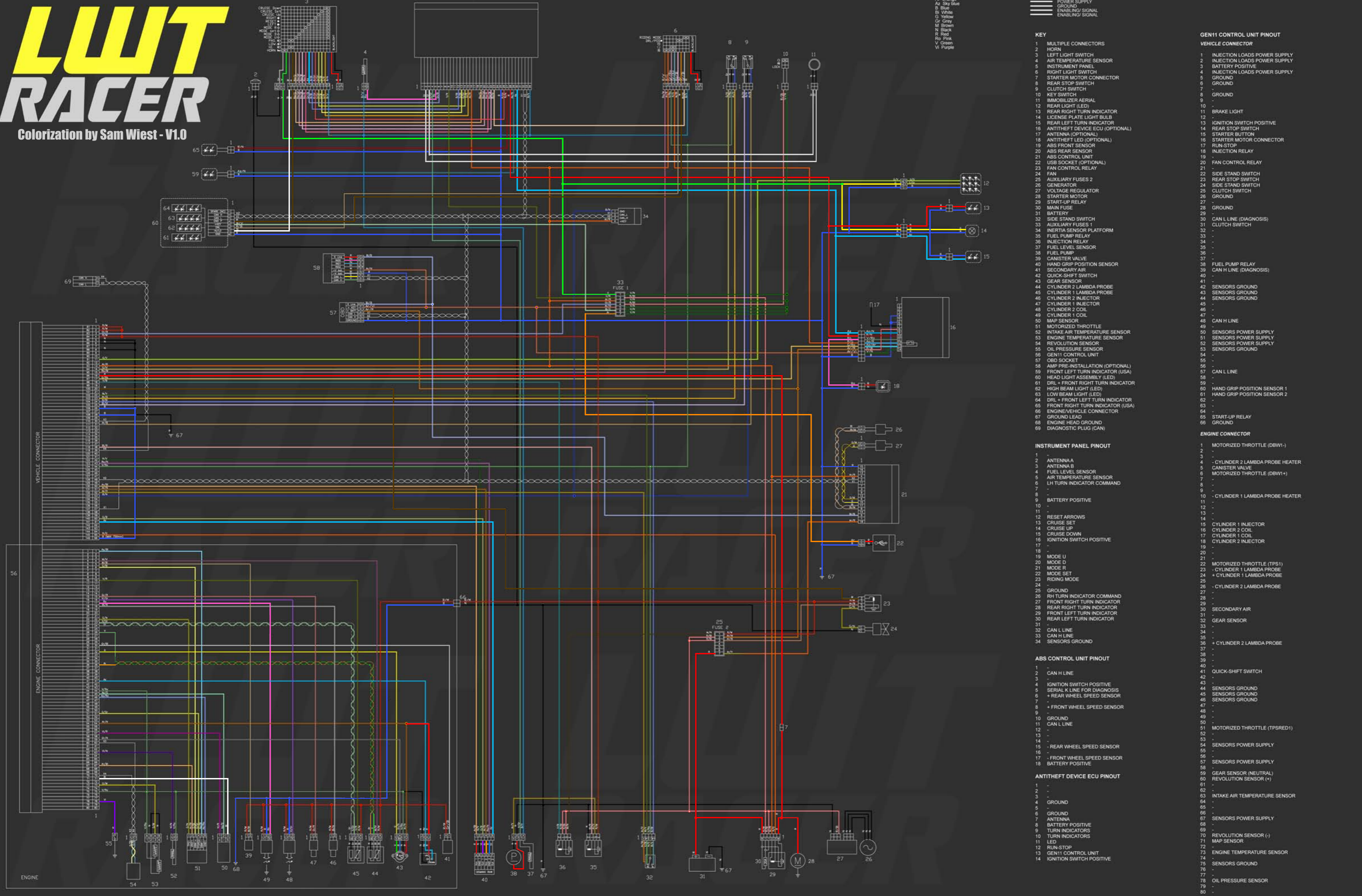


LWT RACER

Colorization by Sam Wiest - V1.0



COLOR KEY

- A: Orange
- B: Sky Blue
- C: Blue
- D: White
- E: Yellow
- F: Grey
- G: Brown
- H: Black
- I: Red
- J: Pink
- K: Green
- L: 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
- 7 STARTER MOTOR CONNECTOR
- 8 REAR STOP SWITCH
- 9 CLUTCH SWITCH
- 10 KEY SWITCH
- 11 IMMOBILIZER AERIAL
- 12 REAR LIGHT (LED)
- 13 REAR RIGHT TURN INDICATOR
- 14 LICENSE PLATE LIGHT BULB
- 15 REAR LEFT TURN INDICATOR
- 16 ANTITHEFT DEVICE ECU (OPTIONAL)
- 17 ANTENNA (OPTIONAL)
- 18 ANTITHEFT LED (OPTIONAL)
- 19 ABS FRONT SENSOR
- 20 ABS REAR SENSOR
- 21 ABS CONTROL UNIT
- 22 USB SOCKET (OPTIONAL)
- 23 FAN CONTROL RELAY
- 24 FAN
- 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 INERTIA SENSOR PLATFORM
- 35 FUEL PUMP RELAY
- 36 INJECTION RELAY
- 37 FUEL LEVEL 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 GEN1 CONTROL UNIT
- 57 OBD SOCKET
- 58 AMP PRE-INSTALLATION (OPTIONAL)
- 59 FRONT LEFT TURN INDICATOR (USA)
- 60 HEAD LIGHT ASSEMBLY (LED)
- 61 DRL + FRONT RIGHT TURN INDICATOR
- 62 HIGH BEAM LIGHT (LED)
- 63 LOW BEAM LIGHT (LED)
- 64 DRL + FRONT LEFT TURN INDICATOR
- 65 FRONT RIGHT TURN INDICATOR (USA)
- 66 ENGINE/VEHICLE CONNECTOR
- 67 GROUND LEAD
- 68 ENGINE HEAD GROUND
- 69 DIAGNOSTIC PLUG (CAN)

GEN1 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 -
 - 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 -
 - 20 FAN CONTROL RELAY
 - 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 CAN H LINE
 - 49 SENSORS POWER SUPPLY
 - 50 SENSORS POWER SUPPLY
 - 51 SENSORS POWER SUPPLY
 - 52 SENSORS POWER SUPPLY
 - 53 SENSORS GROUND
 - 54 -
 - 55 -
 - 56 -
 - 57 CAN L LINE
 - 58 -
 - 59 -
 - 60 HAND GRIP POSITION SENSOR 1
 - 61 HAND GRIP POSITION SENSOR 2
 - 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 -
 - 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 (TPSRD1)
 - 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 -
- 2 ANTENNA A
- 3 ANTENNA B
- 4 FUEL LEVEL SENSOR
- 5 AIR TEMPERATURE SENSOR
- 6 LH TURN INDICATOR COMMAND
- 7 -
- 8 -
- 9 BATTERY POSITIVE
- 10 -
- 11 -
- 12 RESET ARROWS
- 13 CRUISE SET
- 14 CRUISE UP
- 15 CRUISE DOWN
- 16 IGNITION SWITCH POSITIVE
- 17 -
- 18 -
- 19 MODE U
- 20 MODE D
- 21 MODE R
- 22 MODE SET
- 23 RIDING MODE
- 24 -
- 25 GROUND
- 26 RH TURN INDICATOR COMMAND
- 27 FRONT RIGHT TURN INDICATOR
- 28 REAR RIGHT TURN INDICATOR
- 29 FRONT LEFT TURN INDICATOR
- 30 REAR LEFT TURN INDICATOR
- 31 -
- 32 CAN L LINE
- 33 CAN H LINE
- 34 SENSORS GROUND

ABS CONTROL UNIT PINOUT

- 1 -
- 2 CAN H LINE
- 3 -
- 4 IGNITION SWITCH POSITIVE
- 5 SERIAL K LINE FOR DIAGNOSIS
- 6 + REAR WHEEL SPEED SENSOR
- 7 -
- 8 + FRONT WHEEL SPEED SENSOR
- 9 -
- 10 GROUND
- 11 CAN L LINE
- 12 -
- 13 -
- 14 -
- 15 - REAR WHEEL SPEED SENSOR
- 16 -
- 17 - FRONT WHEEL SPEED SENSOR
- 18 BATTERY POSITIVE

ANTITHEFT DEVICE ECU PINOUT

- 1 -
- 2 -
- 3 -
- 4 GROUND
- 5 -
- 6 GROUND
- 7 ANTENNA
- 8 BATTERY POSITIVE
- 9 TURN INDICATORS
- 10 TURN INDICATORS
- 11 LED
- 12 RUN-STOP
- 13 GEN1 CONTROL UNIT
- 14 IGNITION SWITCH POSITIVE