

COLOUR KEY

Ar 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 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 LH CYLINDER CENTRAL SPARK PLUG COIL COMMAND OUTPUT
30 THROTTLE VALVE MOTOR DRIVE OUTPUT (-)
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 -
44 RH OXYGEN SENSOR HEATER COMMAND OUTPUT
45 -
46 -
47 THROTTLE VALVE POTENTIOMETER 1 SIGNAL INPUT
48 -
49 THROTTLE VALVE POTENTIOMETER 2 SIGNAL INPUT
50 +5V REFERENCE VOLTAGE OUTPUT. POT. TRACKS A-C.
51 THROTTLE VALVE AND PRESSURE SENSOR (MAP)
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 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
79 CAN H LINE (HIGH SPEED)
80 CAN L 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

