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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:

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
1875808C1	1	Exhaust gasket at the intake mixing duct.

7099844C1	1	EGR cross-over duct.
3018689C3	1	EGR outlet hose.
1893703C1	2	Worm drive clamp.
7096945C1	1	EGR duct support.
1817958C1	13	M8 X 30 hex flange bolt.

## **DIAGNOSTIC STEP(S)**

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

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

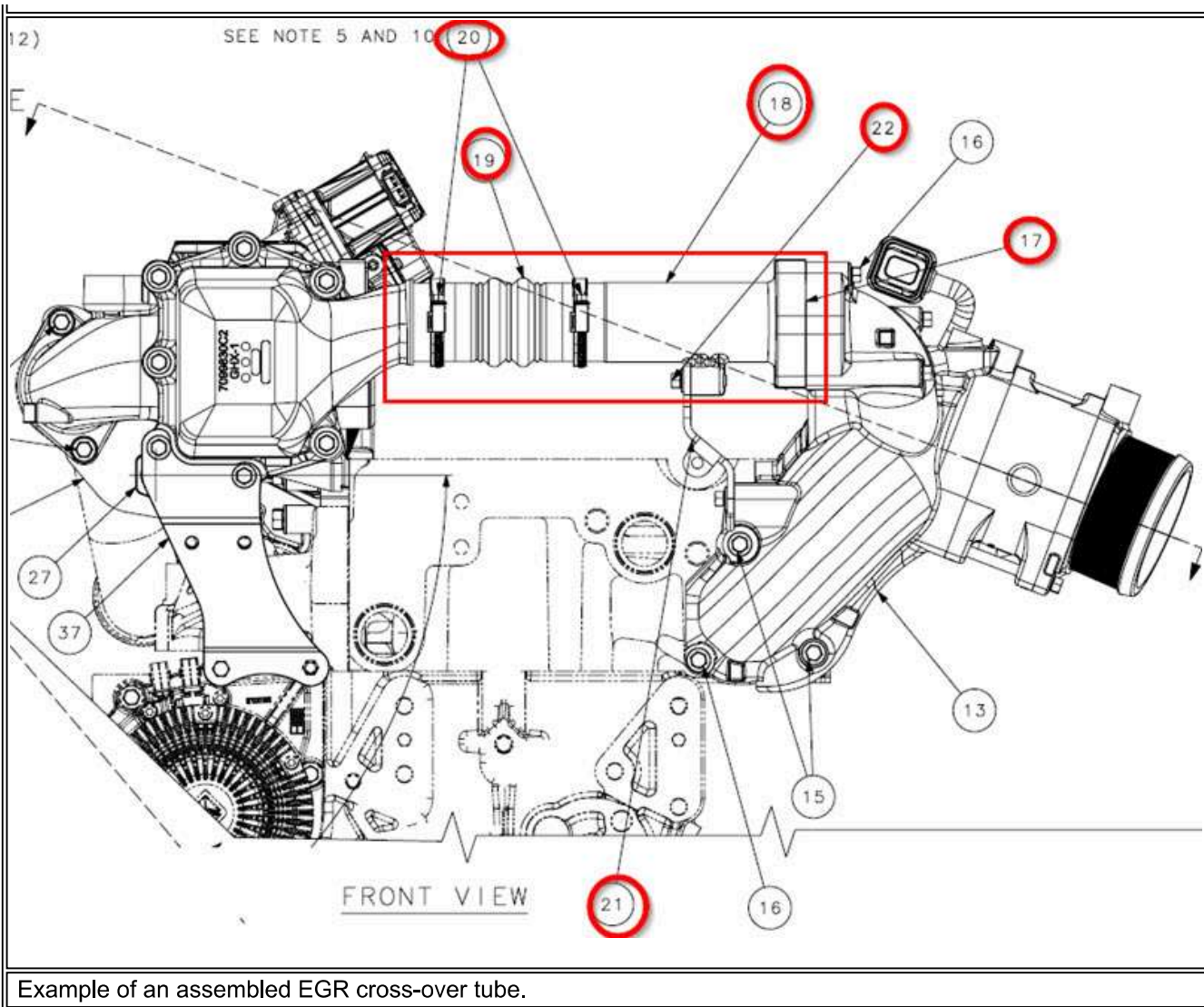
Step	Action	Decision
#3	<p>Confirm if the old resonator is fit for re-use. Inspect the resonator internals closely to check for black sticky substances. This is typically a fuel and soot mixture. See <a href="#">Figure #1</a> for an example:</p> <p>Is the resonator free from a black sticky substance?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

Figure #1



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

Figure #2



### **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.

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## **Standard Repair Time(s):**

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

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# **OTHER RESOURCES**

[Master Service Information Site](#)

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