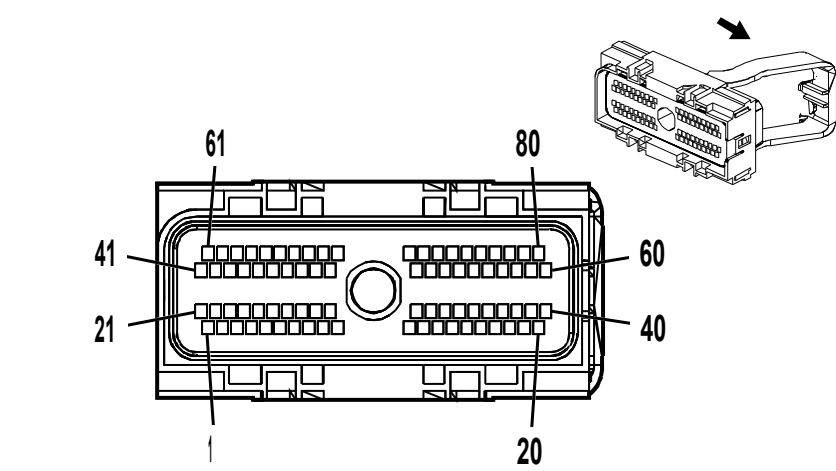


2012 GMC Truck Sierra 1500 4WD V8-5.3L

Vehicle > Diagrams > Connector Views

Transmission Control Module (TCM) (MW7)



Connector Part Information

- Harness Type: Engine
- OEM Connector: 15499493
- Service Connector: 88988938
- Description: 80-Way F, Sealed (BK)

Terminal Part Information

- Terminated Lead: 13578813
- Release Tool: J-38125-217
- Diagnostic Test Probe: J-35616-14 (GN)
- Terminal/Tray: Not Available
- Core/Insulation Crimp: Pins: 2, 6, 10–11, 14, 17, 20, 25, 27, 33–34, 36, 40, 43, 47, 51–55, 57–58, 60, 63, 66, 70–71, 73–74, 77–80 / E/2
- Core/Insulation Crimp: Pins: 9, 69 – A/E / A/C

Pin	Wire	Circuit	Function
1	—	—	Not Used

Pin	Wire	Circuit	Function
2	0.5 PK/WH	2139	Ignition 1 Voltage
3–5	—	—	Not Used
6	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
7–8	—	—	Not Used
9	0.8 BK/WH	451	Ground
10	0.5 RD/WH	1840	Battery Positive Voltage
11	0.5 OG/BK	1228	PC Solenoid Valve High Control
12– 13	—	—	Not Used
14	0.5 GY	773	Transmission Range Switch Signal C
15– 16	—	—	Not Used
17	0.5 PK	1224	Transmission Fluid Pressure Switch Signal A
18– 19	—	—	Not Used
20	0.5 L-BU	1984	Transmission Turbine Speed Switch Low Reference
21– 24	—	—	Not Used
25	0.5 OG/BK	6399	Replicated TOS Signal
26	—	—	Not Used

Pin	Wire	Circuit	Function
27	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
28– 32	—	—	Not Used
33	0.5 YE/RD	1223	Shift Solenoid 2 Valve Control
34	0.5 WH	776	Transmission Range Switch Signal P
35	—	—	Not Used
36	0.5 BN/WH	2469	PC Solenoid Valve Low Control
37– 39	—	—	Not Used
40	0.5 L- GN/BK	822	VSS Low Signal
41– 42	—	—	Not Used
43	0.5 D-BU	5985	Accessory Wakeup Serial Data
44– 46	—	—	Not Used
47	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
48– 50	—	—	Not Used
51	0.5 OG/WH	2527	Shift Solenoid C Valve Control
52	0.5 L-GN	1222	Shift Solenoid 1 Valve Control
53	0.5 YE	772	Transmission Range Switch Signal B

Pin	Wire	Circuit	Function
54	0.5 YE/BK	1227	TFT Sensor Signal
55	0.5 L- BU/WH	1229	PC Solenoid Valve Low Control
56	—	—	Not Used
57	0.5 OG	1226	Transmission Fluid Pressure Switch Signal C
58	0.5 TN	2762	Low Reference
59	—	—	Not Used
60	0.5 PU/WH	821	VSS High Signal
61– 62	—	—	Not Used
63	0.5 PK/WH	2139	Ignition 1 Voltage
64– 65	—	—	Not Used
66	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
67– 68	—	—	Not Used
69	0.8 BK/WH	451	Ground
70	0.5 RD/WH	1840	Battery Positive Voltage
71	0.5 BN	323	Actuator Supply Voltage
72	—	—	Not Used
73	0.5 TN/WH	771	Transmission Range Switch Signal A

Pin	Wire	Circuit	Function
74	0.5 D-BU/WH	1530	Transmission Mainline Pressure Solenoid Control
75–76	—	—	Not Used
77	0.5 L-GN/BK	2529	Fluid Pressure Switch Signal 4
78	0.5 BN	418	TCC PWM Solenoid Valve Control
79	0.5 D-BU	1225	Transmission Fluid Pressure Switch Signal B
80	0.5 OG	1983	Transmission Turbine Speed Switch Signal

Transmission Control Module (TCM) (MW7)