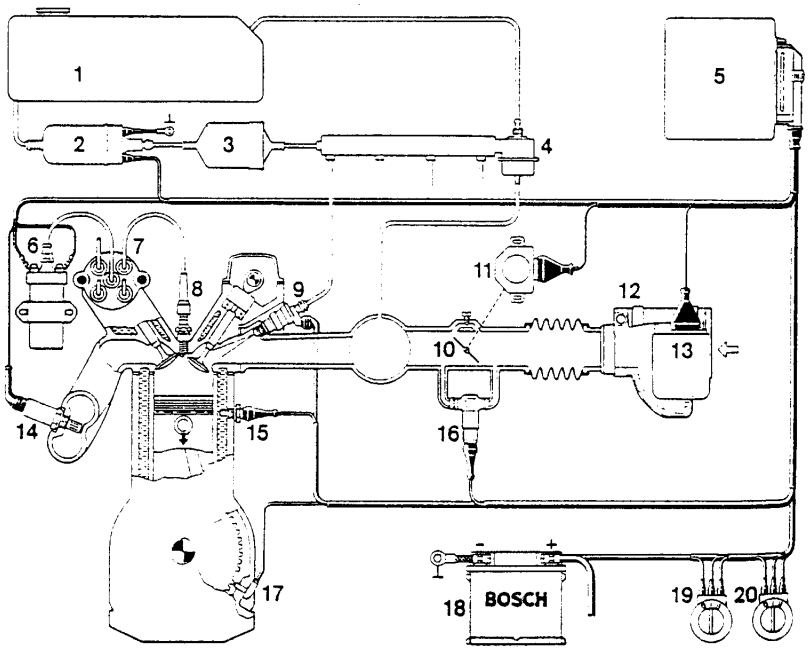
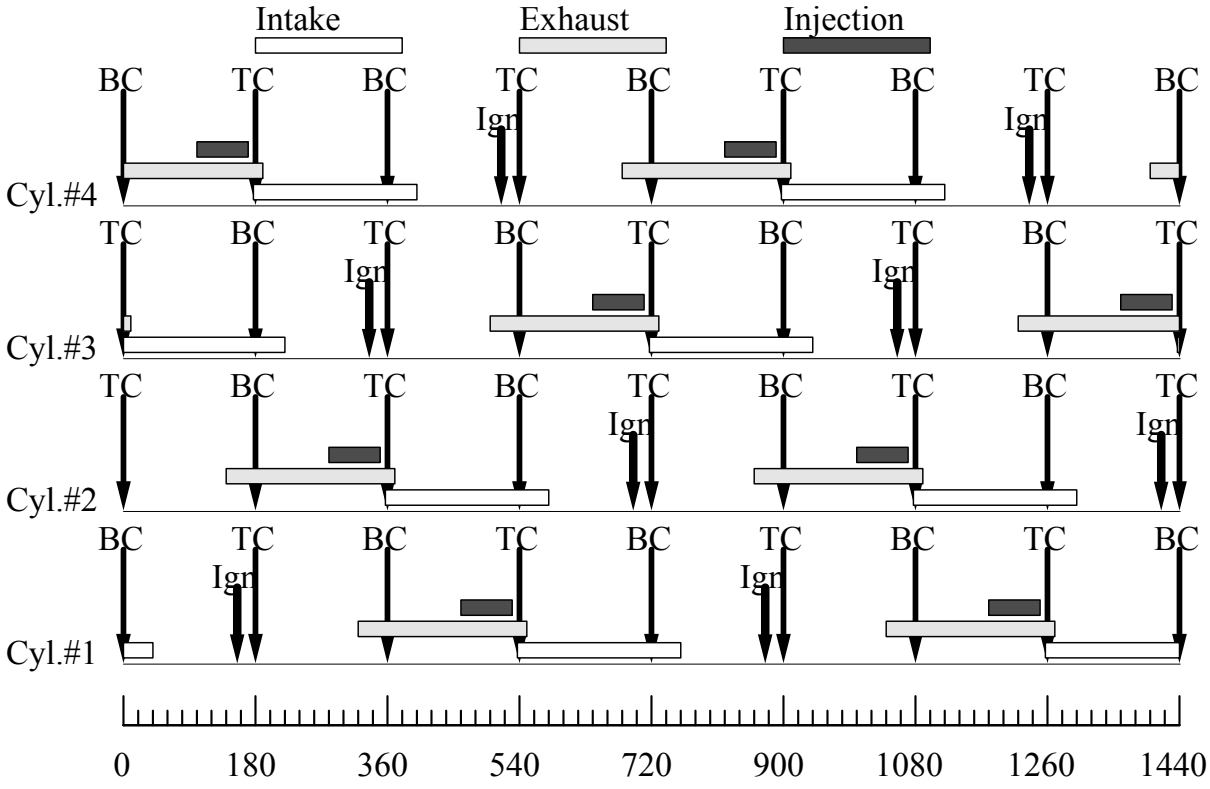
Typical Engine Control System
(From Bosch Automotive Handbook)

Diagram of a typical Motronic system.
1 Fuel tank, 2 Electric fuel pump, 3 Fuel filter, 4 Pressure regulator, 5 Electronic control unit, 6 Ignition coil, 7 High-voltage distributor, 8 Spark plug, 9 Injection valve, 10 Throttle valve, 11 Trottle-valve switch, 12 Air-flow sensor, 13 Air temperature sensor, 14 Lambda sensor, 15 Engine temperature sensor, 16 Idle-speed actuator, 17 Reference-mark and engine-speed sensor, 18 Battery, 19 Ignition/starter switch, 20 A/C switch.





Cyl. #1 CA (0 ^{o} is BDC compression)