

Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



© 2014 Mazda Motor of America, Inc.

Subject: INFORMATION DISPLAY SHOWS "FOW INSPECTION REQUIRED" AND DTC C1A67:78 IS STORED	Bulletin No: 01-016/14
	Last Issued: 07/08/2014

BULLETIN NOTE

- This bulletin supersedes the previous bulletin 01-029/13, issued on 11/27/2013. The REPAIR PROCEDURE, PART(S) and WARRANTY INFORMATION have been revised.
- Changes are noted below in Red beside the change bar.

APPLICABLE MODEL(S)/VINS

2014 Mazda6 vehicles with VINs lower than JM1 GJ ***** 149082 (produced before October 01, 2013)

DESCRIPTION

Some customers may experience a MRCC malfunction when driving long distances with MRCC set. Instrument cluster information display shows "FOW INSPECTION REQUIRED" and DTC C1A67:78 (Radar sensor axis is deviated) is stored. This is caused by MRCC no obstacle detection during a long drive.



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

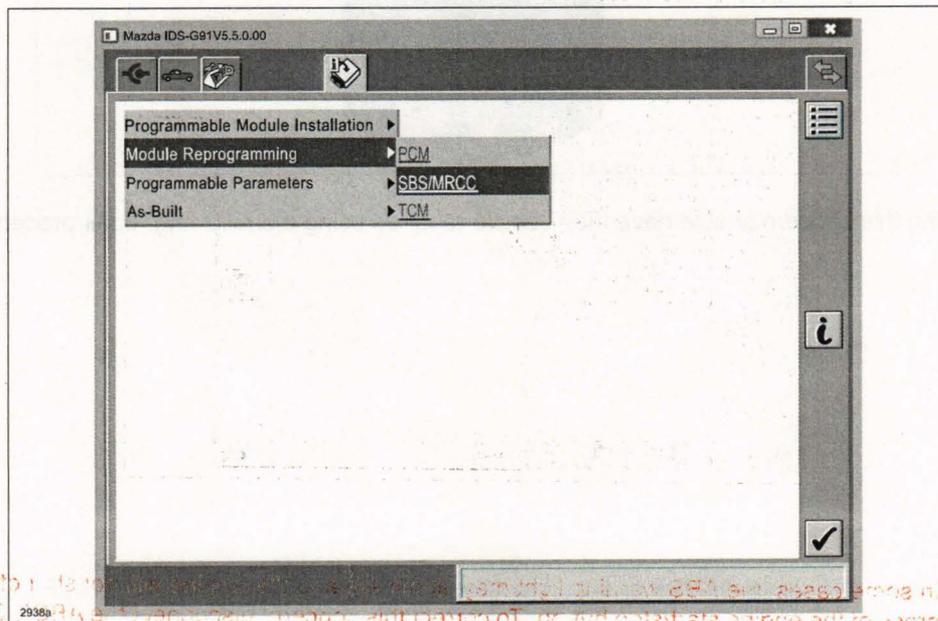
CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers 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.

REPAIR PROCEDURE

1. Verify customer concern.
2. Verify that there is no external damage to the radar sensor, or impact around the radar sensor causing the radar axis deviation.
3. Reboot the IDS to clear memory before reprogramming.
4. Using IDS 90.05 or later software, reprogram the Vehicle Control Module (VCM) to the latest calibration following the "Module Reprogramming" procedure.

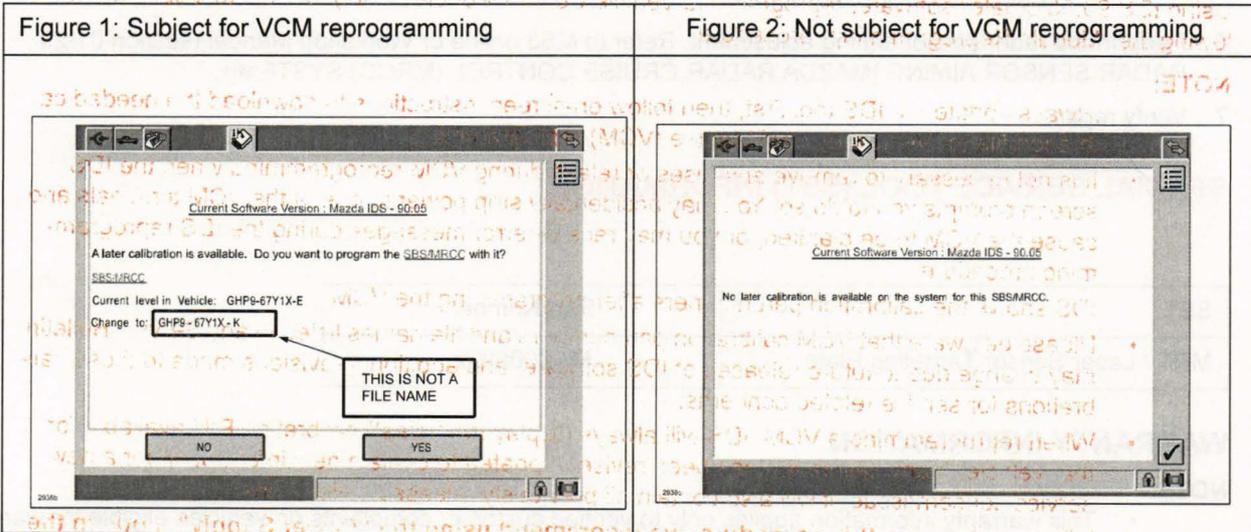
NOTE:

- Always update the IDS tool first, then follow on-screen instructions to download the needed calibration file for Vehicle Control Module (VCM) reprogramming.
 - It is not necessary to remove any fuses or relays during VCM reprogramming when the IDS screen prompts you to do so. You may accidentally stop power to one of the VCM terminals and cause the VCM to be blanked, or you may receive error messages during the IDS reprogramming procedure.
 - IDS shows the calibration part numbers after programming the VCM.
 - Please be aware that VCM calibration part numbers and file names listed in any Service Bulletin may change due to future releases of IDS software, and additional revisions made to those calibrations for service related concerns.
 - When reprogramming a VCM, IDS will always display the "latest" calibration P/N available for that vehicle. If any calibration has been revised/updated to contain new information for a new service concern/issue, it will also contain all previously released calibrations.
 - **When performing this procedure, we recommend using the "Power Supply" mode in the GR8 Battery Management System to keep the vehicle battery up to capacity. If a different charger is used, make sure it does not exceed 20 AMPS. If it exceeds 20 AMPS, it could damage the VCM.**
- a. Select "Module Reprogramming", then select "SBS/MRCC".

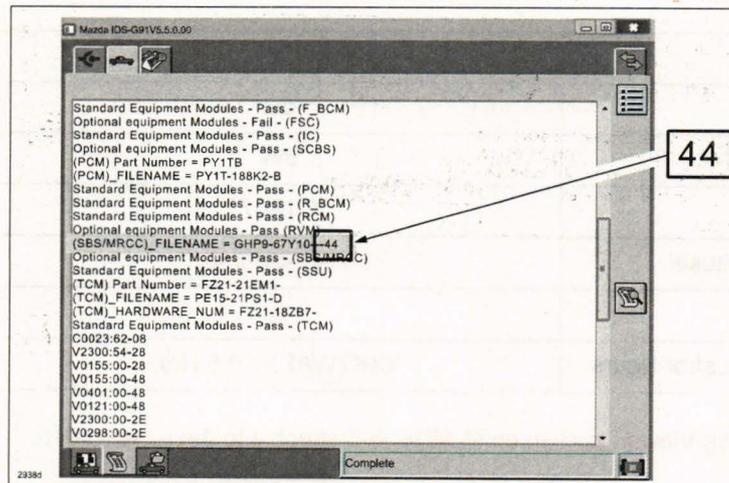


NOTE: The menu "SBS/MRCC" appears regardless of the equipment of MRCC System. For vehicles without the MRCC System, do not click this menu.

- b. Either of the following screens (Figure 1 or 2) is displayed.
- If the Figure 1 is displayed, the VCM is before the latest calibration. Click "YES" and follow the M-MDS instructions to reprogram the VCM.
 - If the Figure 2 is displayed, the VCM is already the latest calibration. This Service Information does not apply and refer to Workshop Manual for troubleshooting and repair.



- c. After reprogramming, close the session. Then, open a new session and go to the "Log Viewer" screen. The programmed file name is displayed as shown in figure below. If the last two letters are "44", the reprogramming has been successfully completed.



NOTE:

- In some cases, the ABS warning light may illuminate and the engine will not shut off by one-press of the engine start/stop button. To correct this concern, disconnect the ABS/DSC 30A fuse for 10 seconds.
- After reprogramming, communication error related DTCs may be stored. This is normal operation. Delete these DTCs.

5. After performing the VCM reprogramming procedure, verify the repair by starting the engine and making sure there are no MIL illumination or abnormal warning lights present.

NOTE:

- If any DTCs should remain after performing DTC erase, diagnose the DTCs according to the appropriate Troubleshooting section of the Workshop Manual.
- After VCM reprogramming, it is no longer necessary to road test the vehicle to "relearn" KAM (Keep Alive Memory).

6. Perform the radar sensor aiming adjustment. Refer to MS3 online or Workshop Manual (section 01-20 RADAR SENSOR AIMING [MAZDA RADAR CRUISE CONTROL (MRCC) SYSTEM]).

7. Verify repair.

SPECIAL SERVICE TOOL (SST) INFORMATION

SST	Part Number
MRT / Laser Sensor Targeting Plate	MAZ009922

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	62
Damage Code	9W
DTC Code	C1A67
Part Number Main Cause	7777-SP-J48
Quantity	0
Operation Number / Labor Hours:	XXK7WAFX / 0.5 Hrs.

Make a copy of the "Log Viewer" screen on M-MDS and attach it to the repair order.