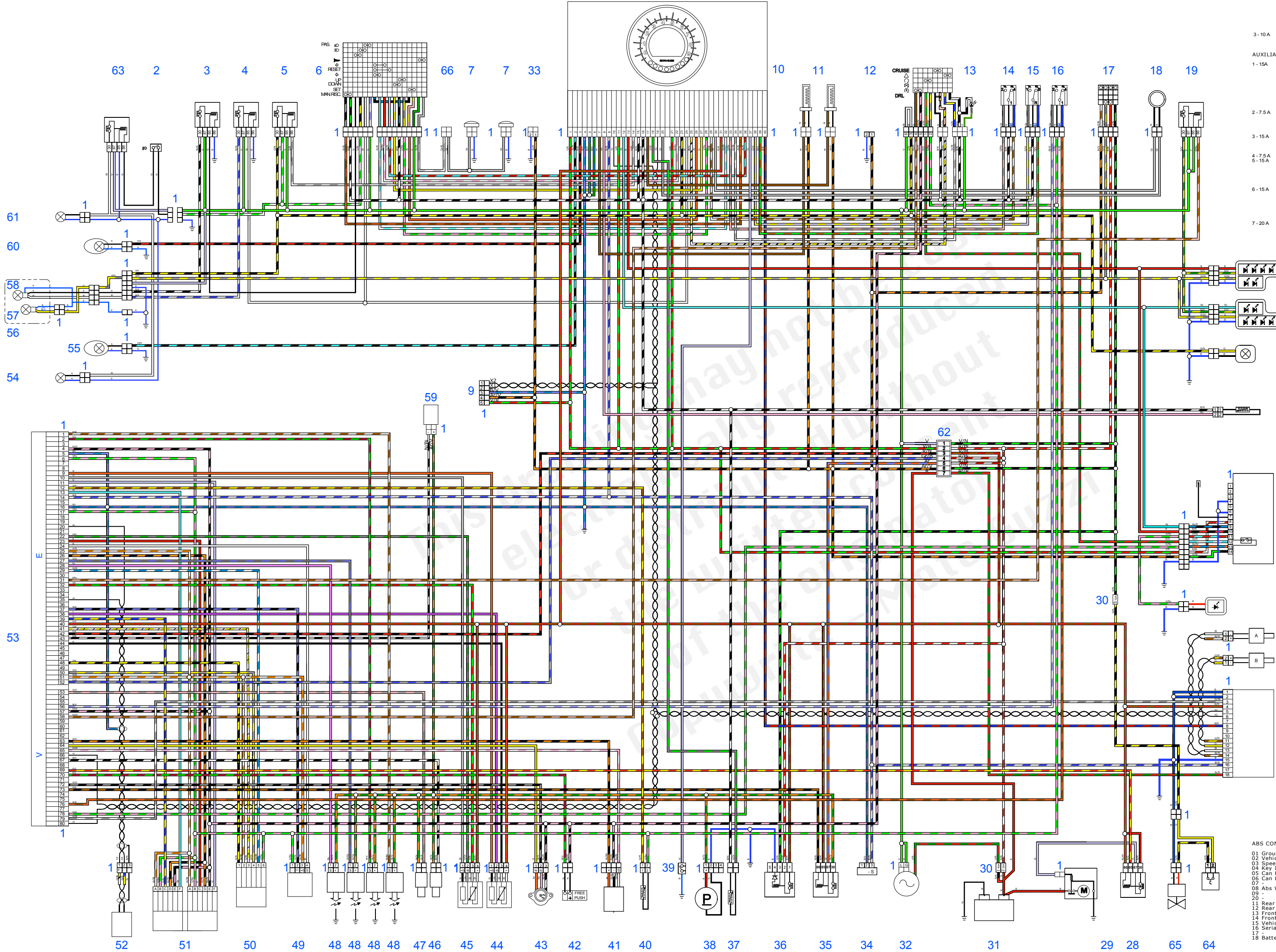


COLOR KEY	
A	Orange
B	Blue
C	Sky Blue
D	White
E	Yellow
F	Grey
G	Brown
H	Black
I	Red
J	Pink
K	Green
L	Purple



MAIN FUSES

- 1-40 A Battery Recharge
- 2-30 A Auxiliary Fuses 2-3-4-5
- + KEY:
- Main Fuses 3
- Auxiliary Fuses 1-6
- Main Injection Relay
- Secondary Injection Relay
- Instrument Panel
- 7SM Control Unit
- ABS Control Unit
- Oxygen Sensor Heater
- Thermostat
- 3-10 A + KEY:
- Thermostat
- 1-15 A + KEY:
- Horn
- Low Beam/High Beam Bulb
- Daylight Running Lights and DRL
- Brake Lamp
- Fog Lamps
- Fog Light (where provided)
- Hazard Button Lighting
- 2-7.5 A Anti-Theft Device ECU (where Provided)
- Instrument Panel
- Blue Dash Pre-Installation
- 3-15 A + KEY:
- 7SM Control Unit
- 4-7.5 A TSM Control Unit
- 5-15 A + KEY:
- Fuel Pump
- 6-15 A + KEY:
- GPS Coupling
- Blue Dash Pre-Installation
- Heated Handgrip (where provided)
- Heated Saddle Socket
- 7-20 A ABS Control Unit

KEY

- 01 Multiple Connectors
- 02 Fog Lamp Switch (where provided)
- 03 Low Beam Light Relay
- 04 High Beam Light Relay
- 05 Light Relay
- 06 Left Light Switch
- 07 Horn
- 08 Air Temperature Sensor
- 09 Blush Pre-Installation
- 10 Instrument Panel
- 11 Heated Handgrip
- 12 Power Supply for GPS
- 13 Right Light Switch
- 14 14 Front Stop Switch
- 15 Rear Stop Switch
- 16 Clutch Switch
- 17 Ignition Switch
- 18 Immobilizer Aerial
- 19 Recovery Logic Relay
- 20 Right Tail Light
- 21 Left Tail Light
- 22 License Plate Bulb
- 23 Anti-Theft Control Unit (if fitted)
- 24 Anti-Theft Led
- 25 Abs Control Unit
- 26 Front Abs Sensor
- 27 Rear Abs Sensor
- 28 Brake Lamp
- 29 Starter Motor
- 30 Main Fuses
- 31 Battery
- 32 Alternator
- 33 Heated Saddle Socket
- 34 Diagnostic Connect
- 35 Auxiliary Injection Relay
- 36 Main Injection Relay
- 37 Fuel Reserve Sensor
- 38 Fuel Pump
- 39 Oil Pressure Sensor
- 40 Engine Temperature Sensor
- 41 Fall Sensor (if fitted)
- 42 Side Stand Switch
- 43 Clear Sensor
- 44 Lambda Sensor 2 (right)
- 45 Lambda Sensor 1 (left)
- 46 Right Cylinder Injector
- 47 Left Cylinder Injector
- 48 Coil
- 49 Map Sensor
- 50 Modified Throttle
- 51 Handgrip Position Sensor
- 52 Engine Speed Sensor
- 53 TSM Control Unit
- 54 Left Fog Light (if applicable)
- 55 Front Left Turn Indicator
- 56 Complete Headlamp
- 57 Heated Light
- 58 Low/high Beam Headlight
- 59 Secondary Air System
- 60 Front Right Turn Indicator
- 61 Right Fog Light (if applicable)
- 62 Auxiliary Fuses
- 63 Fog Lamp Relay
- 64 Thermal Switch
- 65 Fan
- 66 Cobra Pre-Installation for Anti-Theft Device

7SM CONTROL UNIT PINOUT

- 01 RH Cylinder Lateral Spark Plug Coil Command Output
- 02 LH Cylinder Lateral Spark Plug Coil Command Output
- 03 Sensor Ground 2
- 04 Sensor Ground 1
- 05 -
- 06 -
- 07 -
- 08 -
- 09 RH Oxygen Sensor Input (+)
- 10 LH Oxygen Sensor Input (+)
- 11 Throttle Grip Potentiometer Track D Input
- 12 Engine Temperature
- 13 Throttle Valve and Pressure Sensor (map)
- 14 Serial K Line for Diagnosis
- 15 -
- 16 Ground
- 17 Sensor Ground
- 18 -
- 19 -
- 20 Engine Speed Sensor Input (-)
- 21 LH Oxygen Sensor Input (-)
- 22 Throttle Grip Potentiometer Track B Input
- 23 Intake Manifold Pressure Sensor Input
- 24 +5v Reference Voltage Output: PPS, Tracks A-C, Throttle Valve and Pressure Sensor (map)
- 25 +5v Reference Voltage Output: Tracks D and Fall Sensor
- 26 RH Cylinder Lateral Spark Plug Coil Command Output
- 27 LH Cylinder Lateral Spark Plug Coil Command Output
- 28 Throttle Valve Motor Drive Output (-)
- 29 Throttle Valve Motor Drive Output (+)
- 30 Recovery Logic Relay Command Output (Stop Light)
- 31 LH Oxygen Sensor Heater Command Output
- 32 -
- 33 -
- 34 -
- 35 Engine Speed Sensor Input (+)
- 36 Air Temperature Sensor Input
- 37 RH Oxygen Sensor Input (-)
- 38 Throttle Grip Potentiometer Track Input
- 39 Throttle Valve and Pressure Sensor (map)
- 40 Key Input
- 41 Throttle Valve Motor Drive Output (+)
- 42 Key Input
- 43 -
- 44 RH Oxygen Sensor Heater Command Output
- 45 -
- 46 -
- 47 -
- 48 Throttle Valve Potentiometer 1 Signal Input
- 49 -
- 50 Throttle Valve Potentiometer 2 Signal Input
- 51 +5v Reference Voltage Output: PPS, Tracks A-C, 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
- 58 Engine Start Button Input
- 59 -
- 60 -
- 61 -
- 62 +5v Reference Voltage Output: Tracks B-D and Fall Sensor
- 63 Fall Sensor Input
- 64 Fall Sensor Input
- 65 Can H Line (high Speed)
- 66 RH Cylinder Injector Command Output
- 67 -
- 68 Starter Relay Command Output
- 69 Side Stand Signal Input
- 70 Gear Sensor Input
- 71 Secondary Injection Relay Command Output
- 72 -
- 73 -
- 74 -
- 75 Normally Open Clutch Switch Input
- 76 "Engine Stop" Input
- 77 Vehicle Speed Input
- 78 Can H Line (high Speed)
- 79 -
- 80 -

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 Right Hand-grip
- 09 Serial Line for Diagnosis
- 10 Can H Line (high Speed)
- 11 Battery Positive
- 12 LH Front Turn Indicator Output
- 13 RH Front Turn Indicator Output
- 14 Lights Relay
- 15 Ground/Sensors
- 16 Sensor Ground
- 17 Right Hand-grip
- 18 Fall Sensor
- 19 Can H Line (high Speed)
- 20 Antenna
- 21 Battery Positive
- 22 Throttle Grip Potentiometer Command
- 23 Del 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
- 31 Ignition Switch Positive
- 32 LH Turn Indicator Command
- 33 Normally Open Front Stop Switch Input
- 34 Hazard Lights Input
- 35 Grips Command
- 36 Serial Line for Diagnosis
- 37 Serial Line for Diagnosis
- 38 Normally Open Rear Stop Switch Input
- 39 Normally Open Rear Stop Switch Input
- 40 Abs Warning Light

ABS CONTROL UNIT PINOUT

- 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 -
- 08 Abs Warning Light
- 09 -
- 10 -
- 11 Rear Speed Sensor Signal
- 12 Rear Speed Sensor Ground
- 13 Front Speed Sensor Signal
- 14 Front Speed Sensor Ground
- 15 Vehicle Identification (2)
- 16 Serial K Line for Diagnosis
- 17 -
- 18 Battery-powered