

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922

**Subject:**

**SQUEAK NOISE FROM THE EXHAUST MANIFOLD DURING COLD START**

**Bulletin No.: 01-010/22**

**Last Issued : 09/26/2022**

**BULLETIN NOTES****APPLICABLE MODEL(S)/VINS:**

2017-2020 Mazda6 (with 2.5T) with VINS lower than JM1GL\*\*\*\*\*524819 (produced before July 8, 2020)

2019-2020 CX-5 (with 2.5T) with VINS lower than JM3KF\*\*\*\*\*843332 (produced before July 7, 2020)

2016-2020 CX-9 (with 2.5T) with VINS lower than JM3TC\*\*\*\*\*424202 (produced before July 8, 2020)

**DESCRIPTION**

Some customers may experience a squeaking noise may be heard from the exhaust manifold when the idle speed drops from fast idle to normal idle speed during cold start. This is caused by a variable valve being stuck in the closed position. When returning from fast idle to normal, the stuck valve suddenly opens due to thermal change around it which causes abnormal noise. To eliminate this concern, the internal design of the exhaust manifold has been modified.

**REPAIR PROCEDURE**

1. Verify the customer concern.
2. Replace the exhaust manifold with an improved one according to the instructions in MGSS
  - Mazda6 (EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.5T])
  - CX-5 (EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.5T])
  - CX-9 (EXHAUST SYSTEM REMOVAL/INSTALLATION [SKYACTIV-G 2.5T])
3. Verify the repair.

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**PARTS INFORMATION**

Part Number	Description	Qty.	Notes
PY8V-13-450K	MANIFOLD, EXHAUST	1	
PY8V-13-460C	GASKET, EXHAUST MANIFOLD	1	[R]
SH01-13-465	NUT, EXHAUST MANIFOLD	6	[R]
PY8V-13-710B	GASKET, TURBOCHARGER	1	[R]
PY88-13-490	GASKET	1	[R]
PY88-13-465A	NUT, EXHAUST MANIFOLD	5	[R]
PE23-40-305	GASKET	1	[R]
9994-61-000	NUT	2	[R]

[R]: Replacement parts

**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 or CA Emissions Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	82
Damage Code	92
Part Number Main Cause	PY8V-13-450K
Quantity	1
Operation Number / Labor Hours:	XXW57ARX / 3.7 Hrs. (Mazda6) XXW57CRX / 4.1 Hrs. (CX-5 2WD) XXW57DRX / 4.0 Hrs. (CX-5 4WD) XXW57FRX / 4.3 Hrs. (CX-9 2WD) XXW57JRX / 4.3 Hrs. (CX-9 4WD)

**NOTE:** Claim the turbocharger as a related part if a stud seizes and breaks (MASH item).

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