

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

**CHECK ENGINE LIGHT ON WITH DTC P111A:00 / ENGINE
OVERHEATING / POOR A/C PERFORMANCE**

Bulletin No.: 01-007/20

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APPLICABLE MODEL(S)

2019-2020 CX-5 SKYACTIV-G 2.5T

DESCRIPTION

Some vehicles may exhibit engine overheating and poor A/C performance with DTC P111A:00 stored in memory.

- DTC P111A:00 - Engine coolant temperature is high

NOTE: If the concern occurred during high speed driving, this Service Information is not applicable. Diagnose concern according to MGSS online.

This concern may be due to improper control module software, which causes the cooling fan to run improperly, resulting in high coolant temperature. The fan control module is integrated into the cooling fan component.



To eliminate this concern, the fan control module software has been modified.

REPAIR PROCEDURE

Page 1 of 2

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.

1. Verify the customer concern.
2. Replace the cooling fan with a modified one according to MGSS online (COOLING FAN MOTOR REMOVAL/INSTALLATION).
3. Verify the repair.

PARTS INFORMATION

Parts Number	Description	Qty.	Notes
PX35-15-025A	FAN, ELECTRIC	1	---

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 Powertrain Warranty term.
 - Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	6X
Damage Code	9W
Part Number Main Cause	****-15-025A
Quantity	1
Operation Number / Labor Hours:	XXS24BRX / 0.9 Hrs.

NOTE: Claim coolant (9L maximum) as related part.

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