

SERVICE INSTRUCTIONS

REFERENCE: FSA202219

DATE: 20.01.2023

SUBJECT: Steering Pipe Replacement

FSA TYPE: Customer Notification

Introduction

FSA202219: In Specified of VIN List, Steering Pipe should be replaced in order to prevent leakage.

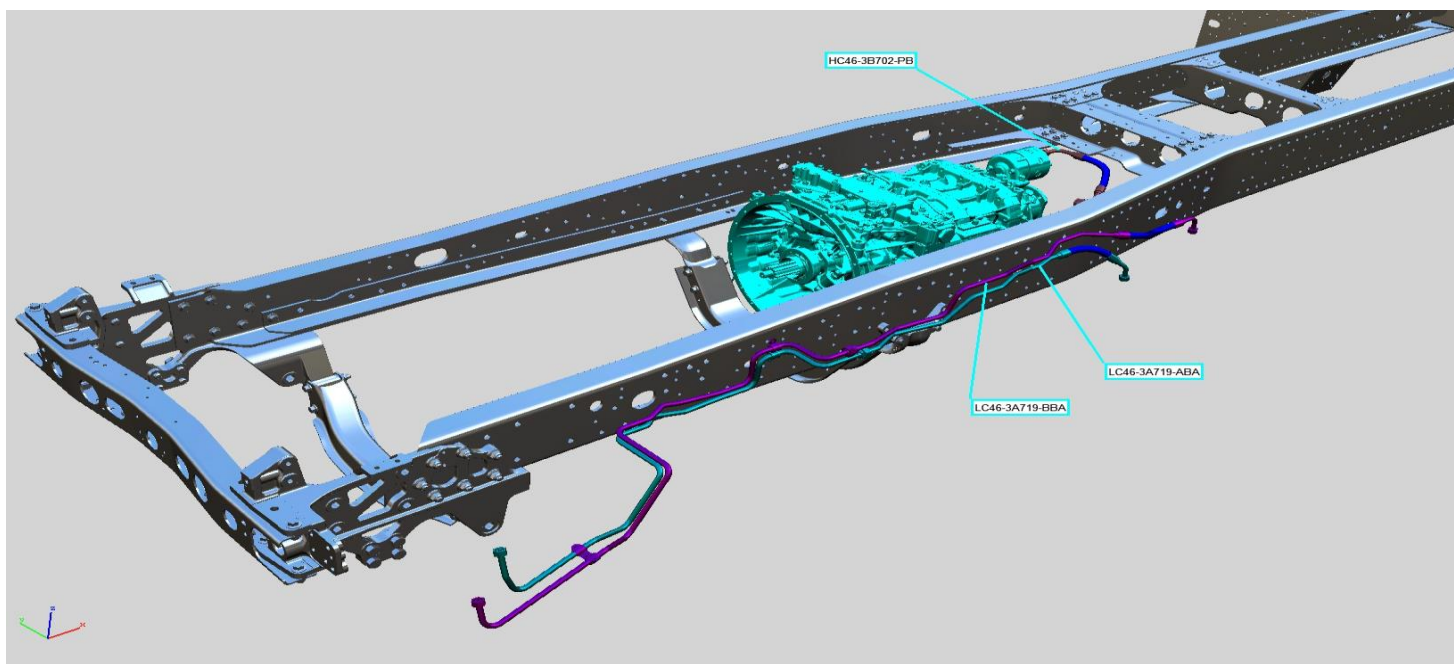
Labour:

Labour	Labour Name	Duration
24C500 F	Steering Pipe Replacement	1,2 h

Parts:

FSA Code	Part Number	Part Description	Usage
FSA202219A	KTPC46-3B702-AA	Steering Pipe Replacement (Kit-1)	1
FSA202219B	KTPC46-3B702-BA	Steering Pipe Replacement (Kit-2)	1
FSA202219C	KTPC46-3B702-CA	Steering Pipe Replacement (Kit-3)	1
FSA202219D	KTPC46-3B702-DA	Steering Pipe Replacement (Kit-4)	1
FSA202219E	KTPC46-3B702-EA	Steering Pipe Replacement (Kit-5)	1
FSA202219F	KTPC46-3B702-FA	Steering Pipe Replacement (Kit-6)	1
FSA202219G	KTPC46-3B702-HA	Steering Pipe Replacement (Kit-8)	1
FSA202219H	KTPC46-3B702-JA	Steering Pipe Replacement (Kit-9)	1
FSA202219I	KTPC46-3B702-KA	Steering Pipe Replacement (Kit-10)	1
FSA202219J	KTPC46-3B702-MA	Steering Pipe Replacement (Kit-12)	1
FSA202219K	KTPC46-3B702-NA	Steering Pipe Replacement (Kit-13)	1
FSA202219L	KTPC46-3B702-PA	Steering Pipe Replacement (Kit-14)	1
ALL	WSS-M2C938 1L	Steering Oil	1 (2 for only Kit-1 and Kit-10)

FSA202219A



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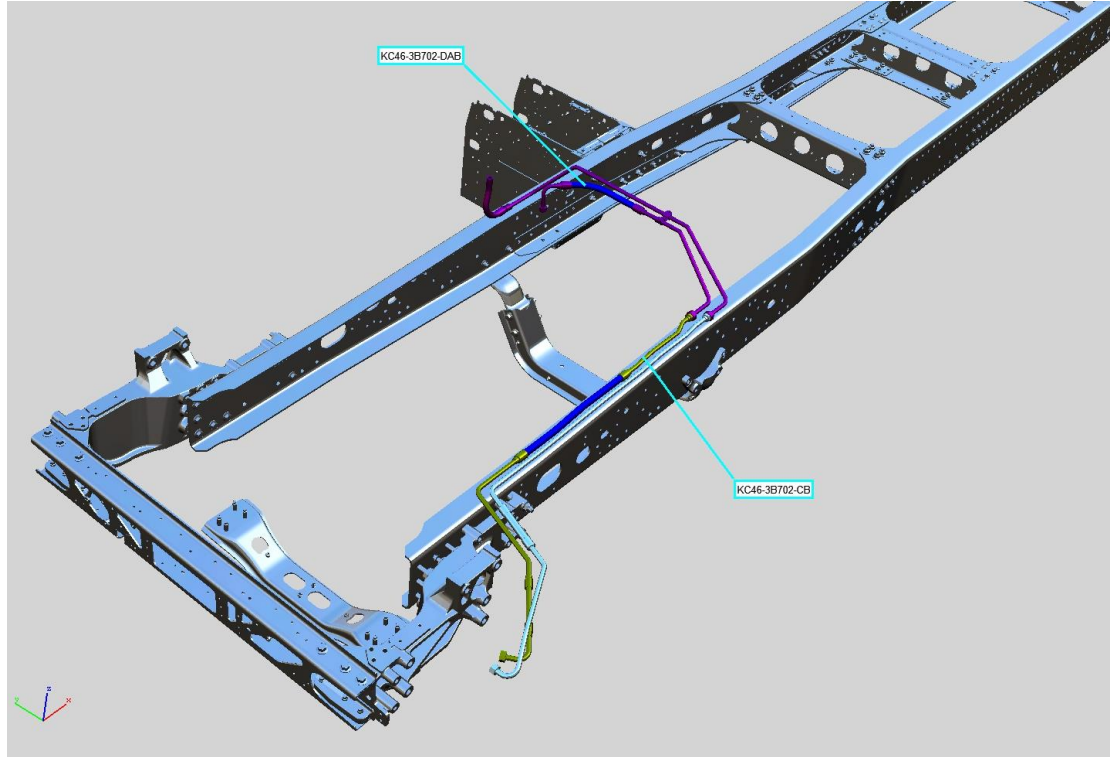
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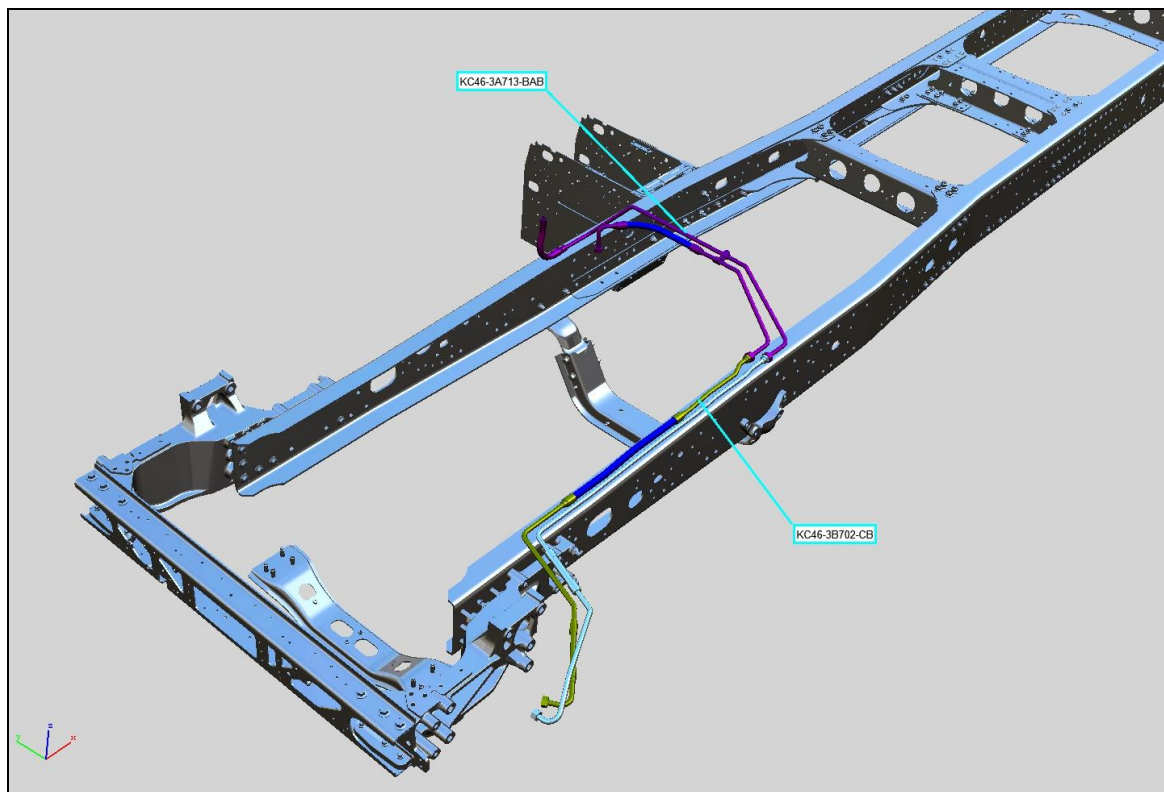
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FSA202219C



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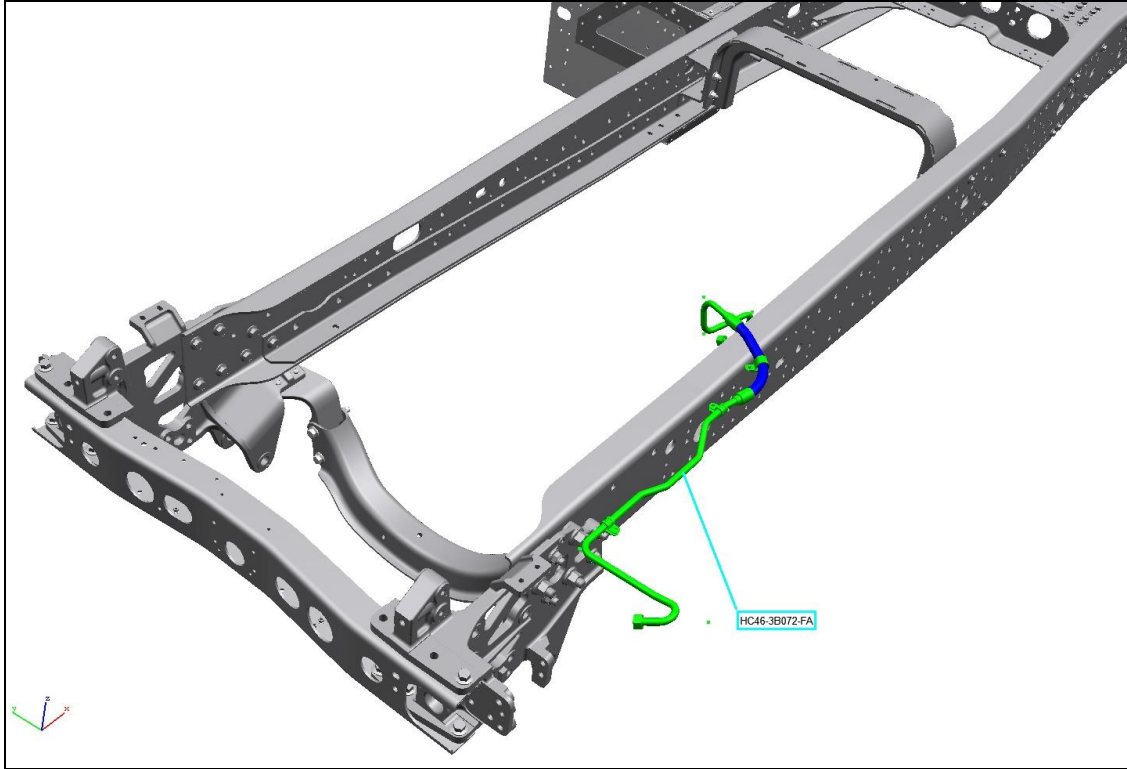
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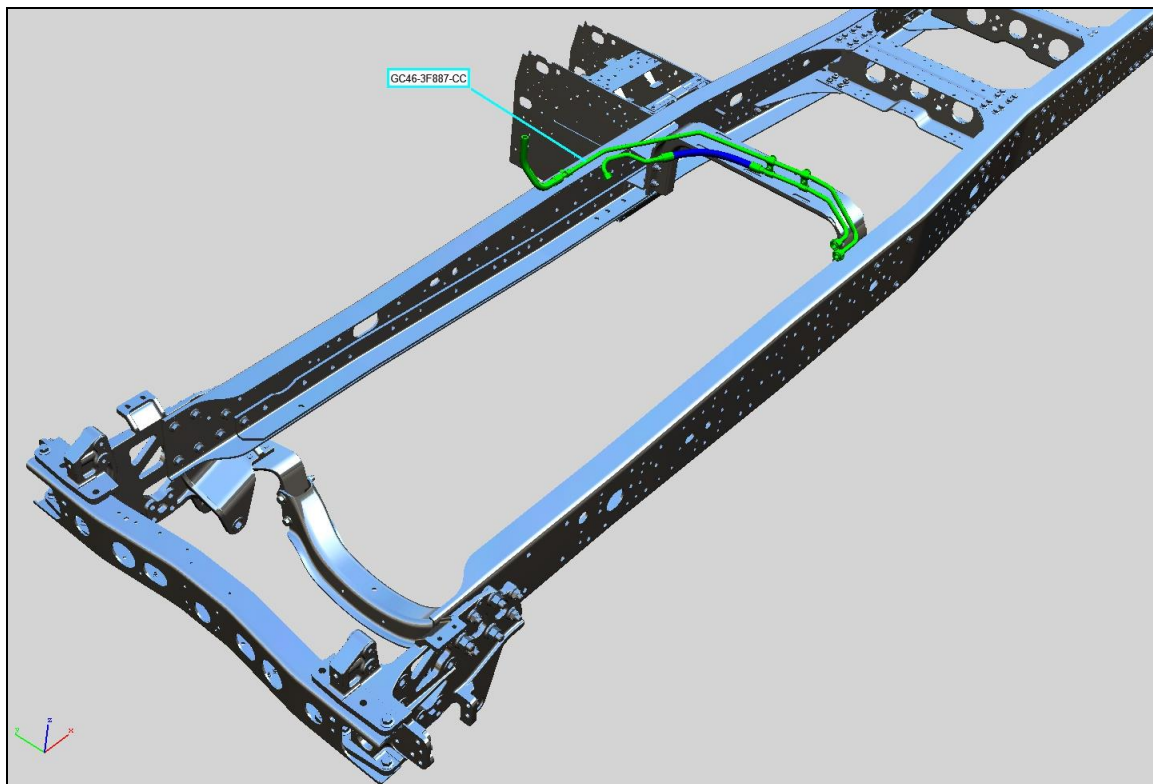
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FSA202219D



FSA202219E



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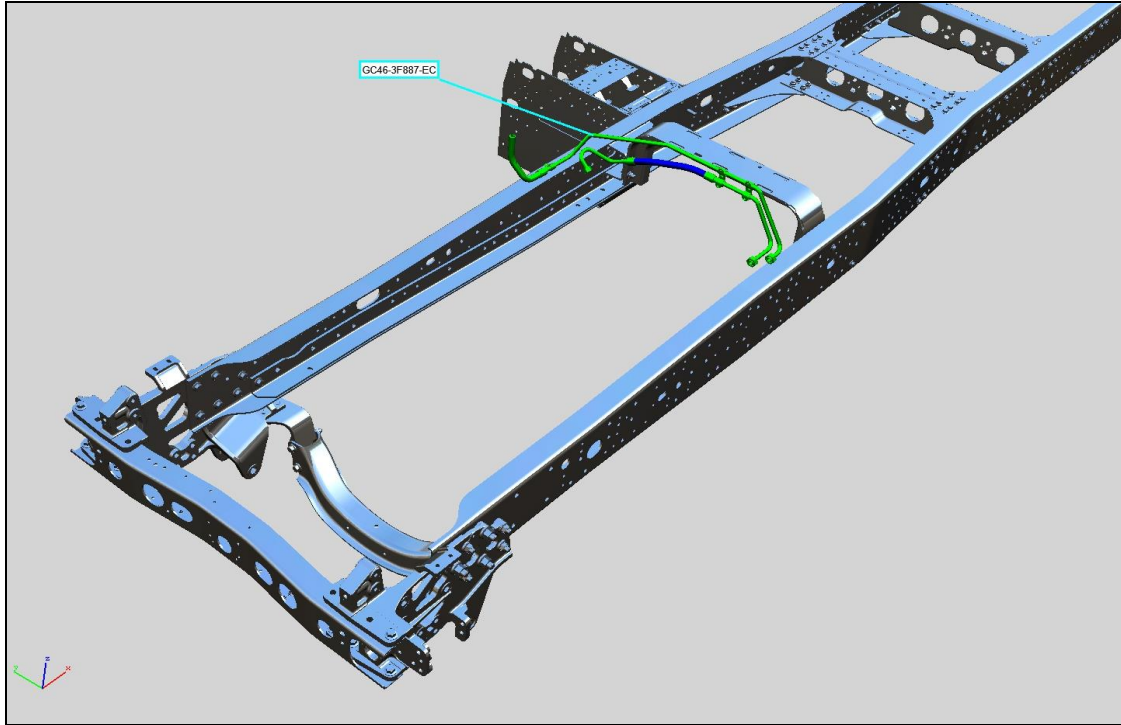
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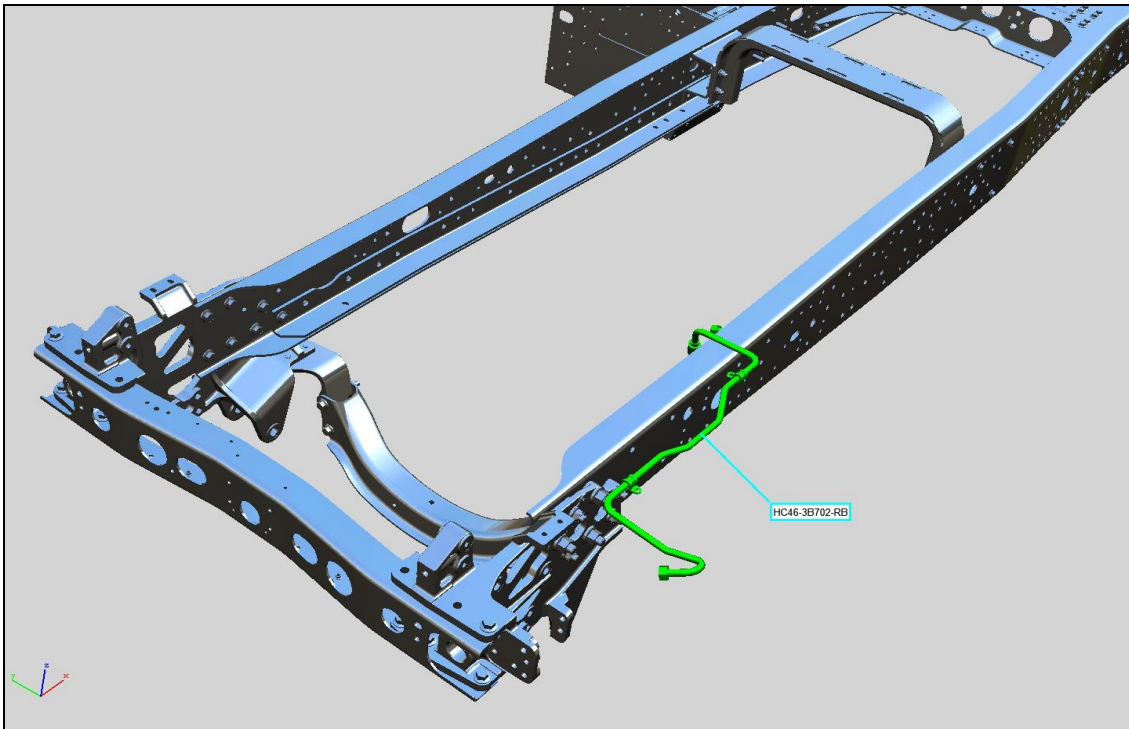
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FSA202219G



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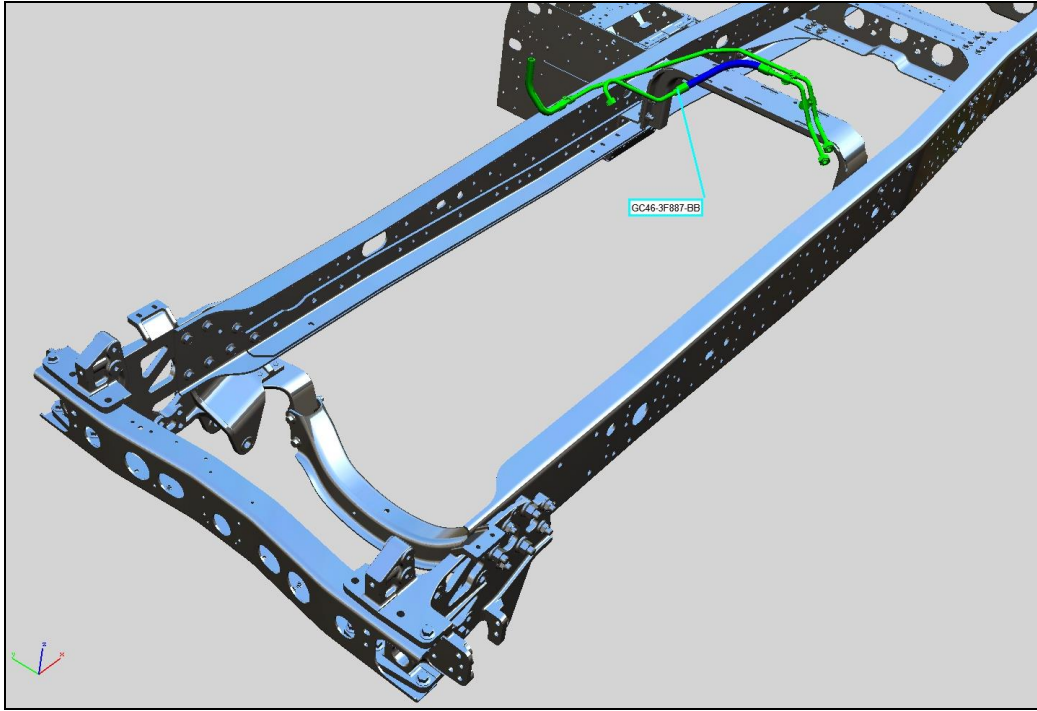
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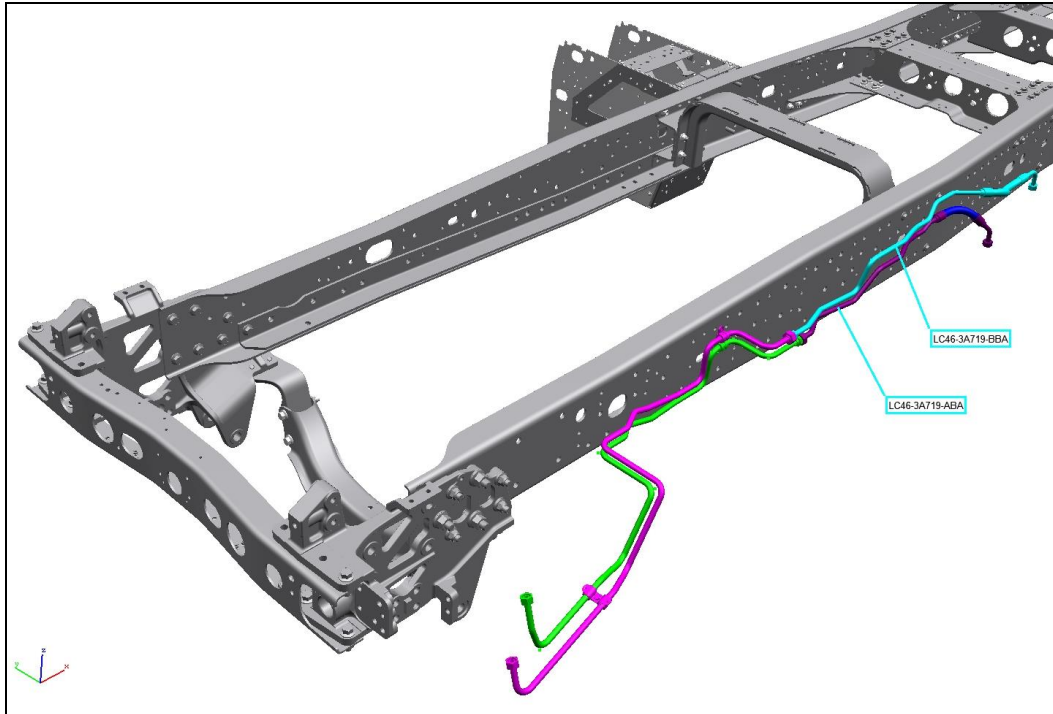
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FSA202219H



FSA202219I



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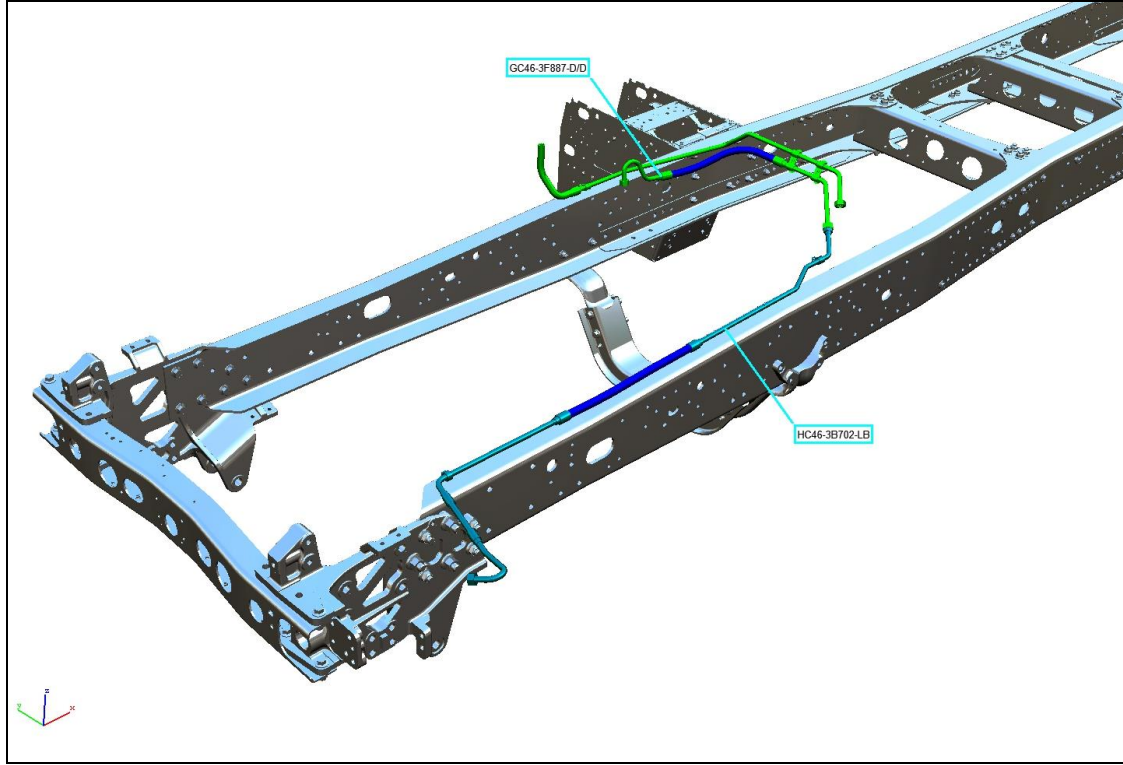
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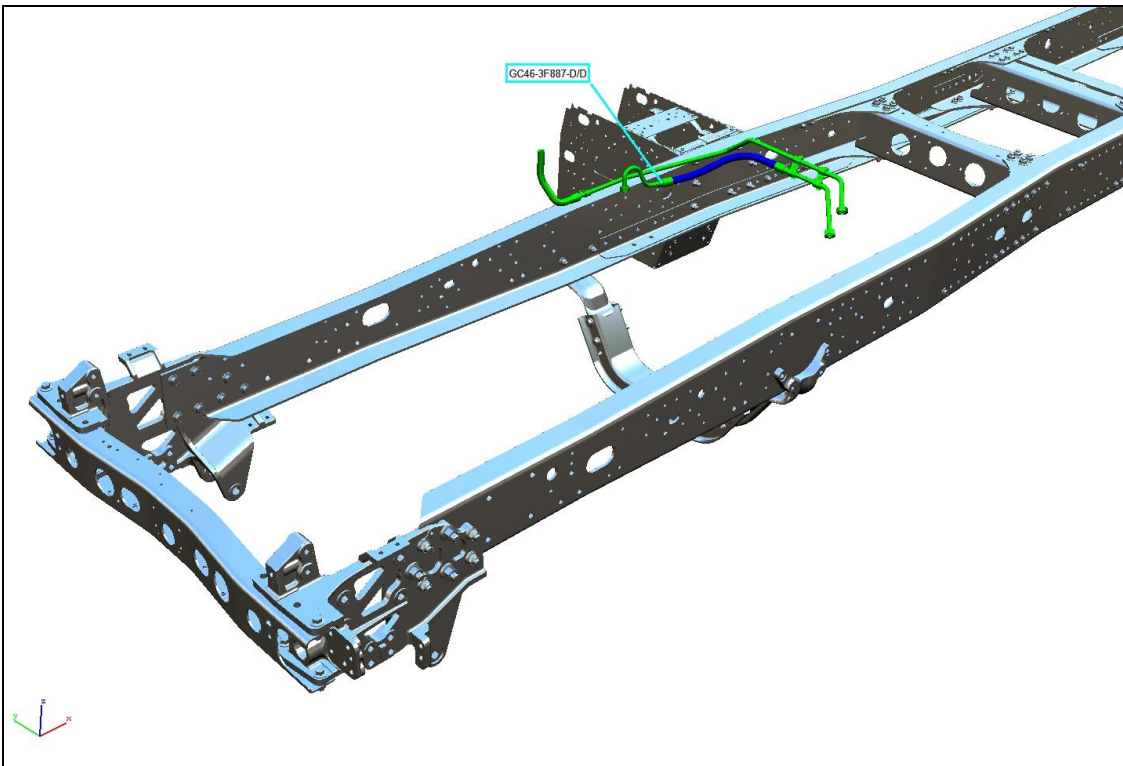
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FSA202219K



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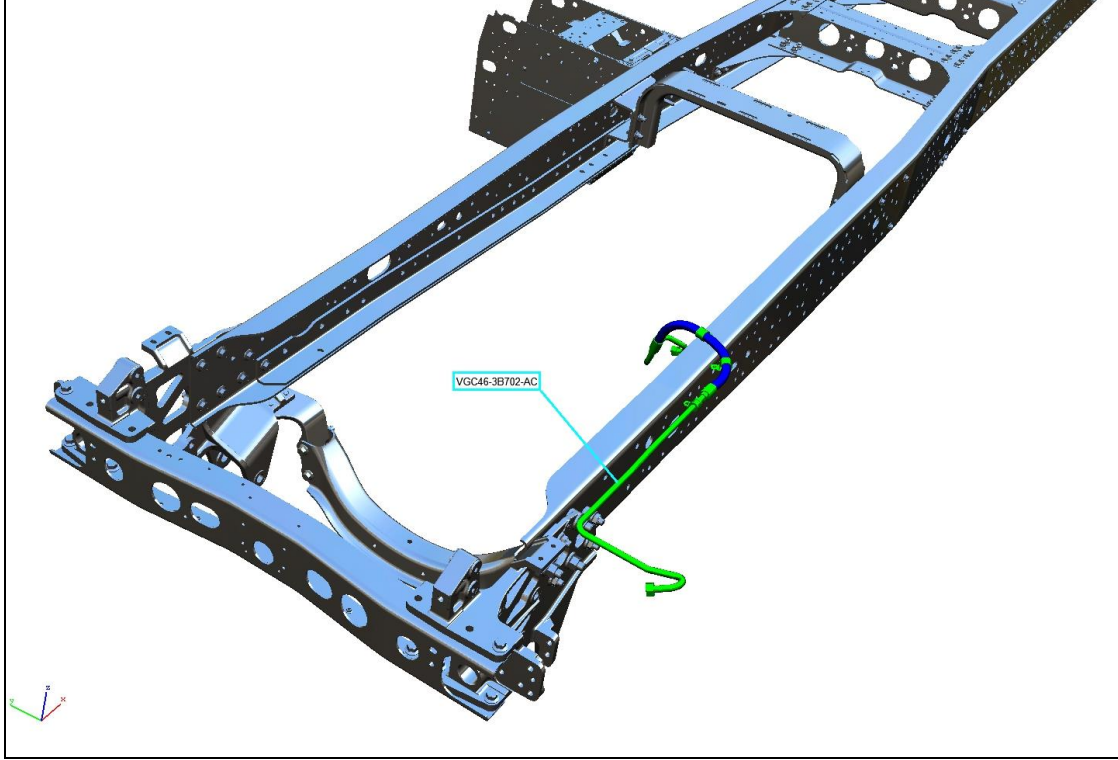
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Service Application:

- 1- Please tilt the cab.
- 2- Please remove the pipes in order according to VIN number & FSA Code and drain steering oil. Please place a container under steering box during oil drain. Please use a torque meter for each Remove and Assembly Process!
- 3- Please check the steering oil level after complete the process. Oil level should be between **Min & Max** on oil dipstick. Oil reservoir cap torque is **20 Nm**.
- 4- Engine should be started after complete the process. The air in the system should be removed by rotating steering wheel left and right. Accelerator Pedal should be applied during this step. Please apply this step minimum 20 times.
- 5- After test and removal of air in the system, Steering Oil should be checked again (See Step3). If the steering oil is OK, please turn the steering wheel 5 times again and control the steering oil if it's between min and max.
- 6- After all this step, please be sure that there is no any oil accumulation or dirt on the work area.

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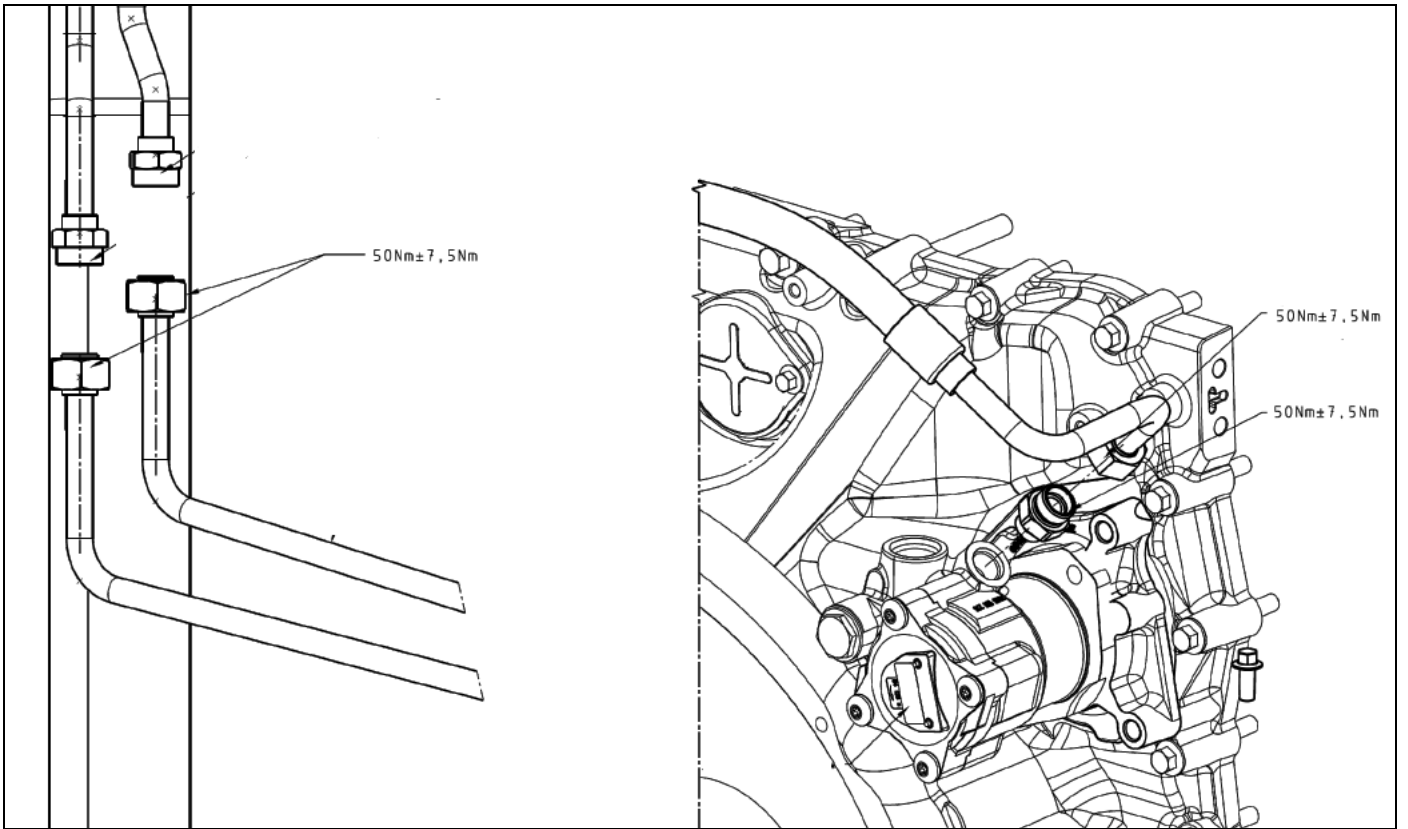
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Control List :

- 1- Steering Oil Level should be checked.
- 2- Steering Oil Leakage should be checked in connection point of the pipes.
- 3- Bracket and Clips connection should be checked.
- 4- Steering wheel should be rotated 10 times left/right to check if any vibration or noise is occurred.

Torque Values of Steering Pipes are given as below drawings;



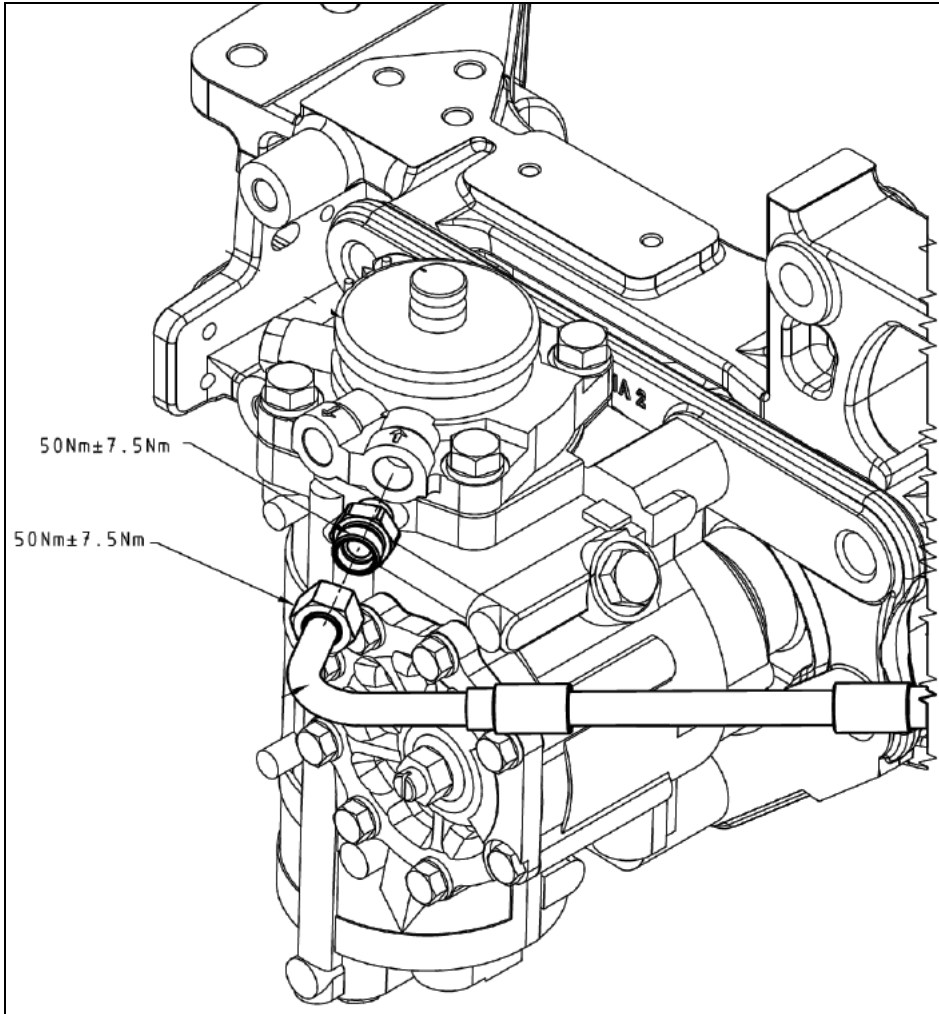
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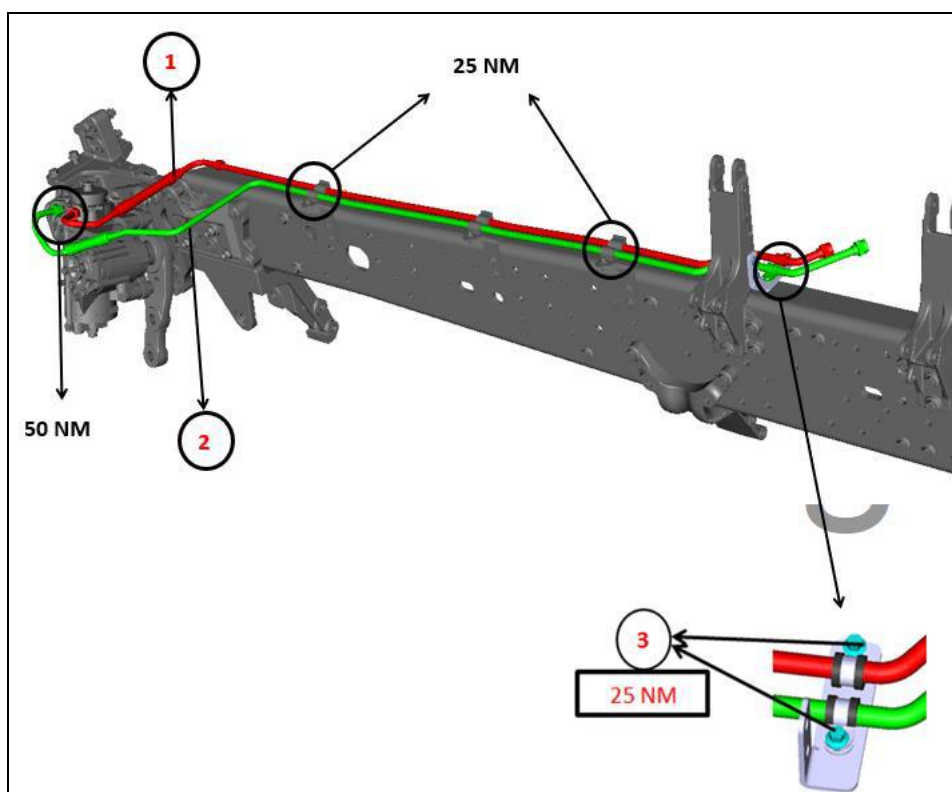
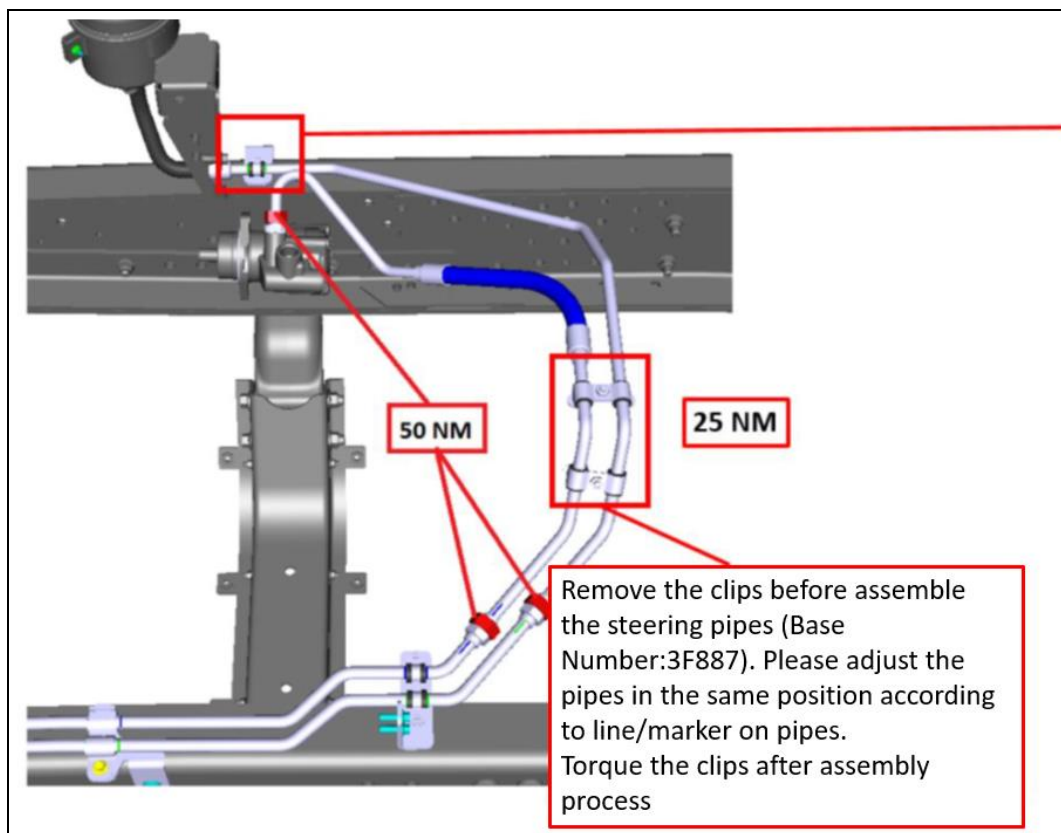
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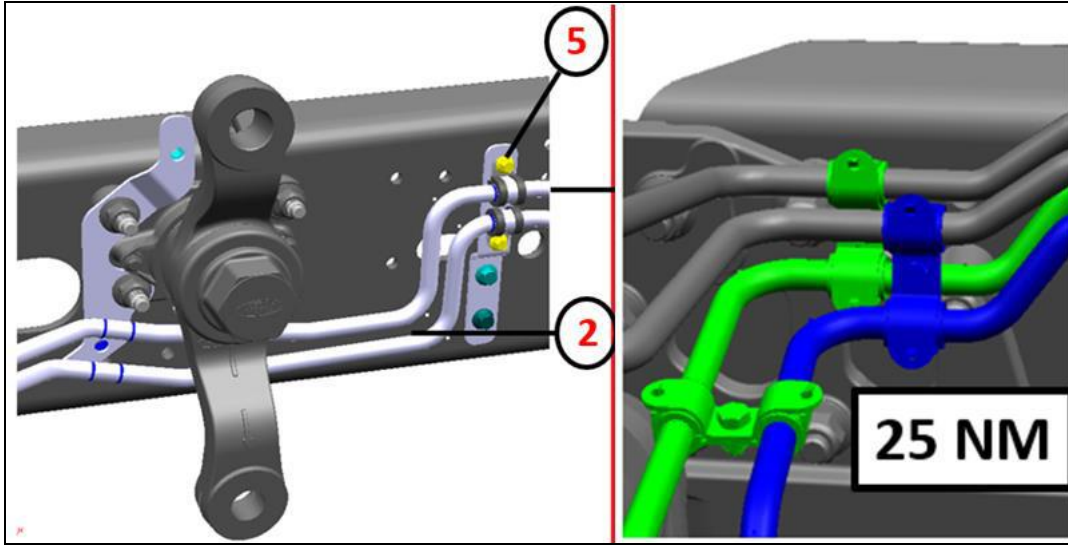
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Ford Trucks Service Engineering
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