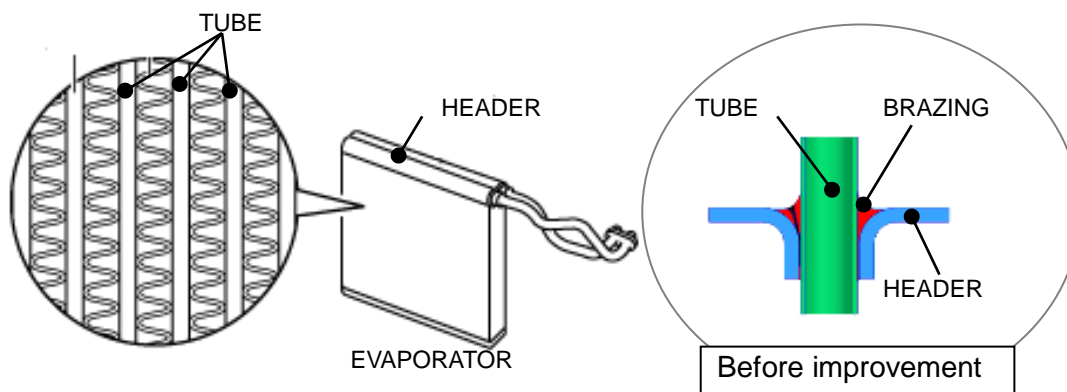
Subject: Air Conditioner - No Cool Air (Evaporator Leakage)

DESCRIPTION

Some customers may complain about no cool air from the vents when the air conditioner (A/C) is ON.

CAUSE

This concern is caused by A/C refrigerant leak from the joint between the tubes and the header due to improper brazing.



MASS PRODUCTION CHANGE

The configuration of the header has been changed to improve the brazing workability and performance from August 1, 2016

SUBJECT VIN & PRODUCTION DATE**Mazda2 (DJ)****Japan Built**

Spec.	VIN Range		Production Date Range
General (R.H.D.)	JM6 DJ**** **	100008 - 101058	From October 6, 2014 To July 31, 2016

Thailand Built

Spec.	VIN Range		Production Date Range
Australia	MM0 DJ**** **	100201- 223357	From September 05, 2014 To July 31, 2016
Australia	MM0 DL**** **		
General (R.H.D.)	MM6 DJ**** **		
General (R.H.D.)	MM6 DL**** **		
General (L.H.D.)	MM7 DJ**** **		
General (L.H.D.)	MM7 DL**** **		
Israel	MMZ DJ**** **		
Israel	MMZ DL**** **		
Europe (UK Spec.)	MMZ DJ**** **		
Thailand	MM8 DJ**** **		
Thailand	MM8 DL**** **		

Mexico Built

Spec.	VIN Range		Production Date Range
Europe (L.H.D.)	3MD DJ**** **	100063 - 148910	From October 21, 2014 To July 31, 2016
General (L.H.D.)	3MD DJ**** **	100010 - 109322	From January 14, 2015 To July 31, 2016
Mexico/PR (2016 MY)	3MD DJ**** **	100050 - 108941	From December 19, 2014 To July 31, 2016

CX-3 (DK)

Spec.	VIN Range			Production Date
		From	To	
Australia	JM0 DK **** **	100016 - 125144	From January 9, 2015 To July 31, 2016	
General RHD	JM6 DK **** **		From September 15, 2015 To July 31, 2016	
General LHD	JM7 DK **** **			
Europe (Including UK)	JMZ DK **** **	100043 - 173773	From February 10, 2015 To July 31, 2016	
Europe (UK&Ireland)	MMZ DK **** **	109070 - 120701	From March 14, 2016 To July 31, 2016	
US (2016MY-)	JM1 DK **** **	(Canada) 100037 (US) 103784	151377 (Canada) From March 9, 2015 To July 31, 2016 (US) From June 1, 2015 To July 31, 2016	
Australia (Thailand Built)	MM0DK **** **	100763 - 120708	From November 23, 2015 To July 31, 2016	
Thailand (Thailand Built)	MM8DK **** **	100201 - 120707	From October 5, 2015 To July 31, 2016	

REPAIR PROCEDURE

When you encounter a customer complaint on this concern, please take the following steps.

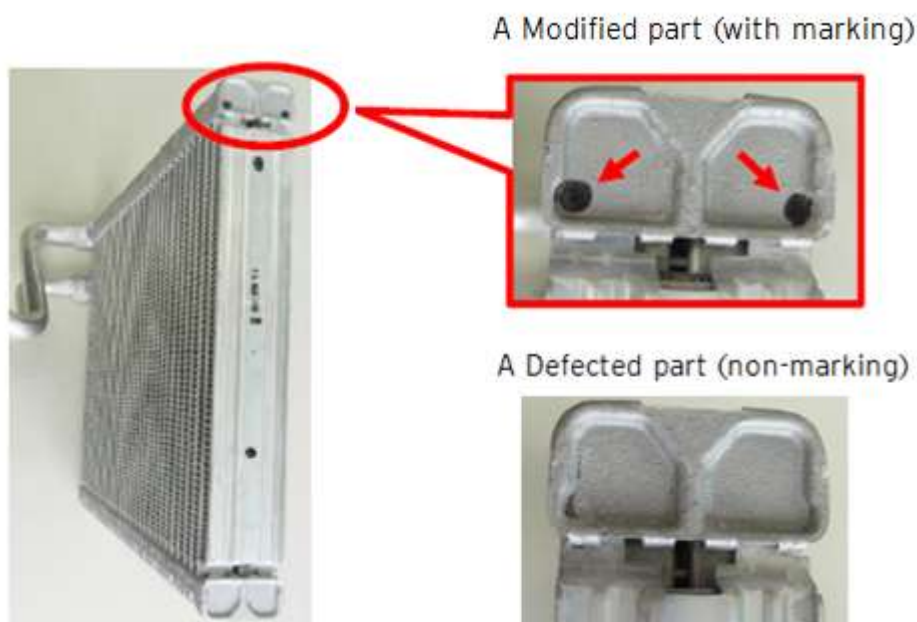
1. Verify the customer complaint.
2. Verify that the level of A/C refrigerant charge is low. (The A/C refrigerant high and low pressures both are low.)
3. Check for gas leakage from any part of the system, by using a black light or by other appropriate A/C leak detection device.
 - If leakage was found from the A/C unit drain hose, check the A/C unit inside. Then if leakage was detected from the evaporator, replace it with a modified one according to the Workshop Manual "A/C UNIT DISASSEMBLY/ASSEMBLY".

NOTE: When replacing the evaporator, add compressor oil of approximately 40 ml {40 cc, 1.4 fl oz} according to the Workshop Manual.
4. Verify the repair.

PARTS INFORMATION

Part Number	Part Name	Q'ty	Remark
D11B-61-J10A	EVAPORATOR	1	Please select the suitable parts from EPC.
D09W-61-J10A	EVAPORATOR	1	
DD2F-61-J10A	EVAPORATOR	1	
DB2W-61-J10A	EVAPORATOR	1	
DB9H-61-J10A	EVAPORATOR	1	
DA6C-61-J10	EVAPORATOR	1	
DB5H-61-J10A	EVAPORATOR	1	

NOTE: A modified part can be distinguished by its black circled marking in the picture below.



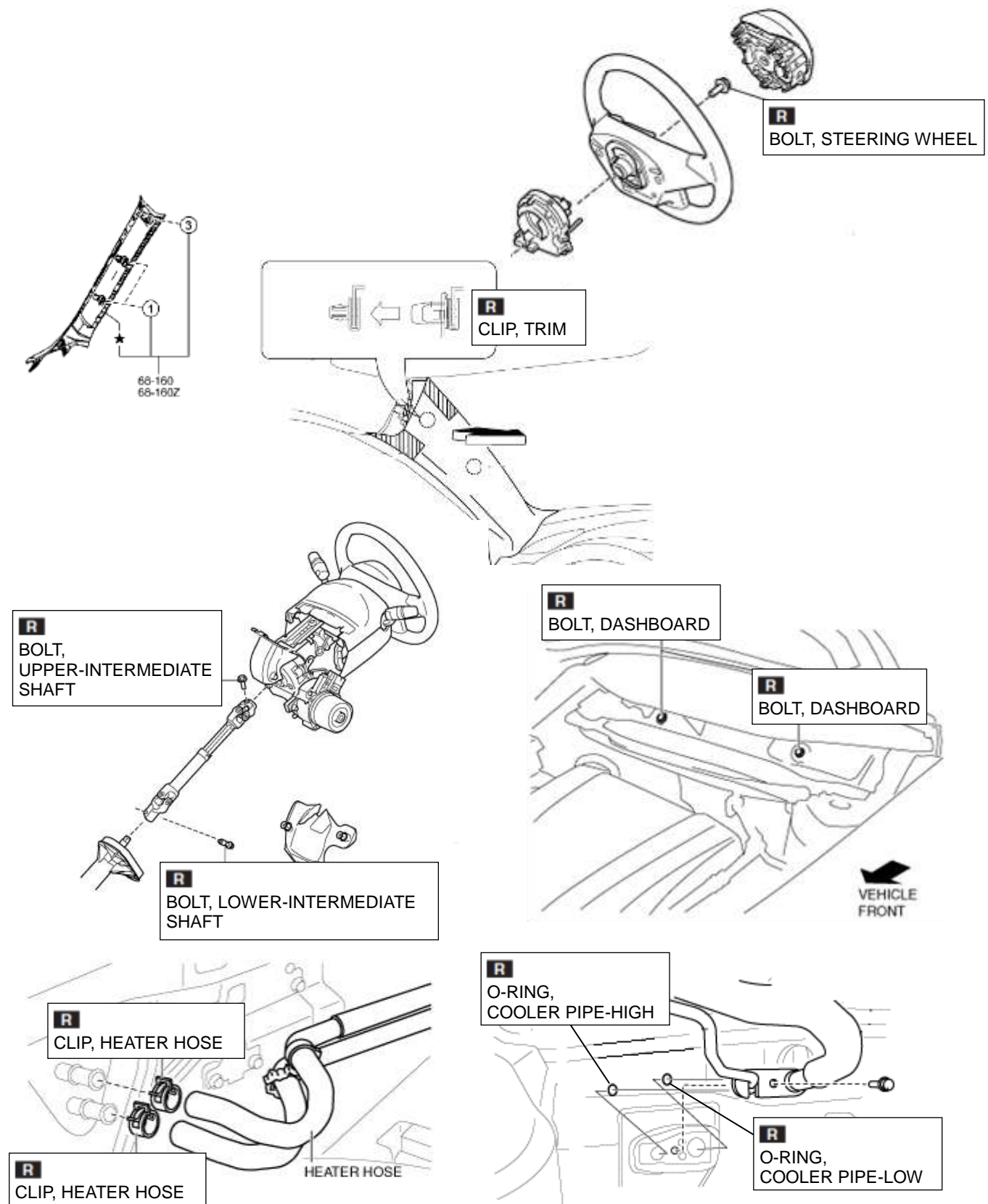
Replacement Parts (All Models)

Part Number	Description	Qty.	Remark
D09W-68-162	Trim Clip	2	
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 and Expansion Valve	2	
GJ6A-61-J19	O-Ring, Cooler Pipe High	1	
GJ6E-61-J19	O-Ring, Expansion Valve	1	
BP4K-61-242	Clip, Heater Hose	2	
5555-AC-001Y	A/C Refrigerant	As required	-
5555-AC-001B	Compressor oil (Gasoline Engine)	40 ml	Only for Europe
5555-AC-001C	Compressor oil (Diesel Engine)	40 ml	Only for Europe
-	Compressor oil	40 ml	For other than Europe

NOTE: The followings are the recommended compressor oil information.

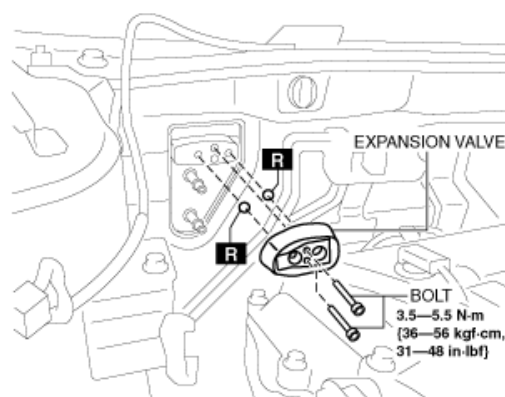
Part Number	Description	Amount per bottle	Remarks
D1Y1-61-K39	Compressor Oil	250ml	Refrigerant gas: HFC-134A GASOLINE
DBY1-61-K39	Compressor Oil	250ml	Refrigerant gas: HFO-1234YF GASOLINE
NE51-61-K39	Compressor Oil	40ml	Refrigerant gas: HFC-134A DIESEL
D1Y2-61-K39	Compressor Oil	40ml	Refrigerant gas: HFO-1234YF DIESEL

Replacement Parts Location: (Figures are for CX-3 R.H.D.)



R
O-RING, EXPANSION VALVE

R
O-RING,
EXPANSION
VALVE



WARRANTY INFORMATION

Assembly group	U - Heater and Air Conditioner Systems					
Subassembly group	07 - CONDENSER, HOSES, LIQUID TANK, OTHER PARTS					
Symptom Code	59 (INSUFFICIENT HEATING)					
Damage Code	9G (IMPROPER ASSEMBLY)					
Causal Part No.	****-61-J10* (EVAPORATOR)					
Q'ty	1					
Model	Mazda2(DJ)			CX-3(DK)		
EVAPORATOR COIL, R&R	SKYACTIV-G 1.5, Without i-stop	-SKYACTIV-G 1.3 -SKYACTIV-G 1.5, With i-stop	SKYACTIV-D 1.5	SKYACTIV-G 2.0, Without i-stop	SKYACTIV-G 2.0, With i-stop	SKYACTIV-D 1.5
Operation No.	XXMASARX	XXMASBRX	XXMASCRX	XXMASARX	XXMASBRX	XXMASCRX
Labor Hours	3.2	3.3	3.4	3.2	3.3	3.2
REFRIGERANT CHARGE (DJ/DL/DK)	XXMATXRX					
	0.7 Hrs.					
Period Covered	Normal Warranty Period					
Prior approval necessary	NO					

NOTE:

- Claim the replacement parts as related parts.
- Claim qty. 40 w/o "ml" for Compressor Oil as related parts.

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Technical Service Dept.
Mazda Motor Corporation
2F12345678, (MC Internal Use)
151-144, 151-148T, 151-149M