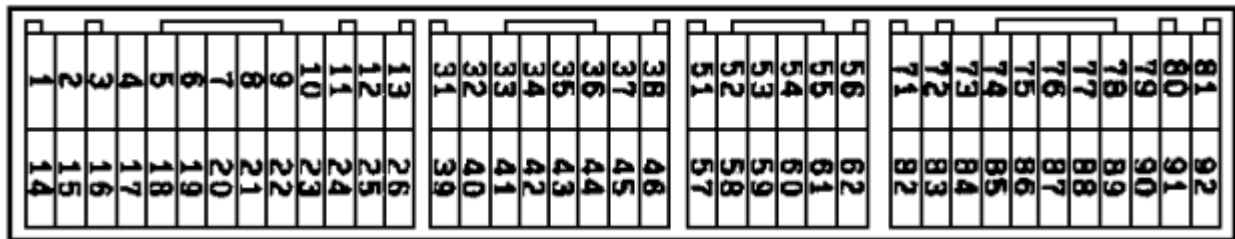


ROAD RACE

ENGINEERING

RRE's US EVO VIII Engine Control Unit Wiring Diagram



| Pin | Connection | Pin | Connection |
|-----|--|-----|--|
| 1 | No. 1 Injector | 14 | No. 2 Injector |
| 2 | No. 3 Injector | 15 | No. 4 Injector |
| 3 | Fuel Pressure Solenoid | 16 | |
| 4 | Idle Speed Control (ISC) Motor Coil (A1) | 17 | ISC Motor Coil (A2) |
| 5 | ISC Motor Coil (B1) | 18 | ISC Motor Coil (B2) |
| 6 | EGR Solenoid | 19 | Volume Air Flow Sensor Reset Signal |
| 7 | | 20 | |
| 8 | A/C | 21 | Cooling Fan Motor Relay (PWM Output) |
| 9 | Evaporate Emission Purge Solenoid | 22 | Fuel Pump Relay |
| 10 | Ignition Power Transistor (for cyl 1&4) | 23 | Ignition Power Transistor (for cyl 2&3) |
| 11 | Turbo Wastegate Solenoid | 24 | A/C |
| 12 | 12V Switched Power Supply | 25 | 12V Switched Power Supply |
| 13 | Chassis Ground | 26 | Chassis Ground |
| | | | |
| Pin | Connection | Pin | Connection |
| 31 | A/C | 39 | Fuel Pump Relay (Additional pressure for higher loads) |
| 32 | A/C | 40 | Sensor Ground (IAT, Cam and Crank Angle Sensors) |
| 33 | Generator G Terminal | 41 | Generator FR terminal |

| | | | |
|----|--|----|-------------------------------------|
| 34 | | 42 | |
| 35 | Intercooler Sprayer | 43 | Clutch Position Switch (Input) |
| 36 | Check Engine Light (Service Engine Soon) | 44 | Intercooler Sprayer |
| 37 | Power Steering Pressure Switch (Input) | 45 | AC switch |
| 38 | MFI Relay (Power Supply) | 46 | Fuel Tank Level (Input) |

| Pin | Connection | Pin | Connection |
|-----|-----------------------------|-----|--|
| 51 | Imobilizer ECU (Anti-Theft) | 57 | Intercooler Sprayer |
| 52 | | 58 | Tach Signal (Output) |
| 53 | | 59 | |
| 54 | O2 Sensor Heater (rear) | 60 | O2 Sensor Heater (front) |
| 55 | EVAP Vent Solenoid Valve | 61 | Fuel Tank Differential Pressure Sensor |
| 56 | | 62 | Data Link Connector |

| Pin | Connection | Pin | Connection |
|-----|---|-----|--|
| 71 | Starter Signal | 82 | Ignition |
| 72 | Intake Air Temp Sensor Signal | 83 | Coolant Temp Sensor Signal |
| 73 | Manifold Differential Pressure Sensor | 84 | Throttle Position Sensor Signal |
| 74 | Sub Fuel Level Sensor | 85 | Barometric Pressure Sensor Signal |
| 75 | O2 Sensor (rear) | 86 | Vehicle Speed Sensor Signal |
| 76 | O2 Sensor (front) | 87 | |
| 77 | Fuel Temperature Sensor | 88 | Camshaft Position Sensor Signal |
| 78 | Knock Sensor | 89 | Crankshaft Position Sensor Signal |
| 79 | Data Link Connector | 90 | Volume Air Flow Sensor Signal |
| 80 | Backup Power Supply (12v Constant Power) | 91 | Intercooler Sprayer |
| 81 | 5V Sensor Power Supply (TPS, MDP, Baro, Fuel Tank Press Sensor) | 92 | Sensor Ground (O2 Sensors, Coolant Temp, TPS, MDP, Fuel Tank Press Sensor) |

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