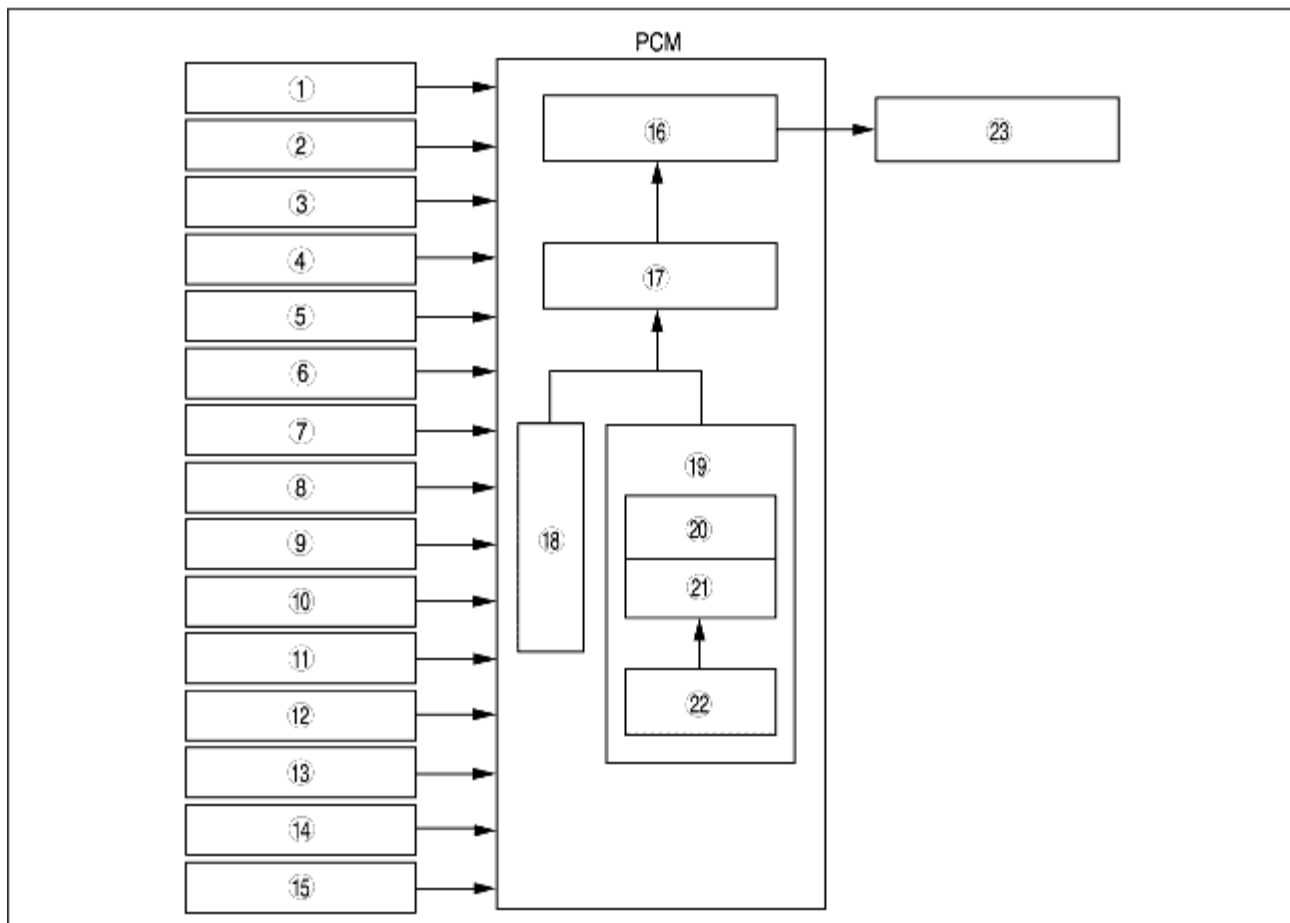


ELECTRONIC SPARK ADVANCE (ESA) CONTROL BLOCK DIAGRAM [ZJ, Z6]

B3E014000140T29

- The PCM determines the engine operation conditions based on input signals from sensors, blocks current to the ignition coils by the calculated ignition timing, and discharges (ignition) the spark plugs based on the effect of electromagnetic mutual induction.



B3E0140T528

1	Neutral switch (MTX)
2	CPP switch (MTX)
3	PSP switch
4	ECT sensor
5	IAT sensor
6	CKP sensor
7	CMP sensor
8	TP sensor
9	MAF sensor
10	KS
11	TR switch (ATX)

12	Brake switch
13	Instrument cluster (A/C on request signal)
14	Refrigerant pressure switch (low pressure switch, high pressure switch)
15	Instrument cluster (engine stop request signal)
16	Igniter operation time
17	Ignition timing
18	Fixed ignition
19	Cycle estimated ignition
20	Idle spark advance
21	Basic spark advance
22	Corrections
23	Ignition coil