TECHNICAL SERVICE BULLETIN

NUMBER: 03-004-22 REV. A

GROUP: 03 - Differential and Driveline

DATE: August 18, 2022

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This bulletin supersedes Technical Service Bulletin (TSB) 03-004-22, date of issue August 4, 2022, which should be removed from your files. All revisions are highlighted with **asterisks and include converting to an RSU, a new build date and a new LOP.**

****This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 22-155, date of issue August 17, 2022. All applicable Sold and Un-Sold RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty. This RSU will expire 18 months after the date of issue.****

SUBJECT:
Rear Propshaft Clunk

OVERVIEW:
This bulletin involves removing the rear driveshaft and greasing the slip yoke splines.

MODELS:

2021 - 2022 (DT) RAM 1500 Pickup

NOTE: This bulletin applies to vehicles within the following markets/countries: North America, LATAM, APAC and EMEA.

NOTE: This bulletin applies to vehicles built on or before **February 05, 2022 (MDH0205XX) equipped with the 6.2L V8 Supercharged Engine (Sales Code ESD).**

SYMPTOM/CONDITION:
The customer may describe the following:

- A clunk noise from the driveshaft while coming to a stop or when just starting to tip into throttle at take off.

DIAGNOSIS:
If a customer's VIN is listed in VIP or your RSU VIN list, perform the repair. If any vehicle not on the VIN list exhibits the symptom/condition, perform the repair.

PARTS REQUIRED:

Qty.	Part No.	Description
1 (AR)	68597433AA	Drive Shaft Boot Kit - Includes Boot, Grease, Clamps, and eight attaching bolts.

REPAIR PROCEDURE:

1. **Is the vehicle is on the RSU VIN list?
   - YES>>> Proceed to Step 4.
   - NO>>> Proceed to Step 2.**
2. Test drive vehicle to confirm the symptom. To isolate the concern: Shift the transmission to manual mode/first gear when coming to a stop. In first gear, while coasting down to a stop, if clunk is still present, transmission coastdown is eliminated and driveshaft is confirmed as the issue.
3. Is the driveshaft confirmed as the issue?
   - YES>>> Proceed to Step 4.
   - NO>>> This bulletin does not apply. Normal diagnosis is needed.
4. Raise and support the vehicle. Refer to the detailed service procedures available in DealerCONNECT> Service Library under: Service Info> 04 - Vehicle Quick Reference/Hoisting/ Standard Procedure.
5. **Verify the part number on the Driveshaft label. Is the number on driveshaft label 53011135AC or 53011135AD?
   - YES>>> Proceed to Step 6.
   - NO>>> Normal diagnosis should be performed. This bulletin has been completed, use inspect LOP (16-30-01-90) to close the active RSU.**
6. Mark the yoke and sleeve with a paint pen to indicate original spline installation alignment.
7. Mark the front driveshaft flange to the transfer case mating flange to keep the installation position the same after servicing is completed.
8. Mark the driveshaft flange and rear axle flange with a paint pen to indicate original installation alignment.
9. Remove the driveshaft from the vehicle. Refer to the detailed service procedures available in DealerCONNECT> Service Library under: Service Info> 03 - Differential and Driveline/ Driveshaft/Shaft, Drive, Rear/Removal and Installation for bolt torque specification. **Discard the removed Driveshaft to Transfer Case Bolts and Driveshaft to Rear Axle Flange Bolts.**

CAUTION! Driveshaft removal is a two-person operation. Never allow the driveshaft to hang while only connected to the transfer case or rear axle flanges. An assistant is required. If hung unsupported, damage may occur to the shaft joint from over-angulation. This may result in driveline vibration or component failure.

CAUTION! Do not clean the spline or utilize any grease other than supplied in the service kit. Contamination with solvents, debris or unapproved lubricants could permanently damage the spline.

10. Remove large and small boot clamp from boot seal & pull boot off spline sleeve and separate the two parts of the driveshaft. Remove and discard boot. (new boot included in 68597433AA kit).
11. Apply the full contents of the service kit grease tube to exposed INTERNAL spline cavity on the main body of the driveshaft. Apply grease 360° around inside perimeter of internal spline cavity, approximately one inch deep.
    - Protect exposed spline surfaces from contamination during the greasing procedure.

    NOTE: Do NOT apply grease to the externally splined yoke (transfer case end).
    - Application of grease to the front portion of the internal spline cavity is sufficient. The grease will distribute across the length of the spline during reassembly.

12. Place a new boot and small clamp from the service kit over the yoke end shaft and clamp in same position as before removal. Place large clamp (supplied in kit) loosely over boot on tube end - Do not secure clamp yet.
13. Reassemble the main body of the driveshaft to the yoke and boot assembly, aligning the spline according to the marks applied in Step 6.

CAUTION! The spline will only reassemble freely in the original spline orientation. Do not force assembly with the spline out of rotational alignment. Misaligned assembly will result in noise or vibration.

14. Securely crimp the large boot clamp placed in Step 12 with suitable ear clamp crimping tool.
15. Reinstall driveshaft into vehicle. Use new bolts and align to the marks made in Step 7 and Step 8. Refer to the detailed service procedures available in DealerCONNECT> Service Library under: Service Info> 03 - Differential and Driveline/Driveshaft/Shaft, Drive, Rear/ Removal and Installation for bolt torque specification.
16. Remove vehicle from lift and test drive to confirm repair.

POLICY:
Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
16-30-01-90	Rear Driveshaft, Inspect (1 - Semi-Skilled)	3 - Differential and Driveline	0.2 Hrs.
16-30-01-9A	Rear Driveshaft, Inspect and Remove, lube splines and replace boot (1 - Semi-Skilled)	3 - Differential and Driveline	1.1 Hrs.

FAILURE CODE:

ZZ	Service Action