

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: OIL SEEPAGE FROM AUTOMATIC TRANSMISSION (A/T) AT THERMO VALVE	Bulletin No.: 05-002/24
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BULLETIN NOTES

APPLICABLE MODEL(S)/VINS

2024 CX-90 (3.3L MHEV) with VINS lower than JM3KK*****155319 (produced before December 21, 2023)

DESCRIPTION

Some technicians may notice an oil seepage from the A/T at the thermo valve when the vehicle under covers are removed.



This is caused by insufficient tightening torque of the thermo valve. To eliminate this concern, the tightening torque of the thermo valve has been modified from 52-59 ft-lbs (70-80 N·m) to 63-71 ft-lbs (86-96 N·m).

Technicians seeing this concern should repair the vehicle using the following repair procedure.

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REPAIR PROCEDURE

1. Verify the concern.
2. Remove the thermo valve and replace the gasket with a new one.

CAUTION:

- Take care handling hot parts right after turning off the engine to avoid injury.
- While removing and reinstalling the thermo valve, approximately 2 fl oz (50 ml) of ATF will leak out. Prepare a container to collect it and keep face away when loosening the thermo valve. With the engine off, no pressure is applied at the thermo valve, but ATF will drip by gravity and leak out.

a. Remove the front under cover No.3 according to the instructions in MGSS (FRONT UNDER COVER REMOVAL/INSTALLATION).

b. Remove the thermo valve and the gasket.

c. Degrease the mounting area of the thermo valve.

d. Reinstall the thermo valve with a new gasket and torque to 63-71 ft-lbs (86-96 N·m).

e. Adjust the ATF level according to the instructions in MGSS (AUTOMATIC TRANSMISSION FLUID (ATF) ADJUSTMENT [MM8AX-EC]).

f. Install the front under cover No.3 according to the instructions in MGSS (FRONT UNDER COVER REMOVAL/INSTALLATION).

3. Verify the repair.

PARTS INFORMATION

Parts Number	Description	Qty.	Notes
99562-2400	Gasket	1	[R] for thermo valve
RZ11-21-035	Ring, 'O'	1	[R] for overflow plug

[R]: Replacement parts

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WARRANTY INFORMATION**NOTE:**

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's Powertrain Limited Warranty term or CA Emission Warranty (long term).
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	76
Damage Code	99
Part Number Main Cause	99562-2400
Quantity	1
Operation Number / Labor Hours:	XXWPCXAX / 0.8 Hrs.

NOTE: Claim the O-ring and ATF (max. 0.1 qt (0.1 L)) as related parts.

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