

COLOUR KEY

Az Orange
 Az Sky blue
 B Blue
 BI 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 GROUND
 14 FRONT SPEED SENSOR SIGNAL
 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 AIR TEMPERATURE 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 IMMOBILIZER AERIAL
 19 RECOVERY LOGIC RELAY
 20 RIGHT FRONT FOG LIGHT (OPTIONAL)
 21 LEFT FRONT FOG LIGHT (OPTIONAL)
 22 LICENSE PLATE LIGHT BULB
 23 ANTI-THIEF DEVICE ECU (OPTIONAL)
 24 ANTI-THIEF 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 LOW-BEAM BULB
 60 FRONT RIGHT TURN INDICATOR
 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 LIGHT
 31 RECOVERY LOGIC RELAY COMMAND OUTPUT (STOP)
 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 -
 44 RH OXYGEN SENSOR HEATER COMMAND OUTPUT
 45 -
 46 -
 47 THROTTLE VALVE POTENTIOMETER 1 SIGNAL INPUT
 48 THROTTLE VALVE POTENTIOMETER 2 SIGNAL INPUT
 49 THROTTLE VALVE AND PRESSURE SENSOR (MAP)
 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 -
 56 NORMALLY CLOSED CLUTCH SWITCH INPUT
 57 SENSOR GROUND 2
 58 ENGINE START BUTTON INPUT
 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 SECONDARY INJECTION RELAY COMMAND OUTPUT
 71 GEAR SENSOR INPUT
 72 SIDE STAND SIGNAL INPUT
 73 -
 74 -
 75 NORMALLY OPEN CLUTCH SWITCH INPUT
 76 "ENGINE STOP" INPUT
 77 VEHICLE SPEED INPUT
 78 CAN H LINE (HIGH SPEED)
 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 LEFT 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 RESET TURN INDICATORS COMMAND
 37 OIL PRESSURE
 38 NORMALLY OPEN REAR STOP SWITCH INPUT
 39 NORMALLY CLOSED REAR STOP SWITCH INPUT
 40 ABS WARNING LIGHT

