

<b>Subject:</b> <b>MIL ILLUMINATION WITH DTC P2135 OR DTCs P0123 AND/OR P0222 AFTER THROTTLE BODY REPLACEMENT</b>	<b>Bulletin No:</b> 01-015/13
	<b>Last Issued:</b> 06/14/2013

## BULLETIN NOTE

- This bulletin supersedes the previous bulletin 01-030/11, issued on 09/27/11. The DESCRIPTION, REPAIR PROCEDURE, PART(S) INFORMATION and SUGGESTED REPAIR TIME have been revised.
- Changes are noted below in Red beside the change bar.

## APPLICABLE MODEL(S)/VINS

2003-2004 Mazda6 3.0L

## DESCRIPTION

Some vehicles may experience a MIL illumination with DTC P2135 stored in memory or DTCs P0123 and/or P0222 stored after the throttle body has been replaced.

- DTC P2135: Throttle Position Sensor No.1 / No. 2 Voltage Correlation
- DTC P0123: Throttle Position Sensor No.1 Circuit High Input
- DTC P0222: Throttle Position Sensor No.2 Circuit Low Input

DTCs P0123 and/or P0222 may be stored immediately (or some time later) after installing a new throttle body with either part number AJ57-13-640D or AJT1-13-640. This is due to an abnormal electrical noise within the engine harness of certain vehicles. This condition can be prevented or corrected by installing a **short cord (with diode)** as described in this service bulletin.

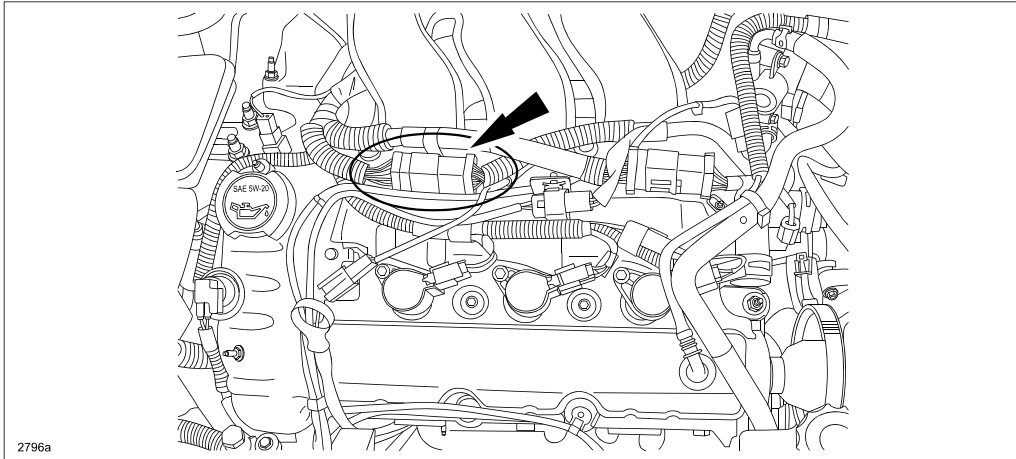
**NOTE:** A **short cord (with diode)** should only be used to correct DTCs P0123 and/or P0222 that were set **AFTER** the throttle body was replaced. Vehicles that have stored DTCs P0123 and/or P0222 without a throttle body replacement should be diagnosed and repaired according to the workshop manual, not this service bulletin.

## REPAIR PROCEDURE

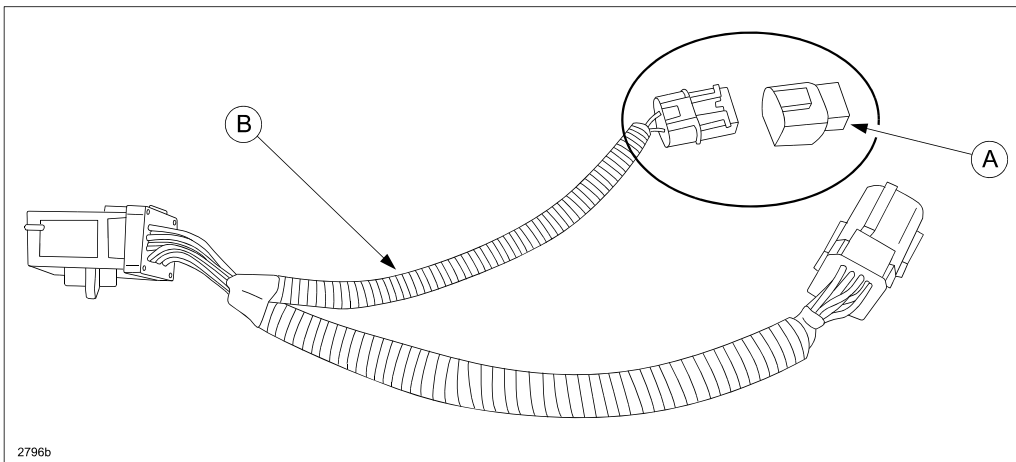
1. Verify customer concern.
2. Determine which DTC(s) are present.
  - If DTCs P0123 and/or P0222 are present (**AFTER** throttle body replacement), install a **short cord (with diode)** according to "**Short Cord (with Diode)** Installation Procedure" below.
  - If DTC P2135 is present, replace the throttle body with a new part (AJT1-13-640) according to the online instructions on MS3 or Workshop Manual (section 01-13 INTAKE AIR SYSTEM REMOVAL/INSTALLATION (AJ)), then install a **short cord (with diode)** according to "**Short Cord (with Diode)** Installation Procedure" below.

### **Short Cord (with Diode) Installation Procedure:**

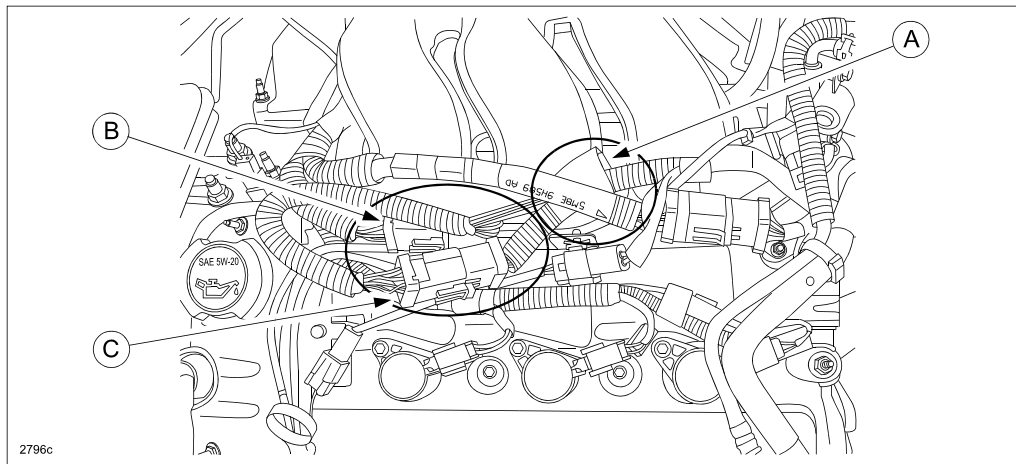
1. Record the customer's preset radio stations.
2. Disconnect the negative battery cable.
3. Remove the engine cover.
4. Disconnect the main harness connector shown below.



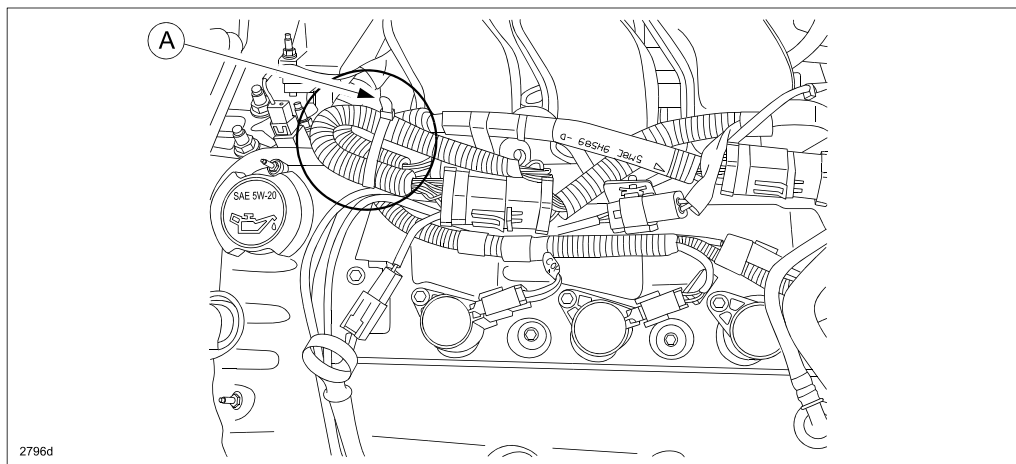
5. Connect the diode (A) to the short cord assembly (B) connector as shown below.



6. Tape the diode area (A) and main harness together, then connect the short cord connectors (B and C) as shown below.



7. Tie the short cord and main harness with a band (A).



8. Install the engine cover.  
9. Re-connect the negative battery cable.  
10. Re-enter the customer's preset radio stations.  
11. Verify repair.

## PART(S) INFORMATION

Part Number	Description	Qty.	Notes
AJY1-67-SH1	Short Cord Assy.	1	---
CA41-67-ZA1	Diode	1	---

## SUGGESTED REPAIR TIME

Repair Time: 0.2 Hr.

**NOTE:** Warranty coverage for this repair would be 48 months or 50,000 miles, whichever comes first. There should be no more customer vehicles within this warranty term.