Standard - 5V Mag EMU

Harness Required: E01 Ver 1.1 & E04 Ver 1.0
Last Changed: 10/05/2008
Drawing Ver: 1.0

Pin Description
1. Negative - Blue
2. Positive - Red

Harness Connector Pin View

| 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | 2 | 3 | 4 | 5 | 6 |

1. Blue - Air Temp Sensor
2. Blue - TPS Sensor
3. Blue - Map Sensor
4.   - Input Spare
5.   - Hall Input 2
6.   - Hall Input 1
7. Red   - Water Temp Sensor
8. Red   - Lamda Sensor
9. Red   - +5V Output
10. Red - +12V Ign Input
11.   - Magnetic Input 2+
12. Red - Magnetic Input 1+

Harness Connector Pin View

| 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 |

1.
2. Blue   - Injector Out1
3. Blue   - Fuel Relay
4. Yellow - GP Output 1
5. Red   - Coil1-
6.
7.
8. Red   - Injector Out2
9. Green   - RPM Output
10. Green - GP Output 2

Lambda

For Single Wire Lambda connect only to Red

4 Wire Lambda

TOYOTA (Outside or Back Veiw)

Throttle Position Sensor

Red +5V
Blue (Wiper)
Screen -

4 3 2 1

TPS

Ign+ Ignition Power
⏚ Earth

Terminal Connections with the same name are tied together

Led's Functions
Yellow - Power
Green - RPM Pulse

Map Sensor
5V
- S +

Screen
Blue
Red

Map

Green RPM Output
Red Ign+

Yellow TPS Out
Red Ign+

Yellow GP Output 1
Green GP Output 2

Max Load = 500mA to Ground Connect to Relay

EMU Controler

PC Plug

○ Green
○ Yellow

Black
Black

Connect to enclosure

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

Relay
Red   Blue

Red 2.5mm2

Red 2.5mm2

Connect supply wires at the battery terminal !!

Power Relay Injectors
30 87a 87
85 Blue
86 Red

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

R1+ Power Injectors
Spare Do Not Use
R1+ 4 Wire Lambda
Spare Do Not Use
R2+ Coil 1
Spare Do Not Use
R2+ Fuel Pump
R2+ Gearbox Computer

Red   Green   White   Yellow   Blue   Black   Brown   Grey

5A   5A   5A   7.5A   5A

Red   Blue/Red

Fuel Pump
+ -

Ign+

12V Battery
+ -

R2+

Coil
Red
R2+

R1+

Blue
Red
Injector

Water
Air

Blue
Screen
Screen
Red

Sensors

Distributor 3

Lamda
Red
Screen
R1+

Black
Grey
White
White