

## 24 Wiring

fig 24a



### 24.1 Dashboard Wiring

#### What you need:

Wiring Loom

The following is a list of the wire colors for each of the dashboard instruments and switches. There may be slight changes on one or two colours if you are not sure please contact our workshop.

	Color	
Horn:	Purple/Black	Earthed through switch
Right Front Indicator	Green/White x 2	Supply
Warning Light: (Red)	Black	Earth
Tachometer:	Red	Illumination/bulb
	Black	Earth/neg
	Green	Positive Supply (Voltage + sensing tachometer)
	White/Black	Coil Signal (Voltage /12w sensing tachometer)
	White	Looped Coil Positive Supply
Main Beam Warning Light (Blue)	Blue/White	Supply
	Black	Earth
Fuel Gauge	Red	Supply/bulb
	Black	Earth
	Green	Positive Supply/b
	Green/Black	Fuel Gauge Sender Unit/T

Charge Warning Light (Red)	Green Brown/Yellow	Supply Alternator Field
Oil Pressure Gauge	Red Black Green White/Yellow	Illumination/bulb Earth/neg Positive Supply/b Oil Pressure Sender Unit/T
Oil Pressure Warning Light (Red)	White/Brown Green	Oil Switch Supply
Water Temperature Gauge	Red Black Green Blue/Green	Illumination/bulb Earth/neg Supply/b Temperature Sender/T
Speedometer	Red Black	Illumination/bulb Earth/neg
Heater	Red Green Green/Grey Green/Yellow Black	Illumination Positive Supply Speed One Speed Two Earth
Hazards	Red Black Green/Yellow Green/Red x 2 Green/White Black/White	Illumination Earth
Lights	Red Black Blue Brown Red	Illumination Earth
Radiator Fan Relay	Black/Red Black Red/Light Green Black/Red	
Horn Relay	Purple Purple/Yellow Purple/Black Purple	
Ignition Controlled Indicator Relay	White Green/Brown	

	Black Green/Brown	
Flasher Unit	Purple Black Green/Yellow Green/Brown	
Handbrake Warning Light (N/A)	Black/White Green	Switch to Earth Supply
Column Switch	This is pre-wired with four separate connectors, which plug into the connectors around the column. Each connector is different so they will only fit in the correct one.	

**N.B.** If a current sensing tachometer is used rather than a voltage sensing tachometer then the white looped wire is cut and is wired in series with the coil.

## 24.2 Engine Wiring

### What you need:

Wiring Loom, fitted.  
Male and female connectors.  
Crimps.  
Wire cutters.

Component	Color	
Ignition Coil	White Black/White Black/White	Positive Supply Negative Supply Negative to Distributor
Distributor	White White/Black Black	Positive Supply Negative from Coil Earth
Temperature Sender	Blue/Green	
Oil Pressure Sender	White/Yellow	
Starter Motor	Brown Red/White	Starter Positive To Coil
Horn	Purple/Yellow Black	Supply Earth
Radiator Fan	Black/Red Black	Supply Earth

Thermostat	Brown Red/Light Green	Supply Radiator Fan Relay
Battery	Black Red	Earth Lead Starter Motor
Fuel Shut Off Valve (N/A)	White/Green	Supply
Choke Switch (N/A)	White/Green	Supply
Oil Pressure Switch (N/A)	White/Brown	

Alternator This is pre-wired and connects directly to the alternator.

On the loom at the position of the coil wires there is an extra black earth wire. This should be cut off and sealed, so that it does not short out the rest of the loom.

Positions on engine block of the various components (Those not listed have been mentioned previously):Pinto

Temperature Sender Front near side head beneath inlet manifold.(ohc)on zetec into thermostate housing and on R6(inj)earth the sender with small piece of wire from engine connect the correct wire from loom to sender and heavy tape the sender to top hose approx 80mm from thermostate housing.

Oil Pressure Sender Rear near side midway down.  
Thermostat On top of radiator.

### 24.3 Lights Wiring

#### **What you need:**

Wiring Loom, fitted.  
Male and female connectors.  
Crimps.  
Wire cutters.

<b>Light</b>	<b>Color</b>	
Left Hand Front	Green/Red	Indicator
	Blue/Red	Main Beam
	Blue/White	Dip Beam
	Red	Side
	Black	Earth
Right Hand Front	Green/White	Indicator
	Blue/Red	Main Beam
	Blue/White	Dip Beam

	Red Black	Side Earth
Left Hand Rear	Green/Red Green/Brown Green Purple Black Red	Indicator Reverse Brake Earth Tail
Right Hand Rear	Green/White Green/Brown Green Purple Black Red	Indicator Reverse Brake Earth Tail
Number Plate	Red Black	Supply Earth
Left Hand Front Fog (N/A)	Red/Blue Black	Supply Earth
Right Hand Front Fog (N/A)	Red/Blue Black	Supply Earth
Rear Fog (N/A)	Red/Blue Black Red/White	Supply Earth

#### 24.4 Miscellaneous Wiring

##### **What you need:**

Wiring Loom, fitted.  
Male and female connectors.  
Crimps.  
Wire cutters.

<b>Component</b>	<b>Color</b>	
Washer Motor	Green/Black Black Fuse Box	Supply Earth
Reverse Light Switch	Green Green/Brown	Supply To Lights
Handbrake Switch	Black/White	
Fuel Sender	Green/Black	Gauge

	Black	Earth
Heater Motor	Green/Grey Green/Yellow Black	Speed One Speed Two Earth
Brake Light Switch	Green Green/Purple	Supply To Lights
Fuel Pump (N/A)	White/Purple Black	Supply Earth
Automatic Gearbox (N/A)	Red/White	

For sva requirements the hand brake warning light MUST be wired on same bulb (red) as the brake fluid warning lamp-so the hand brake light “acts” as a test facility.

The fog lamp switch must have a warning lamp bulb -which only comes on when the rear fog is illuminated.—The light in the switch can be used –cut the live feed to the fog lamp switch illumination(on side of switch)and connect to the wire on back of fog switch that goes to rear fog lamp.