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Major System: Exhaust / Aftertreatment Created: 5/20/2021
Current Language: English Last Modified: 7/29/2025
Other Languages: NONE Author: Jack Fossler
Viewed: 1701

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Coding Information

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Title: HX Rattle and Squeak Service Instructions

Applies To: HX Series Trucks exhibiting complaints of a rattle or squeak from the vertical exhaust slider due to wear or too much pre load

DESCRIPTION

This document will guide the user through service instructions for HX Series Trucks that have a complaint of a rattle and squeak from too much preload on the vertical exhaust slider or wear on the slider.

SYMPTOM(s)

A complaint of a rattle or squeak from the vertical exhaust slider

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

DTC/Light	Description
N/A	N/A

Customer Observations or Concerns:

Rattle or Squeak from the exhaust

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
N/A			

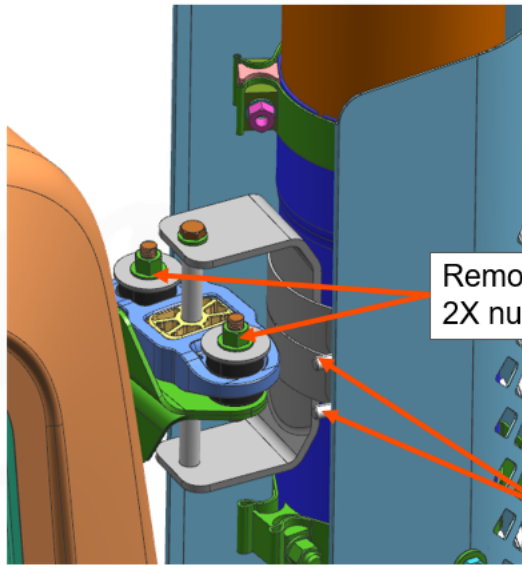
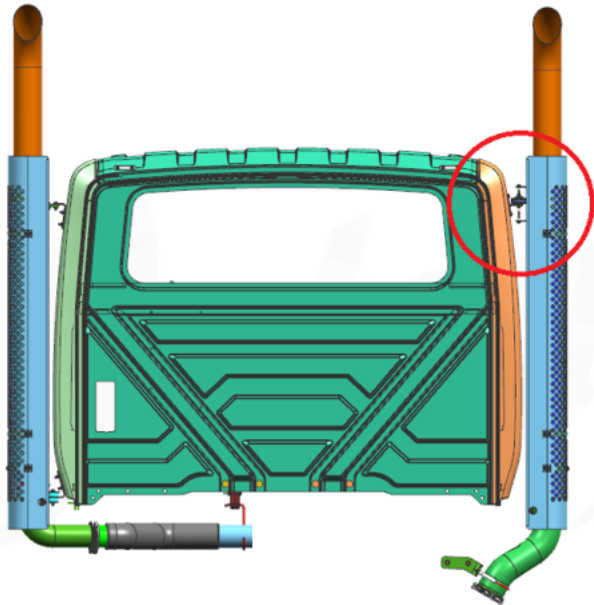
SERVICE PARTS INFORMATION

Kit Description	Part Number	Quantity Required	Notes
SUPPORT , PIVOT	4146378C4	1	

REPAIR STEP(s)

The key to this repair is to keep as much preload off of the slider and replace worn sliders with new parts.

REMOVE SLIDER FASTENERS



Remove isolator
2X nuts & 2X washers

Reuse- 38-40
on re-install

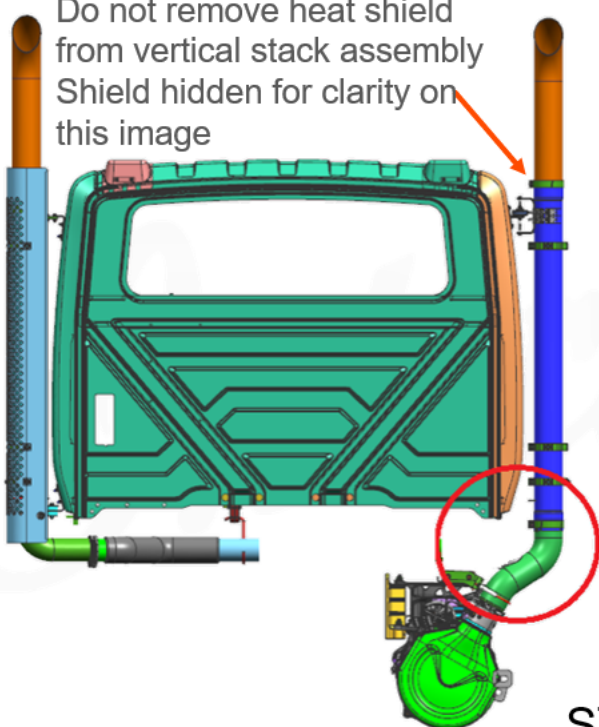
Do not loosen
of clamps the
C-Bracket to

STEP 1

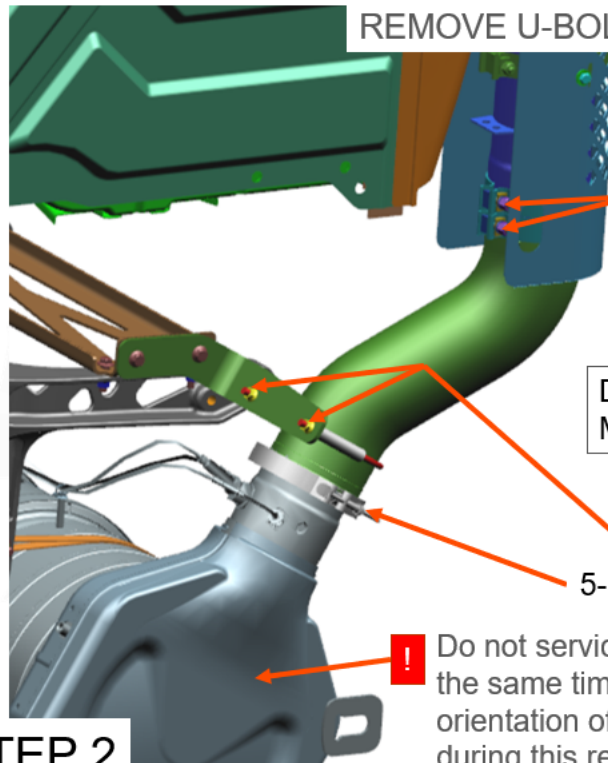


Important:

Do not remove heat shield
from vertical stack assembly
Shield hidden for clarity on
this image



REMOVE U-BOLT & ATD MAF



Do not loosen
of clamps at
stack to S-p

Disassemble U-
Marmon Clamp

Reuse hardware
30-38 Nm on
5-10 Nm on ATD

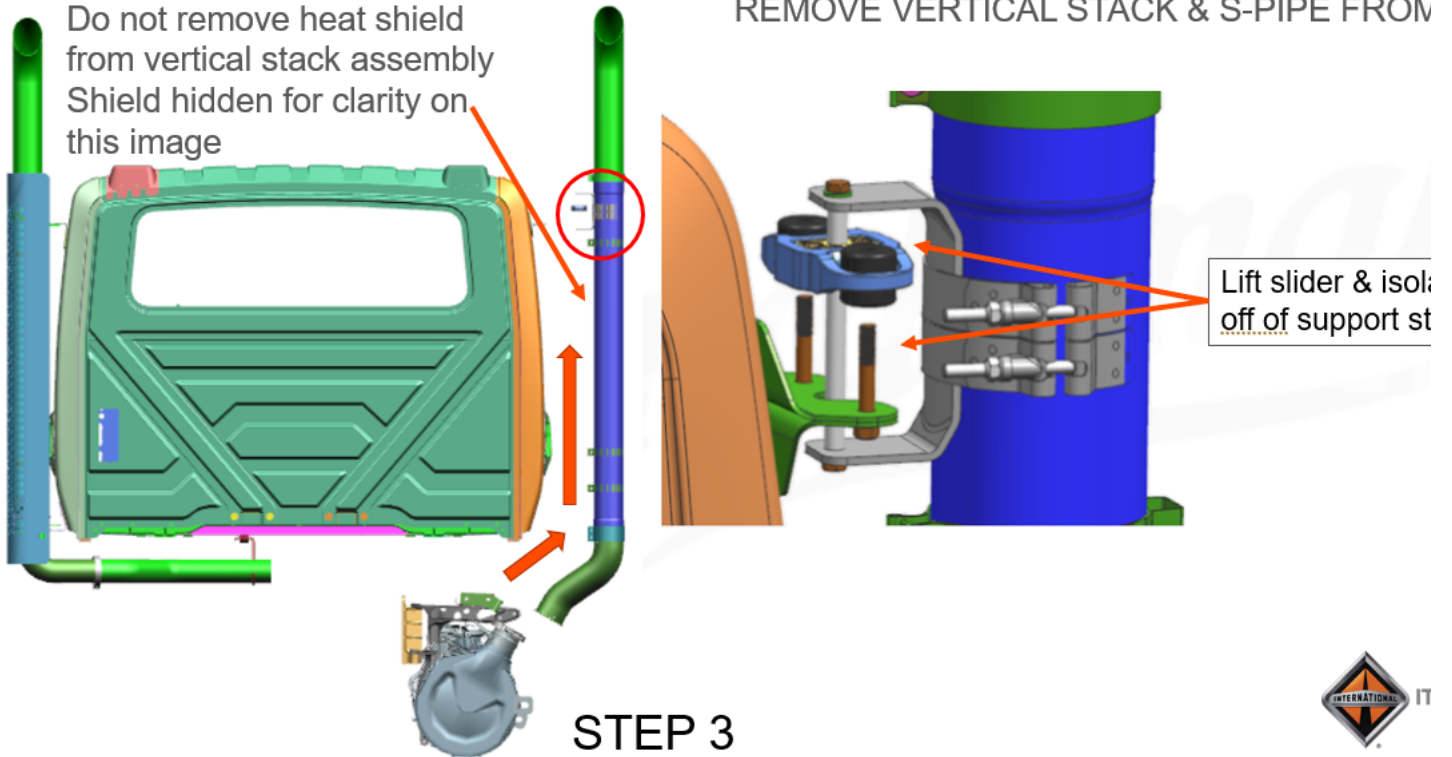
Do not service ATD and verify
the same time. Factory location
orientation of ATD must be maintained
during this rework. (ATD service)

STEP 2

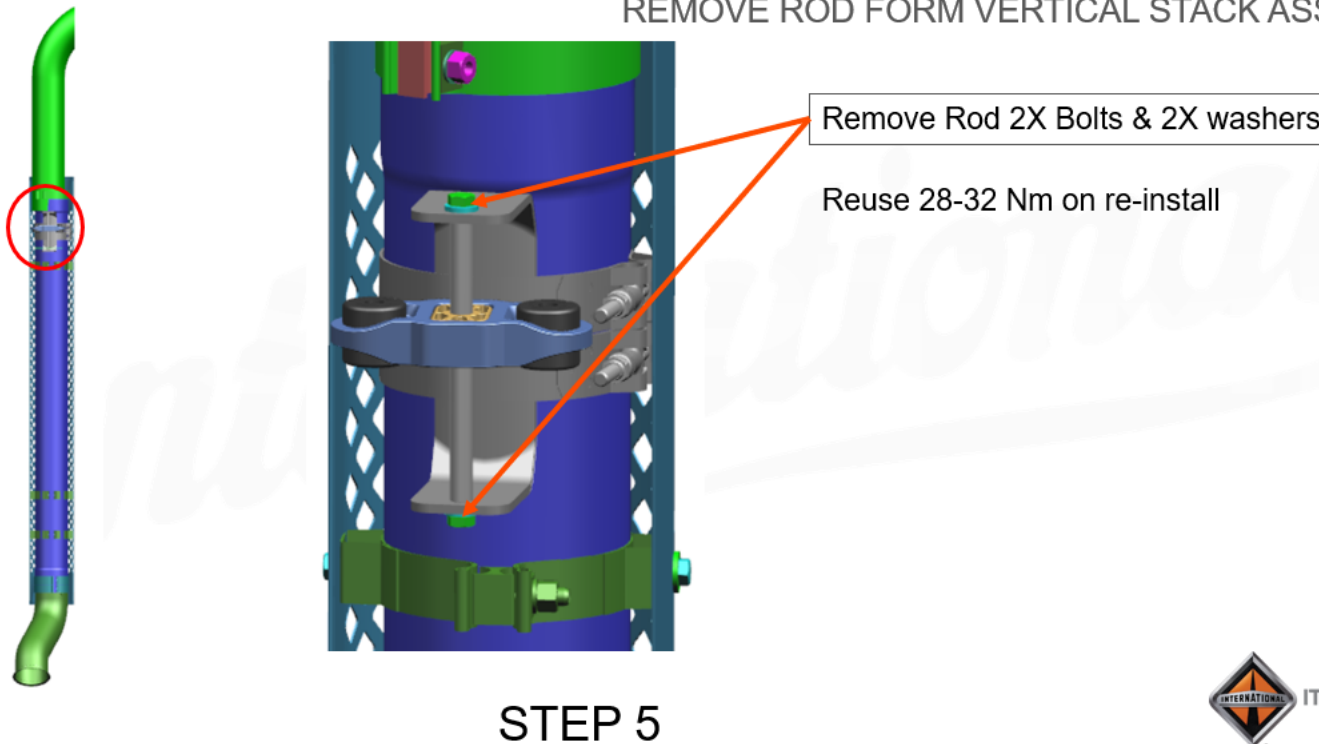
Important:

Do not remove heat shield from vertical stack assembly
Shield hidden for clarity on this image

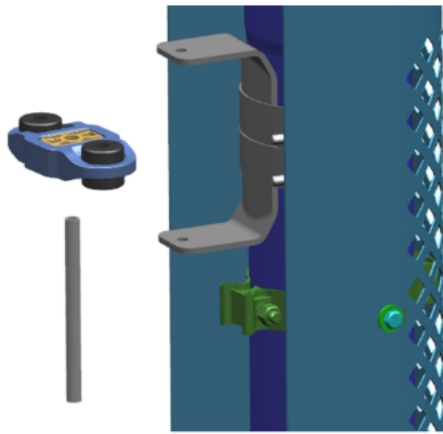
REMOVE VERTICAL STACK & S-PIPE FROM



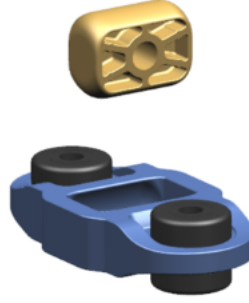
REMOVE ROD FROM VERTICAL STACK AS



REMOVE PIVOT AND REPLACE WITH NEW ONE



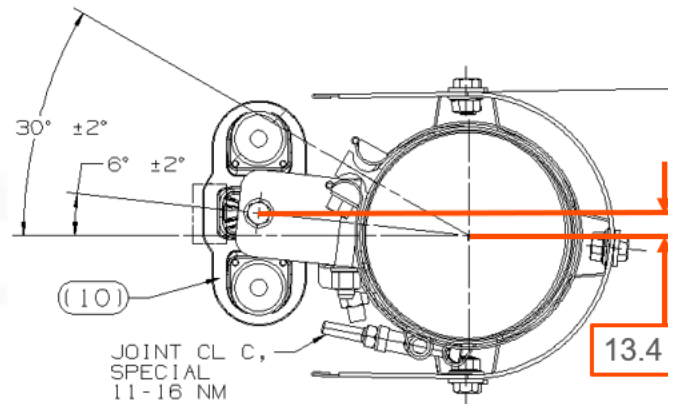
Slide Rod out of the slider
Rotate pivot 90 deg and slide out of mount
Replace with a new pivot PN
[4146378C4](#)



STEP 6



- Reverse the steps to reinstall components on truck
- Use torque as specified for each fastener
- Follow orientation specs in case of accidental loosening of:
 - C-Bracket to vertical stack
 - Vertical stack to S-pipe
 - Heat shield



STEP 7

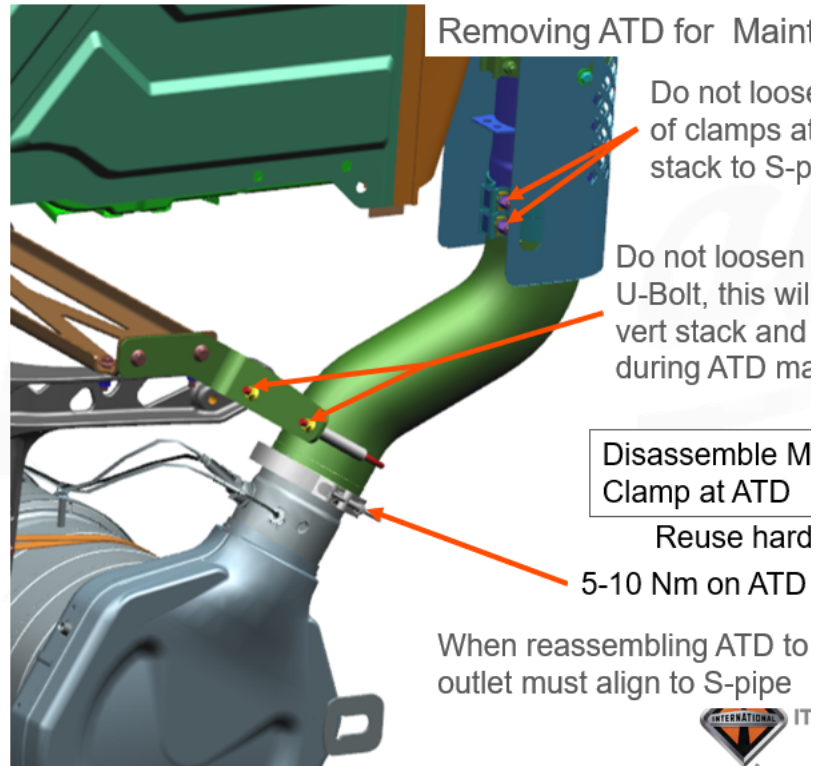
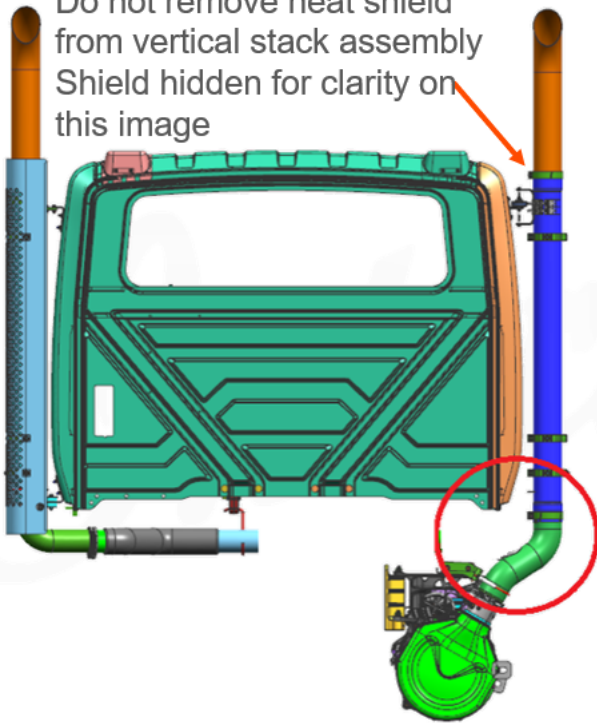


Maintenance

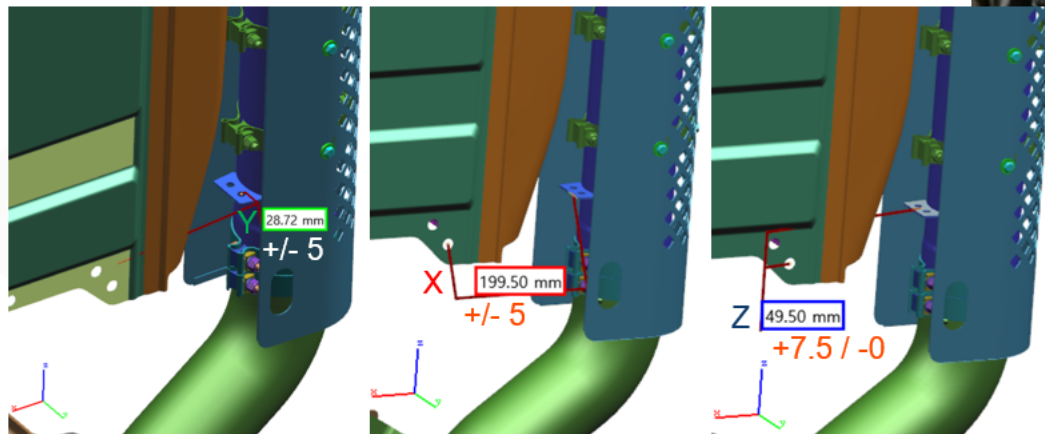
For any maintenance, please follow the steps below:

Important:

Do not remove heat shield from vertical stack assembly
Shield hidden for clarity on this image



In case ATD and vertical stack need to be serviced at the same time, reassemble and adjust. In order to replicate factory assembly of vertical stack in relationship to cab (achieved using fixture shown) confirm these are the final dimensions:



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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Feedback Information

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