

Note Injector Numbers are in firing order not cylinder number

See attached notes.

All 5 volt and Sensor Gnd connections are equivalent (except Lambda Gnd). Use the ones which are most suitable for the sensors connected. If not using twisted pair wire, twist together separate wires especially the sensor connections with a pitch of approx. 2.5 cm

**Crank sensor connections**


Use twisted pair wire with overall screen for crank sensor

VR sensor pin outs (magnetic)

**Ford**  
Pin 1 to pin 8  
Pin 2 to pin 47  
Shield to pin 47 at ECU

**Vauxhall/Opel/BMW/V** olvo/Saab/etc. (Bosch & Siemens)  
Pin 1 to pin 8  
Pin 2 to pin 47  
Pin 3 to shield to pin 47 at ECU

**Marelli**  
Pin 2 to pin 8  
Pin 1 to pin 47  
Shield to pin 47 at ECU



WIRING SCHEMATIC

FOR P8PRO V28.0 FIRMWARE OR LATER

LAST UPDATED 18/01/2002  
\*\* SEE ATTACHED NOTES \*\*

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**Serial Port Connections**

1 -> 1  
2 -> 2  
3 -> 3 9 - 15 pin (Dyno Control Box uses the rest)  
4 -> 4  
5 -> 5

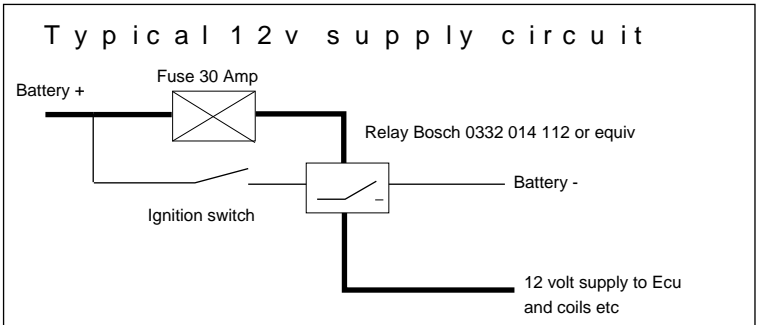
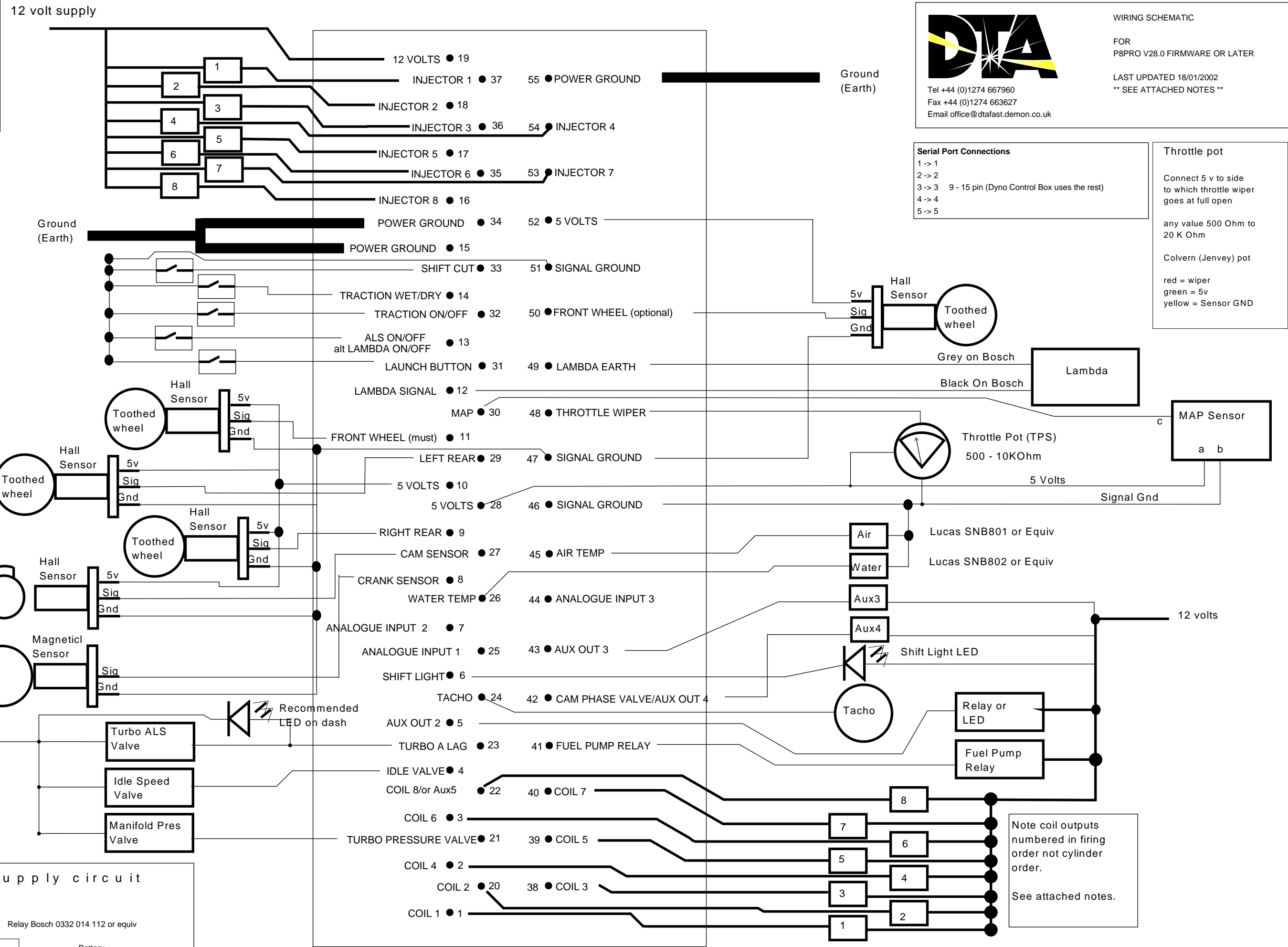
**Throttle pot**

Connect 5 v to side to which throttle wiper goes at full open

any value 500 Ohm to 20 K Ohm

Colvern (Jenvey) pot

red = wiper  
green = 5v  
yellow = Sensor GND



Note coil outputs numbered in firing order not cylinder order.

See attached notes.

Latch end

## Injector Wiring

Note all injectors must be high impedance types or use a ballast resistor.

### Sequential

Remember that the outputs are numbered in firing sequence, that is 1 is the first to fire, 2 the second etc. For a 4 cylinder with a firing sequence of 1/3/4/2 connect wires as below.

Cyl1342  
O/P1234

And similarly for 6 or 8 cylinder engines. 8 cylinders is the maximum that can be handled with sequential injection.

### Non Sequential

Use O/P's 1,2 and 5,6. Balance numbers of injectors on each

### Non Sequential Twin Injector

Injectors 1:- Use O/P's 1,2 and 5,6. Balance numbers of injectors on each

Injectors 2:- Use O/P's 3,4 and 7,8. Balance numbers of injectors on each

## Coil Wiring

### Coil Per Plug

Remember that the outputs are numbered in firing sequence, that is 1 is the first to fire, 2 the second etc. For a 4 cylinder with a firing sequence of 1/3/4/2 connect wires as below.

Cyl1342  
O/P1234

And similarly for 6 or 8 cylinder engines.

### Wasted Spark

Use the lowest outputs. For a 6 cylinder engine with a firing order of 1/3/6/4/5/2 wire as below.

Cyl136  
Cyl452  
O/P123

### Distributor

Use Coil output 1.

### Twin Spark

Coil O/P's 1 to 4 work as normal. Coil O/P's 5 to 8 are the matching second plug. For a 4 cylinder, coil per plug, twin spark wire as below.

Cyl1342First Plug  
O/P1234

Cyl1342Second Plug  
O/P5678

Four cylinder coil per plug or 8 cylinder wasted spark is the maximum for twin spark operation.



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