

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922



<b>Subject:</b>  <b>UNPLEASANT ODOR FROM A/C IN HOT WEATHER</b>	<b>Bulletin No.:</b> 07-005/18
	<b>Last Issued:</b> 06/15/2018

This TSB is not for musty/mildew odors. For those types of odors, refer to TSB for [AIR CONDITIONING MUSTY / MILDEW ODOR](#).

## APPLICABLE MODEL(S)/VINS

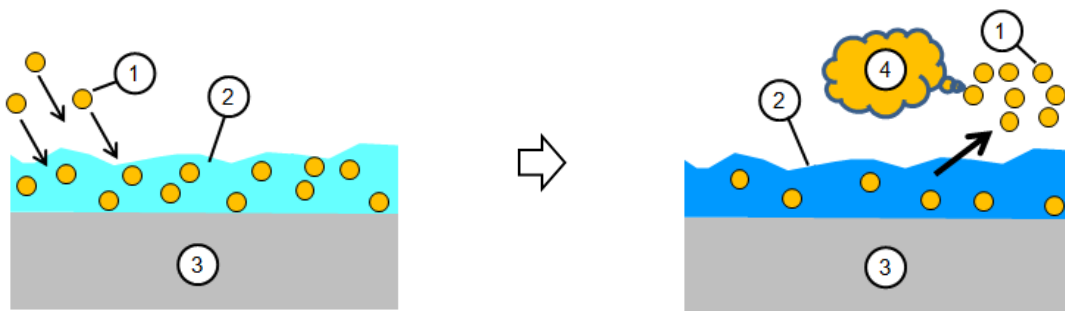
- 2017-2018 Mazda3 (Japan built) vehicles (with Dual Type Full Auto A/C) with VINs lower than JM1BN\*\*\*\*\*178980 (produced before December 1, 2017)
- 2017-2018 Mazda3 (Mexico built) vehicles (with Dual Type Full Auto A/C) with VINs lower than 3MZBN\*\*\*\*\*192274 (produced before December 1, 2017)
- 2017 Mazda6 vehicles (with Dual Type Full Auto A/C) with VINs lower than 153042 (produced before December 1, 2017)

## DESCRIPTION

Some customers may complain about an unpleasant odor (such as one may notice with a home freezer) coming from the A/C in hot weather (95°F / 35°C or above). This could be caused by improper control logic for the climate control unit that leaves the A/C compressor on too long and results in a frozen evaporator and an unpleasant odor. To correct this issue, the control logic for the climate control unit has been modified.

**NOTE:** This TSB is not for musty/mildew odors. For those types of odors, refer to TSB for AIR CONDITIONING MUSTY / MILDEW ODOR.

**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.



Odor particles (1) are absorbed in condensed water (2) at the evaporator surface (3). The odor particles come from exhaust gas, sweat, cosmetics, foods, fragrances, animals, etc.

When frozen, some of the odor particles (1) are released from the ice (2) at the evaporator surface (3) because the ice cannot hold all of them, which results in the unpleasant odor (4).

## REPAIR PROCEDURE

1. Verify concern. The odor should be present when:

- The ambient temperature is 95°F (35°C) or above.
- The climate control is set to AUTO mode.
- 10 minutes after the A/C is turned on and the blower speed has decreased (fan speed 2 in AUTO mode).
  - If the concern can be reproduced, replace the climate control unit with a modified one according to the instructions on MGSS.
    - Mazda3 (CLIMATE CONTROL UNIT REMOVAL/INSTALLATION [FULL-AUTO AIR CONDITIONER]).
    - Mazda6 (CLIMATE CONTROL UNIT REMOVAL/INSTALLATION [FULL-AUTO AIR CONDITIONER]).
  - If the odor is present under different conditions than mentioned above, this TSB does not apply. Follow normal diagnosis according to the instructions on MGSS.

2. Verify repair.

## PARTS INFORMATION

Parts Number	Description	Qty.	Notes
BAES-61-190D	Climate control unit	1	Mazda3
GRV1-61-190C	Climate control unit	1	Mazda6

**NOTE:** The part numbers were not changed for the modification. Check the number at the bottom right of the label. A "2" means modified part.



## 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.

Warranty Type	A
Symptom Code	84
Damage Code	9W
Part Number Main Cause	BAES-61-190D or GRV1-61-190C
Quantity	1
Operation Number / Labor Hours:	XXP49XRX / 0.6 Hrs.

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