

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

KEY

- 1 MULTIPLE CONNECTORS
 - 2 HORN
 - 3 LEFT LIGHT SWITCH
 - 4 AIR TEMPERATURE SENSOR
 - 5 INSTRUMENT PANEL
 - 6 RIGHT LIGHT SWITCH ('DRL' ON)
 - 7 STARTER MOTOR CONNECTOR
 - 8 REAR STOP SWITCH
 - 9 CLUTCH SWITCH
 - 10 KEY SWITCH
 - 11 IMMOBILIZER AERIAL
 - 12 REAR LIGHT ASSEMBLY
 - 13 REAR RIGHT TURN INDICATOR
 - 14 FAN (RH)
 - 15 REAR LEFT TURN INDICATOR
 - 16 ANTI THEFT DEVICE ECU (OPTIONAL)
 - 17 HEATED HANDGRIPS (OPTIONAL)
 - 18 ANTI THEFT LED (OPTIONAL)
 - 19 ABS FRONT SENSOR
 - 20 ABS REAR SENSOR
 - 21 ABS CONTROL UNIT
 - 22 USB SOCKET
 - 23 FAN CONTROL RELAY
 - 24 FAN (LH)
 - 25 AUXILIARY FUSES 2
 - 26 GENERATOR
 - 27 VOLTAGE REGULATOR
 - 28 STARTER MOTOR
 - 29 START-UP RELAY
 - 30 MAIN FUSE
 - 31 BATTERY
 - 32 SIDE STAND SWITCH
 - 33 AUXILIARY FUSES 1
 - 34 RIGHT LIGHT SWITCH ('DRL' OFF)
 - 35 FUEL PUMP RELAY
 - 36 INJECTION RELAY
 - 37 FUEL RESERVE SENSOR
 - 38 FUEL PUMP
 - 39 CANISTER VALVE
 - 40 HAND GRIP POSITION SENSOR
 - 41 SECONDARY AIR
 - 42 QUICK-SHIFT SWITCH
 - 43 GEAR SENSOR
 - 44 CYLINDER 2 LAMBDA PROBE
 - 45 CYLINDER 1 LAMBDA PROBE
 - 46 CYLINDER 2 INJECTOR
 - 47 CYLINDER 1 INJECTOR
 - 48 CYLINDER 2 COIL
 - 49 CYLINDER 1 COIL
 - 50 MAP SENSOR
 - 51 MOTORIZED THROTTLE
 - 52 INTAKE AIR TEMPERATURE SENSOR
 - 53 ENGINE TEMPERATURE SENSOR
 - 54 REVOLUTION SENSOR
 - 55 OIL PRESSURE SENSOR
 - 56 GEN11 CONTROL UNIT
 - 57 OBD SOCKET
 - 58 AMP PRE-INSTALLATION (OPTIONAL)
 - 59 FRONT LEFT TURN INDICATOR
 - 60 HEAD LIGHT ASSEMBLY (LED)
 - 61 DRL
 - 62 HIGH BEAM LIGHT (LED)
 - 63 LOW BEAM LIGHT (LED)
 - 64 DRL
 - 65 FRONT RIGHT TURN INDICATOR
 - 66 FUEL LEVEL SENSOR
 - 67 GROUND LEAD
 - 68 ENGINE HEAD GROUND
 - 69 DIAGNOSTIC PLUG (CAN)
 - 70 OIL TEMPERATURE SENSOR
 - 71 FOG LIGHTS (OPTIONAL)
 - 72 FOG LIGHTS RELAY (OPTIONAL)
 - 73 FALL SENSOR
- GEN11 CONTROL UNIT PINOUT**
- VEHICLE CONNECTOR**
- 1 INJECTION LOADS POWER SUPPLY
 - 2 INJECTION LOADS POWER SUPPLY
 - 3 BATTERY POSITIVE
 - 4 INJECTION LOADS POWER SUPPLY
 - 5 GROUND
 - 6 GROUND
 - 7 GROUND
 - 8 GROUND
 - 9 -
 - 10 -
 - 11 BRAKE LIGHT
 - 12 -
 - 13 IGNITION SWITCH POSITIVE
 - 14 REAR STOP SWITCH
 - 15 STARTER BUTTON
 - 16 STARTER MOTOR CONNECTOR
 - 17 RUN-STOP
 - 18 INJECTION RELAY
 - 19 FAN CONTROL RELAY
 - 20 -
 - 21 -
 - 22 SIDE STAND SWITCH
 - 23 REAR STOP SWITCH
 - 24 SIDE STAND SWITCH
 - 25 CLUTCH SWITCH
 - 26 GROUND
 - 27 -
 - 28 GROUND
 - 29 -
 - 30 CAN L LINE (DIAGNOSIS)
 - 31 CLUTCH SWITCH
 - 32 -
 - 33 -
 - 34 -
 - 35 -
 - 36 -
 - 37 -
 - 38 FUEL PUMP RELAY
 - 39 CAN H LINE (DIAGNOSIS)
 - 40 -
 - 41 -
 - 42 SENSORS GROUND
 - 43 SENSORS GROUND
 - 44 SENSORS GROUND
 - 45 -
 - 46 -
 - 47 -
 - 48 -
 - 49 CAN H LINE
 - 50 -
 - 51 SENSORS POWER SUPPLY
 - 52 SENSORS POWER SUPPLY
 - 53 SENSORS POWER SUPPLY
 - 54 SENSORS GROUND
 - 55 -
 - 56 -
 - 57 CAN L LINE
 - 58 -
 - 59 HAND GRIP POSITION SENSOR 1
 - 60 HAND GRIP POSITION SENSOR 2
 - 61 FALL SENSOR
 - 62 -
 - 63 -
 - 64 -
 - 65 START-UP RELAY
 - 66 GROUND
- ENGINE CONNECTOR**
- 1 MOTORIZED THROTTLE (DBW1)
 - 2 -
 - 3 -
 - 4 - CYLINDER 2 LAMBDA PROBE HEATER
 - 5 CANISTER VALVE
 - 6 MOTORIZED THROTTLE (DBW1)
 - 7 -
 - 8 -
 - 9 -
 - 10 - CYLINDER 1 LAMBDA PROBE HEATER
 - 11 -
 - 12 -
 - 13 -
 - 14 -
 - 15 CYLINDER 1 INJECTOR
 - 16 CYLINDER 2 COIL
 - 17 CYLINDER 1 COIL
 - 18 CYLINDER 2 INJECTOR
 - 19 -
 - 20 -
 - 21 -
 - 22 MOTORIZED THROTTLE (TPS1)
 - 23 - CYLINDER 1 LAMBDA PROBE
 - 24 + CYLINDER 1 LAMBDA PROBE
 - 25 -
 - 26 - CYLINDER 2 LAMBDA PROBE
 - 27 -
 - 28 -
 - 29 -
 - 30 SECONDARY AIR
 - 31 -
 - 32 GEAR SENSOR
 - 33 OIL TEMPERATURE SENSOR
 - 34 -
 - 35 -
 - 36 + CYLINDER 2 LAMBDA PROBE
 - 37 -
 - 38 -
 - 39 -
 - 40 -
 - 41 QUICK-SHIFT SWITCH
 - 42 -
 - 43 -
 - 44 SENSORS GROUND
 - 45 SENSORS GROUND
 - 46 SENSORS GROUND
 - 47 -
 - 48 -
 - 49 -
 - 50 -
 - 51 MOTORIZED THROTTLE (TPSRED1)
 - 52 -
 - 53 -
 - 54 SENSORS POWER SUPPLY
 - 55 -
 - 56 -
 - 57 SENSORS POWER SUPPLY
 - 58 -
 - 59 GEAR SENSOR (NEUTRAL)
 - 60 REVOLUTION SENSOR (+)
 - 61 -
 - 62 -
 - 63 INTAKE AIR TEMPERATURE SENSOR
 - 64 -
 - 65 -
 - 66 -
 - 67 SENSORS POWER SUPPLY
 - 68 -
 - 69 -
 - 70 REVOLUTION SENSOR (-)
 - 71 MAP SENSOR
 - 72 -
 - 73 ENGINE TEMPERATURE SENSOR
 - 74 -
 - 75 SENSORS GROUND
 - 76 -
 - 77 -
 - 78 OIL PRESSURE SENSOR
 - 79 -
 - 80 -
- INSTRUMENT PANEL PINOUT**
- 1 HANDGRIP "A"
 - 2 FUEL RESERVE SENSOR
 - 3 DRL STATUS
 - 4 LH TURN INDICATOR COMMAND
 - 5 RH TURN INDICATOR COMMAND
 - 6 RESET ARROWS
 - 7 -
 - 8 RIDING MODE
 - 9 BATTERY POSITIVE
 - 10 HANDGRIP "B"
 - 11 -
 - 12 MODE U
 - 13 MODE D
 - 14 MODE R
 - 15 MODE SET
 - 16 IGNITION SWITCH POSITIVE
 - 17 BATTERY POSITIVE
 - 18 ANTENNA B
 - 19 FUEL LEVEL SENSOR
 - 20 CRUISE UP
 - 21 CRUISE DOWN
 - 22 AIR TEMPERATURE SENSOR
 - 23 CRUISE SET
 - 24 GROUND
 - 25 GROUND
 - 26 ANTENNA A
 - 27 CAN H LINE
 - 28 CAN L LINE
 - 29 -
 - 30 FRONT RIGHT TURN INDICATOR
 - 31 REAR RIGHT TURN INDICATOR
 - 32 FRONT LEFT TURN INDICATOR
 - 33 REAR LEFT TURN INDICATOR
 - 34 SENSORS GROUND
 - 35 -
 - 36 -
 - 37 -
 - 38 -
 - 39 -
 - 40 -
 - 41 -
 - 42 -
 - 43 -
 - 44 SENSORS GROUND
 - 45 SENSORS GROUND
 - 46 SENSORS GROUND
 - 47 -
 - 48 -
 - 49 -
 - 50 -
 - 51 MOTORIZED THROTTLE (TPSRED1)
 - 52 -
 - 53 -
 - 54 SENSORS POWER SUPPLY
 - 55 -
 - 56 -
 - 57 SENSORS POWER SUPPLY
 - 58 -
 - 59 GEAR SENSOR (NEUTRAL)
 - 60 REVOLUTION SENSOR (+)
 - 61 -
 - 62 -
 - 63 INTAKE AIR TEMPERATURE SENSOR
 - 64 -
 - 65 -
 - 66 -
 - 67 SENSORS POWER SUPPLY
 - 68 -
 - 69 -
 - 70 REVOLUTION SENSOR (-)
 - 71 MAP SENSOR
 - 72 -
 - 73 ENGINE TEMPERATURE SENSOR
 - 74 -
 - 75 SENSORS GROUND
 - 76 -
 - 77 -
 - 78 OIL PRESSURE SENSOR
 - 79 -
 - 80 -
- ABS CONTROL UNIT PINOUT**
- 1 BATTERY POSITIVE
 - 2 IGNITION SWITCH POSITIVE
 - 3 -
 - 4 LED
 - 5 TURN INDICATORS
 - 6 TURN INDICATORS
 - 7 GROUND
 - 8 -
 - 9 GEN11 CONTROL UNIT
 - 10 RUN-STOP
 - 11 -
 - 12 -
- ANTI THEFT DEVICE ECU PINOUT**
- 1 BATTERY POSITIVE
 - 2 IGNITION SWITCH POSITIVE
 - 3 -
 - 4 LED
 - 5 TURN INDICATORS
 - 6 TURN INDICATORS
 - 7 GROUND
 - 8 -
 - 9 GEN11 CONTROL UNIT
 - 10 RUN-STOP
 - 11 -
 - 12 -

