

Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



© 2013 Mazda Motor of America, Inc.

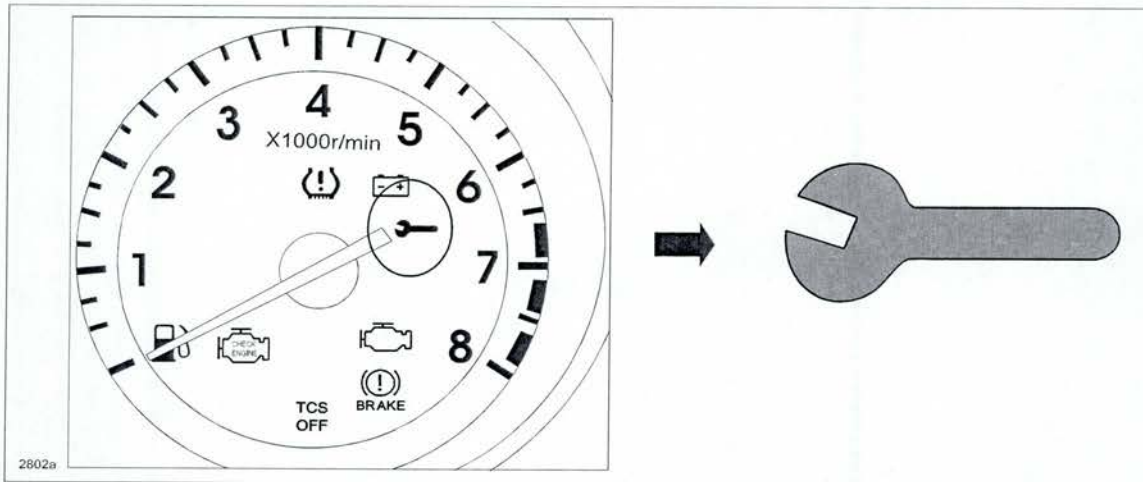
Subject: LACK OF POWER / WRENCH LIGHT COMES ON WITH DTCs P0123 / P0222	Bulletin No: 01-017/13
	Last Issued: 07/02/2013

APPLICABLE MODEL(S)/VINS

2011-2013 CX-9 with VINs lower than JM3TB*****419830 (produced May 1, 2013)

DESCRIPTION

Some vehicles may experience a lack of power and the wrench light comes on with DTCs P0123 / P0222 stored in memory.



Wrench Light: Powertrain Malfunction / Reduced Power Warning Light

- DTC: P0123:00 TP sensor No.1 circuit high input.
- DTC: P0222:00 TP sensor No. 2 circuit low input.

To eliminate this concern, the emissions harness has been improved.

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 the customer concern.
2. Inspect the following according to the instructions on MS3 online or the Workshop Manual (section 01-02 DTC P0123:00 [MZI-3.7] or DTC P0222:00 [MZI-3.7]).

DTC: P0123:00 TP Sensor No. 1 Circuit High Input.

The TP sensor No.1 circuit was flagged as a concern by the PCM indicating a high voltage.

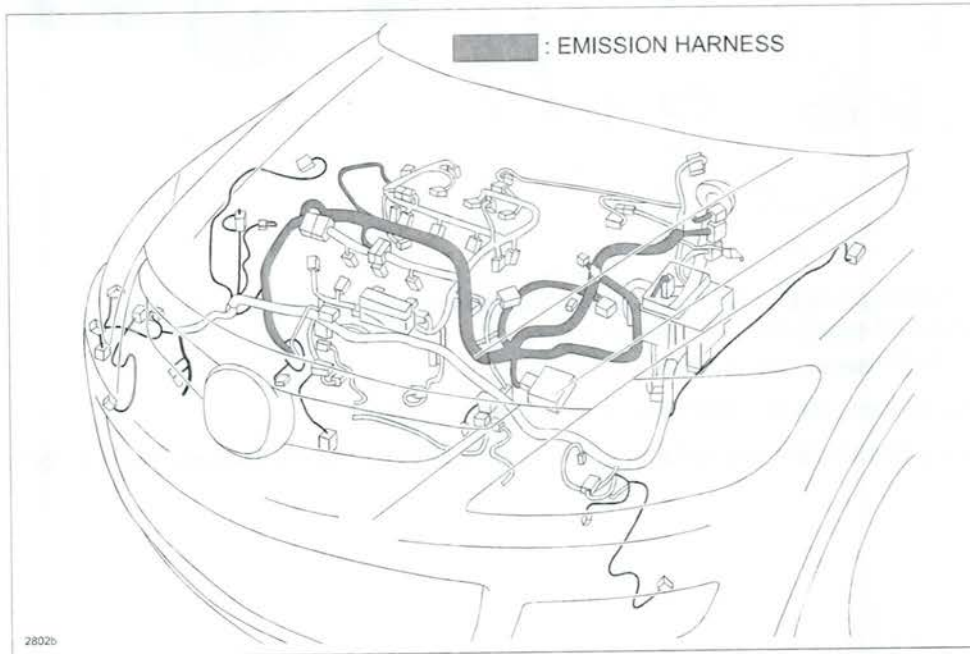
- Connector or terminal malfunction.
- Short to constant voltage supply circuit between throttle body terminal F and PCM terminal 2AN.
- TP sensor signal circuits are shorting each other.
- TP sensor No.1 malfunction.

DTC: P0222:00 TP Sensor No. 2 Circuit Low Input.

The TP sensor No. 2 circuit was flagged as a concern by the PCM indicating a low voltage or open circuit.

- Connector or terminal malfunction.
- Short to ground circuit between throttle body terminal C and PCM terminal 2AL.
- Open circuit between throttle body terminal C (E) and PCM terminal 2AL (2Z).
- TP sensor No. 2 malfunction.

If no trouble is found during the inspection above, replace the emissions harness with a modified part.



Bulletin No: 01-017/13
© 2013 Mazda Motor of America, Inc.

Last Issued: 07/02/2013

PART(S) INFORMATION

Part Number	Description	Qty.	Notes
TG20-67-020C	Emissions Harness	1	---

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 and California Emission Defects Warranty (Long Term).
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	14
Damage Code	9Q
DTC	P0123 or P0222
Part Number Main Cause	TG20-67-020C
Quantity	1
Operation Number / Labor Hours:	XXJ79XRX / 2.6 Hrs. (includes diagnostic time)

NOTE: Warranty claim submission will require entry of a valid DTC.