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GROUP: 08 - Electrical

DATE: October 23, 2020

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This bulletin supersedes Technical Service Bulletin 08-074-20 REV. B, date of issue September 26, 2020, which should be removed from your files. All revisions are highlighted with **asterisks**** and include updated overview, additional note and updating parts information.**

SUBJECT:

Improved Steering Feel

OVERVIEW:

This bulletin involves replacing the steering gear and updating the Electric Hydraulic Power Steering (EHPS) software, **** checking sales codes and performing vehicle reconfig,**** if required.

NOTE: **Review and perform all step necessary to complete the Repair Procedure. If any steps are missed this may lead to undesired handling characteristics.******

MODELS:

2018 - 2020	(JL)	Jeep Wrangler
2020	(JT)	Jeep Gladiator

NOTE: This bulletin applies to vehicles within the following markets/countries: North America.

SYMPTOM/CONDITION:

The customer may describe one or more of the following:

- Steering wander.
- Vehicle has a lead/pull to the right or left.

NOTE: The lead/pull will be more noticeable in hot ambient temperatures.

- Steering feels like it has excess play.

NOTE: This Technical Service Bulletin (TSB) repair will NOT correct a sustained steering shake, shimmy or vibration. Video aid has been developed for this issue. Refer to the detailed service procedures available in DealerConnect> Service Library under: Service Info>19 - Steering / Linkage / Damper, Steering /Removal and Installation.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If Diagnostic Trouble Codes (DTCs) or symptom conditions, other than the ones listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes the symptom/condition listed above, perform the Repair Procedure.

PARTS REQUIRED:

CAUTION! Verify that the steering gear part number is correct, as per the listed applications bellow. Installation of the incorrect steering gear will lead to undesired handling characteristics, and most likely not address the customer's concern.

Qty.	Part No.	Description
** (AR)	Available the First Quarter of 2021	Gear, Steering 3.0L (EXJ) Diesel Four Door, Left Hand Drive (JL) **
1 (AR)	68507569AA	Gear, Steering - Four Door, Left Hand Drive (JL) This Steering Gear Does Not Fit 3.0L (EXJ) Diesel Gear Ratios 14.2:1
1 (AR)	68507571AA	Gear, Steering - Two Door, Left Hand Drive (JL) Gear Ratios 16.14:1
1 (AR)	68507576AA	Gear, Steering - Left Hand Drive (JT) Gear Ratios 13.3:1
1	06506950AA	Bolt, I-Shaft
1	06513396AA	Bolts, Frame - Steering Gear (4 Bolts Per Package)
(AR)	68088485AB	Fluid, Electric Steering Pump

NOTE: The aluminum steering gear frame bolts will have two different size bolts. The new steel gear frame bolts will all be the same size.

REPAIR PROCEDURE:

NOTE: Vehicles that have professionally installed lift kits, that are within the limits of the service wheel alignment specifications, are eligible for the repair described in this TSB. However, if the vehicle has been lifted or modified beyond the limits of the service wheel alignment specifications, this TSB is not likely to address the customer's concern of wander, leads, and pulls.

1. Replace the steering Gear. Refer to the detailed service procedures available in DealerCONNECT>Service Library under: 19 - Steering / Gear / Removal and Installation.

NOTE: The steering gear frame bolts and I-shaft pinch bolt will need to be replaced with new bolts.

2. Check if the EHPS has the latest available software. Is the EHPS software up to date?
 - YES >>> Proceed to [Step 4](#).
 - NO >>> Proceed to [Step 3](#).
3. Reprogram the EHPS with the latest available software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
4. Check the vehicle's Sales Codes. Does it have Sales Code 5SY?
 - YES >>> Proceed to [Step 5](#).
 - NO >>> Proceed to [Step 6](#).
5. Remove Sales Code 5SY from the vehicle list. Go to DealerCONNECT > Service > Warranty Administration > Vehicle Option Update.

6. Is the vehicle a 2018 or 2019 JL?
 - YES>>> Proceed to [Step 7](#).
 - NO>>> Proceed to [Step 8](#).
7. Add Sales Code 70F to the vehicle list. Go to DealerCONNECT > Service > Warranty Administration > Vehicle Option Update.
8. Using wiTECH 2, perform “Restore Vehicle Configuration” routine. This routine can be found in Guided Diagnostics. Follow all screen prompts to complete this routine.
9. Clear any DTCs that may have been set in any module due to performing a Restore Vehicle Reconfiguration.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
19-00-01-9B	Steering Gear - Replace, Reprogram (EPS) Electric Power Steering, Includes Removing Sales Code 5SY and Restore Vehicle Configuration. (2 - Skilled)	6 - Electrical and Body Systems	1.9 Hrs.

FAILURE CODE:

ZZ	Service Action
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