

1210F SPL 170XL Interaxle Driveline

Number

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1210F / NHTSA Recall ID: 10V634000 / Transport Canada ID: 2010-441

Description

SPL 170XL Interaxle Driveline

Date

3/2/2011

What's New

Warranty section has been updated with descriptions of Recommended Repairs and an updated PRWS Claim Coding table has been added.

Introduction

Peterbilt Motors has decided that a defect which relates to motor vehicle safety exists in certain model year 2007 and 2008 vehicles built between January 4, 2006 and April 30, 2007 and manufactured with a Dana SPL170XL interaxle driveshaft. Affected vehicles may experience premature failure of the interaxle driveshaft universal joint due to excessive heat and a breakdown of lubrication, which may result in the universal joint becoming loose and/or

binding. If left unattended, the condition may result in universal joint failure, allowing the interaxle driveshaft to detach from the axle which could increase the risk of personal injury, vehicle damage and/or a crash.

Resolution

Peterbilt Motors is issuing this recall to install new universal joints and, when applicable, phase the yoke of the interaxle driveshaft.

Phasing DOES NOT apply to vehicles with Meritor axles. See the attached list for vehicles with Meritor axles.

Federal Law

It is a violation of Federal law for a dealer to sell or lease new vehicles covered by this recall until the defect or noncompliance has been corrected.

Warranty

SIR will indicate chassis involved in this field repair with the designator “**1210F**” in the campaign field.

If the vehicle is affected and is shown to have an open campaign, please complete the work and file a Full Truck Claim.

FOR CHASSIS EQUIPPED WITH MERITOR AXLES

EQUIPPED WITH PRODUCTION OR AFTERMARKET DRIVELINE

- **1.4 hours** to R&R both driveline universal joints per repair procedure. Use Recommended Repair **1210F1**.

FOR CHASSIS EQUIPPED WITH DANA AXLES**EQUIPPED WITH PRODUCTION DRIVELINE (Part Number: 170DS55005C)**

- **1.7 hours** to R&R both driveline universal joints, replace driveline boot (**211987X**) and phase the driveline yoke per repair procedure. Use Recommended Repair **1210F2**.

EQUIPPED WITH AFTERMARKET DRIVELINE (Part Numbers: 170IA55010C or 170SC55012C)

- **1.7 hours** to R&R both driveline universal joints, replace driveline boot (**5015106DAN**) and phase the driveline yoke per repair procedure. Use Recommended Repair **1210F4**.
- For supplemental repairs file a long form claim and input **1210F** in the "Campaign Code" field.
- File claim within 7 days in accordance with warranty policy.

PRWS CLAIM CODING			
Campaign Code:	1210F	Campaign Type:	Safety Recall
Claim Category:	Truck	Repair Type:	Proactive
Customer Concern Code:	128	Causal Code:	27
Corrective Action Code:	12	Responsibility Code:	CAMP
Failure Location:	024-002-003	Causal Part:	SPL170-4X
Supplier Code:	N/A	SRT Code:	<p>B11-01A 1.4 hours For chassis with Meritor axles - R&R both universal joints</p> <p>B11-01B 1.7 hours For chassis with Dana axles - R&R both universal joints and bearing retainers, replace slip joint boot, and phase driveshaft yoke.</p>

Procedure

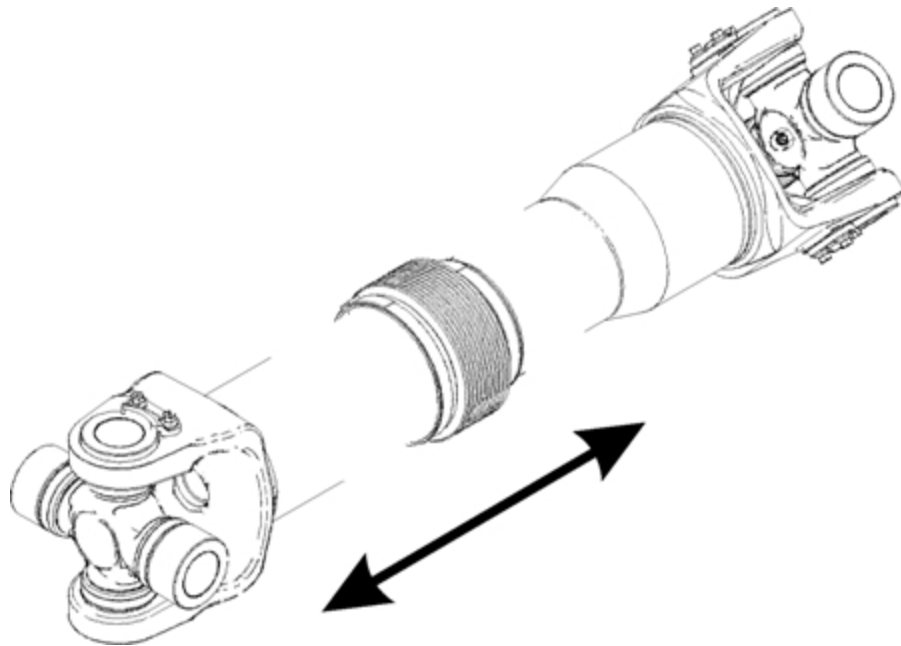
For **Meritor** axles the repair ONLY involves replacing both interaxle driveline u-joints, and bearing retainers.

For **Dana** axles the repair involves replacing both interaxle driveline u-joints, bearing retainers and boot kit, as well as phasing the driveline slip yoke.

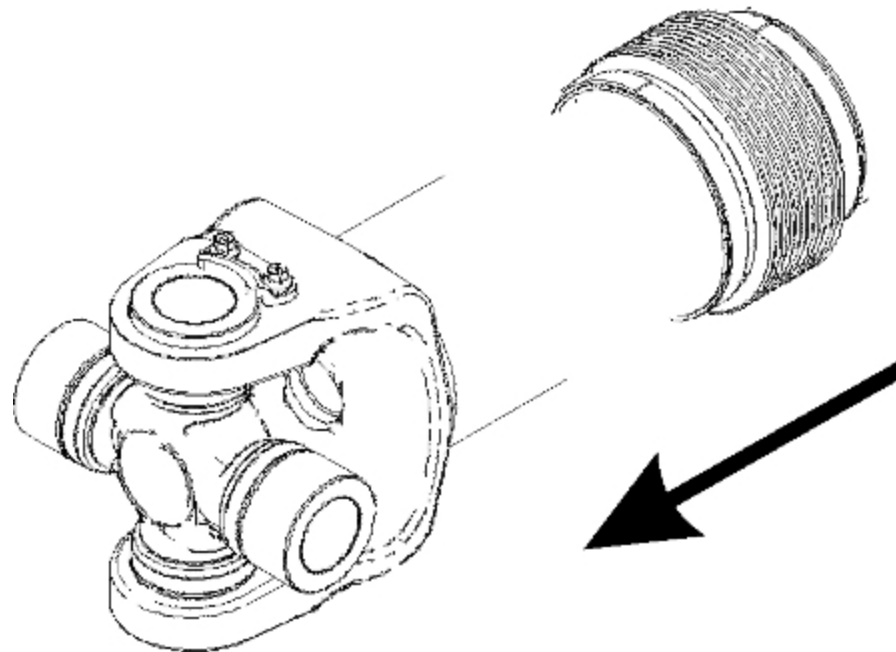
For all axle brands perform all repairs per normal repair practices (ref. attached [Dana DSSM-0100](#) Service Manual).

The procedure below applies **ONLY to Dana** axles:

1. Clean the driveshaft to avoid contamination of the spline shaft during this repair.
2. Mark the interaxle driveline with "phasing marks".
3. Remove the u-joint on one end of the driveline, and the boot.

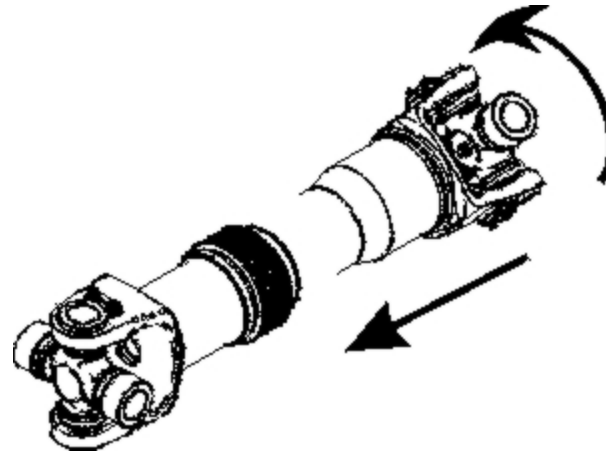


4. Install new boot kit.

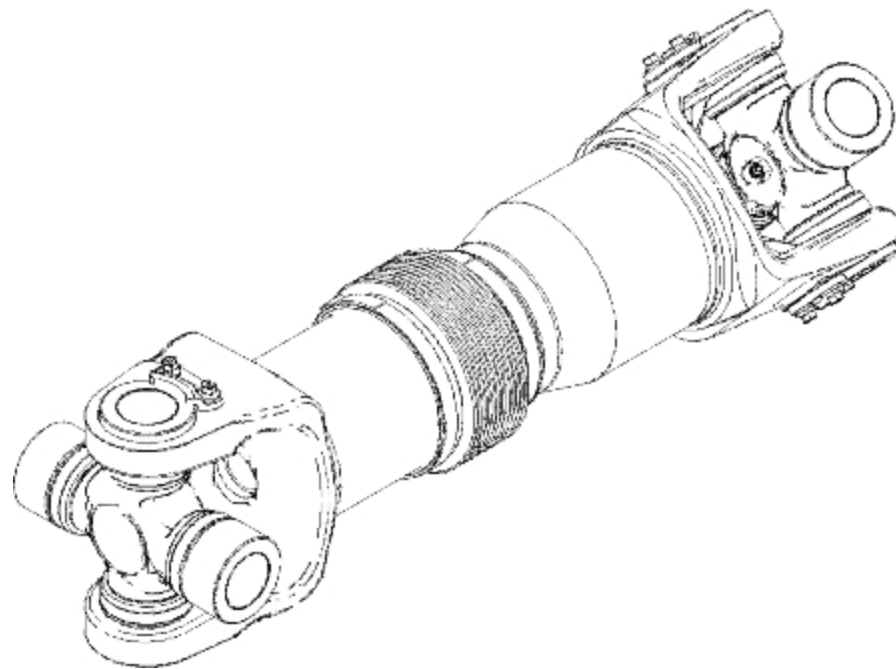


5. Phase the driveline by rotating it four (4) spline teeth in a CLOCKWISE direction (from the back of the truck facing the front of the truck), based

on the phasing marks you made in Step 1. Reassemble the two driveline sections, using a new u-joint assembly, a new boot and new boot clamps. Tighten the boot clamps using Oeitikar pliers.



Phased driveline should look similar to this when complete.



6. Raise one of the axles off of the ground so that the axle yoke can be rotated to match the newly phased yoke.
7. Replace the u-joint on the other end of the driveline.

Parts

Peterbilt will cover parts purchased through PACCAR Parts (dealer net+ 30% parts mark up) according to the schedule below.

PARTS		
Qty	Part Number	Description
2	SPL170-4X	U-joint Kit (includes bearing strap kit)
2	170-70-18X	Bearing retaining kit
1	211987X	Boot Kit (For production driveshaft Part # 170DS55005C)
1	5015106	Boot Kit (For aftermarket driveshaft Part #'s 170IA55010C or 170SC55012C)

NOTES:

1. New customer letters are being mailed to inform customers that boot kits are now available.
2. DO NOT install boot kit onto interaxle driveshafts on vehicles with Meritor rear axles.
3. Aftermarket driveshafts are 4.00in diameter vs. 4.13in for the production part. Please ensure correct boot kit is ordered.

Links

[Dana DSSM-0100](#)

[1210F DO NOT PHASE THESE SHAFTS - U JOINTS ONLY](#)

[Customer letter \(INTERIM\)](#)

[1210F BULLETIN Chassis List](#)

Revision History

09/17/2024: Updated warranty section with explanation of Recommended Repairs. Also updated PRWS Claim Coding table. SRT codes updated - new

codes B11-01A and B11-01B created to replace obsoleted codes.

12/05/2012: Corrected parts list.

11/07/2012: Updated parts list to reflect new parts to order.

04/26/2011: Revised parts to include boot kit for aftermarket driveshaft.

04/18/2011: Revised procedure - DO NOT phase the shafts of vehicles with Meritor axles. Removed reference to boot kits not being available until May.