

2014 CALIFORNIA BLUEDASH

KEY

1. MULTIPLE CONNECTORS
2. FOG LIGHT SWITCH (WHERE PROVIDED)
3. LOW-BEAM LIGHT RELAY
4. HIGH-BEAM LIGHT RELAY
5. LIGHT LOGIC RELAY
6. LEFT LIGHT SWITCH
7. HORN
8. AIR TEMPERATURE SENSOR
9. BLUEDASH PRE-INSTALLATION
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. FUEL PUMP
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
66. COBRA ANTI-THEFT COUPLING

7SM CONTROL UNIT PINOUT

1	RH CYLINDER LATERAL SPARK PLUG COIL COMMAND OUTPUT	M/Bi
2	LH CYLINDER LATERAL SPARK PLUG COIL COMMAND OUTPUT	M/V
3	-	-
4	SENSOR GROUND 2	Ro/N
5	POWER GROUND	B/V
6	SENSOR GROUND 1	V/Ro
7	-	-
8	-	-
9	RH OXYGEN SENSOR INPUT (+)	Ar
10	LH OXYGEN SENSOR INPUT (+)	Gr
11	THROTTLE GRIP POTENTIOMETER TRACK D INPUT	Vi
12	ENGINE TEMPERATURE	G/M
13	THROTTLE GRIP POTENTIOMETER TRACK B INPUT	Az
14	SERIAL K LINE FOR DIAGNOSIS	Bi/B
15	-	-
16	GROUND	B/V
17	SENSOR GROUND 1	V/Ro
18	-	-
19	-	-
20	ENGINE SPEED SENSOR INPUT (-)	X4
21	-	-
22	LH OXYGEN SENSOR INPUT (-)	V/Gr
23	THROTTLE GRIP POTENTIOMETER TRACK C INPUT	R
24	INTAKE MANIFOLD PRESSURE SENSOR INPUT	Bi
25	REFERENCE VOLTAGE OUTPUT: POT. TRACKS A-C, THROTTLE VALVE AND PRESSURE SENSOR (MAP)	Ar/Bi
26	+ 5V REFERENCE VOLTAGE OUTPUT: TRACKS B-D AND FALL SENSOR	Ar/N
27	RH CYLINDER CENTRAL SPARK PLUG COIL COMMAND OUTPUT	Vi/Gr
28	LH CYLINDER CENTRAL SPARK PLUG COIL COMMAND OUTPUT	Ro
29	THROTTLE VALVE MOTOR DRIVE OUTPUT (-)	Az/Bi
30	-	-
31	RECOVERY LOGIC RELAY COMMAND OUTPUT (STOP LIGHT)	B/Ro
32	LH OXYGEN SENSOR HEATER COMMAND OUTPUT	V/R
33	-	-
34	-	-
35	ENGINE SPEED SENSOR INPUT (+)	X3
36	-	-
37	AIR TEMPERATURE SENSOR INPUT	Vi/N
38	RH OXYGEN SENSOR INPUT (-)	V
39	THROTTLE GRIP POTENTIOMETER TRACK A INPUT	G/B
40	KEY INPUT	R/M
41	THROTTLE VALVE MOTOR DRIVE OUTPUT (+)	G/Bi
42	KEY INPUT	R/N
43	-	-
44	RH OXYGEN SENSOR HEATER COMMAND OUTPUT	N
45	-	-
46	-	-
47	-	-
48	THROTTLE VALVE POTENTIOMETER 1 SIGNAL INPUT	G/N
49	-	-
50	THROTTLE VALVE POTENTIOMETER 2 SIGNAL INPUT	G/Gr
51	+ 5V REFERENCE VOLTAGE OUTPUT: POT. TRACKS A-C, THROTTLE VALVE AND PRESSURE SENSOR (MAP)	Ar/Bi
52	DIRECT ECU POWER FEED	Gr/B
53	LH CYLINDER INJECTOR COMMAND OUTPUT	Gr/R
54	-	-
55	-	-
56	NORMALLY CLOSED CLUTCH SWITCH INPUT	Bi/Vi
57	SENSOR GROUND 2	Ro/N
58	ENGINE START BUTTON INPUT	Ro/M
59	-	-
60	-	-
61	-	-
62	-	-
63	+ 5V REFERENCE VOLTAGE OUTPUT: TRACKS B-D AND FALL SENSOR	Ar/N
64	IDLE SIGNAL INPUT	G
65	FALL SENSOR INPUT	Ro/Bi
66	CAN L LINE (HIGH SPEED)	X1
67	RH CYLINDER INJECTOR COMMAND OUTPUT	Bi/N
68	-	-
69	STARTER RELAY COMMAND OUTPUT	R/G
70	SIDE STAND SIGNAL INPUT	M/V
71	-	-
72	GEAR SENSOR INPUT	Gr/N
73	SECONDARY INJECTION RELAY COMMAND OUTPUT	M/N
74	-	--
75	-	-
76	NORMALLY OPEN CLUTCH SWITCH INPUT	Ar/B
77	-	-
78	"ENGINE STOP" INPUT	G/Ro
79	VEHICLE SPEED INPUT	Gr/Bi
80	CAN H LINE (HIGH SPEED)	X2




INSTRUMENT PANEL PINOUT

01.	BATTERY POSITIVE	V/R
02.	LH FRONT TURN INDICATOR OUTPUT	Az/N
03.	RH FRONT TURN INDICATOR OUTPUT	R/N
04.	GROUND	B/V
05.	GROUND	B/V
06.	GROUND	B/V
07.	LEFT HAND-GRIP	M
08.	AIR TEMPERATURE	Ro
09.	SERIAL K LINE FOR DIAGNOSIS	Bi/B
10.	CAN L LINE (HIGH SPEED)	X1
11.	BATTERY POSITIVE	V/R
12.	LH REAR TURN INDICATOR OUTPUT	Az
13.	RH REAR TURN INDICATOR OUTPUT	R
14.	LIGHTS RELAY	G/B
15.	GROUND FOR SENSORS	B/N
16.	SENSOR GROUND	B/N
17.	RIGHT HAND-GRIP	M
18.	FUEL SENSOR	V/Gr
19.	CAN H LINE (HIGH SPEED)	X2
20.	ANTENNA A	Gr
21.	BATTERY POSITIVE	V/R
22.	RH TURN INDICATOR COMMAND	Bi/Ro
23.	DRL INPUT	G/N
24.	HIGH BEAM INPUT	Bi
25.	CRUISE CONTROL BUTTON INPUT	Bi/G
26.	CONFIRM COMMAND	Ar
27.	DOWN COMMAND	G
28.	UP COMMAND	V/Ro
29.	NORMALLY CLOSED FRONT STOP SWITCH INPUT	M/Bi
30.	ANTENNA B	Gr
31.	IGNITION SWITCH POSITIVE	R/M
32.	LH TURN INDICATOR COMMAND	Az/Bi
33.	NORMALLY OPEN FRONT STOP SWITCH INPUT	G/Ro
34.	HAZARD LIGHTS INPUT	Gr/Bi
35.	GRIPS COMMAND	Ar/B
36.	RESET TURN INDICATORS COMMAND	Az/R
37.	OIL PRESSURE	Vi
38.	NORMALLY OPEN REAR STOP SWITCH INPUT	G/Vi
39.	NORMALLY CLOSED REAR STOP SWITCH INPUT	M/V
40.	ABS WARNING LIGHT	B/R

ABS CONTROL CONNECTOR PIN-OUT

1	GROUND	B
2	VEHICLE IDENTIFICATION (1)	B
3	SPEED VEHICLE OUTPUT	Gr/Bi
4	KEY INPUT	R/M
5	CAN H LINE (HIGH SPEED)	X2
6	CAN L LINE (LOW SPEED)	X1
7	-	-
8	ABS WARNING LIGHT	B/r
9	-	-
10	-	-
11	REAR SPEED SENSOR SIGNAL	G/M
12	REAR SPEED SENSOR GROUND	G
13	FRONT SPEED SENSOR GROUND	Bi
14	FRONT SPEED SENSOR SIGNAL	Bi/M
15	VEHICLE IDENTIFICATION (2)	B
16	SERIAL K LINE FOR DIAGNOSIS	Bi/B
17	-	-
18	BATTERY-POWERED	Ar/R

DIAGRAM COLORS - KEY

Ar	Orange		Ar/Bi	
Az	Sky blue		Ar/R	
B	Blue		Az/Ar	
Bi	White		Az/Bi	
G	Yellow		Az/R	
Gr	Grey		Bi/Ro	
M	Brown		Bi/Vi	
N	Black		G/Gr	
R	Red		G/Bi	
Ro	Pink		Gr/Bi	
V	Green		N/Bi	
Vi	Purple		N/M	
			N/R	
			N/Gr	
			N/Ar	
			N/Ro	
			R/Bi	
			Ro/Bi	
			V/Bi	
			V/Ro	
			Vi/Gr	