



Countries: CANADA, UNITED STATES **Document ID:** IK0800538
Availability: ISIS, Fleet!SIS, IsSIR **Revision:** 1
Major System: ELECTRICAL SYSTEM **Created:** 3/10/2017
Current Language: English **Last Modified:** 5/29/2018
Other Languages: NONE **Author:** Charles Schroeder
Viewed: 1558

[Less Info](#)[Hide Details](#)

Coding Information

Copy Link	Copy Relative Link	Bookmark	Add to Favorites	Print	Provide Feedback	Helpful	Not Helpful
		View My Bookmarks				7	2

Title: ProStar SCR Aftertreatment Harness Replacement**Applies To: ProStar with SCR (ISX and N13)**

Change Log

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

05/29/2018 - Added parts information for a vented PDM cover.
03/10/2017 - Initial article release.

Description

The PDM in the Aftertreatment has been updated. When a harness with an old style PDM is replaced with a harness containing the updated PDM the harness installation changes. This article will outline the details of the installation.

Symptoms

Diagnostic Trouble Codes & Dashboard Indicator Lights:

DTC/Light	Description
No Faults or Warning Lights	

Customer Observations or Concerns:

Special Tools / Software

Tool Description	Tool Number	Comments	Instructions
Not Applicable			

Service Parts Information

--	--	--	--

Kit Description	Part Number	Quantity Required	Notes
HARNESS,JUMPER , ISX DEF TANK	3991596C97	1	This is one example part number, harness part numbers will vary by engine and DEF tank size
COVER W/ VENT HOLE	2519458C1	1	The harnesses have been updated to use a vented lid to prevent corrosion within the PDM. If the harness does not have a vented lid, one needs to be installed



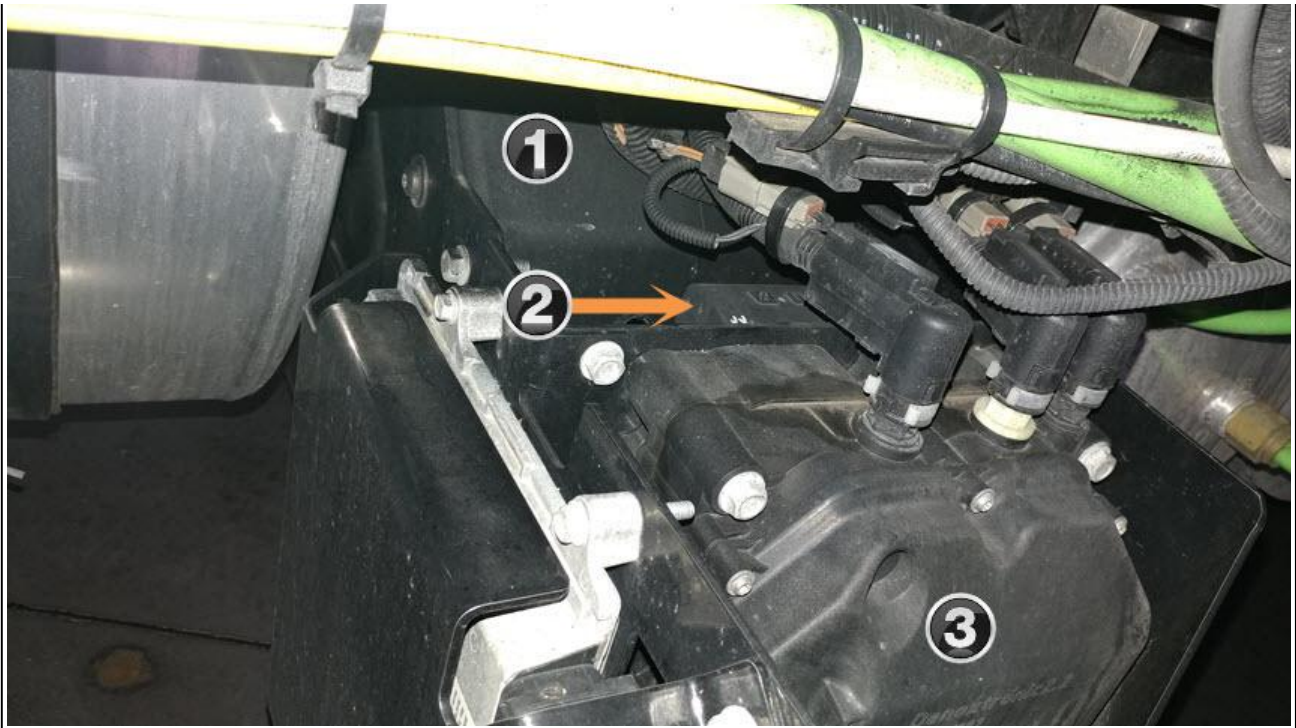
Diagnostic Steps

No diagnostics are required. This article only covers the replacement of the harness and the installation with the new PDM on the new harness.

Repair Step(s)

The old style PDM mounts to the bottom of the mounting bracket. The PDM cover locking system on the updated PDM requires the updated PDM is mounted to the top of the mounting bracket. This requires the mounting nut orientation to change. See removal and installation steps below.

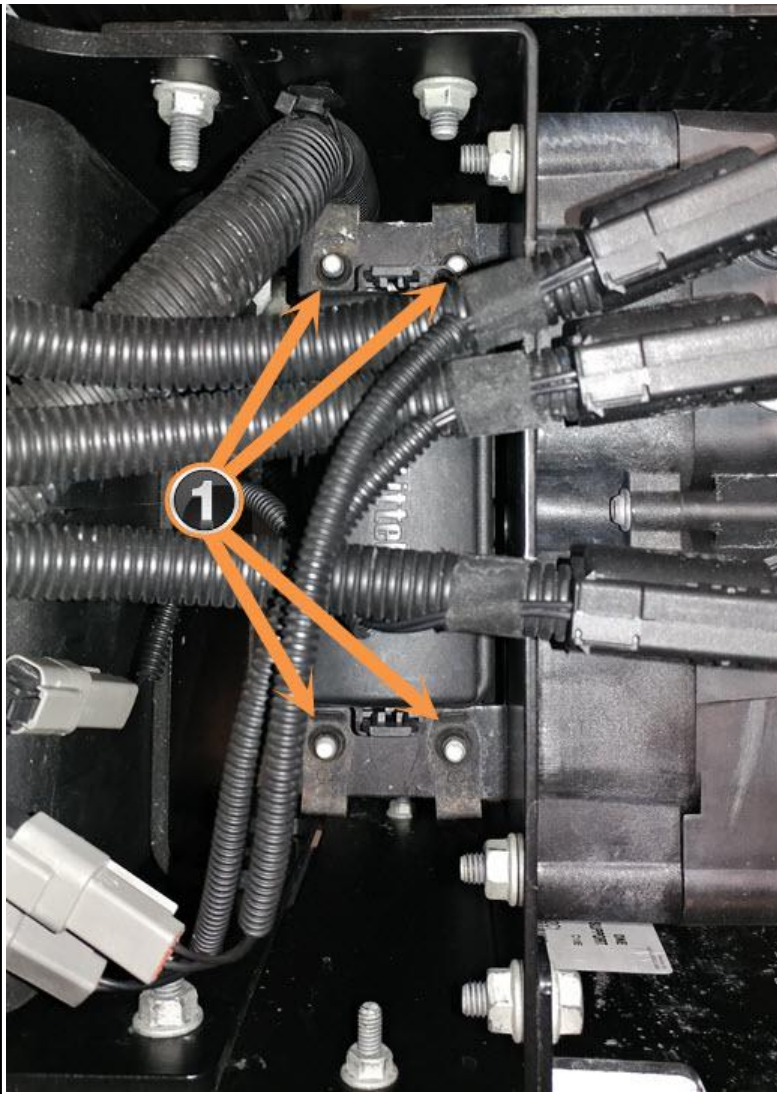
Figure 1 - PDM Location on Vehicle



1. DEF Tank
2. PDM Location
3. DEF Supply Pump

REMOVAL PROCEDURE:

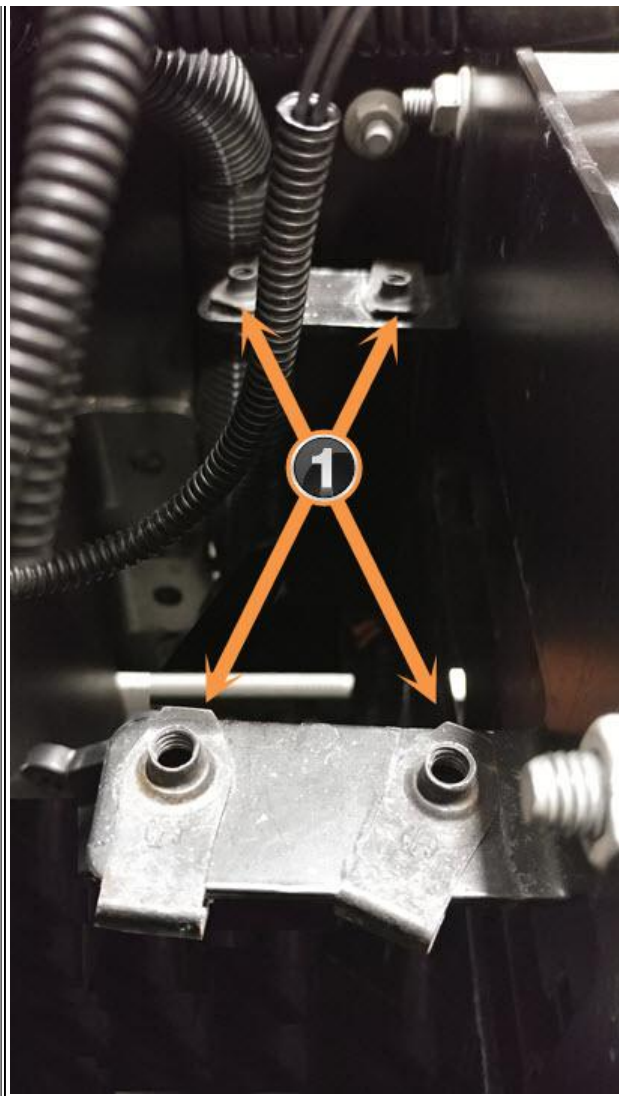
Figure 2 - Old Style PDM Original Mounting



1. Original PDM Mounting

- Photo is taking from above the PDM, looking down towards the ground

Figure 3 - Original Orientation of Extruded U-Nuts



1. Original Extruded U-Nut Mounting

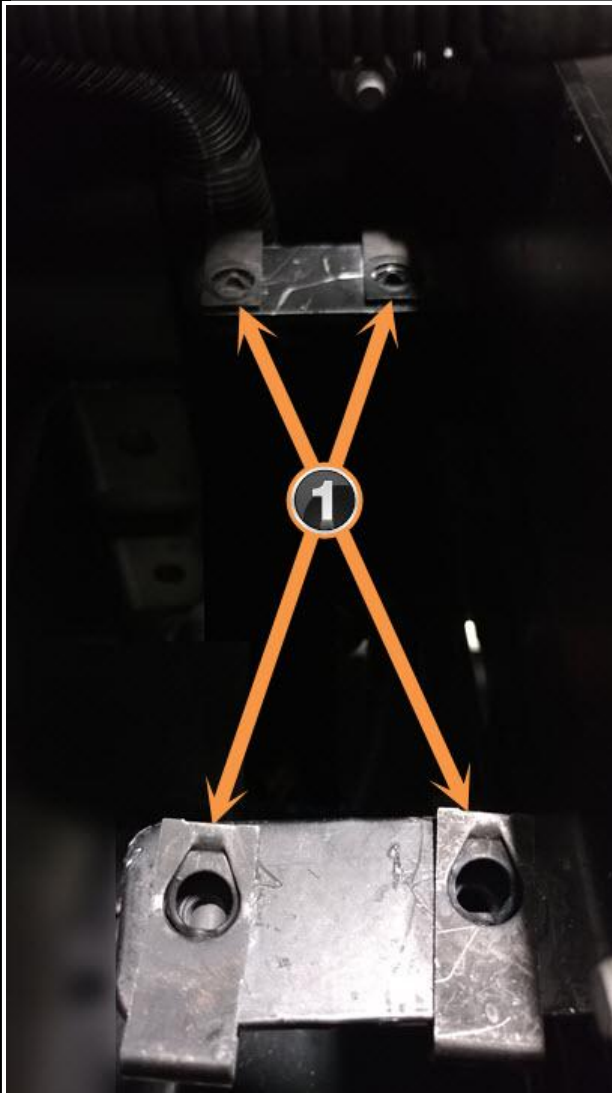
- Photo is taking from above the PDM, looking down towards the ground

Figure 4 - Extruded U-Nut



1. Use a 10mm wrench or socket to remove the 4 mounting bolts for the PDM (Figure 2)
2. The 4 Extruded U-Nuts (Figure 3) will need to have their orientation flipped 180° vertically

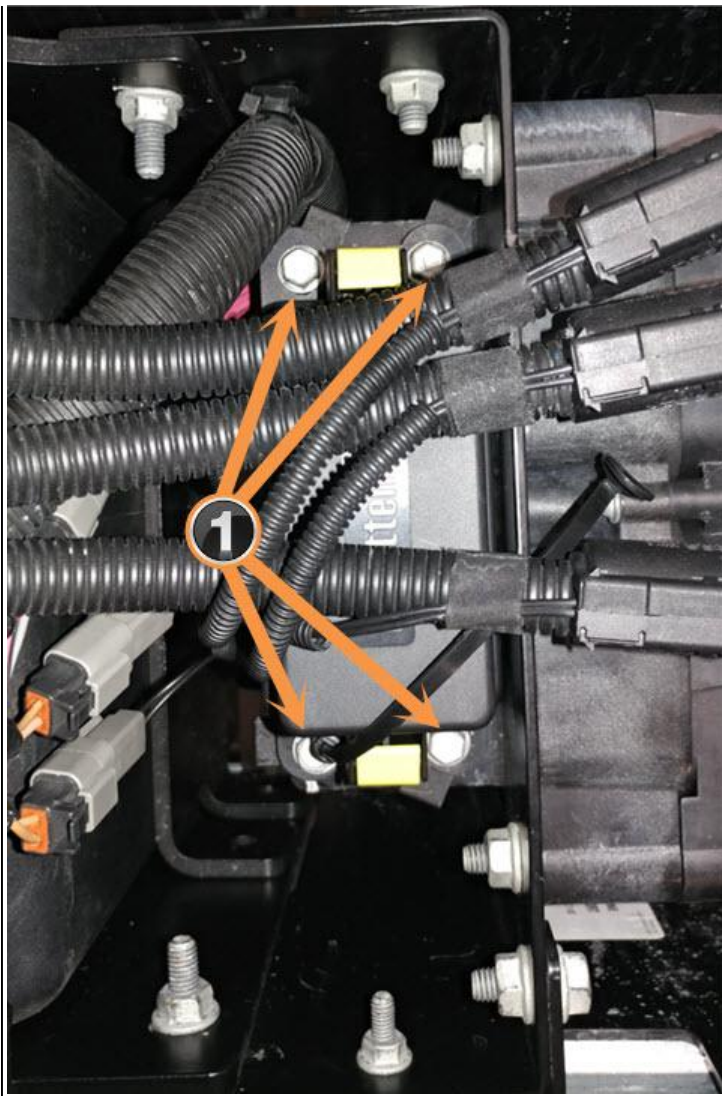
INSTALLATION PROCEDURE:

Figure 5 - Proper Orientation of the Extruded U-Nuts for New PDM

1. Extruded U-Nut Mounting for new PDM mounting

- Photo is taking from above the PDM, looking down towards the ground

Figure 6 - Proper Mounting for the New PDM

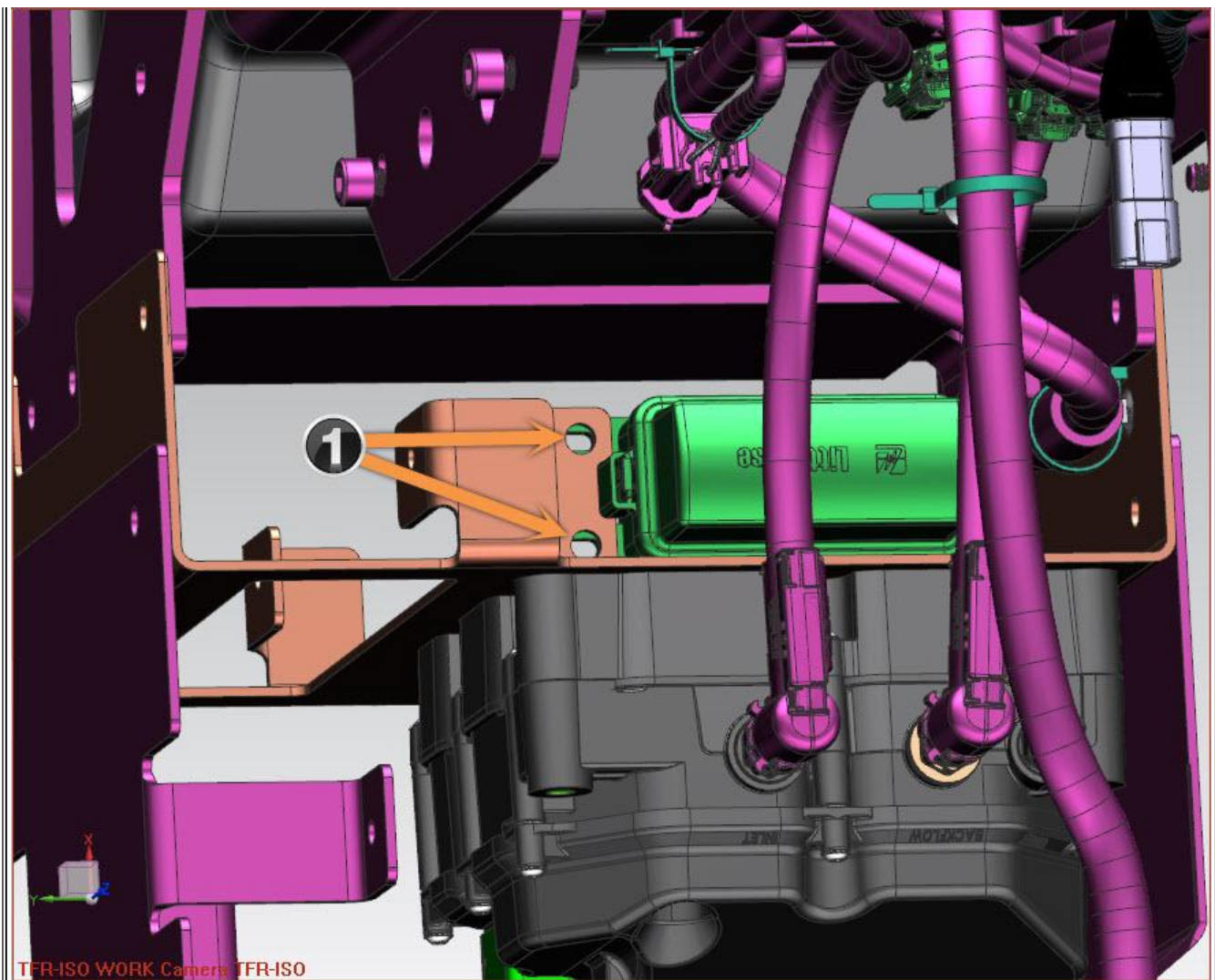


1. New PDM Properly Mounted

- Photo is taking from above the PDM, looking down towards the ground

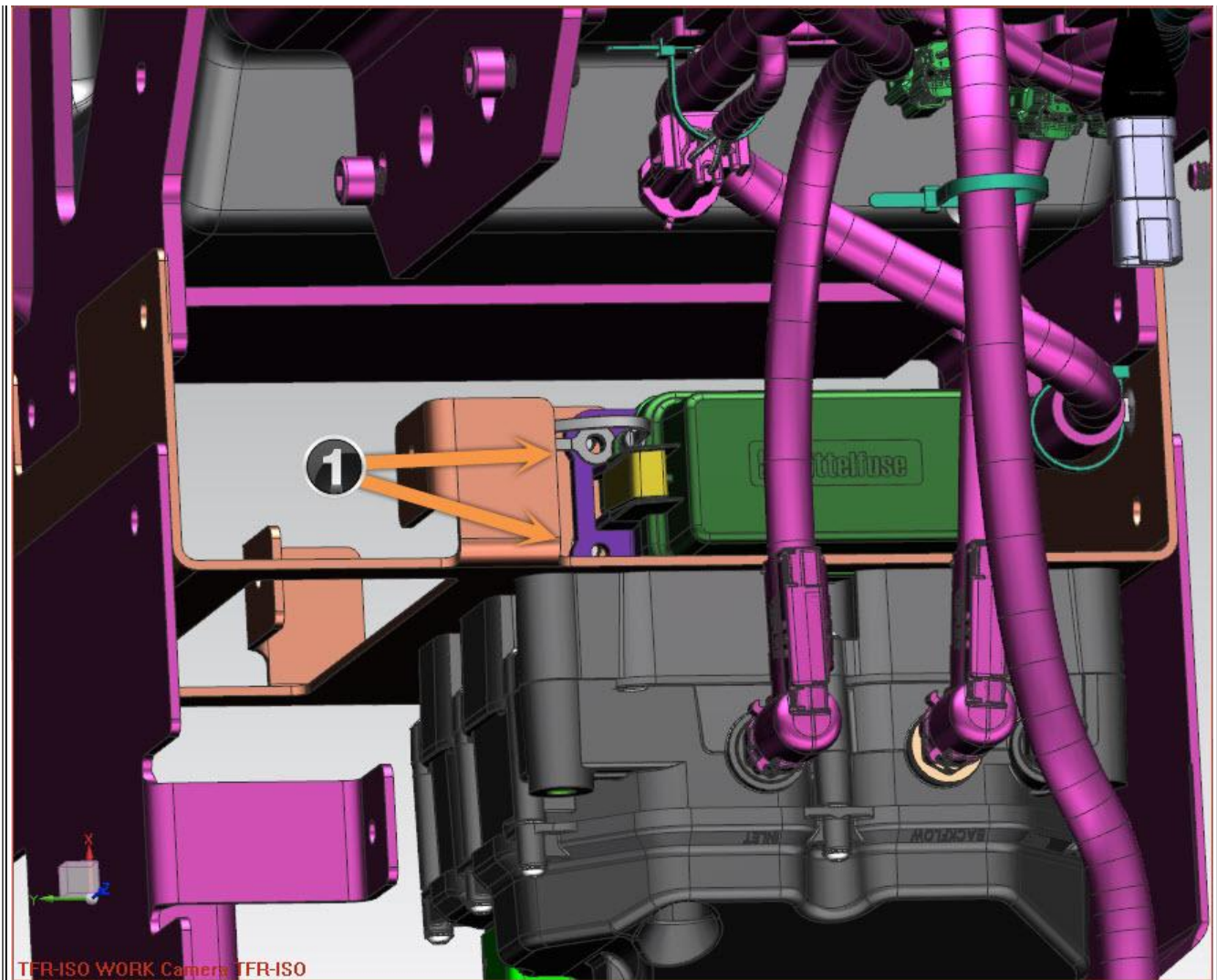
1. Re-install the Extruded U-Nuts with the orientation shown in Figure 5
2. Install the harness with new PDM on top of the mounting bracket, and install the 4 bolts as shown in Figure 6

Figure 7 - Original PDM Mounted Under Bracket



1. PDM is mounted under the bracket

Figure 8 - Updated PDM Mounted Above Bracket



1. PDM is mounted above the bracket

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](#)

 Hide Details

Feedback Information

Viewed: 1557

7

Helpful:
Not Helpful: 2

No Feedback Found

Copyright © 2018 Navistar, Inc.