



TECHNICAL SERVICE BULLETIN

Transmission Fluid Leak Due To A Cracked Transmission Case Or Transmission Fluid Pan

22-2356

19 September
2022

Model:

Ford 2015-2019 F-Super Duty

Issue: Some 2015-2019 F-Super Duty vehicles may experience a transmission fluid leak from a cracked transmission case or transmission fluid pan. This may be due to a driveline vibration condition. For vehicles that have a concern with a cracked transmission case (Figures 1-2) or fluid pan (Figures 3-4), the rear driveline imbalance most often is the root cause of this concern. To correct the condition, follow the Service Procedure to replace the rear driveline.

Action: The vehicle should meet the following criteria:

- 2015-2019 F-Super Duty
- Transmission fluid leak from a cracked transmission case or transmission fluid pan

Warranty Status: Information Only – Not Warrantable.

Repair/Claim Coding

Causal Part:	IN
Condition Code:	01

Service Procedure

For vehicles that have a concern with a cracked transmission case (Figures 1-2) or fluid pan (Figures 3-4), the driveline imbalance most often is the root cause of this concern.

Figure 1

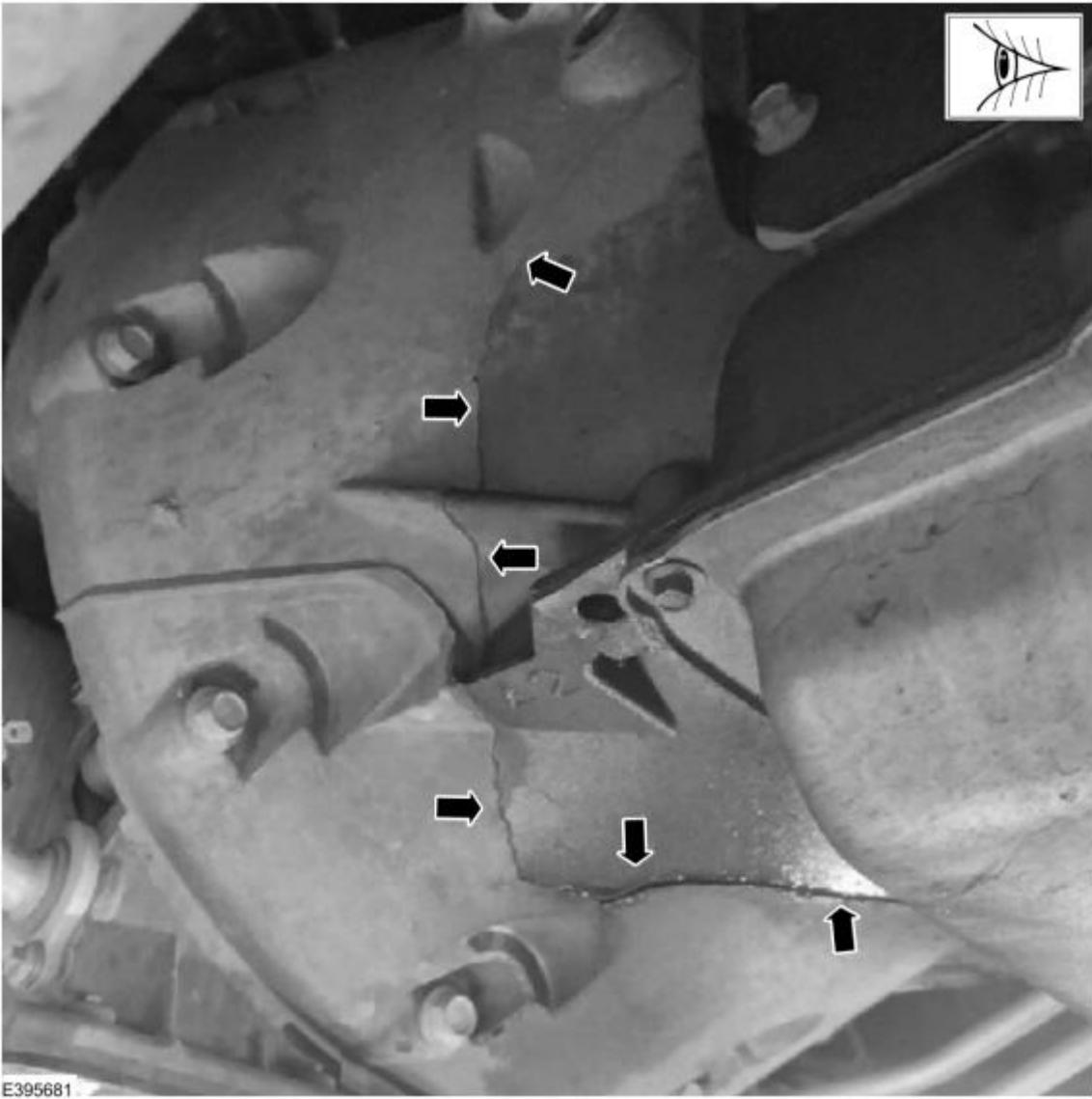


Figure 2

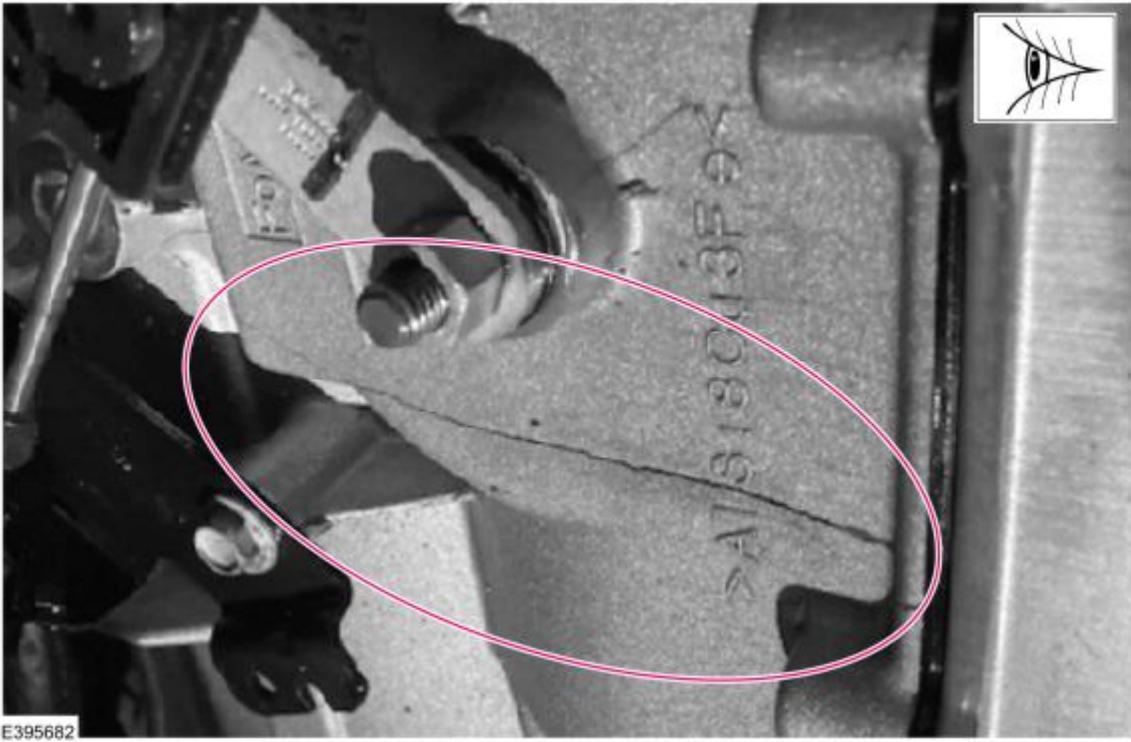


Figure 3

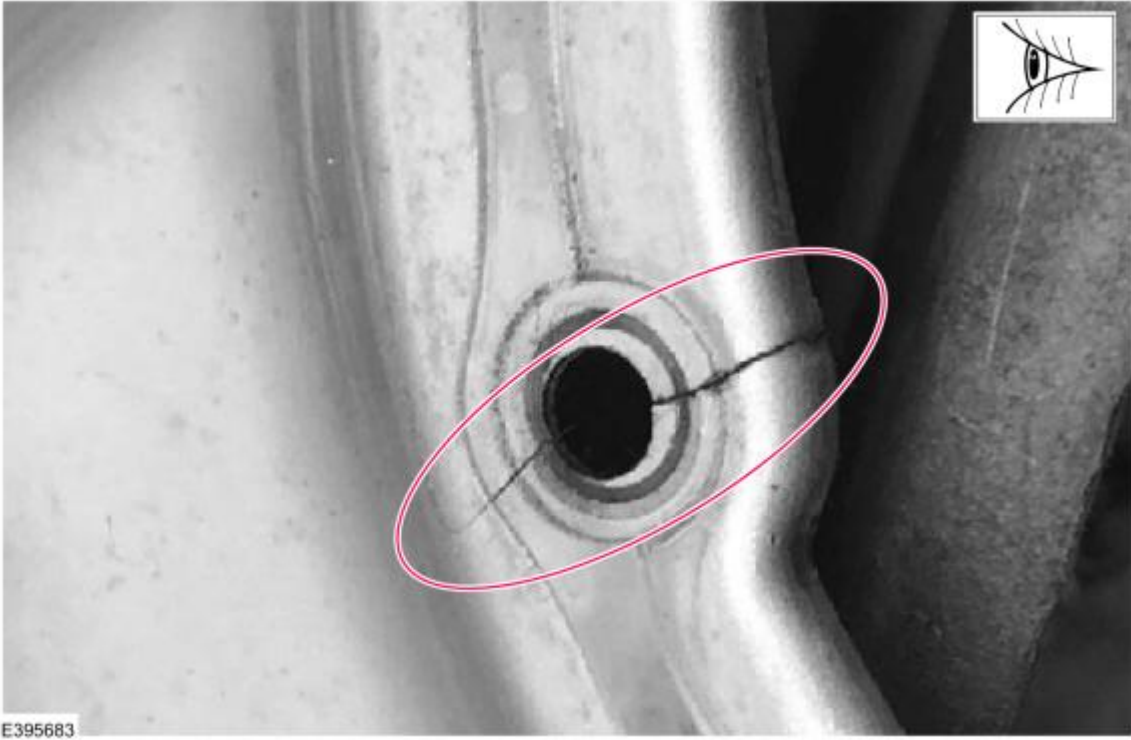
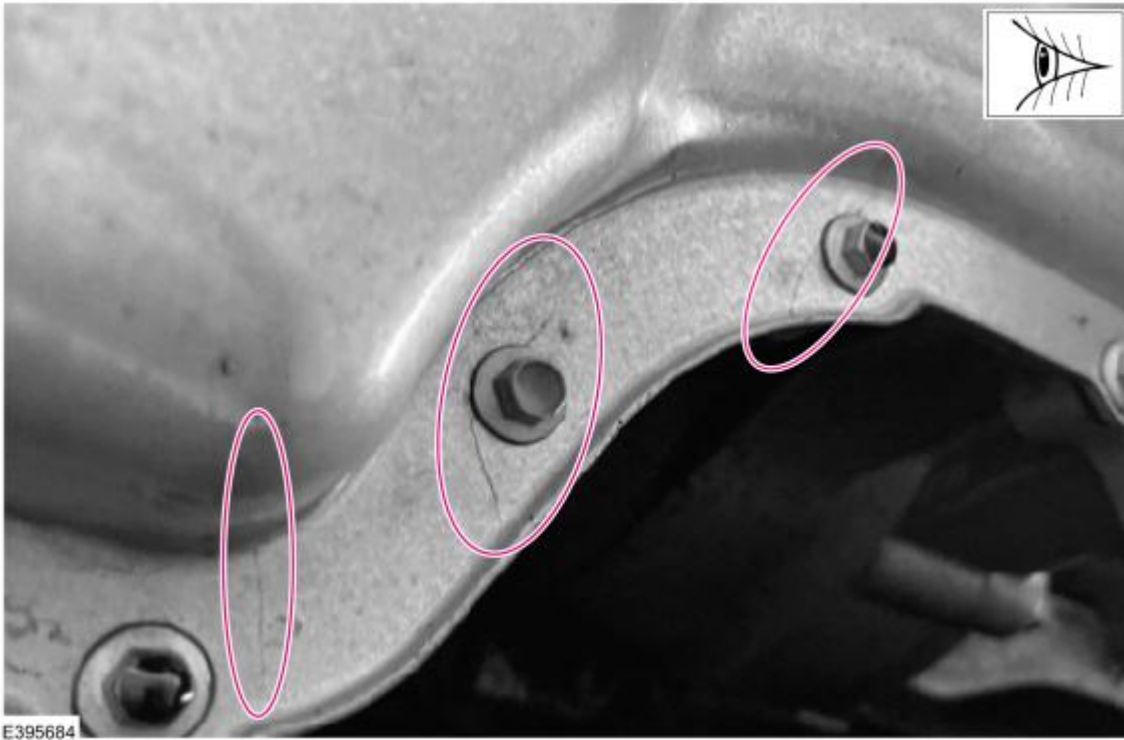


Figure 4



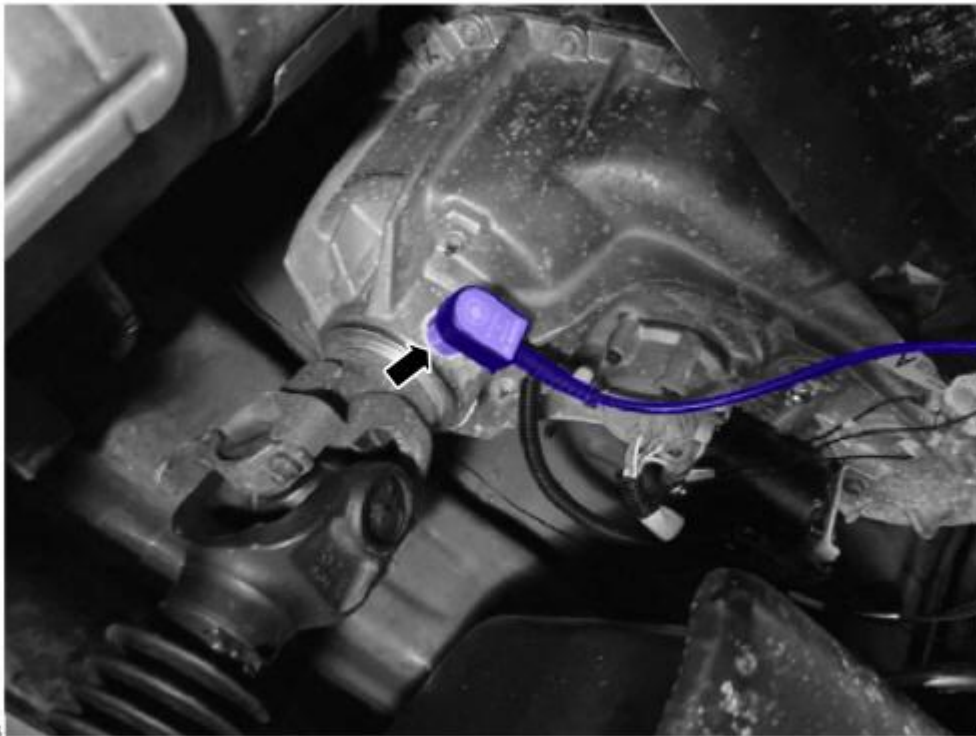
1. Replace the following rear driveline components with the transmission repair per Workshop Manual (WSM), Section 205-01:
 - Driveshafts
 - Rear flanges
 - Rear universal joints
 - Center support bearings
 - Transfer case
2. After repair and prior to vehicle delivery to the customer, confirm all of the following are within specification.
 - (1). Verify the driveline angles are within specification. Refer to WSM, Section 205-01.
 - (2). Advise the customer to make sure loaded weights do not exceed the vehicle capacity, which could put the rear driveline angles out of specification per WSM, Section 205-01.
 - (3). Inspect the powertrain mounts and document all engine and transmission mounts for any concerns.
 - (4). Inspect the frame for any evidence of twisting, cracking or damage.
 - (5). If applicable, verify Customer Satisfaction Program 21B04 has been completed.
 - (6). Make sure any vehicle modification aligns with The Body Builder Guide (www.fordbbas.com).
 - (7). Verify the driveline vibration analysis at maximum vehicle highway speed with Rotunda VMS or equivalent. For accelerometer placement, refer to Figures 5-6.

Figure 5



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Figure 6



E395686

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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.