

SERVICE INSTRUCTIONS

REFERENCE: FSA202119

DATE: 06.09.2021

SUBJECT: Routing Change of Electrical Heated Urea Hoses

FSA TYPE: Next Service Visit

Introduction

FSA202119: In Specified VIN List, Electrical Heated Urea Hoses Routing change and protection sleeve addition will be implemented to avoid spring touch condition.

Labour:

Labour	Labour Name	Duration
25C039 A	Urea Hose Sleeve Addition (FSA202119)	0,3 hours

Parts:

Part Number	Part Description	Usage
4C46 2254 BA	Protection Sleeve	0,5 (Per/vehicle 40cm)
8C46 2D218 AA	Clamps	4



Note: 40 cm **4C46 2254 BA** is used for each vehicle.

This implementation will be applied to prevent the urea hoses damaged which is close spring due to tension and vibrations as in the image below. First of all, the existing clamps will be cut and the urea hose will be release to apply protection sleeve. After implementation of protection sleeve, urea hose is installed and fixed.



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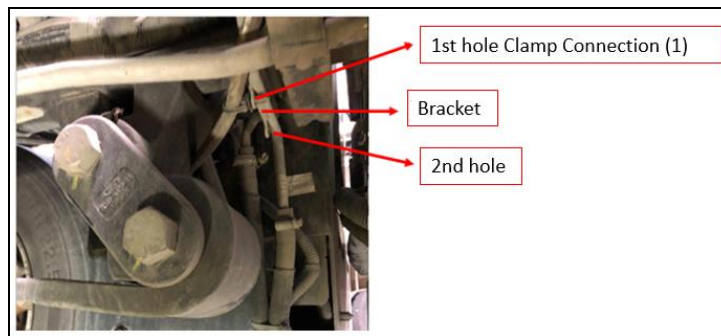
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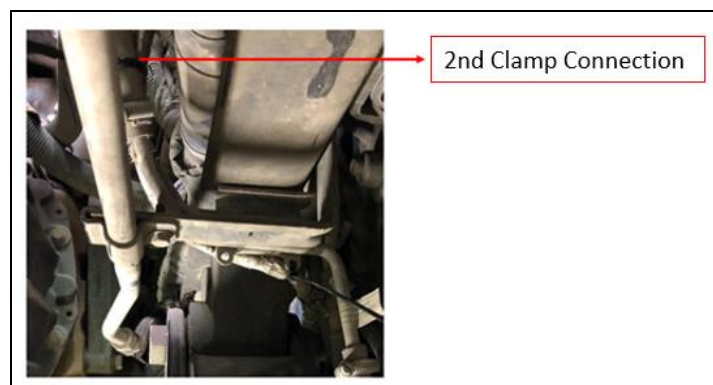
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Service Application

- 1- Please pay attention not to damage urea hose during clamp cutting operations.
- 2- The push-pin connection (clamp connection-1) currently in the 1st hole should be cut carefully.



- 3- The clamp connection (2)" that is used to fix the urea hose on the upper chassis, must be cut carefully.



- 3- The clamp connection (3) that is used to fix urea hose to hose bundle, must be cut carefully.



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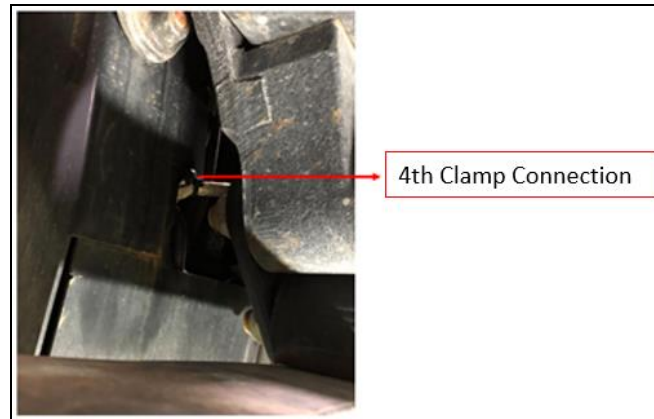
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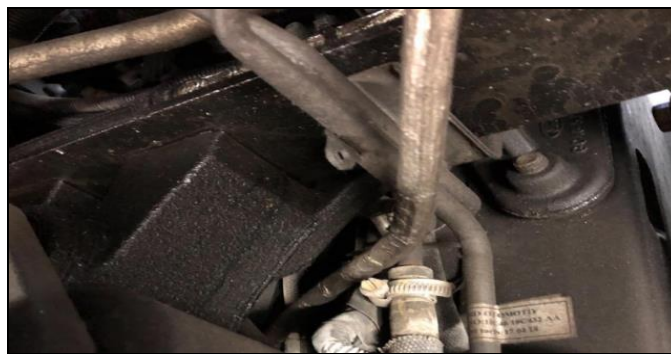
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4- The clamp connection that is used to fix urea hose to SCR cage, must be cut carefully.

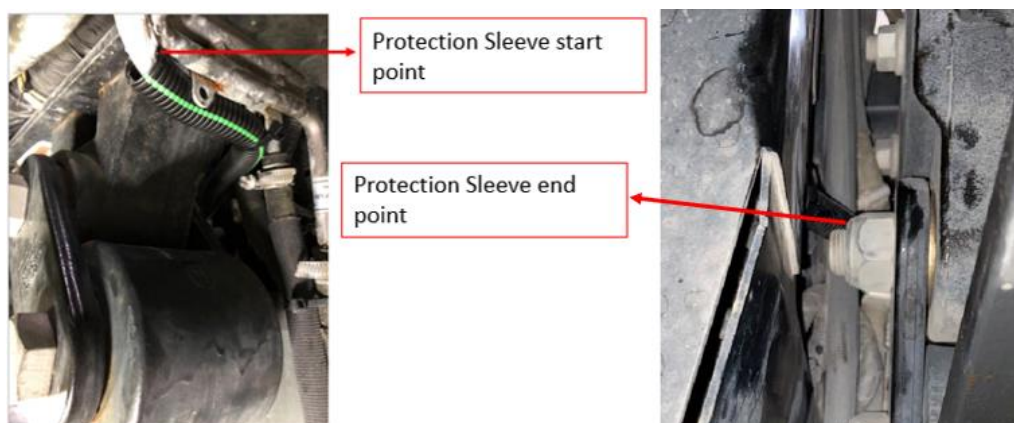


5- When the hose separated from the clamps and it's released, it should be pulled towards the relevant bracket and protection sleeve implementation should be applied.



6- The protection sleeve application should start from where the marked bracket ends in the chassis, and continue into the SCR cage, including the spring bracket bolt.

Note: The protection sleeve application **must** cover the corner point where the hose touches SCR cage.



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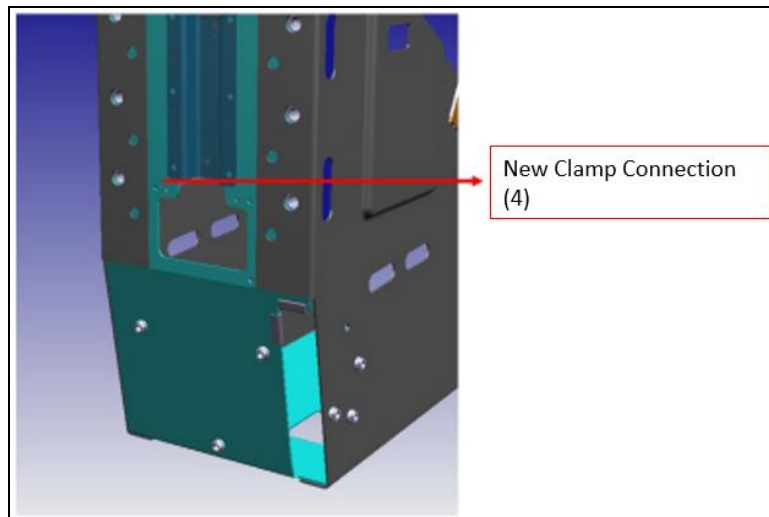
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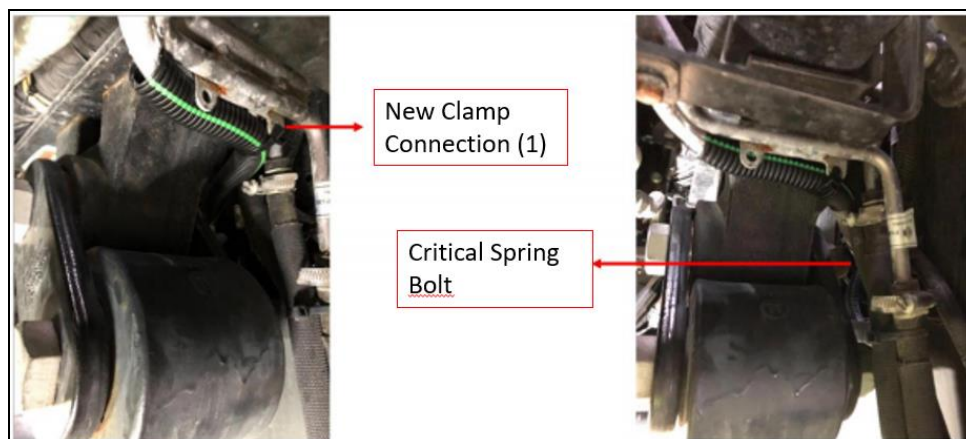
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7- Plastic clamping of “new clamp connection (4)” should be applied from the cut “clamp connection (4)” area on the cage. Before tightening the clamp, it is necessary to check that the **urea hose is not inside the cage**.



8- New clamp connection should be applied to 1st hole which is located on the bracket. Before tightening the clamp, it is necessary to check that the **urea hose is not inside the cage**.



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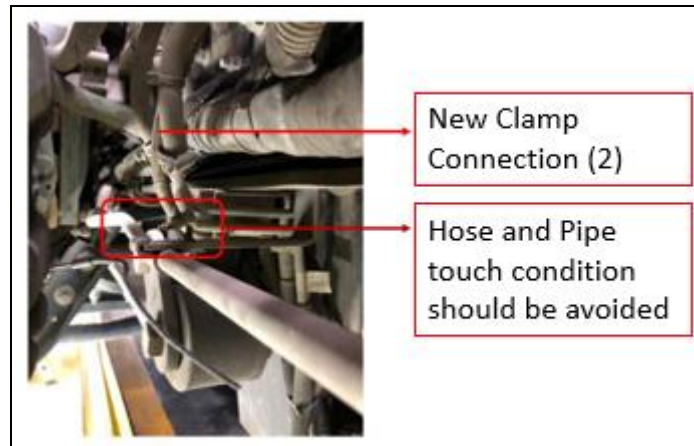
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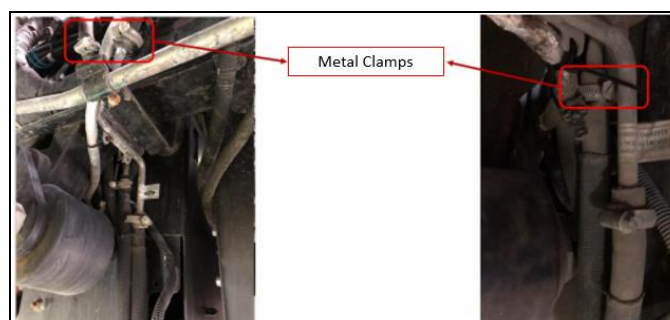
9- The contact of the hose, which comes from the bracket end area to the chassis, with the pipes **as shown below** should be avoided. Then, "new clamp connection (2)" should be applied to the cut "clamp connection (2)" area.



10- Instead of the "clamp connection (3)" which was cut from the junction area of the urea hose with the lines inside the frame, "new clamp connection (3)" should be applied.



Note: Please be sure that sharp ends of the metal clamps **as shown below picture** should be positioned as they do not touch the hose.



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11- When the service application is completed, the vehicle should be started and the leakage status of the relevant hoses should be observed to confirm that the hoses are not damaged.



View After Job Completion

Ford Trucks Service Engineering
Ford Otosan A.Ş