

VIN or Model 2007 ☐ Model CX7 ☐ Body / Accessory ☐
 Year

General Information ☐ Engine ☐ Suspension ☐ Transmission / Transaxle ☐ HVAC ☐ W ☐

IMPROPER SKE OPERATION CAUSED BY POWER INVERTERS

Applicable Models

Model	Starting S/N	Ending S/N	Model Spec
CX7 2007-2007	000000	ZZZZZZ	W/SMART KEYLESS
CX9 2007-2007	000000	ZZZZZZ	W/SMART KEYLESS
MAZDA6 2006-2007	000000	ZZZZZZ	W/SMART KEYLESS
MIATA 2006-2006	000000	ZZZZZZ	W/SMART KEYLESS
MX5 2007-2007	000000	ZZZZZZ	W/SMART KEYLESS
RX8 2006-2007	000000	ZZZZZZ	W/SMART KEYLESS

Related Category/Subcategory/Symptoms

BODY AND ACCESSORY / KEYLESS ENTRY TROUBLESHOOTING / IMPROPER OPERATION

BODY AND ACCESSORY / SECURITY AND LOCKS / DOES NOT TURN ON/WARNING LIGHT

BODY AND ACCESSORY / OTHER / DOES NOT TURN OFF/WARNING LIGHT

BODY AND ACCESSORY / POWER SYSTEMS / IMPROPER INDICATION

BODY AND ACCESSORY / SECURITY AND LOCKS / OTHERS

MTOL - 5543 Dealer Repair Information

Symptom and Conditions

When an aftermarket power inverter is plugged into a switched power port in a vehicle equipped with Smart Keyless Entry it can cause a temporary malfunction of the system.

Example of the symptoms:

1. With all doors closed, when the ignition is cycled to run and back to lock the "key" light in the instrument panel will not light red or green when the ignition push switch is pressed.
2. After symptom #1, if on, the audio unit will stay powered on.
3. After symptom #1, if the driver's door is opened the red "key" light will flash.
4. After symptom #3, if the driver exits the vehicle with the card key, and the door is closed, the exterior advanced keyless system warning will double one or more times.
5. After symptom #4, all remote transmitter and door lock request functions are inoperative.
6. During the failure the PWR_ACC PID in the RKE module will display ON.

Repair Procedure