



S-Series™
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Technical Service Information Bulletin

2.0 Engine Belt Routing

Date: July 14, 2021

Bulletin Name: FDM-TSIB-030

Model: Oshkosh S-Series

Units Affected: 2.0 Front Discharge Mixers

Purpose:

This bulletin provides information on belt routing of the three belts on the Cummins X12 engine.

Notice:

- This bulletin should be read and understood in its entirety before performing this procedure.
- All procedures outlined in the bulletin must be performed by skilled service personnel. Refer to the product service manual for descriptions of maintenance procedures.

SAFETY NOTICE

Perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.

SAFETY NOTICE

Use appropriate Personal Protective Equipment (PPE) as required by your company.

Procedure:

Lockout/Tagout

1. Place unit on a flat surface, block truck tires, and perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.
2. The vehicle's BATTERY DISCONNECT switch is located on the left-hand side of the battery box. Use the battery disconnect switch when performing any maintenance so the vehicle cannot accidentally be started.
 - a. Turn the battery disconnect switch (Figure A, Item 1) counterclockwise so the hole on the switch aligns with the hole in the bracket (Figure A, Item 2).
 - b. Install the safety lockout device ring (Figure B, Item 1) through the holes on the battery disconnect switch and the bracket.
 - c. Install a padlock (Figure B, Item 2) onto the safety lockout device ring, lock it, and put the key in your pocket. If more than one person is working on the vehicle, each person must install his or her own padlock.

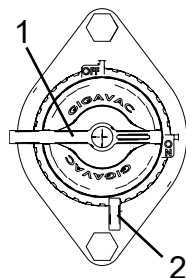


Figure A

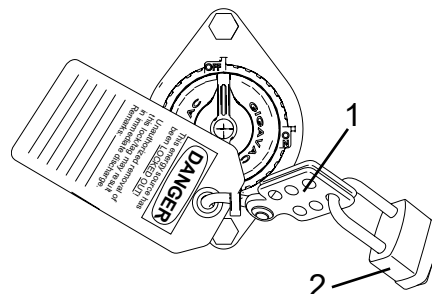


Figure B

Alternator Belt Routing

Route alternator belt around alternator pulley, under belt tensioner and around crank pulley rear belt groove. See Figure 1.

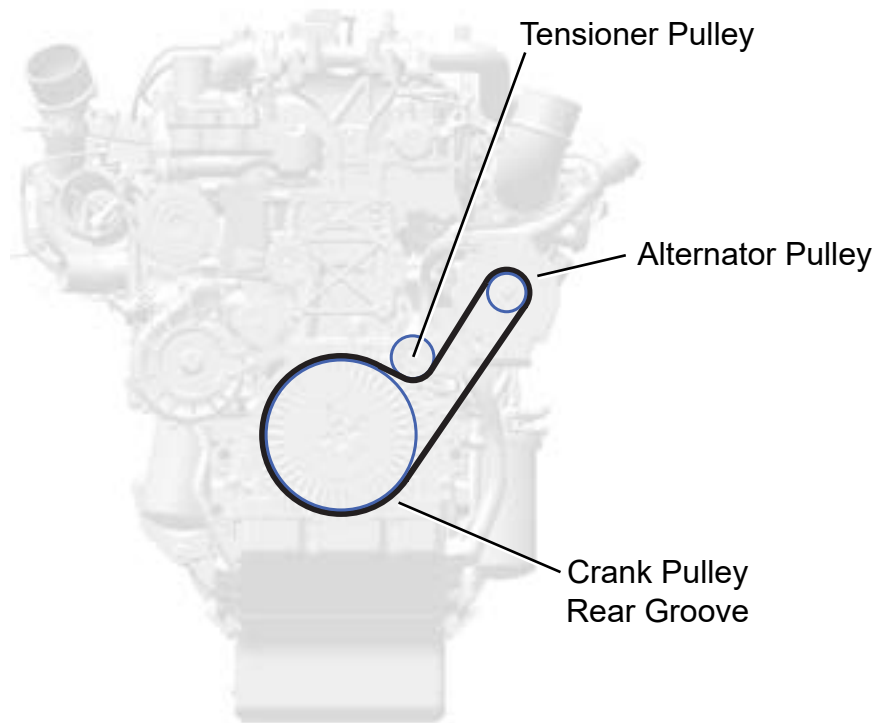


Figure 1

Water Pump Belt Routing

Route water pump belt around water pump pulley rear groove, over idler pulley, around crank pulley front groove and over tensioner pulley. See Figure 2.

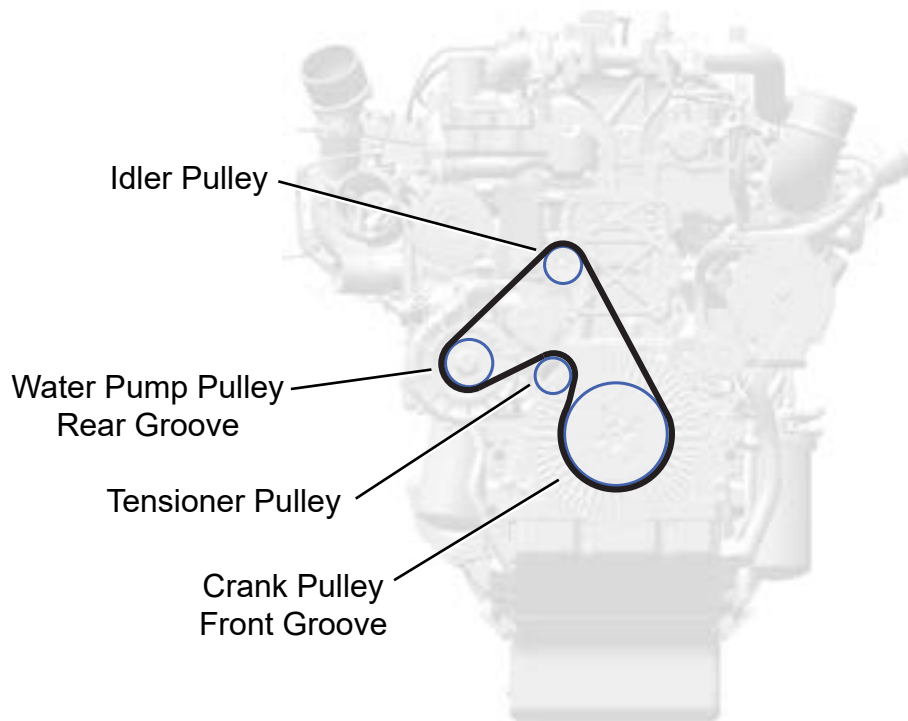


Figure 2

Air Conditioning Compressor Belt Routing

Route air conditioning compressor belt over compressor pulley and around water pump pulley front groove. See Figure 3.

1. Install belt on compressor pulley and partially on water pump pulley front groove. Zip tie belt to water pump pulley, see Figure 3.
2. Rotate water pump pulley using a breaker bar until belt is fully seated in water pump pulley front groove.
3. Cut zip tie from water pump pulley.

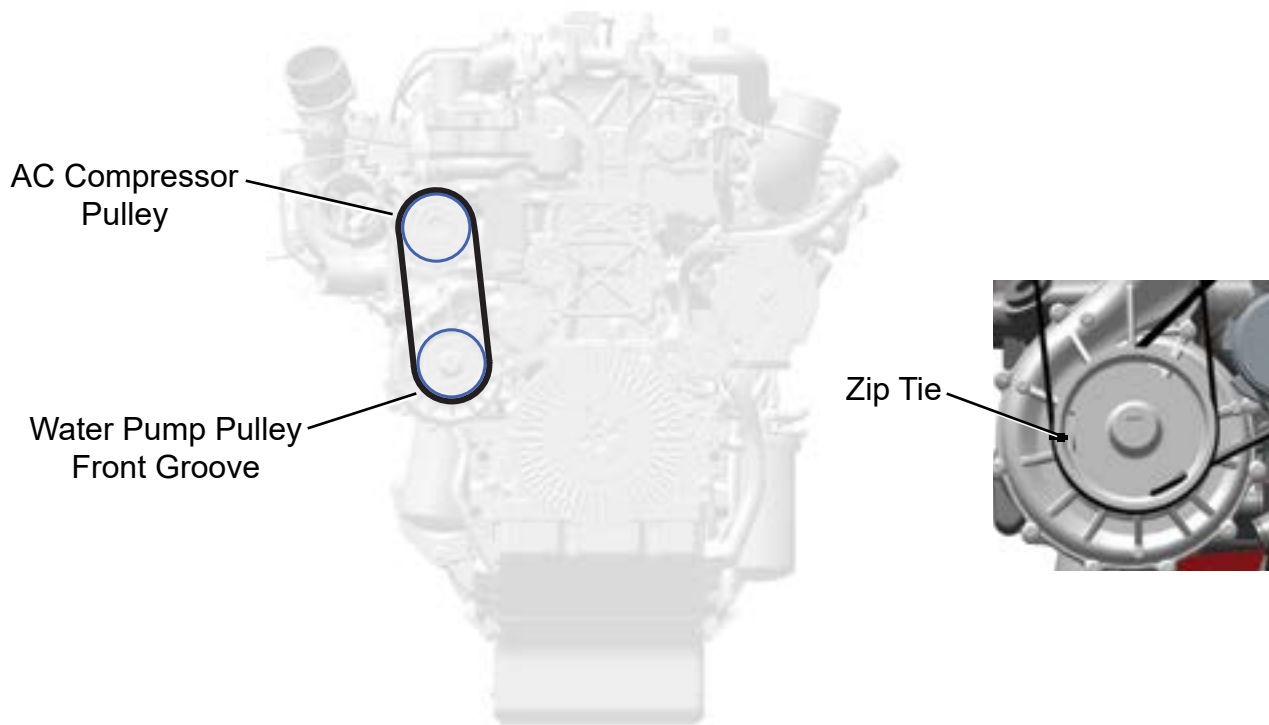


Figure 3

4. Remove lockout/tagout.

Continuous Improvement:

The change included in this document is part of the McNeilus Continuous Improvement Process.

McNeilus's quality policy is providing customer satisfaction through innovative products, dedicated service, and a constant focus on continuous improvement.



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