

Ferrari F355 Major Service Procedure – Part 1 Engine Removal Procedure (6-Speed Manual Transmission)

This is the first part of a series outlining the process for a “major” service for the F355. The vehicle used for the procedure and images is a 1995 F355, Italian market manual transmission (non-F1). When complete, the series will consist of 5 parts:

1. Engine removal
2. Inspection & Cleaning
3. Service items (accessory drive belts, fluids, spark plugs, Lambda sensors etc.)
4. Camshaft (timing) belt and tensioner bearing replacement
5. Engine installation

All these documents can be accessed at www.ferrarichat.com in the technical Q&A section. The series will be published in stages as completed.

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General

1. F355 engine removal is relatively straightforward. The main difficulties arise with access to the hoses and fasteners at the front of the engine compartment where space is tight.
2. The engine is removed from below the vehicle. The engine and transmission weight is supported on a trolley, while the vehicle body is lifted clear. The engine is wheeled out from under the body on the trolley.
3. The vehicle body can be raised either with a 2-post ramp or with two good quality floor jacks. The lifting method must allow good access to the underside of the vehicle.
4. This procedure details the “two-jack” method.
5. **Disconnect the battery using the isolator in the luggage compartment before starting work.**
6. Park the car on solid, level ground in a place where you can get good 360° access to the vehicle.
7. Be prepared for fluid spills when disassembling hoses etc. Keep a supply of oil granules, wipes and containers to hand.
8. Dispose of all fluids at your local civic amenity site; don't pour into the soil or down the drain, as this will eventually work its way into your family's tap water.

Tools & Equipment

1. A metric hand-tool selection is required including:
 - Two sets of spanners and sockets covering 6mm to 24mm A/F are required.
 - A range of cross & flat head screwdrivers.
 - A very large adjustable spanner and alan-keys.
 - Two good quality 3,000kg hydraulic jacks with a lifting height of approx 500mm.
 - 2 drain trays with a capacity minimum of 6 litres and a height of 200mm max.
 - Lead lamp
 - 4 good quality 2000Kg axle stands
2. A good quality trolley (steel framed with heavy duty castors is also required. The load capacity should be at least 750kg and measure approx 620mmx620mm. The height should be as low as possible (250mm or lower).
3. During dismantle stages be sure to label and carefully store all removed parts and fasteners to ensure correct and smooth reassembly.

