

X102 Connector

Pin	Wire	Circuit	Function	Notes	Existing
1	0.8 RD/WH	440	Battery Positive Voltage	Connect to Batt after fuse	F13R 20A
2	0.5 D-BU	1161	APP Sensor 1 Signal	Pedal - Pin E	
3	0.5 WH/BK	1164	5-Volt Reference 2	Pedal - Pin F	
4	0.5 BN	1271	Low Reference	Pedal - Pin D	
5	0.5 L-BU	1162	APP Sensor 2 Signal	Pedal - Pin B	
6	0.5 TN	1274	5-Volt Reference 1 (L99/LS3)	Pedal - Pin C	
7	0.5 PU	1272	Low Reference	Pedal - Pin A	
8	0.5 L-BU/WH	6311	Brake Pedal Switch Signal	Connect to Brake Switch	Brake Switch Relay
9	0.5 BN/WH	419	MIL Control	Connect to Dash MIL (GND)	BRN/WHT from PCM
10	0.5 D-GN/WH	465	Fuel Pump Relay Control	Connect to Fuel Pump Relay - 85	
11	0.5 WH	1310	EVAP Canister Vent Solenoid Control		
12	0.5 D-GN	890	Fuel Tank Pressure Sensor Signal		
13	0.5 GY	2709	5-Volt Reference 1		
14	0.5 D-BU	1936	Fuel Level Sensor Signal		
15	0.5 BN/WH	6281	Low Reference		
16-17	--	--	Not Used		
18	0.5 L-BU	1937	Fuel Level Sensor Signal - Secondary		
19	0.5 GY	2700	5-Volt Reference 1 - A/C Pressure Sensor Pin 2		
20	0.5 TN	5514	Low Reference - A/C Pressure Sensor Pin 1		
21	0.5 OG/BK	380	A/C Refrigerant Pressure Sensor Signal - Pin 3		
22	0.35 D-BU	5985	Serial Data Wake-Up Signal	Connect to IGN - 12 VDC(+)	
23-28	--	--	Not Used		
29	0.5 TN	6109	5-Volt Reference 2 (M10)	M10	
	0.5 GY	2709	5-Volt Reference 1 (MV5)	M10	
30	0.5 WH	6110	Low Reference (M10)	M10	
	0.5 BN/WH	6281	Low Reference (MV5)	M10	
31	0.5 YE	6111	Clutch Pedal Position Sensor Signal (M10 or MV5)	M10	
32-33	--	--	Not Used		
34	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus+	Connect to OBDII - Pin 6	
35	0.5 TN	2501	High Speed GMLAN Serial Data Bus -	Connect to OBDII - Pin 14	
36-40	--	--	Not Used		

