

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922



<b>Subject:</b>  <b>RATTLE NOISE FROM ENGINE COMPARTMENT AND OIL LEAKAGE FROM DRIVE BELT AUTO TENSIONER</b>	<b>Bulletin No.: 01-008/26</b>
	<b>Last Issued : 04/30/2026</b>

## BULLETIN NOTES

This bulletin supersedes the previously issued bulletin(s) listed below. The changes are noted in Red.

Previous TSBs:	Date(s) Issued:
01-008/23	06/05/23
01-019/19	11/26/19

## APPLICABLE MODEL(S)/VINS

- 2016-2020 CX-3 with VINs lower than JM1DK\*\*\*\*\*475309 (produced before Jun. 30, 2020)
- 2020-2021 CX-30 (Mexico built) with VINs lower than 3MVDM\*\*\*\*\*243452 (produced before Jan. 21, 2021)
- 2013-2020 CX-5 with VINs lower than JM3KF\*\*\*\*\*856446 (produced before Jul. 20, 2020)
- 2016-2020 CX-9 with VINs lower than JM3TC\*\*\*\*\*423884 (produced before Jun. 30, 2020)
- 2014-2021 Mazda3 (Japan built) with VINs lower than JM1BP\*\*\*\*\*300852 (produced before Jul. 20, 2020)
- 2014-2021 Mazda3 (Mexico built) with VINs lower than 3MZBP\*\*\*\*\*210528 (produced before Jan. 21, 2021)
- 2014-2020 Mazda6 with VINs lower than JM1GL\*\*\*\*\*526218 (produced before Jul. 20, 2020)
- 2016-2020 MX-5 with VINs lower than JM1NB\*\*\*\*\*416346 (produced before Jul. 20, 2020)

## Mexico spec.:

- 2014-2020 Mazda6 with VINs lower than JM1GL\*\*\*\*\*526218 (produced before Jul. 20, 2020)
- 2013-2020 CX-5 with VINs lower than JM3KF\*\*\*\*\*856446 (produced before Jul. 20, 2020)

## DESCRIPTION

Some vehicles may exhibit rattling noises from the engine compartment and oil leakage from the drive belt auto tensioner. This may be caused by insufficient sealing at the drive belt auto tensioner damper when the auto tensioner fully operates under both high ambient temperature and high load conditions.

To eliminate this concern, the shape of the drive belt auto tensioner damper has been changed.

Customers having this concern should have their vehicle repaired using the following repair procedure.

## REPAIR PROCEDURE

1. Verify the customer concern.

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2. Check the drive belt auto tensioner part number according to the GEPC.

Is the part number PE01-15-980, or PE03-15-980B or earlier?

- If No, this service bulletin is not applicable to the subject vehicle. Proceed to the appropriate Workshop Manual (via MGSS) for instructions.

- If Yes, proceed with drive belt auto tensioner - visual inspection.

**Drive Belt Auto Tensioner - Visual Inspection:**

Drive Belt Auto Tensioner May Be "GOOD" If:	Drive Belt Auto Tensioner May Be "NO GOOD" If:
<ul style="list-style-type: none"> <li>• There is no rattle noise heard from the engine compartment / tensioner area.</li> <li>• Normal dirt accumulation is mistaken as an oil leak.</li> <li>• Normal dirt accumulation is only found on the front side of the tensioner.</li> <li>• The rear side of the tensioner is mostly clean from dirt accumulation.</li> <li>• The tensioner passes the Workshop Manual inspection.</li> </ul>	<ul style="list-style-type: none"> <li>• Rattle noise is heard from the engine compartment due to a lack of tensioner oil.</li> <li>• The tensioner appears wet/oily.</li> <li>• The surrounding tensioner area (alternator, etc.) is not wet/oily.</li> <li>• Oil comes out of the top of the tensioner.</li> <li>• Oil is found all the way around the tensioner (front &amp; rear).</li> <li>• The tensioner fails the Workshop Manual inspection.</li> </ul>

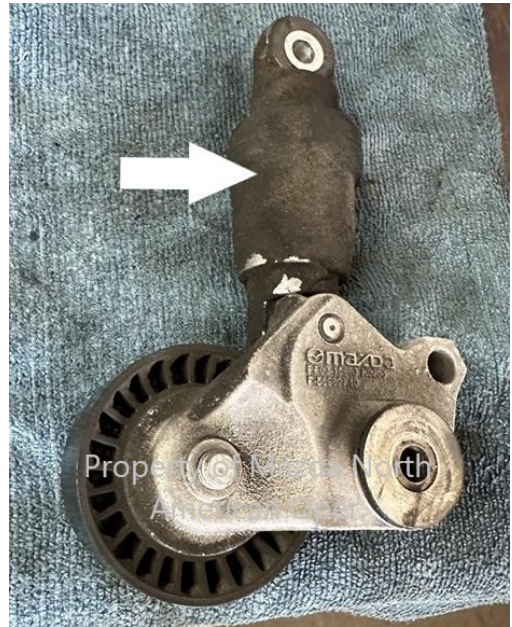
3. Refer to the images below to visually inspect the drive belt auto tensioner condition.

<b>GOOD</b>	<b>GOOD</b>
<b>(TENSIONER - REAR VIEW)</b>	<b>(TENSIONER - FRONT VIEW)</b>

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Dry / Normal Dirt Accumulation



Dry / Normal Dirt Accumulation

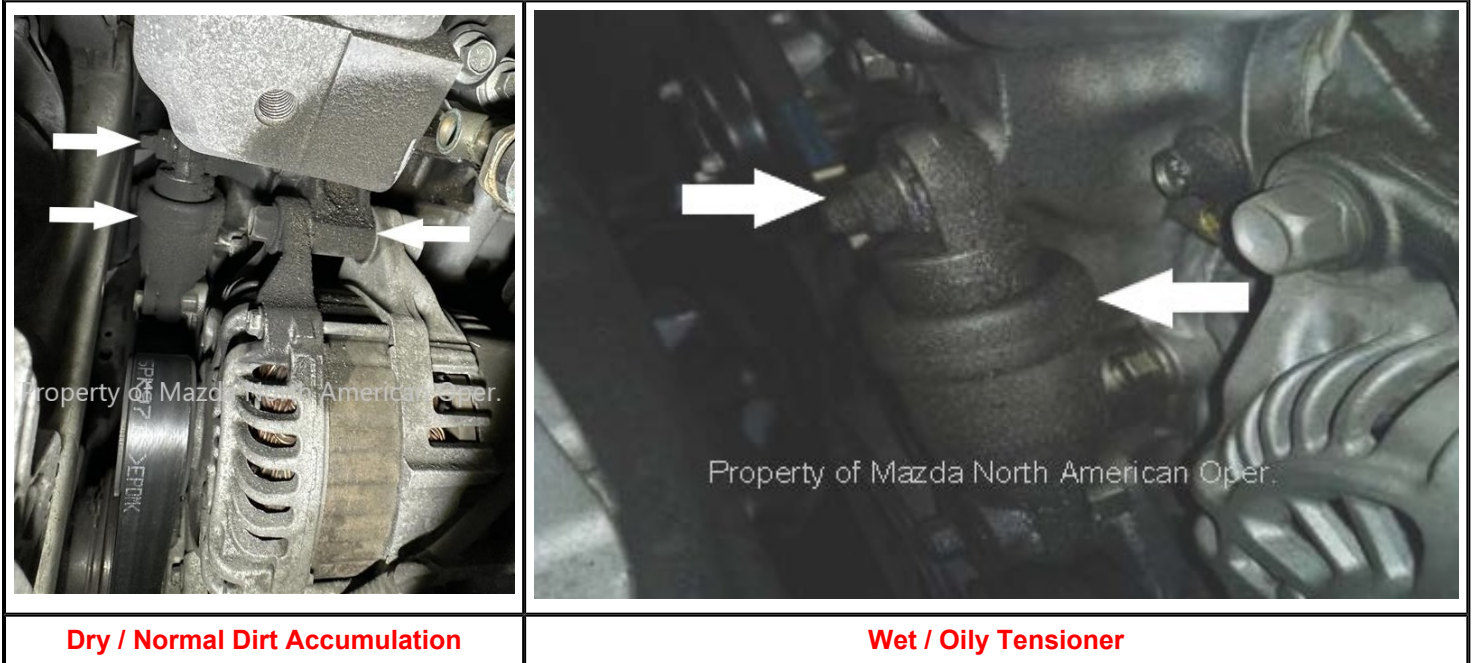
**GOOD**

**(TENSIONER - ON VEHICLE)**

**NO GOOD**

**(TENSIONER - ON VEHICLE)**

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**Dry / Normal Dirt Accumulation****Wet / Oily Tensioner**

4. Complete the Drive Belt Auto Tensioner Inspection according to MGSS online: **DRIVE BELT AUTO TENSIONER INSPECTION.**

- If the tensioner is found to be **"Good"** after completing the Drive Belt Auto Tensioner Inspection, do not replace the tensioner.

- If the tensioner is found to be **"No Good"** after completing the Drive Belt Auto Tensioner Inspection, replace it with a modified part according to the instructions on MGSS online:

- CX-3 (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G 2.0])
- CX-30 (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITH CYLINDER DEACTIVATION)])
- CX-30 (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)])
- CX-30 (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G 2.5T])
- CX-5 (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G 2.5T])
- CX-5 (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITH CYLINDER DEACTIVATION)])
- CX-5 (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)])
- CX-9 (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G 2.5T])
- MX-5 (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G 2.0])
- Mazda3 (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G (WITH CYLINDER DEACTIVATION (US))])
- Mazda3 (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G (WITHOUT CYLINDER DEACTIVATION (US))])
- Mazda6: (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G 2.5T])
- Mazda6: (DRIVE BELT AUTO TENSIONER INSPECTION [SKYACTIV-G 2.5 (WITHOUT CYLINDER DEACTIVATION)])

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- Mazda6: (DRIVE BELT AUTO TENSIONER REMOVAL/INSTALLATION [SKYACTIV-G 2.5 (WITH CYLINDER DEACTIVATION)])

5. Take photo(s) of replaced tensioner for any tensioner TSB, Warranty or goodwill claim purposes.

**NOTE:** Photo(s) are required to be attached to the claim, otherwise, the Warranty or goodwill claim will be denied. Ensure the RO is in frame of the photo taken.

6. Verify the repair.

#### PARTS INFORMATION

Parts Number	Description	Qty.
PE03-15-980C	Tensioner-Auto	1

**NOTE:** All part numbers have been superseded to PE03-15-980C.

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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 New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	82
Damage Code	9K
Part Number Main Cause	PE03-15-980C
Quantity	1
Operation Number / Labor Hr.:	<b>XXR86ARX / 0.3 Hr.</b>  2016- <del>2020</del> CX-3 2017- <del>2020</del> CX-5 2.0L / 2.5L 2016- <del>2020</del> MX-5
	<b>XXR86BRX / 0.4 Hr.</b>  2013-2016 CX-5 2.0L / 2.5L 2014- <del>2021</del> Mazda3 2.0L / 2.5L 2014- <del>2020</del> Mazda6 2.0L / 2.5L
	<b>XXR86CRX / 0.5 Hr.</b>  2017- <del>2020</del> CX-5 2.5T 2016- <del>2020</del> CX-9 2.5T 2018- <del>2020</del> Mazda6 2.5T 2020-2021 CX-30 2.5L
	<b>XXR86GRX / 1.0 Hr.</b>  2020-2021 CX-30 2.5T

**NOTE:** Includes drive belt auto tensioner, R&R.

**NOTE:**

- Photo(s) of the replaced tensioner will be required, otherwise, the Warranty or goodwill claim will be denied.
- **DO NOT** use the photos from this service bulletin, otherwise, the Warranty claim will be denied. A picture of the RO in frame of the photo is required.

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