



# Technical Service Bulletin

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|---|---|--|--|
| SUBJECT:  |   |  | No: <b>TSB-19-54-016</b>                       |
| <b>WARRANTY EXTENSION OF ON-BOARD CHARGER &amp; DC-DC CONVERTER</b> |   |  | DATE: <b>September 2019</b>                    |
|   |   |  | MODEL: <b>2012-13 i-MiEV</b>                   |
| CIRCULATE TO:   | <input type="checkbox"/> GENERAL MANAGER            | <input checked="" type="checkbox"/> PARTS MANAGER      | <input checked="" type="checkbox"/> TECHNICIAN |
| <input checked="" type="checkbox"/> SERVICE ADVISOR                 | <input checked="" type="checkbox"/> SERVICE MANAGER | <input checked="" type="checkbox"/> WARRANTY PROCESSOR | <input type="checkbox"/> SALES MANAGER         |

## PURPOSE

The On-Board Charger and DC-DC converter of 2012 - 2013 i-MiEV vehicles are now covered under an extended warranty period of 10 years, unlimited mileage.

## BACKGROUND

Due to low durability of the capacitors on the circuit boards in the On-Board Charger (OBC), the capacitors may short and cause the high voltage fuse in the Motor Control Unit (MCU) to blow. As a result, the drive battery may not be charged by regular charging and the 12V battery may not be charged. When this occurs, the power unit and 12V battery warning lights will turn ON, setting DTC POA09.

This TSB instructs dealers to confirm that DTC POA09 has set, and the high voltage fuse in the MCU has blown, then replace the OBC with a new one.

## AFFECTED VEHICLES

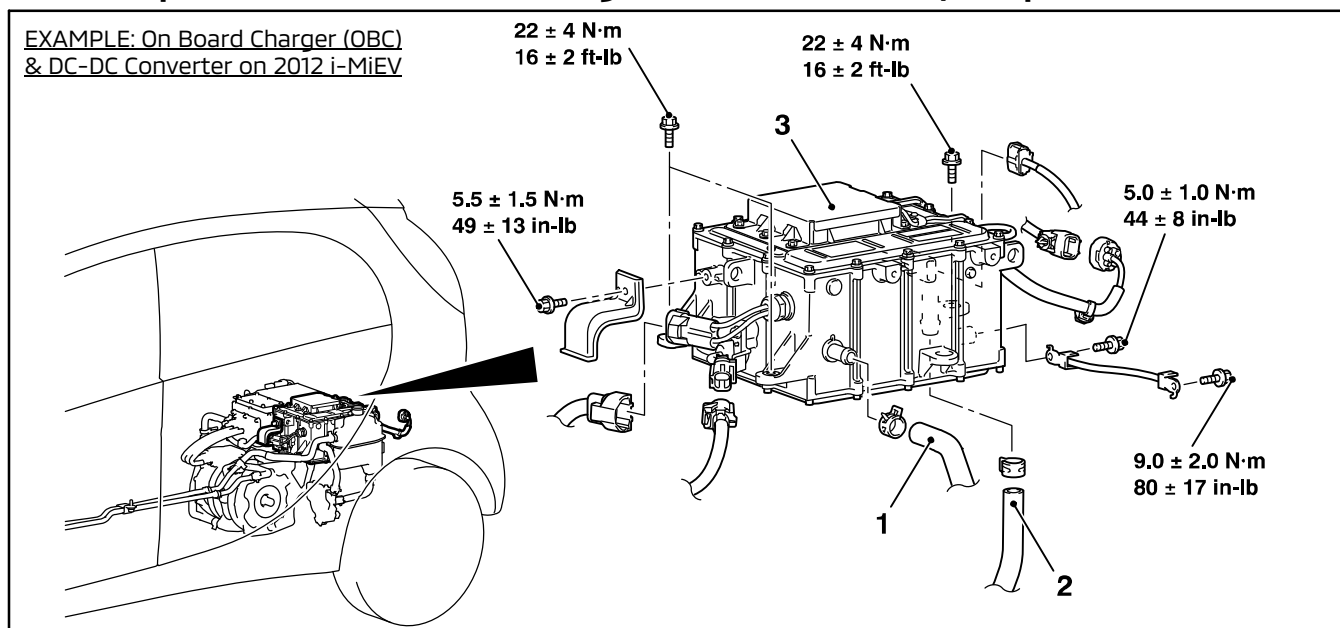
2012 - 2013 i-MiEV vehicles (2013 sold in Canada only)

## CUSTOMER NOTIFICATION

Letters are being sent to all owners of affected vehicles informing them of the warranty extension. A sample customer notification letter appears at the end of this bulletin.

## REPAIR PROCEDURE

**⚠ WARNING** When servicing high-voltage system parts, be sure to wear the specified protection equipment and disconnect the service plug to interrupt the high-voltage supply (Refer to specific instructions and warnings in the Service Manual, Group 54D).



1. Confirm that DTC P0A09 has set for the DC-DC converter, and that the high voltage fuse in the Motor Control Unit (MCU) is blown.  
For diagnosis of DTC P0A09, refer to the applicable Service Manual, Group 54D, Electric Motor Unit and Traction Battery / EV-ECU / Diagnostic Trouble Code Procedures / DTC P0A09 DCDC Converter. Also see **TSB-19-54-014** (DTC P0A09: DC-DC Converter Revision - SMR).
2. Replace the On-Board Charger (OBC) with a new one, following the procedure in the applicable Service Manual, Group 54D, Electric Motor Unit and Traction Battery / On Board Charger/DC-DC Converter (OBC) / Removal and Installation.

EXAMPLE: Countermeasure Mark on Label of Updated On-Board Charger (OBC)



**NOTE: The countermeasure OBC part (p/n 9481A171) should have a mark (black dot) on the label, as shown.**

## PARTS INFORMATION

Order only the Genuine Mitsubishi Parts listed below.

| Part Name                      | Part Number | Quantity |
|--------------------------------|-------------|----------|
| On-board Charger               | 9481A171    | 1        |
| Hose, Radiator Piping (Hose-S) | 9427A232    | 1        |
| Hose, Radiator Piping (Hose-T) | 9427A234    | 1        |
| O-Ring                         | 9499A797    | 1        |
| Fuse, Motor Control Unit       | 9499A656    | 1        |
| Bolt, Flange, 8x20 (GND)       | MF915002    | 1        |

## WARRANTY INFORMATION

This bulletin is supplied as technical information only and is not an authorization to repair. If an affected vehicle is reported with the described condition, diagnose the condition, repair as described in this bulletin and submit a normal warranty claim using the following information.

| Labor Operation Code | Operation                                    | Nature Code | Cause Code | Time Allowance |
|----------------------|--|-------------|------------|----------------|
| 547080WU             | Replace On-Board Charger and DC-DC Converter | 4BD         | 260        | 1.3 hrs        |

Warranty Extension: 10 yrs, Unlimited mileage



Mitsubishi Motors North America, Inc.  
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Cypress, CA 90630  
Telephone: 714-372-6000  
www.mitsubishicars.com

AFFECTED VEHICLES  
MODEL: 2012 i-MiEV

Date: September 2019

Dear **Name**,

Mitsubishi Motors North America Inc. has determined that due to potential low durability of the capacitors on the circuit boards in the On-Board Charger (OBC), the capacitors may short and cause the high voltage fuse in the Motor Control Units (MCU) to blow. As a result, the drive battery may not be charged by regular charging and the 12V battery may not be charged. When this occurs, the power unit and 12V battery warning lights will turn on.

To ensure your continued satisfaction with your vehicle, Mitsubishi is extending the warranty for the OBC on your vehicle to **10 years / unlimited miles**.

If you have already had the OBC replaced on your vehicle and have paid for the repair, you may send your original receipts and/or other adequate proof of payment to the following address for reimbursement consideration:

Mitsubishi Customer Relations Department, P.O. Box 6400, Cypress, CA 90630-0064

Please keep a copy of this notification with your vehicle's warranty book for future reference. If you have any questions, please contact us:

Mitsubishi Customer Relations Department • P.O. Box 6400 Cypress, CA 90630-0064  
Phone 1-888-648-7820 Hours: Monday – Friday 7 a.m. – 4 p.m. Pacific Time

Sincerely,

Mitsubishi Motors North America, Inc.

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