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|--|--------------------------------|
| <b>Subject:</b><br><br>AIR FROM VENTS NOT COLD WITH AIR CONDITIONER ON | <b>Bulletin No:</b> 07-002/16  |
|  | <b>Last Issued:</b> 05/17/2016 |

## APPLICABLE MODEL(S)/VINS

2014 Mazda3 vehicles (Mexico built) with VINs lower than 3MZBM\*\*\*\*\*174272 (produced before December 1, 2014)

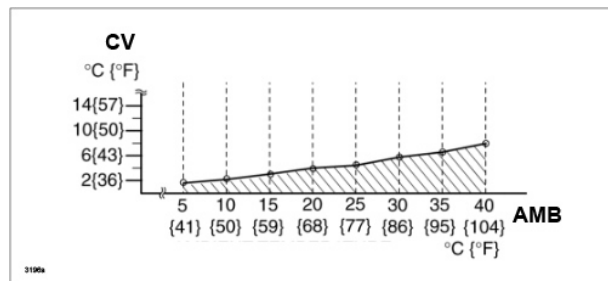
## DESCRIPTION

Some customers may complain that the air from the vents is not cold when the air conditioner is on. This could be caused by dust generated during polishing of the A/C pipes at production remaining in the pipes due to insufficient washing. The dust then circulates in the A/C system causing the condenser to clog and the A/C system to become inoperative. To correct the problem, the polishing process of the A/C pipes has been improved to minimize the generation of dust.

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

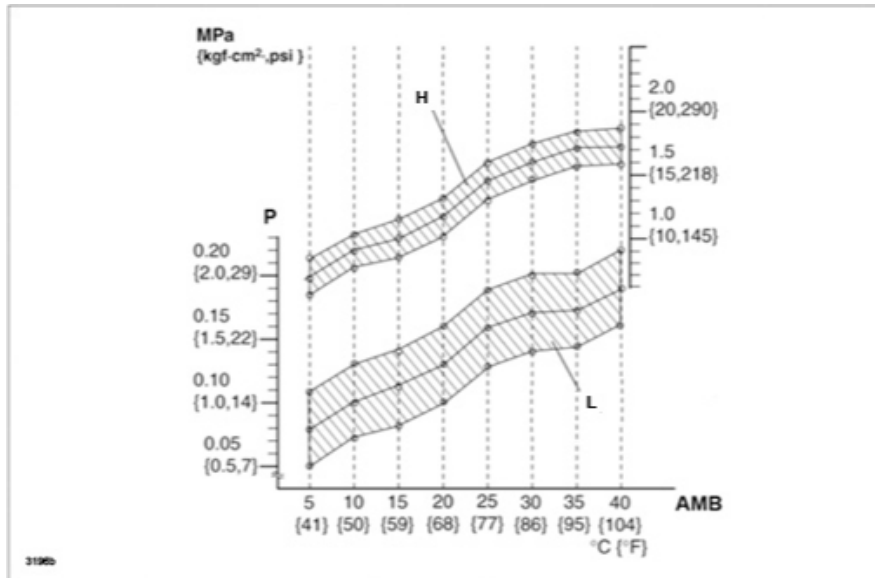
## REPAIR PROCEDURE

1. Verify customer concern by measuring the temperature of the air from the center vents (CV). Check to see if it is within specification of the ambient temperature (AMB) in the following chart.



- If the temperature is within specification, there is no problem with the A/C system.
- If the temperature is NOT within specification, go to next step.

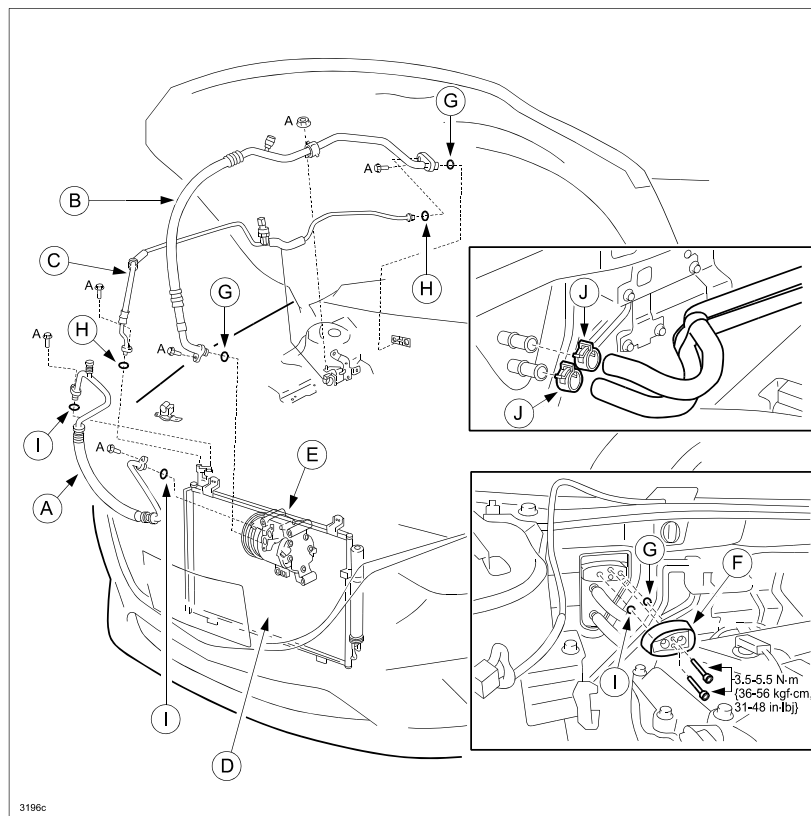
2. Perform "REFRIGERANT PRESSURE CHECK" according to the Workshop Manual . Check to see if the pressure reading of the the manifold gauge (P) is within specification of the ambient temperature (AMB) in the following chart.



- If the refrigerant high-pressure (H) is extremely high and the refrigerant low-pressure (L) is extremely low, go to next step.
  - If the refrigerant pressure is within specification, diagnose the cause using to the Workshop Manual.
  - If the refrigerant pressure is low, refill the system and inspect for the cause of the refrigerant leak.
3. Replace the whole A/C system line with new parts according to the procedures in the following sections of the Workshop Manual.
    - A/C UNIT REMOVAL/INSTALLATION
    - A/C COMPRESSOR REMOVAL/INSTALLATION
    - CONDENSER REMOVAL/INSTALLATION
    - REFRIGERANT LINE REMOVAL/INSTALLATION
  4. Verify repair.

## PART(S) INFORMATION

| Part Number  | Description          | Qty. | Notes                     |
|--------------|----------------------|------|---------------------------|
| BJS7-61-461  | Flexible Hose – HIGH | 1    | (A) in illustration below |
| BJS7-61-462  | Flexible Hose – LOW  | 1    | (B) in illustration below |
| BJS7-61-46X  | Cooler Pipe          | 1    | (C) in illustration below |
| BJS8-61-480  | Condenser            | 1    | (D) in illustration below |
| KD45-61-450A | Compressor           | 1    | (E) in illustration below |
| BJS7-61-J10  | Evaporator           | 1    |                           |
| KF03-61-J14  | Expansion Valve      | 1    | (F) in illustration below |
| BBM4-61-J17  | O-Ring               | 3    | (G) in illustration below |
| GJ6A-61-J19  | O-Ring               | 2    | (H) in illustration below |
| GJ6E-61-J19  | O-Ring               | 3    | (I) in illustration below |
| BP4K-61-242  | Hose Clip            | 2    | (J) in illustration 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.
- Additional diagnostic time cannot be claimed for this repair.

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|---------------------------------|---|
| Warranty Type                   | A   |
| Symptom Code                    | 59 (Insufficient Cooling)   |
| Damage Code                     | 93 (Clogged)  |
| Part Number Main Cause / Qty.   | BJS7-61-462 / 1   |
| Operation Number / Labor Hours: | XXL6FXRX / 6.3 Hrs.<br>(For all Parts specified in "PARTS INFORMATION", R&R)<br>XXL6FARX/ 0.7 Hrs<br>(If refrigerant refilling was performed for low pressure). |