

## Safety Recommendations:

- Safety glasses and gloves should be worn during the service.
- Keep loose clothing and/or tools secured while the engine is running.
- Use in well-ventilated area.

PSK54083

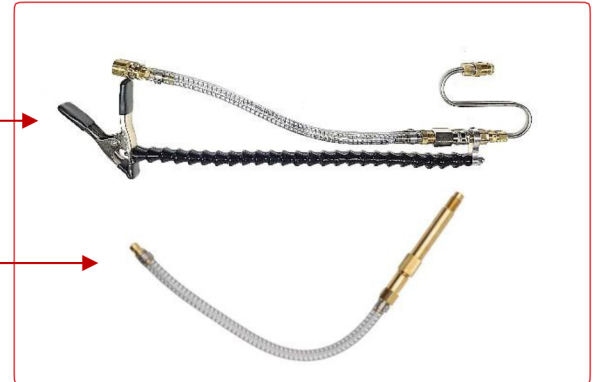


## Adapters Required for Diesel Induction & EGR Service:

#**EGR908** – Diesel Induction ‘S’ Nozzle

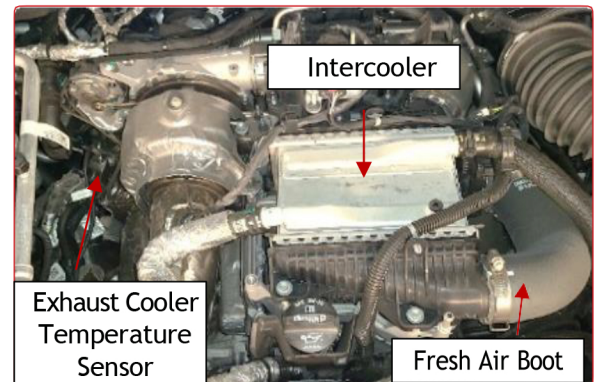
#**ZW21006** – GM 6.6L Duramax Exhaust Adapter

#**ZW21001** – EGR Manifold Assembly



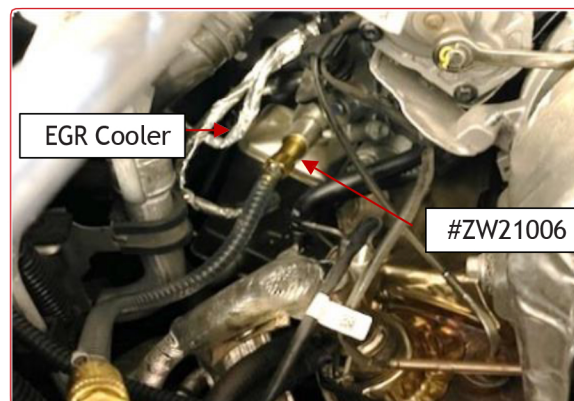
## Preparing the vehicle:

- Remove the top cover on the engine to expose the turbo intercooler.
- EGR908 Diesel Induction “S” Nozzle will be installed on the right side in front of the throttle body after the fresh air boot has been removed from the intercooler.
- ZW21006 GM Duramax 6.6L Exhaust Adapter will be installed in the outlet temperature probe on the left side.



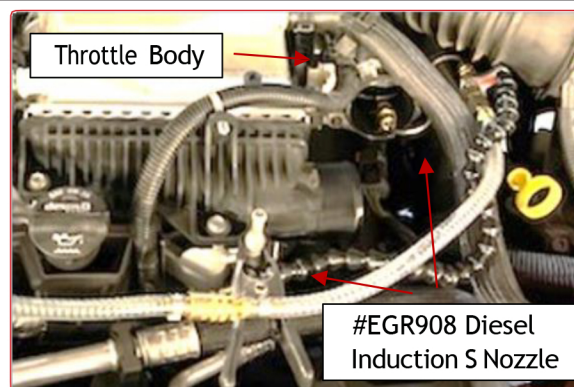
## Preparing the Diesel Induction & EGR Tool:

- Remove the exit exhaust temperature probe from the EGR cooler. Disconnect the electrical wire before loosening/removing the temperature probe.
- Insert ZW21006 GM Duramax 6.6L Exhaust Adapter into the temperature port. Only short section of the adapter is required.
- Attach ZW21006 GM Duramax 6.6L Exhaust Adapter to the ZW21001 EGR Manifold Assembly.
- Use a scan tool to set the EGR valve to the closed position. It will normally remain closed during idle for the exhaust side.



## Preparing the vehicle (continued):

- Remove the fresh air boot from the throttle body and intercooler.
- Attach EGR908 Diesel Induction S Nozzle in front of the throttle body. Clamp the flexible arm to hold the S nozzle in position.
- Attach EGR908 Diesel Induction S Nozzle to ZW21001 EGR Manifold Assembly.



## Preparing the Diesel Induction & EGR Service Tool:

- Ensure the EGR64 Diesel Induction and EGR Service tool is depressurized, remove fill cap, and fill with **Dynamic Diesel Extreme IE Cleanup PSK54083**. Unless the cooler is frequently cleaned, two (2) 32oz. (950 ml) bottles are recommended.
- Reinstall the fill cap and hang the tool from the hood latch. Ensure both valves on the tool are closed and EGR Manifold Assembly is positioned to "OFF".
- Attach shop air and set pressure on EGR tool to 50-60 psi.



## Performing the Diesel Induction & EGR Service (continued):

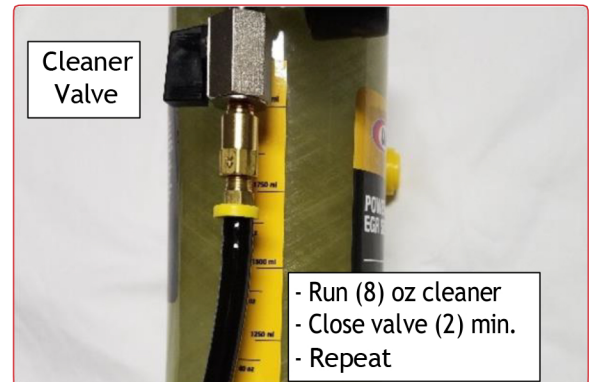
- If the engine is hot, EGR cooler should be cooled before starting the service. With engine off and manifold turned to "EXHAUST", open air valve (on regulator side) and allow air to flow through the cooler for 2 minutes.
- Close air valve & return manifold to "OFF" position.





## Performing the Diesel Induction & EGR Service (continued):

- Set the EGR Manifold Assembly to “EXHAUST”.
- Open the air valve (regulator side) and re-set the regulator to 50-60 psi.
- Open the fluid/cleaner valve (pressure gauge side) and allow the cleaner to flow through the cooler until 8 oz (250 ml) has been consumed.
- Shut off the fluid/cleaner valve and allow air flow through the cooler for (2) minutes to evacuate loose deposits/liquids into the exhaust. Repeat until half the product has been consumed.



## Performing the Diesel Induction & EGR Service (continued):

- Set the EGR Manifold Assembly to “INTAKE” and open the fluid/cleaner valve (pressure gauge side). Continue the service until all fluid/cleaner has been consumed. Run at 1500 RPMs for best service.

**CAUTION:** If the engine begins knocking or making concerning noise at any time during the “INTAKE” service, turn the EGR Manifold Assembly to “OFF” for 2 minutes to allow all the fluid to evacuate the engine. Turn the EGR Manifold Assembly to “INTAKE” and continue the service.



## Performing the Diesel Induction & EGR Service (continued):

- The S nozzle tip should be positioned in front of the throttle body so that all of the spray pattern is flowing through the throttle body into the induction system.
- Let the vehicle run for 5-10 minutes after all of the fluid/cleaner has been consumed. Rev the engine several times to help clear any remaining deposits/fluid.
- Turn the fluid and air valves off, rotate pressure regulator to 0 psi and disconnect the shop air. Turn the vehicle off.



## Completing the Diesel Induction & EGR Service:

- Remove the Diesel Induction and EGR Service Tool, EGR Manifold Assembly, and EGR adapters, and re-install the temperature probe and reconnect electrical wire.
- Road test the vehicle to ensure all carbon and cleaner has been fully evacuated. After return, check and erase any engine codes set during the service. If equipped with DPF a manual regeneration may be required to clear any accumulated carbon evacuated by the service.