

ENGINE MANAGEMENT SYSTEM

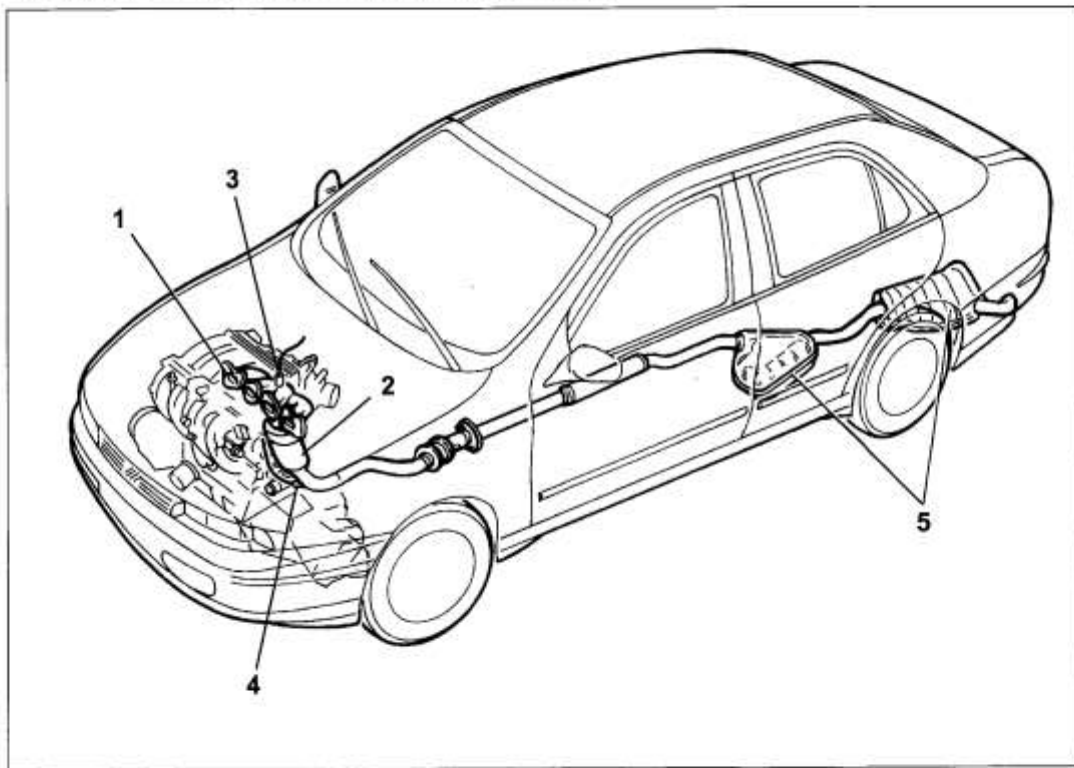
The Marea-Marea Weekend 1596 16v has a 4 cylinder in line engine, with 16 valves, 1596 cc, twin overhead camshaft and a Marelli IAW 4EF integrated electronic injection/ignition system.

The fuel system differs from the one described for the 1581 16v "99 range" version through the addition of several variants to make it compatible with the EEC Stage 3 EOBD regulations.

The main modifications to the system can be summarized as follows:

- Engine management control unit with IAW 4EF
- Catalytic converter near the exhaust manifold to take maximum advantage of the heat of the gases.
- Two Lambda sensors, one upstream (front) and one downstream (rear) which check the quality of the exhaust gases and the operation of the catalyzer.
- Adoption of a timing sensor on the inlet side timing pulley.

DIAGRAM SHOWING ENGINE EXHAUST ASSEMBLY



4P0011LJ01

Key

1. Exhaust manifold
2. Catalytic converter
3. Front Lambda sensor
4. Rear Lambda sensor
5. Silencers