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Coding Information

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Title: Streamlined Design: Intake Resonator Eliminated on A26B Engines

Applies To: All A26B engines ESN 4600000 - 4699999, excluding those installed in the HX platform.

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

03/04/2026 - Update to service procedures for EGR duct and resonator cleaning.
02/05/2026 - Addition of "servicing procedures for EGR duct resonator and EGR duct tube" section
09/23/2025 - Addition of note related to the HX platform.
09/18/2025 - Initial Article Release

DESCRIPTION

This document will guide the user through the parts and information related to A26B resonator removal and EGR cross-over tube installation.

NOTE: This article does NOT apply to the HX platform. The resonator should not be removed on the HX platform.

SYMPTOM(s)

Customer Observations or Concerns:

- Unable to order a replacement resonator
- The new engine did not come with a resonator

SPECIAL TOOL(s) / SOFTWARE

[Tools Resource Center](#)

SERVICE PARTS INFORMATION

Part Number	Quantity Required	Notes
7096945C1	1	Support EGR Duct

7099844C1	1	EGR cross-over duct.
1817958C1	4	Bolt M8 X 30

Service Procedures for EGR Duct Resonator and EGR Duct Tube

Applicability

- These servicing procedures apply to all vehicle models equipped with the A26B, except for the HX series. For HX vehicles, the EGR duct resonator is required.

Ordering Replacement Parts

- If the EGR duct resonator or EGR duct tube is found to be heavily contaminated with soot, the EGR duct tube may be ordered as a replacement. Dealers should verify the availability of the required part at the Parts Distribution Center (PDC) before proceeding with further steps.

Cleaning Procedures When Parts Are Unavailable

- If the necessary EGR duct tube or resonator is not available at the PDC, dealers have the option to attempt cleaning the resonator or crossover tube. To safely clean P-403L coated surfaces, use a mild liquid detergent and warm water (approximately 100°F/37°C) with low-pressure rinsing.
- Avoid using the following cleaning agents on P-403L coated surfaces:
 - High-pressure washing/jetting.
 - Caustic or Alkaline Cleaners (High pH). Cleaners with pH greater than 8.5 should be avoided.
 - Strong Acidic Cleaners (Low pH). Cleaners with pH less than 5.5 should be avoided.
 - Abrasive Cleaners or Tools, such as abrasive pads, stiff brushes, or scouring materials.
 - Mechanical Cleaning Tools, such as scrapers, hammers, or wire brushes to dislodge residue.

Handling Severely Contaminated Parts

- In cases where the part is extremely contaminated and cannot be properly cleaned for reuse, and if the replacement part is on backorder, the dealer must wait for the part to become available. As a last resort, dealers may also consider utilizing any other available resources they have access to for resolving the issue.

Notes on Other EGR System Components

- It is important to note that other components within the EGR system - such as EGR reed valves and EGR cooler assemblies - are unlikely to be successfully cleaned and reused. Dealers should be aware that attempts to restore these components generally have a very low probability of success and may not be recommended.

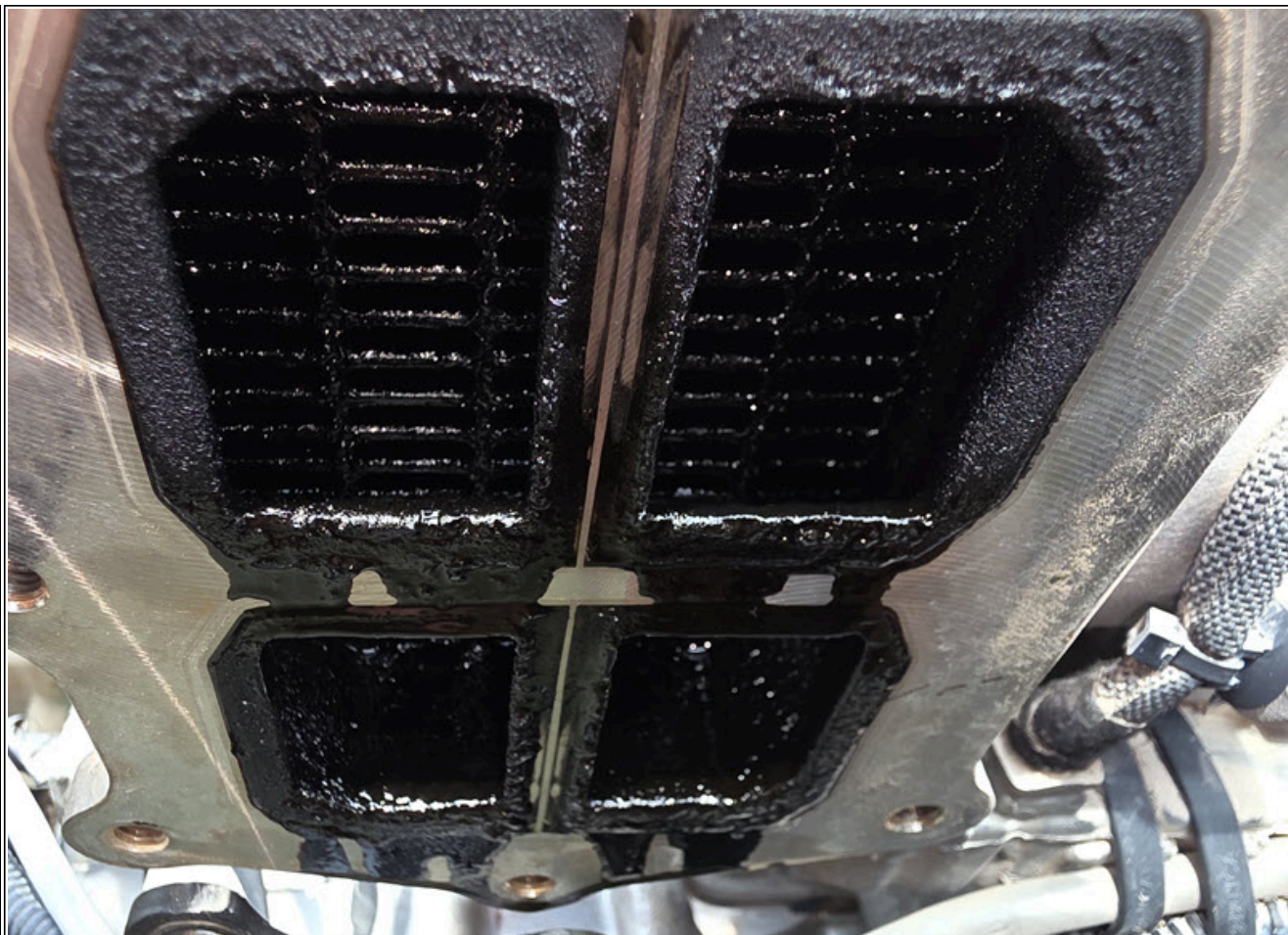
DIAGNOSTIC STEP(s)

Step	Action	Decision
#1	Determine the proper step to review: Is an engine replacement being performed?	Yes. Proceed to step 2.
		No. Proceed to step 3.

Step	Action	Decision
#2	Inspect the new engine for a resonator or EGR cross-over tube. See Figure #2 for EGR cross-over tube example: Is the engine equipped with a resonator or EGR cross-over tube?	Yes. Proceed with repairs/replacement as needed.
		No. Proceed to step 3.

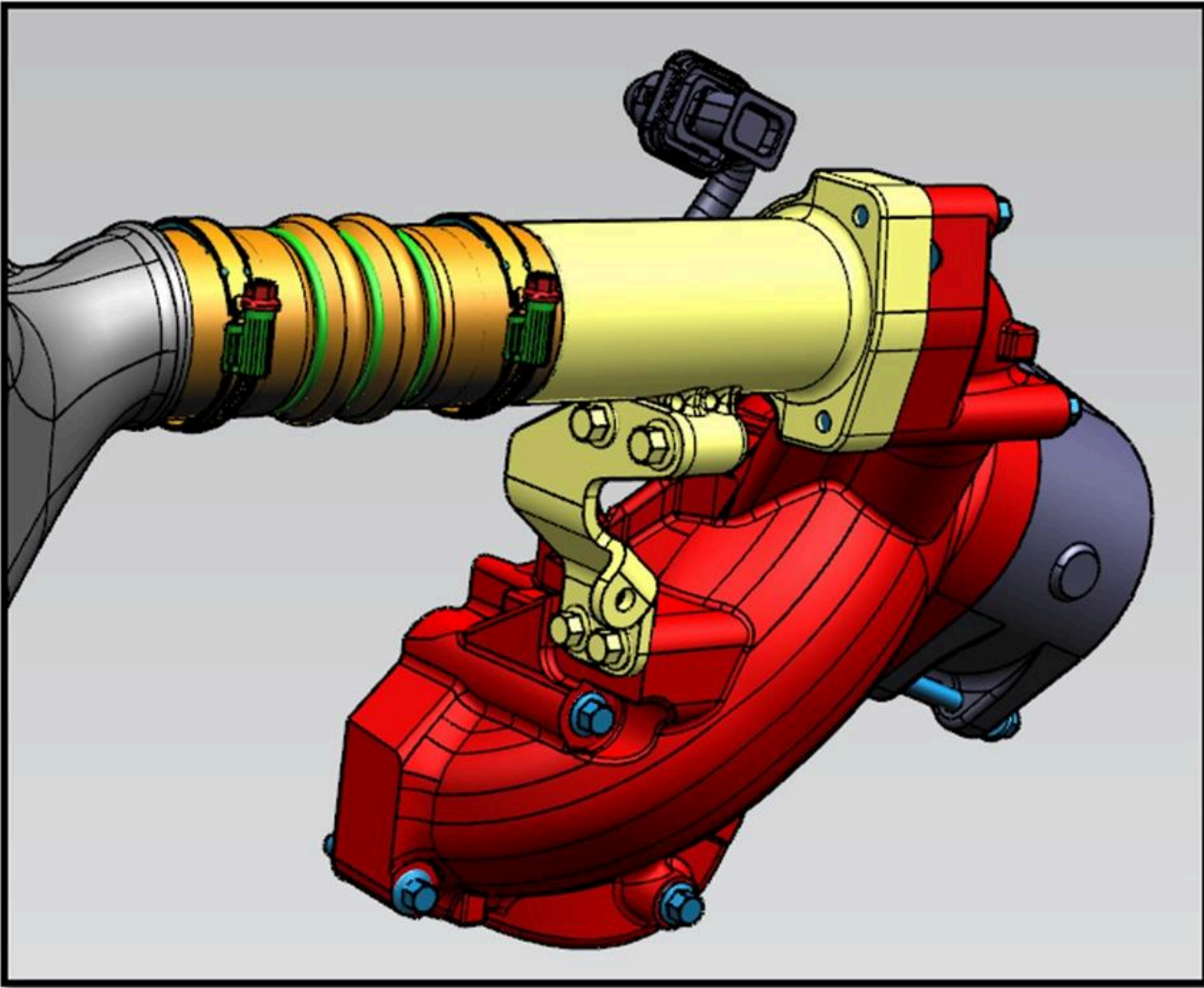
Step	Action	Decision
#3	Confirm if the old resonator is fit for re-use. Inspect the resonator internals closely to check for black sticky substances. This is typically a fuel and soot mixture. See Figure #1 for an example: Is the resonator free from a black sticky substance?	Yes. Re-use the resonator and continue with repairs/replacements as needed.
		No. Replace the resonator with the EGR cross-over tube. See the "Service Parts Information" section for parts information. See Figure #2 for an installed view of the part.

Figure #1



Example of soot/fuel mixture in the EGR system. Note, this example shows the EGR cooler.

Figure #2



Example of an assembled EGR cross-over tube.

Diagnostic considerations section:

The removal of the resonator should not cause any performance issues or complaints. Changes made to the engine programming since the release of the engine allow for the removal of this component. International is now building engines with this cross-over tube already installed. So, a new engine may arrive with this and can be installed as-is.

It is imperative to check for the black sticky substance in the EGR system and determine the cause of this issue. This substance is typically a mixture of fuel and soot, and can make its way between the valve and valve guides in the cylinder head, causing the valves to stick in the guides. This can cause misfires, valve bridges to fall off, and sticking valves.

This mixture is typically caused by an excess amount of fuel, which can be caused by:

- Excessive idle times.
- Failed/failing fuel system component.
- Over-fueling fuel injector.
- Frequent regenerations.

REPAIR STEP(s)

Reference the A26B engine service/diagnostic manual for resonator removal steps. Kit installation steps are not available at this time.

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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