Heavy Commercial Vehicles

Bulletin to be circulated to:	Service Manager	Warranty Manager	Parts Manager	Master Technician	Service Consultant	BMIS	
	✓	✓	✓	\checkmark	\checkmark	\checkmark	
Subject EG	bject EGR Cooler Cleaning Process						

Subject	EGR Cooler Cleaning Process
Variant	H625 H566 H476
Abstract	EGR Cooler Cleaning Process in Workshop

Required Parts / Equipment *

Part / Equipment Description	Photo	Quantity
Steel Washing Tank or Barrel		1
Electrical boiler		1
Thermometer		1
NaOH (Caustic Soda / Sodium hydroxide)		NA

* Required Parts / Equipment visuals which can be seen on the above table are example. Workshop can use the equivalent equipment.

<u>Labour</u>

Labour Code	Labour Name	Duration (hour)
25C010 B	EGR Cooler Cleaning (with NaOH - Part R/I not included)	2
232990HCDG	EGR Cooler R/I	2.2
25C010 FG	EGR Cooler Leakage Test	0.3

Service Procedure:

1. To determine whether there is an air leakage in the part, close both exits with plugs as shown in the "photo1" and verify that there is no leakage with pressurized air at 2 bar pressure.



Photo 1: Air Leakage Test

2. Take the part that passed the leak test and fill it into a tank filled with water. Heat the water to a temperature of 80-85 Celsius with the help of a electrical resistance boiler (Photo2) and leave the part in hot water for 5 hours.



Photo 2: Cooler in Water Tank

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3. Fix the EGR Cooler vertically and pour liquid caustic (NaOH) on it to allow the residue to flow down to the ground due to gravity for 30 minutes like shown in "Photo 3". Flip the part over and repeat the same process in the opposite direction.



Photo 3: EGR Cooler Cleaning with NaOH

4. Reply "Step 2 & Step 3" again and rinse the EGR Cooler with water and dry it with air. After drying, perform the leakage test again as described in "Step 1". If there is no leakage observed and there is no blockage in the cooler tubes, you can end the process and use the EGR Cooler in vehicles.

 \triangle The waste liquids after the cleaning process must be stored or disposed according to local regulations.

Regards, Ford Trucks Service Engineering Ford Otomotiv San. A.Ş