

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922



|                                                                                           |                                 |
|-------------------------------------------------------------------------------------------|---------------------------------|
| <b>Subject:</b><br><br>CHARGING WARNING LAMP TURNS ON WITH DTC P2502:00<br>(MEXICO SPEC.) | <b>Bulletin No.:</b> 01-009/24  |
|                                                                                           | <b>Last Issued :</b> 09/27/2024 |

**BULLETIN NOTES**  
**APPLICABLE MODEL(S)/VINS**  
**Mexico Spec.:**

2022-2023 Mazda2 (Mexico built) vehicles with VINs lower than 3MD DJ\*\*\*\* \*\* 478272 (Produced before Aug. 3, 2023)

**DESCRIPTION**

Some customers may notice the charging lamp turns on while driving. Upon inspection, DTC P2502:00 PCM (Malfunction in voltage generated by generator) is stored in memory. This may be caused by resistance between the circuit board and ground. When high intensity electrical current passes through, the ground terminal position may not be sufficient enough.

To eliminate this concern, the DC-DC converter control software has been modified. Additionally, the production procedure has been revised. The tightening torque for the ground terminal and circuit board was increased.

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

**REPAIR PROCEDURE**

1. Verify customer concern.
2. Replace the DC-DC converter according to the instructions on MGSS online DC-DC CONVERTER (M Hybrid) REMOVAL/INSTALLATION [M Hybrid] .
3. Verify the repair.

**PARTS INFORMATION**

| Parts Number | Description      | Qty. | Notes |
|--------------|------------------|------|-------|
| DADR-67-Y6YD | CONVERTER, DC-DC | 1    | ---   |

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**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.

**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                  | 6X                  |
| Damage Code                   | 9W                  |
| Causal Part No.               | DADR-67-Y6YD        |
| Quantity                      | 1                   |
| Operation No. and Labor Hours | XXWRCDRX / 0.6 Hrs. |

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