E21 4Cyl 4Coil Ext Drv

Last Changed: 14/11/2012

Drawing Ver: 1.0

Note! Remember to put **Coil Driver Trigger Level** on **External Coil Driver** before connecting the 10Way conector

Coil 4 Coil 3 Coil 2 Coil 1

Trigger Trigger Trigger Trigger

R2+   R2+

220R 5W   220R 5W

Ign+ — Ignition Power

⏚ Earth

Terminal Connections with the same name are tied together

Led's Functions
Yellow - Power
Green - RPM Pulse

Green RPM Output

Blue
Red

ECU

PC Plug

Ign+
Red

2

Drivers

Firing Order 1342

R1+

4 3 2 1

1

○ Green
○ Yellow

Black

Black
White

Use 2.5mm or lager wire if enclosure is not earthed to body

Connect to enclosure

Relay

Yellow GP Output 1
Green GP Output 2

Max Load =
2A to Ground or
Connect to Relay

R2+ + Fuel Pump −

Red 2.5mm2 Red Blue

Blue
85   30

87a

86 Red   87   Red

MTA Fuse Box

5A Brown R1+ Bank 1

5A Brown R1+ Power Injectors

Power Relay Injectors

Connector Pinouts

6	7	8	9	10
1	2	3	4	5

Harness Pin View

1. Blue   - Coil 2
2. Green   - Coil 3
3. White   - Inj 1
4. Blue   - Fuel Relay
5. Yellow - GP Output 1
6. Red   - Coil 1
7. Yellow - Coil 4
8. Black   - Inj 2
9. Green   - RPM Output
10. Green - GP Output 2

Ign+

Connect supply wires at the battery terminal !!

Red 2.5mm2

Red

Blue
85   30

87a

86 Red   87   Red

5A Red   R1+ R2+ Bank 1

5A Blue   R2+ Power Coils Bank 2

7.5A Yellow R2+ Fuel Pump

5A Green R2+ Lambda

Power Relay Fuel Pump + Coils

12V Battery