

2015 L83 ECM CONNECTOR X2

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Pin	Color	Circuit	Function
1	-	-	EMPTY
2	-	-	EMPTY
3	BK/L-GN	2919	Fuel Rail Pressure Sensor Low Reference Pin 3
4	-	-	EMPTY
5	-	-	Not Occupied
6	VT/WH	821	Vehicle Speed Sensor Signal (4wd w/NP0 NQH)
7	BK/L-GN	822	Vehicle Speed Sensor Low Reference (4wd w/NP0 NQH)
8	BN/WH	6354	Output Speed High (Replicated TOS) Input Signal (2wd w/o NP0 NQH)
9	-	-	EMPTY
10	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor (1)
11	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor (1)
12	VT/D-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor (2)
13	VT/L-GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor (2)
14	-	-	EMPTY
15	GY/D-BU	7564	Humidity Sensor Signal Pin 8
16	BN/WH	582	Throttle Body - Throttle Actuator Control Close Pin 2
17	-	-	EMPTY
18	BN/RD	2917	Fuel Rail Pressure Sensor 5 Volt Reference Pin 1
19	D-BU/WH	2918	Fuel Rail Pressure Sensor Signal Pin 4
20	-	-	EMPTY
21	-	-	EMPTY
22	-	-	EMPTY
23	-	-	EMPTY
24	-	-	EMPTY
25	-	-	EMPTY
26	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor (1)
27	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor (1)
28	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor (2)
29	YE/D-BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor (2)
30	-	-	EMPTY
31	-	-	EMPTY
32	YE	581	Throttle Body - Throttle Actuator Control Open Pin 1
33	-	-	EMPTY
34	BN/RD	2701	Throttle Body - Throttle Position Sensor 5 Volt Reference Pin 5
35	-	-	EMPTY
36	VT/GY	496	Knock Sensor 1 Signal Pin 1
37	WH/GY	1876	Knock Sensor 2 Signal Pin 1
38	-	-	EMPTY
39	-	-	EMPTY
40	VT/D-BU	6091	Crankshaft Position Sensor Replicated Signal
41	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1)
42	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)
43	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal Pin 3
44	GY/RD	2704	Manifold Absolute Pressure Sensor 5 Volt Reference Pin 1
45	-	-	EMPTY
46	-	-	EMPTY
47	-	-	EMPTY
48	-	-	EMPTY
49	WH/D-BU	6289	Induction Air Temperature Sensor Signal Pin 1
50	-	-	EMPTY
51	L-GN/D-BU	428	EVAP Canister Purge Solenoid Control
52	L-GN/WH	492	Mass Air Flow Sensor Signal Pin 6
53	BN	25	Alternator "Turn On" Signal Pin1
54	BK/BN	2752	Throttle Body - Throttle Position Sensor Low Reference Pin 4
55	GY	23	Alternator Field Duty Cycle Signal Pin 2
56	BK/YE	1716	Knock Sensor 1 Low Reference Pin 2
57	BK/GY	2303	Knock Sensor 2 Low Reference Pin 2
58	WH/GY	1786	Transmission Park/Neutral Signal (1)
59	D-BU	179	Oil Pump Command Signal
60	BN/L-GN	1174	Oil Level Switch Signal
61	L-GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (1)
62	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (2)
63	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference Pin 2
64	-	-	EMPTY
65	BK/D-BU	61	Outside Ambient Temperature Sensor Low Reference
66	-	-	EMPTY
67	-	-	EMPTY
68	-	-	EMPTY
69	WH/YE	3202	Throttle Inlet Absolute Pressure Sensor Low Reference Pin 3
70	D-BU/WH	3630	Throttle Body - Throttle Position Sensor (SENT1) Signal Pin 3
71	-	-	EMPTY
72	-	-	EMPTY
73	BK/WH	451	Signal Ground

x160 - 12 at back of intake to fuel injection

speed input to ecm from transfer case sensor
speed input to ecm from transfer case sensor

tcm outputs replicated trans speed signal to ecm here on 2wd, tap into for vss signal?

part of multifunction air intake sensor

x160 - 18 at back of intake to fuel injection

x160 - 19 at back of intake to fuel injection

can this be used as tach output? Went to active noise canceling system

part of multifunction air intake sensor

part of multifunction air intake sensor