

2010 ELECTRICAL

Wiring Systems and Power Management - Component Locator - Component Connector End Views - Equinox & Terrain

COMPONENT CONNECTOR END VIEWS

M6 AIR TEMPERATURE DOOR ACTUATOR

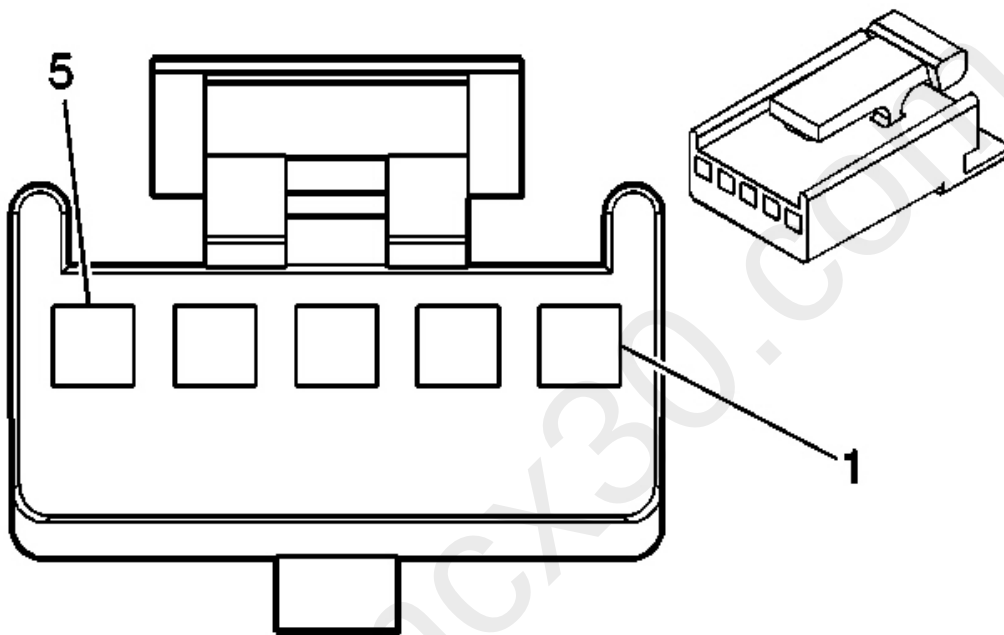


Fig. 1: M6 Air Temperature Door Actuator
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: POA HVAC
- OEM Connector: 12064982
- Service Connector: 12102633
- Description: 5-Way F Micro-Pack 100 Series (BK)

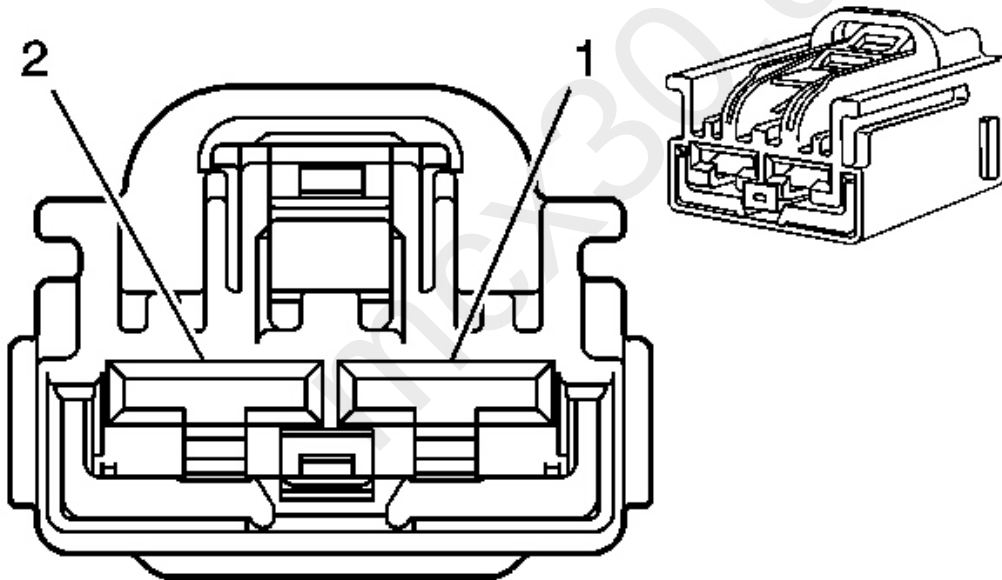
Terminal Part Information

- Terminated Lead: Pending

- Release Tool: 12031876-1
- Diagnostic Test Probe: J-35616-6 (BN)
- Terminal/Tray: 12146447/3
- Core/Insulation Crimp: E/C

M6 Air Temperature Door Actuator

Pin	Wire	Circuit	Function
1	0.35 YE	1791	Low Reference
2	0.35 L-BU	733	Air Temperature Door Position Signal
3	0.35 GY	598	5-Volt Reference
4	0.35 L-BU	1316	Air Temperature Door Control
5	0.35 D-BU	1199	Air Temperature Door Control

M8 BLOWER MOTOR**Fig. 2: M8 Blower Motor**

Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Instrument Panel

- OEM Connector: 7283-6458-40
- Service Connector: 88988507
- Description: 2-Way F Receptacle 6.3 Series (L-GY)

Terminal Part Information

- Terminated Lead: 13575289
- Release Tool: 12094430
- Diagnostic Test Probe: J-35616-42 (RD)
- Terminal/Tray: 7116-4122-02/10
- Core/Insulation Crimp: D/G

M8 Blower Motor

Pin	Wire	Circuit	Function
1	5 OG	5987	Low Reference
2	5 PU	65	Blower Motor Supply Voltage

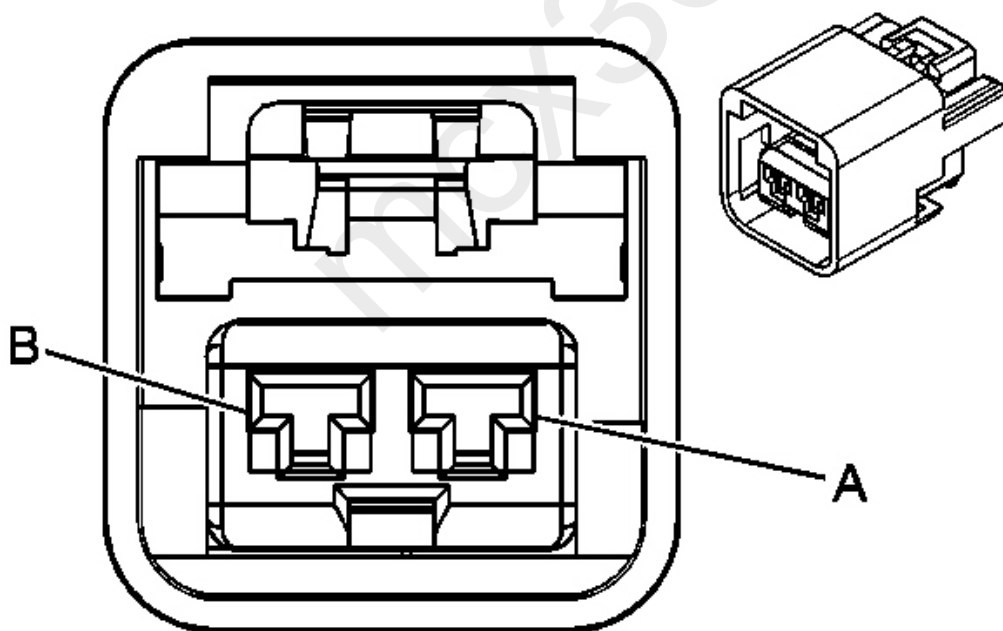
M17 LIFTGATE MOTOR ASSEMBLY (TB5)

Fig. 3: M17 Liftgate Motor Assembly (TB5)
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Body
- OEM Connector: 15326870
- Service Connector: 88953160
- Description: 2-Way F GT 280 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 15304713/19
- Core/Insulation Crimp: F/D

M17 Liftgate Motor Assembly (TB5)

Pin	Wire	Circuit	Function
A	3 WH	5798	Liftgate Motor Open Control
B	3 BN/WH	5799	Liftgate Motor Close Control

M37 MODE DOOR ACTUATOR

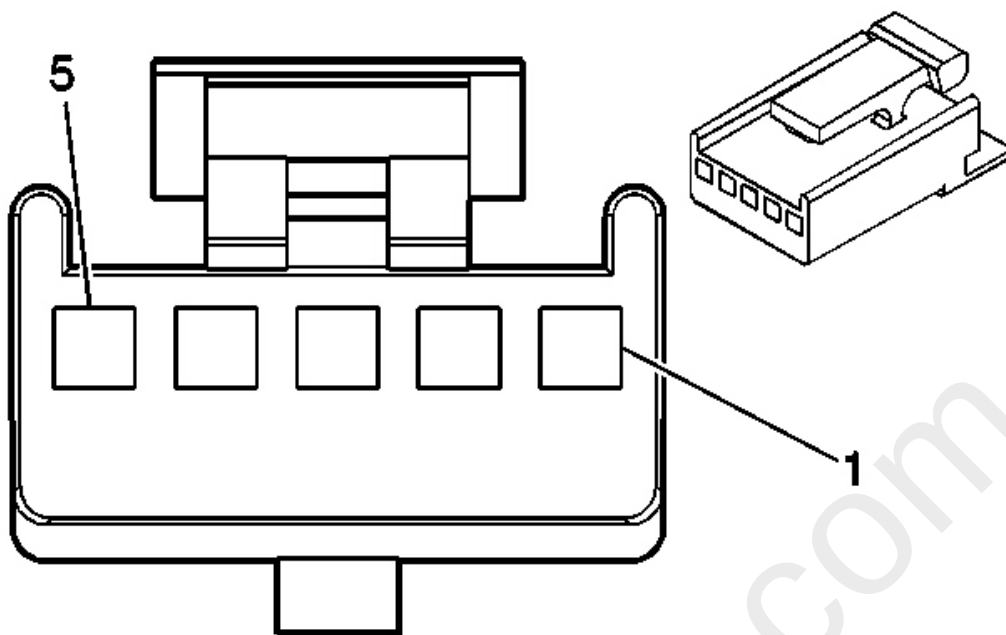


Fig. 4: M37 Mode Door Actuator
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: POA HVAC
- OEM Connector: 12064982
- Service Connector: 12102633
- Description: 5-Way F Micro-Pack 100 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 12031876-1
- Diagnostic Test Probe: J-35616-6 (BN)
- Terminal/Tray: 12146447/3
- Core/Insulation Crimp: E/C

M37 Mode Door Actuator

Pin	Wire	Circuit	Function
1	0.35 YE	1791	Low Reference

2	0.35 L-GN	2275	Mode Door Position Signal
3	0.35 GY	598	5-Volt Reference
4	0.35 WH	119	Mode Door Control
5	0.35 TN	2273	Mode Door Control

M45 REAR WIPER MOTOR

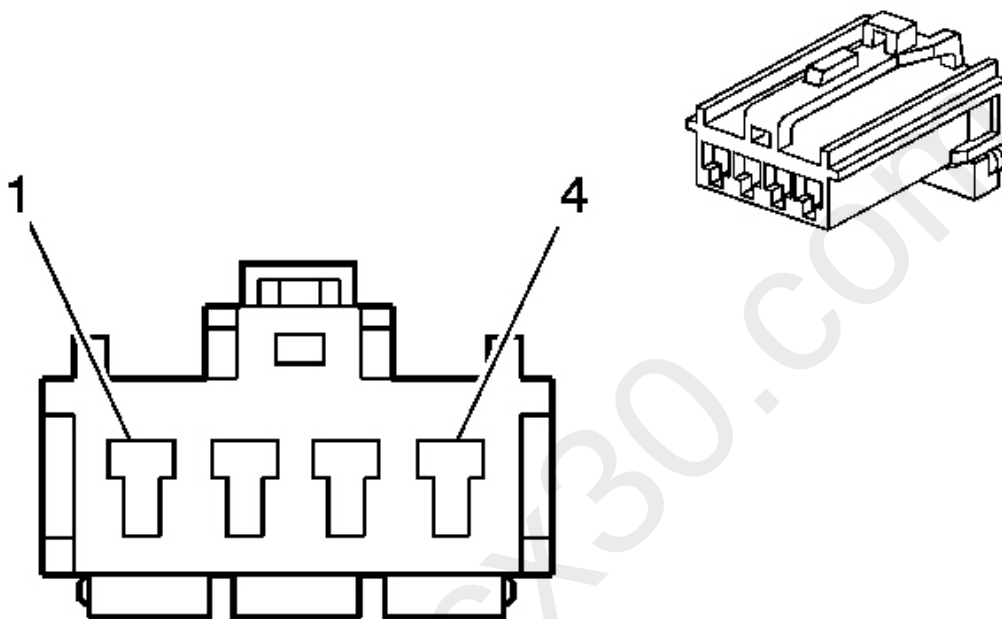


Fig. 5: M45 Rear Wiper Motor
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Liftgate
- OEM: 7123-8345
- Service: Pending
- Description: 4-Way F (WH)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247

- Diagnostic Test Probe: J-35616-33 (YE)
- Terminal/Tray: 7116-1474/10
- Core/Insulation Crimp: E/A

M45 Rear Wiper Motor

Pin	Wire	Circuit	Function
1	-	-	Not Used
2	1 RD/WH	3040	Battery Positive Voltage
3	1 BK	2550	Ground
4	1 WH	393	Rear Window Wiper Motor Control

M46 AIR RECIRCULATION DOOR MOTOR

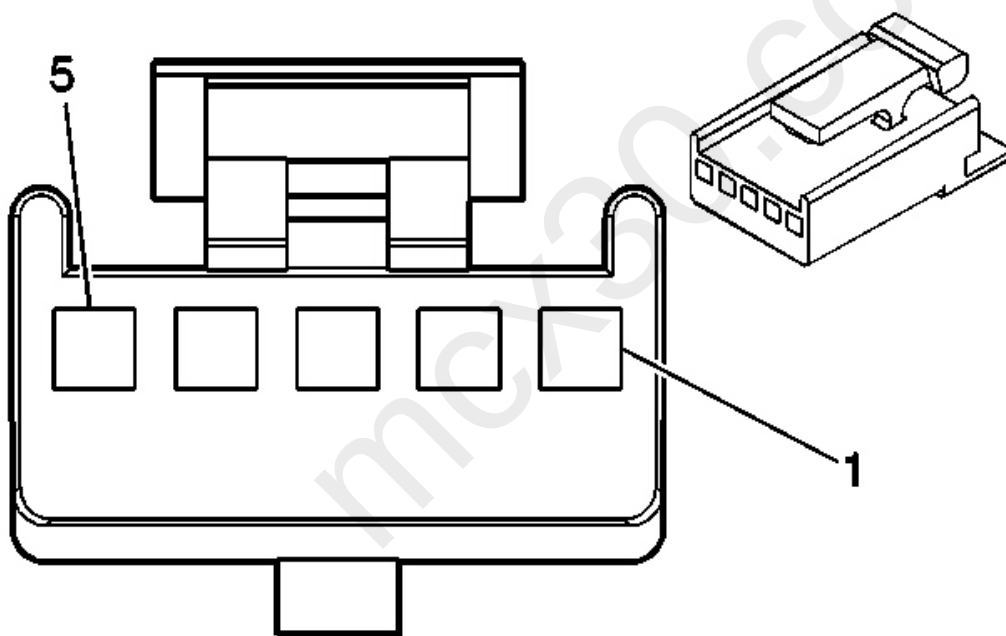


Fig. 6: M46 Air Recirculation Door Motor
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: POA HVAC
- OEM Connector: 12064982

- Service Connector: 12102633
- Description: 5-Way F Micro-Pack 100 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 12031876-1
- Diagnostic Test Probe: J-35616-6 (BN)
- Terminal/Tray: 12146447/3
- Core/Insulation Crimp: E/C

M46 Air Recirculation Door Motor

Pin	Wire	Circuit	Function
1	0.35 YE	1791	Low Reference
2	0.35 PU	1838	Recirculation Door Position Signal
3	0.35 GY	598	5-Volt Reference
4	0.35 TN/BK	2274	Recirculation Door Control
5	0.35 D-GN	1614	Recirculation Door Control

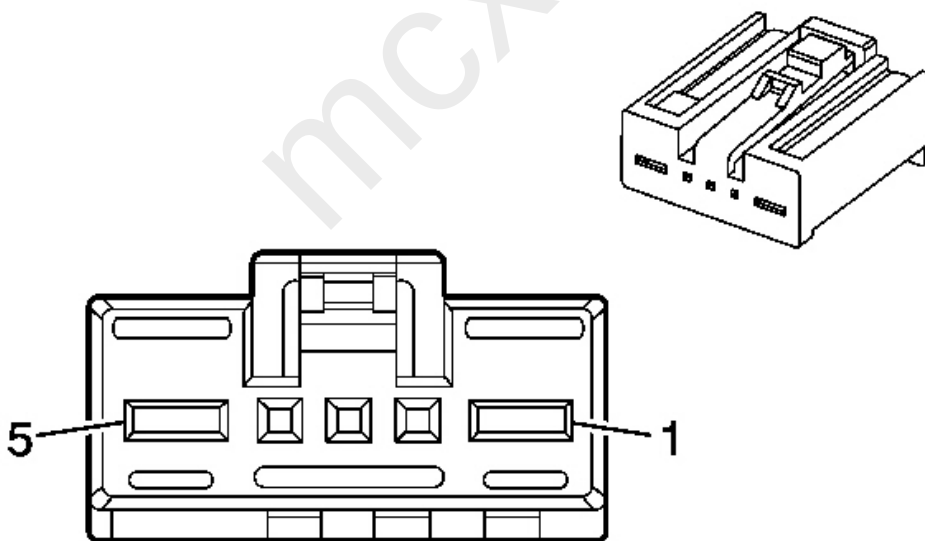
M50D SEAT FRONT VERTICAL MOTOR - DRIVER (AE8)

Fig. 7: M50D Seat Front Vertical Motor - Driver (AE8)
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Driver Seat Cushion
- OEM Connector: 1379217-1
- Service Connector: Service by Harness - See Part Catalog
- Description: 5-Way F MQS/MCP Mixed Series (BK)

Terminal Part Information

- Pins: 1, 5
- Terminated Lead: Service by Connector Assembly - 1379217-1
- Release Tool: Not Available
- Diagnostic Test Probe: Pending
- Terminal/Tray: Service by Connector Assembly - 1379217-1
- Core/Insulation Crimp: Not Available
- Pins: 2, 4
- Terminated Lead: Pending
- Release Tool: 12094429
- Diagnostic Test Probe: J-35616-64B (L-BU)
- Terminal/Tray: 928999-5/15
- Core/Insulation Crimp: H/H

M50D Seat Front Vertical Motor - Driver (AE8)

Pin	Wire	Circuit	Function
1	3 D-GN	286	Driver Seat Front Vertical Motor Up Control
2	0.5 BN/WH	557	Front Vertical Seat Motor Position Sensor Signal
3	-	-	Not Used
4	0.5 OG/WH	3298	Memory Sensor High Reference (2) (LTZ or SLT)
5	3 D-BU	287	Driver Seat Front Vertical Motor Down Control

M51D SEAT HORIZONTAL MOTOR - DRIVER (AE8)

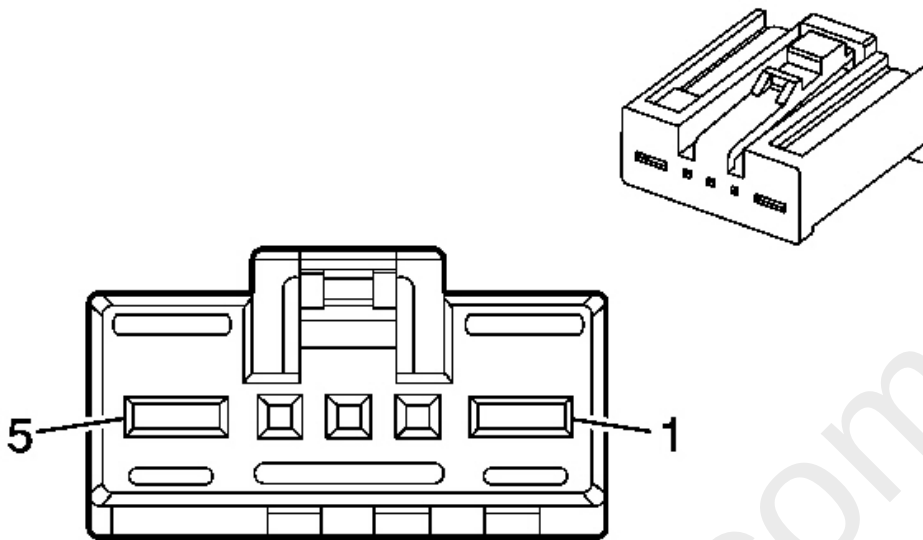


Fig. 8: M51D Seat Horizontal Motor - Driver (AE8)
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Driver Seat Cushion
- OEM Connector: 1379217-1
- Service Connector: Service by Harness - See Part Catalog
- Description: 5-Way F MQS/MCP Mixed Series (BK)

Terminal Part Information

- Pins: 1, 5
- Terminated Lead: Service by Connector Assembly - 1379217-1
- Release Tool: Not Available
- Diagnostic Test Probe: Pending
- Terminal/Tray: Service by Connector Assembly - 1379217-1
- Core/Insulation Crimp: Not Available

- Pins: 2, 4
- Terminated Lead: Pending

- Release Tool: 12094429
- Diagnostic Test Probe: J-35616-64B (L-BU)
- Terminal/Tray: 928999-5/15
- Core/Insulation Crimp: H/H

M51D Seat Horizontal Motor - Driver (AE8)

Pin	Wire	Circuit	Function
1	3 TN	285	Driver Seat Horizontal Motor Forward Control
2	0.5 D-GN	569	Horizontal Seat Motor Position Sensor Signal (LTZ or SLT)
3	-	-	Not Used
4	0.5 OG/WH	3298	Memory Sensor High Reference (2) (LTZ or SLT)
5	3 L-GN	284	Driver Seat Horizontal Motor Rearward Control

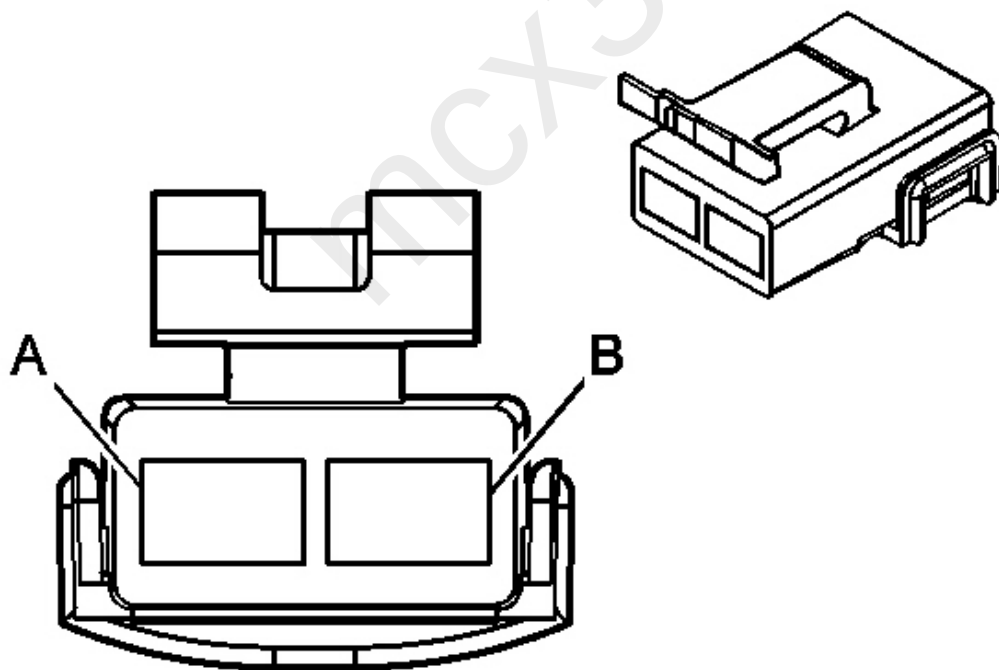
M52D SEAT LUMBAR SUPPORT HORIZONTAL MOTOR - DRIVER

Fig. 9: M52D Seat Lumbar Support Horizontal Motor - Driver
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Driver Seat Back
- OEM Connector: 12020556
- Service Connector: 12101820
- Description: 2-Way F Metri-Pack 480 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 12094430
- Diagnostic Test Probe: J-35616-40 (BU)
- Terminal/Tray: 12015860/4
- Core/Insulation Crimp: C/A

M52D Seat Lumbar Support Horizontal Motor - Driver

Pin	Wire	Circuit	Function
A	0.8 PK	610	Driver Seat Lumbar Motor Rearward Control
B	0.8 D-BU	611	Driver Seat Lumbar Motor Forward Control

M55D SEAT REAR VERTICAL MOTOR - DRIVER

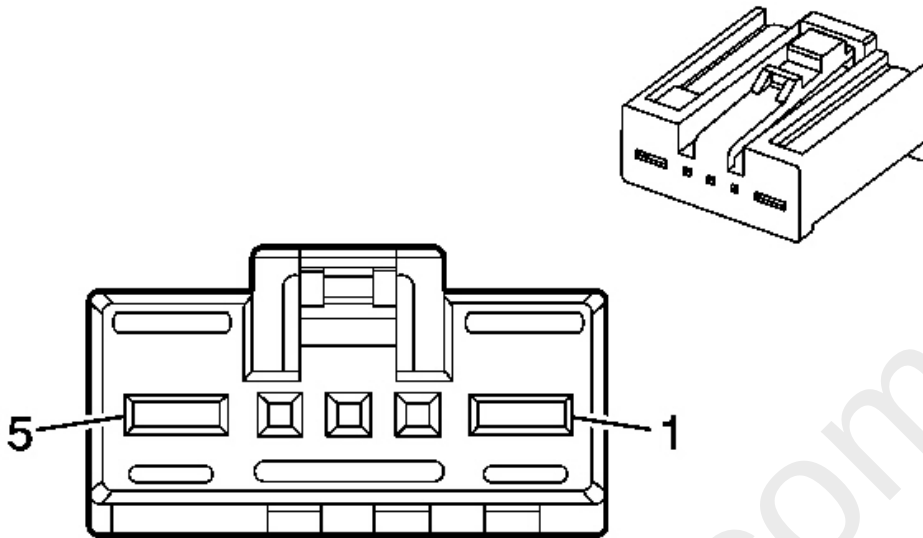


Fig. 10: M55D Seat Rear Vertical Motor - Driver
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Driver Seat Cushion
- OEM Connector: 1379217-1
- Service Connector: Service by Harness - See Part Catalog
- Description: 5-Way F MQS/MCP Mixed Series (BK)

Terminal Part Information

- Pins: 1, 5
- Terminated Lead: Service by Connector Assembly - 1379217-1
- Release Tool: Not Available
- Diagnostic Test Probe: Pending
- Terminal/Tray: Service by Connector Assembly - 1379217-1
- Core/Insulation Crimp: Not Available
- Pins: 2, 4
- Terminated Lead: Pending

- Release Tool: 12094429
- Diagnostic Test Probe: J-35616-64B (L-BU)
- Terminal/Tray: 928999-5/15
- Core/Insulation Crimp: H/H

M55D Seat Rear Vertical Motor - Driver

Pin	Wire	Circuit	Function
1	3 L-BU	283	Driver Seat Rear Vertical Motor Down Control
2	0.5 TN	568	Rear Vertical Seat Motor Position Sensor Signal
3	-	-	Not Used
4	0.5 OG/WH	3298	Memory Sensor High Reference (2)
5	3 YE	282	Driver Seat Rear Vertical Motor Up Control

M56D SEAT RECLINE MOTOR - DRIVER (AE8)

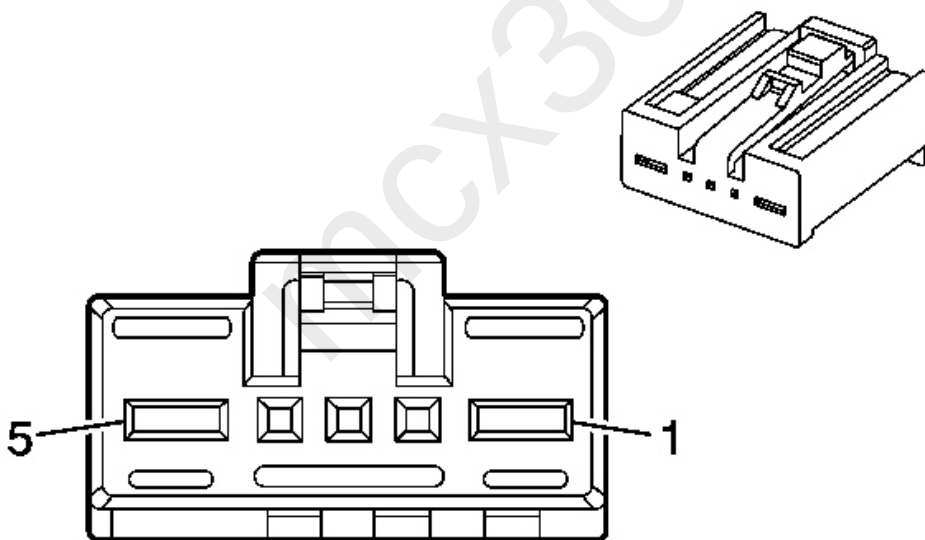


Fig. 11: M56D Seat Recline Motor - Driver (AE8)
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Driver Seat Back
- OEM Connector: 1379217-1
- Service Connector: Service by Harness - See Part Catalog
- Description: 5-Way F MQS/MCP Mixed Series (BK)

Terminal Part Information

- Pins: 1, 5
- Terminated Lead: Service by Connector Assembly - 1379217-1
- Release Tool: Not Available
- Diagnostic Test Probe: Pending
- Terminal/Tray: Service by Connector Assembly - 1379217-1
- Core/Insulation Crimp: Not Available
- Pins: 2, 4
- Terminated Lead: Pending
- Release Tool: 12094429
- Diagnostic Test Probe: J-35616-64B (L-BU)
- Terminal/Tray: 928999-5/15
- Core/Insulation Crimp: H/H

M56D Seat Recline Motor - Driver (AE8)

Pin	Wire	Circuit	Function
1	3 L-BU	277	Driver Seat Recline Motor Rearward Control
2	0.5 WH/BK	570	Driver Seat Recline Motor Position Sensor Signal (LTZ or SLT)
3	-	-	Not Used
4	0.5 OG/WH	3298	Memory Sensor High Reference (2) (LTZ or SLT)
5	3 L-GN	276	Driver Seat Recline Motor Forward Control

M64 STARTER MOTOR X1

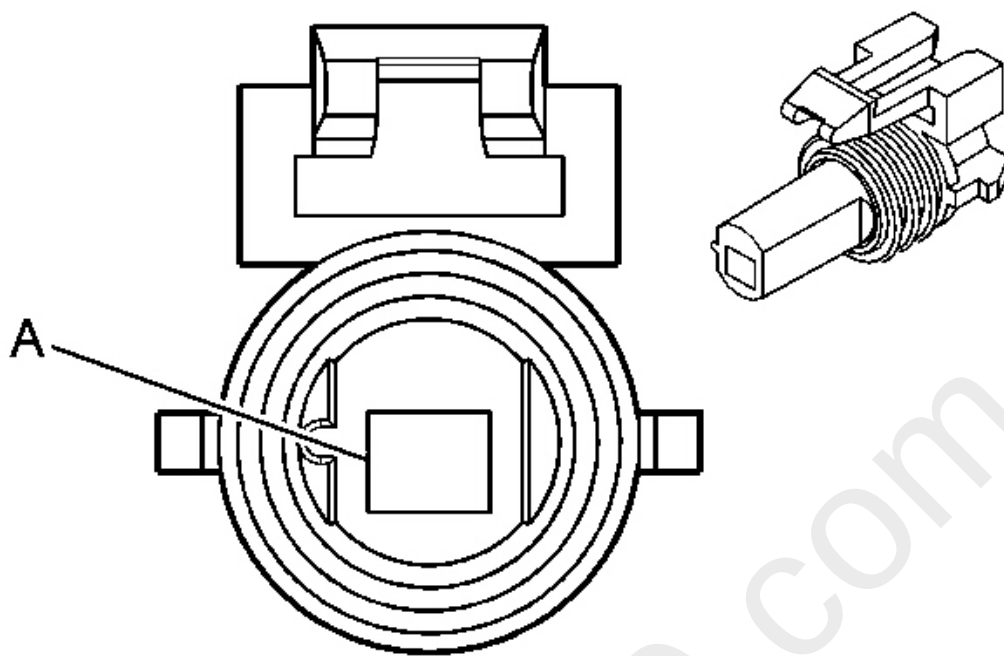


Fig. 12: M64 Starter Motor X1
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Engine
- OEM Connector: 12089916
- Service Connector: 12101763
- Description: 1-Way F Metri-Pack 280 Series, Sealed (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 12094430
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 12077413/4
- Core/Insulation Crimp: F/5

M64 Starter Motor X1

Pin	Wire	Circuit	Function

A	3 PU	6	Starter Solenoid Crank Voltage
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M64 STARTER MOTOR X2 (POSITIVE BATTERY CABLE) (LAF)**Terminal Part Information**

- Harness: Positive Battery Cable
- Terminal: 12146716
- Core/Insulation Crimp: N/A
- Description: Ring Terminal

M64 Starter Motor X2 (Positive Battery Cable) (LAF)

Pin	Wire	Circuit	Function
A	32 RD	1	Battery Positive Voltage

M64 STARTER MOTOR X2 (POSITIVE BATTERY CABLE) (LF1)**Terminal Part Information**

- Harness: Positive Battery Cable
- Terminal: 7003-1849-02
- Core/Insulation Crimp: N/A
- Description: Ring Terminal

M64 Starter Motor X2 (Positive Battery Cable) (LF1)

Pin	Wire	Circuit	Function
A	32 RD	1	Battery Positive Voltage

M64 STARTER MOTOR X2 (GENERATOR HARNESS) (LAF)**Terminal Part Information**

- Harness: Generator
- Terminal: 15425095
- Core/Insulation Crimp: N/A
- Description: Ring Terminal

M64 Starter Motor X2 (Generator Harness) (LAF)

Pin	Wire	Circuit	Function
A	19 RD	2	Battery Positive Voltage

M64 STARTER MOTOR X2 (GENERATOR HARNESS) (LF1)

Terminal Part Information

- Harness: Generator
- Terminal: 7003-1849-02
- Core/Insulation Crimp: N/A
- Description: Ring Terminal

M64 Starter Motor X2 (Generator Harness) (LF1)

Pin	Wire	Circuit	Function
A	19 RD	2	Battery Positive Voltage

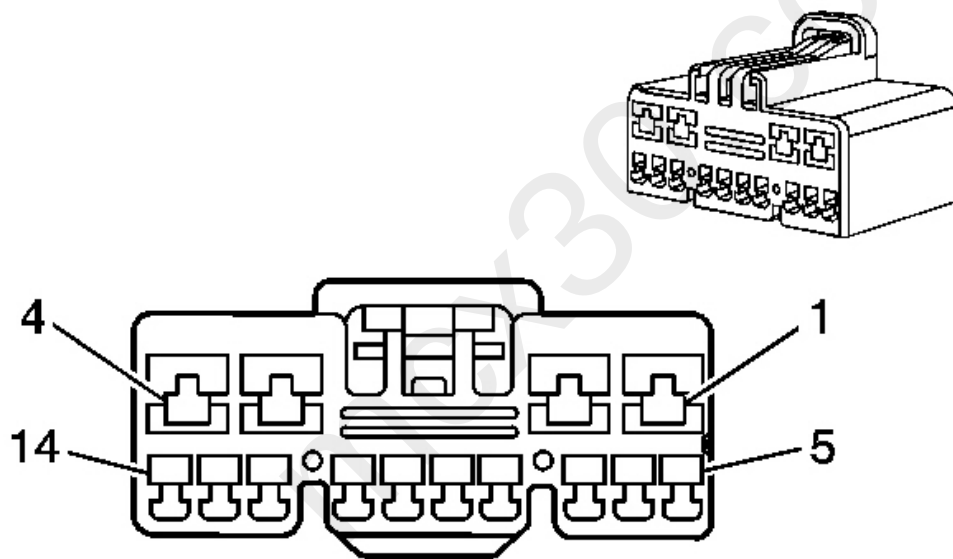
M69 SUNROOF MOTOR (CF5)

Fig. 13: M69 Sunroof Motor (CF5)

Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: POA Sunroof
- OEM: 7283-8398-40

- Service: 19179972
- Description: 14-Way F 64 2.8 YESC Series (L-GY)

Terminal Part Information

- Terminated Lead: Service by Harness - See Part Catalog
- Release Tool: Not Available
- Diagnostic Test Probe: Pending
- Terminal/Tray: Service by Harness - See Part Catalog
- Core/Insulation Crimp: Not Available

M69 Sunroof Motor (CF5)

Pin	Wire	Circuit	Function
1	2 RD/WH	3540	Battery Positive Voltage
2-3	-	-	Not Used
4	0.35 BK	550	Ground
5-6	-	-	Not Used
7	0.35 PK	5027	Sunroof Switch Data 1
8	0.35 L-BU	128	Sunroof Switch Low Reference
9	0.35 PU	144	Sunroof Switch Open Vent Signal
10	0.35 D-BU	2075	Sunroof Switch Close Vent Signal
11	0.35 YE	6132	Local Interconnect Network 1
12-14	-	-	Not Used

M74D WINDOW MOTOR - DRIVER

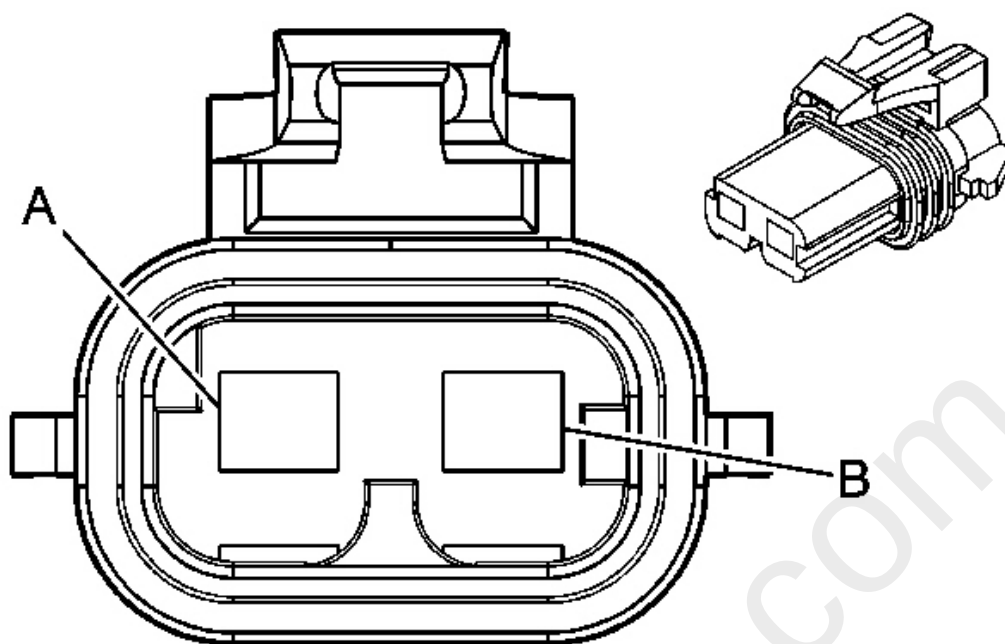


Fig. 14: M74D Window Motor - Driver
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Driver Door
- OEM Connector: 12129487
- Service Connector: 88988609
- Description: 2-Way F Metri-Pack 280 Series, Flexlock, Sealed (GY)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 12110845/4
- Core/Insulation Crimp: A/5

M74D Window Motor - Driver

Pin	Wire	Circuit	Function
A	2 D-BU	164	Power Window Motor Left Front Up Control

B	2 BN	165	Power Window Motor Left Front Down Control
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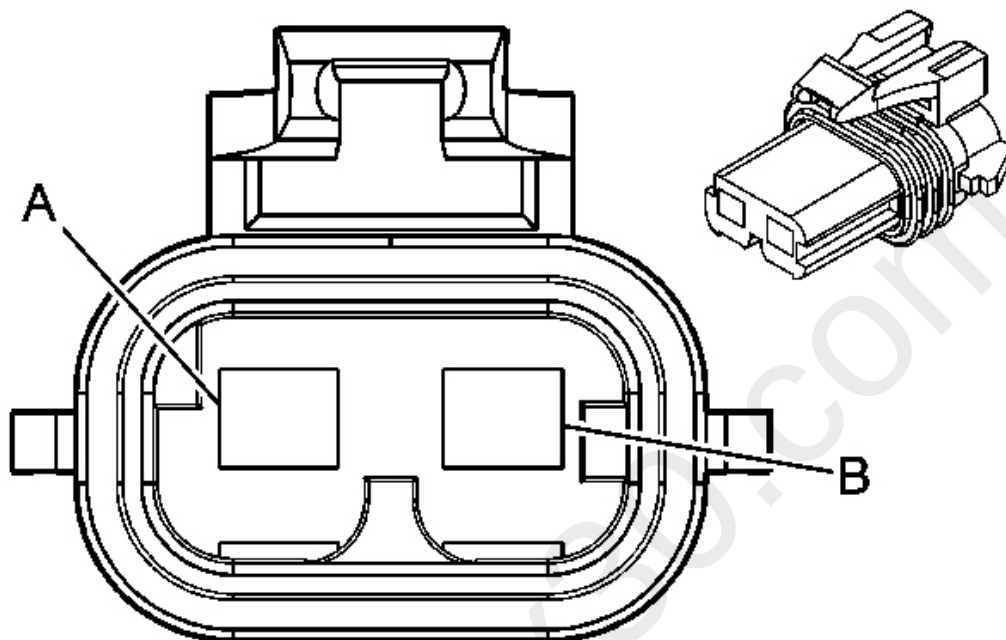
M74LR WINDOW MOTOR - LEFT REAR

Fig. 15: M74LR Window Motor - Left Rear
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Left Rear Door
- OEM Connector: 12129487
- Service Connector: 88988609
- Description: 2-Way F Metri-Pack 280 Series, Flexlock, Sealed (GY)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 12110845/4

- Core/Insulation Crimp: A/5

M74LR Window Motor - Left Rear

Pin	Wire	Circuit	Function
A	2 D-BU	668	Power Window Motor Left Rear Up Control
B	2 BN	669	Power Window Motor Left Rear Down Control

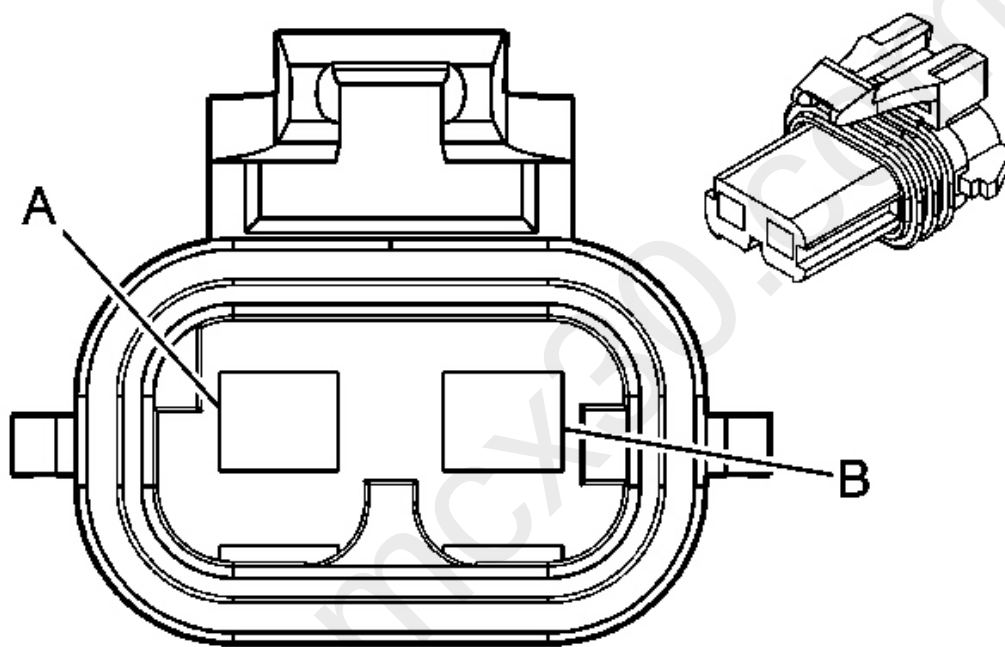
M74P WINDOW MOTOR - PASSENGER

Fig. 16: M74P Window Motor - Passenger
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Passenger Door
- OEM Connector: 12129487
- Service Connector: 88988609
- Description: 2-Way F Metri-Pack 280 Series, Flexlock, Sealed (GY)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 12110845/4
- Core/Insulation Crimp: A/5

M74P Window Motor - Passenger

Pin	Wire	Circuit	Function
A	2 D-BU	666	Power Window Motor Right Front Up Control
B	2 BN	667	Power Window Motor Right Front Down Control

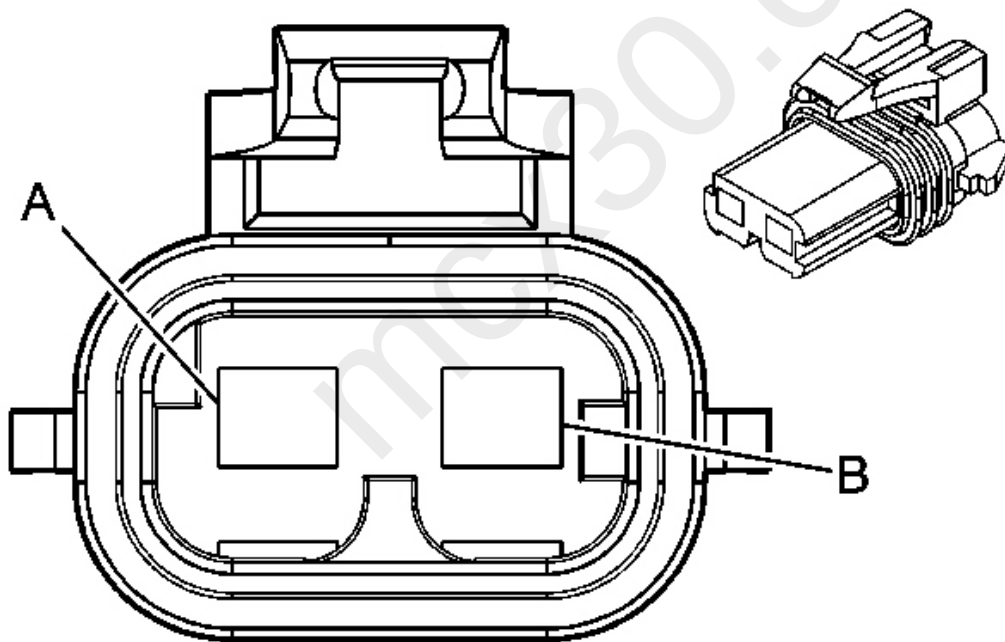
M74RR WINDOW MOTOR - RIGHT REAR

Fig. 17: M74RR Window Motor - Right Rear
Courtesy of GENERAL MOTORS CORP.

- Harness: Right Rear Door
- OEM Connector: 12129487
- Service Connector: 88988609
- Description: 2-Way F Metri-Pack 280 Series, Flexlock, Sealed (GY)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 12110845/4
- Core/Insulation Crimp: A/5

M74RR Window Motor - Right Rear

Pin	Wire	Circuit	Function
A	2 D-BU	670	Power Window Motor Right Rear Up Control
B	2 BN	671	Power Window Motor Right Rear Down Control

M75 WINDSHIELD WIPER MOTOR

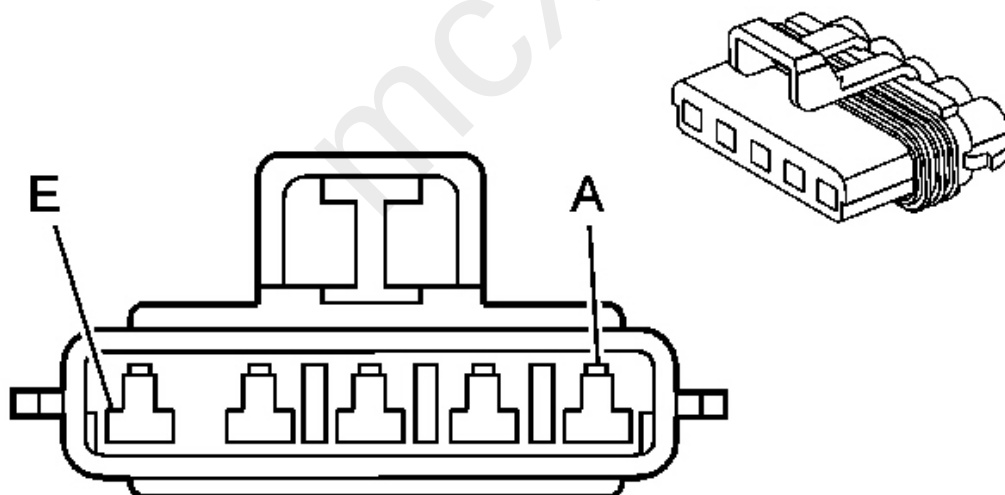


Fig. 18: M75 Windshield Wiper Motor
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Body
- OEM Connector: 12084891
- Service Connector: 15305874
- Description: 5-Way F Metri-Pack 280 Series, Sealed (GY)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 12094430
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 12077411/2
- Core/Insulation Crimp: 2/5

M75 Windshield Wiper Motor

Pin	Wire	Circuit	Function
A	-	-	Not Used
B	0.5 YE	196	Windshield Wiper Motor Park Switch Signal
C	1 BK	350	Ground
D	1 PU	92	Windshield Wiper Motor High Speed
E	1 D-GN	95	Windshield Wiper Motor Low Speed

M93 IGNITION CYLINDER LOCK CONTROL SOLENOID ACTUATOR

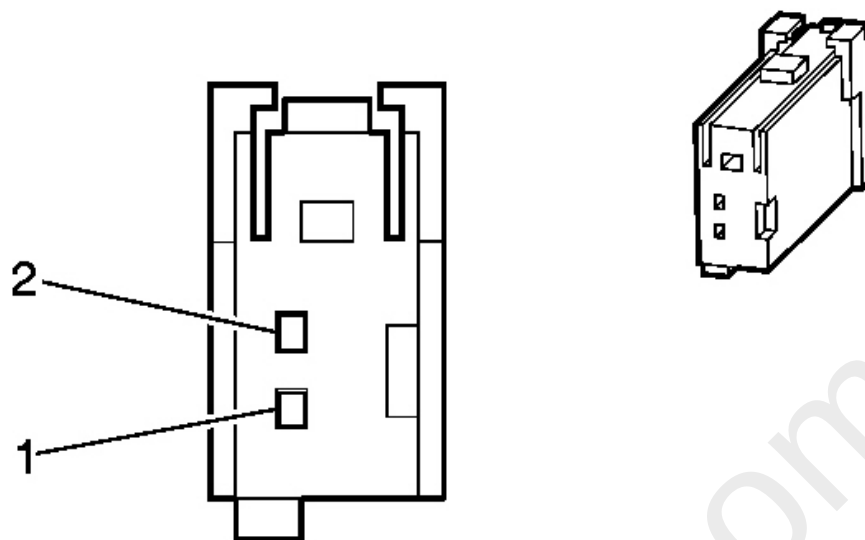


Fig. 19: M93 Ignition Cylinder Lock Control Solenoid Actuator
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Instrument Panel
- OEM Connector: AIT2PB-02A-1AK
- Service Connector: 13314093
- Description: 2-Way F 0.64 Series (BK)

Terminal Part Information

- Terminated Lead: 13575866
- Release Tool: J-38125-215A
- Diagnostic Test Probe: J-35616-64B (L-BU)
- Terminal/Tray: SAIT-A03T-M064/14
- Core/Insulation Crimp: P/P

M93 Ignition Cylinder Lock Control Solenoid Actuator

Pin	Wire	Circuit	Function
1	0.35 YE	143	Accessory Voltage

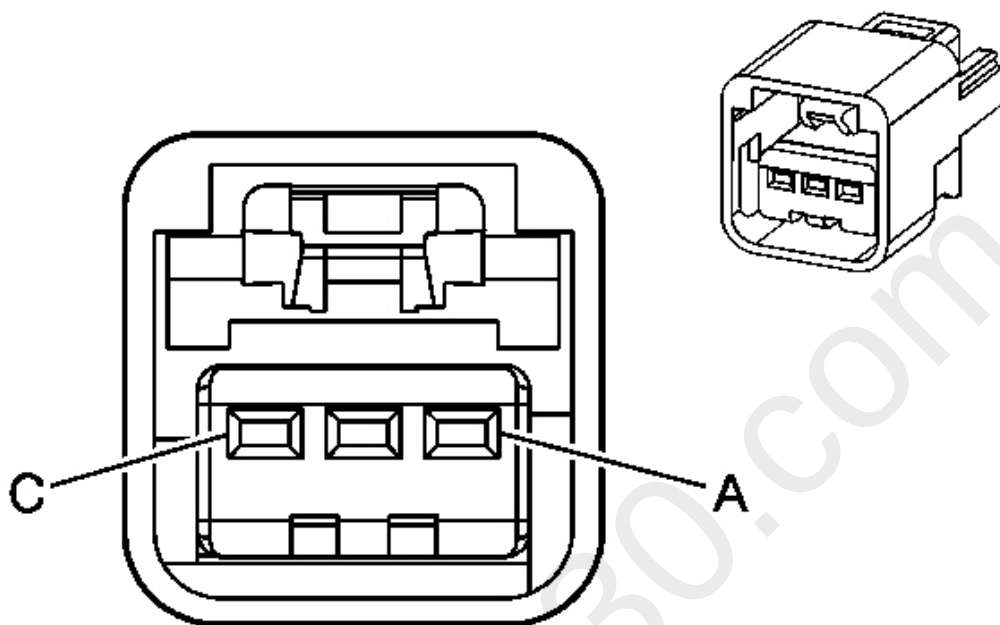
P2 TRANSMISSION SHIFT LEVER POSITION INDICATOR

Fig. 20: P2 Transmission Shift Lever Position Indicator
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

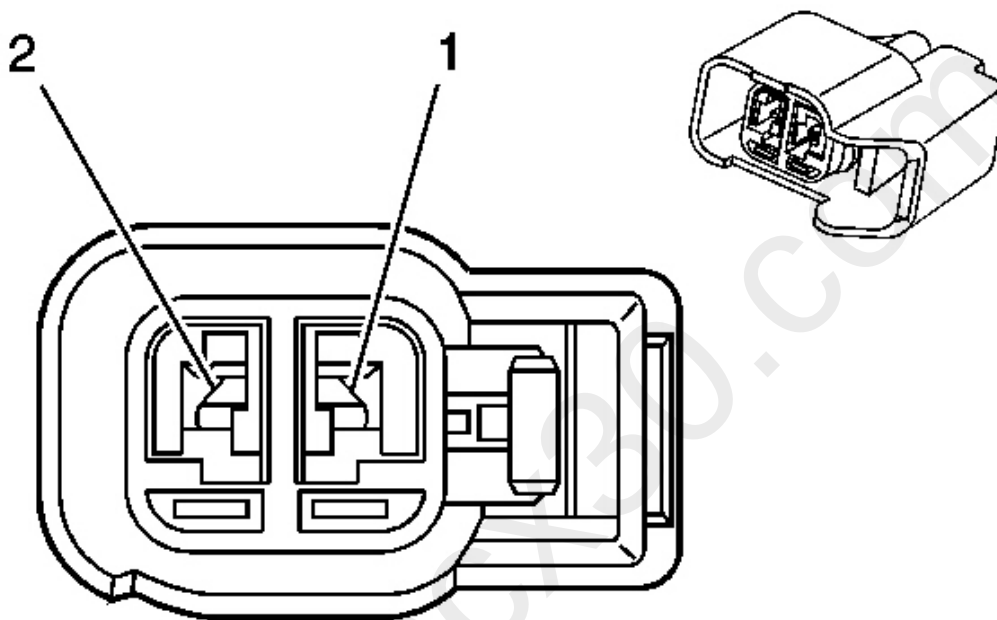
- Harness: Console
- OEM Connector: 15332132
- Service Connector: 88953364
- Description: 3-Way F GT 150 Series (BK)

Terminal Part Information

- Terminated Lead: 13575479
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: E/C

P2 Transmission Shift Lever Position Indicator

Pin	Wire	Circuit	Function
A	0.35 RD/BK	1002	RAP 1 Fuse Supply Voltage
B	0.35 D-BU	6133	Local Interconnect Network 2
C	0.5 BK/WH	651	Ground

P12A HORN - HIGH NOTE**Fig. 21: P12A Horn - High Note**

Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Forward Lamp
- OEM Connector: E-6171-001
- Service Connector: 13314096
- Description: 2-Way F GT 150 Series, Sealed (BK)

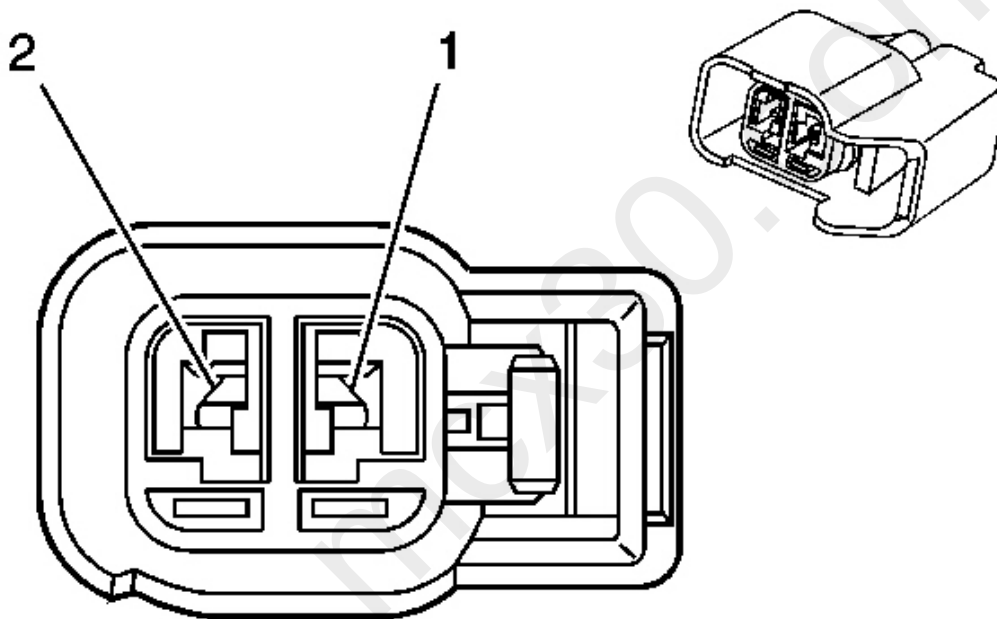
Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247

- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191819/8
- Core/Insulation Crimp: 2/1

P12A Horn - High Note

Pin	Wire	Circuit	Function
1	0.8 BK	1150	Ground
2	0.8 D-GN	29	Horn Control

P12B HORN - LOW NOTE**Fig. 22: P12B Horn - Low Note**

Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Forward Lamp
- OEM Connector: E-6171-001
- Service Connector: 13314096
- Description: 2-Way F GT 150 Series, Sealed (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191819/8
- Core/Insulation Crimp: 2/1

P12B Horn - Low Note

Pin	Wire	Circuit	Function
1	0.8 BK	1150	Ground
2	0.8 D-GN	29	Horn Control

P14 PASSENGER AIR BAG DISABLE INDICATOR

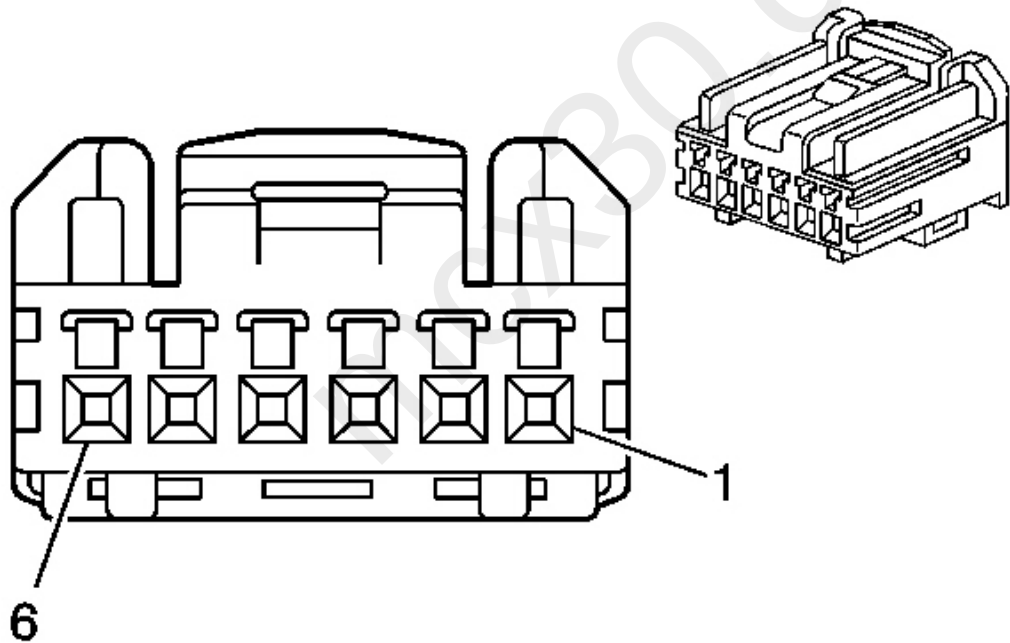


Fig. 23: P14 Passenger Air Bag Disable Indicator
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Headliner
- OEM Connector: HCMPB-C06-S
- Service Connector: 19153174
- Description: 6-Way F HCM Series (NA)

Terminal Part Information

- Terminated Lead: Service by Harness - See Part Catalog
- Release Tool: Not Available
- Diagnostic Test Probe: Pending
- Terminal/Tray: Service by Harness - See Part Catalog
- Core/Insulation Crimp: Not Available

P14 Passenger Air Bag Disable Indicator

Pin	Wire	Circuit	Function
1	0.35 D-BU	2307	Passenger Air Bag On Indicator Control
2	0.35 BK/WH	651	Ground
3	0.35 D-GN	2308	Passenger Air Bag Off Indicator Control
4	0.35 PK	339	Ignition Voltage
5	0.35 PU	5234	Front Passenger Seat Belt Indicator Control
6	-	-	Not Used

P15 REAR PARKING ASSIST REAR INDICATORS (UD7)

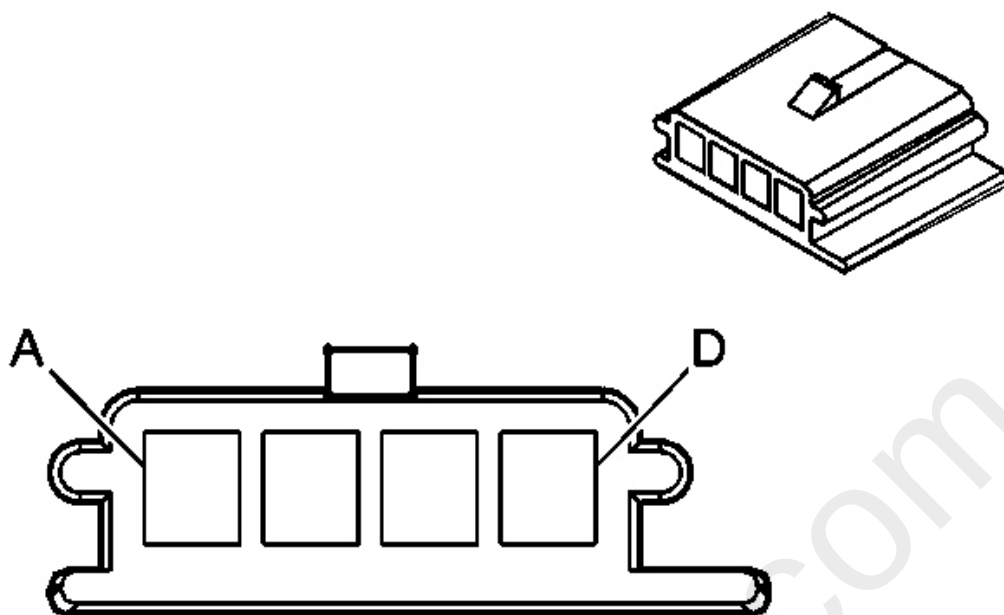


Fig. 24: P15 Rear Parking Assist Rear Indicators (UD7)
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Headliner
- OEM Connector: 12045813
- Service Connector: 12101889
- Description: 4-Way F Metri-Pack 150 Series (CR)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 12094429
- Diagnostic Test Probe: J-35616-14 (GN)
- Terminal/Tray: 15326030/2
- Core/Insulation Crimp: E/C

P15 Rear Parking Assist Rear Indicators (UD7)

Pin	Wire	Circuit	Function
A	0.35 WH	2370	Telltale Assembly Supply Voltage

B	0.35 OG	2371	Left Amber Indicator Control
C	0.35 D-BU	2372	Center Amber Indicator Control
D	0.35 GY	2373	Red Indicator Control

P16 INSTRUMENT CLUSTER

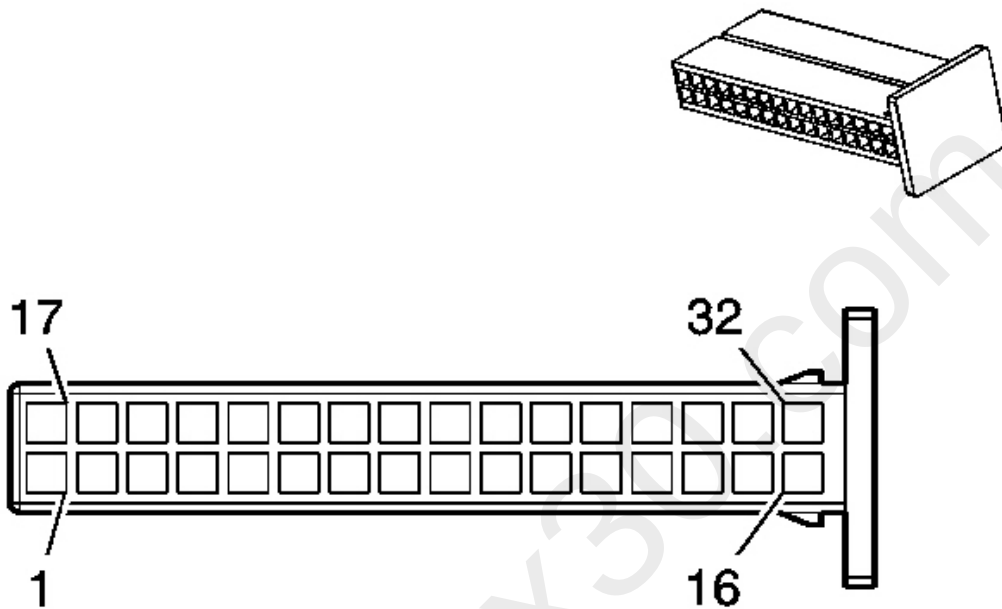


Fig. 25: P16 Instrument Cluster
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Instrument Panel
- OEM Connector: 968265-1
- Service Connector: 88988405
- Description: 32-Way F 0.64 Quadlock Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 12094429
- Diagnostic Test Probe: J-35616-64B (L-BU)
- Terminal/Tray: 928999-5/15

- Core/Insulation Crimp: H/H

P16 Instrument Cluster

Pin	Wire	Circuit	Function
1-8	-	-	Not Used
9	0.35 BN	897	DIC Switch Low Reference
10	0.35 D-GN/WH	1358	DIC Switch Signal
11	0.35 YE	61	Low Reference
12	0.35 D-GN/WH	636	Ambient Air Temperature Sensor Signal
13-15	-	-	Not Used
16	0.35 BK/WH	651	Ground
17-24	-	-	Not Used
25	0.35 BN/WH	419	MIL Control
26	0.35 D-GN	5060	Low Speed GMLAN Serial Data
27	-	-	Not Used
28	0.35 PK	893	DIC Select Menu Switch Signal
29-30	-	-	Not Used
31	0.35 PK	139	Ignition 1 Voltage
32	0.35 RD/WH	2840	Battery Positive Voltage

P17 INFO DISPLAY MODULE (UYS OR PCJ)

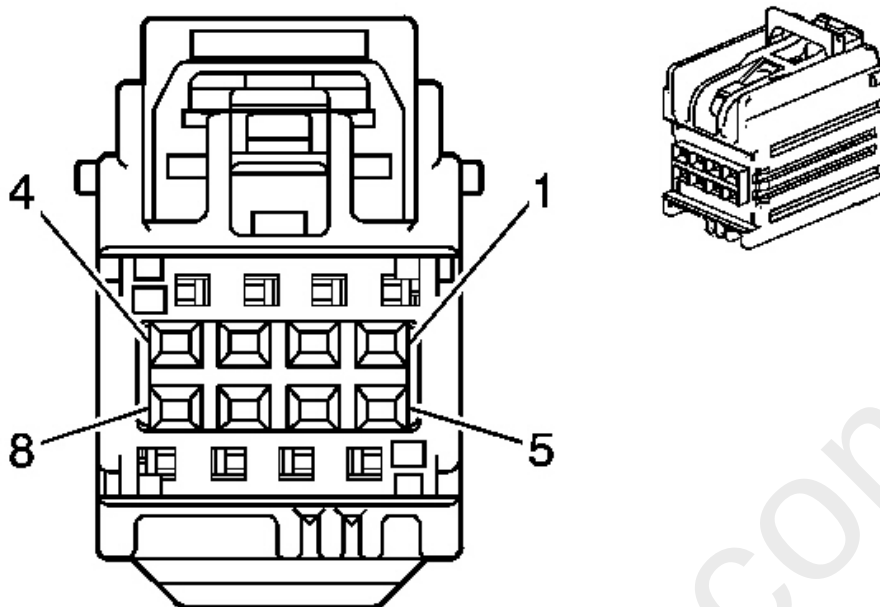


Fig. 26: P17 Info Display Module (UYS or PCJ)
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Instrument Panel
- OEM Connector: 7283-9028-30
- Service Connector: 13316159
- Description: 8-Way F YESC Kaizen Series (BK)

Terminal Part Information

- Terminated Lead: 13575866
- Release Tool: J-38125-215A
- Diagnostic Test Probe: J-35616-64B (L-BU)
- Terminal/Tray: SAIT-A03T-M064/14
- Core/Insulation Crimp: P/P

P17 Info Display Module (UYS or PCJ)

Pin	Wire	Circuit	Function
1	0.5 RD/WH	3240	Battery Positive Voltage

2	0.35 BK/WH	1551	Ground
3	-	-	Not Used
4	0.35 PK	3369	Touch +
5	0.35 L-GN	3364	Navigation Reset Signal
6	0.35 WH	7066	Remote Enable
7	0.35 BARE	3368	Touch Screen Display Drain Wire
8	0.35 PU	3370	Touch -

P17 INFO DISPLAY MODULE (WITHOUT UYS OR PCJ)

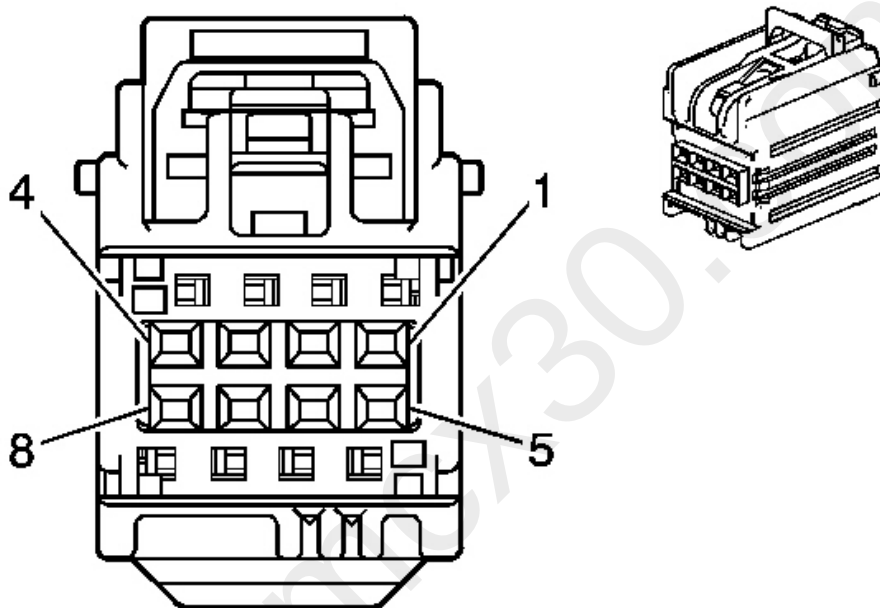


Fig. 27: P17 Info Display Module (without UYS or PCJ)
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Instrument Panel
- OEM Connector: 7283-9028-30
- Service Connector: 13316159
- Description: 8-Way F YESC Kaizen Series (BK)

Terminal Part Information

- Terminated Lead: 13575866
- Release Tool: J-38125-215A
- Diagnostic Test Probe: J-35616-64B (L-BU)
- Terminal/Tray: SAIT-A03T-M064/14
- Core/Insulation Crimp: P/P

P17 Info Display Module (without UYS or PCJ)

Pin	Wire	Circuit	Function
1	0.5 RD/WH	3240	Battery Positive Voltage
2	0.35 BK/WH	1551	Ground
3	0.35 L-BU	7532	Local Interconnect Network 10
4	0.35 L-GN	3291	Center Stack Wake-Up Signal
5	0.35 PK	3290	Center Stack Reset Signal
6	0.35 BARE	7460	Integrated Center Stack Serial Data Shield
7	0.35 TN	7458	CGI +
8	0.35 YE	7459	CGI -

P19AC SPEAKER - SUBWOOFER (UZ8)

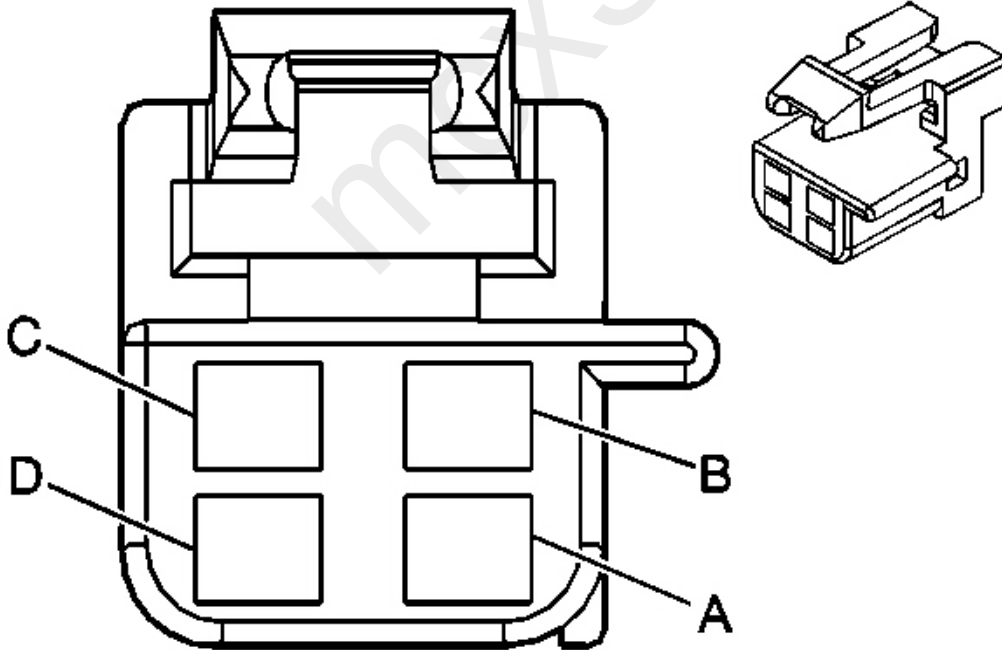


Fig. 28: P19AC Speaker - Subwoofer (UZ8)

Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Body
- OEM Connector: 12064760
- Service Connector: 12085208
- Description: 4-Way F Metri-Pack 150 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 12094429
- Diagnostic Test Probe: J-35616-14 (GN)
- Terminal/Tray: 15326030/2
- Core/Insulation Crimp: E/A

P19AC Speaker - Subwoofer (UZ8)

Pin	Wire	Circuit	Function
A	1 L-GN/BK	1794	Left Subwoofer Speaker Output -
B	1 D-BU/WH	346	Left Subwoofer Speaker Output +
C	1 L-BU/BK	315	Right Subwoofer Speaker Output -
D	1 D-GN	1795	Right Subwoofer Speaker Output +

P19B SPEAKER - CENTER INSTRUMENT PANEL (UZ8)

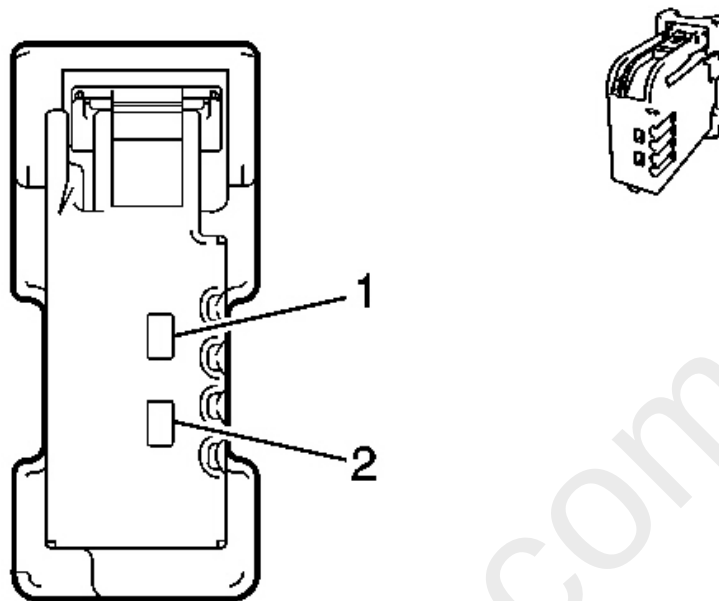


Fig. 29: P19B Speaker - Center Instrument Panel (UZ8)

Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Instrument Panel
- OEM Connector: 6098-6183
- Service Connector: 13505908
- Description: 2-Way F 1.5 Series (BK)

Terminal Part Information

- Terminated Lead: 13575855
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 8240-0127/22
- Core/Insulation Crimp: E/C

P19B Speaker - Center Instrument Panel (UZ8)

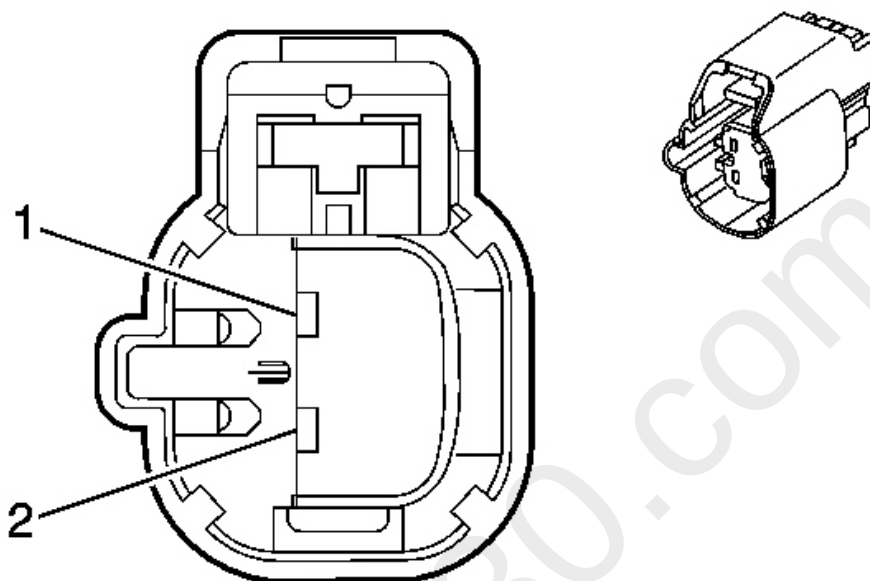
Pin	Wire	Circuit	Function
1	0.35 L-BU	1960	Front Center Speaker Output -

2

0.35 YE

1860

Front Center Speaker Output +

P19G SPEAKER - LEFT FRONT (UW6)**Fig. 30: P19G Speaker - Left Front (UW6)**

Courtesy of GENERAL MOTORS CORP.

Connector Part Information

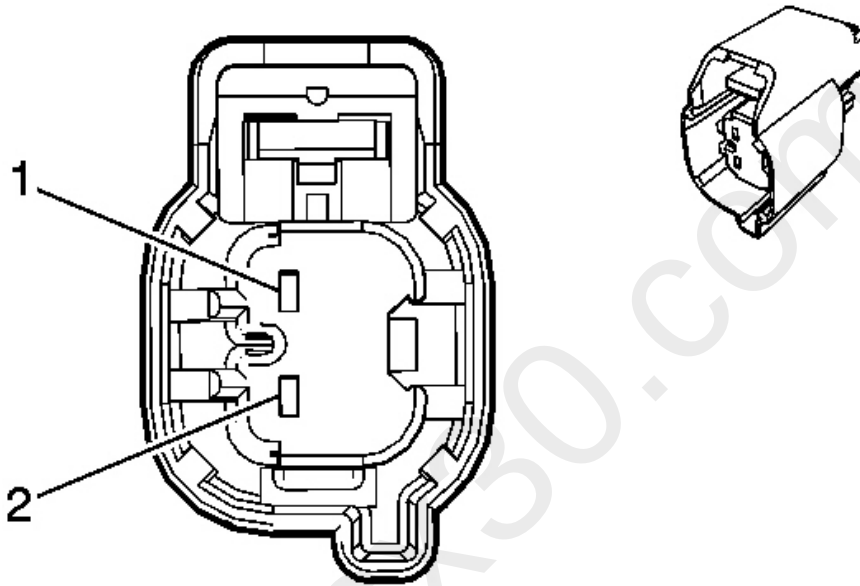
- Harness: Driver Door
- OEM Connector: R63461-003
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F GT 150 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: C/A

P19G Speaker - Left Front (UW6)

Pin	Wire	Circuit	Function
1	0.8 GY	118	Left Front Speaker Output -
2	0.8 TN	201	Left Front Speaker Output +

P19G SPEAKER - LEFT FRONT (UZ8)**Fig. 31: P19G Speaker - Left Front (UZ8)**

Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Driver Door
- OEM Connector: R63461-004
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F GT 150 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247

- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: C/A

P19G Speaker - Left Front (UZ8)

Pin	Wire	Circuit	Function
1	0.8 GY	118	Left Front Speaker Output -
2	0.8 TN	201	Left Front Speaker Output +

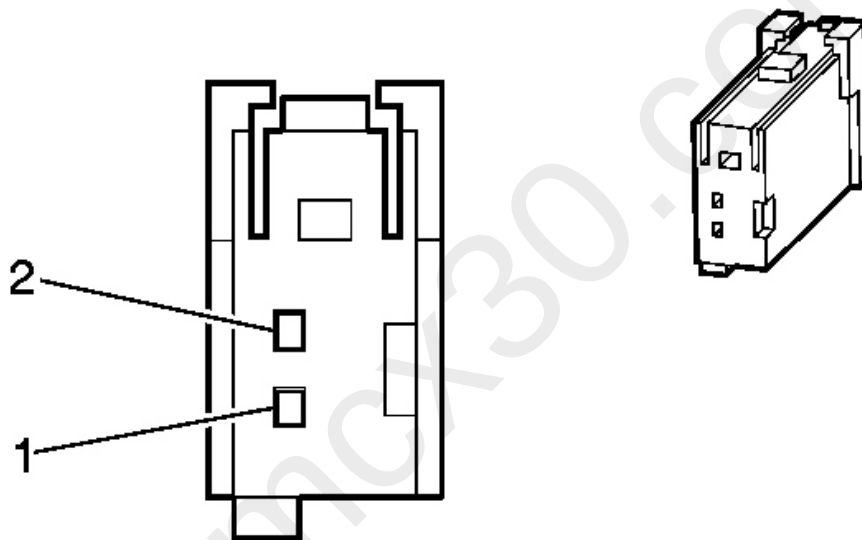
P19H SPEAKER - LEFT FRONT TWEETER

Fig. 32: P19H Speaker - Left Front Tweeter
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Instrument Panel
- OEM: AIT2PB-02A-1AK
- Service Connector: 13505908
- Description: 2-Way F 0.64 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: J-38125-215A
- Diagnostic Test Probe: J-35616-64B (L-BU)
- Terminal/Tray: SAIT-A03T-M064/14
- Core/Insulation Crimp: P/P

P19H Speaker - Left Front Tweeter

Pin	Wire	Circuit	Function
1	0.5 GY	118	Left Front Speaker Output -
2	0.5 TN	201	Left Front Speaker Output +

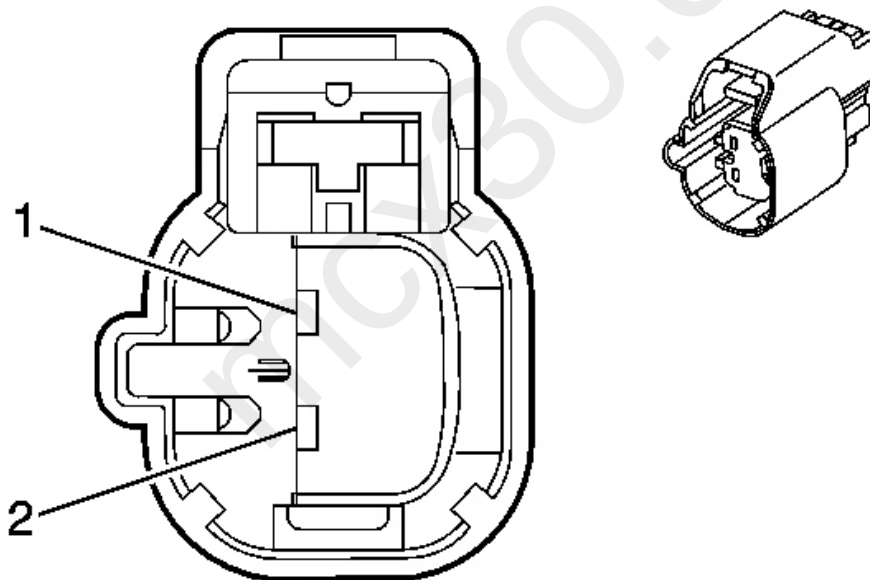
P19K SPEAKER - LEFT REAR (UW6)

Fig. 33: P19K Speaker - Left Rear (UW6)
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Left Rear Door
- OEM Connector: R63461-003
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F GT 150 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: C/A

P19K Speaker - Left Rear (UW6)

Pin	Wire	Circuit	Function
1	0.8 YE	116	Left Rear Speaker Output -
2	0.8 BN	199	Left Rear Speaker Output +

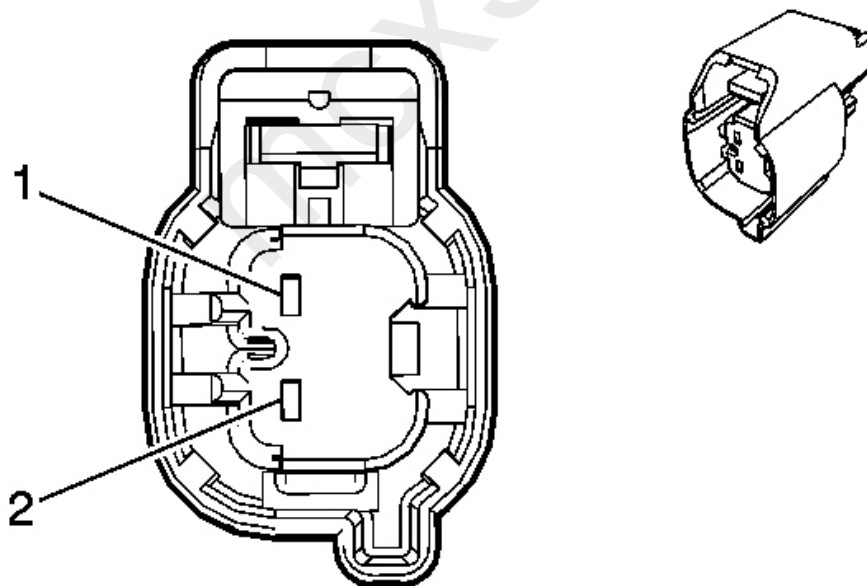
P19K SPEAKER - LEFT REAR (UZ8)

Fig. 34: P19K Speaker - Left Rear (UZ8)

Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Left Rear Door
- OEM Connector: R63461-004
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F GT 150 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: C/A

P19K Speaker - Left Rear (UZ8)

Pin	Wire	Circuit	Function
1	0.8 YE	116	Left Rear Speaker Output -
2	0.8 BN	199	Left Rear Speaker Output +

P19U SPEAKER - RIGHT FRONT (UW6)

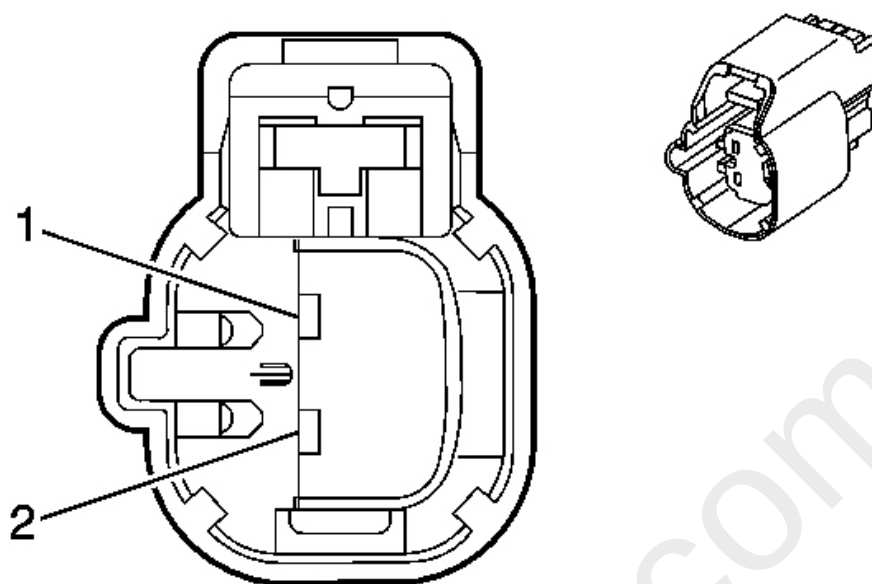


Fig. 35: P19U Speaker - Right Front (UW6)
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Passenger Door
- OEM Connector: R63461-003
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F GT 150 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: C/A

P19U Speaker - Right Front (UW6)

Pin	Wire	Circuit	Function
1	0.8 D-GN	117	Right Front Speaker Output -

2

0.8 L-GN

200

Right Front Speaker Output +

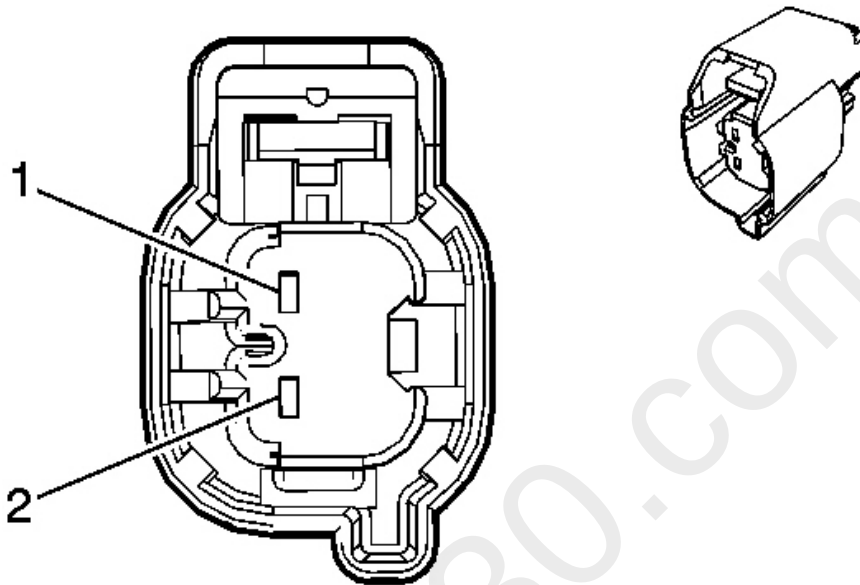
P19U SPEAKER - RIGHT FRONT (UZ8)

Fig. 36: P19U Speaker - Right Front (UZ8)
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Passenger Door
- OEM Connector: R63461-004
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F GT 150 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: C/A

P19U Speaker - Right Front (UZ8)

Pin	Wire	Circuit	Function
1	0.8 D-GN	117	Right Front Speaker Output -
2	0.8 L-GN	200	Right Front Speaker Output +

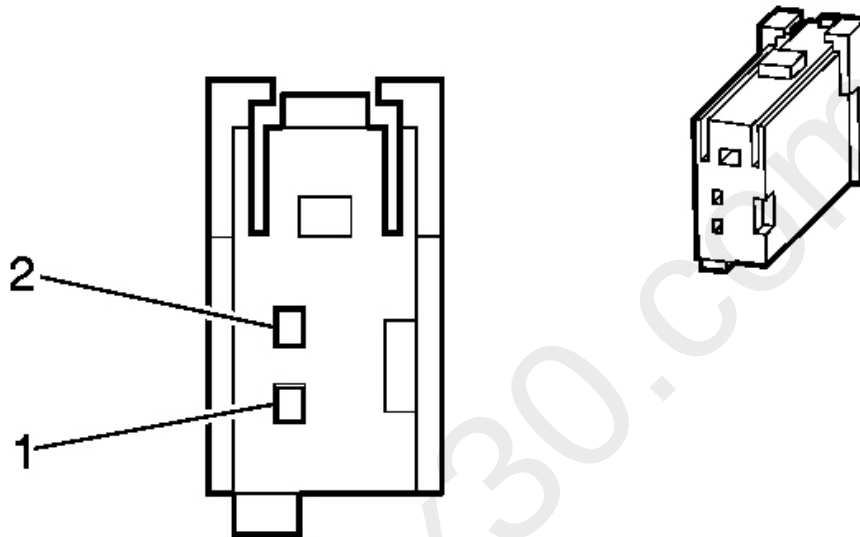
P19V SPEAKER - RIGHT FRONT TWEETER

Fig. 37: P19V Speaker - Right Front Tweeter
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Instrument Panel
- OEM: AIT2PB-02A-1AK
- Service Connector: 13505908
- Description: 2-Way F 0.64 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: J-38125-215A

- Diagnostic Test Probe: J-35616-64B (L-BU)
- Terminal/Tray: SAIT-A03T-M064/14
- Core/Insulation Crimp: P/P

P19V Speaker - Right Front Tweeter

Pin	Wire	Circuit	Function
1	0.5 D-GN	117	Right Front Speaker Output -
2	0.5 L-GN	200	Right Front Speaker Output +

P19X SPEAKER - RIGHT REAR (UW6)

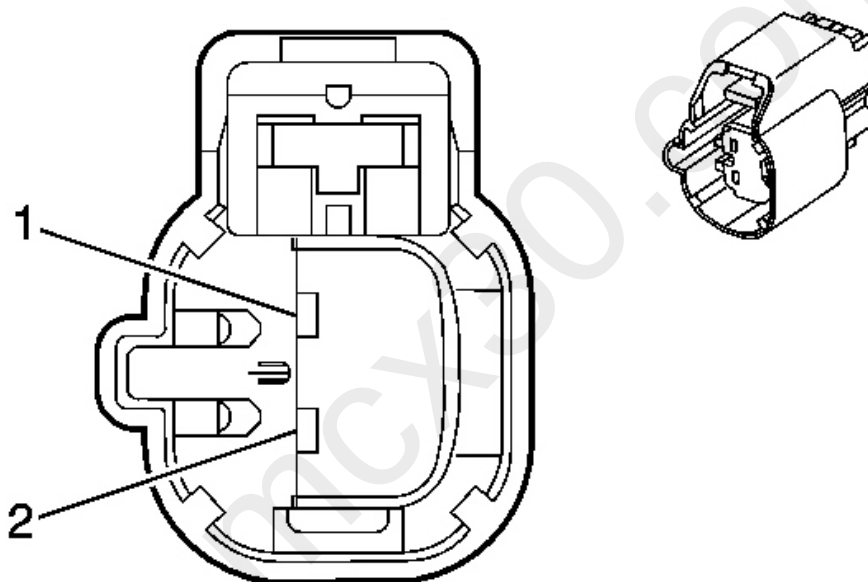


Fig. 38: P19X Speaker - Right Rear (UW6)
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Right Rear Door
- OEM Connector: R63461-003
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F GT 150 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: C/A

P19X Speaker - Right Rear (UW6)

Pin	Wire	Circuit	Function
1	0.8 L-BU	115	Right Rear Speaker Output -
2	0.8 D-BU	46	Right Rear Speaker Output +

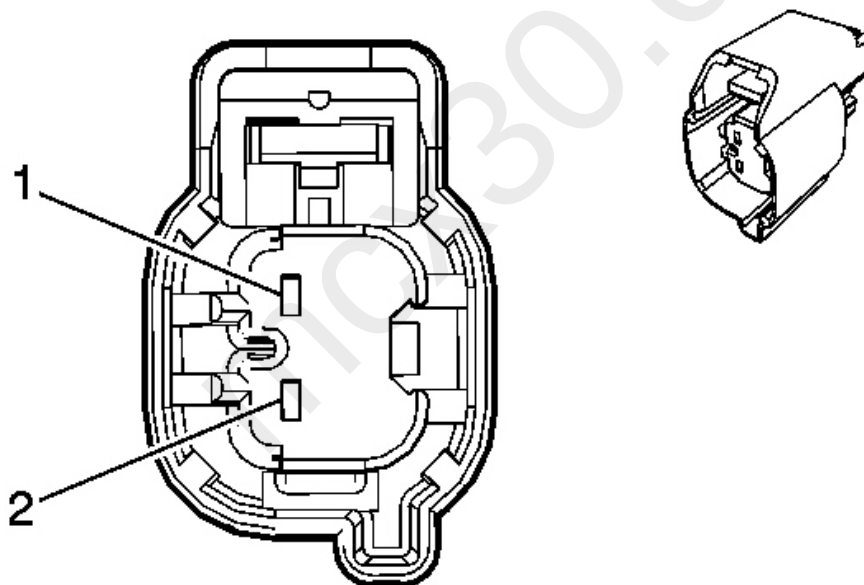
P19X SPEAKER - RIGHT REAR (UZ8)

Fig. 39: P19X Speaker - Right Rear (UZ8)
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Right Rear Door
- OEM Connector: R63461-004
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F GT 150 Series (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: C/A

P19X Speaker - Right Rear (UZ8)

Pin	Wire	Circuit	Function
1	0.8 L-BU	115	Right Rear Speaker Output -
2	0.8 D-BU	46	Right Rear Speaker Output +

P22E VIDEO DISPLAY - DRIVER SEATBACK (UWG)

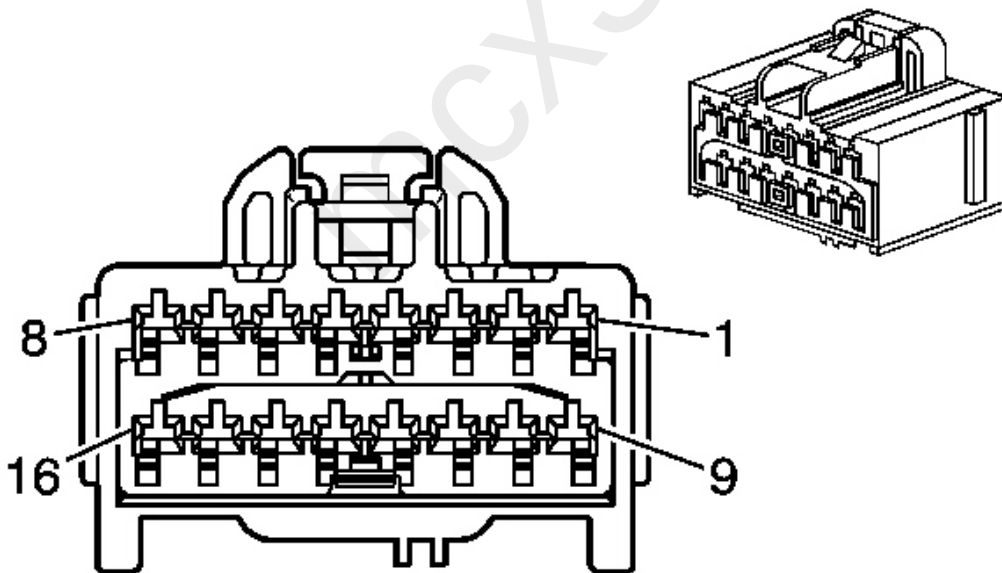


Fig. 40: P22E Video Display - Driver Seatback (UWG)
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Driver Seat Back
- OEM Connector: 7283-9076-30
- Service Connector: 15136073
- Description: 16-Way F Kaizen 64 Series (BK)

Terminal Part Information

- Terminated Lead: 13575866
- Release Tool: J-38125-215A
- Diagnostic Test Probe: J-35616-64B (L-BU)
- Terminal/Tray: SAIT-A03T-M064/14
- Core/Insulation Crimp: P/P

P22E Video Display - Driver Seatback (UWG)

Pin	Wire	Circuit	Function
1	0.35 RD/WH	4240	Battery Positive Voltage
2	0.35 WH	7066	Remote Enable
3	0.35 OG/BK	5329	Left Infrared Audio Signal
4	0.35 PU/WH	5330	Right Infrared Audio Signal
5	0.35 PU	6979	DVD Audio Common
6	0.35 L-BU	5826	Left DVD Audio Signal +
7	0.35 WH	5828	Right DVD Audio Signal +
8	0.35 BK/WH	1551	Ground
9	0.35 D-GN	6975	DVD Video Signal +
10	0.35 WH/BK	5335	DVD Video Signal -
11	0.35 D-BU/WH	3360	Audio Common
12	0.35 OG/BK	5831	Low Reference
13	0.35 TN/WH	5830	Right Infrared Audio Signal
14	0.35 BK/WH	1551	Ground
15	0.35 L-GN/BK	5845	Video Mode Signal
16	0.35 PK/BK	5844	Video Bright Signal

P22F VIDEO DISPLAY - PASSENGER SEATBACK (UWG)

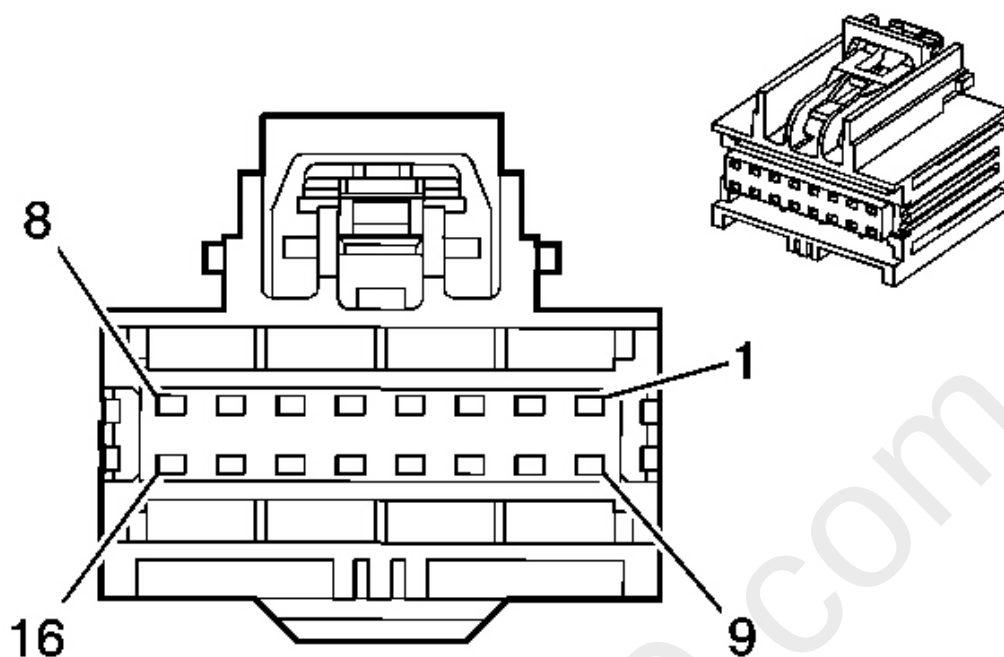


Fig. 41: P22F Video Display - Passenger Seatback (UWG)
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Passenger Seat Back
- OEM Connector: 7283-9077-40
- Service Connector: 13504589
- Description: 16-Way F Kaizen 64 Series (L-GY)

Terminal Part Information

- Terminated Lead: 13575866
- Release Tool: J-38125-215A
- Diagnostic Test Probe: J-35616-64B (L-BU)
- Terminal/Tray: SAIT-A03T-M064/14
- Core/Insulation Crimp: P/P

P22F Video Display - Passenger Seatback (UWG)

Pin	Wire	Circuit	Function

1	0.35 RD/WH	4240	Battery Positive Voltage
2	0.35 WH	7066	Remote Enable
8	0.35 BK/WH	1551	Ground
9	0.35 L-GN	7396	DVD Video Signal 2 +
10	0.35 WH	7394	DVD Video Signal 2 -
12	0.35 OG/BK	5831	Low Reference
13	0.35 TN/WH	5830	Right Infrared Audio Signal
14	0.35 BK/WH	1551	Ground
15	0.35 WH	7395	Video Mode 2 Signal
16	0.35 PK/BK	5844	Video Bright Signal

Q2 A/C COMPRESSOR CLUTCH

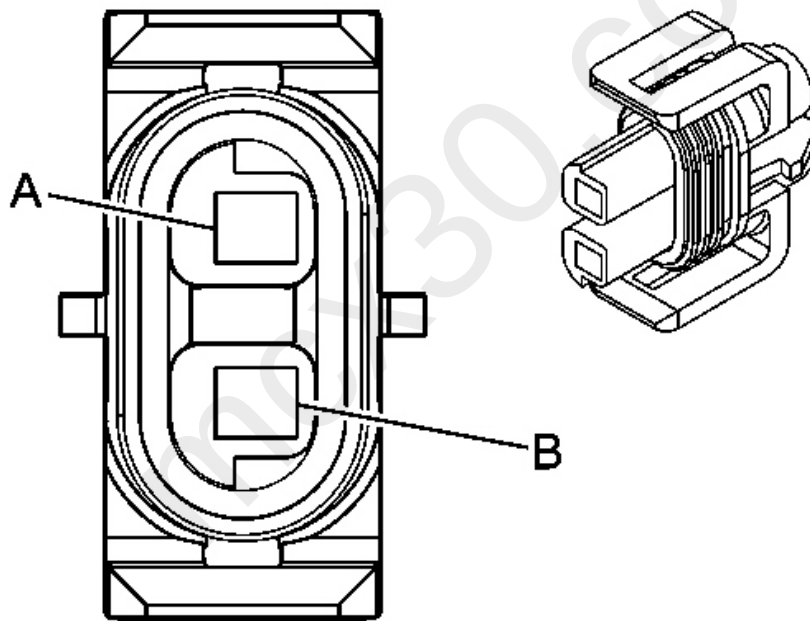


Fig. 42: Q2 A/C Compressor Clutch
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Engine
- OEM Connector: 12162017

- Service Connector: 12101937
- Description: 2-Way F Metri-Pack 150 Series, Sealed (GY)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 12094429
- Diagnostic Test Probe: J-35616-14 (GN)
- Terminal/Tray: 12048074/2
- Core/Insulation Crimp: E/1

Q2 A/C Compressor Clutch

Pin	Wire	Circuit	Function
A	0.35 BK	250	Ground
B	0.5 D-GN	59	A/C Compressor Clutch Supply Voltage

Q6A CAMSHAFT POSITION ACTUATOR SOLENOID VALVE - BANK 1 EXHAUST (LF1)

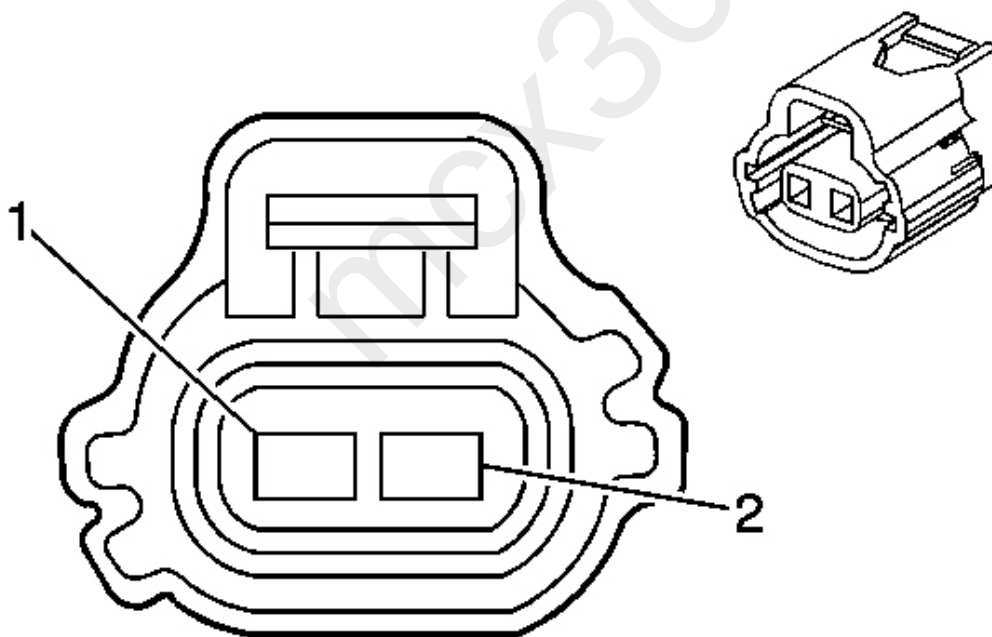


Fig. 43: Q6A Camshaft Position Actuator Solenoid Valve - Bank 1 Exhaust (LF1)
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Engine
- OEM Connector: 7283-7526-30
- Service Connector: 88988588
- Description: 2-Way F Sealed (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15313892
- Diagnostic Test Probe: J-35616-18 (BK)
- Terminal/Tray: 7116-4025/11
- Core/Insulation Crimp: E/1

Q6A Camshaft Position Actuator Solenoid Valve - Bank 1 Exhaust (LF1)

Pin	Wire	Circuit	Function
1	0.5 WH/BK	6396	Cam Phaser Control
2	0.5 BN/WH	6754	Low Reference

Q6B CAMSHAFT POSITION ACTUATOR SOLENOID VALVE - BANK 1 INTAKE (LF1)

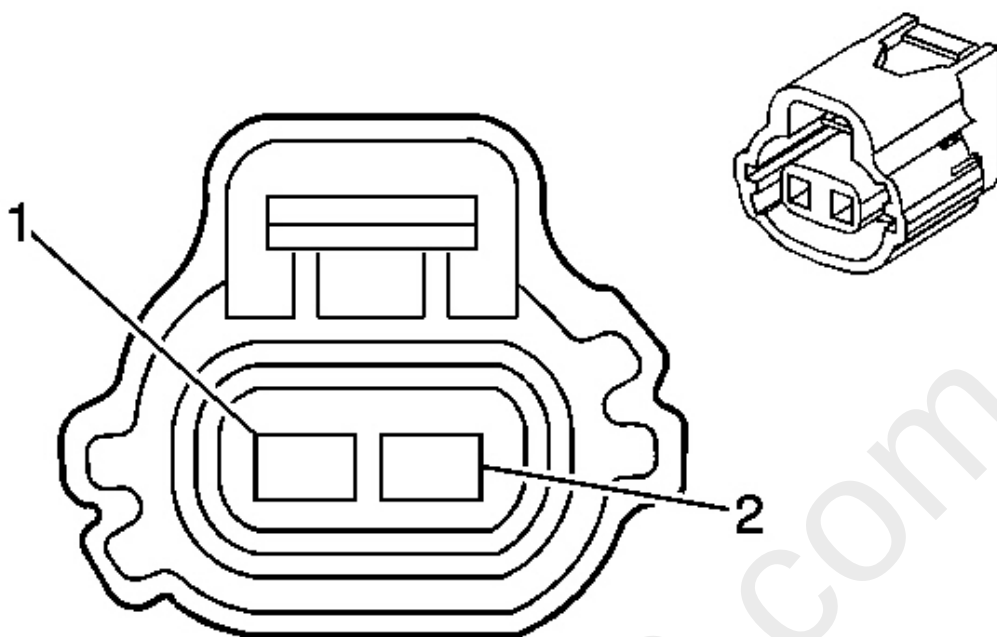


Fig. 44: Q6B Camshaft Position Actuator Solenoid Valve - Bank 1 Intake (LF1)
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Engine
- OEM Connector: 7283-7526-30
- Service Connector: 88988588
- Description: 2-Way F Sealed (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15313892
- Diagnostic Test Probe: J-35616-18 (BK)
- Terminal/Tray: 7116-4025/11
- Core/Insulation Crimp: E/1

Q6B Camshaft Position Actuator Solenoid Valve - Bank 1 Intake (LF1)

Pin	Wire	Circuit	Function

1	0.5 PK/BK	6395	Cam Phaser Control
2	0.5 BN	6753	Low Reference

Q6C CAMSHAFT POSITION ACTUATOR SOLENOID VALVE - BANK 2 EXHAUST (LF1)

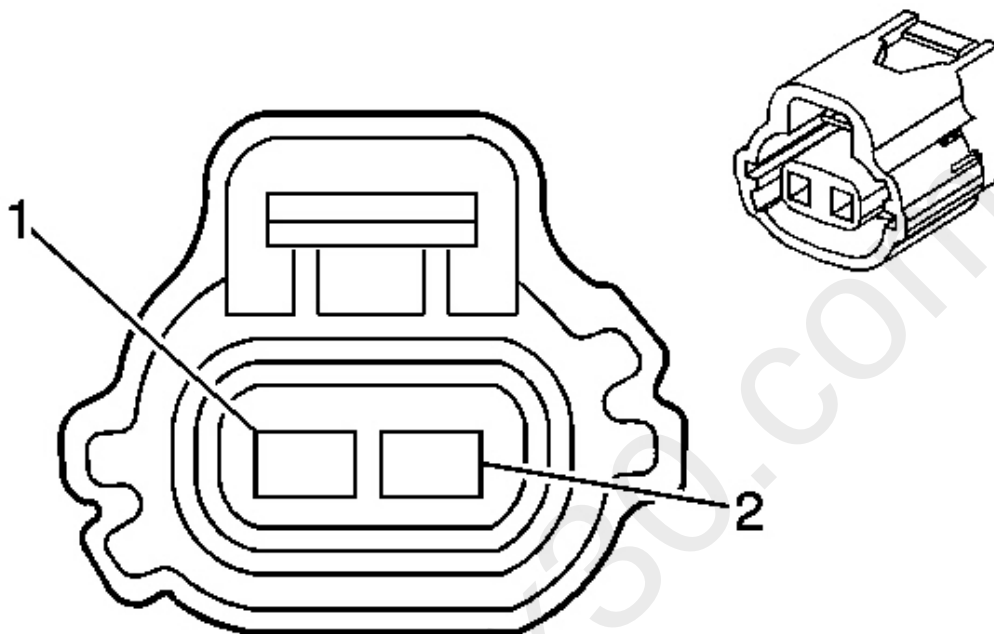


Fig. 45: Q6C Camshaft Position Actuator Solenoid Valve - Bank 2 Exhaust (LF1)
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Engine
- OEM Connector: 7283-7526-30
- Service Connector: 88988588
- Description: 2-Way F Sealed (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15313892
- Diagnostic Test Probe: J-35616-18 (BK)
- Terminal/Tray: 7116-4025/11

- Core/Insulation Crimp: E/1

Q6C Camshaft Position Actuator Solenoid Valve - Bank 2 Exhaust (LF1)

Pin	Wire	Circuit	Function
1	0.5 GY/BK	6394	Cam Phaser Control
2	0.5 D-BU/WH	6756	Low Reference

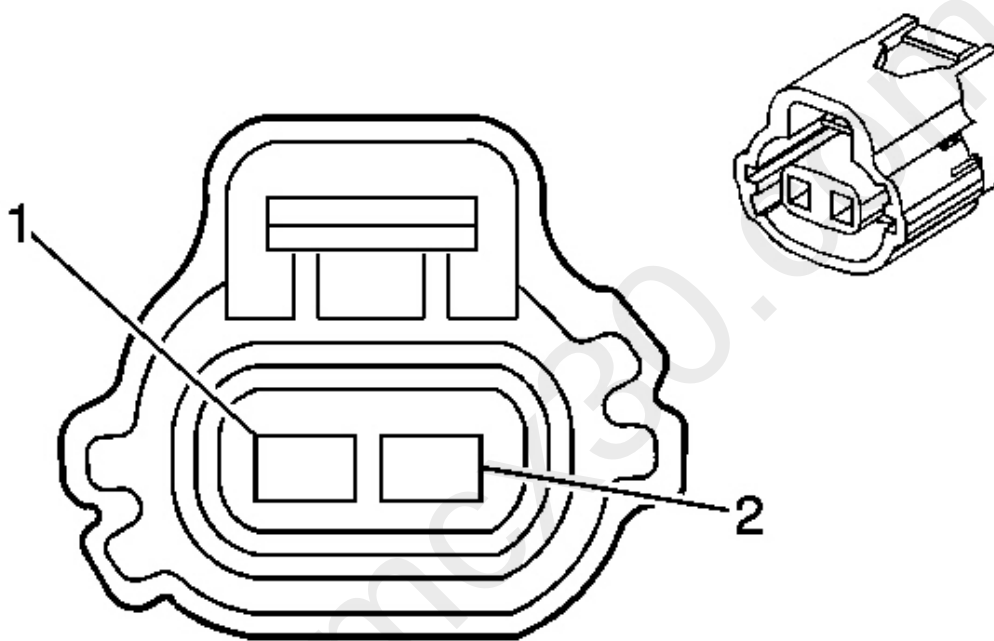
Q6D CAMSHAFT POSITION ACTUATOR SOLENOID VALVE - BANK 2 INTAKE (LF1)

Fig. 46: Q6D Camshaft Position Actuator Solenoid Valve - Bank 2 Intake (LF1)
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Engine
- OEM Connector: 7283-7526-30
- Service Connector: 88988588
- Description: 2-Way F Sealed (BK)

Terminal Part Information

- Terminated Lead: Pending
- Release Tool: 15313892
- Diagnostic Test Probe: J-35616-18 (BK)
- Terminal/Tray: 7116-4025/11
- Core/Insulation Crimp: E/1

Q6D Camshaft Position Actuator Solenoid Valve - Bank 2 Intake (LF1)

Pin	Wire	Circuit	Function
1	0.5 TN/BK	6397	Cam Phaser Control
2	0.5 D-BU	6755	Low Reference