

SERVICE INSTRUCTIONS

REFERENCE: FSA202121

DATE:01.11.2021

SUBJECT: Replacement of Retarder Exchanger Cooling Hoses

FSA TYPE: Next Service Visit

Introduction

FSA202121A: In specified VIN list, Intarder Hoses will be replaced.

FSA202121B: In specified VIN list, Intarder Hoses will be replaced.

Labour:

Labour	Labour Name	Duration
12C127 H	Intarder Hose Replacement (FSA202121A)	1,5 hours
12C127 B	Intarder Hose Replacement (FSA202121B)	0,3 hours

12C127 B labour code is used for the vehicles which are affected by **FSA202115** and 'unperformed' status.

12C127 H labour code is used for the vehicles which are affected by **FSA202115** and 'performed' status.

Parts:

Part Number	Part Description	Usage
GC46 7H255 CD	Intarder Hose	2
W527490-S300	Hose Clamp	4

IMPORTANT NOTE: Parts will be available in Poland Warehouse to be ordered on the 5th of November.

Service Application

1- Open the front hood. Remove the cap of the expansion tank to allow ease of flow of the coolant.



SERVICE INSTRUCTIONS

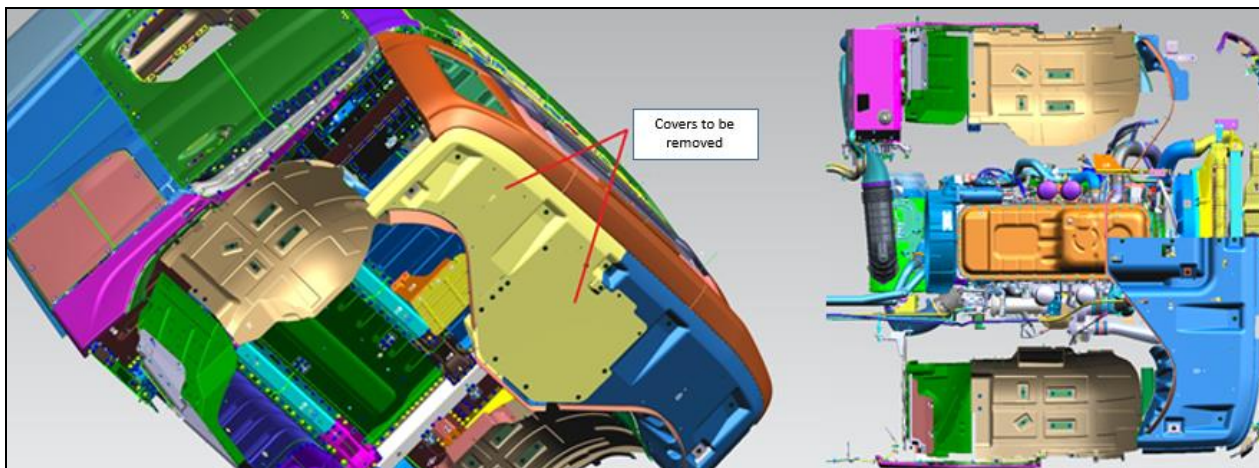
REFERENCE: FSA202121

DATE:01.11.2021

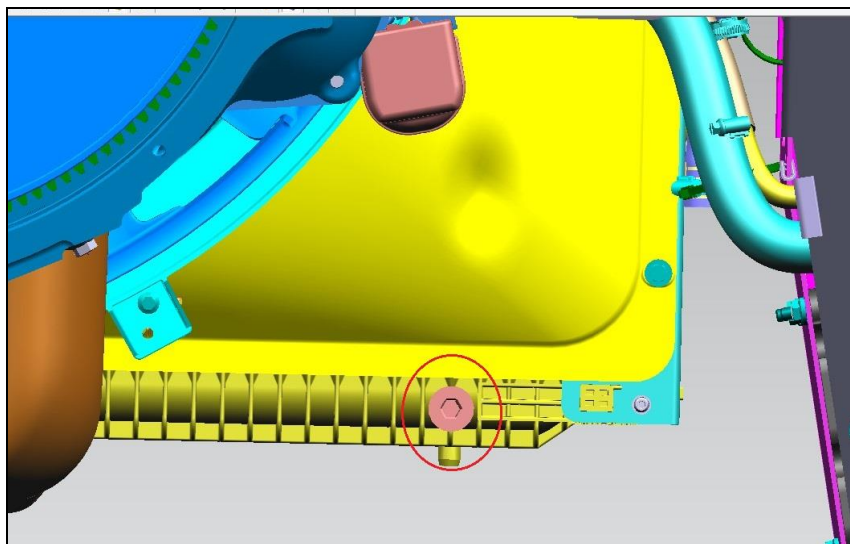
SUBJECT: Replacement of Retarder Exchanger Cooling Hoses

FSA TYPE: Next Service Visit

2- The Coolant shall be drained from the lower plug of the radiator. Remove the plastic covers on the right on the lower part of the vehicle in order to access the plug. 17 bolts specified in the figure below shall be removed for this purpose.



3- Remove the draining plug on the lower right side of the radiator with an M8 allen wrench. Drain the engine coolant to a clean container. The coolant removed from the vehicle shall be refilled at the end of the procedure.



SERVICE INSTRUCTIONS

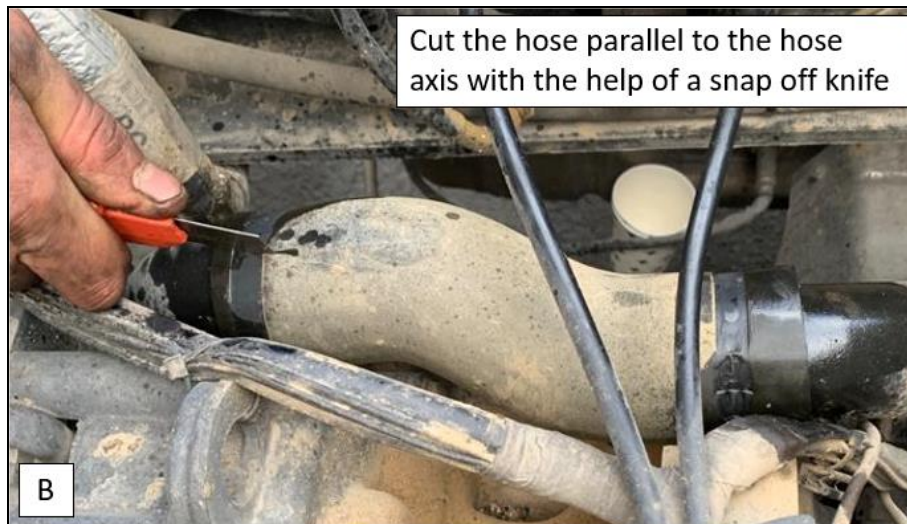
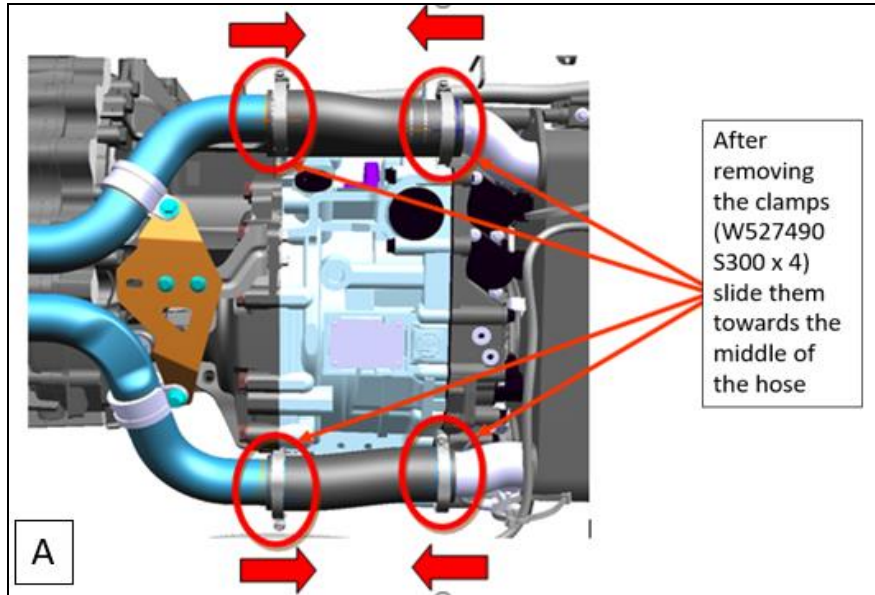
REFERENCE: FSA202121

DATE:01.11.2021

SUBJECT: Replacement of Retarder Exchanger Cooling Hoses

FSA TYPE: Next Service Visit

4- Please remove hose clamps (4 units x W527490-S300) which is located retarder exchanger hose's outlet and inlet side as mention **Figure A**. After removing the clamps, please cut the hose as given below **Figure B**.



SERVICE INSTRUCTIONS

REFERENCE: FSA202121

DATE:01.11.2021

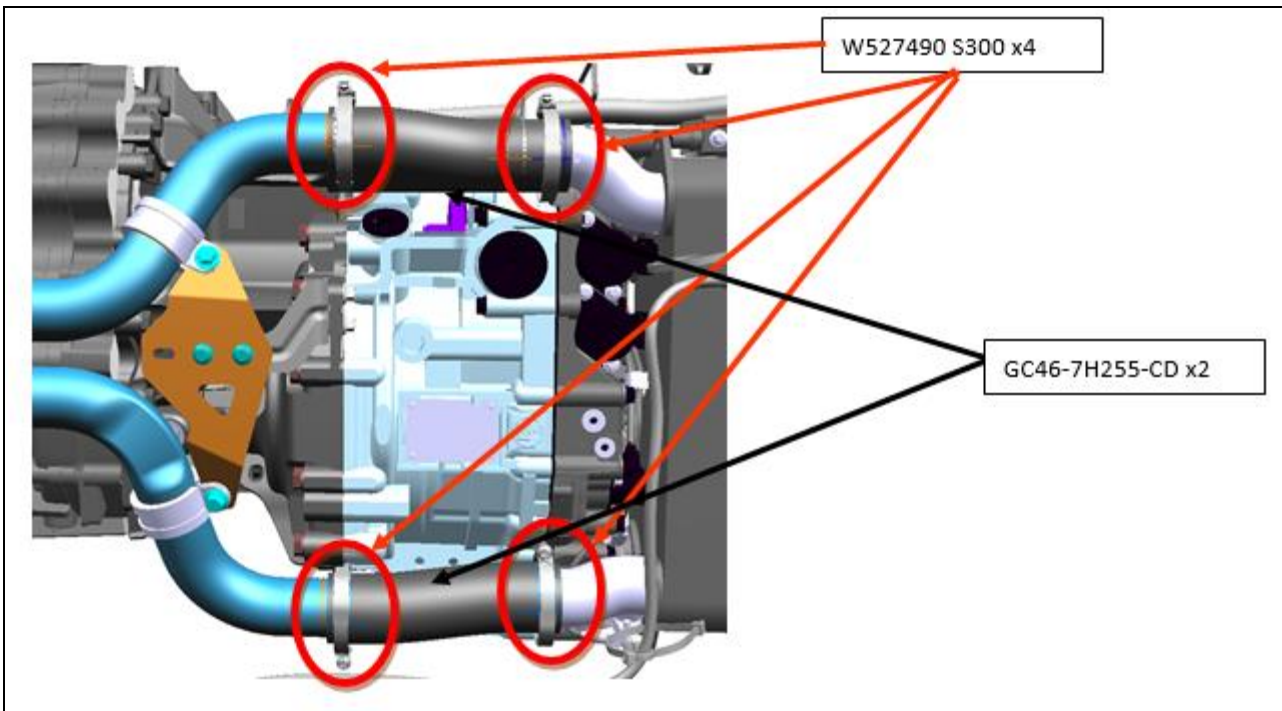
SUBJECT: Replacement of Retarder Exchanger Cooling Hoses

FSA TYPE: Next Service Visit

5- It is recommended to clean the rust-like staffs on the metal pipes and on the heat exchanger spigots with mineral oil or non-fuel base solvents.

6- While installing the rubber part, please **do not remove the brackets and do not move metal pipe** if it's not necessary.

7- New level hoses (**GC46-7H255-CD**) should be placed at the inlet and outlet of the retarder exchanger. Clamps should be torqued to **5.4Nm \pm 0.9** by positioning between the alignment marks on the hose and using a torquemeter.



8- Radiator Plug should be placed and torque to **4 \pm 1Nm**

9- Place the lower plastic covers to their locations and tighten 17 pieces of M8 bolts to **25 \pm 4Nm**.

SERVICE INSTRUCTIONS

REFERENCE: FSA202121

DATE:01.11.2021

SUBJECT: Replacement of Retarder Exchanger Cooling Hoses

FSA TYPE: Next Service Visit

10-Refill the coolant collected in a clean container to the vehicle through the expansion tank. Then, close the cap of the expansion tank.



11-Run the engine above the idling speed and wait until the thermostat turns on. You may understand that the thermostat is turned on from the vibration on the upper hose of the radiator or from the water flow inside the expansion tank. Run the vehicle for 10 more minutes after the start of the flow to ensure that the air inside the system is discharged. Check for leaks in the hoses. Switch the internal ventilation to the hot setting, and check if hot air is received.

12-Turn off the engine at the end of the operation. Check that the water level in the expansion tank is between min. and max. levels. If you are required to add coolant, add it with a ratio of 50% water and 50 antifreeze.

Ford Trucks Service Engineering
Ford Otosan A.Ş