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Coding Information

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Title: HX X15 Idler Pulley Bracket Torque Procedure

Applies To: HX with X15

CHANGE LOG

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

03/13/2020 - Initial Article Release

DESCRIPTION

This document will guide the user through the installation of the fan belt idler pulley bracket on X15 engines in HX trucks

SYMPTOM(s)

In some cases, the fan idler pulley bracket bolts can lose torque and result in a breaking or loss of the bolts. This can result in belt nose or loss of the belt.

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

DTC/Light	Description
No DTCs associated with this failure mode	

Customer Observations or Concerns:

Belt noise, loss of belt, engine overtemp.

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
None			

SERVICE PARTS INFORMATION

Kit Description	Part Number	Quantity Required	Notes
Bolt M8 x80 PHC Class 10.9	30014R1	3	
Washer Lock 3/8 SST	27500R1	3	
Blue Thread Locker	24200	1	Obtain locally

DIAGNOSTIC STEP(s)

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A close-up photograph of a mechanical assembly, likely a pump or motor. A black shaft with a date stamp "10-30-06-07" is visible. Three blue arrows point to specific components: one points to a spring mechanism on the left, another points to a pulley or bearing assembly in the center, and the third points to a component on the right. The assembly is painted red and includes various metal parts and hoses.[illegible]

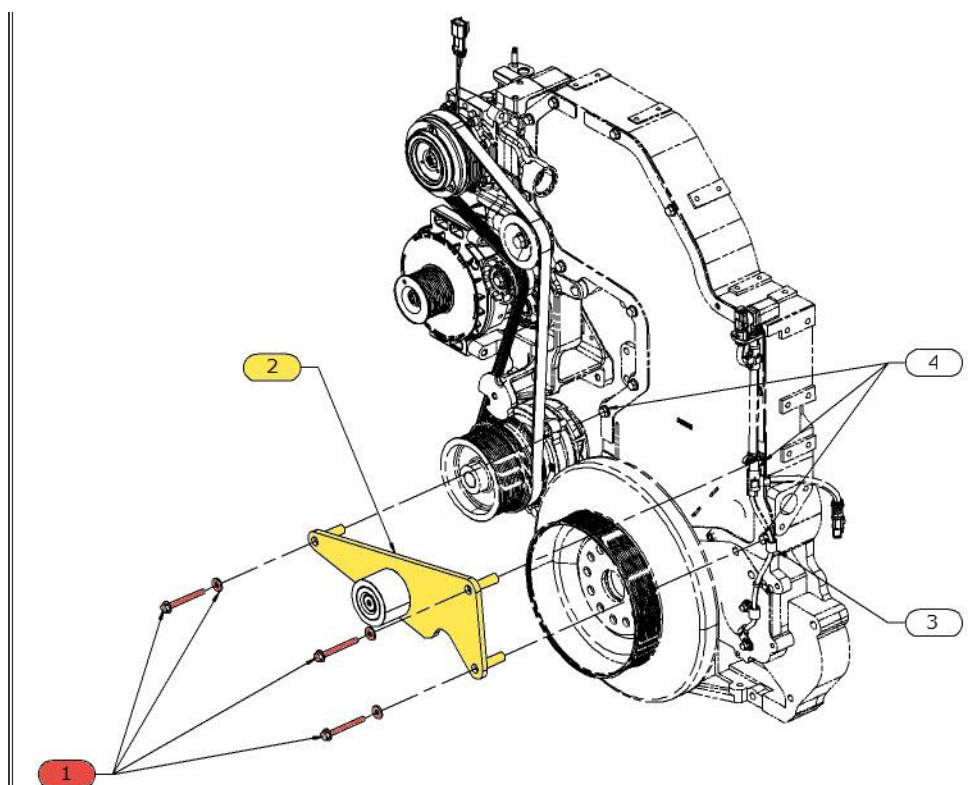


Figure 2: Bracket Installation

Item 1: Bolts and Washers

Item 2: Idler Pulley Bracket

Item 3: Wiring Harness P-Clip to be installed under the bracket legs

Item 4: Bolt Locations on the Front Cover

Step 1: Remove the fan belt

Step 2: Remove the three bolts and washers for the fan idler pulley bracket.

Step 3: Discard washers.

Step 4: If lock washers were not previously installed, discard the bolts.

CAUTION:

Trucks built prior to 2/28/2020 used a bolts (40277R1) with a flat washer. This bolt is not compatible with a lock washer and must be discarded.

INSTALLATION PROCEDURE:

Step 1: Install the bracket with 3 bolts (PN 30014R1) and lock washer (PN 27500R1) with blue thread lock.

Step 2: Ensure the P-Clip is installed under the brackets stand off leg and the bolt is through the eyelet.

Step 3: Torque the bolts to 19-21ft-lbs (25.9-28.8 N-m)

Step 4: Reinstall the belt.

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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