



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

## 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.

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3. Verify repair.

#### WARRANTY INFORMATION

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

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