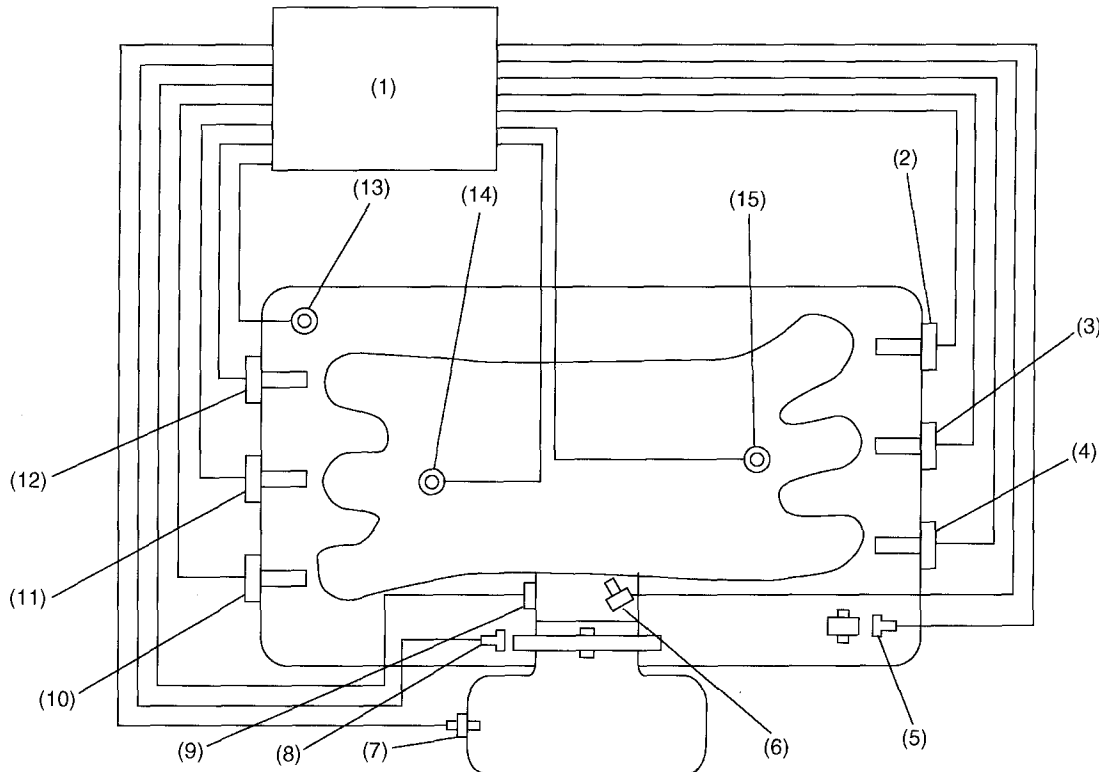


# IGNITION CONTROL SYSTEM

Emission Control (Aux. Emission Control Devices)

## 6. Ignition Control System

- The ignition system is controlled by the ECM. The ECM monitors the operating condition of the engine using the signals from the sensors and switches shown below and determines the ignition timing most appropriate for each engine operating condition. Then it sends a signal to the ignitor, commanding generation of a spark at that timing.
- The ECM uses a preprogrammed map for a “closed-loop” control which provides its ignition timing control with excellent transient characteristics, i.e., highly responsive ignition timing control.



B2H3970A

- |                                   |  |
|-----------------------------------|--|
| (1) ECM                           | (9) Throttle position sensor           |
| (2) #1 Ignition coil              | (10) #6 Ignition coil                  |
| (3) #3 Ignition coil              | (11) #4 Ignition coil                  |
| (4) #5 Ignition coil              | (12) #2 Ignition coil                  |
| (5) Camshaft position sensor      | (13) Engine coolant temperature sensor |
| (6) Pressure sensor               | (14) Knock sensor LH                   |
| (7) Intake air temperature sensor | (15) Knock sensor RH                   |
| (8) Crankshaft position sensor    |  |