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Subject: AIR INTAKE MODE DOES NOT WORK AFTER REPAIR OF RAIN SENSOR, FBCM, IC, PCM OR TCM	Bulletin No: 07-007/16
	Last Issued: 12/13/2016

APPLICABLE MODEL(S)/VINS

2017 Mazda3 vehicles with VINs from JM1BN*****100087 to 100910 (produced before July 18, 2016)

2017 Mazda6 vehicles with VINs from JM1GL*****100017 to 103945 (produced before July 18, 2016)

DESCRIPTION

After performing any one of the following repairs, the air intake link at the blower unit may disengage and result in the HVAC system not switching between recirculation and fresh air modes.

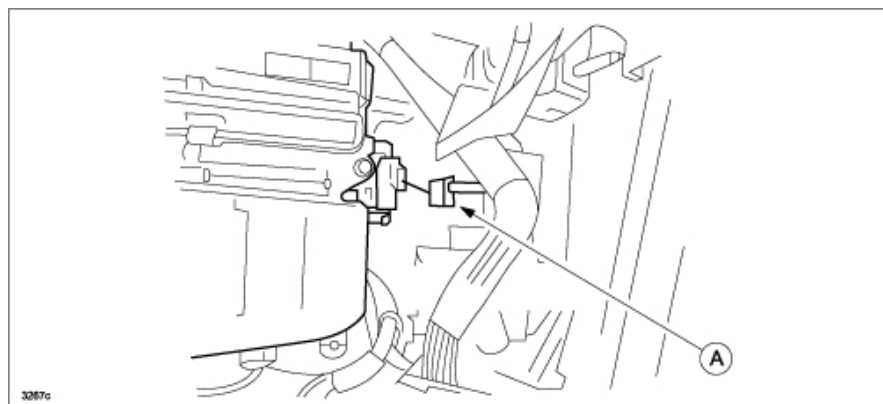
- Replacing rain sensor
- Replacing front body control module (FBCM)
- Replacing instrument cluster (IC)
- Reprogramming any control unit (PCM, TCM, etc) - manual A/C only

This is caused by the air intake link in the blower unit not being sturdy enough for the actuator torque under fail safe mode. Fail safe mode occurs when a communication error occurs between the A/C control unit and the humidity sensor. To correct this problem, the blower unit has been modified. (Part number has not been changed.)

NOTE: The humidity sensor is integrated in the rain sensor unit TK78-66-5G0 and TK79-66-5G0, regardless of the auto wiper system.

To avoid this issue:

- Do not turn the ignition on until all wirings/connections have been completed when replacing rain sensor, FBCM or IC.
- Before starting to reprogram the PCM, TCM etc. (vehicles with manual A/C only), disconnect the air intake actuator connector (A) at the blower unit. After reprogramming is finished, turn the ignition off, connect the actuator connector, and then confirm proper operation.



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.

NOTE: If the date code (YYYY/MM/DD) on the blower unit is the following date or later, it is already modified.

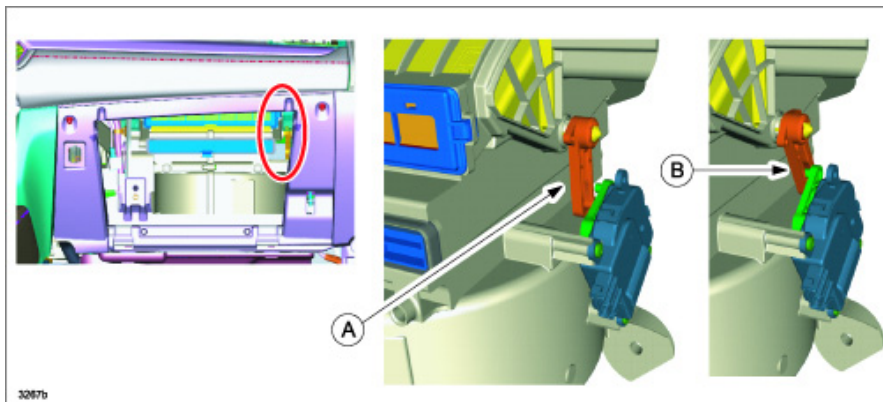
Date Code: Mazda3 - 2016/07/11, Mazda6 - 2016/07/12



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

REPAIR PROCEDURE

1. Verify the customer concern
2. Remove the glove box according to the instructions on MS3.
Mazda3 (GLOVE COMPARTMENT REMOVAL/INSTALLATION).
Mazda6 (GLOVE COMPARTMENT REMOVAL/INSTALLATION).
3. Check if the air intake link is disengaged (A) or engaged (B) as shown.



- If the air intake link is disengaged, replace the blower unit with a modified one according to the instructions on MS3.
Mazda3 (BLOWER UNIT REMOVAL/INSTALLATION).
Mazda6 (BLOWER UNIT REMOVAL/INSTALLATION).

NOTE: Forcing the link back into engagement may result in damage to other parts.

- If the air intake link is not disengaged, troubleshoot the HVAC system according to the instructions on MS3.
4. Verify the repair

PART(S) INFORMATION

Part Number	Description	Qty.	Notes
BAFA-61-140	Blower Unit	1	Mazda3
GRK6-61-140	Blower Unit	1	Mazda6 with manual A/C
GRK7-61-140	Blower Unit	1	Mazda6 with auto A/C

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	64
Damage Code	9B
Part Number Main Cause	****-61-140
Quantity	1
Operation Number / Labor Hours:	XXMA1ARX / 0.5 Hrs. (Mazda3) XXMA1CRX / 0.4 Hrs (Mazda6)