



FORD 6.7L POWER STROKE DIESEL EGR SERVICE JOB AID

Technical Support: 833-364-5932

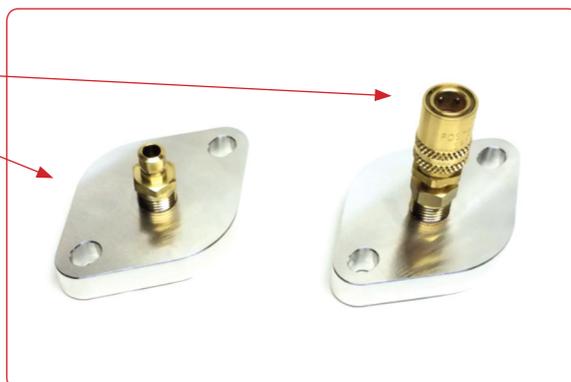
Safety Recommendations:

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



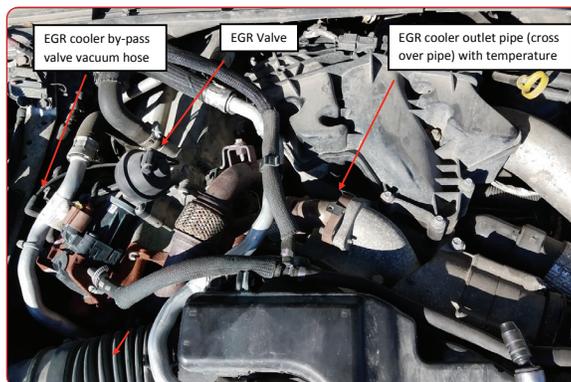
Adapters Required for Diesel EGR Service:

- #ZW21004 - Ford 6.7L Power Stroke Intake Adapter
- #ZW21005 - Ford 6.7L Power Stroke Exhaust Adapter
- #ZW21001 - EGR Manifold Assembly.



Preparing the Vehicle:

- Remove cross-over pipe between cooler exit and intake entrance, 2 bolts per flange. Set cross-over pipe aside, leaving sensor in the pipe.



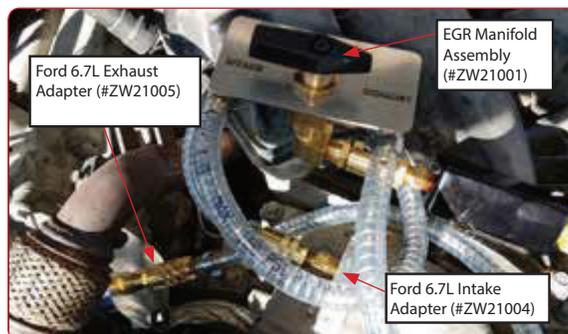


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Preparing the Vehicle (continued):

- Install Ford 6.7L Power Stroke Intake adapter (#ZW21004) and Ford 6.7L Power Stroke Exhaust adapter (#ZW21005) adapter flanges. Be sure to install each to their specific location after the cross-over pipe is removed.
- Attach EGR Manifold Assembly (#ZW21001) to the EGR adapters (#ZW21004 and #ZW21005). Attach the EGR manifold to the Wynn's Power Diesel™ Induction & EGR Service Tool (#ZW21000).
- Add tank additive to the vehicle's tank.



Preparing the Wynn's Power Diesel™ Induction & EGR Service Tool:

- Insure Wynn's Power Diesel™ Induction & EGR Service Tool is depressurized, remove fill cap and fill with Wynn's Power Diesel™ Induction & EGR Cleaner (#71032). Unless the cooler is frequently cleaned, two (2) 32 oz. (950 ml) bottles are recommended.
- Reinstall the fill cap and hang the tool from the hood latch. Insure 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.

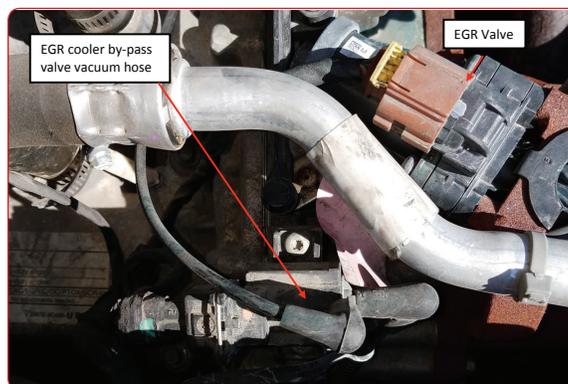


Performing the Diesel EGR Service:

- 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.

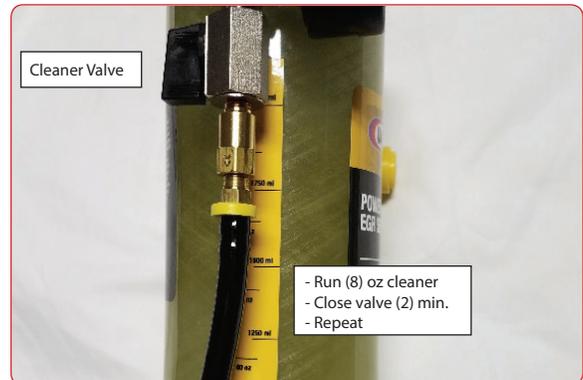


- Start the vehicle engine and use the scan tool to command the EGR valve to "Open". Disconnect the EGR cooler by-pass valve vacuum line to close the EGR by-pass valve, allowing back pressure from the tool to flow through the cooler and out the exhaust.
- Set the EGR Manifold Assembly to "EXHAUST".
- Open the air valve (regulator side) and re-set the regulator to 50-60 psi.



Performing the Diesel EGR Service (continued):

- 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.



- 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 RPM's 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.*

- 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 EGR Service:

- Remove the Wynn's Power Diesel™ Induction & EGR Service Tool, EGR Manifold Assembly and EGR adapters. Re-install the EGR cross-over pipe and connect EGR By-Pass Valve vacuum line.
- Road test the vehicle to insure 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.