

# BMW 1.6L (N16) GDI Engines

## Fuel System Service



Wear safety goggles to protect your eyes.



Wear gloves to protect your hands.



Wear a long-sleeved shirt to protect your arms.

**IMPORTANT!** Read product Safety Data Sheet before use. Make sure this service is performed in a well-ventilated area.

**CAUTION!** Use a throttle depressor to keep the engine at 1,800 RPM during service.

1. Add Wynn's Advance Power Clean to fuel tank.
2. For best results, add Wynn's Advance Power Clean to a full tank of gas. If the tank is not full, fill it up after the service.
3. Fill supply tool with Wynn's High Strength Liquid Induction Cleaner .

**CAUTION!** This cleaner will damage paint and certain plastic materials.

4. Verify the Intake Adaptor is tightly attached to the supply hose.
5. Remove airbox and ducting. Locate MAF sensor, unplug it and set aside.



6. Use a shop towel to remove any oil residue from inside the MAF sensor port.

7. Insert adaptor into the MAF sensor port.

8. Locate and disconnect the Valvetronic actuator.

9. Start engine and allow vehicle to warm up to operating temperature.

**IMPORTANT!** While performing the service, make sure to maintain engine running at 1,800 RPM. This will ensure that any cleaner accumulation has cleared.

**Warning!** Failure to kept engine running at 1,800 RPM during the service may result in engine damage!

10. Open ball valve on supply hose.

11. The adaptor will administer 11 oz. of cleaner in 20-25 minutes depending on engine vacuum. When supply tool is empty, close ball valve and allow the engine to idle for 15 minutes.

12. When supply tool is empty, close ball valve and turn engine off.

13. Remove adaptor and reinstall vacuum line. Reconnect the Valvetronic actuator.

14. Immediately test drive the vehicle for at least 15 minutes to clear any residual product.

**NOTE:** If the vehicle cannot be driven after the service, the vehicle must idle for 30 minutes to clear any residual product.

**Warning!** Failure to test drive or idle the vehicle after service may result in engine damage!

15. Clear any codes that may have set.