

COLOUR KEY

- A: Orange
- Az: Sky Blue
- B: Blue
- Bl: White
- G: Yellow
- Gr: Grey
- M: Brown
- N: Black
- R: Red
- Ro: Pink
- V: Green
- Vi: Purple

DIAGRAM COLOURS - KEY

- POWER SUPPLY
- GROUND
- ENABLING SIGNAL
- ENABLING SIGNAL

ABS CONTROL UNIT PIN-OUT

- 01 GROUND
- 02 VEHICLE IDENTIFICATION (1)
- 03 SPEED VEHICLE OUTPUT
- 04 KEY INPUT
- 05 CAN H LINE (HIGH SPEED)
- 06 CAN L LINE (LOW SPEED)
- 07 HORN
- 08 ABS WARNING LIGHT
- 09 -
- 10 -
- 11 REAR SPEED SENSOR SIGNAL
- 12 REAR SPEED SENSOR GROUND
- 13 FRONT SPEED SENSOR SIGNAL
- 14 FRONT STOP SWITCH
- 15 VEHICLE IDENTIFICATION (2)
- 16 SERIAL K LINE FOR DIAGNOSIS
- 17 -
- 18 BATTERY-POWERED

KEY

- 01 MULTIPLE CONNECTORS
- 02 FOG LIGHT SWITCH (WHERE PROVIDED)
- 03 LOW-BEAM LIGHT RELAY
- 04 HIGH-BEAM LIGHT RELAY
- 05 LIGHT LOGIC RELAY
- 06 LEFT LIGHT SWITCH
- 07 HORN
- 08 ABS WARNING SENSOR
- 09 -
- 10 INSTRUMENT PANEL
- 11 HEATED HANDGRIPS (WHERE PROVIDED)
- 12 GPS SUPPLY
- 13 RIGHT LIGHT SWITCH
- 14 FRONT STOP SWITCH
- 15 REAR STOP SWITCH
- 16 CLUTCH SWITCH
- 17 KEY SWITCH
- 18 RECOVERY LOGIC RELAY
- 19 RECOVERY LOGIC RELAY
- 20 RIGHT FRONT FOG LIGHT (OPTIONAL)
- 21 LEFT FRONT FOG LIGHT (OPTIONAL)
- 22 LICENSE PLATE LIGHT BULB
- 23 ANTI-HEAT DEVICE ECU (OPTIONAL)
- 24 ANTI-HEAT LED
- 25 ABS CONTROL UNIT
- 26 ABS FRONT SENSOR
- 27 ABS REAR SENSOR
- 28 START-UP RELAY
- 29 STARTER MOTOR
- 30 MAIN FUSES
- 31 BATTERY
- 32 GENERATOR
- 33 HEATED SADDLE SOCKET
- 34 DIAGNOSIS CONNECTOR
- 35 SECONDARY INJECTION RELAY
- 36 MAIN INJECTION RELAY
- 37 FUEL RESERVE SENSOR
- 38 FUEL PUMP
- 39 OIL PRESSURE SENSOR
- 40 ENGINE TEMPERATURE SENSOR
- 41 FALL SENSOR (OPTIONAL)
- 42 SIDE STAND SWITCH
- 43 GEAR SENSOR
- 44 LAMBDA PROBE 2 (DX)
- 45 LAMBDA PROBE 1 (LX)
- 46 RIGHT CYLINDER INJECTOR
- 47 LEFT CYLINDER INJECTOR
- 48 COIL
- 49 MAP SENSOR
- 50 MOTORIZED THROTTLE
- 51 HAND GRIP POSITION SENSOR
- 52 REVOLUTION SENSOR
- 53 TSM CONTROL UNIT
- 54 LEFT FRONT FOG LIGHT (WHERE PROVIDED)
- 55 FRONT LEFT TURN INDICATOR
- 56 HEAD LIGHT ASSEMBLY
- 57 DAYLIGHT RUNNING LIGHTS AND DRL
- 58 HIGH-BEAM BULB
- 59 FRONT RIGHT TURN INDICATOR
- 60 FRONT RIGHT FOG LIGHT (WHERE PROVIDED)
- 61 RIGHT FRONT FOG LIGHT (WHERE PROVIDED)
- 62 AUXILIARY FUSES
- 63 FOG LIGHTS RELAY (WHERE PROVIDED)
- 64 THERMOSWITCH
- 65 FAN

7SM CONTROL UNIT PINOUT

- 01 RH CYLINDER LATERAL SPARK PLUG COIL COMMAND OUTPUT
- 02 LH CYLINDER LATERAL SPARK PLUG COIL COMMAND OUTPUT
- 03 -
- 04 SENSOR GROUND 2
- 05 POWER GROUND
- 06 SENSOR GROUND 1
- 07 -
- 08 -
- 09 RH OXYGEN SENSOR INPUT (+)
- 10 LH OXYGEN SENSOR INPUT (-)
- 11 THROTTLE GRIP POTENTIOMETER TRACK D INPUT
- 12 ENGINE TEMPERATURE
- 13 THROTTLE GRIP POTENTIOMETER TRACK B INPUT
- 14 SERIAL K LINE FOR DIAGNOSIS
- 15 -
- 16 GROUND
- 17 SENSOR GROUND 1
- 18 -
- 19 -
- 20 ENGINE SPEED SENSOR INPUT (-)
- 21 -
- 22 LH OXYGEN SENSOR INPUT (-)
- 23 THROTTLE GRIP POTENTIOMETER TRACK C INPUT
- 24 INTAKE MANIFOLD PRESSURE SENSOR INPUT
- 25 +5V REFERENCE VOLTAGE OUTPUT POT. TRACKS A-C
- 26 THROTTLE VALVE AND PRESSURE SENSOR MAP
- 27 +5V REFERENCE VOLTAGE OUTPUT TRACKS B-D AND FALL SENSOR
- 28 RH CYLINDER CENTRAL SPARK PLUG COIL COMMAND OUTPUT
- 29 THROTTLE VALVE MOTOR DRIVE OUTPUT (-)
- 30 -
- 31 RECOVERY LOGIC RELAY COMMAND OUTPUT (STOP LIGHT)
- 32 LH OXYGEN SENSOR HEATER COMMAND OUTPUT
- 33 -
- 34 -
- 35 ENGINE SPEED SENSOR INPUT (+)
- 36 -
- 37 AIR TEMPERATURE SENSOR INPUT
- 38 RH OXYGEN SENSOR INPUT (-)
- 39 THROTTLE GRIP POTENTIOMETER TRACK A INPUT
- 40 KEY INPUT
- 41 THROTTLE VALVE MOTOR DRIVE OUTPUT (+)
- 42 KEY INPUT
- 43 RH OXYGEN SENSOR HEATER COMMAND OUTPUT
- 44 -
- 45 -
- 46 THROTTLE VALVE POTENTIOMETER 1 SIGNAL INPUT
- 47 -
- 48 THROTTLE VALVE POTENTIOMETER 2 SIGNAL INPUT
- 49 -
- 50 THROTTLE VALVE AND PRESSURE SENSOR (MAP)
- 51 +5V REFERENCE VOLTAGE OUTPUT POT. TRACKS A-C
- 52 DIRECT ECU POWER FEED
- 53 LH CYLINDER INJECTOR COMMAND OUTPUT
- 54 -
- 55 NORMALLY CLOSED CLUTCH SWITCH INPUT
- 56 SENSOR GROUND 2
- 57 ENGINE START BUTTON INPUT
- 58 -
- 59 -
- 60 -
- 61 -
- 62 -
- 63 +5V REFERENCE VOLTAGE OUTPUT TRACKS B-D AND FALL SENSOR
- 64 IDLE SIGNAL INPUT
- 65 FALL SENSOR INPUT
- 66 CAN L LINE (HIGH SPEED)
- 67 RH CYLINDER INJECTOR COMMAND OUTPUT
- 68 -
- 69 STARTER RELAY COMMAND OUTPUT
- 70 SIDE STAND SIGNAL INPUT
- 71 GEAR SENSOR INPUT
- 72 SECONDARY INJECTION RELAY COMMAND OUTPUT
- 73 -
- 74 -
- 75 NORMALLY OPEN CLUTCH SWITCH INPUT
- 76 -
- 77 "ENGINE STOP" INPUT
- 78 VEHICLE SPEED INPUT
- 80 CAN H LINE (HIGH SPEED)

INSTRUMENT PANEL PINOUT

- 01 BATTERY POSITIVE
- 02 LH FRONT TURN INDICATOR OUTPUT
- 03 RH FRONT TURN INDICATOR OUTPUT
- 04 GROUND
- 05 GROUND
- 06 GROUND
- 07 LEFT HAND GRIP
- 08 AIR TEMPERATURE
- 09 SERIAL K LINE FOR DIAGNOSIS
- 10 CAN L LINE (HIGH SPEED)
- 11 BATTERY POSITIVE
- 12 LH REAR TURN INDICATOR OUTPUT
- 13 RH REAR TURN INDICATOR OUTPUT
- 14 LIGHTS RELAY
- 15 GROUND FOR SENSORS
- 16 SENSOR GROUND
- 17 REAR HAND GRIP
- 18 FUEL SENSOR
- 19 CAN H LINE (HIGH SPEED)
- 20 ANTENNA A
- 21 BATTERY POSITIVE
- 22 RH TURN INDICATOR COMMAND
- 23 DRL INPUT
- 24 HIGH BEAM INPUT
- 25 CRUISE CONTROL BUTTON INPUT
- 26 CONFIRM COMMAND
- 27 DOWN COMMAND
- 28 UP COMMAND
- 29 NORMALLY CLOSED FRONT STOP SWITCH INPUT
- 30 ANTENNA B
- 31 IGNITION SWITCH POSITIVE
- 32 LH TURN INDICATOR COMMAND
- 33 NORMALLY OPEN FRONT STOP SWITCH INPUT
- 34 HAZARD LIGHTS INPUT
- 35 GRIPS COMMAND
- 36 REVERSE TURN INDICATORS COMMAND
- 37 OIL PRESSURE
- 38 NORMALLY OPEN REAR STOP SWITCH INPUT
- 39 NORMALLY CLOSED REAR STOP SWITCH INPUT
- 40 ABS WARNING LIGHT

