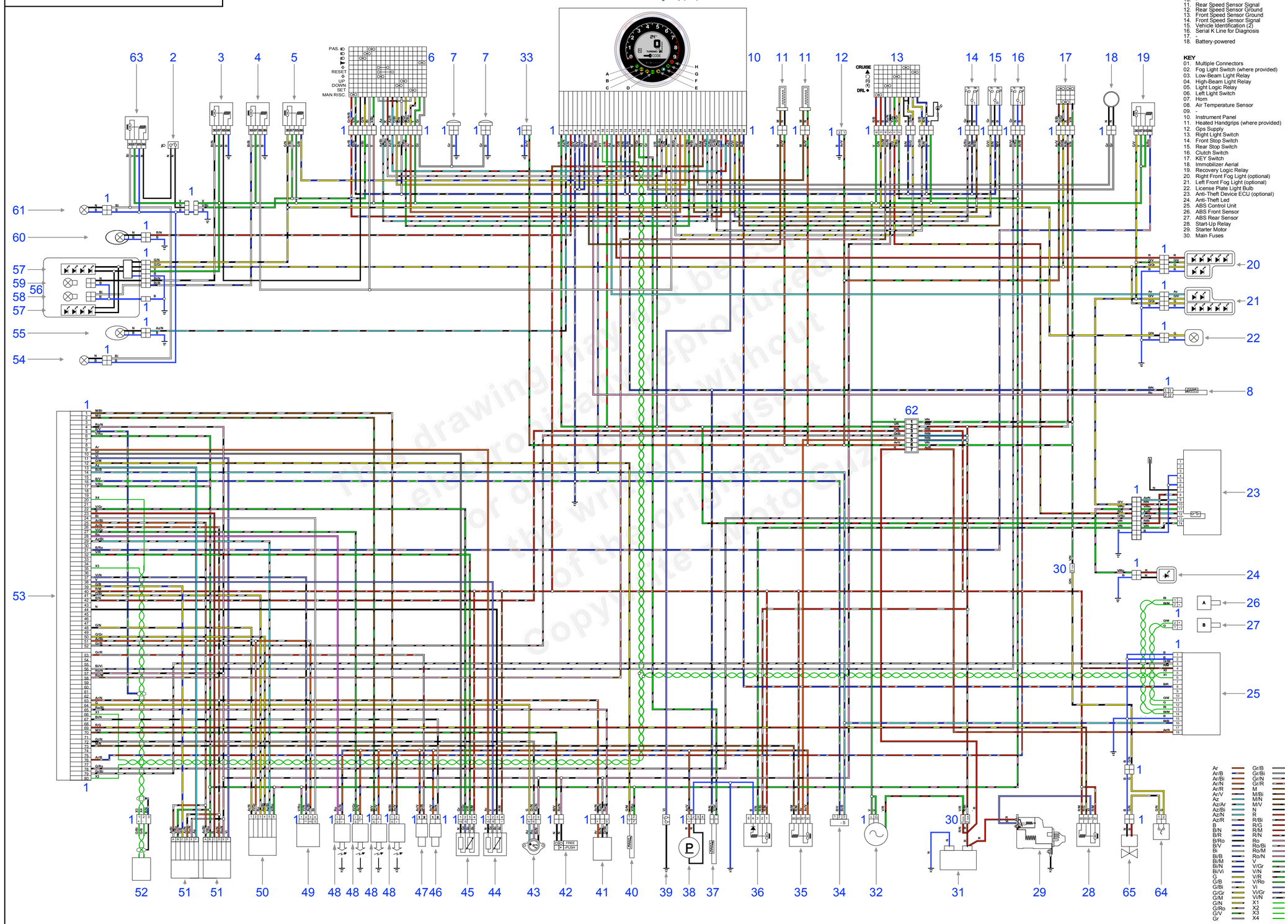
2014 California
7 Dec 2020
Carl Allison

A Cruise Control (Set)
B ABS Warning Light (Amber)
C MGCT Warning Light (Amber Yellow)
D Turn Indicator Warning Light (Green)
E Amber Low Fuel Warning Light (Yellow)
F High Beam Warning Light (Blue)
G Neutral Gear Warning Light (Green)
H General Alarm Warning Lamp (Red)



ABS CONTROL PANEL 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 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-Theft Device ECU (optional)
24. Anti-Theft 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. Fuelpump
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 (lh)
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. 7SM 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, Throttle Valve and Pressure Sensor (map)
26. + 5v Reference Voltage Output: Tracks B-D and Fall Sensor
27. RH Cylinder Central Spark Plug Coil Command Output
28. LH Cylinder Central Spark Plug Coil Command Output
29. Throttle Valve Motor Drive Output (-)
30. -
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. -
48. Throttle Valve Potentiometer 1 Signal Input
49. -
50. Throttle Valve Potentiometer 2 Signal Input
51. + 5v Reference Voltage Output: Pot Tracks A-D, 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. -
72. Gear Sensor Input
73. Secondary Injection Relay Command Output
74. -
75. -
76. Normally Open Clutch Switch Input
77. -
78. "Engine Stop" Input
79. Vehicle Speed Input
80. Can H 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 Handgrip
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. Right Handgrip
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. Antennab
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

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