

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**

Service Alert No.: SA-022/20

Last Issued: 02/05/2020

APPLICABLE MODEL

2020 CX-30

DESCRIPTION

If you encounter a vehicle with the oil pressure warning light on or a check engine light on with DTC P0524 and/or P055F, and no driveability concerns or mechanical noises, 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.

No, Correct condition then go to step 2.

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

- 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]

NOTE:

Page 1 of 2

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- * 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 all work performed including oil pressure readings and RPM then contact Hotline for assistance.

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