



GM DURAMAX 6.6L DIESEL INDUCTION SERVICE JOB AID (BEFORE 2008)

Technical Service: 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.

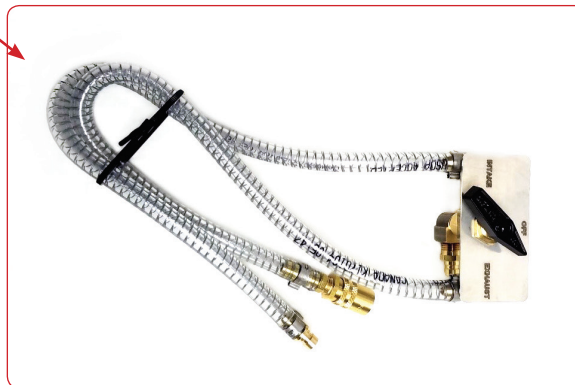


Adapters Required for Diesel Induction Service:

- #ZW21007 - GM Duramax 6.6L Intake Adapter
- #ZW21001 - EGR Manifold Assembly



NOTE: Prior to 2008, GM Duramax 6.6L either did not have a EGR cooler or had a cooler without a connection to allow cleaning. An induction service can be performed through the MAP sensor port, if accessible. The earlier models such as LB7 have a different MAP sensor bracket. The adapter may need to be manually held in position. Alternate adapter is available that will more firmly hold the adapter in position.



Preparing the Vehicle:

- Remove MAP sensor bracket (if used) and remove MAP Sensor and set it aside.
- Install GM Duramax 6.6L Intake Adapter (#ZW21007) with bracket mounting bolt. On earlier models the adapter may need to be manually held in position if MAP sensor bracket is larger than adapter bracket. Alternative adapters are available for those models that will fit firmly in place.
- Recommend disconnecting the electrical control connector to the intake air heater during service.
- Add tank additive to vehicle's fuel tank.





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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 positioned to "OFF". Attach shop air and set pressure on EGR tool to 50-60 psi.



Performing the Diesel Induction Service:

- Start the vehicle engine.
- Set the EGR Manifold Assembly to "INTAKE" ("EXHAUST" if using #ZW21006) 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 Induction Service:

- Remove the Wynn's Power Diesel™ Induction & EGR Service Tool, EGR Manifold Assembly and EGR adapter. Re-install the MAP sensor and attached intake heater connector.
- 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.