

2015 L83 X2 FUSE BLOCK CONNECTOR

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Pin	Size	Color	Circuit	Function	
A1	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	
A2 - B2	—	—	—	Not Occupied	
C1	0.75	BN/L-GN	59	A/C Compressor Clutch Control	This info will be pretty year/vehicle specific. I suggest using a volt meter to verify power wires. You will not use ECM to control AC or Starter in a swap, those will not be used
C2 - D2	—	—	—	Not Occupied	
D3	0.5	YE/BK	625	Starter Enable Relay Control	things needing battery hot power 1 wire each : ECM and TCM
E1	—	—	—	Not Occupied	
E2	4	YE	6	Starter Solenoid Crank Ignition Voltage	VT/BU wires needing KEY HOT
F1	—	—	—	Not Occupied	
F2	2.5	BK	550	Ground	oxygen sensors 1 wire per sensor
F3 - G2	—	—	—	Not Occupied	coils 8 wires 1 per coil
G3	0.5	VT/D-BU	5293	Powertrain Main Relay Fused Supply OXYGEN SENSORS (FRONT L & R)	transmission 1 wire
G4	2.5	VT/D-BU	5290	Powertrain Main Relay Fused Supply ECM x1 - 73 30amp main feed for injector drivers	ecm 4 wires
G5	0.75	RD/L-GN	1840	Battery Positive Voltage TCM 6L80E Pin 4	oil control sol 1 wire
G6	0.5	RD/WH	3440	Battery Positive Voltage	not sure where it goes, likely don't need, know its NOT for ECM or TCM
H1	—	—	—	Not Occupied	
H2	0.75	VT/D-BU	5291	Powertrain Main Relay Fused Supply COIL 5,7	
H3	0.75	VT/D-BU	5293	Powertrain Main Relay Fused Supply ACTIVE FUEL MANAGEMENT SOLENOIDS, EVAP Purge, Oil Pressure Control Solenoid	there is a splice in the harness, this wire powers multiple devices. Need to keep Oil Pressure Control Solenoid powered.
H4	—	—	—	Not Occupied	
H5	0.5	RD/BN	440	Battery Positive Voltage ECM x1 - 52	
H6	0.5	YE	5991	Powertrain Relay Coil Control ECM x1 - 72	this wire controls ground to a relay that powers up ECM x1 62,67,73
J1	—	—	—	Not Occupied	
J2	0.5	VT/D-BU	5294	Powertrain Main Relay Fused Supply MULTIFUNCTION INTAKE AIR SENSOR Pin 5	
J3	0.75	VT/D-BU	5291	Powertrain Main Relay Fused Supply COIL 1,3	two wires in this cavity
J4	0.75	VT/D-BU	5292	Powertrain Main Relay Fused Supply COIL 2,4	two wires in this cavity
J5	0.5	VT/D-BU	5294	Powertrain Main Relay Fused Supply OXYGEN SENSORS (REAR L & R)	two wires in this cavity
J6 - K2	—	—	—	Not Occupied	
K3	0.75	VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)	not sure where it goes, likely don't need
K4	0.75	VT/D-BU	5292	Powertrain Main Relay Fused Supply COIL 6,8	two wires in this cavity
K5	0.75	VT/D-BU	5292	Powertrain Main Relay Fused Supply (3)	not sure where it goes, likely don't need
K6 - L6	—	—	—	Not Occupied	
L7	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage TCM 6L80E Pin 12	
L8 - M4	—	—	—	Not Occupied	
M5	0.5	GY	5660	Fuel Pump Controller Data Out Signal	
M6	0.75	BK/WH	451	Signal Ground	not sure where it goes, likely don't need
M7	0.5	VT/L-GN	439	Run/Crank Ignition 1 Voltage ECM x1 -51	
M8 - N2	—	—	—	Not Occupied	