GO / NO-GO GATES

The checks between each stage of a build, the same gates used in Ignition House build packets. If any check fails, stop and fix it before you spend on the next stage.

GATE 0 — BEFORE YOU START

- ☐ Compression or leak-down within spec
- ☐ Smoke test passed — no boost or vacuum leaks
- ☐ Timing belt or chain status known
- ☐ Budget set for this stage and the next

GATE 1 — DATA READY

- ☐ Wideband reading and logged in the ECU
- ☐ Fuel pressure steady at idle and under load
- ☐ All sensors reading correctly in the software

GATE 2 — BASE MAP VERIFIED

- ☐ Clean cold start and stable idle
- ☐ Part-throttle AFR on target
- ☐ Timing verified with a timing light
- ☐ No knock events in logs

GATE 3 — READY FOR BOOST / POWER

- ☐ Fuel system headroom confirmed (injector duty and pressure)

- [ ] Boost control working at the lowest target
- [ ] Cooling stable after repeated pulls
- [ ] Dyno booked for high boost or race use

GATE 4 — FINAL

- [ ] All logs reviewed and signed off
- [ ] Final map backed up with notes
- [ ] The driver understands the limits and the warning signs

Ignition House · hello@ignitionhouse.co · General guidance only. Follow your ECU manufacturer's documentation, and get qualified help for anything you're unsure about.