

Icon 917K Spec at a glance.

1. Project Design brief No1: To reverse engineer an accurate representation of the 917K 001-021.
2. Project Design brief No2: To have a track day car, that is also road legal, so needs to pass IVA.
3. Body Shell (5 mouldings): GRP body panels taken from moulds of David Pipers original 917K
4. Engine and transmission: Running a blue printed Porsche 964 Flat 6 and inverted G50 5-speed.
5. Engine options: Can accept any Porsche engine including a Flat 12 and transmission.
6. Exhaust Systems by BTB: Bespoke design to package within the original chassis, Cats & mufflers
7. Chassis tubes in T45 steel: 217 circular laser cut tubes in 5 diameters as per the originals.
8. Chassis suspension brackets: 220 laser cut brackets for suspension, anti-roll bar, and rack mounts.
9. Chassis mounting brackets: 120 to 140 for all other component mounting brackets.
10. Chassis and Suspension jigs: Full chassis jig and 6 suspension mounting jigs.
11. Suspension wishbones: 100% rose joints with T45 tubes, fully jigged and Tig welded.
12. Front and rear hubs: Bespoke design, 72mm centre lock, with modern dual race bearings
13. Front and rear uprights: 5 axis NC HE30 billets to visually replicate 001-021 uprights.
14. Front and rear dampers: Inverted design as per originals manufactured by Nitron
15. Front brakes (Radical): Hi Spec 300mm x 32mm, RX132-6 Pot Radial Calipers
16. Rear Brakes: (Radical): Hi Spec 290mm x 30mm, RX114-4 Pot Caliper + H/Brake Spot Caliper
17. Steering Rack from Titan: Design represents the original package-2 turns lock to lock.
18. Wheel Designs: Accurate reproduction of original 1-piece 15" Dia magnesium rims
19. Road wheel specifications: Front 8.5" and Rear 14" width to accept Michelin TB tyres.
20. Track wheel specifications: Front 10.5" and Rear 15" width to accept Avon race rubber.
21. Wiring Harnesses: Modular design with 5 separate harnesses, DTA engine management.
22. Rear View Mirrors: Bespoke designed 3D printed electric, to meet IVA vision requirements.
23. Oil Cooler and Tank: Cooler is an accurate to the original, with a 15L tank in original location.
24. Injection and Fuel System: Jenvey's with Bosch injectors, and a 65L tank behind the bulkhead.
25. Digital Garage CAD models: Our Icon 917K was designed in CAD and lives in a Digital Garage.
26. Digital Reverse Engineering: Chassis CAD model was developed using the drawings in many books.
27. Digital Component Design: 95% of components are designed in CAD, manufactured & fit first time
28. Digital CAD accuracy: The chassis and suspension is within +/-5mm of nominal.
29. Digital Garage size: The Icon 917K CAD model is now 1.3Gig.
30. Digital replication: We can build accurate recreations of our Icon 917K using our digital garage CAD and the multiple jigs already manufactured. Costs and timing available on request.

