E21 8Cyl 2Inj Ext Drv

Last Changed: 15/11/2012

Drawing Ver: 1.0

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

Ign+
Ignition Power
Earth
Terminal Connections with the same name are tied together

Led's Functions
Yellow - Power
Green - RPM Pulse

ECU
PC Plug
Green
Yellow
Green RPM Output
Ign+
Red
Black
Use 2.5mm or lager wire if enclosure is not earthed to body
Connect to enclosure

Drivers

Coil 1 — From Fuse Box — 220 Ohm Pull-Up Resistor — R2+ — Trigger — Red
Coil 6 — From Fuse Box — R2+ — Trigger — Red
Coil 5 — From Fuse Box — 220 Ohm Pull-Up Resistor — R2+ — Trigger — Blue
Coil 8 — From Fuse Box — R2+ — Trigger — Blue
Coil 4 — From Fuse Box — 220 Ohm Pull-Up Resistor — R2+ — Trigger — Yellow
Coil 7 — From Fuse Box — R2+ — Trigger — Yellow
Coil 2 — From Fuse Box — 220 Ohm Pull-Up Resistor — R2+ — Trigger — Green
Coil 3 — From Fuse Box — R2+ — Trigger — Green

Firing Order
Lexus-Chev 18436572
Nissan 18736542

R1+
7 5 3 1
8 6 4 2
R1+

Black
White
Relay
Yellow GP Output 1
Green GP Output 2
Max Load = 2A to Ground or Connect to Relay

Red 2.5mm2
Red
Blue
Connect supply wires at the battery terminal !!

Blue
85
30
87a
86 Red
87
Power Relay Injectors

MTA Fuse Box
Red — 5A — Brown — R1+ Bank 1
5A — Brown — R1+ Power Injectors Bank 2

Red 2.5mm2
Blue
85
30
87a
Red
86 Red
87
Power Relay Fuel Pump + Coils

5A — Red — R1+ R2+ Bank 1
5A — Blue — R2+ Power Coils Bank 2
7.5A — Yellow — R2+ Fuel Pump
5A — Green — R2+ Lambda

R2+ Fuel Pump

Ign+
12V Battery

Connector Pinouts

6	7	8	9	10
1	2	3	4	5

Harness Pin View

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