

P300™ modifications to support VE, AE, AE86, FN, RE, 386E, 586E
May 27, 2009

P300 was designed for V25-Engine in 1994.

P300 J2 header signals NOT compatible to all “Engines” are J2.25=GND, J2.16=/WR, J2.22=/CTS1.

P300 H2 provide selection for I/O select line /SIO: H2.1=J2.22, H2.2=/SIO, H2.3=J2.3

P300 RN1 must be installed to provide pullup for the /SIO.

**Modification needs to cut pins on J2.25 and J2.16,
no connection on J2.25 and J2.16 between P300 and Engine controller.**

For FN:

- 1) Both QUART(U4 and U5) need to be installed on FN.
- 2) Jumper on P300 H2.1=H2.2

For RE/RL:

- 1) Use P19=/PCS3=J2.31 to select P300
- 2) Wire P300 H2.2=J2.31 to use P19=/PCS3, No jumper on H2
- 3) Cut pins on J2.25, J2.16, no connection between P300 and RL

J2 pin 16 = /WR must be cut off the pin on “Engine” or cut off the trace on P300 PCB.

For 586P:

On P300, No Jumper on H2. Add wire from J1.19=/ROM1 to H2.2

On 586P, Cut pins on the solder side of J2: pin 16, pin 25, pin 32=RxD0, pin 26=RxD1.