## **2015 L83 ECM CONNECTOR X1**

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		CIVI CONNECTOR XI		WWW.LT1SWAP.COM
Color	Circuit -	Function EMPTY	Goes To	Notes
D-BU/WH	7446	Fuel Line Pressure Sensor Signal Pin 1	X125 - 8	fuel pressure sensor (58psi system from tank to engine) IS THIS NEEDED IN SWAP?
- YE/WH	- 3200	EMPTY Throttle Inlet Absolute Pressure Sensor Signal Pin 4		part of multifunction air intake sensor
WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5 Volt Reference Pin 2		part of multifunction air intake sensor body control module and hvac module control ac, no way to use ecm, so remove
L-GN	380	A/C Refrigerant Pressure Sensor Signal		
-	-	ЕМРТҮ		
BK/YE	7447	Fuel Line Pressure Sensor Low Reference Pin 2	x125 - 9	fuel pressure sensor (58psi system from tank to engine) IS THIS NEEDED IN SWAP?
D-BU/WH	890	Fuel Tank Pressure Sensor Signal	.425.46	part of fuel sender unit in fuel tank, evap emissions
YE/RD -	2709 -	Fuel Tank Pressure Sensor 5 Volt Reference EMPTY	x125 - 16	part of fuel sender unit in fuel tank, evap emissions
D-BU/GY	636	EMPTY		
WH/RD	1164	Outside Ambient Air Temperature Sensor Signal Accelerator Pedal Position 5 Volt Reference (1) Pin D	x115 - 18	goes to pin D on gas pedal
YE/WH	1161	Accelerator Pedal Position Signal (1) Pin E	x115 - 10	goes to pin E on gas pedal
-	-	EMPTY EMPTY		
-	-	EMPTY		
-	-	EMPTY EMPTY		
BN/RD	2700	A/C Pressure Sensor 5 Volt Reference Pin 2		body control module and hvac module control ac, no way to use ecm, so remove
BK/BN -	5514 -	A/C Refrigerant Pressure Sensor Low Reference Pin 1 EMPTY		body control module and hvac module control ac, no way to use ecm, so remove
BN/RD	7445	Fuel Line Pressure Sensor 5 Volt Reference Pin 3	x125 - 18	fuel pressure sensor (58psi system from tank to engine) IS THIS NEEDED IN SWAP? part of fuel sender unit in fuel tank, evap emissions part of fuel sender unit in fuel tank, evap emissions
D-BU/VT BK/L-GN	1589 6281	Primary Fuel Level Sensor Signal Fuel Level/Tank Pressure Sensor Low Reference	x125 - 12	
-	-	EMPTY		
-	-	EMPTY EMPTY		
BK/D-BU	1271	Accelerator Pedal Position Low Reference (1) Pin F	x115 - 19	goes to pin F on gas pedal
WH/GY	459	EMPTY A/C Compressor Clutch Relay Control		body control module and hvac module control ac, no way to use ecm, so remove
BN/RD	1274	Accelerator Pedal Position 5 Volt Reference (2) Pin C	x115 - 25	goes to pin C on gas pedal
L-GN/WH	1162	Accelerator Pedal Position Signal (2) Pin B	x115 - 26	goes to pin B on gas pedal
-	-	ЕМРТҮ		
D-BU/BK WH	7493 7494	High Speed GMLAN Serial Data (+)(3) High Speed GMLAN Serial Data (-)(3)		went to fuel pump control module went to fuel pump control module
WH	1579	Fuel Temperature/Composition Signal E85 Flex		programming should disable flex fuel function if not using goes to TCM pin 10, from TCM 14 to x115-6 will go to OBD2 Port 6 goes to TCM pin 11, from TCM 13 to x115-5 will go to OBD2 Port 14
D-BU WH	2500 2501	High Speed GMLAN Serial Data (+) (1) High Speed GMLAN Serial Data (-) (1)		
-	-	EMPTY		goes to Telli pin 11, noin Telli 13 to X113-3 will go to OBD2 Fort 14
-	-	EMPTY EMPTY		
GY	5660	Fuel Pump Controller Data Out Signal		this may work for fuel pump relay control???
- DNI/MILL	- 410	EMPTY Charle Facing Indicator Control	x115 - 3	construction around to catinate about opening light
BN/WH WH	419 5359	Check Engine Indicator Control  Brake Pedal Position Sensor - Brake Apply Sensor Control Pin 6	X113-3	ecm supplies ground to activate check engine light not sure what to do with this for swap, is it needed? not sure what to do with this for swap, is it needed?
D-BU/YE	5361	Brake Pedal Position Sensor - Brake Apply Sensor Signal Pin 4 EMPTY		
-	-	EMPTY		
VT/L-GN RD/BN	439 440	Run/Crank Ignition 1 Voltage ECM x1 - 51 Battery Positive Voltage		this is what "powers up" the ecm, and in turn ecm commands powertrain relay battery 12v+ feed to ecm, hot all the time
BK/PU	1272	Accelerator Pedal Position Low Reference (2) Pin A	x115 - 27	goes to pin A on gas pedal
-	-	EMPTY EMPTY		
-	-	EMPTY		
WH/D-BU	6311	Cruise/ETC/TCC Brake Signal EMPTY		brake lamp signal?
BN/YE	473	High Speed Cooling Fan Relay Control		can be used for single fan?
-	-	EMPTY EMPTY		
VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)		key hot from powertrain relay 20 amp F44UA fuse
YE/BK	625	Starter Enable Relay Control		ECM wont be used to control starter
-		EMPTY EMPTY		
WH	1310	EVAP Canister Vent Solenoid Control		Landa Company and Company Company
VT/D-BU BK/BN	5292 5360	Powertrain Main Relay Fused Supply (3)  Brake Pedal Position - Brake Apply Sensor Low Reference Pin 5		key hot from powertrain relay 20 amp F45UA fuse not sure what to do with this for swap, is it needed?
-	-	EMPTY		
VT/YE	5985	Accessory Wakeup Serial Data EMPTY		12v+ key hot, I tied this into pin 51 with key hot.
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