

SERVICE INSTRUCTIONS

REFERENCE: FSA202118

DATE: 01.10.2021

SUBJECT: Replacement of Compressor Flex Hose for 13LT Legacy Vehicles

FSA TYPE: Customer Notification

Introduction

FSA202118: In Specified of VIN List, Compressor Flex Hose (front) will be replaced.

Labour:

Labour	Labour Name	Duration
12C201 Q	Replacement of Flex Hose (Front)	0,65 hours

Parts:

Part Number	Part Description	Usage
MC46-2A165-AA	TUBE-BRAKE COMPRESSOR TO RESERVOIR	1

Service Application

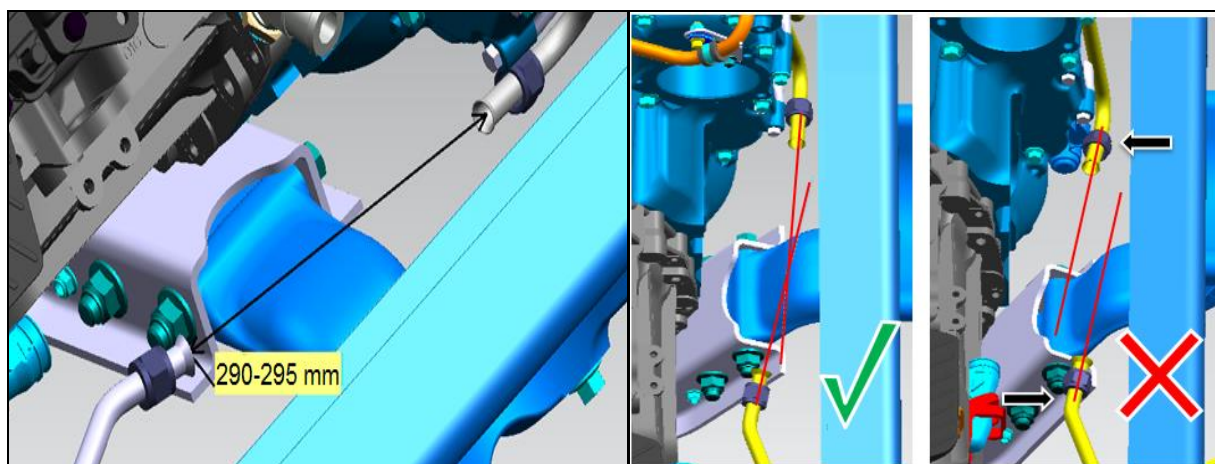
1- Metal flex hose should be removed which is on the vehicle.

2- Measurement of distance between 2 Counterbores

The **short** distance between the two counterbores causes the hose to be bended and stretched.

The **long** distance between the two counterbores causes the hose to be straight and stretched enough to not resist flexing.

For these reasons, the distance between the counterbores should be measured from the middle section of each counterbore (Picture 1). The distance between the two counterbore should be in the range of **290-295 mm**. (**Not more than 295 mm.**) The axis of the tips should be adjusted and brought to the **required measurement range**.



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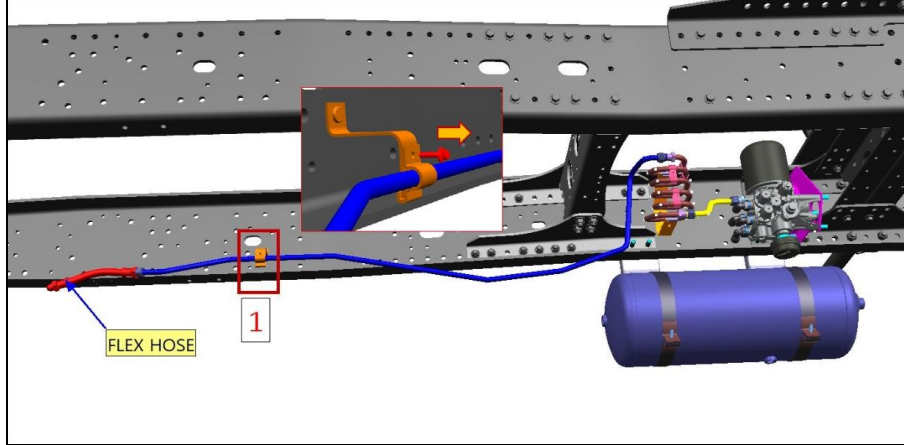
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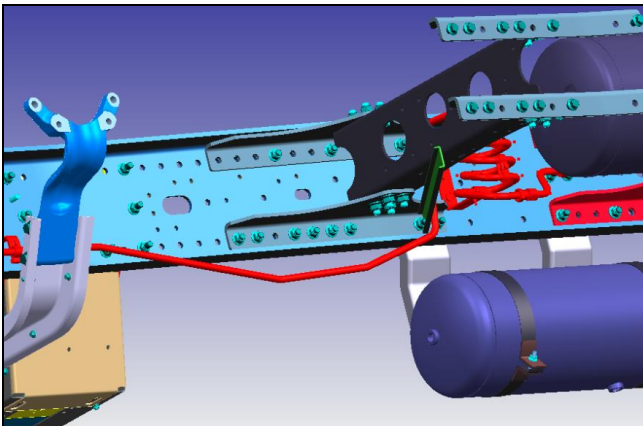
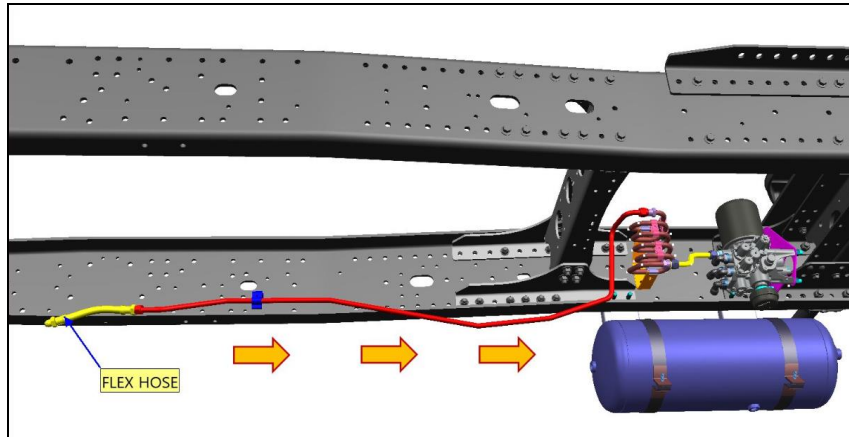
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3- Adjustment and Mounting of Pipe Set in Case of Insufficient Distance Between Counterbores

In order to bring the distance between 2 counterbores to 290-295mm; First of all, brackets (marked as red below picture) on the metal pipe should be loosened one by one and the pipe should be brought to a level that it can be moved backwards.



After loosening the relevant connections, the pipe assembly should be slid backwards with the help of a lever as in the picture below. It is necessary to slide until there is enough for the flex hose.



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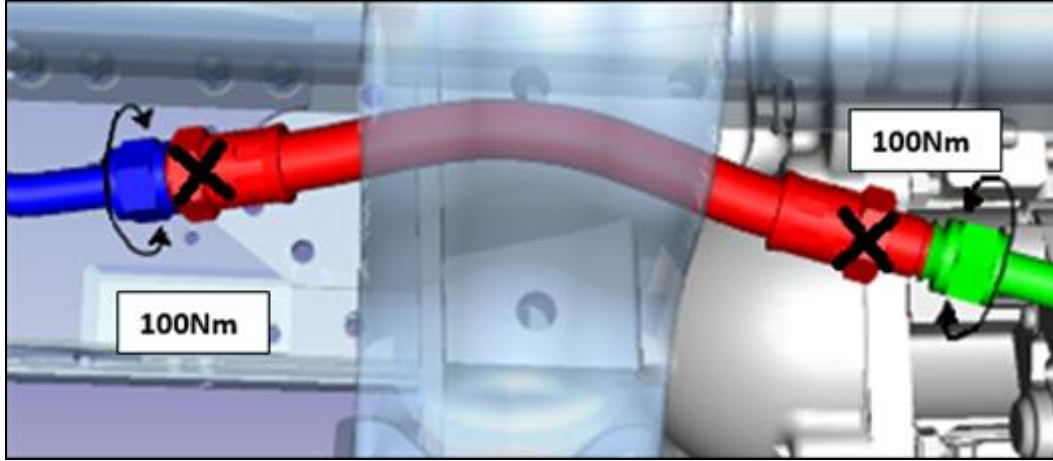
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After the sliding process, make sure that the distance between the two pipe ends which flex will be mounted is 290-295 mm and all brackets assembly should be completed by tightening the bolts to 10 Nm.

Warning: After pipe is slid with lever, no bolts or nuts should come into contact with the pipe. In long-term operations can damage the pipe.

4- Positioning and Installation of Flex Hose Between Pipes



After fix and straight the pipes on both ends of the rubber flex;

- First of all, the flex hose end which is difficult to access, should be tightened with the help of a double wrench without damaging the position of the metal pipe. (MC46-2A165-AA)
- Then, the other end of the flex should be kept with the help of a double wrench and the metal pipe union nut should be tightened. Please be sure that flex hose is mounted without twisting.

Tightening Torque : 100 Nm

- After assembly process flex hose must not be bended or twisted
- After service application, flex hose form should be as below picture.

