

Service Alert

Mazda North American Operations
Irvine, CA 92618-2922



Subject: CHECK ENGINE LIGHT ON WITH DTCs P2A04:00, P2272:00 AND/OR OTHER DTCs	Service Alert No.: SA-004/19
	Last Issued: 02/04/2019

BULLETIN NOTES

This service alert the previously issued service alert(s) listed below. The changes are noted in Red text.

Previous TSBs:	Date(s) Issued:
SA-004/18	02/06/2018

APPLICABLE MODEL(S)/VINS

2007-2015 CX-9

DESCRIPTION

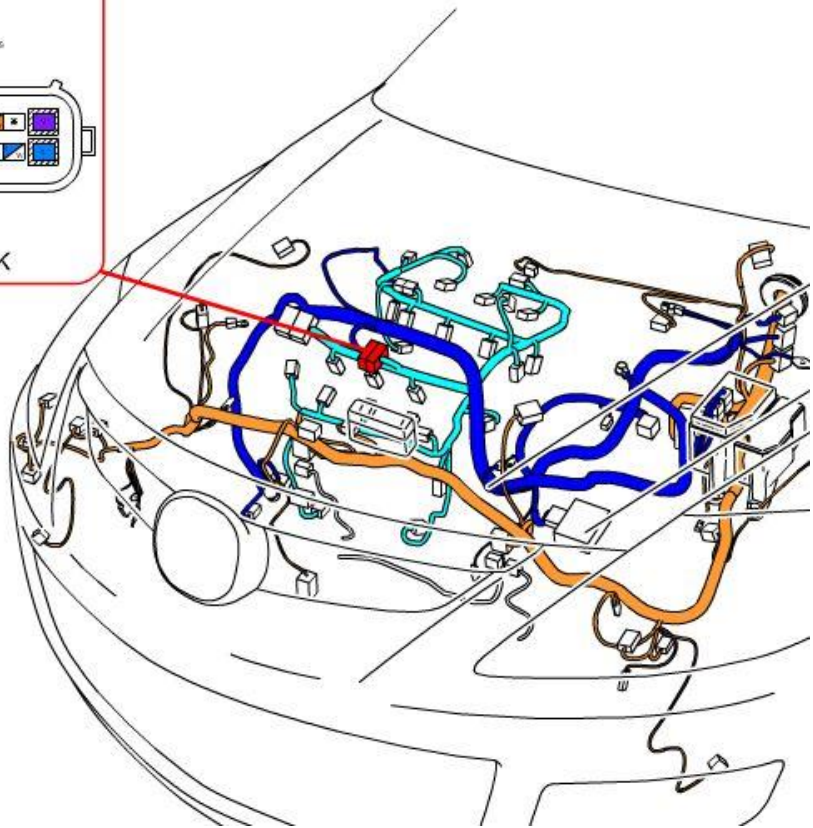
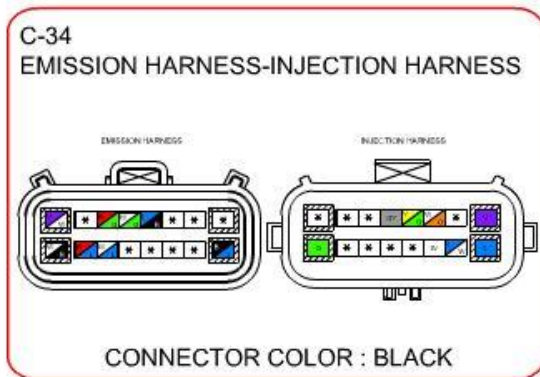
Some customers may complain of a check engine light on while driving the vehicle. If DTCs P2A04:00, P2272:00 and/or other DTCs are found during diagnosis, follow the repair procedure below.

- P2A04:00 - HO2S (LH) circuit range/performance
- P2272:00 - HO2S (LH) signal stuck lean
- P2270:00 - HO2S (RH) signal stuck lean
- P2A01:00 - HO2S (RH) circuit range/performance

REPAIR PROCEDURE

1. Verify the customer concern.
2. Inspect the C-34 connector (shown below) for engine oil contamination.

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.



- If oil contamination is not present, this repair is not applicable. Diagnose DTCs according to the instructions on MGSS online.
 - If oil contamination is present in the C-34 connector, perform the following steps:
 - a. Inspect the engine oil pressure switch for external leaks.
 - b. If external leak is found, replace the engine oil pressure switch.
 - c. Clean the C-34 connector and harness of oil contamination, then go to step 3.
3. Inspect the related O2 sensors according to the instructions on MGSS online.
- If the related O2 sensors are operating correctly, go to step 4.
 - If the related O2 sensors are not operating correctly, replace the affected O2 sensor(s) according to the instructions on MGSS online, then go to next step.
4. Clear DTC(s) and test drive to confirm repair.