

Service Alert

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

**OIL PRESSURE WARNING LIGHT OR CHECK ENGINE LIGHT ON
WITH DTC P0524 AND/OR P055F AND NO DRIVABILITY CONCERN
OR MECHANICAL NOISE**

Service Alert No.: SA-055/20

Last Issued: 07/09/2020

BULLETIN NOTES

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

Previous Service Alert:	Date(s) Issued:
SA-055/20	06/22/20
SA-041/19	09/20/19

APPLICABLE MODEL(S)/VINS

2018-2019 CX-5
2018-2019 Mazda 6
2019-2020 Mazda 3

Exclude 2020 CX-30 SEE

DESCRIPTION

If a customer comes in with the following concerns:

- OIL PRESSURE WARNING light and/or the CHECK ENGINE light ON.
- DTC P055F and/or P0524 stored.
- No drivability concern or engine mechanical noise.
- Outside the VIN range in TSB 01-020/18.

Perform the following inspection:

1. Inspect the engine oil.

Is it above MIN on the dipstick and in good condition using an OEM filter?

Yes, Proceed to step 2.

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No, Correct condition then go to step 2.

2. Perform engine oil pressure inspection using the DataLogger PIDs.

NOTE:

- It is critical to keep RPM within the specified range when measuring the oil pressure.
- Use an external cooling fan or turn on the heater and set the fan speed to high to maintain engine coolant/oil temperature.
- Document your pressure readings and RPM on the repair order and warranty claim.

Oil pressure (reference value)
Lo: 135-165 kPa {1.38-1.68 kgf/cm ² , 19.6-23.9 psi} [1,500 - 1,600 rpm]*
Hi: 225-275 kPa {2.30-2.80 kgf/cm ² , 32.7-39.8 psi} [4,500 - 4,600 rpm]*
Oil temperature: 80-90 °C {176-194 °F}, Coolant temperature: 80-90 °C {176-194 °F}

M-MDS DATALOGGER PIDs
• EOP: Engine oil pressure [kPa, Bar, psi]
• RPM: Engine Speed [rpm]
• ECT: Engine Coolant temperature [°C, °F]
• OIL_TEMP: Engine Oil temperature [°C, °F]

3. Contact Hotline for assistance.

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