GM DURAMAX 6.6L "LML" INDUCTION & EGR SERVICE (2011-2016)

For Support or Questions Please Contact
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 Induction Service:

- **#ZW21007** – GM Duramax 6.6L Intake Adapter
- **#AS21012** – GM Duramax 6.6 Exhaust Adapter
- **#ZW21001** – EGR Manifold Assembly

NOTE: ***The EGR cooler outlet temperature sensor on the LML was moved to the outlet side of the EGR valve...compared to the LMM, so both the MAP sensor port and outlet Temperature sensor port flow directly into the engine intake. Either sensor can be used to perform an Induction Service.***

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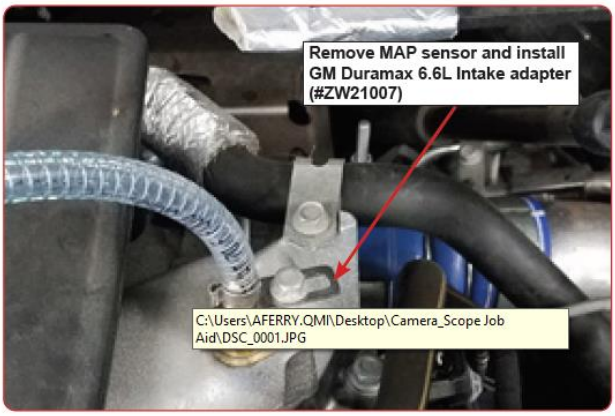
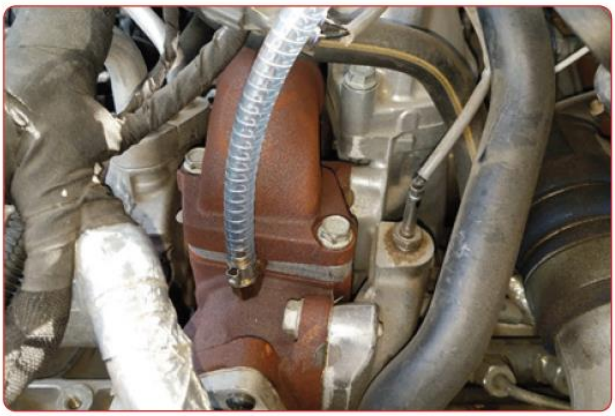
Preparing the Vehicle:

- Remove the MAP sensor and install GM Duramax 6.6L Intake Adapter (#ZW21007) on the intake manifold. Connect to "INTAKE" side of EGR Manifold Assembly (#ZW21001).



Preparing the Vehicle (continued):

- Remove (2) bolts on the exhaust line on top of the EGR valve, lift the top flange slightly and install GM Duramax 6.6L Exhaust Adapter (#AS21012) between flange and EGR valve. Insure cleaner outlet is positioned on the bottom to direct cleaner through the cooler. Position the flange gasket below the adapter. Install bolts and tighten to secure adapter during the service.
- Connect adapter to the "EXHAUST" side of the EGR Manifold Assembly (#ZW21001).
- Add tank additive to vehicle's fuel tank.



Preparing the vehicle (continued):

- Locate the EGR valve and disconnect the electrical connector so the EGR valve remains closed during the "exhaust" service to force cleaner back through the exhaust cooler.
- Connect and disconnect the EGR valve electrical connector briefly several times during the exhaust service to allow cleaner to run through the EGR valve into the intake to clean the EGR valve.

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Preparing the vehicle (continued):

- Locate the EGR by-pass valve on the passenger side near the firewall. Disconnect the EGR by-pass valve to close the by-pass, allowing cleaner to flow from the exhaust adapters ZW21012 back through the cooler and to the exhaust.

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) 32oz. (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 connected and 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.
- To being the service, start the engine and run at idle until the engine reaches normal operating temperature before starting the cleaning service.

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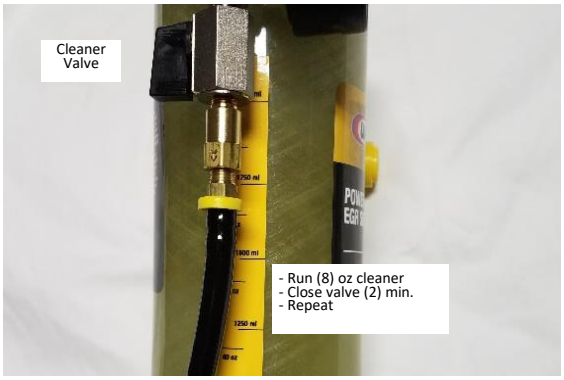
Performing the Diesel Induction & EGR Service (continued):

- 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 every 8 oz (250 ml) until half the product has been consumed. Be sure to allow (2) minutes air flow before switching to the induction side.



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 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.

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. Re-install the MAP sensor, EGR valve and by-pass valve electrical connectors.
- Road test the vehicle to insure all soot 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 soot evacuated by the service.
- If engine has not been serviced and has significant deposits, the service may need to be repeated to more fully remove deposits. For best results, repeat cleaning service every 15,000 miles.

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