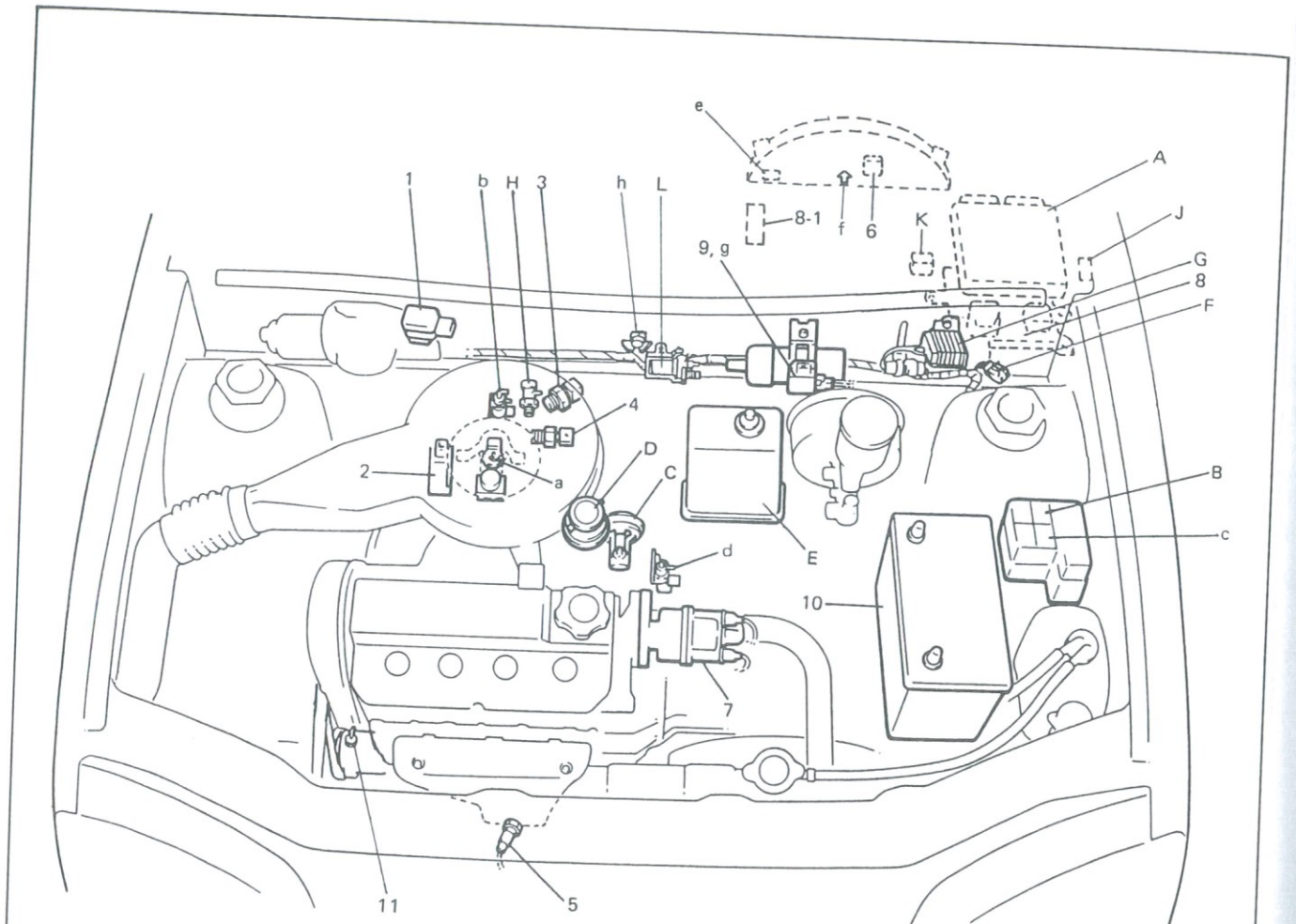
ELECTRONIC CONTROL SYSTEM

The electronic control system consists of 1) various sensors which detect the state of engine and driving conditions, 2) ECM which controls various devices according to the signals from the sensors and 3) various controlled devices.
Fanctionally, it is divided into six sub systems:

- Fuel injection control system
- ISC solenoid valve control system
- Fuel pump control system
- EGR control system
- Shift-up indicator light control system (If equipped)
- ESA (Electronic Spark Advance) system

Also, with A/T model ECM sends throttle valve opening signal to A/T control module to control A/T.



INFORMATION SENSORS
1. Pressure sensor
2. TPS
3. ATS
4. WTS
5. Oxygen sensor
6. VSS
7. CAS (in distributor)
8. Diagnosis switch terminal on junction/fuse block (Not for Germany spec. model)
8-1. Diagnosis switch (Germany spec. model only)
9. Igniter (power unit)
10. Battery
11. P/S pressure switch (If equipped)

CONTROLLED DEVICES
a : Fuel injector
b : ISC solenoid valve
c : Fuel pump relay
d : EGR VSV
e : "CHECK ENGINE" light
f : Shift-up indicator light (if equipped)
g : Igniter (Power unit)
h : P/S VSV (if equipped)

OTHER
A : ECM
B : Main relay
C : EGR valve
D : EGR modulator
E : Canister
F : Monitor coupler
G : Injector resistor
H : BVSV
J : Electric load diode
K : Serial data coupler (Assembly line diag. link)
L : A/C VSV (if equipped)

Fig. 6E-11 Parts Location

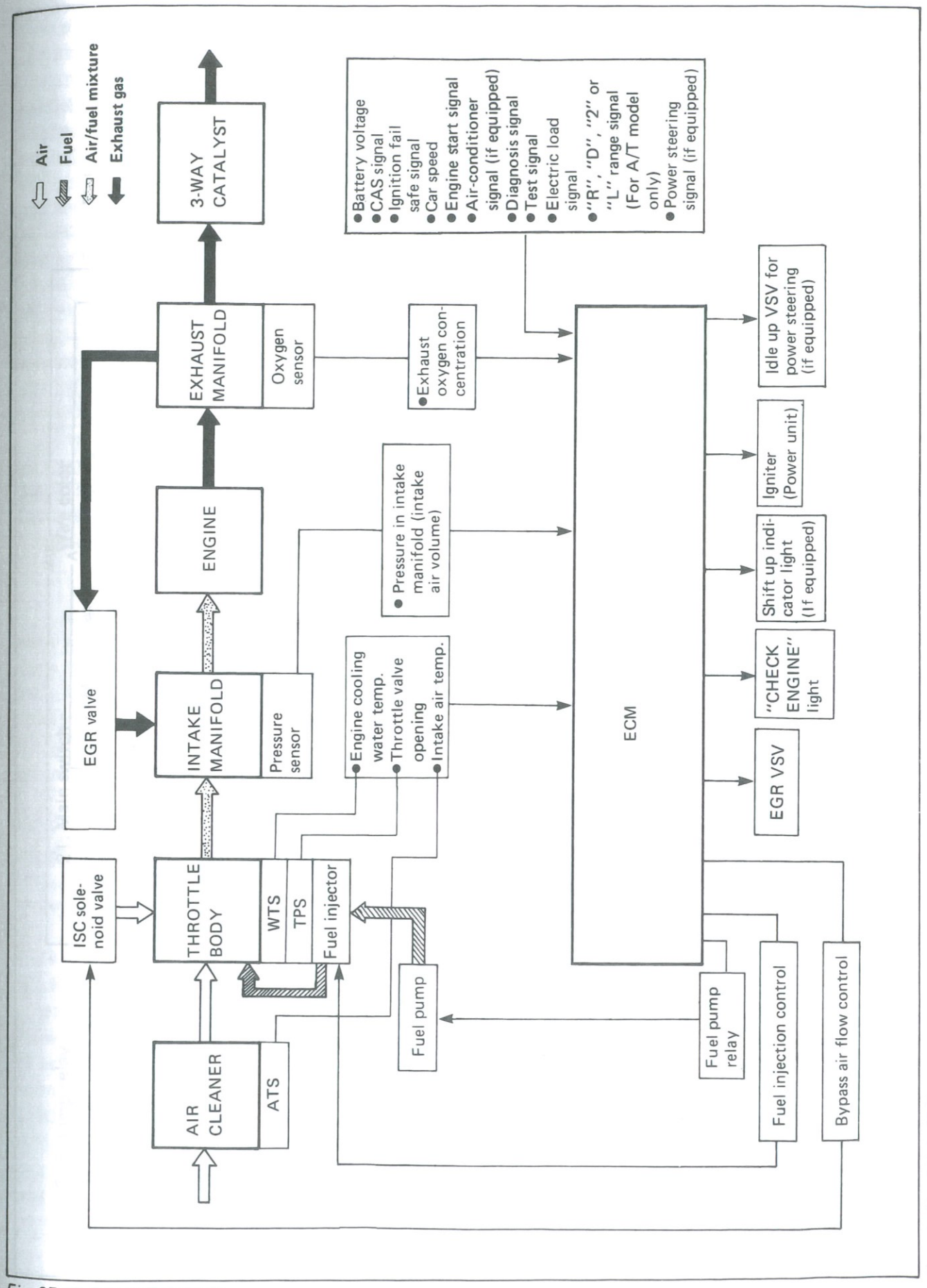


Fig. 6E-12 System Schematic

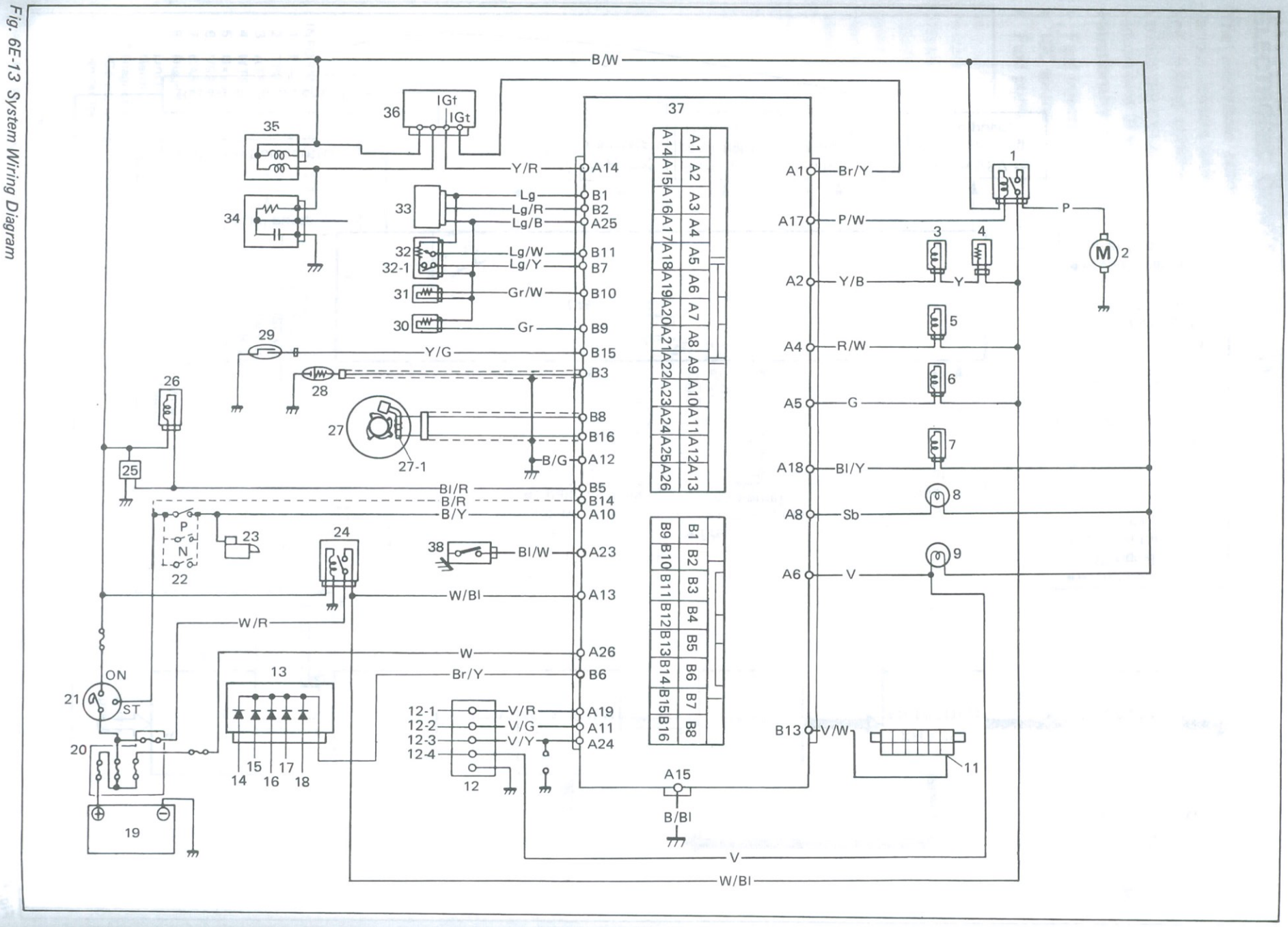


Fig. 6E-13 System Wiring Diagram

1. Fuel pump relay
2. Fuel pump
3. Fuel injector
4. Resistor
5. ISC solenoid valve
6. EGR VSV
7. Power steering VSV for idle up (if equipped)
8. Shift-up indicator light (if equipped)
9. "CHECK ENGINE" light
10. Blank
11. Serial data terminal (Assembly line diag. link)
12. Moniter coupler
12-1. Duty output terminal
12-2. Test switch terminal
12-3. Diag. switch terminal
12-4. Diag. output terminal
13. Diode
14. To radiator fan switch
15. To heater blower switch
16. To stop light switch
17. To lighting switch
18. To rear window defogger switch (if equipped)
19. Battery
20. Main fuse box
21. Main switch
22. Clutch switch (M/T, if equipped) or inhibiter switch (A/T)
23. Starter magnetic switch
24. Main relay
25. Air-conditioner amplifier (if equipped)
26. Air-conditioner VSV (if equipped)
27. Distributor
27-1. Crank angle sensor
28. Oxygen sensor
29. Vehicle speed sensor
30. Air temp. sensor
31. Water temp. sensor
32. Throttle position sensor
32-1. Idle switch
33. Pressure sensor
34. Noise suppressor
35. Ignition coil
36. Ignitor
37. ECM
38. Power steering pressure switch (if equipped)

Wire color

B	: Black
B/Bl	: Black/Blue
B/G	: Black/Green
B/R	: Black/Red
B/W	: Black/White
B/Y	: Black/Yellow
Bl/R	: Blue/Red
Bl/Y	: Blue/Yellow
Br	: Brown
Br/B	: Brown/Black
Br/R	: Brown/Red
Br/W	: Brown/White
Br/Y	: Brown/Yellow
G	: Green
Gr	: Gray
Gr/W	: Gray/White
Lg	: Lightgreen
Lg/B	: Lightgreen/Black
Lg/R	: Lightgreen/Red
Lg/W	: Lightgreen/White
Lg/Y	: Lightgreen/Yellow
P	: Pink
P/W	: Pink/White
R/W	: Red/White
Sb	: Skyblue
V	: Violet
V/G	: Violet/Green
V/R	: Violet/Red
V/W	: Violet/White
V/Y	: Violet/Yellow
W	: White
W/Bl	: White/Blue
W/R	: White/Red
Y	: Yellow
Y/B	: Yellow/Black
Y/G	: Yellow/Green
Y/R	: Yellow/Red