



Subject: MULTI-MODEL - ELECTRICAL CONCERN AND/OR MULTIPLE DTC'S DUE TO AFTERMARKET DEVICE	M-Tips No.: MT-004/18
	Last Issued: 03/28/2018

BULLETIN NOTES

This M-Tip supersedes the previously issued article(s) listed below: The changes are noted in Red.

Previous M-Tip(s):	Date(s) Issued:
MT-017/17	11/02/2017
MT-013/13	01/01/2013

APPLICABLE MODEL(S)/VINS

Mazda2 2011-2014	Mazda6 2007-2018	CX-7 2007-2012	RX-8 2007-2011
Mazda3 2007-2018	CX-3 2016-2018	CX-9 2007-2018	
Mazda5 2007-2015	CX-5 2013-2018	MX-5 2007-2018	

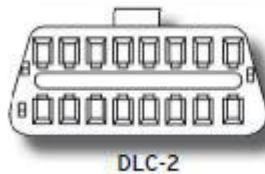
DESCRIPTION

If you encounter any type of electrical concern (e.g, dead battery), interview the customer before proceeding with normal Workshop Manual diagnosis. Aftermarket devices may be the cause of the electrical concern. Ask the customer if any aftermarket devices have been installed. Below are a couple of examples of unusual electrical concerns caused by aftermarket devices.

Example 1

Some electrical devices connected to the DLC-2 connector by insurance or mobile phone companies may cause:

- Battery discharge. The device may disrupt the CAN system battery saver mode.
- IDS/MMDS will not communicate with the vehicle due to poor DLC-2 connection. The aftermarket device may cause DLC-2 female terminals to spread open.
- DTCs
 - B1041:54 - ADAPTIVE FRONT LIGHTING SYSTEM (AFS) CONTROL MODULE
 - C0061:54 - DSC HU/CM
 - C1001:92 - FORWARD SENSING CAMERA (FSC)
 - C1001:97 - FORWARD SENSING CAMERA (FSC)
 - U0415:00 - MAZDA RADAR CRUISE CONTROL (MRCC)/SMART BRAKE SUPPORT (SBS)
 - U0420:00 - MAZDA RADAR CRUISE CONTROL (MRCC)/SMART BRAKE SUPPORT (SBS)
 - U300A:62 - ELECTRIC PARKING BRAKE (EPB)
 - Multiple DTC's (U0xxx:00 Communication error)



If you determine that no aftermarket devices have been installed, continue with normal Workshop Manual diagnosis.

Example 2

Some aftermarket devices that are wired to the vehicles's wiring harness may create unusual electrical symptoms and/or store DTCs. Below is an example of a dim headlight. The aftermarket device changed the headlight circuit resistance, causing a dim headlight.

