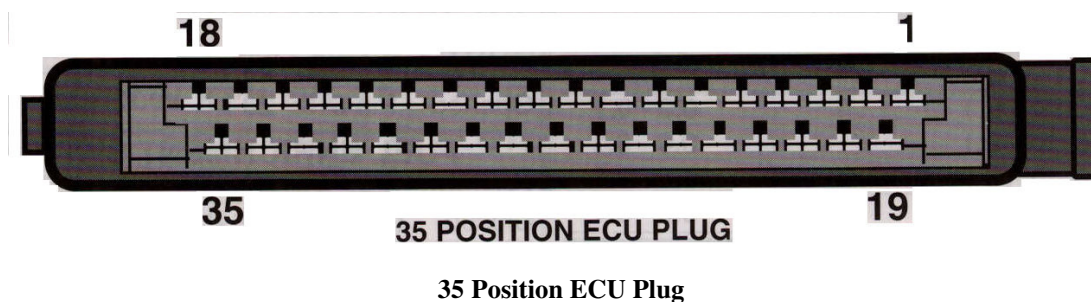


Vehicle: Connector Views

Engine Control Module



CONNECTOR VIEW

SYSTEM

- Motronic

LOCATION

- Glove box

TERMINAL ID

- 1 - Output to coil (-) control (Blk)
- 2 - Closed throttle input (Brn/Blu)
- 3 - Full Load throttle input (Brn/Blk)
- 4 - Starter solenoid input (Blk/Yel)
- 5 - Chassis ground (Brn)
- 6 - Air flow sensor ground (Grn/Brn)
- 7 - Air flow sensor load input (Grn/Yel)
- 8 - Engine speed sensor (+) (Blk)
- 9 - Air flow sensor supply (Grn/Wht)
- 10 - Ground (M/T) (Brn), P/N (A/T) (Brn/Grn)
- 11 - Injector control pulse width output (Wht)
- 12 - Diagnostic
- 13 - Coolant temp. sensor input (Grn/Red)
- 14 - Injector(s) 1, 2, 3 control (Brn/Wht)
- 15 - Injector(s) 4, 5, 6 control (Brn/Yel)
- 16 - Chassis ground (Brn)
- 17 - Chassis ground (Brn)
- 18 - Main relay (Red/Blu) /Battery(+)(Red)
Main relay for 528e, 533i & 535i models up to and including 1987 years. Battery(+) 535i 1985 - 88 and 528e from March 1987 and 1988 models.
- 19 - Chassis ground (Brn)
- 20 - Fuel pump relay control (Grn/Brn)
- 21 - Engine speed output (Blk/Blu)
- 22 - Air temperature sensor input (Grn/Vio)
- 23 - Shield ground
- 24 - Oxygen sensor (Grn)
- 25 - Mark sensor (-) input (Yel)
- 26 - Mark sensor (+) input (Blk)
- 27 - Engine speed sensor (-) (Yel)
- 28 - Transmission range switch (NT) (Brn/Blk)
This terminal is a ground on 325e, 528e, and 533i A/T only. Altitude switch on 528e, 533i, 535i 1984 only.
- 29 - A/C on input (Blu/Blk)
- 30 - Barometric sensor input (Wht)
- 31 - Oxygen sen. heater relay ctrl. (Grn/Brn)
- 32 - NO CONNECTION
- 33 - ISC valve control (Wht/Yel)
- 34 - ISC valve control (Wht/Grn)
- 35 - Main relay power input (Red/Blu)

Notes

The 528e Models changed to a 55 pin connector in March 1987.

If there is a question as to whether the system has idle speed controlled by the motronic ECU or not, check to see if there are wires in pin 33 & 34. If

no wires then idle speed is controlled by a separate VDO control unit.