

Subject: CHECK ENGINE LIGHT ON WITH P3400	Service Alert No.: SA-047/21
	Last Issued : 09/16/2021

BULLETIN NOTES

This Service Alert supersedes the previously issued Service Alert(s) listed below: The changes are noted in Red.

Previous Service Alert(s):	Date(s) Issued:
SA-061/20	09/10/2020 and 08/05/2020
SA-015/19	05/20/19 and 04/08/19

APPLICABLE MODEL(S)/VINS

2018-~~2021~~ Mazda6
 2018-~~2021~~ CX-5
 2019-~~2021~~ Mazda3
 2020-~~2021~~ CX-30
 2016-2021 CX-3

DESCRIPTION

If you receive a customer concern about the CHECK ENGINE light coming on and DTC P3400 (cylinder deactivation system malfunction) stored, the cylinder deactivation oil control valve may be plugged with plastic debris from the oil filter wrapper. The debris may enter the center of the oil filter when poking a hole in the filter wrapper during removal, and then travel through the engine and plug the cylinder deactivation oil control valve.

REPAIR PROCEDURE

1. Verify customer concern.
2. Remove the front and rear cylinder deactivation oil control valves and inspect the oil control valves and cylinder head port for contamination or debris (see photo).

Was contamination or debris found?

- **YES:** Inspect the oil passage for debris and clear the passage if debris is found. A vacuum device such as a brake bleeder may be helpful in removing the debris.
 - If the OCV tip filter is damaged, replace the cylinder deactivation OCV.
- **NO:** Proceed with a normal diagnosis for DTC P3400 on MGSS.

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.



3. Verify repair.

WARRANTY INFORMATION

Warranty does not apply if condition is created from outside influence.

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