

System Description

General

The Motronic 37 is a development of the 35-pin Mono-Motronic system. The Motronic 37 is an electronic system which controls fuel injection, ignition, idle speed etc. The Mono-Motronic system controls fuel metering via a (mono) injection signal, although there are variants of the Motronic 37 which employ four valves, all connected to the same signal. The system uses values from two throttle potentiometers to control the fuel metering. The fuel quantity is adjusted to compensate for air and engine temperature with the aid of two temperature sensors and, for the exhaust gas oxygen content, a lambda sensor. The Mono-Motronic also regulates idle speed by means of a valve. Certain versions of the system also have an knocking sensor for the correction of ignition timing.

Summary – Car Models

The following car models are equipped with Motronic 37:

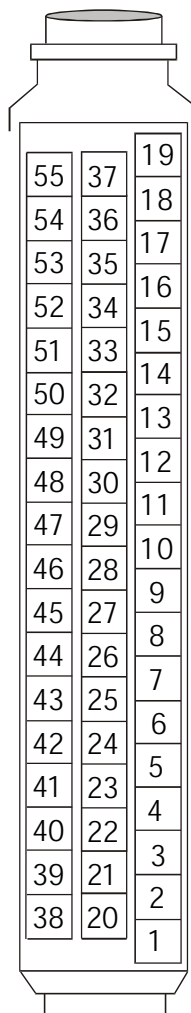
Manufacturer	Type	Model	Engine
Peugeot	106		1.6
Peugeot	205	-92	
Peugeot	306		
Peugeot	306XR		1.6 and 1.8
Peugeot	405	-92	1.8
Peugeot	605		
Citroën	ZX		
Citroën	Xantia		1.8i
Citroën	AX 10	-92	1.8i
Citroën	AX GT	-93	

Please check the particular vehicle's workshop manual to verify that it is equipped with a system described in this manual.

Interface - Signal Locations

1. Control signal to ignition amplifier
2. Ground
3. Control signal to pump/main relay
4. Bord computer
5. Control signal to coalcanister
6. Control signal to revolution counter
7. Trottle potentiometer 2/MAP-sensor
8. Knock sensor*
9. Speedometer
10. Ground to lambda sensor
11. Ground to crankshaft sensor
12. Power feed to sensors
13. Diagnosis lamp*
14. Ground
15. Control signal to idling regulator
16. Diagnosis
17. Control signal to injection valve
18. Constant power feed from battery
19. Ground
20. Control signal to ignition amplifier
21. Control signal to idling regulator/step motor
22. engine lamp*
23. Signal to/from AC
24. Control signal to idling regulator/step motor
25. Control signal to coolant temperature sensor
26. Ground to sensors
27. Signal from air temperature sensor
28. lambda sensor
29. Throttle potentiometer 1
30. Signal from crankshaft sensor
31. Signal from idle switch
32. Signal to/from AC
33. Control signal to idle speed correction valve/step motor/DC-motor
34. Signal to/from AC*
35. Signal to/from AC*
36. Immobilizer*
37. Battery via relay (KL 15)

Wiring harness



Wiring diagram

This wiring diagram is an example. Check in the relevant workshop manual for the diagram of the car you are working with.

