AFFINITY
Engineering Group

DODGE CUMMINS 6.7 L (2019+) DIESEL INDUCTION & EGR SERVICE

For Support or Questions
Please Contact (833) 364-5932

EGR64

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.

Adapters Required for Diesel Induction & EGR Service:

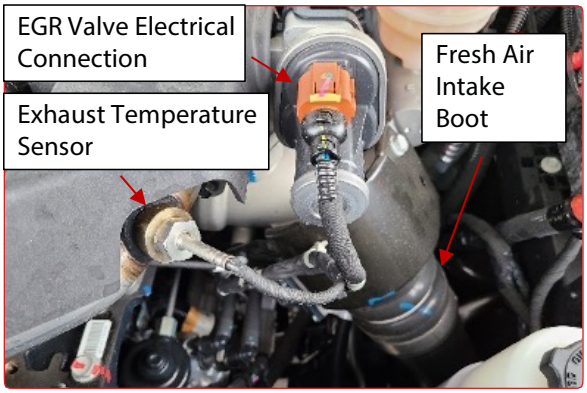
#EGR908 – Diesel Induction 'S' Nozzle

#ZW21003 – Ford 6.4L Power Stroke/GM Duramax 6.6L 'L5P'/Dodge Cummins 6.7L Exhaust

#ZW21001 – EGR Manifold Assembly

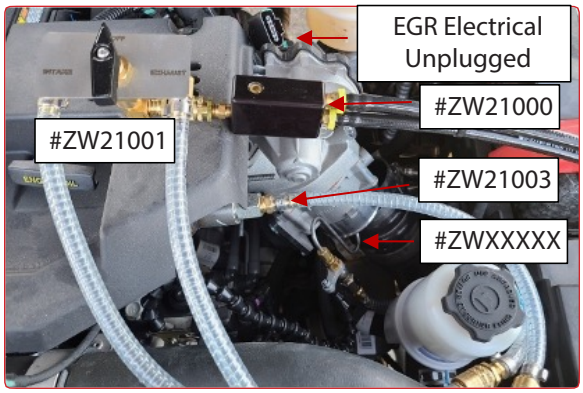
Preparing the vehicle:

- Remove the exhaust temperature sensor in the cross-over tube. Be careful not to damage the sensor wiring as it is rotated.
- Disconnect the EGR valve electrical connection so the EGR valve will remain closed during the service.
- Loosen the fresh air intake boot clamp and slide the end of the hose to the side, allowing the Diesel Induction 'S' Nozzle to be installed.



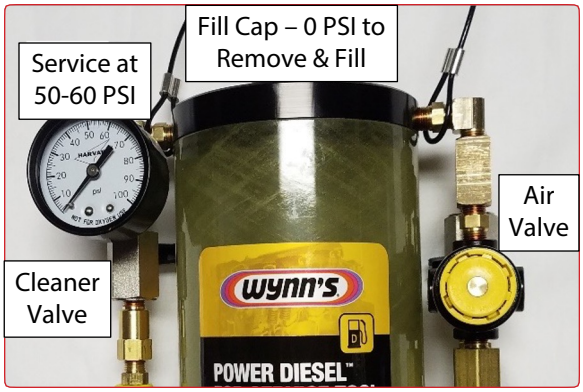
Preparing the vehicle (continued):

- Install EGR908 Diesel Induction 'S' Nozzle into fresh air intake and secure position with the flex arm & clamp.
- Install the ZW21003 exhaust adapter into the exhaust temperature sensor port.
- Connect ZW21003 to the Exhaust side and EGR908 to the Intake side of ZW21001 EGR Manifold Assembly.
- Connection ZW21001 EGR Manifold to the EGR64 Diesel Induction and EGR Service Tool.



Preparing the Diesel Induction & EGR Tool:

- Ensure Power Diesel Induction and EGR Service Tool is depressurized, remove fill cap, and fill with Wynn's Power Diesel™ Induction and EGR Cleaner (#71032). Unless the system is frequently cleaned, two (2) 32 oz. (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.

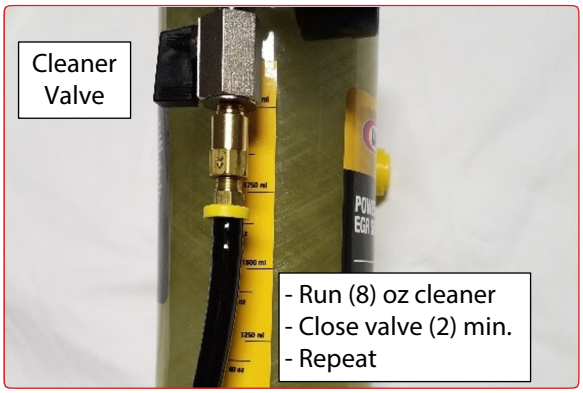


Performing the Diesel Induction & EGR Service:

- 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 to 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 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):

- 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 attach the EGR valve electrical connector.
- 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.

Optional Intake Service Adapter:

- Some pickup models have a MAP sensor on the back side of the fresh air entrance on the intake. If that is available, an alternative adapter ZW21007 GM 6.6L Intake Adapter can be installed in the MAP sensor port and used to service the intake side of the engine. The service process is run as noted above. The adapter can not be used on "cab chassis" models, which may not have a MAP sensor in the same location.