

AGERA R / AGERA S

HALO PROTOCOL · FILE-86 BASE · FLEXFUEL LAYER · AIRCORE LAYER

Compiled from public sources, the Koenigsegg Agera R/S, their Model File and specialist review · Personal use only · v2.1

WHAT THIS CHECKLIST IS, AND WHAT IT IS NOT

This checklist gives an enthusiast the context to follow what is being discussed around an Agera R or Agera S transaction. It replaces nothing. Twenty-three cars — 18 R, 5 S — on one technical platform, differing mainly in fuel management and detail changes: the register's protocol stands on File 86 (the Agera family), with two layers genuinely their own — the R's FlexFuel system and the S's AirCore hollow carbon wheels. The family's law applies in full: FACTORY-DEPENDENT OWNERSHIP — works chain, software level, Koenigsegg support. Not a specialist: the specialist. Without that verdict, do not touch the car.

A · THE FILE-86 BASE PROTOCOL

- ☐ Identity first: R or S, build number (of 18 or 5), original specification.
- ☐ Works and authorised service history complete — the family spine.
- ☐ Software history and bulletins verified in the works system by chassis.
- ☐ Full diagnosis: modules, CAN health, sensors, actuators, fault memory.
- ☐ Carbon walk: monocoque, underbody, pickups — NDT on any doubt.
- ☐ Engine and turbos per the family protocol: evidence-based, not habit.
- ☐ Gearbox: adaptations, oil service, shift behaviour.
- ☐ Öhlins/pushrod chassis and lift system function-tested.
- ☐ Accident history with composite documentation — or the file closes.

B · THE R LAYER · FLEXFUEL

- ☐ Fuel history read honestly: E85 use, petrol-only periods, grade switching.
- ☐ Ethanol sensor function verified; calibration agrees with tank contents.
- ☐ Fuel lines, pumps and injectors inspected at this flow level.
- ☐ Engine management mapping confirmed against the documented software level.
- ☐ First-generation ceramic-piston brakes sighted: discs, pads, condition.
- ☐ Aero exhaust and winglets original and undamaged.

C · THE S LAYER · AIRCORE

- ☐ All four AirCore wheels inspected as STRUCTURE: curb damage, delamination.
- ☐ Any wheel repair documented — manufacturer or released specialist only.
- ☐ Petrol calibration confirmed; no FlexFuel retrofit mythology.
- ☐ Wheel provenance: original set, serials where recorded.

D · PRICE & INVESTIGATION ITEMS

The platform is File 86's certainty: the price sits in the works chain, the software — and the two layers.

- ☐ Service-history gaps: priced as identity risk — the family core sentence applies.
- ☐ R: calibration or fuel-system findings — works-level correction priced.
- ☐ S: any AirCore finding — manufacturer verdict and quote before purchase.
- ☐ Open bulletins or outdated software: works visit scheduled and priced.
- ☐ Any monocoque finding: Ängelholm-level verdict first.
- ☐ Parts needs: factory quotes with waiting time priced in.
- ☐ Negotiate from the works record and the layer files — never the badge.

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E · RED FLAGS · WALK-AWAY OR ESCALATION

- A service history outside the Koenigsegg world — at any price.
- R: fuel-system or calibration state unknown on a FlexFuel car.
- S: AirCore damage assessed by anyone but the manufacturer's chain.
- Software level unknown, or bulletins unverifiable.
- Monocoque or structural work without works documentation.
- An "RS conversion" narrative — the RS is its own car, not an upgrade path.
- A seller who resists the works-level inspection.
- A car whose findings cannot be named, quantified and priced.

F · FIRST WEEK OF OWNERSHIP

- ☐ The works dossier archived: service record, software history, layer files (FlexFuel or AirCore).
- ☐ The Koenigsegg relationship established — the family law applies: owned through the factory.
- ☐ R cars: the fuel regime decided and the calibration set to match it.

"Twenty-three cars, one platform, two signatures: the R burns the future, the S rolls on air. Verify the works chain, honour the layer — File 86 does the rest."

Deep dive: Supercar Models Paper 87 · Model File 87 · Owner's Intelligence series.

FINDINGS & NOTES