

XJ-S ECU Pin out table
Relevant to my 1985 V12 Australian market.

Pin number:

Bottom row:

- 1 = not used.
- 2 = EARTH
- 3 = Fuel enrichment switches, vac & micro
- 4 = not used
- 5 = CTS= UC = LH thermo housing (signal wire)
- 6 = not used
- 7 = TPS (yellow/white) = RED of TPS Mini Loom.
- 8 = Connects with pin (9) and then goes to pin 4 of the resistor pack, via 2 connector splices.
- 9 = see 8 above
- 10 = not used
- 11 = to pin (10) of resistor pack
- 12 = to pin (7) of resistor pack connector splices.
- 13 = Unites with #14 going to pin #1 of the resistor pack.
- 14 = see 13 above
- 15 = Orange wire to pin (85) of the fuel pump relay (Earth of that relay).
- 16 = EARTH
- 17 = Start inhibit switch. Mostly known as the “neutral start switch”. The other side of the inhibit switch goes to pin (W1) of starter relay.
- 18 = the “shielded” wire from the ignition module. The central core (thin wire) connects here. The “shielding” is earthed at this area also, but not to the pin.

Top row:

- 19 = TPS (Yellow/Black) and picking up a splice wire to the coolant temp sensor in the LH thermo housing.
- 20 = TPS (Yellow/Pink) and picking up a splice that goes to the air temp sensor (one side).
- 21 = Air temp sensor Signal wire.
- 22 = Power (12v) to ALL injectors, via 4 splices. This power is supplied by pin (87) of the main relay, and travels ON to pin (22) of the ECU as the “power IN” to the ECU.

23 = not used
24 = not used
25 = not used
26 = To pin C1/C4 of starter relay.
27 = Pin (6) of resistor pack with a splice of pin (28).
28 = See above (27)
29 = Pin (8) of resistor pack.
30 = Pin (5) of resistor pack.
31 = Pin (3) of resistor pack with a splice of pin (32).
32 = See above (31).
33 = not used.
34 = EARTH
35 = EARTH

The earths are all interconnected and terminate at one of the bolts alongside the battery. There are also Earth wires bolted to rear of the RH inlet manifold. The engine earth wires are CRITICAL, and I DO NOT use the Jag set up. I use a dedicated Earth battery type cable (eye to eye style) from the engine to the body DIRECT.