

Bulletin Type.....: Service Campaign (S)

Bulletin No.....: TS-S119

Bulletin Name.....: Hydraulic Hoses Of Ras System

Bulletin Ref No.....: 700003335

NHTSA.....: 17V498

Release Date.....: 18.08.2017

Expiry Date.....: 18.08.2018

Vehicle Model.....: TS45

Fiat Rate Code.....: TSS119

Flat Rate Time.....: 180'

Subject: TS45 Tag Axle RAS system hydraulic hose replacement

Summary: This technical service bulletin gives instruction about how to replace the hydraulic hoses of TS45 tag axle RAS system

BulletinResponsible: Erkan DEDE

Publishedby&Approvedby: Hakan GÜNERDEM

Welding on the Chassis

- Always disconnect the batteries (starting with the negative lead).
- Disconnect the connectors of electrical and electronic equipment (electronic control units, sensors and actuators) if they are less than 2 meters away from the chassis part to be welded or the earth terminal of the welding equipment.
- The earth terminal should never be attached to vehicle components such as engine, axles and springs. Arcing on these parts is not permitted, because of the risk of damage to bearings, springs, etc.
- The earth terminal must make good contact and be placed as close as possible to the part to be welded.
- Plastic pipes, rubber parts and parabolic springs should be well protected against welding spatter and temperatures higher than 70°.

Service bulletin expiry dates differ according to service bulletin type.

Definitions

Release Date: As of this date the bulletin is released and available on E-Doc. Modification parts can be ordered. The time period between the release date and the effective date may vary according to the procurement lead time.

Effective Date: As of this date specified amount of the total modification parts will be available on Spare Parts Stock. Modification parts can be ordered and the application can be performed. (except non-compliance and safety related campaigns, i.e. S-Type Bulletin)

Part Order Deadline: Last order date for modification parts. The part orders which will be placed after this date should be approved by Regional Coordinator.

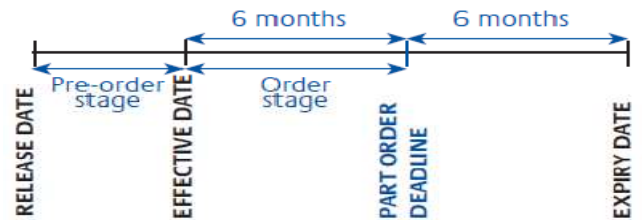
Expiry Date: Expiration date for the application.

Bulletin Types

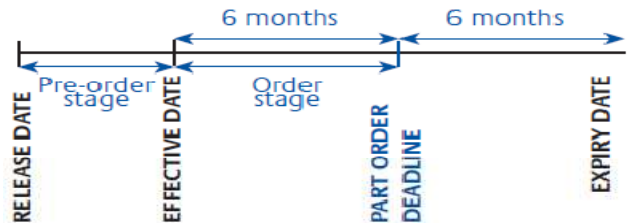
- **S-Type:** Application period of this bulletin is 18 months after the date of issue. S type bulletin is used for Recall Campaigns.



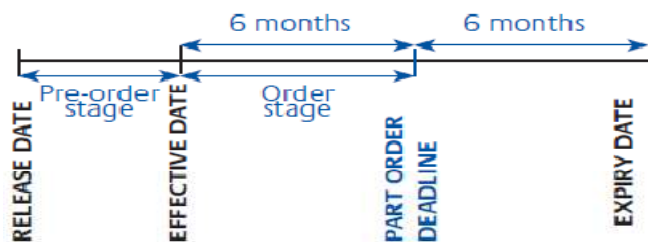
- **U-Type:** Application period of this bulletin is 12 months after the date of issue. U type bulletin is used for updates that need to be performed upon customer complaints.



- **C-Type:** Application period of this bulletin is 12 months after the date of issue. C type bulletin is generally used for supplying technical instructions or other type of information to service network.

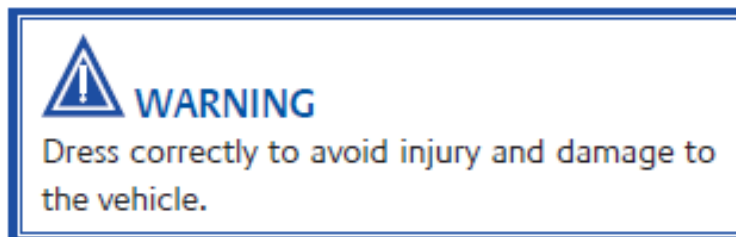


- **M-Type:** Application period of this bulletin is 12 months after the date of issue. M type bulletin is used for updates that should be implemented without waiting for customer complaints.



GENERAL PRECAUTIONS

1. Suggested Dress Code:






2. Before Starting the Work:

Always wear protective clothing. Do not wear any damaged or loose-fitting clothing and remove jewelry before starting the work. In case of long hair use hairnet. The illustration above shows some of the correct and incorrect clothing that should be worn during work. Sharp edges should be avoided e.g belts, watches, necklaces etc.




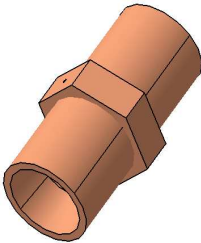
3. Interior materials protection:

Seats, trimming, upholstery stuff and carpeting should be protected with appropriate coverings.

Included Parts List

No	Part No	Part Name	PICTURE	Qty	Unit Of Measure
1	9630-32Y	STEERING SYS. HOSE		1	PIECE
2	9630-33Y	STEERING SYS. HOSE		1	PIECE
3	9630-34Y	STEERING SYS. HOSE		1	PIECE

Excluded Parts List

No	Part No	Part Name	PICTURE	Qty	Unit Of Measure
1	9630-04Y	STEERING SYS. HOSE		1	PIECE
2	9630-05Y	STEERING SYS. HOSE		1	PIECE
3	9630-06Y	STEERING SYS. HOSE		1	PIECE
4	61102-90000-25	STRAIGHT UNION		3	PIECE

Application:

- 1- Pull the vehicle to the pit or lift.
- 2- Figure-1 shows the working area and hoses with the red arrows which will be changed with the new ones.

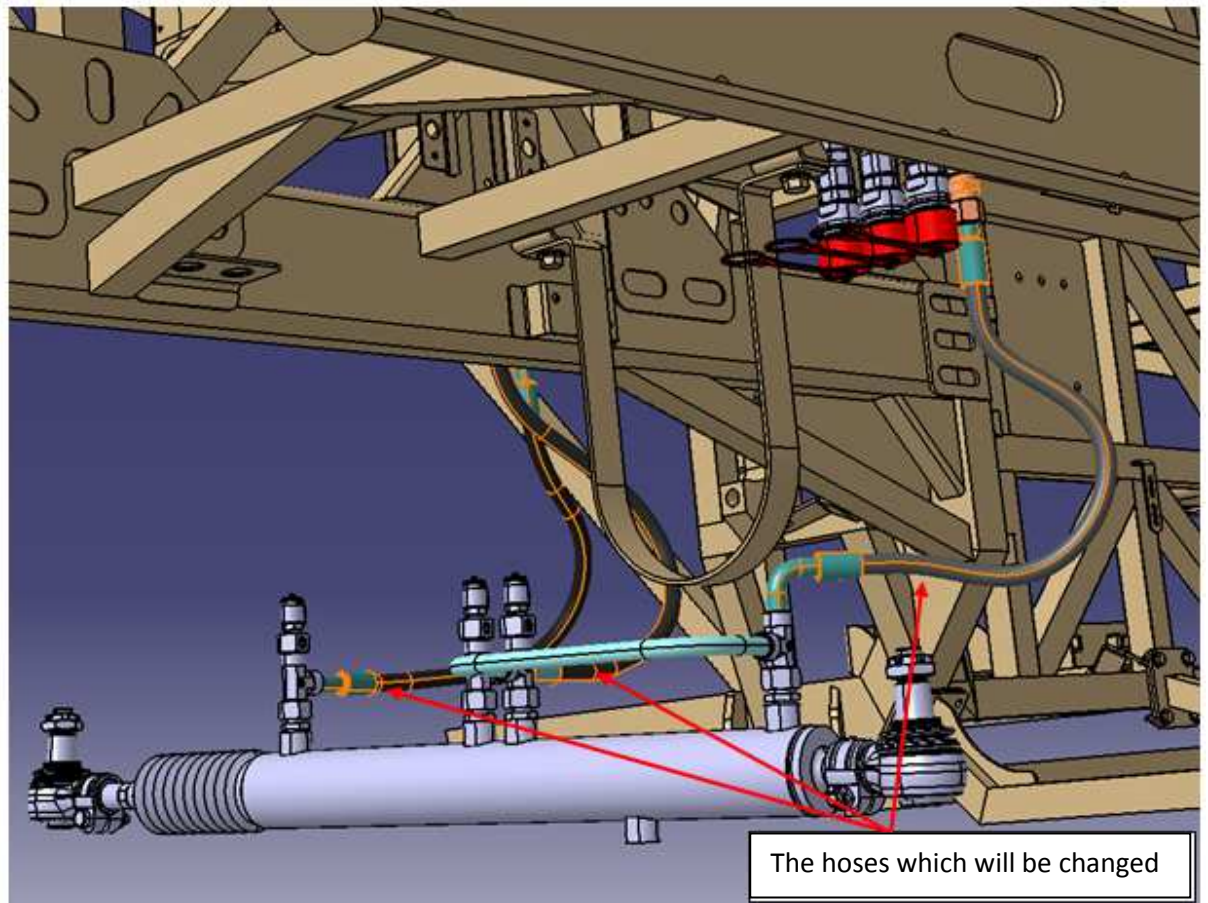


Figure-1

SERVICE BULLETIN

NOTE: The RAS System hydraulic line pressure is approximately 18 bar (261 Psi). In this regard, be careful when you work on the RAS system hydraulic line. Before starting the disassembly process, decrease the system pressure by using test point connectors which is marked with red arrows on Figure-2.

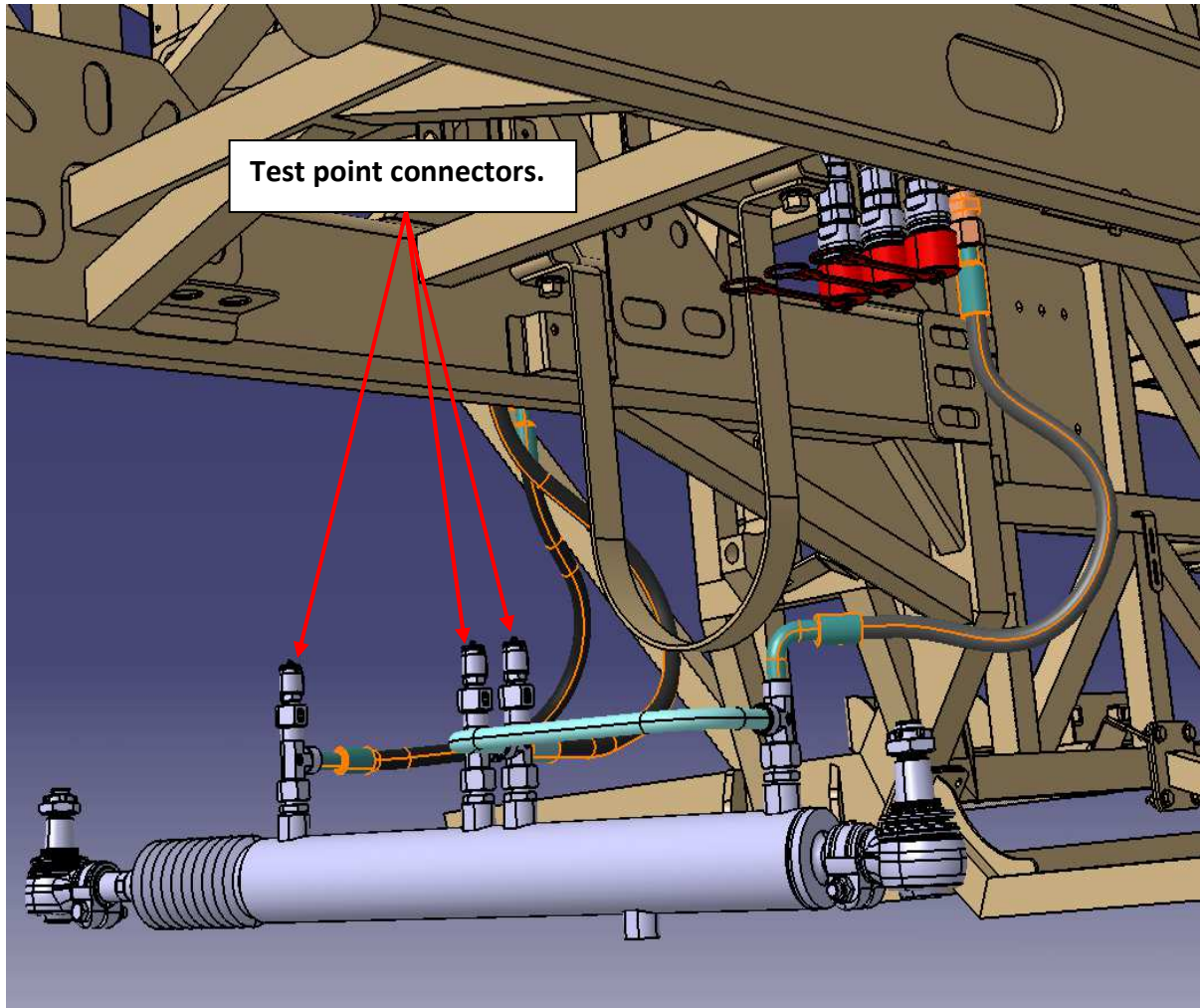


Figure-2

3. Dismount the 9630-06Y hose and 61102-90000-25 straight union then mount the 9630-34Y hose as replacement of these parts (see the Figure-3).

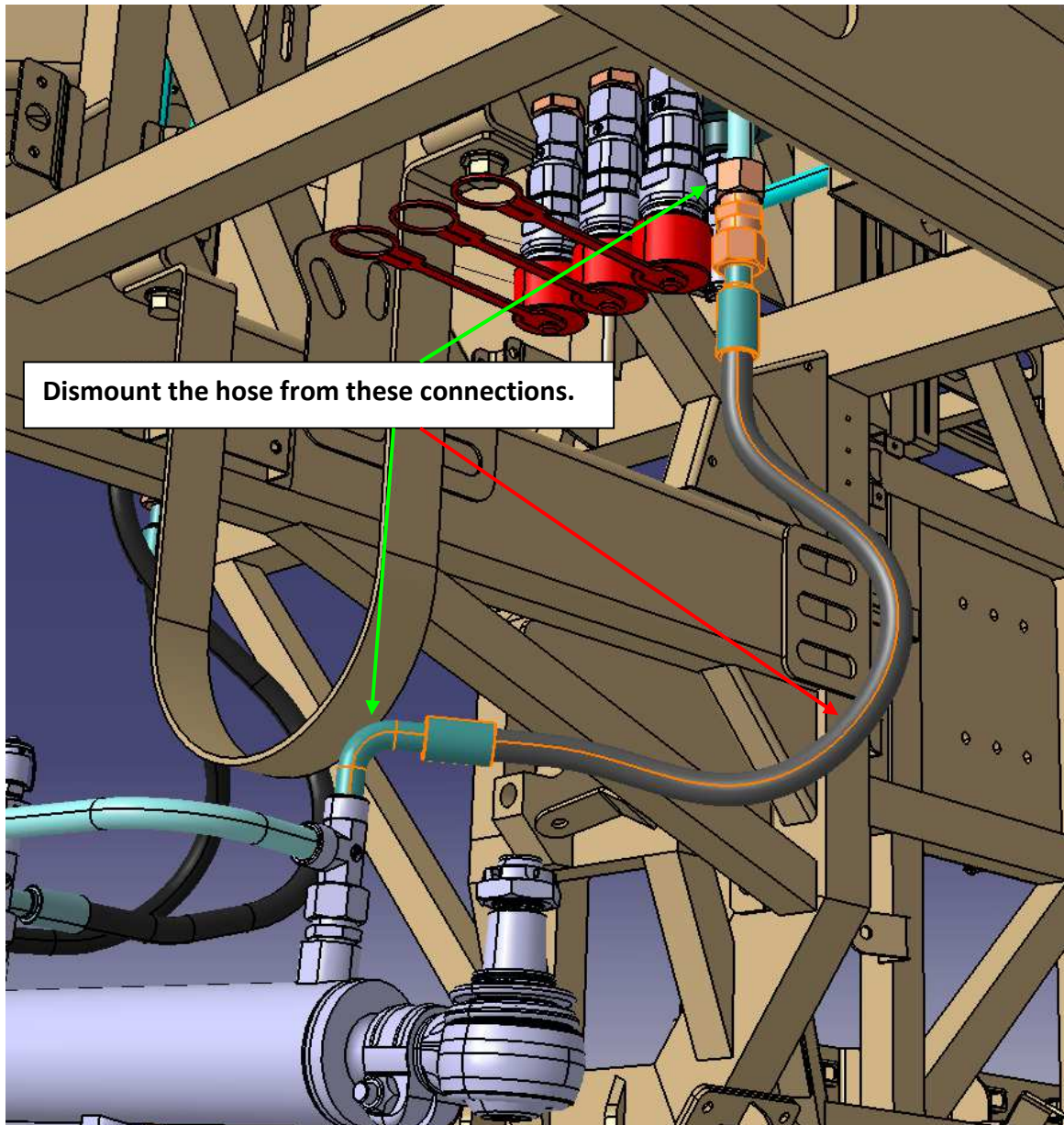


Figure-3

SERVICE BULLETIN

4. Dismount the 9630-04Y hose and 61102-90000-25 straight union then mount the 9630-32Y hose as replacement of these parts. (see the Figure-4)

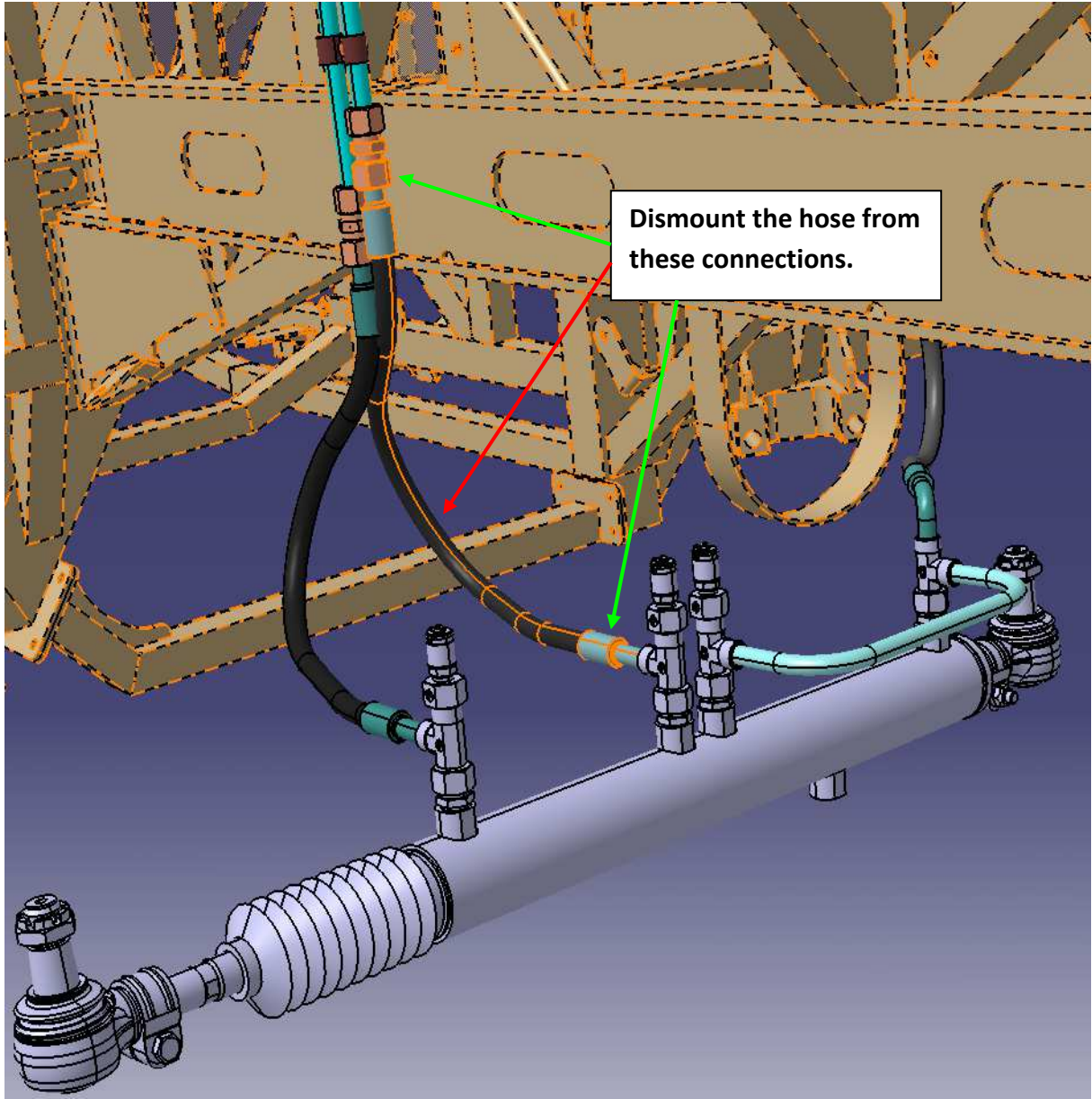


Figure-4

5. Dismount the 9630-05Y hose and 61102-90000-25 straight union then mount the 9630-33Y hose as replacement of these parts.(see the Figure-5)

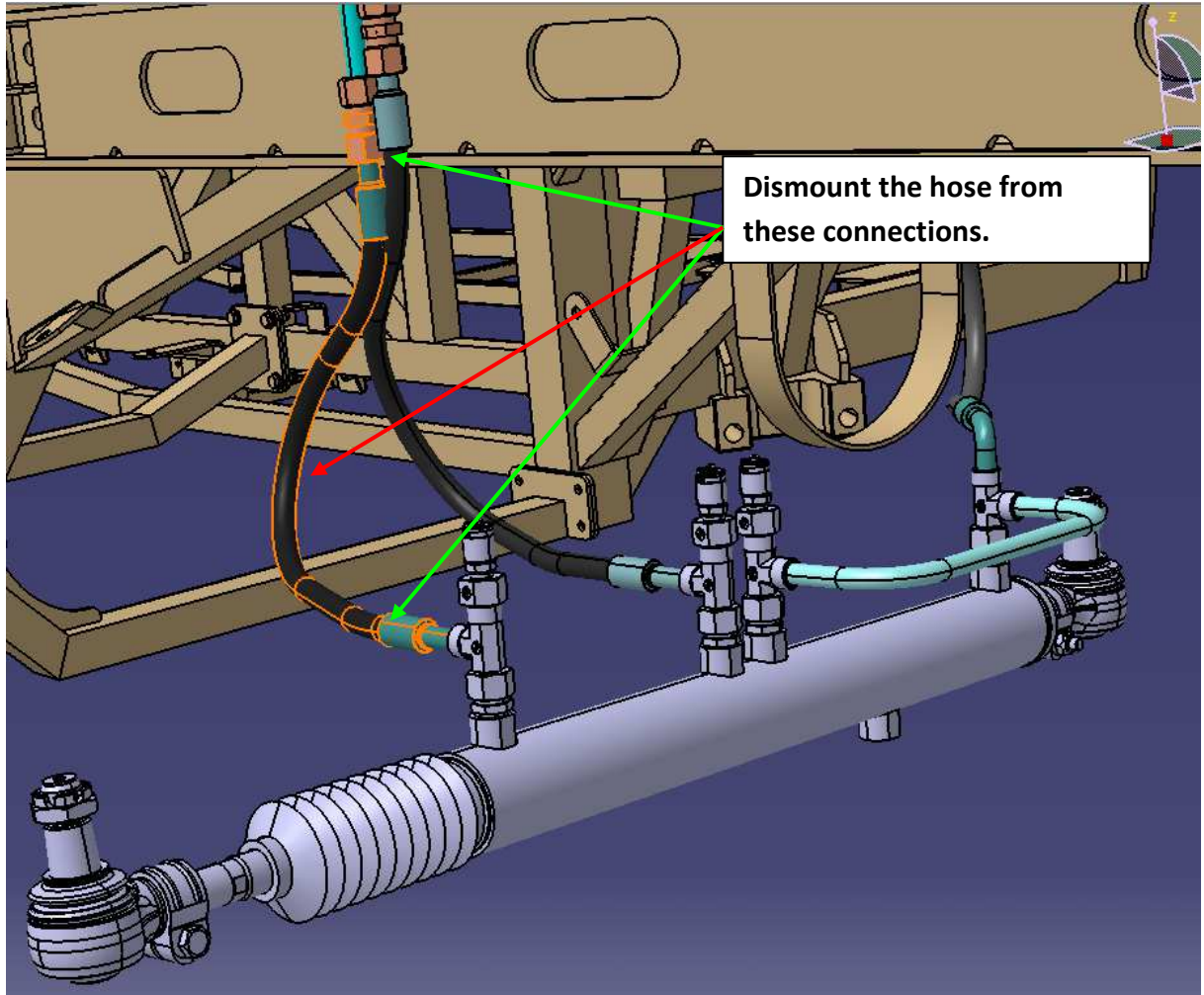


Figure-5

6. After the assembly process, check the connection of the hoses if there is any leakage. Refill the RAS system oil, which has 18 bar (261 Psi) working pressure, with suitable oil pump according to Appendix-1”.

“Appendix-1: RAS system bleeding procedure

RATE BREAK DOWN

Application	Time
1- Assembly preparation.	15
2- Dismount old hoses and mount the new hoses.	45
3- Refilling & Bleeding procedures. (According to Appendix-1)	120
Total Time	180