

Subject: QUICK CHARGING TAKES LONGER TIME IN WINTER	Bulletin No.: 30-001/21
	Last Issued : 12/13/2021

APPLICABLE MODEL(S)/VINS

2022 MX-30 with VINS lower than JM1DR**B***100475 (produced before October 20, 2021)

DESCRIPTION

Some customers may complain that the quick charging takes a longer time during the winter months. This is caused by a low battery temperature. When the battery temperature is low, charging current is limited and results in increased charging time. To eliminate this concern, the control software of the PCM and BECM have been modified to add a winter mode which keeps the high voltage battery warmer.

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

REPAIR PROCEDURE

1. Verify customer concern.
2. Reprogram the PCM and BECM (**MHB** in MDARS screen) with the Mazda Modular Diagnostic System (M-MDS), using the Mazda Diagnostic And Repair Software (MDARS). Refer to MDARS ECU Reprogramming Procedure.

NOTE: If the current calibration file name in the ECU FILENAME screen is the same as shown in the Calibration Files Information or with a later suffix, reprogramming is not necessary.

3. Clear the DTC, turn the ignition off, and get out of the vehicle.
4. Close and lock the door.
5. Wait for at least ten minutes.
6. Verify the repair by turning the power ON (READY on) and making sure no abnormal warning lights are ON.

NOTE: If any DTC should remain after performing a DTC erase, diagnose the DTC according to the instructions on MGSS.

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.

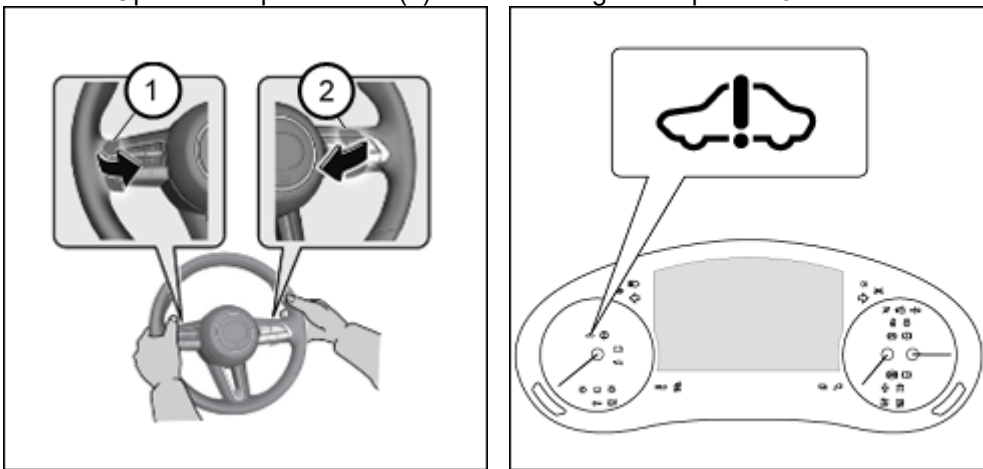
WINTER MODE CHARGING

NOTE: When using the winter mode, the battery heater operates earlier than usual even with the power OFF to help keep the battery warmer. As a result, the next time when turning the power ON (READY on), the distance to full discharge may be shorter than expected and the high voltage battery level may be lower than expected.

Entering and exiting the winter mode

NOTE: Once the vehicle is in winter mode, it does not need to be changed back to normal mode.

1. Turn the power ON (READY off).
2. Shift into Park.
3. Press and hold both the brake and accelerator pedals and operate the following steps (a-d) sequentially within 10 seconds.
 - a. Operate the minus switch (1) of the steering wheel paddle 3 times.
 - b. Operate the plus switch (2) of the steering wheel paddle 3 times.
 - c. Operate the minus switch (1) of the steering wheel paddle 3 times.
 - d. Operate the plus switch (2) of the steering wheel paddle 3 times.



NOTE: After completion of step 1 through 3, the EV system problem warning light flashes.

- Entering the winter mode: flashes 4 times
- Entering the normal mode/exiting the winter mode: flashes 2 times

4. Release the both brake and motor pedals and turn the power OFF.

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CALIBRATION

ECU	File Name
PCM	MH08-186K2-J
BECM (MHB)	MH01-30YF2-F

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	20
Damage Code	9W
Part Number Main Cause	5555-18-881
Quantity	1
Operation Number / Labor Hours:	XXT85XFX / 0.3 Hrs.

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