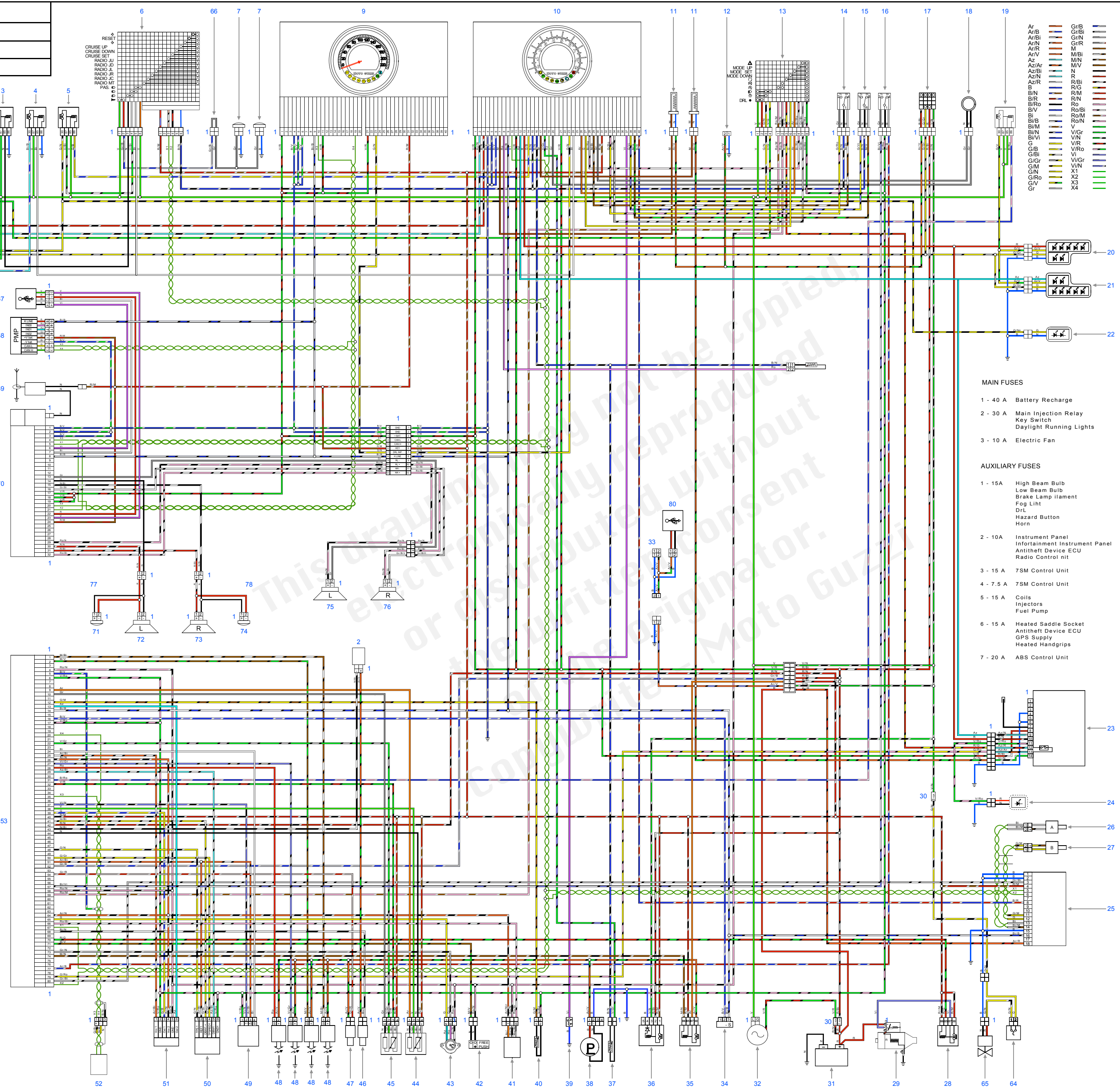


2017 M6H-21  
17 Dec 2020  
Carl Allison



- KEY**
- Multiple Connectors
  - Secondary Air (optional)
  - Low-beam Light Relay
  - High-beam Light Relay
  - Light Logic Relay
  - Left Light Switch
  - Hom
  - Air Temperature Sensor
  - Infotainment Instrument Panel
  - Instrument Panel
  - Heated Handgrips (optional)
  - GPS Supply
  - Right Light Switch
  - Front Stop Switch
  - Rear Stop Switch
  - Clutch Switch
  - Key Switch
  - Immobilizer Aerial
  - Recovery Logic Relay
  - Right Taillight
  - Left Taillight
  - License Plate Light Bulb
  - Antitheft Device Ecu (optional)
  - Antitheft Led
  - ABS Control Unit
  - ABS Front Sensor
  - ABS Rear Sensor
  - Start-up Relay
  - Starter Motor
  - Main Fuses
  - Battery
  - Generator
  - Heated Saddle Socket
  - Diagnosis Connector
  - Secondary Injection Relay
  - Main Injection Relay
  - Fuel Reserve Sensor
  - Fuel Pump
  - Oil Pressure Sensor
  - Engine Temperature Sensor
  - Fall Sensor (optional)
  - Fail Sensor
  - Side Stand Switch
  - Gear Sensor
  - Right Cylinder Lambda Probe
  - Left Cylinder Lambda Probe
  - Right Cylinder Injector
  - Left Cylinder Injector
  - Coils
  - T-map Sensor
  - Motorized Throttle
  - Hand Grip Sensor (demand)
  - Revolution Sensor
  - 7SM Control Unit
  - Left Front Fog Light (optional)
  - Left Front Turn Indicator
  - Head Light Assembly
  - Daylight Running Lights and Drl
  - High-beam Bulb
  - Low-beam Bulb
  - Front Right Turn Indicator
  - Right Front Fog Light (optional)
  - Auxiliary Fuses
  - Fog Lights Relay
  - Thermoswitch
  - Electric Fan
  - Pre-installation Cobra
  - Usb Socket
  - Mjmg Control Unit
  - Antenna Pre-amplifier
  - Radio Control Unit
  - Left Tweeter
  - Left Woofer
  - Right Woofer
  - Right Tweeter
  - Rear Left Woofer (optional)
  - Rear Right Woofer (optional)
  - Left Speaker
  - Right Speaker
  - Usb Socket Kit (optional)
  - Usb Socket Supply (optional)

- 7SM CONTROL UNIT PINOUT**
- |    |                                       |
|----|---------------------------------------|
| 1  | Right (side) Cylinder Coil            |
| 2  | Left (side) Cylinder Coil             |
| 3  | -                                     |
| 4  | Analogue Ground 2                     |
| 5  | Power Ground                          |
| 6  | Analogue Ground 1                     |
| 7  | -                                     |
| 8  | Air Temperature Sensor                |
| 9  | Right Cylinder Lambda Probe (+)       |
| 10 | Left Cylinder Lambda Probe (+)        |
| 11 | + Battery                             |
| 12 | Engine Temperature                    |
| 13 | Handgrip in B                         |
| 14 | Serial Line                           |
| 15 | Analogue Ground                       |
| 16 | Power Ground                          |
| 17 | Analogue Ground 1                     |
| 18 | Fuel Sensor                           |
| 19 | Can Line H                            |
| 20 | Revolution Sensor (-)                 |
| 21 | + Battery                             |
| 22 | Left Cylinder Lambda Probe (-)        |
| 23 | DRL                                   |
| 24 | T-map Sensor                          |
| 25 | Reference Tension Out 1               |
| 26 | Reference Tension Out 2               |
| 27 | Right (central) Cylinder Coil         |
| 28 | Left (central) Cylinder Coil          |
| 29 | Motorized Throttle (-)                |
| 30 | Antenna B                             |
| 31 | Safety Relay                          |
| 32 | Left Cylinder Lambda Probe Heater     |
| 33 | -                                     |
| 34 | Hazard                                |
| 35 | Revolution Sensor (+)                 |
| 36 | -                                     |
| 37 | Air Temperature                       |
| 38 | Right Cylinder Lambda Probe (-)       |
| 39 | Handgrip in a                         |
| 40 | + Key                                 |
| 41 | Motorized Throttle (+)                |
| 42 | +Key                                  |
| 43 | Secondary Air                         |
| 44 | Right Cylinder Lambda Probe Heater    |
| 45 | -                                     |
| 46 | -                                     |
| 47 | -                                     |
| 48 | Throttle Valve Potentiometer 1 Signal |
| 49 | -                                     |
| 50 | Throttle Valve Potentiometer 2 Signal |
| 51 | Reference Tension Out 1               |
| 52 | + Battery                             |
| 53 | Left Cylinder Injector                |
| 54 | -                                     |
| 55 | + Battery                             |
| 56 | Clutch Sensor                         |
| 57 | Analogue Ground 2                     |
| 58 | Engine Start                          |
| 59 | -                                     |
| 60 | -                                     |
| 61 | -                                     |
| 62 | -                                     |
| 63 | Reference Tension Out 2               |
| 64 | Neutral Sensor                        |
| 65 | Fall Sensor                           |
| 66 | CAN Line L                            |
| 67 | Right Cylinder Injector               |
| 68 | -                                     |
| 69 | Starting Enable                       |
| 70 | Side Stand Switch                     |
| 71 | -                                     |
| 72 | Gear Sensor                           |
| 73 | Secondary Injection Relay             |
| 74 | -                                     |
| 75 | -                                     |
| 76 | Clutch Sensor                         |
| 77 | -                                     |
| 78 | Engine Stop in                        |
| 79 | Vehicle Speed in                      |
| 80 | CAN Line H                            |

- MAIN FUSES**
- 1 - 40 A Battery Recharge
  - 2 - 30 A Main Injection Relay Key Switch Daylight Running Lights
  - 3 - 10 A Electric Fan

- AUXILIARY FUSES**
- 1 - 15 A High Beam Bulb Low Beam Bulb Brake Lamp Filament Fog Light Drl Hazard Button Horn
  - 2 - 10 A Instrument Panel Infotainment Instrument Panel Antitheft Device ECU Radio Control nit
  - 3 - 15 A 7SM Control Unit
  - 4 - 7.5 A 7SM Control Unit
  - 5 - 15 A Coils Injectors Fuel Pump
  - 6 - 15 A Heated Saddle Socket Antitheft Device ECU GPS Supply Heated Handgrips
  - 7 - 20 A ABS Control Unit

- INSTRUMENT PANEL PINOUT**
- |    |                            |
|----|----------------------------|
| 1  | + Battery                  |
| 2  | Front Left Turn Indicator  |
| 3  | Front Right Turn Indicator |
| 4  | Power Ground               |
| 5  | Power Ground               |
| 6  | Power Ground               |
| 7  | Left Grip                  |
| 8  | Air Temperature Sensor     |
| 9  | Serial Line                |
| 10 | CAN Line L                 |
| 11 | + Battery                  |
| 12 | Rear Left Turn Indicator   |
| 13 | Rear Right Turn Indicator  |
| 14 | Light Logic Relay          |
| 15 | Analogue Ground            |
| 16 | Analogue Ground            |
| 17 | Right Grip                 |
| 18 | Fuel Sensor                |
| 19 | Can Line H                 |
| 20 | Antenna a                  |
| 21 | + Battery                  |
| 22 | DRL                        |
| 23 | High-beam Warning Light    |
| 24 | Enter Command              |
| 25 | Down Command               |
| 26 | Up Command                 |
| 27 | Front Stop Switch          |
| 28 | Antenna B                  |
| 29 | -                          |
| 30 | Front Stop Switch          |
| 31 | -                          |
| 32 | Front Stop Switch          |
| 33 | -                          |
| 34 | Hazard                     |
| 35 | -                          |
| 36 | -                          |
| 37 | Oil Pressure Sensor        |
| 38 | Rear Stop Switch           |
| 39 | Rear Stop Switch           |
| 40 | ABS Warning Light          |
- INFOTAINMENT INSTRUMENT PANEL PINOUT**
- |    |                    |
|----|--------------------|
| 1  | + Battery          |
| 2  | -                  |
| 3  | -                  |
| 4  | Power Ground       |
| 5  | Power Ground       |
| 6  | Power Ground       |
| 7  | -                  |
| 8  | -                  |
| 9  | Serial Line        |
| 10 | CAN Line L (radio) |
| 11 | + Battery          |
| 12 | -                  |
| 13 | -                  |
| 14 | -                  |
| 15 | -                  |
| 16 | -                  |
| 17 | -                  |
| 18 | -                  |
| 19 | Can Line H (radio) |
| 20 | -                  |
| 21 | + Battery          |
| 22 | -                  |
| 23 | DRL                |
| 24 | -                  |
| 25 | -                  |
| 26 | -                  |
| 27 | -                  |
| 28 | -                  |
| 29 | -                  |
| 30 | -                  |
| 31 | + Key              |
| 32 | -                  |
| 33 | -                  |
| 34 | -                  |
| 35 | -                  |
| 36 | -                  |
| 37 | -                  |
| 38 | -                  |
| 39 | -                  |
| 40 | -                  |
- ABS CONTROL UNIT PINOUT**
- |    |                           |
|----|---------------------------|
| 1  | Power Ground 1            |
| 2  | Power Ground 2            |
| 3  | Vehicle Speed Signal      |
| 4  | + Key                     |
| 5  | CAN Line H                |
| 6  | CAN Line L                |
| 7  | -                         |
| 8  | ABS Warning Light         |
| 9  | -                         |
| 10 | -                         |
| 11 | Rear Speed Sensor Signal  |
| 12 | Rear Speed Sensor Ground  |
| 13 | Front Speed Sensor Ground |
| 14 | Front Speed Sensor Signal |
| 15 | Power Ground 3            |
| 16 | Serial Line               |
| 17 | + Battery                 |
- ANTITHEFT DEVICE ECU PINOUT**
- |    |                       |
|----|-----------------------|
| 1  | -                     |
| 2  | + Battery             |
| 3  | + Battery             |
| 4  | Perimeter Protection  |
| 5  | -                     |
| 6  | Power Ground          |
| 7  | Antenna               |
| 8  | + Battery             |
| 9  | Turn Indicator Lights |
| 10 | Turn Indicator Lights |
| 11 | Led                   |
| 12 | Engine Stop Signal    |
| 13 | Engine Stop Signal    |
| 14 | + Key                 |
| 15 | -                     |
| 16 | Rear Right Woofer (-) |
| 17 | + Battery             |
| 18 | + Battery             |
| 19 | + Battery             |
| 20 | Can Line H (radio)    |
| 21 | Can Line H            |
| 22 | Usb Socket (+)        |
| 23 | Usb D+                |
| 24 | + Key                 |
| 25 | + Key                 |
| 26 | -                     |
| 27 | -                     |
| 28 | -                     |
| 29 | Rear Left Woofer (+)  |
| 30 | Left Speaker (+)      |
| 31 | Right Speaker (+)     |
| 32 | Rear Right Woofer (+) |
- RADIO CONTROL UNIT PINOUT**
- |    |                         |
|----|-------------------------|
| 1  | Ground                  |
| 2  | Ground                  |
| 3  | Ground                  |
| 4  | Can Line L (radio)      |
| 5  | Can Line L              |
| 6  | Usb Socket (-) 7 Usb D- |
| 7  | Serial Line             |
| 8  | Serial Line             |
| 9  | -                       |
| 10 | -                       |
| 11 | -                       |
| 12 | -                       |
| 13 | Left Woofer (-)         |
| 14 | Left Speaker (-)        |
| 15 | Right Speaker (-)       |
| 16 | Rear Right Woofer (-)   |
- MGMP CONTROL UNIT PINOUT**
- |   |                    |
|---|--------------------|
| 1 | + Battery          |
| 2 | Ground             |
| 3 | CAN Line H (radio) |
| 4 | CAN Line L (radio) |
| 5 | Serial Line        |
| 6 | -                  |
| 7 | -                  |
| 8 | -                  |