

No-Start Diagnostic Sheet

Resurrection — fuel, spark, air, compression

Before You Turn the Key

- Check oil level and condition
- Check coolant level
- Manually verify the engine turns over freely (by hand / socket on crank pulley)
- Prime the oil system: pull fuel pump relay/fuse, crank in short bursts

Pillar 1 — Fuel

- Listen for pump hum when key turns to "on"
- Check fuel rail pressure with a gauge
- Inspect fuel filter age / condition

Pillar 2 — Spark

- Pull a coil, ground a spark plug against the block
- Crank and look for a strong blue spark
- Check spark plug condition and gap

Pillar 3 — Air

- Check air filter isn't blocked (or nested-in by rodents)
- Pull OBD2 codes if the ECU is talking
- Check for vacuum leaks / intake hose cracks

Pillar 4 — Compression

- Test all cylinders: aim for 10 bar minimum
- Variance across cylinders should be under 15%
- Large variance = internal wear, not a quick fix

Notes

Cylinder	Compression (bar)
1	
2	
3	
4	

5	
6	