

2008 ELECTRICAL

Wiring Systems and Power Management - Optra

SPLICE PACK CONNECTOR END VIEWS

JX101

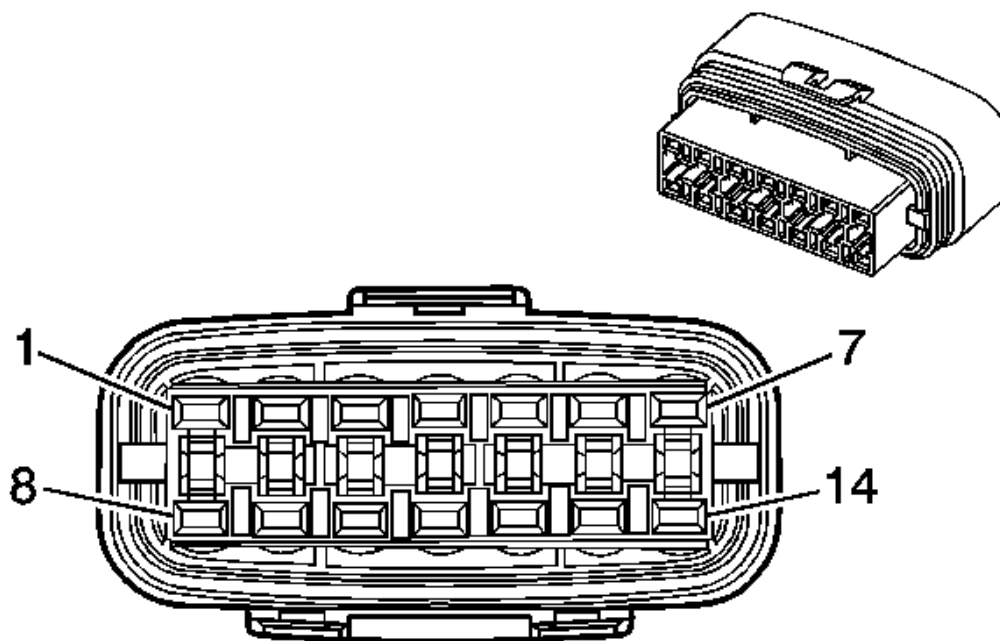


Fig. 1: JX101 Splice Pack Connector End View
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- OEM: 368285-1
- Service: N/A
- Description: 14-Way 090 Series 14P Splice Pack Plug Assembly (BK)

JX101

Pin	Wire Color	Circuit No.	Function
-----	------------	-------------	----------

--	--	--	--

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

1-4	BK	808	Low Reference (MR140 Mexico, MR140 Japan, MT34)
	BK/YE		Low Reference (MR140 LHD, RHD, HV240 LHD, RHD)
5-7	GY	632	Ignition Coil Module Control (HV240)
	D-GN/WH	423	Ignition Coil Module Control (MR 140)
8-11	PK	139	Ignition 1 Voltage (HV240)
	OG/BK	469	Low Reference (MR 140, MT34)
12-14	PU/WH	632	Low Reference (HV240)
	L-BU	406	Ignition Coil Module Control (MR 140)

JX201

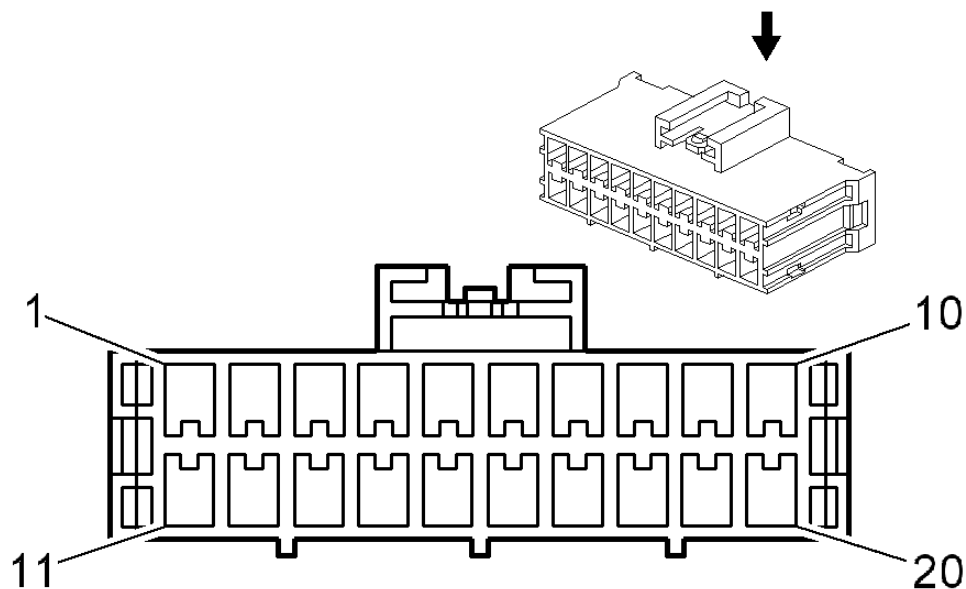


Fig. 2: JX201 Splice Pack Connector End View
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

- OEM: Asia 808613
- Service: N/A
- Description: 20-Way F (BK)

JX201

Pin	Wire Color	Circuit No.	Function
1-4	L-BU	1346	Headlamp Relay Supply Voltage/Headlamp Control
5-10	PU	2000	Serial Data (Gasoline)
	PU	12	Headlamp Low Beam Supply Voltage (Diesel)
11-14	PU	2000	Serial Data (Diesel)
	L-GN	11	Headlamp High Beam Supply Voltage (Gasoline)
15-17	-	-	Not Used
18-20	L-GN	11	Headlamp High Beam Supply Voltage (Diesel)
	OG	1140	Battery Voltage (Gasoline)

JX202

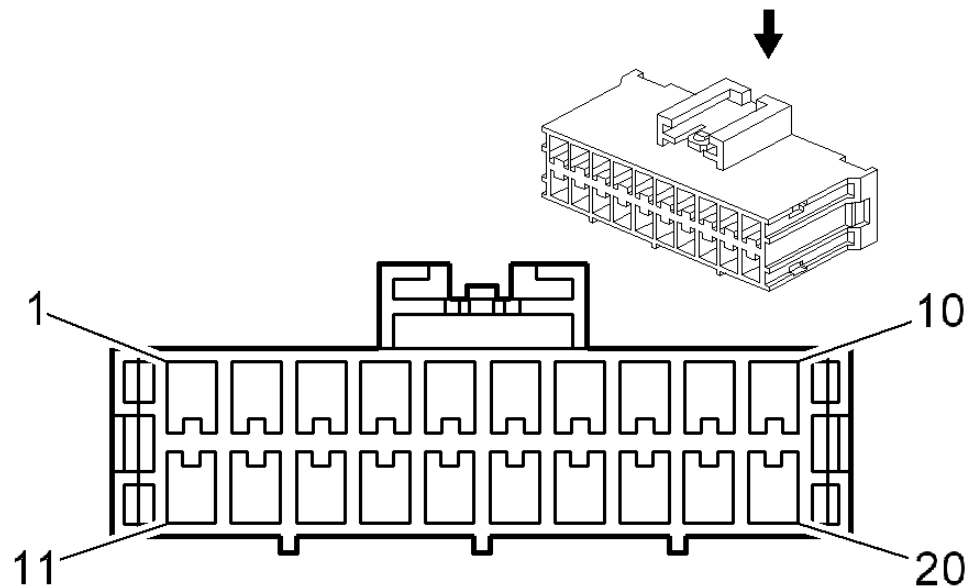


Fig. 3: JX202 Splice Pack Connector End View
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- OEM: Asia 808613
- Service: N/A
- Description: 20-Way F (BK)

JX202

Pin	Wire Color	Circuit	Function
1-4	L-BU	14	Left Turn Signal Lamps Indicator Control
5-10	D-GN/WH	817	Vehicle Speed Signal
11-14	D-BU	15	Right Turn Signal Lamps Supply Voltage
15-17	RD	122	Rear Fog Lamp Supply Voltage (Except North America)
18-20	PK	16	Turn Signal Switch Supply Voltage

JX203

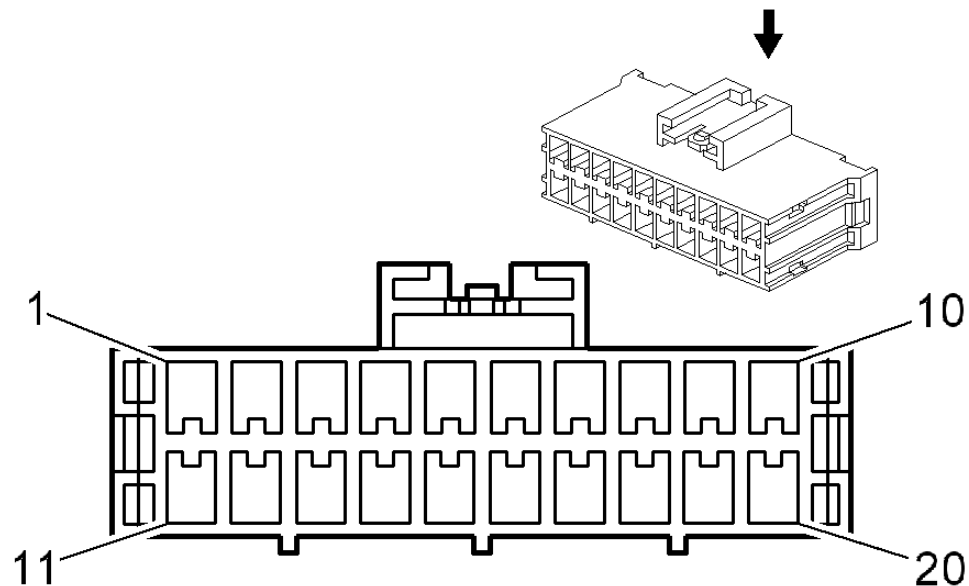


Fig. 4: JX203 Splice Pack Connector End View
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- OEM: Asia 808613
- Service: N/A
- Description: 20-Way F (RD)

JX203

Pin	Wire Color	Circuit No.	Function
1-10	BK	1050	Ground
11-20	D-GN	44	Instrument Panel Lamps Dimming Control

JX204

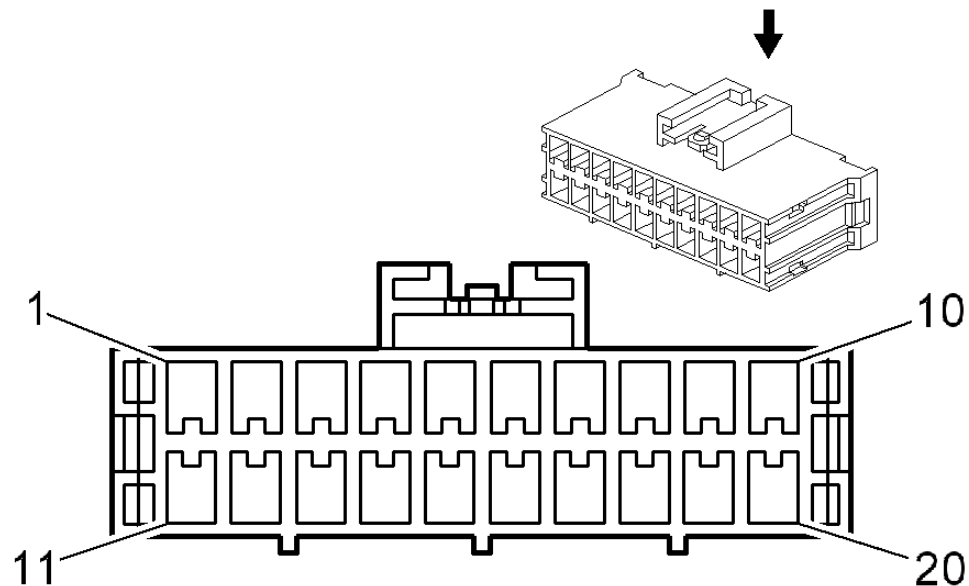


Fig. 5: JX204 Splice Pack Connector End View
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- OEM: Asia 808613
- Service: N/A
- Description: 20-Way F (VT)

JX204

Pin	Wire Color	Circuit No.	Function
1-15	BN/WH	309	Instrument Panel Lamps Supply Voltage
16-20	GN	95	Windshield Washer Switch Signal

JX301

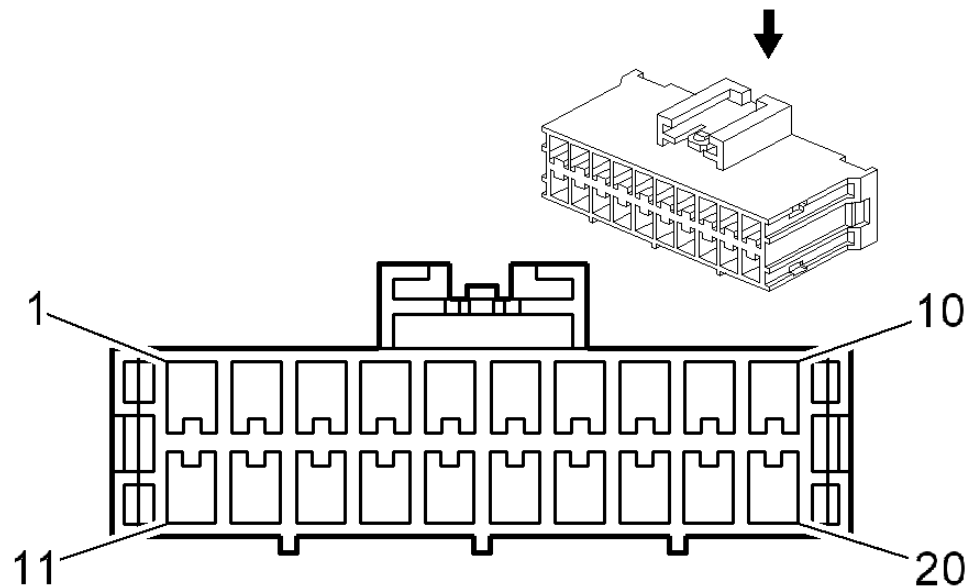


Fig. 6: JX301 Splice Pack Connector End View
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- OEM: Asia 808613
- Service: N/A
- Description: 20-Way F (BU)

JX301

Pin	Wire Color	Circuit No.	Function
1-4	PU/WH	33	Brake Warning Indicator Control
5-10	D-BU	1307	Power Window Master Switch Lockout Control
11-14	L-BU	20	Stop Lamp Supply Voltage
15-20	PU	156	Courtesy Lamp Control

JX302

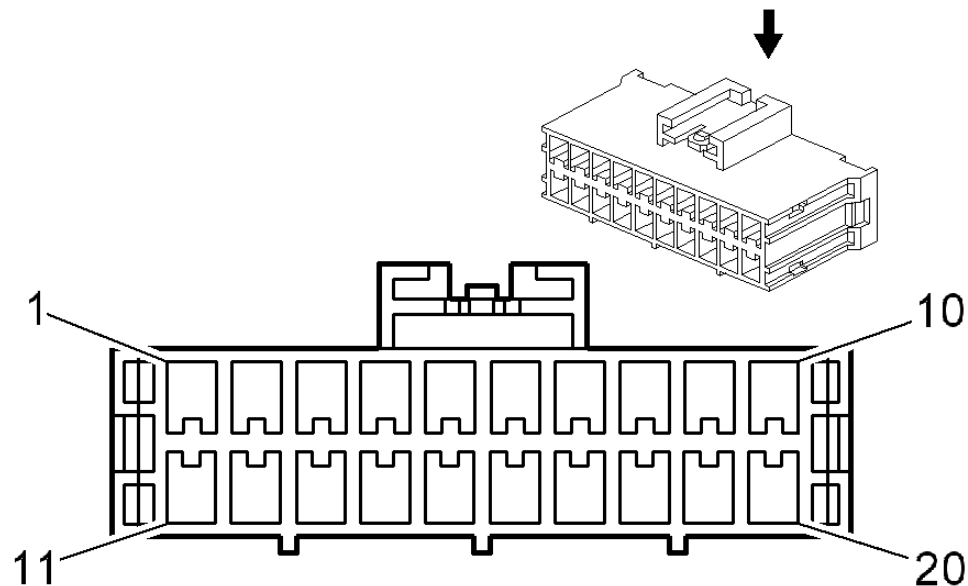


Fig. 7: JX302 Splice Pack Connector End View
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

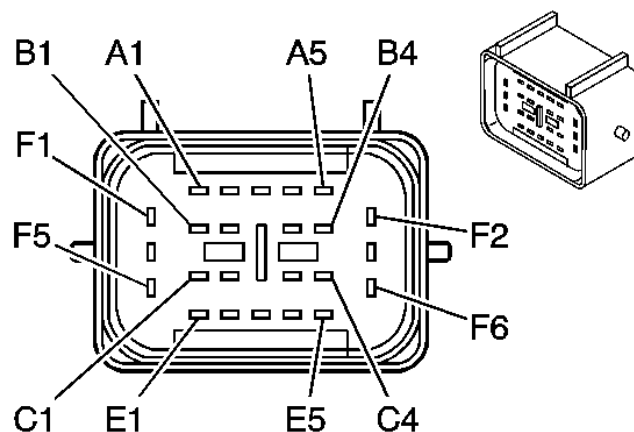
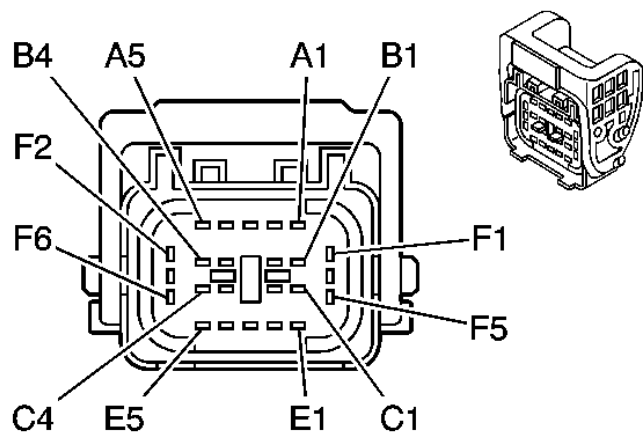
- OEM: Asia 808613
- Service: N/A
- Description: 20-Way F (BN)

JX302

Pin	Wire Color	Circuit No.	Function
1-5	PU/WH	294	Door Unlock Signal
	PU	294	Door Unlock Signal
6-10	GY	295	Door Lock Signal
11-13	OG	267	Heated Mirror Supply Voltage
	OG/GN	267	Heated Mirror Supply Voltage
14-17	L-BU	14	Left Turn Signal Lamps Supply Voltage
18-20	BU	15	Right Turn Signal Lamps Supply Voltage

INLINE HARNESS CONNECTOR END VIEWS

X108 - FLOOR HARNESS TO ENGINE HARNESS (1.4L, 1.6L)



Connector Part Information

- OEM: 96482026
- Service: N/A
- Description: 24-Way F (BK)

Connector Part Information

- OEM: 96482027
- Service: N/A
- Description: 24-Way M (BK)

X108 - Floor Harness to Engine Harness (1.4L, 1.6L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1-A3	-	-	Not Used	A1-A3	-	-	Not Used
A4	D-GN	135	Engine Coolant Temperature (ECT) Sensor Gage Signal	A4	D-GN	135	Engine Coolant Temperature (ECT) Sensor Gage Signal
A5	BN/WH	419	Malfunction Indicator Lamp (MIL) Control	A5	BN/WH	419	Malfunction Indicator Lamp (MIL) Control
B1	PU/BK	632	Low Reference	B1	GY	605	Low Reference
B2	D-GN/WH	817	Vehicle Speed Signal	B2	D-GN/WH	817	Vehicle Speed Signal (w/Manual Transmission)
B3	D-GN/D-BU	762	A/C Request Signal	B3	D-GN/WH	762	A/C Request Signal (w/A/C)
B4	WH/BK	30	Fuel Level Sensor Signal	B4	WH	30	Fuel Level Sensor Signal
	WH						
C1	D-GN	890	Fuel Tank Pressure Sensor Signal (North America)	C1	YE/D-GN	890	Fuel Tank Pressure Sensor Signal (North America)
C2	BN	2000	Serial Data	C2	BN	2000	Serial Data

2008 Chevrolet Optra LT

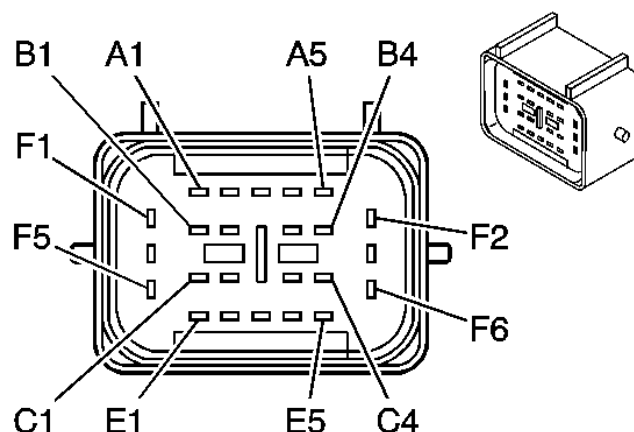
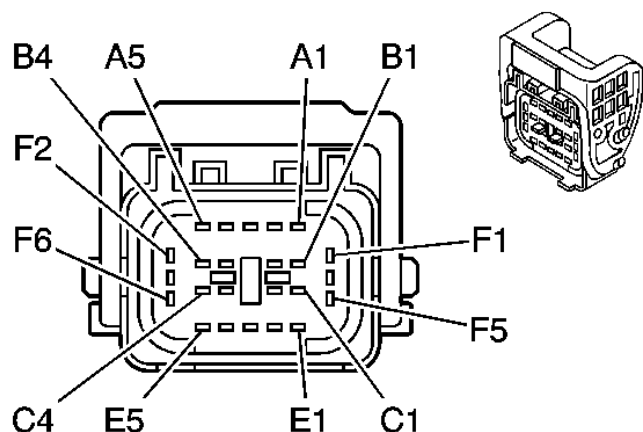
2008 ELECTRICAL Wiring Systems and Power Management - Optra

C3	BN	25	Charge Indicator Control	C3	BU	25	Charge Indicator Control
C4	WH	121	Engine Speed Signal	C4	WH	121	Engine Speed Signal
E1	PU	1807	CAN Serial Data High	E1	PU	1807	CAN Serial Data High (w/Automatic Transmission)
E2	YE/RD	710	CAN Serial Data Low	E2	YE	710	CAN Serial Data Low (w/Automatic Transmission)
E3	BN/BK	1671	Heated Oxygen Sensor (HO2S) 2 Heater Control (North America)	E3	BN/BK	1671	Heated Oxygen Sensor (HO2S) 2 Heater Control
E4	L-BU/PU	1986	EVAP Canister Vent Solenoid Control (North America)	R4	L-BU/BK	1986	EVAP Canister Vent Solenoid Control (North America)
E5	D-BU	1936	Fuel Level Sensor Signal	E5	BU	1936	Fuel Level Sensor Signal
F1	BN/BK	231	Engine Oil Pressure Switch Signal	F1	BN/BK	231	Engine Oil Pressure Switch Signal
F2	YE	5	Crank Voltage	F2	YE	5	Crank Voltage
F3	PK	839	Ignition 1 Voltage	F3	PK	839	Ignition 1 Voltage (w/Manual Transmission)
F4	L-GN	24	Backup Lamp Supply Signal	F4	L-GN	24	Backup Lamp Supply Signal (w/Manual Transmission)
F5	GY	473	High Speed Cooling Fan Relay Control	F5	D-BU	473	High Speed Cooling Fan Relay Control
F6	-	-	Not Used	F6	-	-	Not Used

X108 - FLOOR HARNESS TO ENGINE HARNESS (1.8L, 2.0L)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 96482026
- Service: N/A
- Description: 24-Way F (BK)

Connector Part Information

- OEM: 96482027
- Service: N/A
- Description: 24-Way M (BK)

X108 - Floor Harness to Engine Harness (1.8L, 2.0L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1	L-GN	413	Heated Oxygen Sensor (HO2S) 2 Low Reference (North America)	A1	L-GN	413	Heated Oxygen Sensor (HO2S) 2 Low Reference (North America)
A2	PU	1670	Heated Oxygen Sensor (HO2S) 2 Signal (North America)	A2	PU	1670	Heated Oxygen Sensor (HO2S) 2 Signal (North America)
A3	GY	605	5-Volt Reference (North America)	A3	GY	605	5-Volt Reference (North America)
A4	D-GN	135	Engine Coolant Temperature (ECT) Sensor Gage Signal	A4	D-GN	135	Engine Coolant Temperature (ECT) Sensor Gage Signal
A5	BN/WH	419	Malfunction Indicator Lamp (MIL) Control	A5	BN/WH	419	Malfunction Indicator Lamp (MIL) Control
B1	PU/BK	632	Low Reference	B1	PU/BK	632	Low Reference
B2	D-GN/WH	817	Vehicle Speed Signal (w/Manual Transmission)	B2	D-GN/WH	817	Vehicle Speed Signal (w/Manual Transmission)
B3	D-GN/D-BU	762	A/C Request Signal (Except North America)	B3	D-GN/WH	762	A/C Request Signal (Except North America)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

	D-GN	762	A/C Request Signal		D-GN	762	A/C Request Signal
B4	WH-BK	30	Fuel Level Sensor Signal	B4	WH	30	Fuel Level Sensor Signal
	WH		Fuel Level Sensor Signal (Except North America)				
C1	D-GN	890	Fuel Tank Pressure Sensor Signal (North America)	C1	YE/D-GN	890	Fuel Tank Pressure Sensor Signal (North America)
C2	BN	2000	Serial Data	C2	PU	2000	Serial Data
C3	BN	25	Charge Indicator Control	C3	BN	25	Charge Indicator Control
C4	WH	121	Engine Speed Signal	C4	GY	121	Engine Speed Signal
E1	PU	1807	CAN Serial Data High	E1	PU	1807	CAN Serial Data Low (w/Automatic Transmission)
E2	YE/BN	710	CAN Serial Data Low	E2	YE	710	CAN Serial Data Low (w/Automatic Transmission)
E3	BN/BK	1671	Heated Oxygen Sensor (HO2S) 2 Heater Control (North America)	E3	BN/BK	1671	Heated Oxygen Sensor (HO2S) 2 Heater Control
E4	L-BU/PU	1986	EVAP Canister Vent Solenoid Control (North America)	E4	L-BU/BK	1986	EVAP Canister Vent Solenoid Control (North America)
E5	D-BU	1936	Fuel Level Sensor Signal	E5	GY	1936	Fuel Level Sensor Signal
F1	BN/BK	231	Engine Oil Pressure Switch Signal	F1	BN/BK	231	Engine Oil Pressure Switch Signal
F2	YE	5	Crank Voltage	F2	YE	5	Crank Voltage
F3	PK	839	Ignition 1 Voltage	F3	PK	839	Ignition 1 Voltage (w/Manual Transmission)
F4	L-GN	24	Backup Lamp Supply Signal	F4	L-GN	24	Backup Lamp Supply Signal (w/Manual Transmission)
F5	GY	473	High Speed Cooling Fan Relay Control	F5	D-BU	473	High Speed Cooling Fan Relay Control
F6	-	-	Not Used	F6	-	-	Not Used

X108 - FLOOR HARNESS TO ENGINE HARNESS (DIESEL)

Connector Part Information

- OEM: 1743632
- Service: N/A
- Description: 36-Way F (BK)

Connector Part Information

- OEM: 1743636
- Service: N/A
- Description: 36-Way M (BK)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

X108 - Floor Harness to Engine Harness (Diesel)

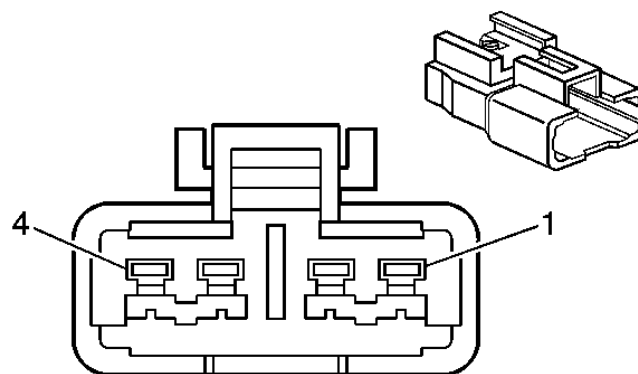
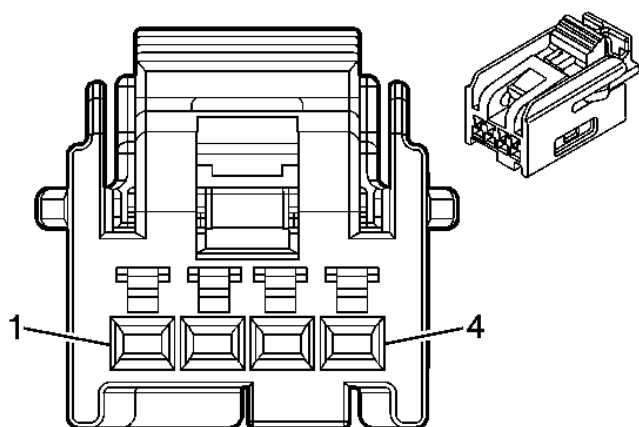
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	-	-	Not Used	1	-	-	Not Used
2	WH	-	APP Sensor 5-Volt Reference	2	BN/BK	-	APP Sensor 5-Volt Reference
3	BN	-	Brake Pedal Switch Signal	3	BN	-	Brake Pedal Switch Signal
4	-	-	Not Used	4	-	-	Not Used
5	L-BU	-	Glow Plug Indicator Control	5	L-BU	-	Glow Plug Indicator Control
6	L-BU	-	Change Oil Soon Indicator Control	6	L-BU/WH	-	Change Oil Soon Indicator Control
7	BN	-	PTC 3 Relay Switch Output	7	BN	-	PTC 3 Relay Switch Output
8	L-BU	-	APP Sensor 1 Low Reference	8	L-BU	-	APP Sensor 1 Low Reference
9	GN/WH	-	A/C Request	9	GN/WH	-	A/C Request
10	YE	-	APP Sensor 2 Signal	10	WH	-	APP Sensor 2 Signal
11	YE	-	Stop Lamp Switch Signal	11	L-BU	-	Stop Lamp Switch Signal
12	PU	-	Cruise Switch Ground	12	PU	-	Cruise Switch Ground
13	BU/WH	-	Engine Speed Signal	13	BU/WH	-	Engine Speed Signal
14	PK	-	Ignition 1 Voltage	14	PK	-	Ignition 1 Voltage
15	BU/WH	-	PTC 1 Relay Switch Output	15	BU/WH	-	PTC 1 Relay Switch Output
16	GN/WH	-	PTC Request	16	GN/WH	-	PTC Request
17	BN	-	Charge Indicator Control	17	BN	-	Charge Indicator Control
18	-	-	Not Used	18	-	-	Not Used
19	GN	-	APP Sensor 1 Signal	19	BU	-	APP Sensor 1 Signal
20	GN/WH	-	Cruise Switch Signal	20	GN/WH	-	Cruise Switch Signal
21	L-GN/BK	-	ECT Gauge Signal	21	L-GN/BK	-	ECT Gauge Signal
22	-	-	Not Used	22	-	-	Not used
23	PU	-	Fuel Warning Signal	23	PU	-	Fuel Warning Signal
24	BN/WH	-	Water In Fuel Indicator Control	24	BN/WH	-	Water In Fuel Indicator Control
25	L-GN	-	CAN Low	25	YE	-	CAN Low
26	BN/WH	-	APP Sensor 2 Low Reference	26	PU	-	APP Sensor 2 Low Reference
27	WH	-	Cruise Indicator Control	27	WH	-	Cruise Indicator Control
28	GY/BK	-	ECT Indicator	28	GY/BK	-	ECT Indicator

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			Control				Control
29	YE/BK	-	PTC 2 Relay Switch Output	29	YE/BK	-	PTC 2 Relay Switch Output
30	GN/WH	-	Vehicle Speed Signal	30	GN/WH	-	Vehicle Speed Signal
31	GN/WH	-	Cruise Control Clutch Switch Signal	31	BN/BK	-	Cruise Control Clutch Switch Signal
32	GY/BK	-	APP Sensor 1 5-Volt Reference	32	BN	-	APP Sensor 1 5-Volt Reference
33	L-BU	-	CAN High	33	PU	-	CAN High
34	BN/BK	-	Oil Pressure Indicator Control	34	BN/BK	-	Oil Pressure Indicator Control
35	YE/BK	-	Diesel Particulate Filter Indicator Control	35	YE/BK	-	Diesel Particulate Filter Indicator Control
36	-		Back Up Lamp Switch Signal	36	L-GN	-	Back Up Lamp Switch Signal

X109 - ENGINE HARNESS TO FRONT HARNESS



Connector Part Information

- OEM: MG651038
- Service: N/A
- Description: 4-Way F 090-II Series (WH)

Connector Part Information

- OEM: MG641041
- Service: N/A
- Description: 4-Way M 090-II Series (WH)

X109 - Engine Harness to Front Harness

Pin	Wire	Circuit	Function
	BN		

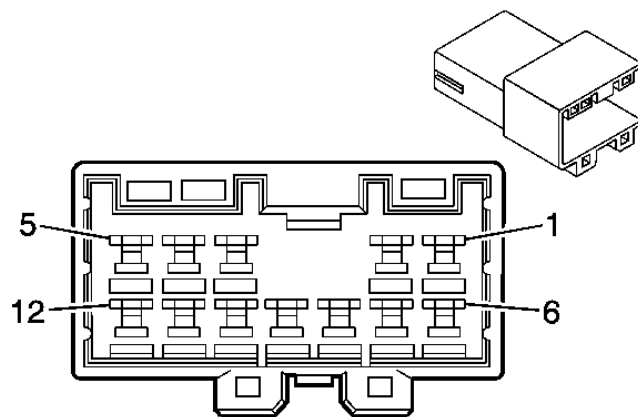
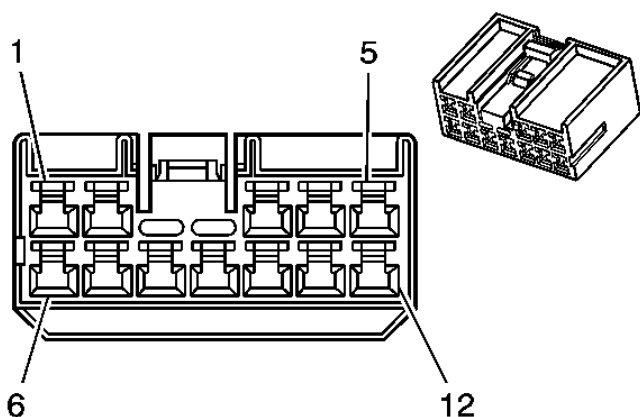
Pin	Wire	Circuit	Function
	BN		

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

1	L-GN (Sirius D4)	413	Heated Oxygen Sensor (HO2S) 2 Low Reference	1	L-GN (Sirius D4)	413	Heated Oxygen Sensor (HO2S) 2 Low Reference
2	PU	1670	Heated Oxygen Sensor (HO2S) 2 Signal	2	PU	1670	Heated Oxygen Sensor (HO2S) 2 Signal
3	BN/WH BN/BK (Sirius D4)	1671	Heated Oxygen Sensor (HO2S) 2 Heater Control	3	BN/BK	1671	Heated Oxygen Sensor (HO2S) 2 Heater Control
4	PK/BK	1846	Ignition 1 Voltage	4	PK/BK	1846	Ignition 1 Voltage

X110 - ABS HARNESS TO FLOOR HARNESS



Connector Part Information

- OEM: 966196-5
- Service: N/A
- Description: 12-Way F (BU)

Connector Part Information

- OEM: 936207-5
- Service: N/A
- Description: 12-Way M 090-II 12P Cap Ass'y (BU)

X110 - ABS Harness to Floor Harness

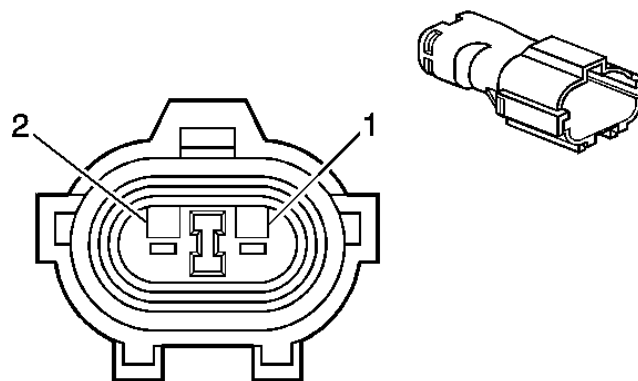
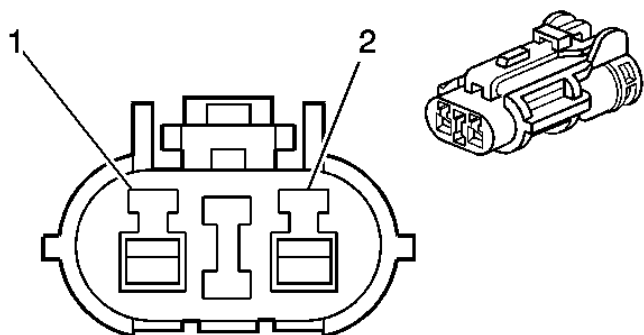
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	L-BU	20	Stop Lamp Switch Signal	1	L-BU	20	Stop Lamp Switch Signal
2	D-BU	774	Serial Data	2	D-BU/WH	774	Serial Data
3	BN	882	Right Rear Wheel Speed Sensor Signal	3	BN	882	Right Rear Wheel Speed Sensor Signal
4	BK	884	Left Rear Wheel Speed Sensor Signal	4	BK	884	Left Rear Wheel Speed Sensor Signal

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

5	RD	885	Left Rear Wheel Speed Sensor Signal	5	D-BU	885	Left Rear Wheel Speed Sensor Signal
6	BN	739	Ignition 1 Voltage	6	BN	739	Ignition 1 Voltage
7	-	-	Not Used	7	-	-	Not Used
8	L-GN/BK	867	ABS Indicator Failure Control	8	L-GN	867	ABS Indicator Failure Control
9	L-GN	876	Rough Road Signal (Except North America)	9	WH	876	Rough Road Signal (Except North America)
	WH/YE	866	Rough Road Signal		L-GN	866	Rough Road Signal
10	WH	883	Right Rear Wheel Speed Sensor Return	10	WH	883	Right Rear Wheel Speed Sensor Return
11	D-GN	905	Serial Data	11	D-GN	905	Serial Data
12	PU/WH	33	Brake Warning Indicator Control	12	PU/WH	33	Brake Warning Indicator Control

X111 - ABS HARNESS TO FRONT HARNESS



Connector Part Information

- OEM: MG610320
- Service: N/A
- Description: 2-Way F SWP Series (BK)

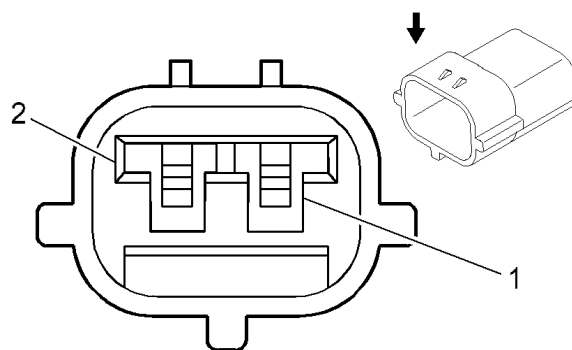
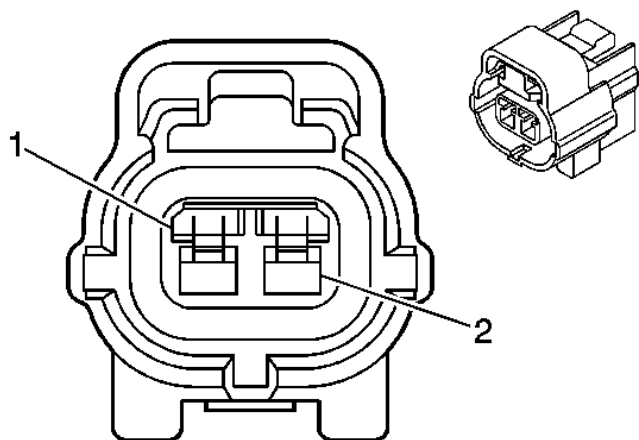
Connector Part Information

- OEM: MG640322-5
- Service: N/A
- Description: 2-Way M SWP Connector (BK)

X111 - ABS Harness to Front Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	WH	833	Front Right Wheel Speed Sensor Return	1	YE	833	Front Right Wheel Speed Sensor Return
2	GY	872	Front Right Wheel Speed Sensor Signal	2	PU	872	Front Right Wheel Speed Sensor Signal

X112 - FRONT HARNESS TO HORN JUMPER HARNESS



Connector Part Information

- OEM: MG641156
- Service: N/A
- Description: 2-Way F Econoseal J Mark II + Connector Plug Housing (BK)

Connector Part Information

- OEM: 6181-0080
- Service: N/A
- Description: 2-Way M Econoseal J-Mark II + Connector Cap Housing (BK)

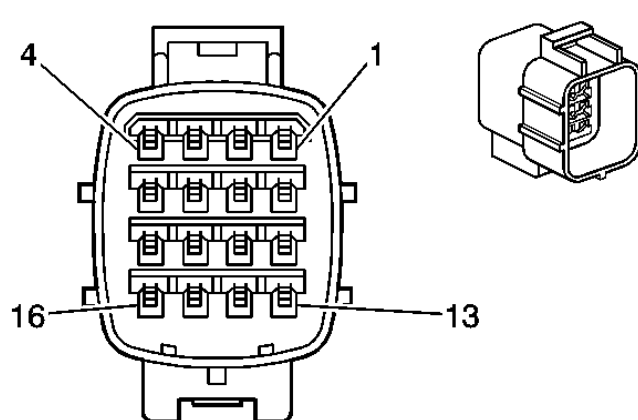
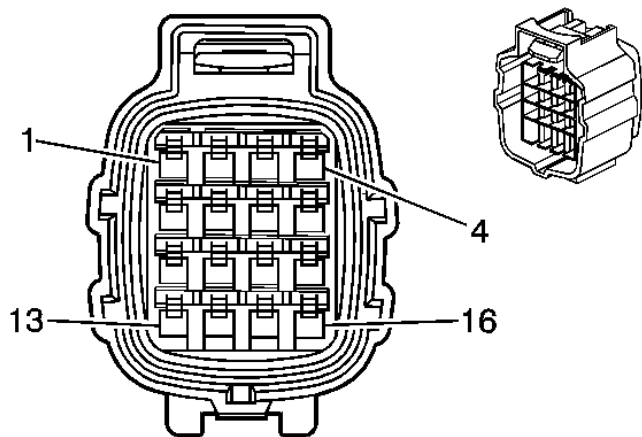
X112 - Front Harness to Horn Jumper Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	50	Ground	1	BK	150	Ground
2	D-GN	29	Horn Control	2	BK/WH	29	Horn Control

X113 - FLOOR HARNESS TO FRONT HARNESS

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 368047-1
- Service: N/A
- Description: 16-Way F Econoseal J-Mark II Series (BK)

Connector Part Information

- OEM: 368050-1
- Service: N/A
- Description: 16-Way M Econoseal J-MARK II Series (BK)

X113 - Floor Harness to Front Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN	141	Ignition 1 Voltage (Except North America)	1	PK	741	Ignition 1 Voltage (Except North America)
	BN/BK	2105	Inflatable Restraint Front End Sensor - Left Voltage (North America)		BN/BK	2105	Inflatable Restraint Front End Discriminating Sensor - Left Voltage (North America)
2	YE	261	Arm Alarm Signal	2	YE	261	Arm Alarm Signal
3	PK/D-BU	109	Hood Ajar Switch Signal	3	PK/BK	109	Hood Ajar Switch Signal
4	YE/D-BU	61	Low Reference (w/Auto A/C)	4	YE	61	Low Reference (w/Auto A/C)
5	BN	247	Medium Blower Motor Control (Except North America)	5	BN	247	Medium Blower Motor Control (Except North America)
	BN/WH						
	L-GN/RD	2106	Front End Sensor - Left Signal (North America)		L-GN/RD	2106	Inflatable Restraint Front End Discriminating Sensor - Left (North America)
6	D-BU	15	Right Turn Signal Lamp Supply Voltage	6	L-BU	15	Right Turn Signal Lamp Supply Voltage

2008 Chevrolet Optra LT

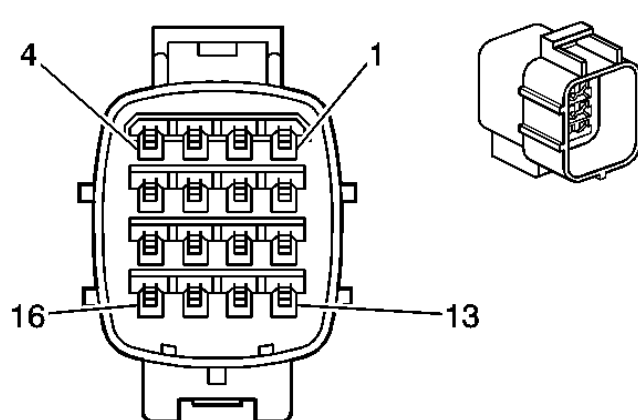
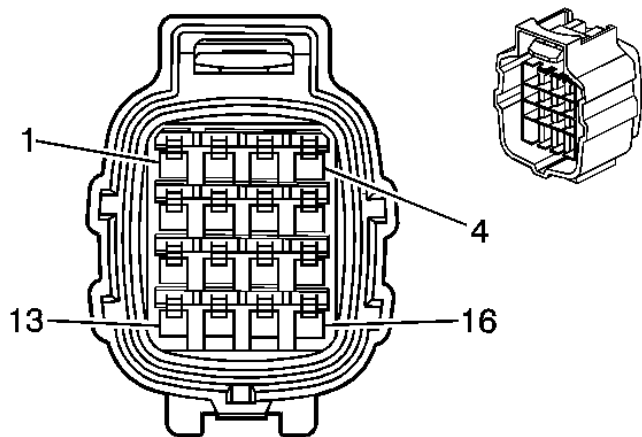
2008 ELECTRICAL Wiring Systems and Power Management - Optra

7	L-BU	14	Left Turn Signal Lamp Supply Voltage (Except North America)	7	L-BU	14	Left Turn Signal Lamp Supply Voltage
	L-BU/BK		Left Turn Signal Lamp Supply Voltage				
8	L-GN/BK	735	Ambient Air Temperature Sensor (w/Auto A/C)	8	L-GN/BK	735	Ambient Air Temperature Sensor (w/Auto A/C)
9	PU	1703	Variable Effort Steering Actuator Supply Voltage (w/Variable Effort Steering)	9	L-GN	1703	Variable Effort Steering Actuator Supply Voltage (w/Variable Effort Steering)
10	GY	473	High Speed Cooling Fan Relay Control	10	GY	473	High Speed Cooling Fan Relay Control
11	D-GN	189	Headlamp Leveling Motor Supply Voltage (w/Headlamp Leveling)	11	D-GN	189	Headlamp Leveling Motor Supply Voltage (w/Headlamp Leveling)
12	RD	228	Windshield Washer Pump Control (Notchback)	12	RD	228	Windshield Washer Pump Control (Notchback)
13	L-BU	1738	Variable Effort Steering Actuator Control (w/Variable Effort Steering)	13	BN/BK	1738	Variable Effort Steering Actuator Control (w/Variable Effort Steering)
14	D-GN/WH	2104	Inflatable Restraint Front End Sensor - Right Signal (North America)	14	D-GN/WH	2104	Inflatable Restraint Front End Sensor - Right Signal (North America)
15	PU	2103	Inflatable Restraint Front End Sensor - Right Voltage (North America)	15	PU	2103	Inflatable Restraint Front End Discriminating Sensor - Right (North America)
16	PK/BK	1846	Ignition 1 Voltage	16	PK/BK	1846	Ignition 1 Voltage

X114 - BODY HARNESS TO ENGINE HARNESS MT34

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 368047-1
- Service: N/A
- Description: 16-Way F Econoseal J-Mark II Series (BK)

Connector Part Information

- OEM: 368050-1
- Service: N/A
- Description: 16-Way M Econoseal J-MARK II Series (BK)

X114 - Body Harness to Engine Harness MT34

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK/WH	632	Low Reference	1	BK/WH	632	Low Reference
2-10	-	-	Not Used	2-10	-	-	Not Used
11	D-BU/WH	397	Cruise Control Switch Signal	11	D-BU/WH	397	Cruise Control Switch Signal
12	-	-	Not Used	12	-	-	Not Used
13	WH	183	Cruise Indicator Control	13	D-GN	183	Cruise Indicator Control
14	BN	17	Stop Lamp Switch Output	14	BN	17	Stop Lamp Switch Output
15	BN/WH	379	Clutch Switch Signal	15	BN/WH	379	Clutch Switch Signal
16	L-BU	20	Stop Lamp Switch Output	16	YE	20	Stop Lamp Switch Output

X115 - ENGINE HARNESS TO GLOW PLUG (DIESEL)

Connector Part Information

- OEM: MG641744-5

Connector Part Information

- OEM: MG651747-5

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

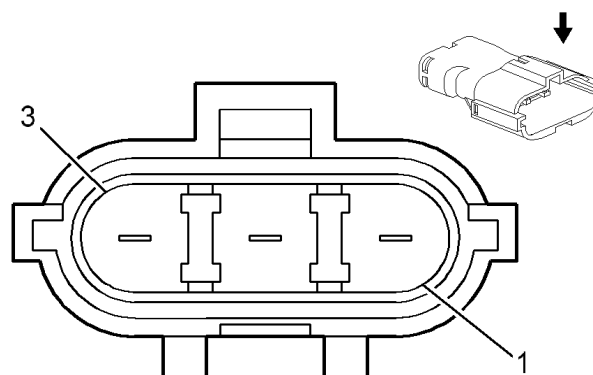
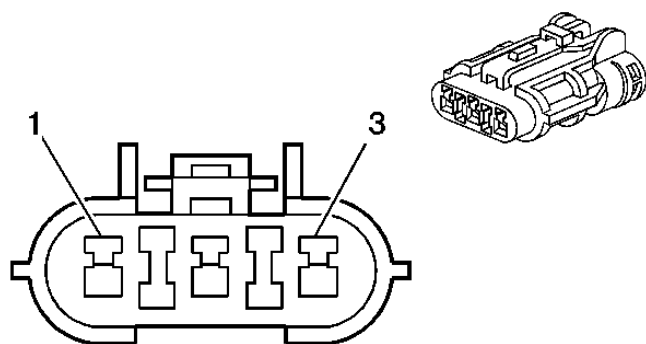
- Service: N/A
- Description: 4-Way F187 II WP Series (BK)

- Service: N/A
- Description: 4-Way M187 II WP Series (BK)

X115 - Engine Harness to Glow Plug (Diesel)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	-	Glow Plug 1 Control	1	PU	-	Glow Plug 1 Control
2	PU	-	Glow Plug 2 Control	2	PU	-	Glow Plug 2 Control
3	PU	-	Glow Plug 3 Control	3	PU	-	Glow Plug 3 Control
4	PU	-	Glow Plug 4 Control	4	PU	-	Glow Plug 4 Control

X116 - FRONT HARNESS TO RIGHT PARK/TURN SIGNAL LAMP JUMPER (NORTH AMERICA)



Connector Part Information

- OEM: MG610327
- Service: N/A
- Description: 3-Way F SWP Series (BK)

Connector Part Information

- OEM: MG640329
- Service: N/A
- Description: 3-Way M SWP Series (BK)

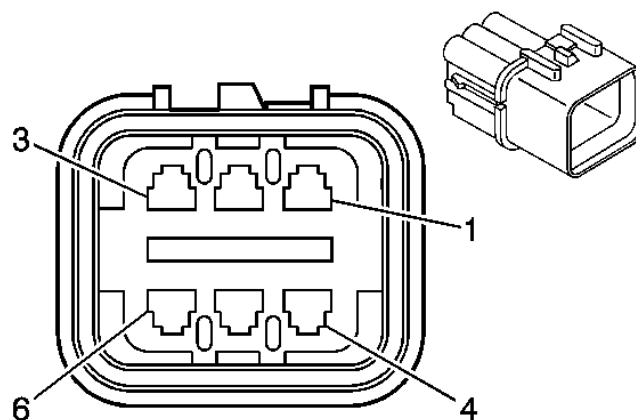
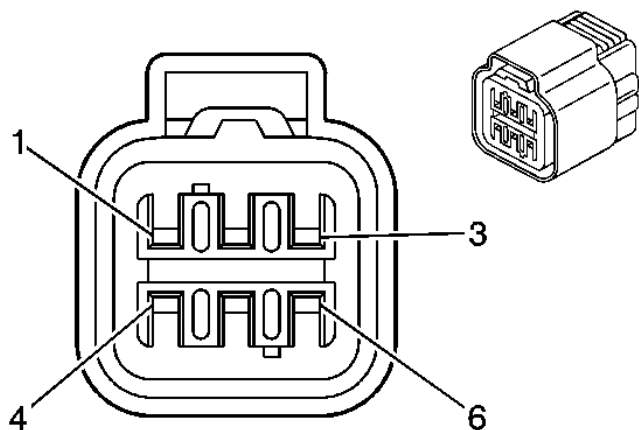
X116 - Front Harness to Right Park/Turn Signal Lamp Jumper (North America)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN/WH	309	Right Park Lamp Supply Voltage	1	PU	309	Right Park Lamp Supply Voltage
2	BK	150	Ground	2	BK	150	Ground
3	L-BU	15	Right Turn Signal Lamps Supply Voltage	3	PU	15	Right Turn Signal Lamps Supply Voltage

X120 - FRONT HARNESS TO RIGHT HEADLAMP JUMPER HARNESS (W/LEVELING EXCEPT NORTH AMERICA)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: PB625-06027
- Service: N/A
- Description: 6-Way F NMWP 06F-B Assembly (BK)

Connector Part Information

- OEM: PB621-06020
- Service: N/A
- Description: 6-Way M NMWP 06M-B (BK)

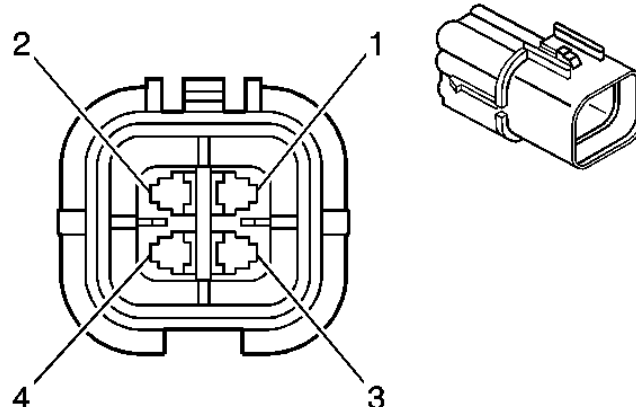
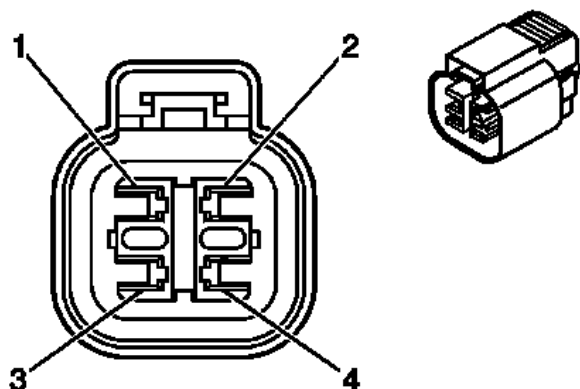
X120 - Front Harness to Right Headlamp Jumper Harness (w/Leveling Except North America)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	150	Ground	1	BK	150	Ground
2	BN/WH	309	Right Park Lamp Supply Voltage	2	D-BU	709	Right Park Lamp Supply Voltage
3	D-GN	189	Headlamp Leveling Motor Supply Voltage	3	D-GN	189	Headlamp Leveling Motor Supply Voltage
4	L-GN/BK	311	Right Headlamp High Beam Supply Voltage	4	RD	711	Right Headlamp High Beam Supply Voltage
5	PU/WH	312	Right Headlamp Low Beam Supply Voltage	5	L-GN	712	Right Headlamp Low Beam Supply Voltage
6	BK	150	Ground	6	BK/WH	50	Ground

X120 - FRONT HARNESS TO RIGHT HEADLAMP JUMPER HARNESS (W/O LEVELING, NORTH AMERICA)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: PB625-04127
- Service: N/A
- Description: 4-Way F KNMWP 04F-GY Assembly (BK)

Connector Part Information

- OEM: PB621-04120
- Service: N/A
- Description: 4-Way M Connector NMWP 04M-B (GY)

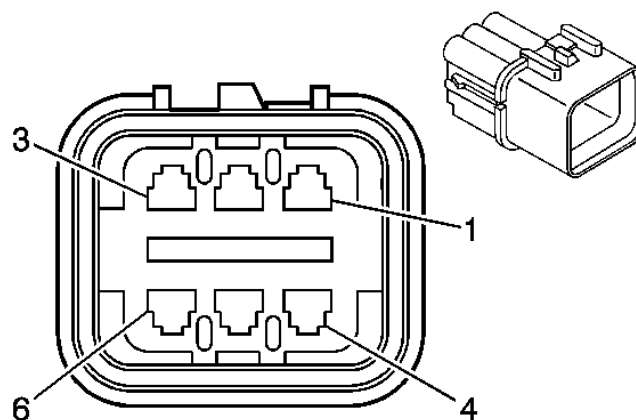
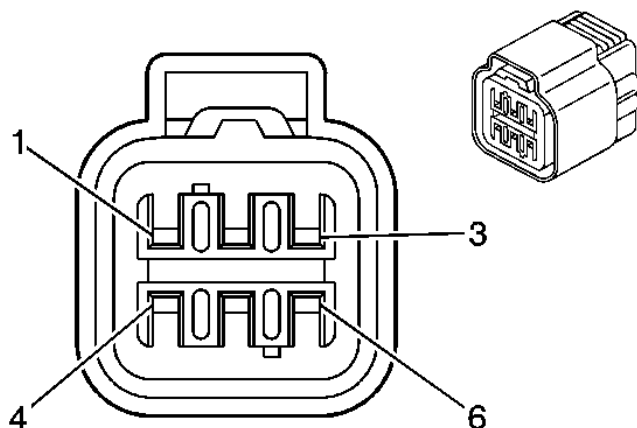
X120 - Front Harness to Right Headlamp Jumper Harness (w/o Leveling, North America)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	312	Right Headlamp Low Beam Supply Voltage	1	L-GN	312	Right Headlamp Low Beam Supply Voltage
2	L-GN/BK	311	Right Headlamp High Beam Supply Voltage	2	RD	311	Right Headlamp High Beam Supply Voltage
3	BK	150	Ground	3	BK/WH	150	Ground
4	-	-	Not Used	4	-	-	Not Used

X121 - FRONT HARNESS TO LEFT HEADLAMP JUMPER HARNESS (W/LEVELING)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: PB625-06027
- Service: N/A
- Description: 6-Way F NMWP 06F-B Assembly (BK)

Connector Part Information

- OEM: PB621-06020
- Service: N/A
- Description: 6-Way M NMWP 06M-B (BK)

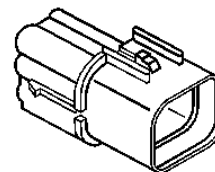
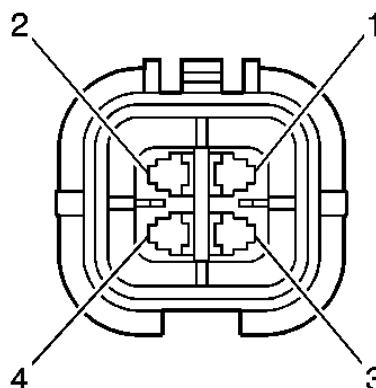
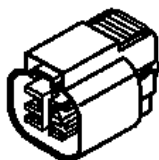
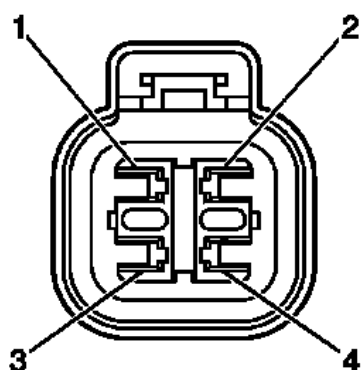
X121 - Front Harness to Left Headlamp Jumper Harness (w/Leveling)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	50	Ground	1	BK	50	Ground
2	PU	709	Left Park Lamp Supply Voltage	2	D-BU	709	Left Park Lamp Supply Voltage
3	D-GN	189	Headlamp Leveling Motor Supply Voltage	3	D-GN	189	Headlamp Leveling Motor Supply Voltage
4	D-GN/WH	711	Left Headlamp High Beam Supply Voltage	4	RD	711	Left Headlamp High Beam Supply Voltage
5	YE	712	Left Headlamp Low Beam Supply Voltage	5	L-GN	712	Left Headlamp Low Beam Supply Voltage
6	BK	50	Ground	6	BK/WH	50	Ground

X121 - FRONT HARNESS TO LEFT HEADLAMP JUMPER HARNESS (W/O LEVELING)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: PB625-04127
- Service: N/A
- Description: 4-Way F KNMWP 04F-GY Assembly (BK)

Connector Part Information

- OEM: PB621-04120
- Service: N/A
- Description: 4-Way M Connector NMWP04M-B (GY)

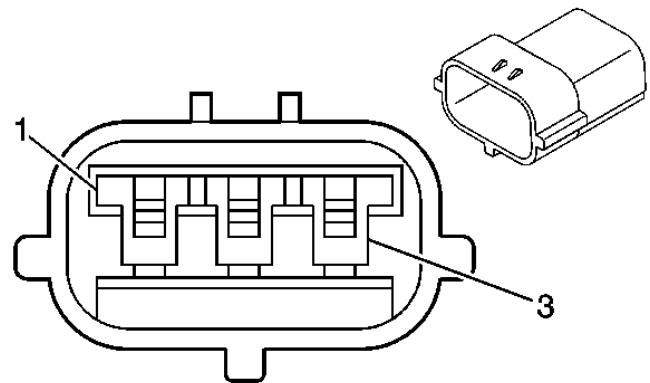
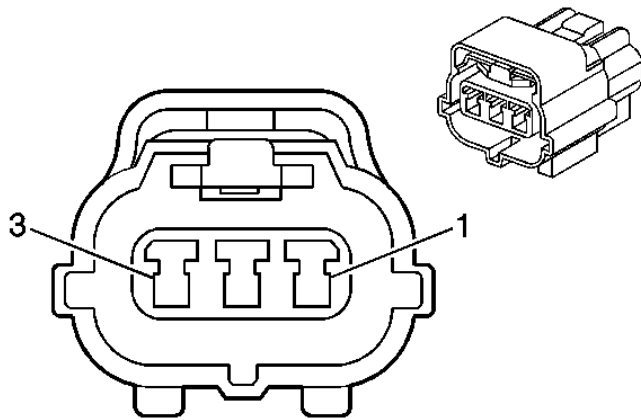
X121 - Front Harness to Left Headlamp Jumper Harness (w/o Leveling)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	YE	712	Left Headlamp Low Beam Supply Voltage	1	L-GN	712	Left Headlamp Low Beam Supply Voltage
2	D-GN/WH	711	Left Headlamp High Beam Supply Voltage	2	RD	711	Left Headlamp High Beam Supply Voltage
3	BK	50	Ground	3	BK/WH	50	Ground
4	-	-	Not Used	4	-	-	Not Used

X135 - ENGINE HARNESS TO MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR JUMPER

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 174357
- Service: N/A
- Description: 3-Way F Connector (BK)

Connector Part Information

- OEM: 174359
- Service: N/A
- Description: 3-Way M 070 Series Econoseal Mark-2 Cap 3P (BK)

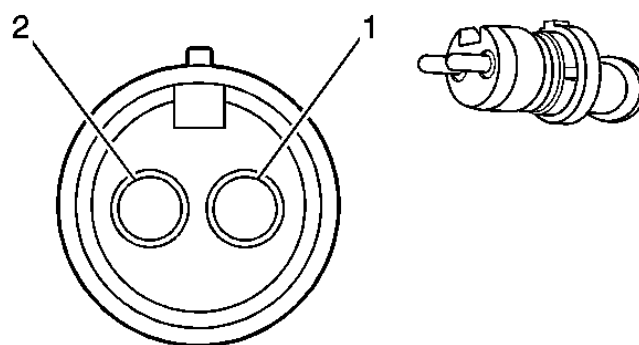
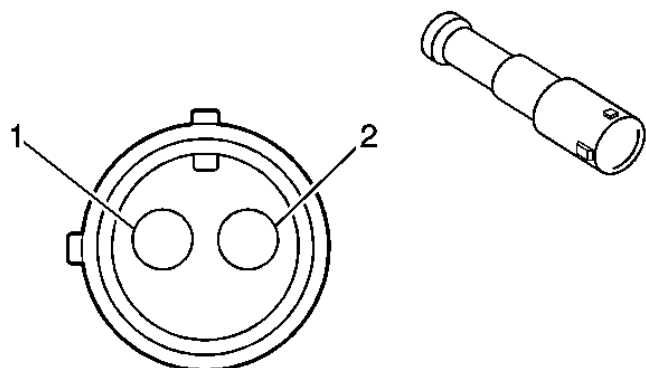
X135 - Engine Harness to Manifold Absolute Pressure (MAP) Sensor Jumper

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	OG/BK	469	Low Reference	1	OG/BK	469	Low Reference
2	D-BU/WH	432	Manifold Absolute Pressure (MAP) Sensor Signal	2	L-GN	432	Manifold Absolute Pressure (MAP) Sensor Signal
3	L-BU/BK	1688	5-Volt Reference	3	D-GN/BK	1688	5-Volt Reference

X191 - ABS HARNESS TO LEFT FRONT WHEEL SPEED SENSOR JUMPER

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: Bosch 2264-420424 (F)
- Service: N/A
- Description: 2-Way F Connector (BK)

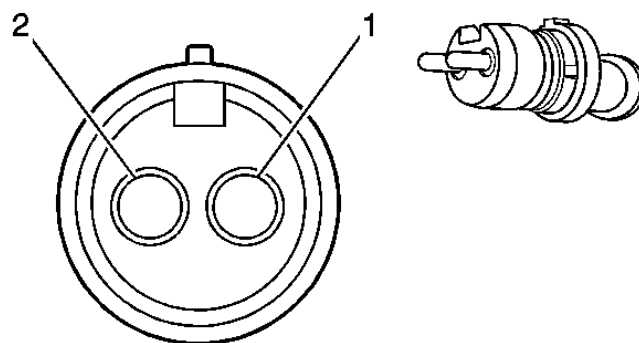
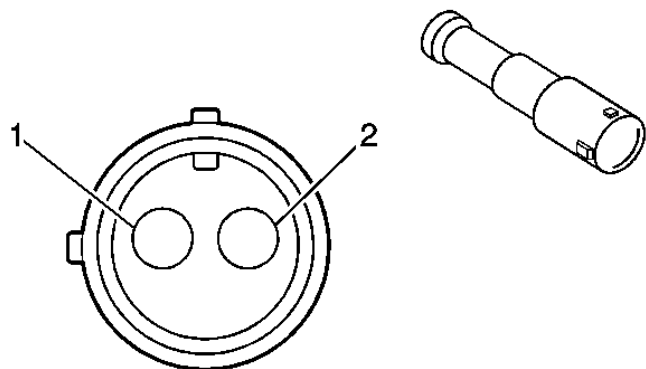
Connector Part Information

- OEM: Bosch 2264-420424 (M)
- Service: N/A
- Description: 2-Way M Connector (BK)

X191 - ABS Harness to Left Front Wheel Speed Sensor Jumper

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN	873	Left Front Wheel Speed Sensor Signal	1	WH	873	Left Front Wheel Speed Sensor Signal
2	L-BU	830	Left Front Wheel Speed Sensor Low Reference	2	BK	830	Left Front Wheel Speed Sensor Return

X192 - FRONT HARNESS TO RIGHT FRONT WHEEL SPEED SENSOR JUMPER



2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

Connector Part Information

- OEM: Bosch 2264-420424 (F)
- Service: N/A
- Description: 2-Way F Connector (BK)

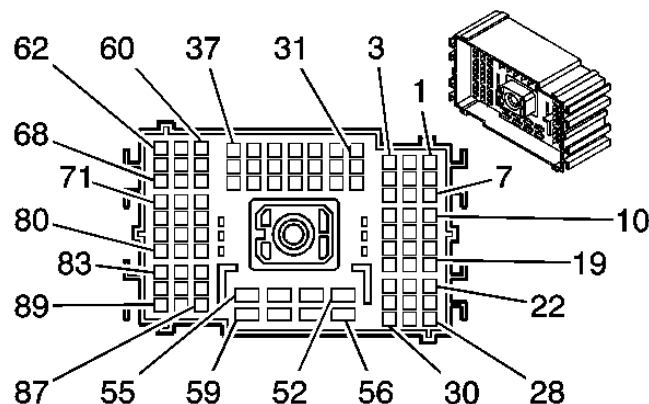
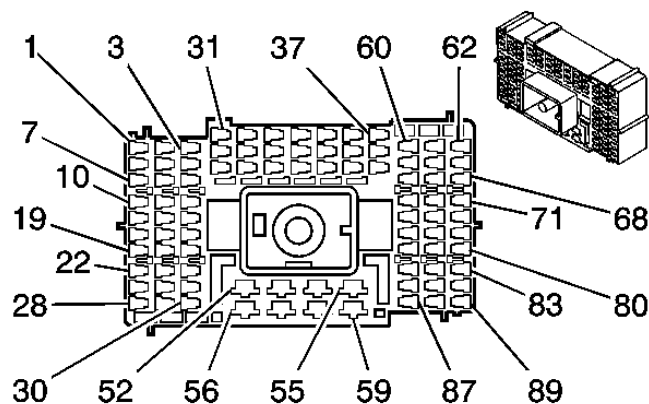
Connector Part Information

- OEM: Bosch 2264-420424 (M)
- Service: N/A
- Description: 2-Way M Connector (BK)

X192 - Front Harness to Right Front Wheel Speed Sensor Jumper

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	872	Right Front Wheel Speed Sensor Signal	1	WH	872	Right Front Wheel Speed Sensor Signal
2	YE	833	Right Front Wheel Speed Sensor Low Reference	2	BK	833	Right Front Wheel Speed Sensor Signal

X202 - I/P HARNESS TO FLOOR HARNESS



Connector Part Information

- OEM: 96457410
- Service: N/A
- Description: 89-Way F Connector (WH)

Connector Part Information

- OEM: 96457409
- Service: N/A
- Description: 89-Way M Connector (WH)

X202 - I/P Harness to Floor Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN	247	High Speed Blower Relay Control (w/Auto A/C)	1	BN BN/WH (Except North America)	247	High Speed Blower Relay Control (w/Auto A/C)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

2	WH	193	Rear Defog Relay Control	2	WH	193	Rear Defog Relay Control
					WH/BK (Except North America)		
3	D-GN	189	Headlamp Leveling Motor Supply Voltage (w/Headlamp Leveling)	3	D-GN	189	Headlamp Leveling Motor Supply Voltage
4	GY	161	Antenna Module Signal	4	GY	161	Antenna Module Signal
5	BN	141	Ignition 3 Voltage	5	BN	141	Ignition 3 Voltage
6	BN	641	Ignition 3 Voltage	6	BN (Except North America)	641	Ignition 3 Voltage
					BN/WH		
7	BK/WH	238	Seat Belt Switch Left	7	BK/WH	238	Seat Belt Switch Left
8	YE	112	Windshield Wiper Switch Signal 1	8	YE	112	Windshield Wiper Switch Signal 1
9	D-GN	135	Engine Coolant Temperature (ECT) Sensor Gage Signal	9	D-GN	135	Engine Coolant Temperature (ECT) Sensor Gage Signal
10	PU/WH	33	Brake Warning Indicator Control	10	PU/WH	33	Brake Warning Indicator Control
	RD	122	Rear Fog Lamp Supply Voltage (Except North America)		RD	122	Rear Fog Lamp Supply Voltage (Except North America)
11	L-BU	20	Stop Lamp Switch Signal	11	L-BU	20	Stop Lamp Switch Signal
12	L-GN	483	Serial Data (w/Alarm)	12	L-GN	483	Serial Data (w/Alarm)
	PK/BK	1303	Door Switch Signal (Except North America)		PK/BK	1303	Door Switch Signal (Except North America)
13	BN	25	Charge Indicator Signal	13	BN	25	Charge Indicator Signal
14	YE	317	Front Fog Lamp Relay Coil Supply Voltage	14	YE/D-GN	317	Front Fog Lamp Relay Coil Supply Voltage
15	PU	126	Left Front Door Open Switch Signal	15	PU/WH	126	Left Front Door Open Switch Signal
16	WH	905	Serial Data (w/ABS)	16	D-GN	905	Serial Data (w/ABS)
17	L-BU	14	Left Turn Signal Lamp Supply Voltage	17	L-BU/BK (Except North America)	14	Left Turn Signal Lamp Supply Voltage
					L-BU		
18	OG	340	Battery Positive Voltage (w/Alarm)	18	OG	340	Battery Positive Voltage (w/Alarm)
19	D-BU/WH	774	Serial Data (w/ABS)	19	D-BU/WH	774	Serial Data (w/ABS)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

20	D-BU	15	Right Turn Signal Lamps Supply Voltage	20	D-BU	15	Right Turn Signal Lamps Supply Voltage
21	PU	2000	Serial Data	20	BN	2000	Serial Data
22	L-GN	867	ABS Indicator Failure Control (w/ABS)	22	L-GN/BK	867	ABS Indicator Failure Control 1 (w/ABS)
23	L-BU	97	Windshield Wiper Switch Mist/OFF/Low Signal	23	BN	96	Windshield Wiper Switch Delay Signal
24	L-BU	263	Tamper Switch Signal (Optional)	24	L-BU	263	Tamper Switch Signal (Optional)
25	D-GN	1659	Microphone (-) (Optional)	25	WH	1659	Microphone (-) (Optional)
26	YE	356	Door Lock (Gasoline, Optional)	26	YE	Y356	Door Lock (Gasoline, Optional)
	D-BU	1936	Low Fuel Signal (Diesel)		D-BU	1936	Low Fuel Signal (Diesel)
27	PK/BK	109	Alarm Signal (Gasoline, Optional)	27	PK/BK	109	Alarm Signal (Gasoline, Optional)
	PU/BK	632	Low Reference (Diesel)		PU/BK	632	Low Reference (Diesel)
28	WH	1658	Microphone (+) (Optional)	28	D-BU	1658	Microphone (+) (Optional)
29	L-GN/WH	355	Door Unlock (Optional)	29	L-GN/WH	355	Door Unlock (Optional)
30	WH	156	Courtesy Lamp Control	30	PU	156	Courtesy Lamp Control
31	WH	1080	Park Lamp Relay Control (w/Lamp Driver Control Module)	31	WH	1080	Park Lamp Relay Control
32	PU/WH	231	Oil Pressure Switch Signal	32	BN/BK	231	Oil Pressure Switch Signal
	PU/BK (Except North America)				PU/WH (Except North America)	231	Oil Pressure Daytime Running Lamp (DRL) Input (Scandinavian)
33	D-GN/WH	762	A/C Request Signal (w/A/C)	33	D-GN/D-BU	762	A/C Request Signal (w/A/C)
34	L-GN	11	Headlamp High Beam Supply Voltage	11	L-GN	11	Headlamp High Beam Supply Voltage
35	BK	28	Horn Relay Control	35	BK	28	Horn Relay Control
36	D-BU	774	Trunk Open Signal	36	D-BU	744	Trunk Open Signal
	L-BU	195	Door Lock (Except North America)		L-BU	195	Door Lock (Except North America)
	PK/BK	1303	Door Switch Signal (Except North America)		PK/BK	1303	Door Switch Signal (Except North America)
37	-	-	Not Used (Gasoline)	37	-	-	Not Used (Gasoline)
			Change Oil Soon				Change Oil Soon

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

	L-BU	-	Indicator Control (Diesel)		L-BU	-	Indicator Control (Diesel)
38	YE	749	Security Indicator Control (w/Immobilizer)	38	YE/D-GN	749	Security Indicator Control (w/Immobilizer)
39	BN/WH	309	Right Park Lamp Supply Voltage	39	BN/BK	309	Right Park Lamp Supply Voltage
40	OG	540	Battery Positive Voltage	40	OG/BK	540	Battery Positive Voltage
41	PU/WH	33	Brake Warning Indicator Control	41	PU/WH	33	Brake Warning Indicator Control
42	PK	839	Ignition 1 Voltage	42	PK	839	Ignition 1 Voltage
43	RD	228	Windshield Washer Pump Control	43	RD	228	Windshield Washer Pump Control
44	PU	12	Headlamp Low Beam Supply Voltage	44	PU	12	Headlamp Low Beam Supply Voltage
45	OG	640	Battery Positive Voltage	45	OG/BK	640	Battery Positive Voltage
	OG	640	Battery Positive Voltage		OG/BK	640	Battery Positive Voltage
46	BN	641	Ignition 3 Voltage	46	BN	641	Ignition 3 Voltage
					BN/BK (Except North America)		
47	BN	441	Ignition 3 Voltage	47	RD/D-BU	441	Ignition 3 Voltage
48	PK	639	Ignition 1 Voltage	48	PK	639	Ignition 1 Voltage
49	L-GN	80	Key In Ignition Switch Signal (w/Alarm)	49	L-GN/RD	80	Key In Ignition Switch Signal (w/Alarm)
	BN	253	Trunk Open (Except North America)		BN	253	Trunk Open (Except North America)
50	YE	243	Accessory Voltage	50	YE	243	Accessory Voltage
51	BN/WH	419	Malfunction Indicator Lamp (MIL) Control	51	BN/WH	419	Malfunction Indicator Lamp (MIL) Control
52	RD	1642	Battery Positive Voltage	52	RD/D-GN	1642	Battery Positive Voltage
53	YE	5	Crank Voltage (Except North America)	53	YE	5	Crank Voltage (Except North America)
	PU	5	Crank Voltage			5	Crank Voltage
54	OG	140	Battery Positive Voltage	54	OG	140	Battery Positive Voltage
55	RD	742	Battery Positive Voltage	55	RD	742	Battery Positive Voltage
56	RD	142	Battery Positive Voltage	56	RD/D-BU	142	Battery Positive Voltage
57	L-BU	1346	Headlamp Supply Voltage	57	L-BU	1346	Headlamp Supply Voltage
58	PK	539	Ignition 1 Voltage	58	PK	539	Ignition 1 Voltage
59	RD	642	Battery Positive Voltage	59	RD/WH	642	Battery Positive Voltage
60	L-GN/BK	735	Ambient Air Temperature Sensor Signal (w/Auto A/C)	60	L-GN/BK	735	Ambient Air Temperature Sensor Signal

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

61	YE	61	Low Reference (w/Auto A/C)	61	YE/D-BU	61	Low Reference
62	PK	739	Ignition 1 Voltage (w/ABS)	62	BN	739	Ignition 1 Voltage (w/ABS)
63	D-GN/WH	817	Vehicle Speed Signal	63	D-GN/WH	817	Vehicle Speed Signal
64	D-GN	392	Rear Window Washer Pump Control	64	D-GN	392	Rear Window Washer Pump Control (Hatchback Only)
65	D-GN	95	Windshield Washer Switch Signal	65	D-GN	95	Windshield Washer Switch Signal
66	GY	121	Engine Speed Signal	66	WH	121	Engine Speed Signal
67	PU	92	Windshield Wiper Motor High Speed	67	PU	92	Windshield Wiper Motor High Speed
68	PU	201	Left Front Speaker Output (+)	68	PU	201	Left Front Speaker Output (+)
69	YE	710	CAN Serial Data Low (w/Automatic Transmission)	69	YE/BN	710	CAN Serial Data Low 70
70	WH	393	Rear Window Wiper Motor Control	70	WH	393	Rear Window Wiper Motor Control (Hatchback Only)
71	L-BU	115	Right Rear Speaker Output (-)	71	L-BU	115	Right Rear Speaker Output (-)
72	PU	1807	CAN Serial Data High (w/Automatic Transmission)	72	PU	1807	CAN Serial Data High
73	D-GN/WH	900	Key Cylinder Lamp Control (Notchback Only)	73	D-GN/WH	900	Key Cylinder Lamp Control
74	L-GN	200	Right Front Speaker Output (+)	74	L-GN	200	Right Front Speaker Output (+)
75	L-GN	24	Backup Lamp Supply Voltage (w/Automatic Transmission)	75	L-GN	24	Backup Lamp Supply Voltage
76	RD	709	Left Park Lamp Supply Voltage (w/Alarm)	76	PU/WH	709	Left Park Lamp Supply Voltage
					PU	709	Left Park Lamp Supply Voltage (Notchback RHD)
77	GY	118	Left Front Speaker Output (-)	77	GY/WH	118	Left Front Speaker Output (-)
78	GY/BK	1798	Headlamp Relay Control	78	GY/BK	1798	Headlamp Relay Control
79	-	-	Not Used	79	-	-	Not Used
	BN/WH	1201	Left Front Speaker Output (-) (Except		BN/WH	1201	Left Front Speaker Output (-) (Except

2008 Chevrolet Optra LT

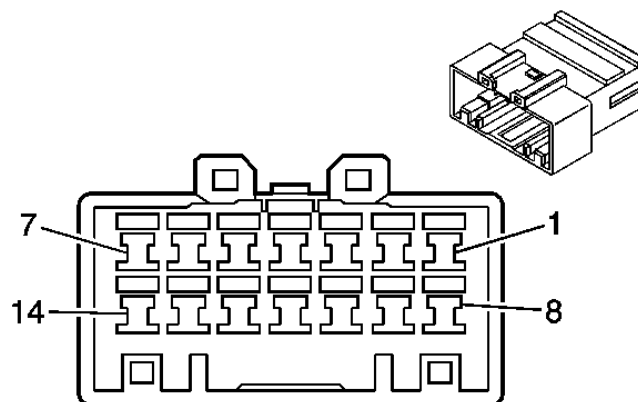
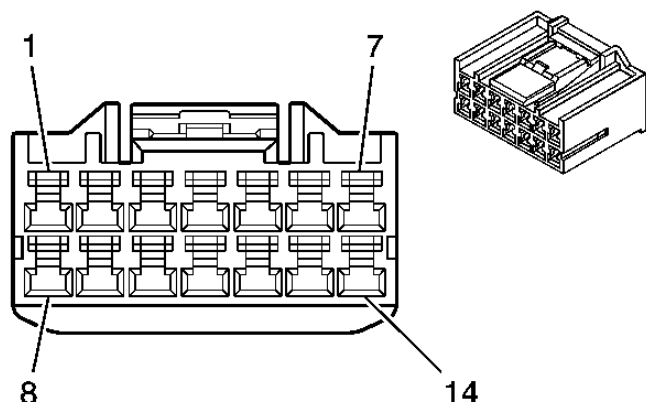
2008 ELECTRICAL Wiring Systems and Power Management - Optra

	GY	1118	Notchback RHD)		GY	1118	Notchback RHD)
80	YE	116	Left Rear Speaker Output (-)	80	YE	116	Left Rear Speaker Output (-)
81	PU	172	Low Fuel Indicator Control (Gasoline)	81	PU	172	Low Fuel Indicator Control (Gasoline)
	YE/BK	-	Diesel Particulate Filter Indicator Control (Diesel)		YE/BK	-	Diesel Particulate Filter Indicator Control (Diesel)
82	-	-	Not Used	82	-	-	Not Used
	GY	1118	Left Front Speaker Output (+) (Except Notchback RHD)		GY	1118	Left Front Speaker Output (+) (Except Notchback RHD)
	BN/WH	1201			BN/WH	1201	
83	BN	199	Left Rear Speaker Output (+)	83	BN	199	Left Rear Speaker Output (+)
84	-	-	Not Used	84	-	-	Not Used
	YE	261	Alarm Signal (Except North America)		YE	261	Alarm Signal (Except North America)
85	WH	30	Fuel Level Sensor Signal (Gasoline)	85	WH/BK	30	Fuel Level Sensor Signal (Gasoline)
	GY/BK	-	ECT Indicator Control (Diesel)		GY/BK	-	ECT Indicator Control (Diesel)
86	D-BU	46	Right Rear Speaker Output (+)	86	D-BU/WH	46	Right Rear Speaker Output (+)
87	L-BU	1738	Variable Effort Steering Actuator Supply Voltage (w/Variable Effort Steering)	87	L-BU	1738	Variable Effort Steering Actuator Supply Voltage
88	PU	1703	Variable Effort Steering Actuator Control	88	PU	1703	Variable Effort Steering Actuator Control
89	D-GN	117	Right Front Speaker Output (-)	89	D-GN	117	Right Front Speaker Output (-)

X204 - ROOF HARNESS TO FLOOR HARNESS (CE1)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 936199-1
- Service: N/A
- Description: 14-Way F Connector (WH)

Connector Part Information

- OEM: 936209-1
- Service: N/A
- Description: 14-Way M Connector (WH)

X204 - Roof Harness to Floor Harness (CE1)

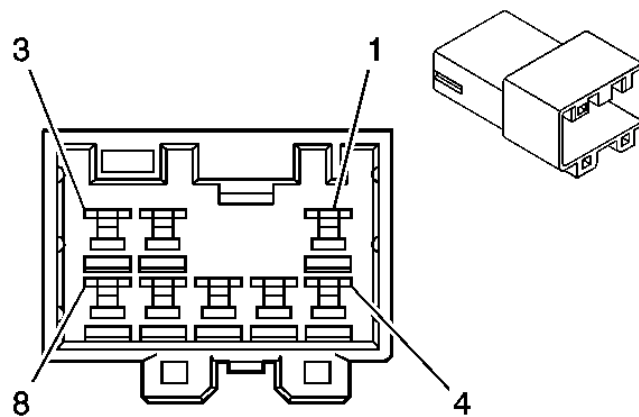
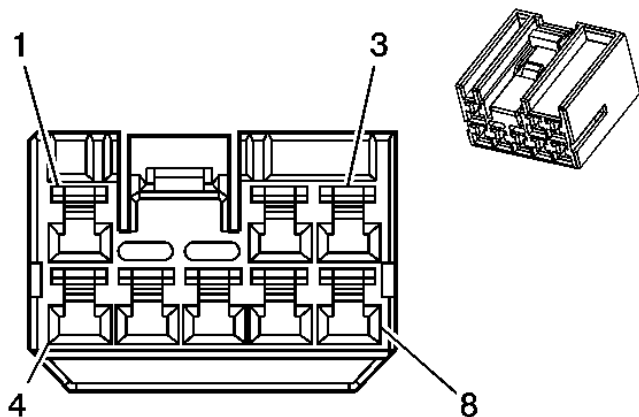
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	L-GN	227	Windshield Washer Pump Ground	1	L-GN	227	Windshield Washer Pump Ground
2	D-GN	2228	Wiper Motor Signal	2	D-GN	2228	Wiper Motor Signal
3	D-BU	1112	Wiper Motor Signal	3	D-BU	1112	Wiper Motor Signal
4	-	-	Not Used	4	-	-	Not Used
	WH	1659	Microphone (-) (Optional)		WH	1659	Microphone (-) (Optional)
5	GY	161	Antenna Enable Signal	5	GY	161	Antenna Motor Up
6	PU	156	Courtesy Lamp Control	6	PU	156	Courtesy Lamp Control
7	PK	839	Ignition 1 Voltage	7	PK	839	Ignition 1 Voltage
8	YE	112	Windshield Wiper Switch Signal 1	8	YE	112	Windshield Wiper Switch Signal
9	RD	228	Windshield Washer Pump Control	9	RD	228	Windshield Washer Pump Control
10	PK	639	Ignition 1 Voltage	10	RD/D-BU	441	Ignition 1 Voltage (Notchback RHD)
					PK	639	Ignition 1 Voltage (Notchback LHD)
11	D-GN/WH	900	Key Cylinder Lamp Control	11	D-GN/WH	900	Key Cylinder Lamp Control

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

12	OG	640	Battery Positive Voltage	12	OG/BK	640	Battery Positive Voltage
13	BN	641	Ignition 3 Voltage	13	BN/WH	641	Ignition 3 Voltage
14	-	-	Not Used	14	-	-	Not Used
	PK/BK	1303	Door Switch Signal		PK/BK	1303	Door Switch Signal
	D-BU	1658	Microphone (+) (Optional)		D-BU	1658	Microphone (+) (Optional)

X204 - ROOF HARNESS TO FLOOR HARNESS (-CE1)



Connector Part Information

- OEM: 936233
- Service: N/A
- Description: 8-Way F 090III 8P PLUG Assembly (WH)

Connector Part Information

- OEM: 936242
- Service: N/A
- Description: 8-Way M 090III 8P CAP Assembly (WH)

X204 - Roof Harness to Floor Harness (-CE1)

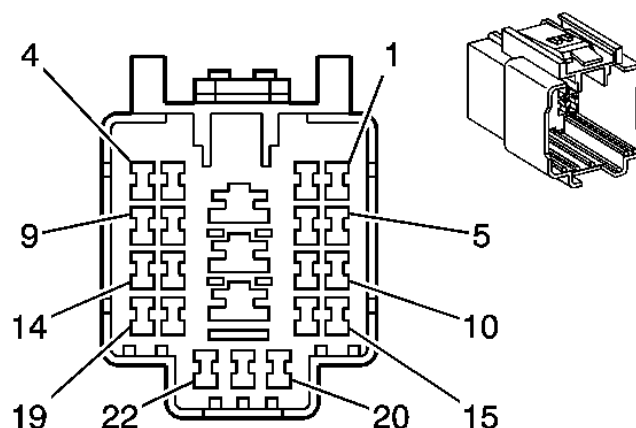
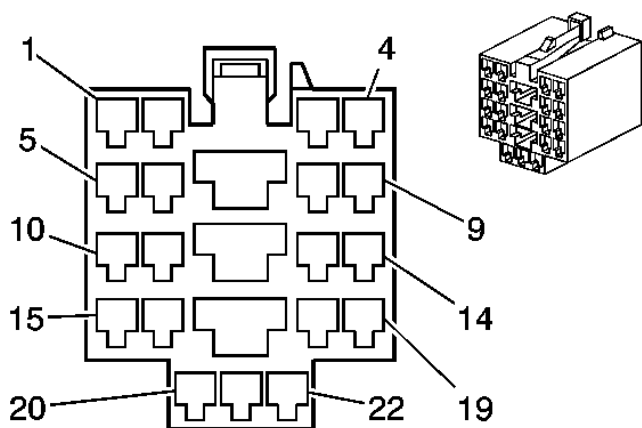
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	GY	161	Antenna Signal	1	GY	161	Antenna Motor Up (Hatchback Only)
2	PU	156	Courtesy Lamp Control	2	PU	156	Courtesy Lamp Control
3	PK	839	Ignition 1 Voltage	3	PK	839	Ignition 1 Voltage
4	D-GN/WH	900	Key Cylinder Lamp Control	4	D-GN/WH	900	Key Cylinder Lamp Control
5	OG	640	Battery Positive Voltage	5	OG	640	Battery Positive Voltage
					OG/BK (Except North		

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

					America)		
6	BN	641	Ignition 3 Voltage	6	BN/WH	641	Ignition 3 Voltage (Hatchback)
	BN	641	Ignition 3 Voltage		BN	641	Ignition 3 Voltage (Notchback)
7	D-BU	1658	Microphone (+) (Optional)	7	D-BU	1658	Microphone (+) (Optional)
8	WH	1659	Microphone (-) (Optional)	8	WH	1659	Microphone (-) (Optional)
	PK/BK	1303	Door Switch Signal (Except North America)		PK/BK	1303	Door Switch Signal (Except North America)

X206 - I/P HARNESS TO TCM HARNESS (AISIN)



Connector Part Information

- OEM: MG610837
- Service: N/A
- Description: 22-Way F Hybrid 2507 Housing (WH)

Connector Part Information

- OEM: MG620838
- Service: N/A
- Description: 22-Way M Hybrid 2507 Housing (WH)

X206 - I/P Harness to TCM Harness (Aisin)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	D-GN/WH	1135	Transmission Hold Signal	1	D-GN/WH	1135	Transmission Hold Signal
2	L-GN/BK	3013	Park/Neutral Position (PNP) Switch Drive Signal	2	WH	2377	Park/Neutral Position (PNP) Switch Drive Signal

2008 Chevrolet Optra LT

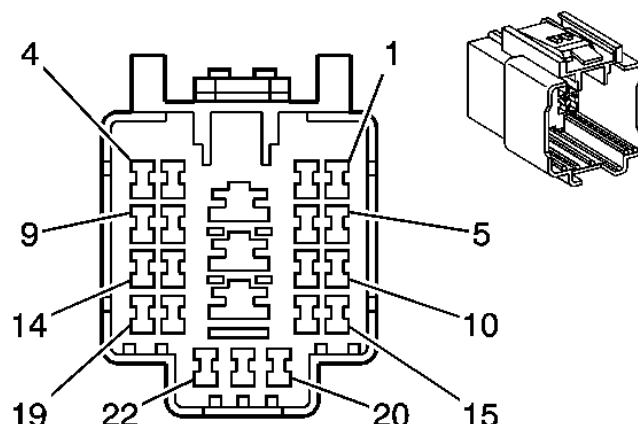
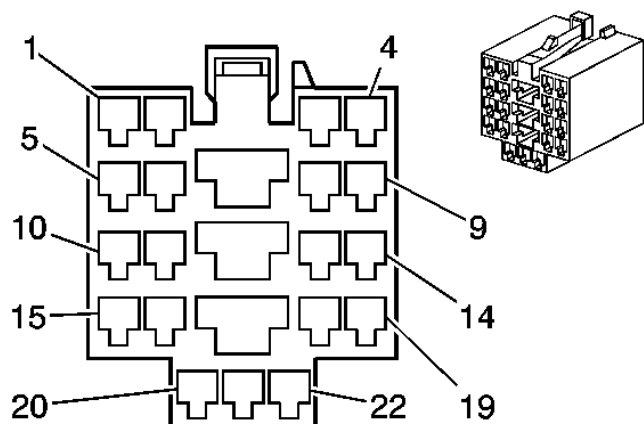
2008 ELECTRICAL Wiring Systems and Power Management - Optra

3	D-GN/WH	817	Vehicle Speed Signal	3	D-GN/WH	817	Vehicle Speed Signal
4	YE	710	CAN Serial Data Low	4	YE	710	CAN Serial Data Low
5	YE	1481	Hold Mode Indicator Control	5	YE	1481	Hold Mode Indicator Control
6	L-GN/RD	3012	Park/Neutral Position (PNP) Switch Neutral Signal	6	YE	2381	Park/Neutral Position (PNP) Switch Neutral Signal
7	BK	250	Ground	7	BK/WH	51	Ground
8	OG/BK	434	Automatic Transmission Shift Lock Control	8	OG/BK	434	Automatic Transmission Shift Lock Control
9	L-BU	20	Stop Lamp Supply Voltage/ Stop Lamp Switch Signal	9	L-BU	20	Stop Lamp Supply Voltage/ Stop Lamp Switch Signal
10	-	-	Not Used	10	-	-	Not Used
11	L-GN/RD	3011	Park/Neutral Position (PNP) Switch Reverse Signal	11	D-GN/WH	2383	Park/Neutral Position (PNP) Switch Reverse Signal
12	PK	539	Ignition 1 Voltage	12	PK	839	Ignition 1 Voltage
13-14	-	-	Not Used	13-14	-	-	Not Used
15	D-GN	2384	Park/Neutral Position (PNP) Switch 2nd Gear Signal	15	PK	2384	Park/Neutral Position (PNP) Switch 2nd Gear Signal
16	D-BU/RD	3010	Park/Neutral Position (PNP) Switch Park Signal	16	D-GN	2382	Park/Neutral Position (PNP) Switch Park Signal
17	L-GN	24	Backup Lamp Supply Voltage	17	D-GN/WH	24	Backup Lamp Supply Voltage
18	OG	440	Battery Positive Voltage	18	OG	440	Battery Positive Voltage
19	PU	2000	Keyword Serial Data	19	D-BU	2000	Keyword Serial Data
20	PK	839	Ignition 1 Voltage	20	-	-	Not Used
21	GY	2380	Park/Neutral Position (PNP) Switch Low Gear Signal	21	GY	2380	Park/Neutral Position (PNP) Switch Low Gear Signal
22	PU	1807	CAN Serial Data High	22	PU	1807	CAN Serial Data High

X206 - I/P HARNESS TO TCM HARNESS (ZF-4HP16)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: MG610837
- Service: N/A
- Description: 22-Way F Hybrid 2507 Housing (WH)

Connector Part Information

- OEM: MG620838
- Service: N/A
- Description: 22-Way M Hybrid 2507 Housing (WH)

X206 - I/P Harness to TCM Harness (ZF-4HP16)

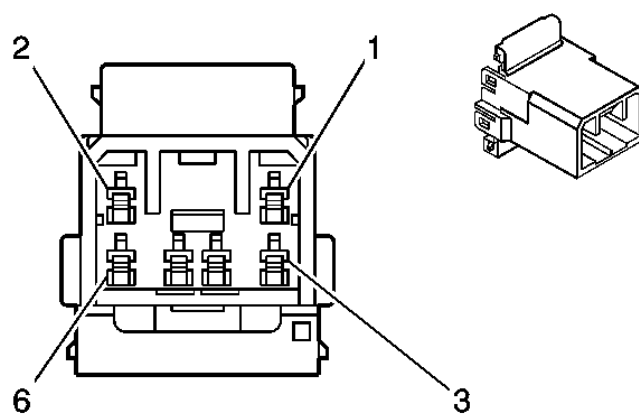
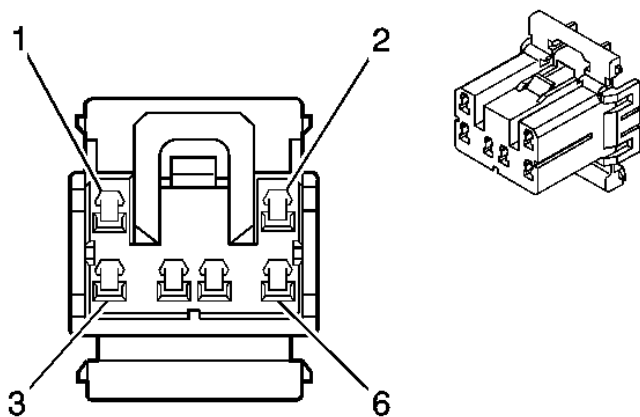
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	D-GN/WH	1135	Transmission Hold Signal	1	D-GN/WH	1135	Transmission Hold Signal
2	L-GN/BK	3013	Park/Neutral Position (PNP) Switch L4 Signal	2	L-GN/BK	3013	Park/Neutral Position (PNP) Switch L4 Signal
3	D-GN/WH	817	Vehicle Speed Signal	3	D-GN/WH	817	Vehicle Speed Signal
4	YE	710	CAN Serial Data Low	4	YE	710	CAN Serial Data Low
5	YE	1481	Hold Mode Indicator Control	5	YE	1481	Hold Mode Indicator Control
6	L-GN/RD	3012	Park/Neutral Position (PNP) Switch L3 Signal	6	RD/D-BU	3012	Park/Neutral Position (PNP) Switch L3 Signal
7	BK	250	Ground	7	BK/WH	251	Ground
8	OG/BK	434	Automatic Transmission Shift Lock Control	8	OG/BK	434	Automatic Transmission Shift Lock Control
9	L-BU	20	Stop Lamp Supply Voltage/ Stop Lamp Switch Signal	9	L-BU	20	Stop Lamp Supply Voltage/ Stop Lamp Switch Signal
10	-	-	Not Used	10	-	-	Not Used
11	L-GN/RD	3011	Park/Neutral Position (PNP) Switch L2 Signal	11	L-GN/RD	3011	Park/Neutral Position (PNP) Switch L2 Signal

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

12	PK	539	Ignition 1 Voltage	12	PK	439	Ignition 1 Voltage
13-14	-	-	Not Used	13-14	-	-	Not Used
15	D-GN	2384	Park/Neutral Position (PNP) Switch 2nd Gear Signal (Except North America)	15	D-GN	3017	Transmission Mode Signal Power
16	D-BU/RD	3010	Park/Neutral Position (PNP) Switch L1 Signal	16	D-BU/RD	3010	Park/Neutral Position (PNP) Switch L1 Signal
17	L-GN	24	Backup Lamp Supply Voltage	17	L-GN	24	Backup Lamp Supply Voltage
18	OG	440	Battery Positive Voltage	18	OG	440	Battery Positive Voltage
19	PU	2000	Keyword Serial Data	19	BN	2000	Keyword Serial Data
20	PK	839	Ignition 1 Voltage	20	PK	839	Ignition 1 Voltage
21	GY	2380	Park/Neutral Position (PNP) Switch Low Gear Signal (Except North America)	21	-	-	Not Used
22	PU	1807	CAN Serial Data High	22	PU	1807	CAN Serial Data High

X207 - SIR HARNESS TO I/P HARNESS



Connector Part Information

- OEM: 175658
- Service: N/A
- Description: 6-Way F 070 MLC W-W PLUG HSG 6P (WH)

Connector Part Information

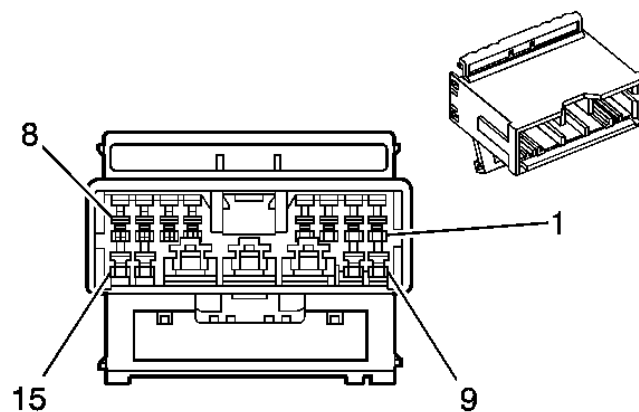
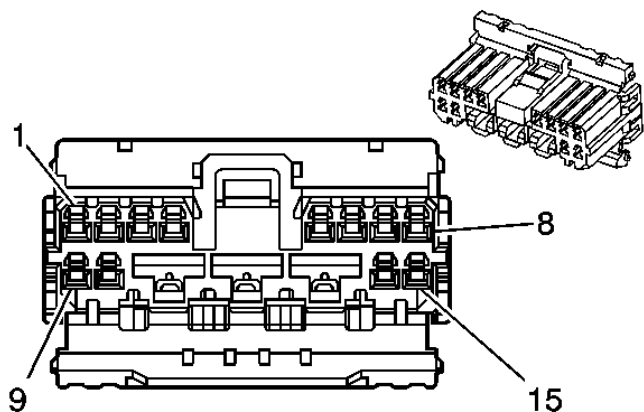
- OEM: 175657
- Service: N/A
- Description: 6-Way M .070 SRS MLC 6POS (WH)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

X207 - SIR Harness to I/P Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	YE	1139	Ignition 1 Voltage	1	PK	1139	Ignition 1 Voltage
2	BN/WH	238	Seat Belt Switch Left	2	BK/WH	238	Seat Belt Switch Left
3	D-GN	358	Air Bag Indicator Control	3	BN	358	Air Bag Indicator Control
4	L-BU	327	SIR Serial Data	4	L-BU	327	SIR Serial Data
5	-	-	Not Used (RHD)	5	-	-	Not Used (RHD)
	PK	939	Ignition 1 Voltage (LHD)		PK	939	Ignition 1 Voltage (LHD)
6	D-GN/WH	1358	Air Bag Indicator Control (North America Only)	6	D-GN/WH	1358	Air Bag Indicator Control (North America Only)

X208 - I/P HARNESS TO HVAC HARNESS (C68)**Connector Part Information**

- OEM: 85113-1
- Service: N/A
- Description: 15-Way F 070/250 Hybrid Series (WH)

Connector Part Information

- OEM: 85114-1
- Service: N/A
- Description: 15-Way M .070/.250 Hybrid Series (WH)

X208 - I/P Harness to HVAC Harness (C68)

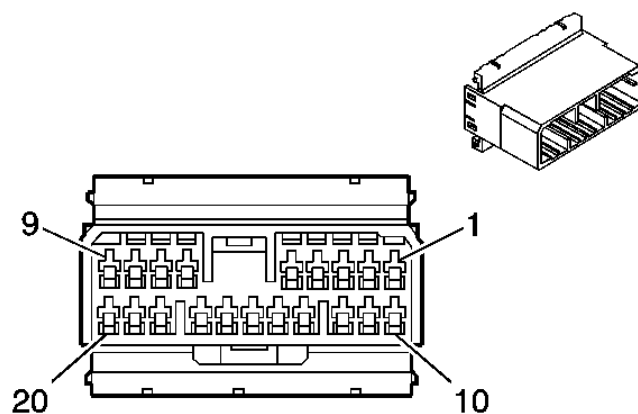
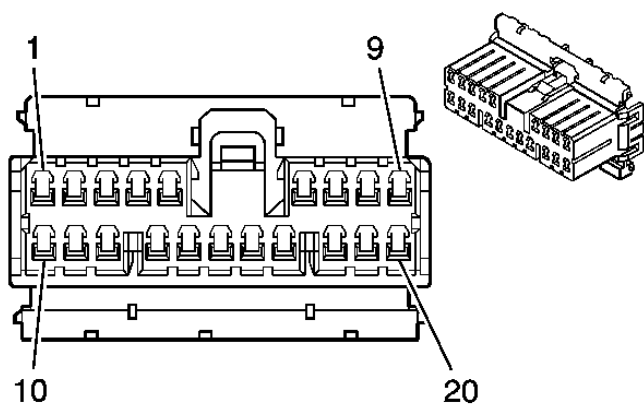
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	YE	61	Low Reference	1	YE	61	Low Reference
2	D-GN/WH	762	A/C Request Signal	2	D-GN/WH	762	A/C Request Signal
3	D-GN	44	Instrument Panel Lamps	3	D-GN	44	Instrument Panel Lamps

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			Dimmer Switch Signal				Dimmer Switch Signal
4	BN/WH	309	Right Park Lamp Supply Voltage	4	BN/WH	309	Right Park Lamp Supply Voltage
5	D-GN/WH	817	Vehicle Speed Signal	5	D-GN/RD	817	Vehicle Speed Signal
6	BN	41	Ignition 3 Voltage	6	BN	41	Ignition 3 Voltage
7	-	-	Not Used	7	-	-	Not Used
8	OG	1140	Battery Positive Voltage	8	OG	1140	Battery Positive Voltage
9	L-GN/BK	735	Ambient Air Temperature Sensor	9	L-GN/BK	735	Ambient Air Temperature Sensor
10	BN	247	High Speed Blower Relay Control	10	-	-	Not Used
11	WH	193	Rear Defog Relay Control	11	WH	193	Rear Defog Relay Control
12	PU	65	Blower Motor Feed	12	YE	744	Blower Motor Supply Voltage
13	BK	1050	Ground	13	BK	350	Ground
14	D-GN	95	Windshield Washer Switch Signal	14	D-GN	95	Windshield Washer Switch Signal
15	-	-	Not Used (Gasoline)	15	-	-	Not Used (Gasoline)
	WH/RD	-	PTC Request (Diesel)		WH/RD	-	PTC Request (Diesel)

X209 - HVAC HARNESS TO AUXILIARY HVAC HARNESS (C68, GASOLINE)



Connector Part Information

- OEM: 368511-1
- Service: N/A
- Description: 20-Way F 070 Multi Lock

Connector Part Information

- OEM: 368510-1
- Service: N/A
- Description: 20-Way M 070 Multi Lock

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

Connector (WH)

Connector (WH)

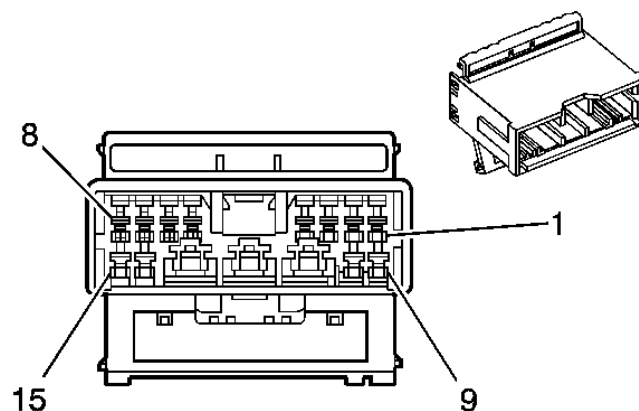
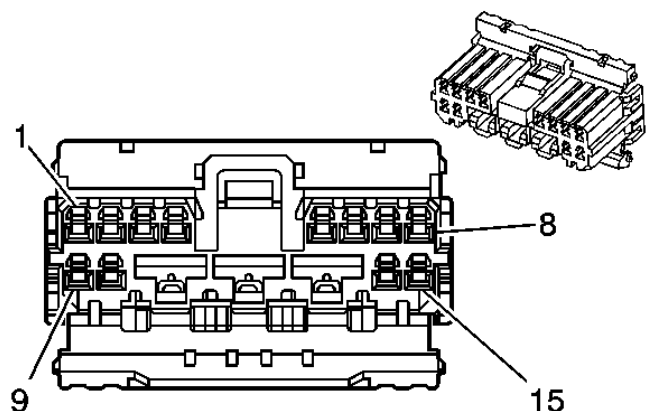
X209 - HVAC Harness to Auxiliary HVAC Harness (C68, Gasoline)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	OG	1140	Battery Positive Voltage	1	OG	1140	Battery Positive Voltage
2	PK/WH	1648	Recirculation Door Control A	2	PK/WH	1648	Recirculation Door Control A
3	-	-	Not Used	3	-	-	Not Used
4	D-GN/BK	1647	Recirculation Door Control B	4	D-GN/BK	1647	Recirculation Door Control B
5	L-GN/BK	735	Ambient Air Temperature Sensor Signal	5	L-GN/BK	735	Ambient Air Temperature Sensor Signal
6	D-BU/BK	247	High Speed Blower Relay Control	6	D-BU/BK	247	High Speed Blower Relay Control
7	D-GN	95	Windshield Washer Switch Signal	7	D-GN	95	Windshield Washer Switch Signal
8	D-GN/RD	817	Vehicle Speed Signal	8	D-GN/RD	817	Vehicle Speed Signal
9	D-BU	188	Blower Motor Supply Voltage	9	D-BU	188	Blower Motor Supply Voltage
10	WH	193	Rear Defog Relay Signal	10	WH	193	Rear Defog Relay Signal
11	BN	41	Ignition 3 Voltage	11	BN	41	Ignition 3 Voltage
12	BN/WH	309	Right Park Lamp Supply Voltage	12	BN/WH	309	Right Park Lamp Supply Voltage
13	D-GN	44	Instrument Panel Lamps Dimming Control	13	D-GN	44	Instrument Panel Lamps Dimming Control
14	BN/WH	762	A/C Request Signal	14	BN/WH	762	A/C Request Signal
15	YE	61	Low Reference	15	YE	61	Low Reference
16-18	-	-	Not Used	16-18	-	-	Not Used
19	BK	350	Ground	19	BK	350	Ground
20	GY/BK	754	Blower Motor Speed Control	19	GY/BK	754	Blower Motor Speed Control

X211 - I/P HARNESS TO BODY HARNESS (DIESEL)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 85113-1
- Service: N/A
- Description: 15-Way F (WH)

Connector Part Information

- OEM: 85114-1
- Service: N/A
- Description: 15-Way M (WH)

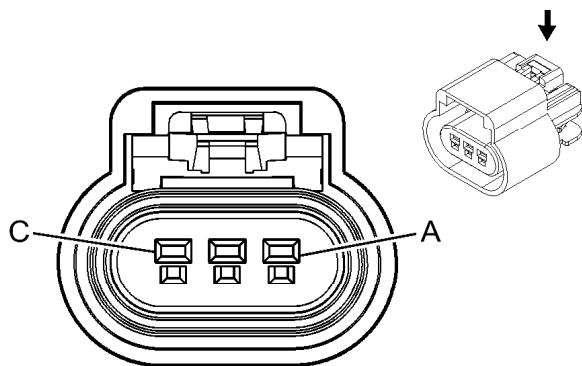
X211 - I/P Harness to Body Harness (Diesel)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN	-	APP Sensor 1 5-Volt Reference	1	BN	-	APP Sensor 1 5-Volt Reference
2	BU	-	APP Sensor 1 Signal	2	BU	-	APP Sensor 1 Signal
3	L-BU	-	APP Sensor 1 Low Reference	3	L-BU	-	APP Sensor 1 Low Reference
4	PU	-	APP Sensor 2 Low Reference	4	PU	-	APP Sensor 2 Low Reference
5	BN/WH	-	Cruise Control Clutch Switch Signal	5	BN/BK	-	Cruise Control Clutch Switch Signal
6	WH	-	Cruise Indicator Control	6	WH	-	Cruise Indicator Control
7	PU	-	Fuel Warning Signal	7	PU	-	Fuel Warning Signal
8	BN	-	Brake Pedal Switch Signal	8	BN	-	Brake Pedal Switch Signal
9	BN/BK	-	APP Sensor 2 5-Volt Reference	9	BN/BK	-	APP Sensor 2 5-Volt Reference
10	WH	-	APP Sensor 2 Signal	10	WH	-	APP Sensor 2 Signal
11	BU/WH	-	PTC 1 Relay Switch Output	11	BU/WH	-	PTC 1 Relay Switch Output
12	BN	-	PTC 3 Relay Switch Output	12	BN	-	PTC 3 Relay Switch Output

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

13	YE/BK	-	PTC 2 Relay Switch Output	13	YE/BK	-	PTC 2 Relay Switch Output
14	BN/WH	-	Water In Fuel Indicator Control	14	BN/WH	-	Water In Fuel Indicator Control
15	GN/WH	-	PTC Request	15	GN/WH	-	PTC Request

X212 - I/P HARNESS TO PTC HARNESS (DIESEL)**Connector Part Information**

- OEM: 15326877
- Service: N/A
- Description: 3-Way F GT 280 Series (BK)

Connector Part Information

- OEM: 15326880
- Service: N/A
- Description: 3-Way M GT 280 Series (BK)

X212 - I/P Harness to PTC Harness (Diesel)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BU/WH	-	PTC 1 Relay Switch Output	1	BU/WH	-	PTC 1 Relay Switch Output
2	BN	-	PTC 3 Relay Switch Output	2	BN	-	PTC 3 Relay Switch Output
3	YE/BK	-	PTC 2 Relay Switch Output	3	YE/BK	-	PTC 2 Relay Switch Output

X213 - TCM LEAD TO TCM HARNESS (DIESEL)**Connector Part Information**

- OEM: NA
- Service: N/A
- Description: 26-Way F (BK)

Connector Part Information

- OEM: NA
- Service: N/A
- Description: 26-Way M (BK)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

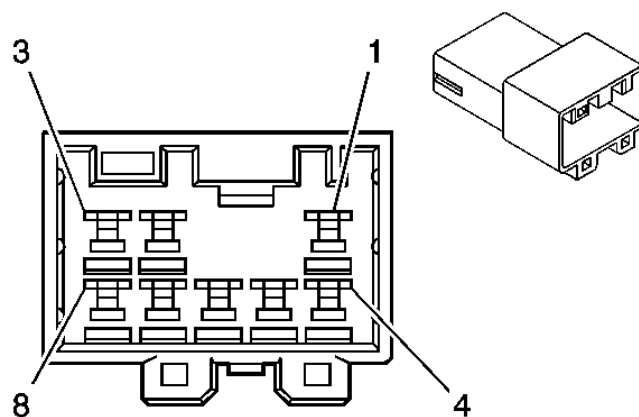
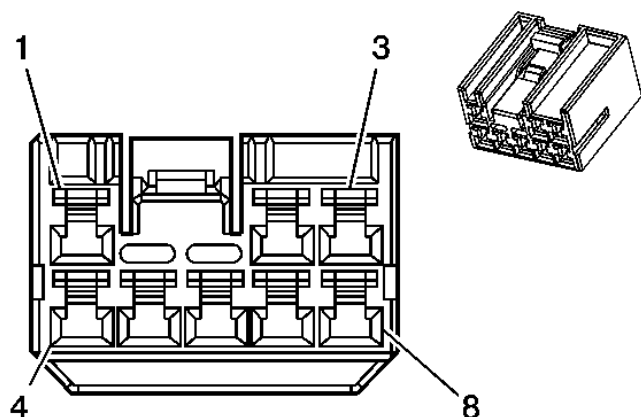
X213 - TCM Lead to TCM Harness (Diesel)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	YE/BK	-	Output Shaft Speed Sensor Low	1	YE/BK	-	Output Shaft Speed Sensor Low
2	BU/WH	-	Output Shaft Speed Sensor High	2	BU/WH	-	Output Shaft Speed Sensor High
3	BU/WH	-	Input Shaft Speed Sensor Low	3	BU/WH	-	Input Shaft Speed Sensor Low
4	YE/BK	-	Input Shaft Speed Sensor High	4	YE/BK	-	Input Shaft Speed Sensor High
5	GN/WH	-	Reverse Signal	5	GN/WH	-	Reverse Signal
6	OG/BK	-	Transmission Fluid Temperature Sensor Ground	6	OG/BK	-	Transmission Fluid Temperature Sensor Ground
7	BU	-	Clutch Pressure Solenoid Control	7	BU	-	Clutch Pressure Solenoid Control
8	L-BU	-	L-Up Solenoid Control	8	L-BU	-	L-Up Solenoid Control
9	YE/BK	-	Pressure Solenoid Control	9	YE/BK	-	Pressure Solenoid Control
10	PK	-	Ignition 1 Voltage	10	PK	-	Ignition 1 Voltage
11	BK/WH	-	Ground	11	BK/WH	-	Ground
12	BN/WH	-	Shift Solenoid 4 Control	12	BN/WH	-	Shift Solenoid 4 Control
13	YE/BK	-	Shift Solenoid 2 Control	13	YE/BK	-	Shift Solenoid 2 Control
14	PU	-	Transmission Fluid Temperature Sensor Signal	14	PU	-	Transmission Fluid Temperature Sensor Signal
15	L-BU	-	Clutch Pressure Solenoid Supply Voltage	15	L-BU	-	Clutch Pressure Solenoid Supply Voltage
16	PK	-	Ignition 1 Voltage	16	PK	-	Ignition 1 Voltage
17	BU	-	L-Up Solenoid Supply Voltage	17	BU	-	L-Up Solenoid Supply Voltage
18	RD	-	Pressure Solenoid Supply Voltage	18	RD	-	Pressure Solenoid Supply Voltage
19	YE/WH	-	Shift Solenoid 5 Control	19	YE/WH	-	Shift Solenoid 5 Control
20	PK	-	Shift Solenoid 3 Control	20	PK	-	Shift Solenoid 3 Control
21	PK	-	Park/Neutral Signal	21	PK	-	Park/Neutral Signal
22	L-GN	-	Shift Solenoid 1 Control	22	L-GN	-	Shift Solenoid 1 Control
23	GN	-	C Signal	23	GN	-	C Signal
24	WH	-	B Signal	24	WH	-	B Signal
25	WH	-	PA Signal	25	WH	-	PA Signal
26	WH	-	A Signal	26	WH	-	A Signal

X301 - SIR HARNESS TO FLOOR HARNESS (EXCEPT NORTH AMERICA)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 936233-1
- Service: N/A
- Description: 8-Way F 090III 8P PLUG Assembly (WH)

Connector Part Information

- OEM: 936242-1
- Service: N/A
- Description: 8-Way M 090III 8P CAP Assembly (WH)

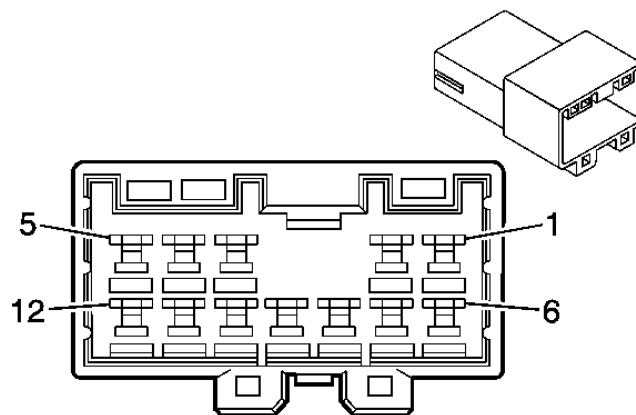
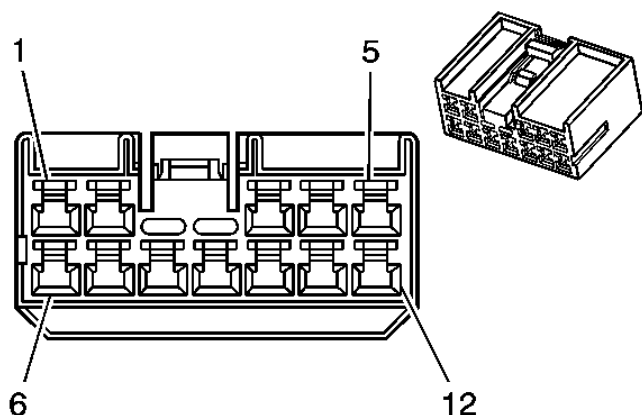
X301 - SIR Harness to Floor Harness (Except North America)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	RD/YE	753	Side Impact Sensor - Driver Voltage	1	PK	753	Side Impact Sensor - Driver Voltage
2	PK/WH	714	Side Impact Sensor - Passenger Voltage	2	PK/WH	714	Side Impact Sensor - Passenger Voltage
3	PK	1184	Seat Belt Pretensioner - Driver Low Control	3	YE/D-BU	1184	Seat Belt Pretensioner - Driver Low Control
4	BK	754	Side Impact Sensor - Driver Signal	4	BK/WH	754	Side Impact Sensor - Driver Signal
5	BN/WH	715	Side Impact Sensor - Passenger Signal	5	BN/WH	715	Side Impact Sensor - Passenger Signal
6	D-BU/WH	1187	Seat Belt Pretensioner - Passenger Low Control	6	RD/BK	1187	Seat Belt Pretensioner - Passenger Low Control
7	PK/BK	1186	Seat Belt Pretensioner - Passenger High Control	7	D-BU/WH	1186	Seat Belt Pretensioner - Passenger High Control
8	D-PU	1185	Seat Belt Pretensioner - Driver High Control	8	PU	1185	Seat Belt Pretensioner - Driver High Control

X301 - SIR TO FLOOR HARNESS (NORTH AMERICA)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 936196-1
- Service: N/A
- Description: 12-Way F 090 III Series (WH)

Connector Part Information

- OEM: 936207-5
- Service: N/A
- Description: 12-Way M 090-II Series (BU)

X301 - SIR to Floor Harness (North America)

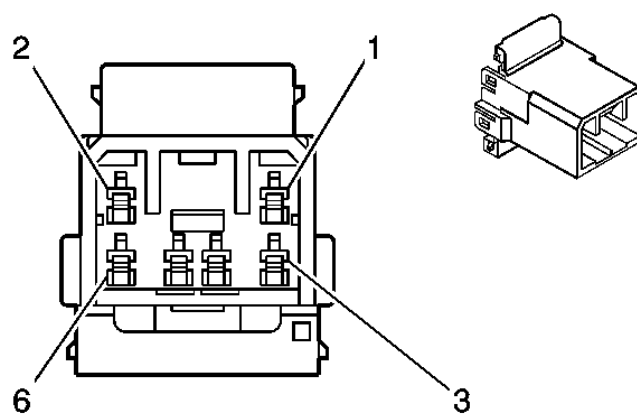
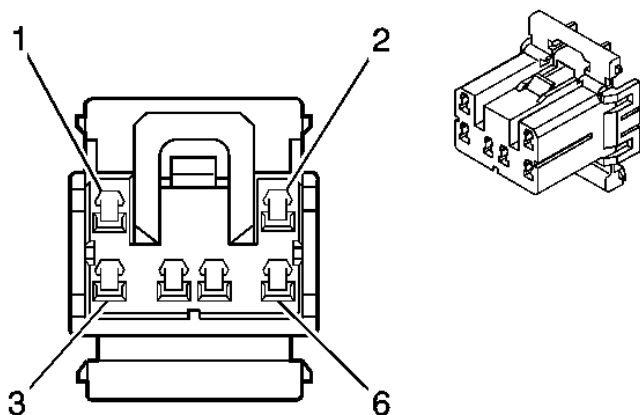
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	2103	Front End Sensor - Right - Voltage	1	PU	2103	Front End Sensor - Right - Voltage
2	BN/BK	2105	Front End Sensor - Left - Voltage	2	BN/BK	2105	Front End Sensor - Left - Voltage
3	RD/YE	753	Side Impact Sensor - Driver Voltage (w/Side Air Bags)	3	PK	753	Side Impact Sensor - Driver Voltage (w/Side Air Bags)
4	Pk/WH	714	Side Impact Sensor - Passenger Voltage (w/Side Air Bags)	4	Pk/WH	714	Side Impact Sensor - Passenger Voltage (w/Side Air Bags)
5	PK	1184	Seat Belt Pretensioner - Driver - Low Control	5	YE/D-BU	1184	Seat Belt Pretensioner - Driver - Low Control
6	D-GN/WH	2104	Front End Sensor - Right - Signal	6	D-GN/WH	2104	Front End Sensor - Right - Signal
7	L-GN/RD	2106	Front End Sensor - Left - Signal	7	L-GN/RD	2106	Front End Sensor - Left - Signal
8	BK	754	Side Impact Sensor Driver Signal (w/Side Air Bags)	8	BK/WH	754	Side Impact Sensor Driver Signal (w/Side Air Bags)
			Side Impact Sensor				Side Impact Sensor

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

9	BN/WH	715	Passenger Signal (w/Side Air Bags)	9	BN/WH	715	Passenger Signal (w/Side Air Bags)
10	D-BU/WH	1187	Seat Belt Pretensioner - Passenger - Low Control	10	RD/BK	1187	Seat Belt Pretensioner - Passenger - Low Control
11	PK/BK	1186	Seat Belt Pretensioner - Passenger - High Control	11	D-BU/WH	1186	Seat Belt Pretensioner - Passenger - High Control
12	D-BU	1185	Seat Belt Pretensioner - Driver - High Control	12	PU	1185	Seat Belt Pretensioner - Driver - High Control

X302 - I/P HARNESS TO CONSOLE HARNESS



Connector Part Information

- OEM: 175658
- Service: N/A
- Description: 6-Way F 070 MLC W-W Series (WH)

Connector Part Information

- OEM: 175657
- Service: N/A
- Description: 6-Way M .070 SRS MLC Series (WH)

X302 - I/P Harness to Console Harness

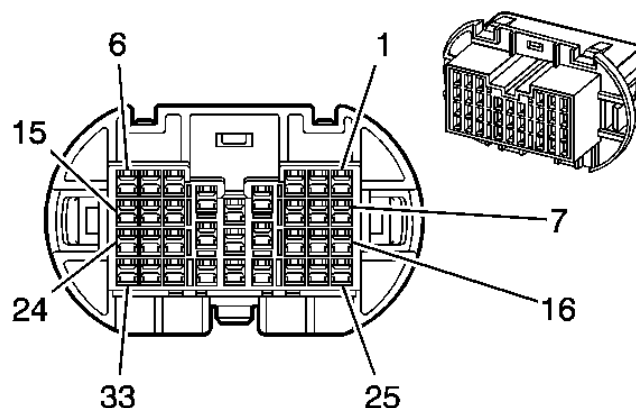
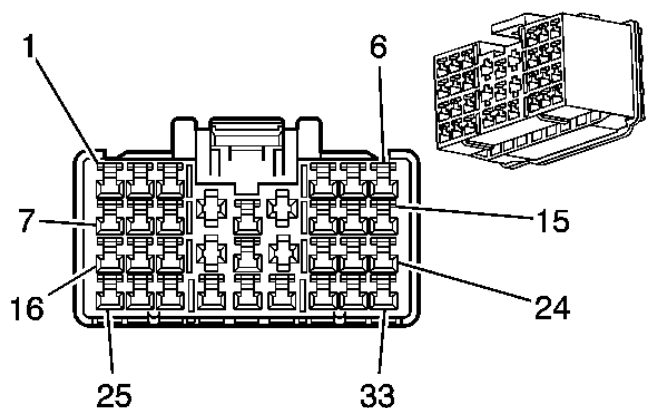
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	YE	243	Ignition 3 Voltage	1	YE	243	Ignition 3 Voltage
2	BK	1050	Ground	2	BK	1050	Ground
3	D-GN/WH	1135	Transmission Hold Signal	3	D-GN/WH	1135	Transmission Hold Signal
4	BK	1050	Ground	4	BK	1050	Ground
5	BN/WH	309	Right Park Lamp Supply	5	BN/WH	309	Right Park Lamp Supply Voltage

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			Voltage		BN/WH	390	Right Park Lamp Supply Voltage
6	D-GN	44	Instrument Panel Lamps Dimmer Switch Signal	6	D-GN	44	Instrument Panel Lamps Dimmer Switch Signal
					D-GN	44	Instrument Panel Lamps Dimmer Switch Signal

X351 - FLOOR HARNESS TO LEFT FRONT DOOR HARNESS (LHD)



Connector Part Information

- OEM: 936283-1
- Service: N/A
- Description: 33-Way F 090/JPT Series (WH)

Connector Part Information

- OEM: 936280
- Service: N/A
- Description: 33-Way M .090/JPT Series (WH)

X351 - Floor Harness to Left Front Door Harness (LHD)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	201	Left Front Speaker Output (+)	1	PU	201	Left Front Speaker Output (+)
2	GY/WH	118	Left Front Speaker Output (-)	2	GY/WH	118	Left Front Speaker Output (-)
3	YE	356	Driver Door Lock Relay Unlock Control	3	YE	356	Driver Door Lock Relay Unlock Control
4	WH	194	Door Unlock Control	4	WH	194	Door Unlock Control
5	PU	167	Power Window Master Switch Passenger Front Down Signal	5	PU	167	Power Window Master Switch Passenger Front Down Signal
6	L-BU	166	Power Window Master Switch Passenger Front	6	L-BU	166	Power Window Master Switch Passenger Front

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

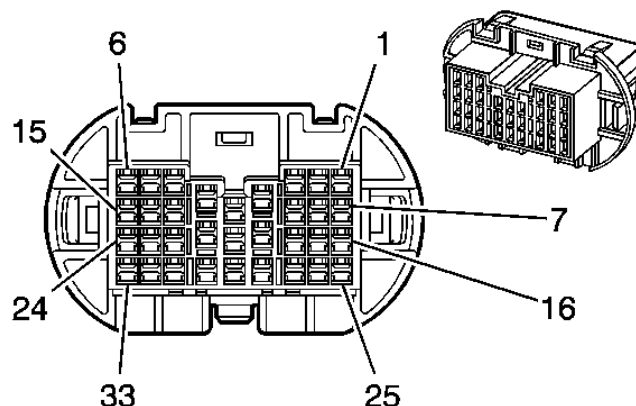
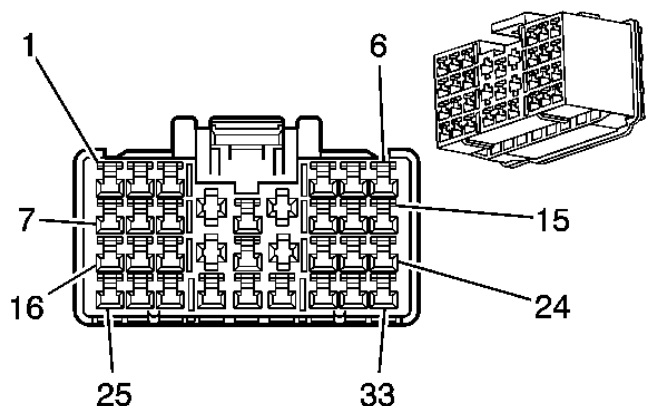
			Up Signal				Up Signal
7	GY/BK	90	Passenger Mirror Motor Left Control	7	GY	90	Passenger Mirror Motor Left Control
8	PU/WH	889	Passenger Mirror Motor Down Control	8	PU/WH	889	Passenger Mirror Motor Down Control
9	RD/WH	881	Passenger Mirror Motor Right Control	9	RD/WH	881	Passenger Mirror Motor Right Control
10	RD	581	Power Window Supply Voltage - Driver Door	10	RD	581	Power Window Supply Voltage - Driver Door
11	L-GN/WH	355	Driver Door Lock Relay Lock Control	11	L-GN/WH	355	Driver Door Lock Relay Lock Control
12	D-BU	1307	Power Window Master Switch Lockout Control	12	D-BU	1307	Power Window Master Switch Lockout Control
13	L-BU	195	Door Lock Control	13	L-BU	195	Door Lock Control
14	PU/RD	169	Power Window Master Switch Left Rear Down Signal	14	PU/RD	169	Power Window Master Switch Left Rear Down Signal
15	D-GN	168	Power Window Master Switch Left Rear Up Signal	15	D-GN	168	Power Window Master Switch Left Rear Up Signal
16	BN	253	Trunk Release Relay Control	16	BN	253	Trunk Release Relay Control
17	OG	640	Battery Positive Voltage	17	OG	640	Battery Positive Voltage
18	BN/BK BN	641	Ignition 3 Voltage	18	BN	141	Ignition 3 Voltage
19	BK	1150	Ground	19	BK	1150	Ground
20	BK	1150	Ground	20	BK	1150	Ground
21	OG	580	Power Window Supply Voltage	21	OG	580	Power Window Supply Voltage
22	GY	1118	Left Speaker Output (+) Optional	22	D-GN	1118	Left Speaker Output (+) Optional
23	PU/WH	171	Power Window Master Switch Right Rear Down Signal	23	PU/WH	171	Power Window Master Switch Right Rear Down Signal
24	L-GN	170	Power Window Master Switch Right Rear Up Signal	24	L-GN	170	Power Window Master Switch Right Rear Up Signal
25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)	25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)
26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)	26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)
			Heated Mirror/Rear				Heated Mirror/Rear

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

27	OG	267	Defog Relay Coil Supply Voltage	27	OG/WH	267	Defog Relay Coil Supply Voltage
28	GY	295	Door Lock Actuator Lock Control	28	GY	295	Door Lock Actuator Lock Control
29	L-GN	1370	Driver Door Lock Switch Signal	29	L-GN	1370	Driver Door Lock Switch Signal
30	PU/WH	294	Door Lock Actuator Unlock Control	30	PU/WH	294	Door Lock Actuator Unlock Control
31	BN/WH	1201	Left Speaker Output (-) Optional	31	PU	1201	Left Speaker Output (-) Optional
32	YE/GN	749	Security Indicator Control (w/Alarm)	32	YE	749	Security Indicator Control (w/Alarm)
33	GY/RD	2232	Folding Mirror Switch Signal (w/Folding Mirrors)	33	GY/BK	2232	Folding Mirror Switch Signal (w/Folding Mirrors)

X351 - FLOOR HARNESS TO LEFT FRONT DOOR HARNESS (RHD)



Connector Part Information

- OEM: 936283-1
- Service: N/A
- Description: 33-Way F 090/JPT Series (WH)

Connector Part Information

- OEM: 936280
- Service: N/A
- Description: 33-Way M .090/JPT Series (WH)

X351 - Floor Harness to Left Front Door Harness (RHD)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	201	Left Front Speaker Output (+)	1	L-GN	201	Left Front Speaker Output (+)
			Left Front Speaker				Left Front Speaker

2008 Chevrolet Optra LT

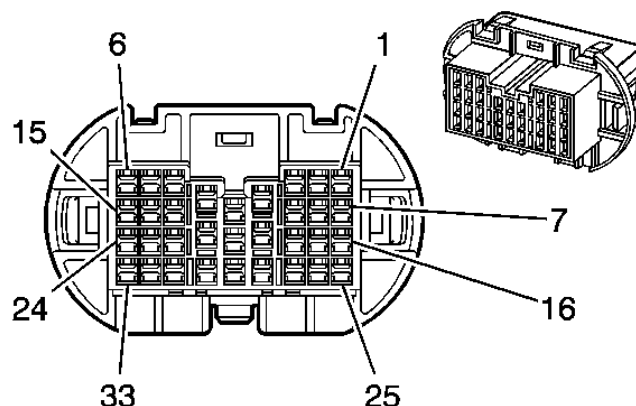
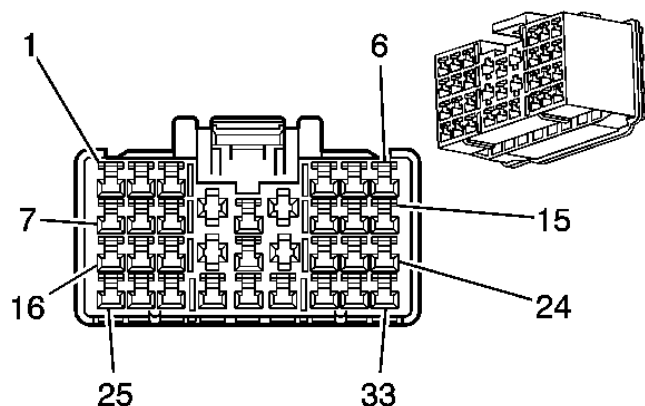
2008 ELECTRICAL Wiring Systems and Power Management - Optra

2	GY/WH	118	Output (-)	2	D-GN	118	Output (-)
3-4	-	-	Not Used	3-4	-	-	Not Used
5	PU	167	Power Window Master Switch Passenger Front Down Signal	5	PU	167	Power Window Master Switch Passenger Front Down Signal
6	L-BU	166	Power Window Master Switch Passenger Front Up Signal	6	L-BU	166	Power Window Master Switch Passenger Front Up Signal
7	GY/BK	90	Passenger Mirror Motor Left Control	7	GY/BK	90	Passenger Mirror Motor Left Control
8	PU/WH	889	Passenger Mirror Motor Down Control	8	PU/WH	889	Passenger Mirror Motor Down Control
9	RD/WH	881	Passenger Mirror Motor Right Control	9	RD/WH	881	Passenger Mirror Motor Right Control
10	-	-	Not Used	10	-	-	Not Used
11	BK	350	Ground (Hatchback)	11	BK	350	Ground (Hatchback)
	BK	1150	Ground (Notchback)		BK	1150	Ground (Notchback)
12	D-BU	1307	Power Window Master Switch Lockout Control	12	D-BU	1307	Power Window Master Switch Lockout Control
13-24	-	-	Not Used	13-24	-	-	Not Used
25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)	25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)
26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)	26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)
27	OG	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage	27	OG/WH	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage
28	GY	295	Door Lock Actuator Lock Control	28	GY	295	Door Lock Actuator Lock Control
29	PU	1371	Passenger Door Lock Switch Signal	29	PU	1371	Passenger Door Lock Switch Signal
30	PU/WH	294	Door Lock Actuator Unlock Control	30	PU/WH	294	Door Lock Actuator Unlock Control
31-33	-	-	Not Used	31-33	-	-	Not Used

X361 - FLOOR HARNESS TO RIGHT FRONT DOOR HARNESS (LHD)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 936283-1
- Service: N/A
- Description: 33-Way F 090/JPT Series (WH)

Connector Part Information

- OEM: 936280
- Service: N/A
- Description: 33-Way M .090/JPT Series (WH)

X361 - Floor Harness to Right Front Door Harness (LHD)

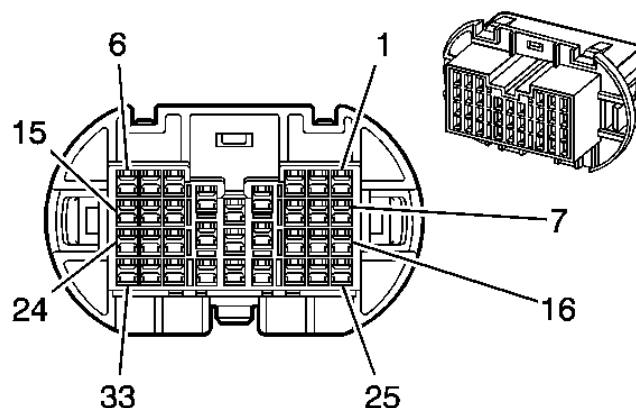
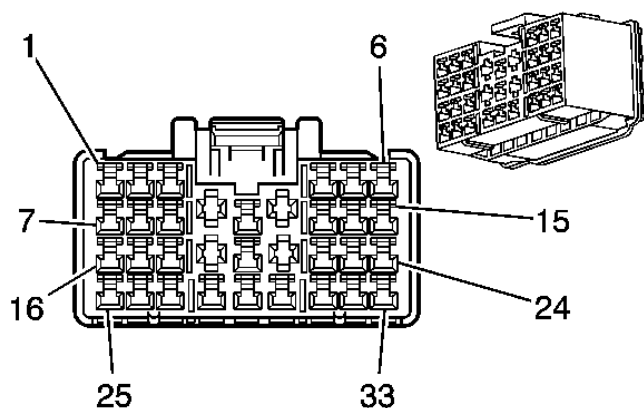
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	L-GN	200	Right Front Speaker Output (+)	1	L-GN	200	Right Front Speaker Output (+)
2	D-GN	117	Right Front Speaker Output (-)	2	D-GN	117	Right Front Speaker Output (-)
3-4	-	-	Not Used	3-4	-	-	Not Used
5	PU	167	Power Window Master Switch Passenger Front Down Signal	5	PU	167	Power Window Master Switch Passenger Front Down Signal
6	L-BU	166	Power Window Master Switch Passenger Front Up Signal	6	L-BU	166	Power Window Master Switch Passenger Front Up Signal
7	GY/BK	90	Passenger Mirror Motor Left Control	7	GY/BK	90	Passenger Mirror Motor Left Control
8	PU/WH	889	Passenger Mirror Motor Down Control	8	PU/WH	889	Passenger Mirror Motor Down Control
9	RD/WH	881	Passenger Mirror Motor Right Control	9	RD/WH	881	Passenger Mirror Motor Right Control
10	-	-	Not Used	10	-	-	Not Used
11	BK	350	Ground	11	BK	350	Ground
12	D-BU	1307	Power Window Master	12	D-BU	1307	Power Window Master

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			Switch Lockout Control				Switch Lockout Control
13-24	-	-	Not Used	13-24	-	-	Not Used
25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)	25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)
26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)	26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)
27	OG	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage	27	OG/WH	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage
28	GY	295	Door Lock Actuator Lock Control	28	GY	295	Door Lock Actuator Lock Control
29	PU	1371	Driver Door Lock Switch Signal	29	PU	1371	Driver Door Lock Switch Signal
30	PU/WH	294	Door Lock Actuator Unlock Control	30	PU/WH	294	Door Lock Actuator Unlock Control
31-33	-	-	Not Used	31-33	-	-	Not Used

X361 - FLOOR HARNESS TO RIGHT FRONT DOOR HARNESS (RHD)



Connector Part Information

- OEM: 936283-1
- Service: N/A
- Description: 33-Way F 090/JPT Series (WH)

Connector Part Information

- OEM: 936280
- Service: N/A
- Description: 33-Way M .090/JPT Series (WH)

X361 - Floor Harness to Right Front Door Harness (RHD)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
martes, 09 de enero de 2018 10:17:13 a.m.				Page 54			
				© 2011 Mitchell Repair Information Company, LLC.			

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

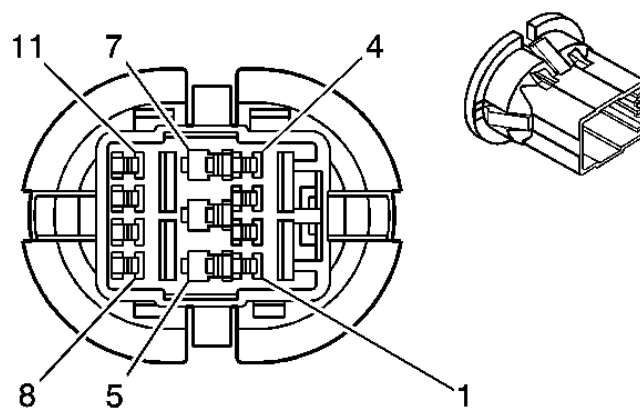
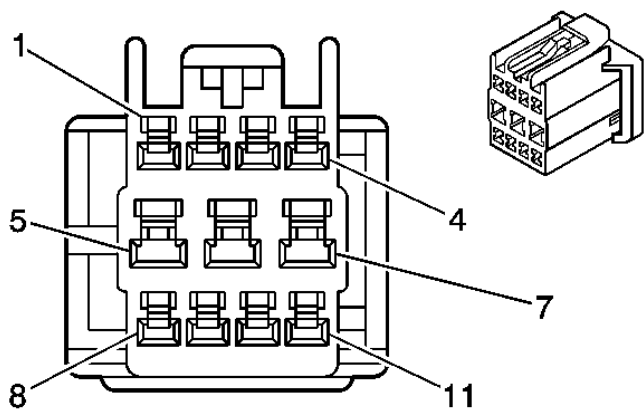
1	PU	200	Right Front Speaker Output (+)	1	PU	200	Right Front Speaker Output (+)
2	GY/WH	117	Right Front Speaker Output (-)	2	GY/WH	117	Right Front Speaker Output (-)
3	YE	356	Driver Door Lock Relay Unlock Control	3	WH	356	Driver Door Lock Relay Unlock Control
4	WH	194	Door Unlock Control	4	WH	194	Door Unlock Control
5	PU	167	Power Window Master Switch Passenger Front Down Signal	5	PU	167	Power Window Master Switch Passenger Front Down Signal
6	L-BU	166	Power Window Master Switch Passenger Front Up Signal	6	L-BU	166	Power Window Master Switch Passenger Front Up Signal
7	GY/BK	90	Passenger Mirror Motor Left Control	7	GY/BK	90	Passenger Mirror Motor Left Control
8	PU/WH	889	Passenger Mirror Motor Down Control	8	PU/WH	889	Passenger Mirror Motor Down Control
9	RD/WH	881	Passenger Mirror Motor Right Control	9	RD/WH	881	Passenger Mirror Motor Right Control
10	RD	581	Power Window Supply Voltage - Driver Door	10	RD	581	Power Window Supply Voltage - Driver Door
11	L-GN/WH	355	Driver Door Lock Relay Lock Control	11	L-GN/WH	355	Driver Door Lock Relay Lock Control
	BK	350	Ground		BK	350	Ground
12	D-BU	1307	Power Window Master Switch Lockout Control	12	D-BU	1307	Power Window Master Switch Lockout Control
13	L-BU	195	Door Lock Control	13	L-BU	195	Door Lock Control
14	PU/RD	169	Power Window Master Switch Left Rear Down Signal	14	PU/RD	169	Power Window Master Switch Left Rear Down Signal
15	D-GN	168	Power Window Master Switch Left Rear Up Signal	15	D-GN	168	Power Window Master Switch Left Rear Up Signal
16	BN	253	Trunk Release Relay Control	16	BN	253	Trunk Release Relay Control
17	OG	640	Battery Positive Voltage	17	OG	640	Battery Positive Voltage
18	BN/BK	641	Ignition 3 Voltage	18	BN	641	Ignition 3 Voltage
19	BK	350	Ground	19	BK	1150	Ground
20	BK	350	Ground	20	BK	1150	Ground
21	OG	580	Power Window Supply Voltage	21	OG	580	Power Window Supply Voltage
22	D-GN	1118	Left Speaker Output (+) Optional	22	D-GN	1118	Left Speaker Output (+) Optional
			Power Window Master				Power Window Master

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

23	PU/WH	171	Switch Right Rear Down Signal	23	PU/WH	171	Switch Right Rear Down Signal
24	L-GN	170	Power Window Master Switch Right Rear Up Signal	24	L-GN	170	Power Window Master Switch Right Rear Up Signal
25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)	25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)
26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)	26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)
27	OG	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage	27	OG	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage
28	GY	295	Door Lock Actuator Lock Control	28	GY	295	Door Lock Actuator Lock Control
29	L-GN	1370	Driver Door Lock Switch Signal	29	L-GN	1370	Driver Door Lock Switch Signal
30	PU/WH	294	Door Lock Actuator Unlock Control	30	PU/WH	294	Door Lock Actuator Unlock Control
31	PU	1201	Left Speaker Output (-) Optional	31	PU	1201	Left Speaker Output (-) Optional
32	YE/D-GN	749	Security Indicator Control (w/Alarm)	32	YE	749	Security Indicator Control (w/Alarm)
33	GY/RD	2232	Folding Mirror Switch Signal (w/Folding Mirrors)	33	GY/BK	2232	Folding Mirror Switch Signal (w/Folding Mirrors)

X371 - FLOOR HARNESS TO LEFT REAR DOOR HARNESS



2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

Connector Part Information

- OEM: 85218-1
- Service: N/A
- Description: 11-Way F 070/110 Series (WH)

Connector Part Information

- OEM: 85216
- Service: N/A
- Description: 11-Way M 070/110 Series (WH)

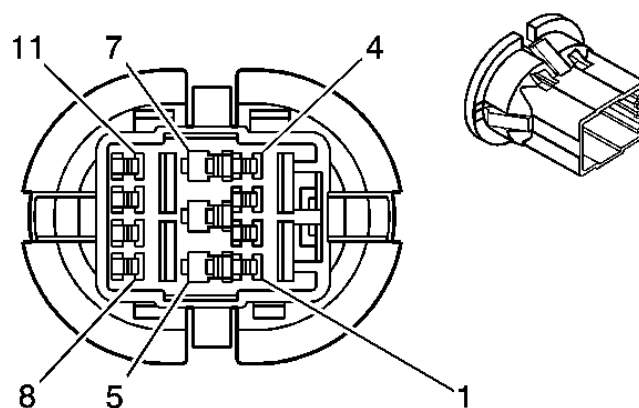
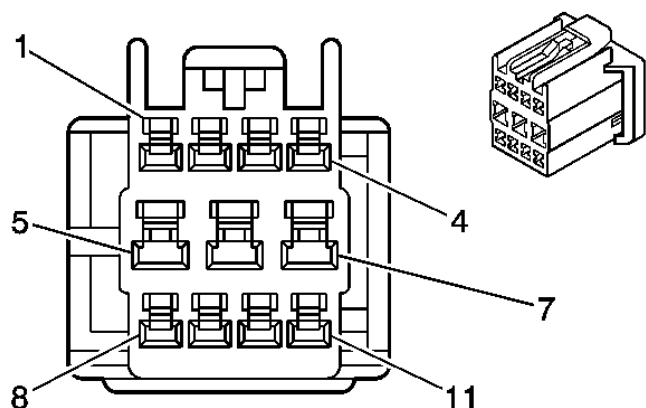
X371 - Floor Harness to Left Rear Door Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	YE	116	Left Rear Speaker Output (-)	1	D-GN	116	Left Rear Speaker Output (-)
2-3	-	-	Not Used	2-3	-	-	Not Used
4	BN	199	Left Rear Speaker Output (+)	4	BN	199	Left Rear Speaker Output (+)
	L-GN	199	Left Rear Speaker Output (+) (Except North America)				
5	D-GN	168	Power Window Master Switch Left Rear Up Signal (w/Power Windows)	5	D-GN	168	Power Window Master Switch Left Rear Up Signal (w/Power Windows)
6	D-BU	1307	Power Window Master Switch Lockout Control (w/Power Windows)	6	D-BU	1307	Power Window Master Switch Lockout Control (w/Power Windows)
7	PU/RD	169	Power Window Master Switch Left Rear Down Signal (w/Power Windows)	7	PU	169	Power Window Master Switch Left Rear Down Signal (w/Power Windows)
8	GY	295	Door Lock Actuator Lock Control	8	GY	295	Door Lock Actuator Lock Control
9	BK	1250	Ground (w/Power Windows)	9	BK	1250	Ground (w/Power Windows)
10	-	-	Not Used	10	-	-	Not Used
11	PU/WH	294	Door Lock Actuator Unlock Control	11	PU	294	Door Lock Actuator Unlock Control
	PU	294	Door Lock Actuator Unlock Control (Except North America)				

X381 - FLOOR HARNESS TO RIGHT REAR DOOR HARNESS

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 85218-1
- Service: N/A
- Description: 11-Way F 070/110 Series (WH)

Connector Part Information

- OEM: 85216
- Service: N/A
- Description: 11-Way M 070/110 Series (WH)

X381 - Floor Harness to Right Rear Door Harness

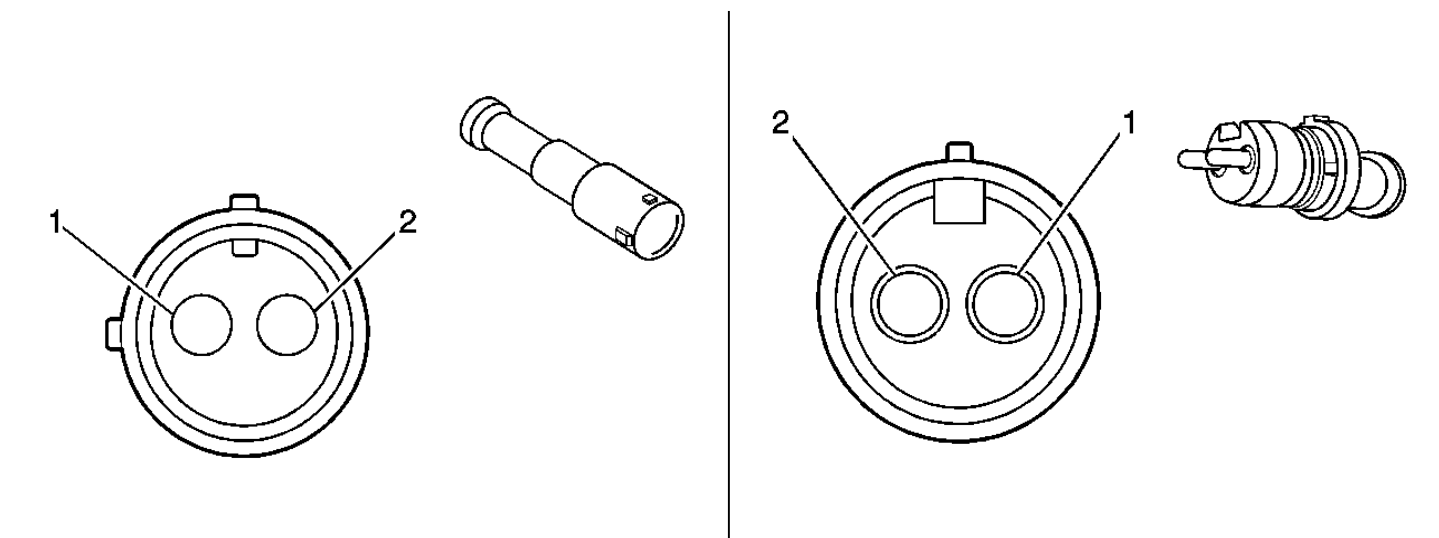
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	L-BU	115	Right Rear Speaker Output (-)	1	D-GN	115	Right Rear Speaker Output (-)
2-3	-	-	Not Used	2-3	-	-	Not Used
4	D-BU/WH	46	Right Rear Speaker Output (+)	4	BN	199	Right Rear Speaker Output (+)
5	L-GN	170	Power Window Master Switch Right Rear Up Signal (w/Power Windows)	5	D-GN	168	Power Window Master Switch Right Rear Up Signal (w/Power Windows)
6	D-BU	1307	Power Window Master Switch Lockout Control (w/Power Windows)	6	D-BU	1307	Power Window Master Switch Lockout Control (w/Power Windows)
7	PU/WH	171	Power Window Master Switch Right Rear Down Signal (w/Power Windows)	7	PU	169	Power Window Master Switch Right Rear Down Signal (w/Power Windows)
8	GY	295	Door Lock Actuator Lock Control	8	GY	295	Door Lock Actuator Lock Control
9	BK	350	Ground (w/Power Windows)	9	BK	1250	Ground (w/Power Windows)
10	-	-	Not Used	10	-	-	Not Used

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

11	PU/WH	294	Door Lock Actuator Unlock Control	11	PU	294	Door Lock Actuator Unlock Control
----	-------	-----	--------------------------------------	----	----	-----	--------------------------------------

X391 - REAR ABS HARNESS TO LEFT REAR WHEEL SPEED SENSOR JUMPER



Connector Part Information

- OEM: Bosch 2264-420424
- Service: N/A
- Description: 2-Way F (BK)

Connector Part Information

- OEM: Bosch 2264-420424
- Service: N/A
- Description: 2-Way M (BK)

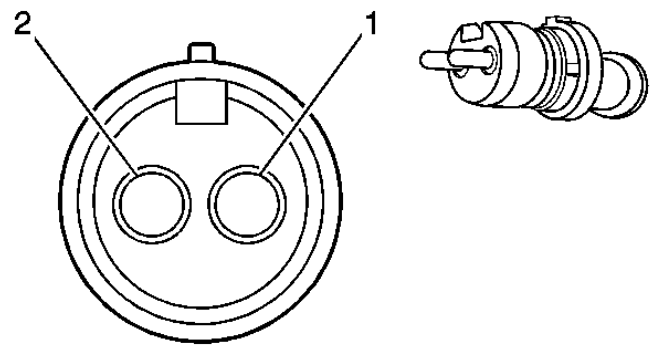
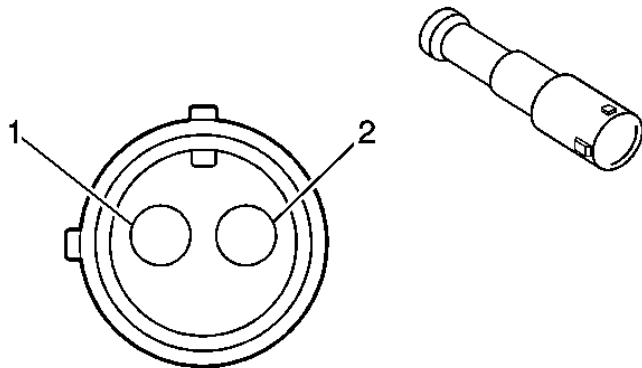
X391 - Rear ABS Harness to Left Rear Wheel Speed Sensor Jumper

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	WH	885	Left Rear Wheel Speed Sensor Signal	1	WH	885	Left Rear Wheel Speed Sensor Signal
2	GY	884	Left Rear Wheel Speed Sensor Low Reference	2	BK	884	Left Rear Wheel Speed Sensor Low Reference

X392 - REAR ABS HARNESS TO RIGHT REAR WHEEL SPEED SENSOR JUMPER

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: Bosch 2264-420424
- Service: N/A
- Description: 2-Way F (BK)

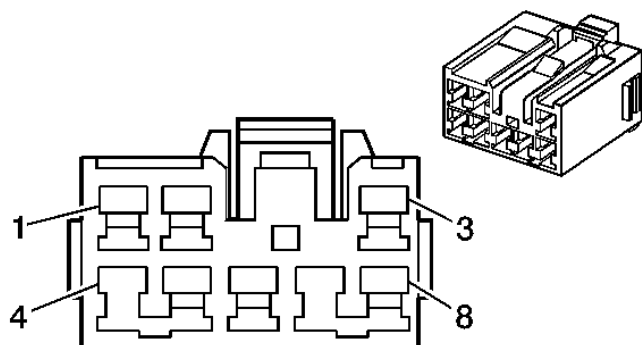
Connector Part Information

- OEM: Bosch 2264-420424
- Service: N/A
- Description: 2-Way M (BK)

X392 - Rear ABS Harness to Right Rear Wheel Speed Sensor Jumper

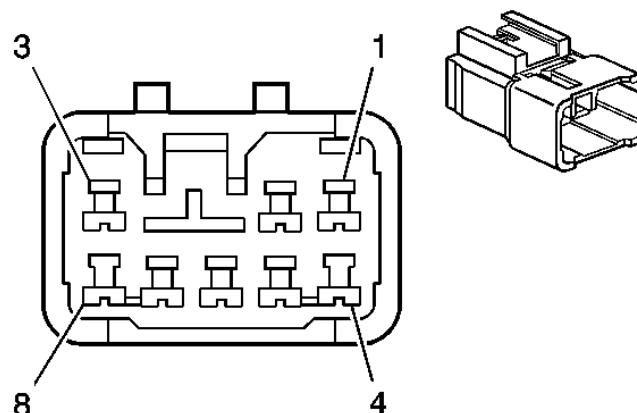
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	WH	883	Right Rear Wheel Speed Sensor Signal	1	WH	883	Right Rear Wheel Speed Sensor Signal
2	GY	882	Right Rear Wheel Speed Sensor Low Reference	2	BK	882	Right Rear Wheel Speed Sensor Return

X401 - TRUNK HARNESS TO FLOOR HARNESS (HATCHBACK)



2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

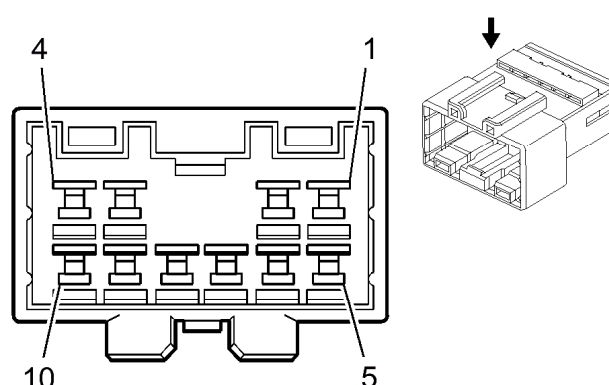
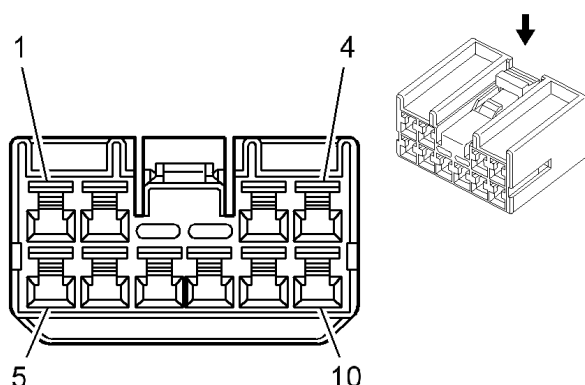
- OEM: MG651050
- Service: N/A
- Description: 8-Way F 090-II Series (WH)

Connector Part Information

- OEM: MG641053
- Service: N/A
- Description: 8-Way M 090-II Series (WH)

X401 - Trunk Harness to Floor Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	L-BU/PU	1986	EVAP Canister Vent Solenoid Control (North America)	1	L-BU/PU	1986	EVAP Canister Vent Solenoid Control
2	-	-	Not Used	2	-	-	Not Used
3	YE	20	Stop Lamp Supply Voltage	3	L-BU	20	Stop Lamp Supply Voltage
4	PK/BK	1846	Ignition 1 Voltage (North America)	4	PK/BK	1846	Ignition 1 Voltage
5	D-BU	15	Right Turn Signal Lamp Supply Voltage	5	D-BU	15	Right Turn Signal Lamp Supply Voltage
6	L-BU	14	Left Turn Signal Lamp Supply Voltage	6	L-BU/BK	14	Left Turn Signal Lamp Supply Voltage
7	PU	709	Left Park Lamp Supply Voltage	7	PU/BK	709	Left Park Lamp Supply Voltage
	PU	709	Left Park Lamp Supply Voltage				
8	BN/WH	309	Right Park Lamp Supply Voltage	8	BN/WH	309	Right Park Lamp Supply Voltage
	BN/WH	309	Right Park Lamp Supply Voltage				

X401 - TRUNK HARNESS TO FLOOR HARNESS (NOTCHBACK)

Connector Part Information

- OEM: 936233
- Service: N/A
- Description: 10-Way F 090III Series (WH)

Connector Part Information

- OEM: 936242-1
- Service: N/A
- Description: 10-Way M 090III Series (WH)

X401 - Trunk Harness to Floor Harness (Notchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	D-BU	15	Right Turn Signal Lamp Supply Voltage	1	D-BU	15	Right Turn Signal Lamp Supply Voltage
2	BN/WH	309	Right Park Lamp Supply Voltage	2	BN/WH	309	Right Park Lamp Supply Voltage
3	YE	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal	3	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal
4	PU	709	Left Park Lamp Supply Voltage	4	PU/WH	709	Left Park Lamp Supply Voltage
5	L-BU	14	Left Turn Signal Lamp Supply Voltage	5	L-BU/BK	14	Left Turn Signal Lamp Supply Voltage
6	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)	6	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)
7	L-GN	24	Backup Lamp Supply Voltage	7	L-GN	24	Backup Lamp Supply Voltage
8	L-BU/PU	1986	EVAP Canister Vent Solenoid Control (North America)	8	L-BU/PU	1986	EVAP Canister Vent Solenoid Control (North America)
9	PK/BK	1846	Ignition 1 Voltage (North America)	9	PK/BK	1846	Ignition 1 Voltage (North America)

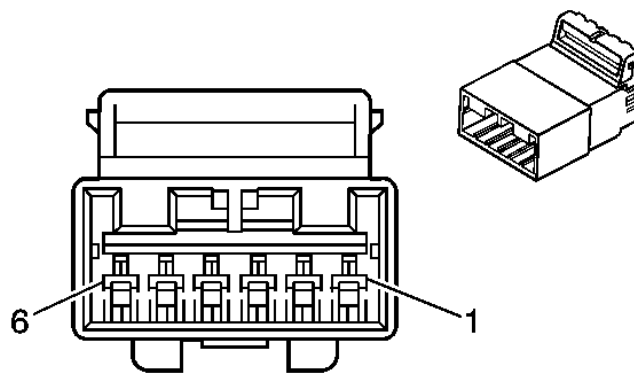
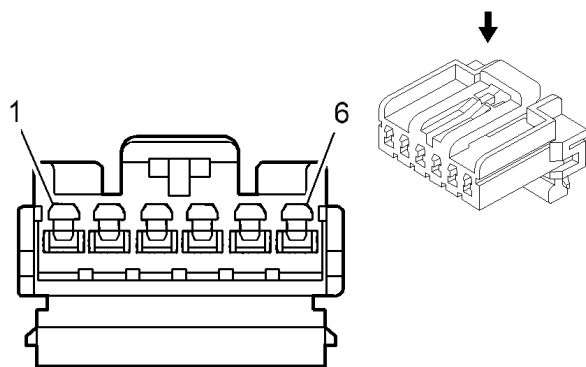
2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

10 | YE/BK | 2001 | GPS (Optional)

10 | YE/BK | 2001 | GPS (Optional)

X402 - TRUNK LID HARNESS TO FLOOR HARNESS



Connector Part Information

- OEM: 174923
- Service: N/A
- Description: 6-Way F 070 Multi Lock Series (WH)

Connector Part Information

- OEM: 174930
- Service: N/A
- Description: 6-Way M .070 SRS MLC Series (WH)

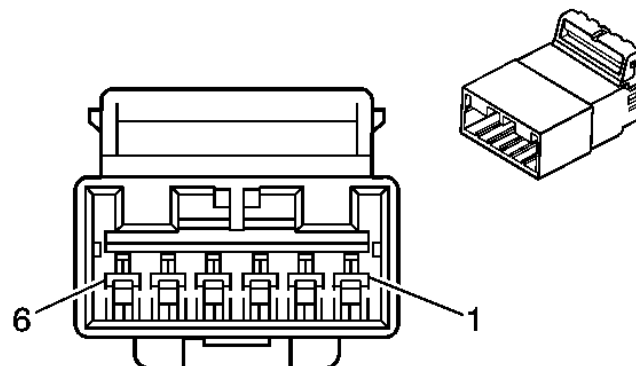
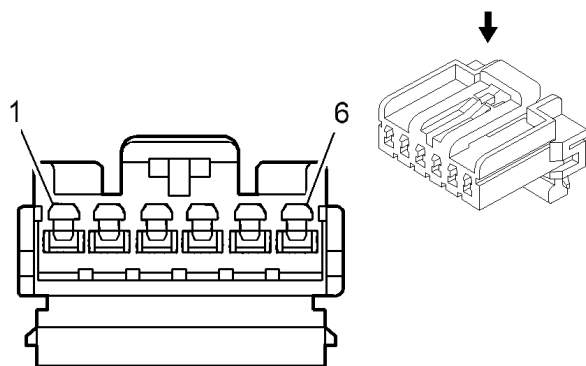
X402 - Trunk Lid Harness to Floor Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	L-BU	263	Rear Compartment Lid Ajar Switch Signal (w/RKE)	1	L-BU	263	Rear Compartment Lid Ajar Switch Signal (w/RKE)
2	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal	2	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal
3	BK	1250	Ground	3	BK	1250	Ground
4	PU	709	Left Park Lamp Supply Voltage	4	PU/BK PU/WH	709	Left Park Lamp Supply Voltage
5	BN	253	Trunk Release Relay Control	5	BN	253	Trunk Release Relay Control
6	PK/BK	1303	Rear Compartment Lid Ajar Switch Signal (w/RKE)	6	PK/BK	1303	Rear Compartment Lid Ajar Switch Signal (w/RKE)

X403 - LIFTGATE JUMPER HARNESS TO FLOOR HARNESS (STATION WAGON)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 651038
- Service: N/A
- Description: 4-Way F 070 Multi Lock Series (WH)

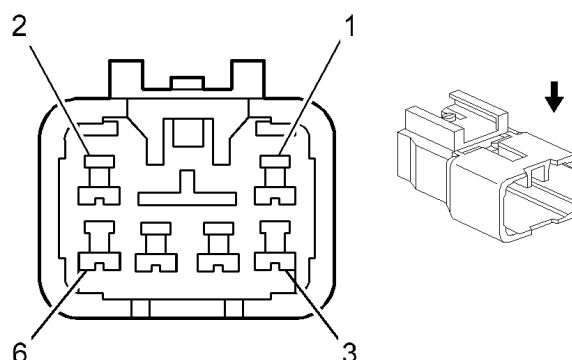
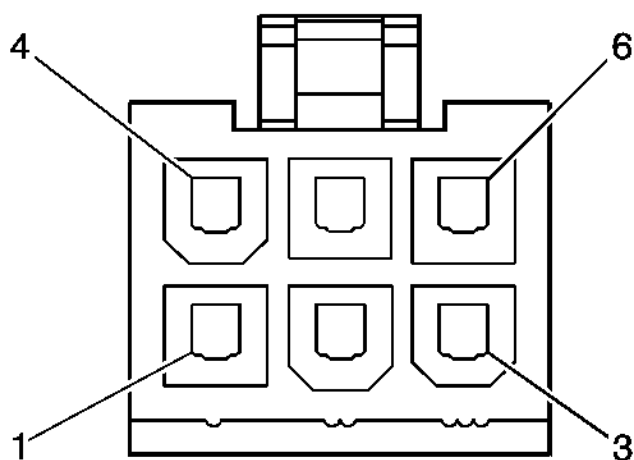
Connector Part Information

- OEM: 641041
- Service: N/A
- Description: 4-Way M .070 SRS MLC Series (WH)

X403 - Liftgate Jumper Harness to Floor Harness (Station Wagon)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	750	Ground	1	BK	750	Ground
2	BK	750	Ground	2	BK	750	Ground
3	PU	293	Rear Compartment Lid Ajar Switch Signal (w/RKE)	3	PU	293	Rear Compartment Lid Ajar Switch Signal (w/RKE)
4	-	-	Not Used	4	-	-	Not Used

X403 - LIFTGATE JUMPER HARNESS TO FLOOR HARNESS (HATCHBACK)



Connector Part Information

- OEM: MG651044
- Service: N/A
- Description: 6-Way F 090 II Series (WH)

Connector Part Information

- OEM: MG641047
- Service: N/A
- Description: 6-Way M 090-II Series (WH)

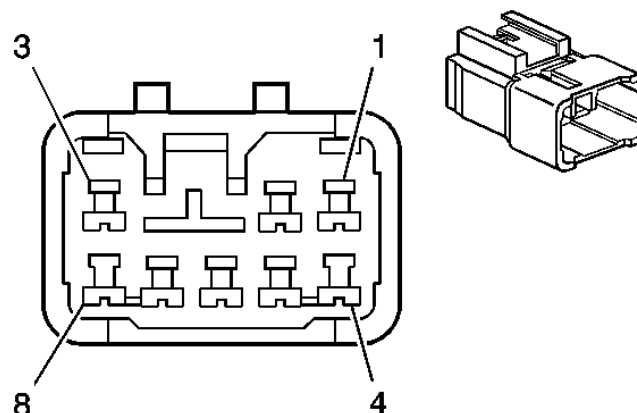
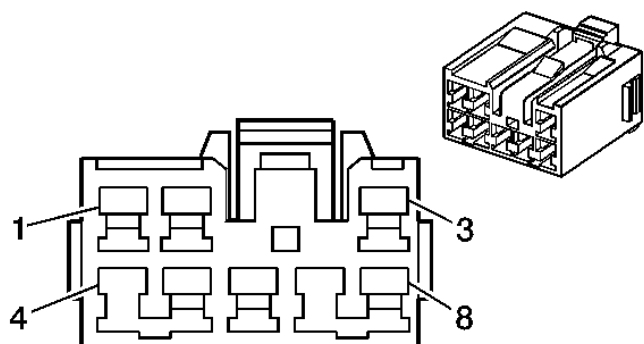
X403 - Liftgate Jumper Harness to Floor Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	PU/WH	709	Left Park Lamp Supply Voltage
2	-	-	Not Used	2	-	-	Not Used
3	L-GN	24	Backup Lamp Supply Voltage	3	L-GN	24	Backup Lamp Supply Voltage
4	-	-	Not Used	4	-	-	Not Used
5	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal	5	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal
6	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)	6	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)

X404 - LIFTGATE JUMPER HARNESS TO FLOOR HARNESS (STATION WAGON)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: MG651050
- Service: N/A
- Description: 8-Way F 090-II Series (WH)

Connector Part Information

- OEM: MG641053
- Service: N/A
- Description: 8-Way M 090-II Series (WH)

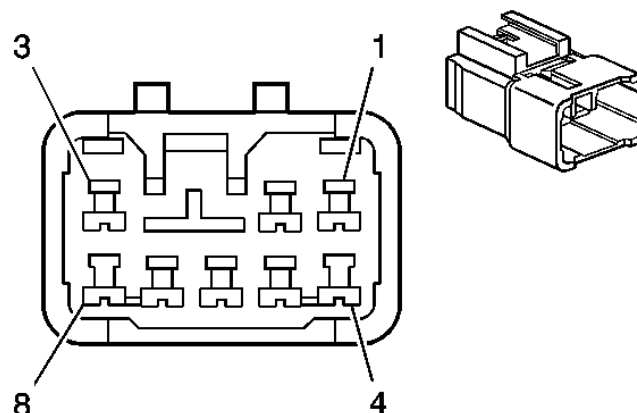
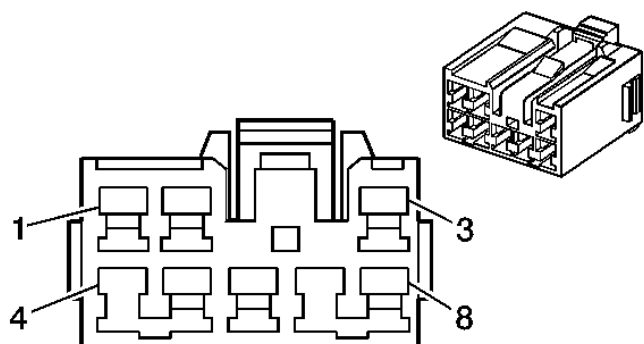
X404 - Liftgate Jumper Harness to Floor Harness (Station Wagon)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	WH	393	Rear Window Wiper Motor Control	1	WH	393	Rear Window Wiper Motor Control
2	BN	441	Ignition 3 Voltage	2	RD/D-BU	441	Ignition 3 Voltage
3	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal	3	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal
4	PK/BK	1303	Liftgate Switch Signal (w/RKE)	4	PK/BK	1303	Liftgate Switch Signal (w/RKE)
5	L-BU	263	Rear Compartment Lid Ajar Switch (w/RKE)	5	L-BU	263	Rear Compartment Lid Ajar Switch (w/RKE)
6	PU	294	Door Lock Actuator Unlock Control	6	PU	294	Door Lock Actuator Unlock Control
7	GY	295	Door Lock Actuator Lock Control	7	GY	295	Door Lock Actuator Lock Control
8	PU	709	Left Park Lamp Supply Voltage	8	PU	709	Left Park Lamp Supply Voltage

X404 - LIFTGATE JUMPER HARNESS TO FLOOR HARNESS (HATCHBACK)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: MG651050
- Service: N/A
- Description: 8-Way F 090-II Series (WH)

Connector Part Information

- OEM: MG641053
- Service: N/A
- Description: 8-Way M 090-II Series (WH)

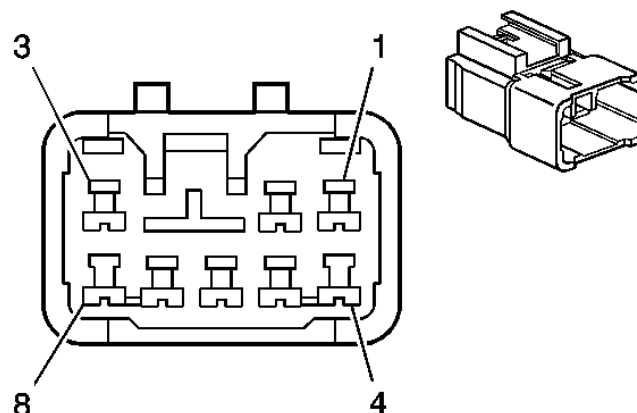
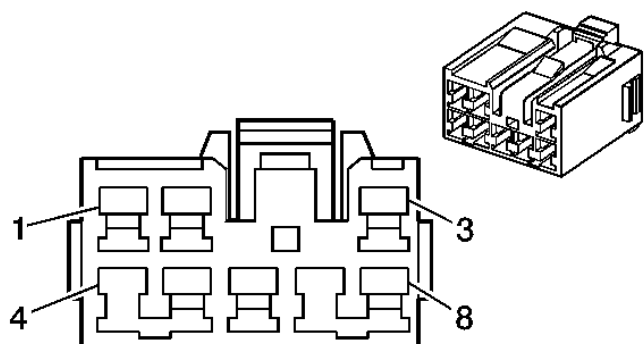
X404 - Liftgate Jumper Harness to Floor Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	294	Door Lock Actuator Unlock Control	1	PU/WH	294	Door Lock Actuator Unlock Control
2	GY	295	Door Lock Actuator Lock Control	2	GY	295	Door Lock Actuator Lock Control
3	L-BU	263	Rear Compartment Lid Ajar Switch (w/RKE)	3	L-BU	263	Rear Compartment Lid Ajar Switch (w/RKE)
4	PK/BK	1303	Liftgate Switch Signal (w/RKE)	4	PK/BK	1303	Liftgate Switch Signal (w/RKE)
5	BN	441	Ignition 3 Voltage	5	RD/D-BU	441	Ignition 3 Voltage
6	WH	393	Rear Window Wiper Motor Control	6	WH	393	Rear Window Wiper Motor Control
7	PU D-GN	293	Rear Defog Element Supply Voltage	7	PU	293	Rear Defog Element Supply Voltage
8	-	-	Not Used	8	-	-	Not Used

X405 - LIFTGATE JUMPER HARNESS TO LIFTGATE HARNESS (W/O REAR INTERMITTENT)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: MG651050
- Service: N/A
- Description: 8-Way F 090-II Series (WH)

Connector Part Information

- OEM: MG641053
- Service: N/A
- Description: 8-Way M 090-II Series (WH)

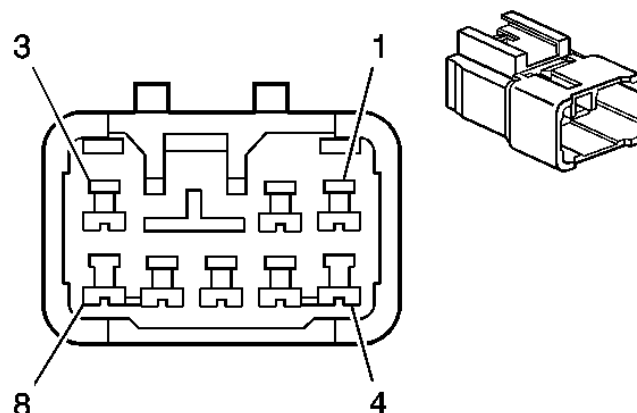
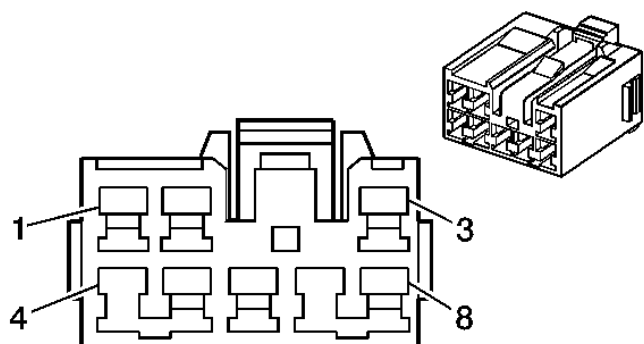
X405 - Liftgate Jumper Harness to Liftgate Harness (w/o Rear Intermittent)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	PU	709	Left Park Lamp Supply Voltage
2	BK	750	Ground	2	BK	750	Ground
3	BK	750	Ground	3	BK	750	Ground
4	PK/BK	1303	Liftgate Switch Signal	4	PK/BK	1303	Liftgate Switch Signal
5	L-BU	20	Stop Lamp Supply Voltage	5	L-BU	20	Stop Lamp Supply Voltage
6	BN	441	Ignition 3 Voltage	6	PK	441	Ignition 3 Voltage
7	WH	393	Rear Window Wiper Motor Control	7	WH	393	Rear Window Wiper Motor Control
8	BK	750	Ground	8	BK	750	Ground

X405 - LIFTGATE JUMPER HARNESS TO LIFTGATE HARNESS

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: MG651050
- Service: N/A
- Description: 8-Way F 090-II Series (WH)

Connector Part Information

- OEM: MG641053
- Service: N/A
- Description: 8-Way M 090-II Series (WH)

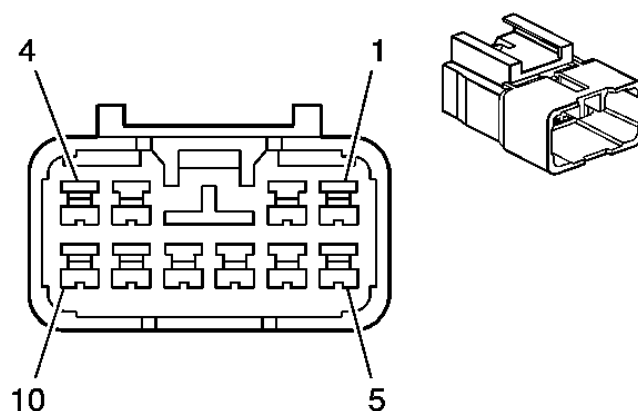
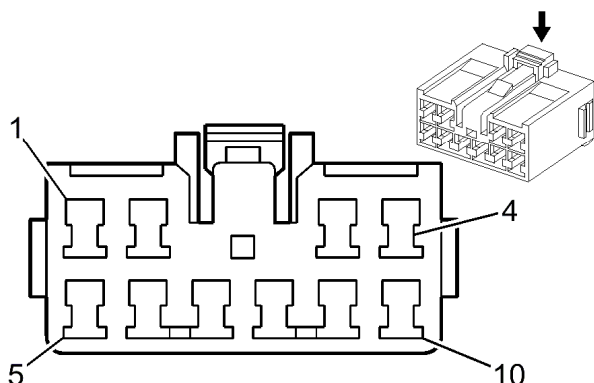
X405 - Liftgate Jumper Harness to Liftgate Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	WH	393	Rear Window Wiper Motor Control	1	WH	393	Rear Window Wiper Motor Control
2	BN	441	Ignition 3 Voltage	2	RD/BU	441	Ignition 3 Voltage
3	L-BU	20	Stop Lamp Supply Voltage	3	L-BU	20	Stop Lamp Supply Voltage
4	PK/BK	1303	Liftgate Switch Signal	4	PK/BK	1303	Liftgate Switch Signal
5	L-BU	263	Rear Compartment Lid Ajar Switch	5	L-BU	263	Rear Compartment Lid Ajar Switch
6	PU	294	Door Lock Actuator Unlock Control	6	PU	294	Door Lock Actuator Unlock Control
7	GY	295	Door Lock Actuator Lock Control	7	GY	295	Door Lock Actuator Lock Control
8	PU	709	Left Park Lamp Supply Voltage	8	PU	709	Left Park Lamp Supply Voltage

X405 - LIFTGATE JUMPER HARNESS TO LIFTGATE HARNESS (HATCHBACK W/REAR INTERMITTENT)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 936092
- Service: N/A
- Description: 10-Way F 090III Series (WH)

Connector Part Information

- OEM: 636129
- Service: N/A
- Description: 10-Way M 090III Series (WH)

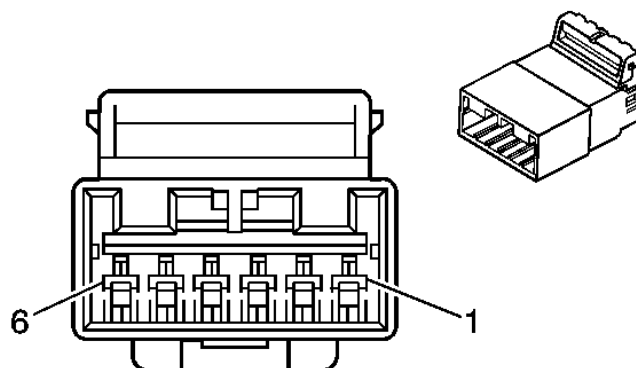
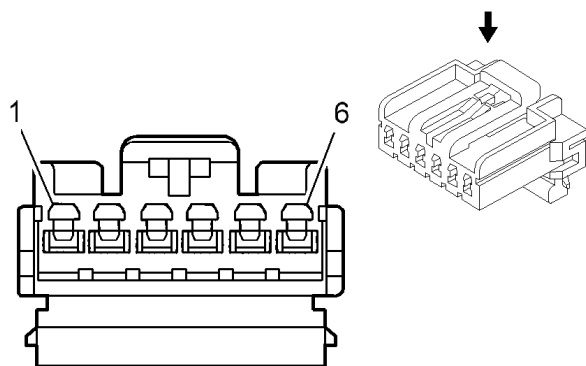
X405 - Liftgate Jumper Harness to Liftgate Harness (Hatchback w/Rear Intermittent)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	PU	709	Left Park Lamp Supply Voltage
2	BK	750	Ground	2	BK	750	Ground
3	BK	750	Ground	3	BK	750	Ground
4	D-GN	392	Rear Washer Switch Signal	4	D-GN	392	Rear Washer Switch Signal
5	L-GN	24	Backup Lamp Supply Voltage	5	L-GN	24	Backup Lamp Supply Voltage
6	L-BU	20	Stop Lamp Supply Voltage	6	L-BU	20	Stop Lamp Supply Voltage
7	BN	441	Ignition 3 Voltage	7	BN	441	Ignition 3 Voltage
8	WH	393	Rear Window Wiper Motor Control	8	WH	393	Rear Window Wiper Motor Control
9	BK	750	Ground	9	BK	750	Ground
10	-	-	Not Used	10	-	-	Not Used

X406 - LIFTGATE JUMPER HARNESS TO LIFTGATE HARNESS (HATCHBACK)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: 936230-1
- Service: N/A
- Description: 6-Way F 090 II Series (WH)

Connector Part Information

- OEM: MG641047
- Service: N/A
- Description: 6-Way M 090-II Series (WH)

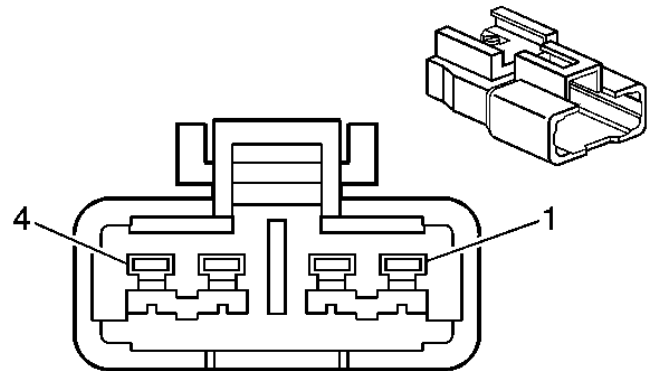
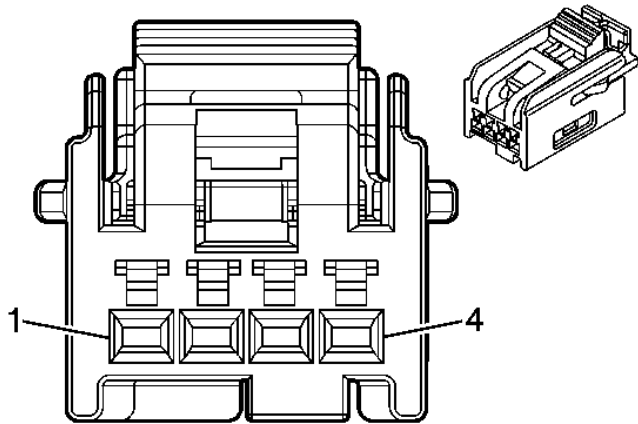
X406 - Liftgate Jumper Harness to Liftgate Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)	1	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)
2	PK/BK	1303	Rear Compartment Lid Ajar Switch Signal (w/RKE)	2	PK/BK	1303	Rear Compartment Lid Ajar Switch Signal (w/RKE)
3	D-GN	293	Rear Defog Element Supply Voltage	3	D-GN	293	Rear Defog Element Supply Voltage
				3	PU	293	Rear Defog Element Supply Voltage (North America)
4	L-BU	263	Rear Compartment Lid Ajar Switch Signal (w/RKE)	4	L-BU	263	Rear Compartment Lid Ajar Switch Signal (w/RKE)
5	PU	294	Door Unlock Actuator Control	5	PU	294	Door Unlock Actuator Control
6	GY	295	Door Lock Actuator Control	6	GY	295	Door Lock Actuator Control

X406 - LIFTGATE JUMPER HARNESS TO LIFTGATE HARNESS (STATION WAGON)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: MG651038
- Service: N/A
- Description: 4-Way F 090 II Series (WH)

Connector Part Information

- OEM: MG641041
- Service: N/A
- Description: 4-Way M 090-II Series (WH)

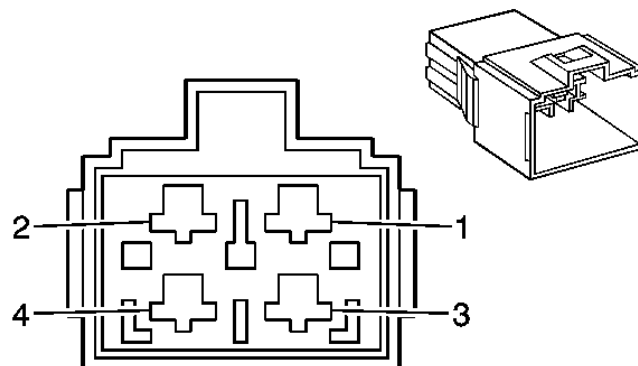
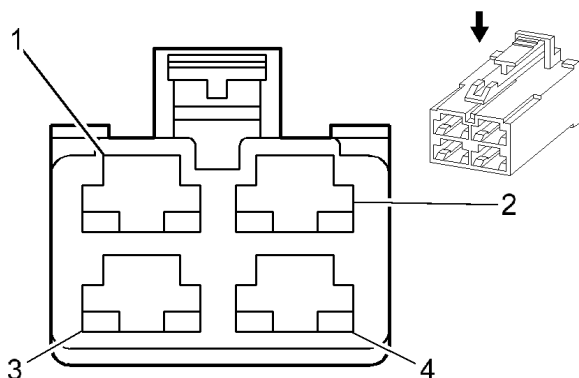
X406 - Liftgate Jumper Harness to Liftgate Harness (Station Wagon)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	750	Ground	1	BK	750	Ground
2	BK	750	Ground	2	BK	750	Ground
3	PU	293	Rear Defog Element Supply Voltage	3	PU	293	Rear Defog Element Supply Voltage
4	-	-	Not Used	4	-	-	Not Used

X407 - TRUNK HARNESS TO LEFT TAIL LAMP JUMPER HARNESS (HATCHBACK)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: MG610047
- Service: N/A
- Description: 4-Way F 250 Series (WH)

Connector Part Information

- OEM: MG620046
- Service: N/A
- Description: 4-Way M 250 Series (WH)

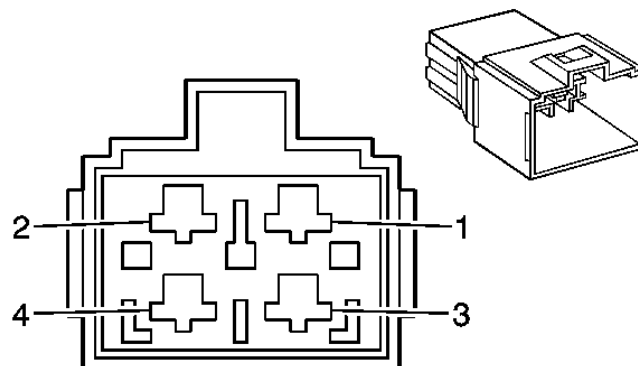
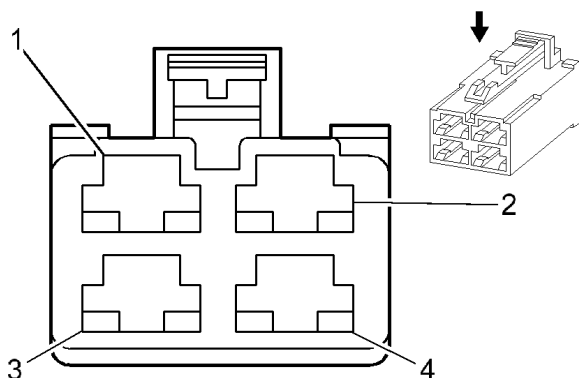
X407 - Trunk Harness to Left Tail Lamp Jumper Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	PU WH/D-BU (North America)	709	Left Park Lamp Supply Voltage
2	YE	20	Stop Lamp Switch Signal	2	YE RD (North America)	20	Stop Lamp Switch Signal
3	BK	550	Ground	3	BK BK	550	Ground
4	L-BU	14	Left Turn Signal Lamps Supply Voltage	4	YE	14	Left Turn Signal Lamps Supply Voltage

X408 - TRUNK HARNESS TO RIGHT TAIL LAMP JUMPER HARNESS (HATCHBACK)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: MG610047
- Service: N/A
- Description: 4-Way F 250 Series (WH)

Connector Part Information

- OEM: MG620046
- Service: N/A
- Description: 4-Way M 250 Series (WH)

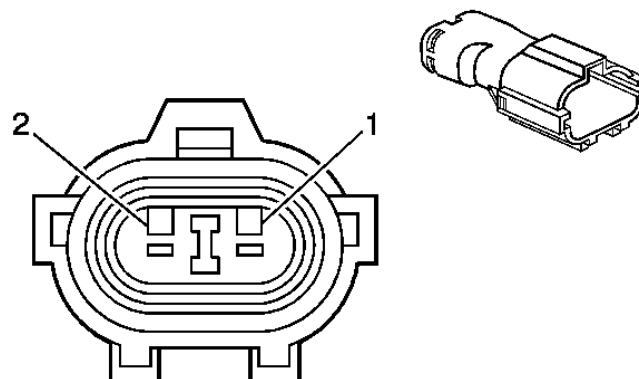
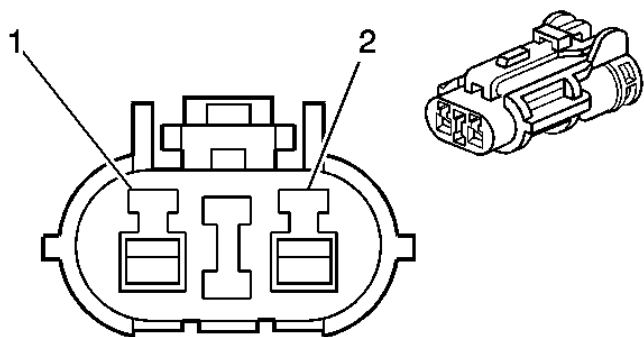
X408 - Trunk Harness to Right Tail Lamp Jumper Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN/WH	309	Right Park Lamp Supply Voltage	1	WH/D-GN	309	Right Park Lamp Supply Voltage
2	YE	20	Stop Lamp Switch Signal	2	RD	20	Stop Lamp Switch Signal
3	BK	550	Ground	3	BK	550	Ground
					BK/WH (North America)	550	Ground
4	D-BU	15	Right Turn Signal Lamps Supply Voltage	4	YE	15	Right Turn Signal Lamps Supply Voltage

X417 - TRUNK HARNESS TO LEFT SIDE MARKER LAMP JUMPER HARNESS

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: MG610320
- Service: N/A
- Description: 2-Way F SWP Series (BK)

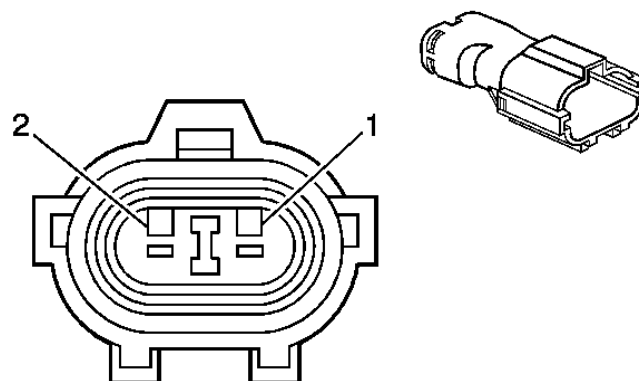
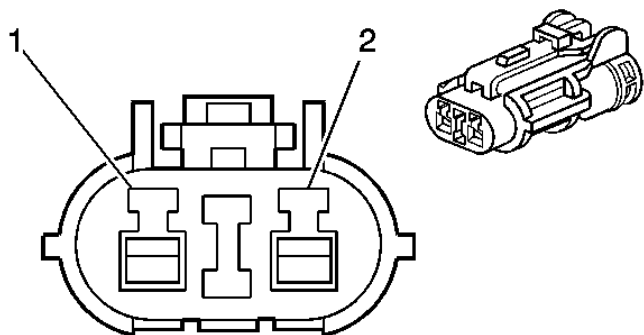
Connector Part Information

- OEM: MG640322
- Service: N/A
- Description: 2-Way M SWP Series (BK)

X417 - Trunk Harness to Left Side Marker Lamp Jumper Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	WH	709	Left Park Lamp Supply Voltage
2	BK	550	Ground	2	BK	550	Ground

X418 - TRUNK HARNESS TO RIGHT SIDE MARKER LAMP JUMPER HARNESS



2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

Connector Part Information

- OEM: MG610320
- Service: N/A
- Description: 2-Way F SWP Series (BK)

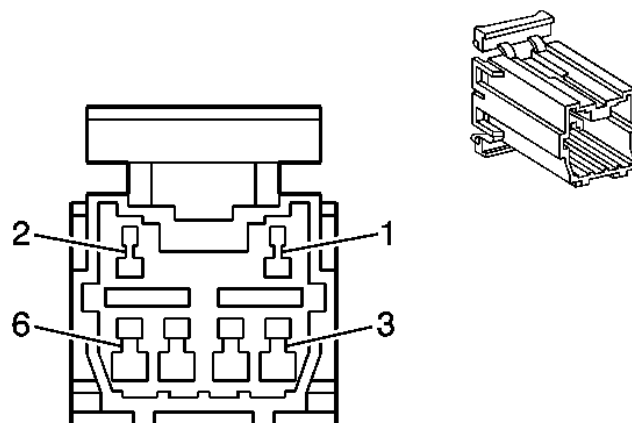
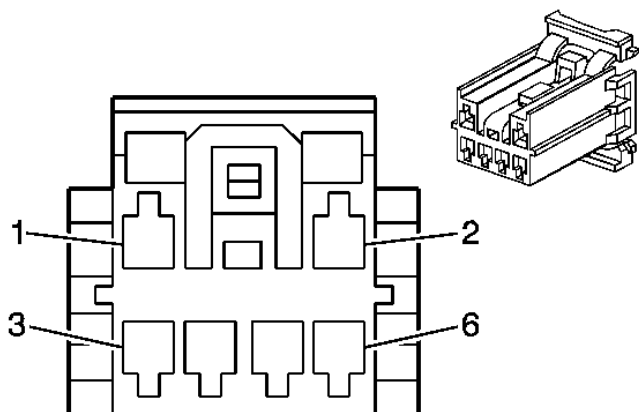
Connector Part Information

- OEM: MG640322
- Service: N/A
- Description: 2-Way M SWP Series (BK)

X418 - Trunk Harness to Right Side Marker Lamp Jumper Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN/WH	309	Right Park Lamp Supply Voltage	1	WH	309	Right Park Lamp Supply Voltage
2	BK	550	Ground	2	BK	550	Ground

X420 - TAILGATE HARNESS TO RIGHT BACKUP LAMP/TAIL LAMP JUMPER HARNESS (HATCHBACK)



Connector Part Information

- OEM: MG610398
- Service: N/A
- Description: 6-Way F SDL Series (WH)

Connector Part Information

- OEM: MG620401
- Service: N/A
- Description: 6-Way M Connector (WH)

X420 - Tailgate Harness to Right Backup Lamp/Tail Lamp Jumper Harness (Hatchback)

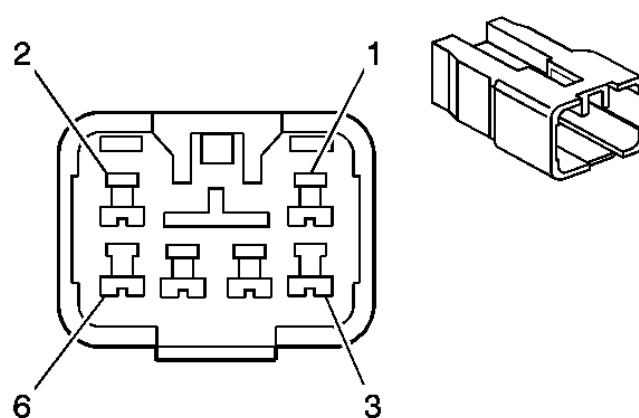
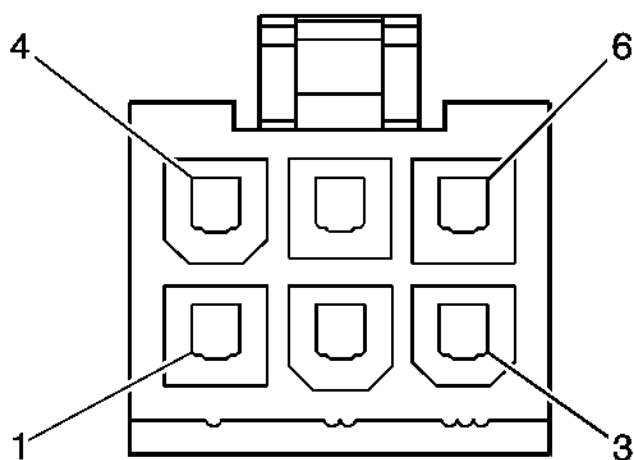
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	750	Ground	1	BK/WH	550	Ground
2	BK	750	Ground	2	BK	550	Ground
3	L-GN	24	Backup Lamp Supply Voltage	3	WH	24	Backup Lamp Supply Voltage

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

4	RD	122	Rear Fog Lamp Supply Voltage (Except North America)	4	RD	122	Rear Fog Lamp Supply Voltage (Except North America)
5	L-BU	20	Stop Lamp Switch Signal	5	RD	20	Stop Lamp Switch Signal
6	PU	709	Park Lamp	6	WH/D-GN	709	Park Lamp

X420 - TAILGATE HARNESS TO RIGHT BACKUP LAMP/TAIL LAMP JUMPER HARNESS (NOTCHBACK)



Connector Part Information

- OEM: MG651044
- Service: N/A
- Description: 6-Way F 090 II Series

Connector Part Information

- OEM: MG642449
- Service: N/A
- Description: 6-Way M 090 II Serie

X420 - Tailgate Harness to Right Backup Lamp/Tail Lamp Jumper Harness (Notchback)

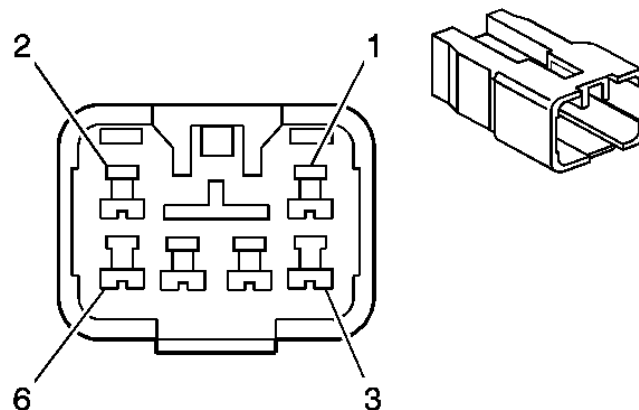
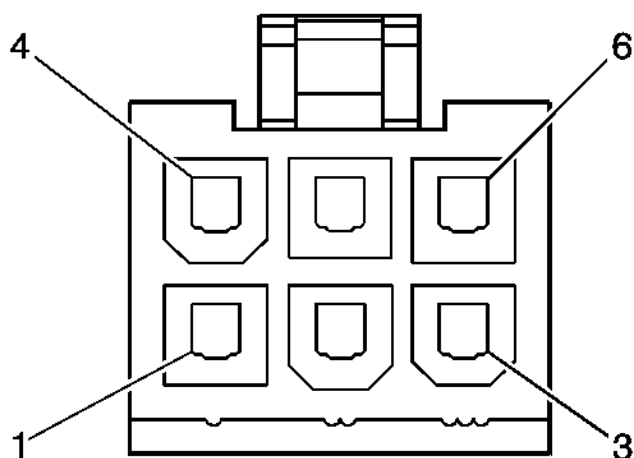
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	RD	122	Rear Fog Lamp Supply Voltage	1	WH	122	Rear Fog Lamp Supply Voltage
2	BK	550	Ground	2	BK	550	Ground
3	L-GN	24	Backup Lamp Supply Voltage	3	WH	24	Backup Lamp Supply Voltage
4	D-BU	15	Left Turn Signal Lamps Supply Voltage	4	YE	15	Left Turn Signal Lamps Supply Voltage

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

5	BN/WH	309	Left Park Lamp Supply Voltage	5	WH/BK	309	Left Park Lamp Supply Voltage
6	YE	20	Stop Lamp Switch Signal	6	RD	20	Stop Lamp Switch Signal

X421 - TAILGATE HARNESS TO LEFT BACKUP LAMP/TAIL LAMP JUMPER HARNESS (NOTCHBACK)



Connector Part Information

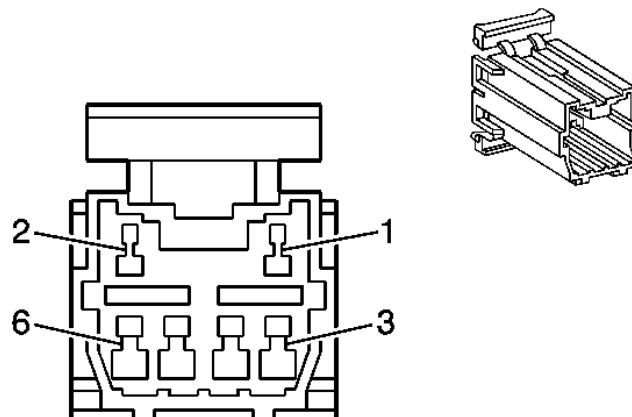
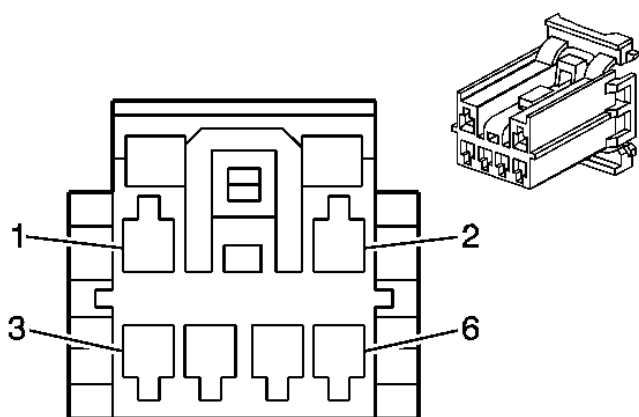
- OEM: MG651044
- Service: N/A
- Description: 6-Way F 090 II Series

Connector Part Information

- OEM: MG642449
- Service: N/A
- Description: 6-Way M 090 II Series

X421 - Tailgate Harness to Left Backup Lamp/Tail Lamp Jumper Harness (Notchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	RD	122	Rear Fog Lamp Supply Voltage	1	RD	122	Rear Fog Lamp Supply Voltage
2	BK	550	Ground	2	BK	550	Ground
3	L-GN	24	Backup Lamp Supply Voltage	3	WH	24	Backup Lamp Supply Voltage
4	L-BU	14	Left Turn Signal Lamps Supply Voltage	4	L-BU	14	Left Turn Signal Lamps Supply Voltage
5	PU	709	Left Park Lamp Supply Voltage	5	WH/D-GN	709	Left Park Lamp Supply Voltage
6	YE	20	Stop Lamp Switch Signal	6	YE	20	Stop Lamp Switch Signal

X421 - TAILGATE HARNESS TO LEFT BACKUP LAMP AND TAIL LAMP JUMPER HARNESS (HATCHBACK)

Connector Part Information

- OEM: MG610398
- Service: N/A
- Description: 6-Way F SDL Series (WH)

Connector Part Information

- OEM: MG620401
- Service: N/A
- Description: 6-Way M Connector (WH)

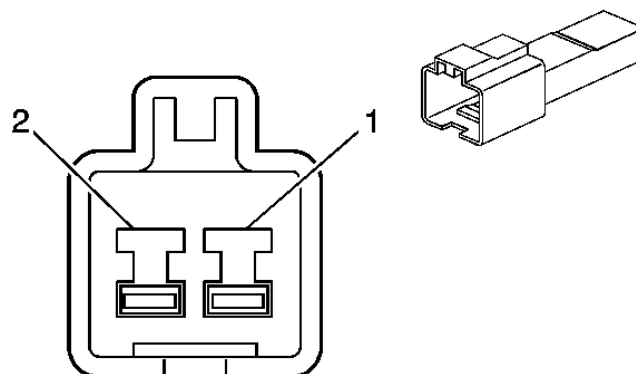
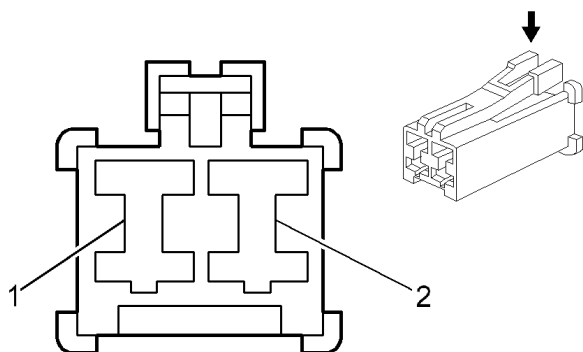
X421 - Tailgate Harness to Left Backup Lamp and Tail Lamp Jumper Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	750	Ground	1	BK/WH	550	Ground
2	BK	750	Ground	2	BK	550	Ground
3	L-GN	24	Backup Lamp Supply Voltage	3	WH	24	Backup Lamp Supply Voltage
4	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)	4	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)
5	L-BU	20	Stop Lamp Switch Signal	5	RD	20	Stop Lamp Switch Signal
6	PU	709	Park Lamp	6	WH/D-GN	709	Park Lamp

X422 TAILGATE HARNESS TO LICENSE LAMPS JUMPER HARNESS (HATCHBACK)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: MG610489
- Service: N/A
- Description: 2-Way F 090 (2.3 mm) Series (WH)

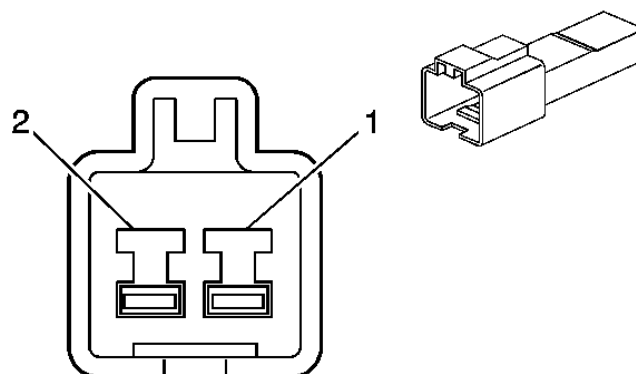
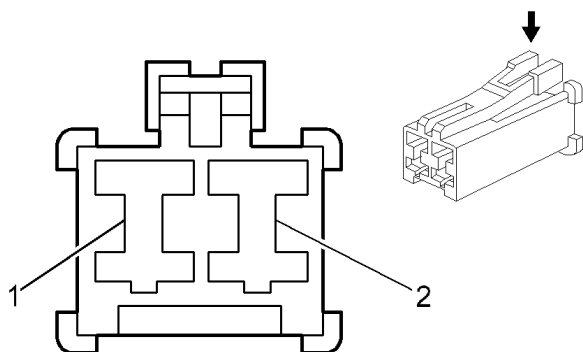
Connector Part Information

- OEM: MG620490
- Service: N/A
- Description: 2-Way M 090 (2.3 mm) Series (WH)

X422 Tailgate Harness to License Lamps Jumper Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	750	Ground	1	WH	750	Ground
2	PU	709	Left Park Lamp Supply Voltage	2	BK	709	Left Park Lamp Supply Voltage

X422 TAILGATE HARNESS TO LICENSE LAMPS JUMPER HARNESS (NOTCHBACK)



2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

Connector Part Information

- OEM: MG610489
- Service: N/A
- Description: 2-Way F 090 (2.3 mm) Series (WH)

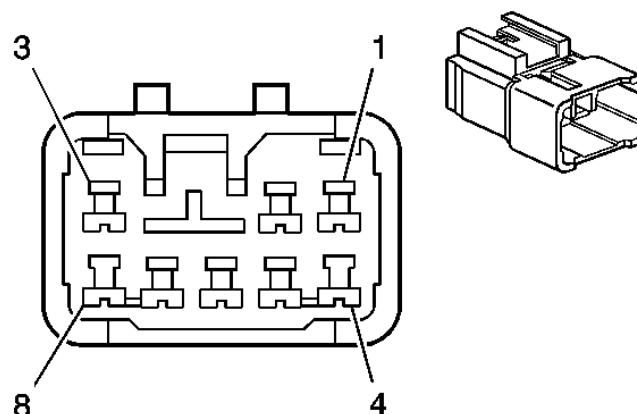
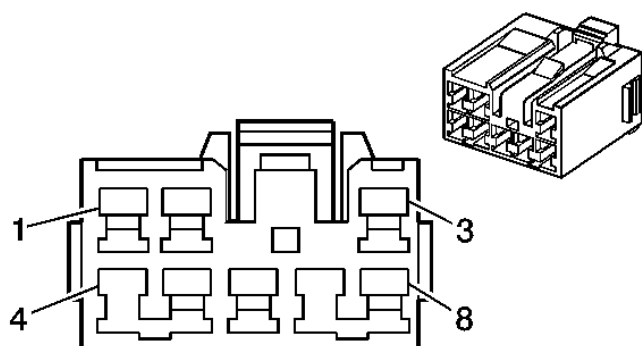
Connector Part Information

- OEM: MG620490
- Service: N/A
- Description: 2-Way M 090 (2.3 mm) Series (WH)

X422 Tailgate Harness to License Lamps Jumper Harness (Notchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	BK	709	Left Park Lamp Supply Voltage
2	BK	1250	Ground	2	WH	1250	Ground

X423 - FLOOR HARNESS TO LEFT BACKUP LAMP/TAIL LAMP JUMPER HARNESS (OPTIONAL)



Connector Part Information

- OEM: MG651050
- Service: N/A
- Description: 8-Way F 090-II Series (WH)

Connector Part Information

- OEM: MG641053
- Service: N/A
- Description: 8-Way M 090-II Series (WH)

X423 - Floor Harness to Left Backup Lamp/Tail Lamp Jumper Harness (Optional)

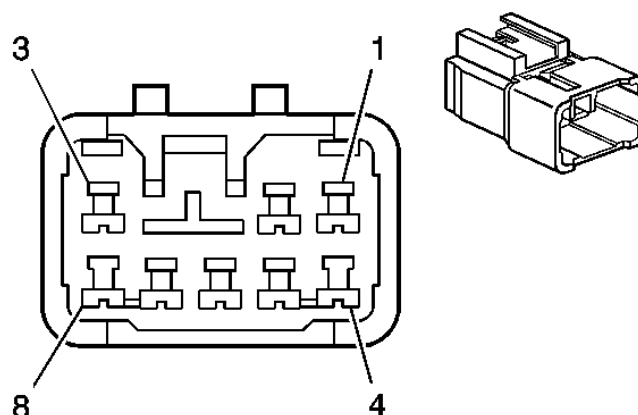
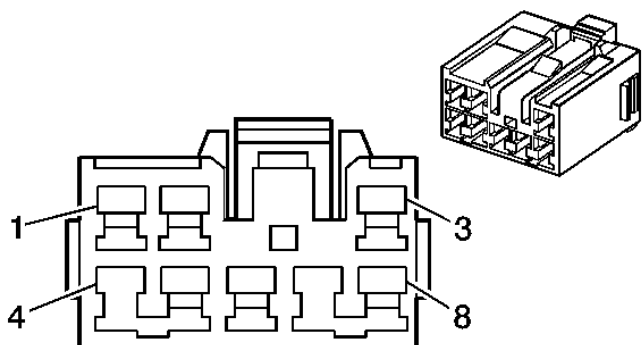
Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	650	Ground	1	BK	650	Ground
2	BK	650	Ground	2	BK	650	Ground
3	BK	650	Ground	3	BK	650	Ground
			Left Park Lamp Supply				Left Park Lamp Supply

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

4	PU	709	Voltage	4	PU	709	Voltage
5	L-BU	20	Stop Lamp Switch Signal	5	L-BU	20	Stop Lamp Switch Signal
6	L-GN	24	Backup Lamp Supply Voltage	6	L-Gn	24	Backup Lamp Supply Voltage
7	L-BU	14	Left Turn Signal Lamp Supply Voltage	7	L-BU	14	Left Turn Signal Lamp Supply Voltage
8	RD	122	Rear Fog Lamp Supply Voltage	8	RD	122	Rear Fog Lamp Supply Voltage

X424 - FLOOR HARNESS TO RIGHT BACKUP LAMP/TAIL LAMP JUMPER HARNESS (OPTIONAL)



Connector Part Information

- OEM: MG651050
- Service: N/A
- Description: 8-Way F 090-II Series (WH)

Connector Part Information

- OEM: MG641053
- Service: N/A
- Description: 8-Way M 090-II Series (WH)

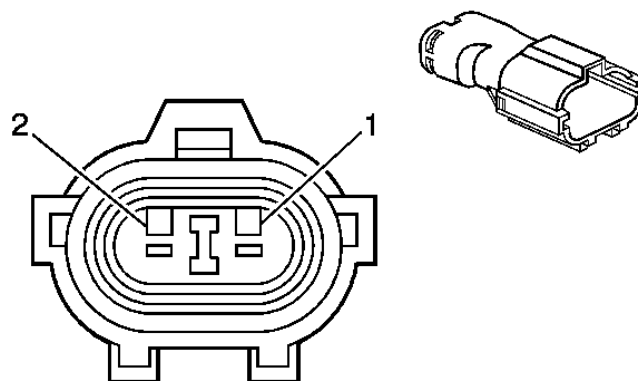
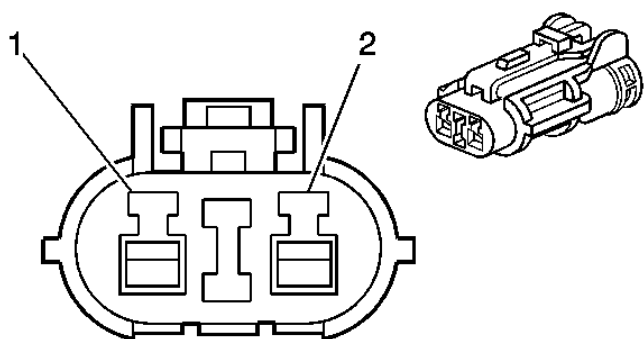
X424 - Floor Harness to Right Backup Lamp/Tail Lamp Jumper Harness (Optional)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	550	Ground	1	BK	550	Ground
2	BK	550	Ground	2	BK	550	Ground
3	BK	550	Ground	3	BK	550	Ground
4	BN/WH	309	Left Park Lamp Supply Voltage	4	BN/WH	309	Left Park Lamp Supply Voltage
5	L-BU	20	Stop Lamp Switch Signal	5	L-BU	20	Stop Lamp Switch Signal

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

6	L-GN	24	Backup Lamp Supply Voltage	6	L-GN	24	Backup Lamp Supply Voltage
7	D-BU	15	Left Turn Signal Lamp Supply Voltage	7	D-BU	15	Left Turn Signal Lamp Supply Voltage
8	RD	122	Rear Fog Lamp Supply Voltage	8	RD	122	Rear Fog Lamp Supply Voltage

X425 - FLOOR HARNESS TO LEFT SIDE MARKER LAMP JUMPER HARNESS (OPTIONAL)**Connector Part Information**

- OEM: MG610320
- Service: N/A
- Description: 2-Way F SWP Series (BK)

Connector Part Information

- OEM: MG640322
- Service: N/A
- Description: 2-Way M SWP Series (BK)

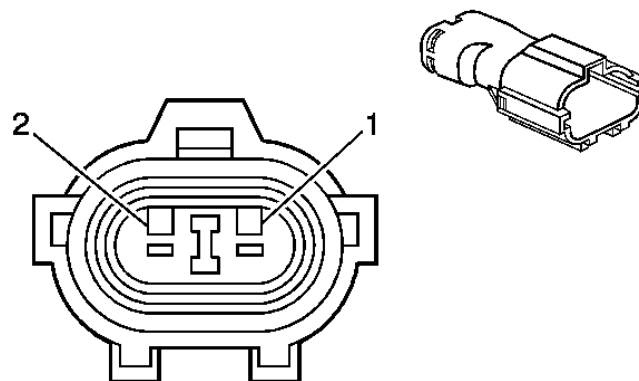
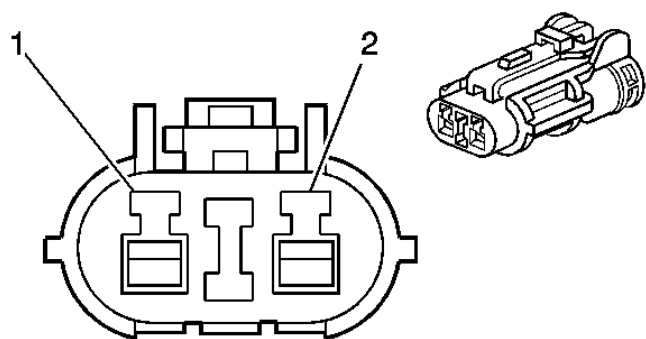
X425 - Floor Harness to Left Side Marker Lamp Jumper Harness (Optional)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	WH	709	Left Park Lamp Supply Voltage
2	BK	650	Ground	2	BK	650	Ground

X426 - FLOOR HARNESS TO RIGHT SIDE MARKER LAMP JUMPER HARNESS (OPTIONAL)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



Connector Part Information

- OEM: MG610320
- Service: N/A
- Description: 2-Way F SWP Series (BK)

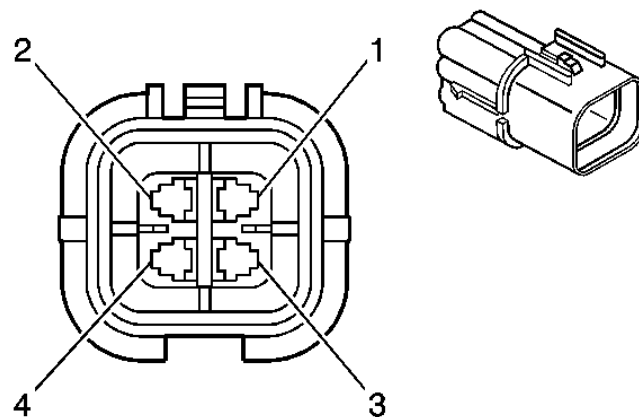
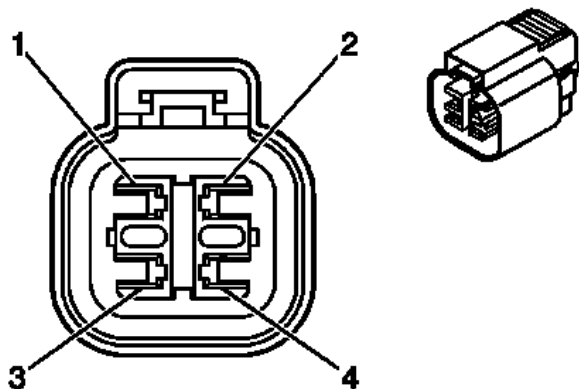
Connector Part Information

- OEM: MG640322
- Service: N/A
- Description: 2-Way M SWP Series (BK)

X426 - Floor Harness to Right Side Marker Lamp Jumper Harness (Optional)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN/WH	309	Right Park Lamp Supply Voltage	1	WH	309	Right Park Lamp Supply Voltage
2	BK	550	Ground	2	BK	550	Ground

X901 - REAR ABS HARNESS TO BODY HARNESS



Connector Part Information

- OEM: PB625-04127
- Service: N/A
- Description: 4-Way F KNMWP 04F-GY Series (BK)

Connector Part Information

- OEM: PB621-04120
- Service: N/A
- Description: 4-Way M NMWP 04M-B Series (GY)

X901 - Rear ABS Harness to Body Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	GY	882	Right Rear Wheel Speed Sensor Signal	1	GY	882	Right Rear Wheel Speed Sensor Signal
2	WH	883	Right Rear Wheel Speed Sensor Return	2	WH	883	Right Rear Wheel Speed Sensor Return
3	GY	884	Left Rear Wheel Speed Sensor Return	3	GY	884	Left Rear Wheel Speed Sensor Return
4	WH	885	Left Rear Wheel Speed Sensor Signal	4	WH	885	Left Rear Wheel Speed Sensor Signal

PASSENGER CAR ZONING

All grounds, in-line connectors, pass-through grommets, and splices have identifying numbers that correspond to where they are located in the vehicle. The following table explains the numbering system.

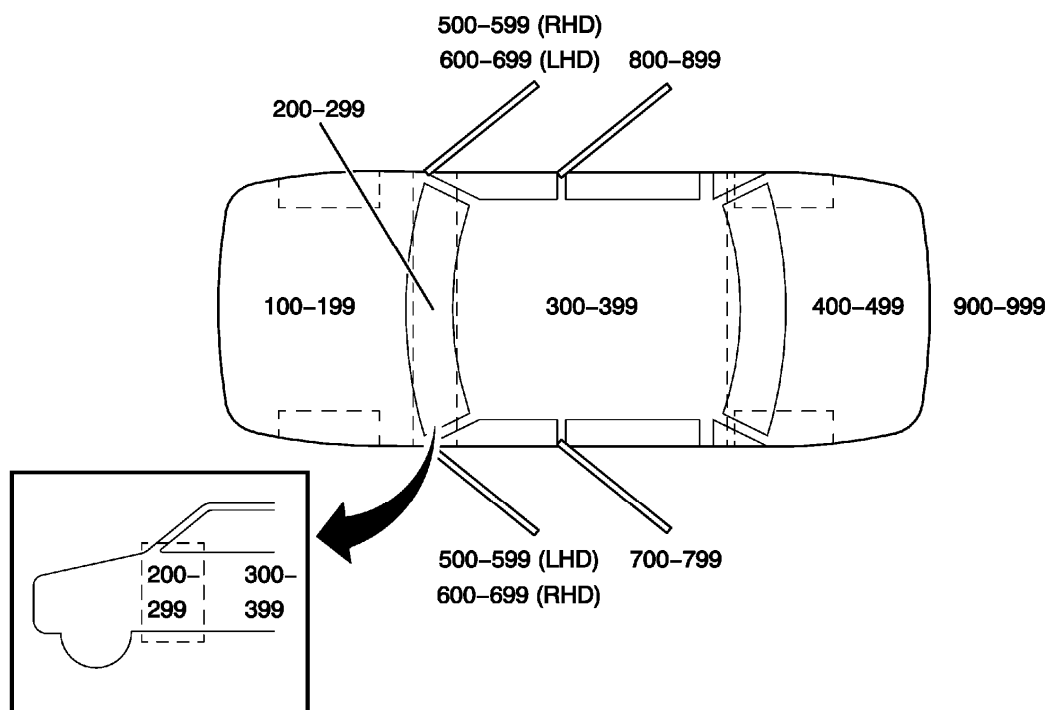


Fig. 8: Passenger Car Zoning View

Courtesy of GENERAL MOTORS CORP.

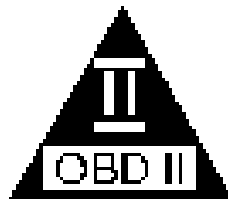
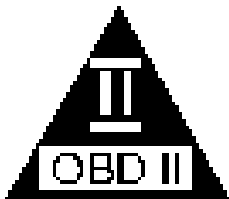
Vehicle Zoning Table

Callout Numbers	Zone Description
100-199	Engine compartment- All forward of the dash panel Note: 001-099 are additional for the engine compartment - ONLY to be used if all 100-199 items are used
200-299	Within the instrument panel area
300-399	Passenger compartment - From the instrument panel to the rear wheelhouse
400-499	Luggage compartment - From the rear wheelhouse to the rear of the vehicle
500-599	Within the left front door
600-699	Within the right front door
700-799	Within the left rear door
800-899	Within the right rear door
900-999	Within the luggage compartment lid or hatch

ELECTRICAL SYMBOLS
OLD Symbol
NEW Symbol
Description

Supplemental Inflatable Restraint (SIR) or Supplemental Restraint System (SRS) Icon

This icon is used to alert the technician that the system contains SIR/SRS components that require certain precautions before servicing.



On-Board Diagnostic (OBD II) Icon
This icon is used to alert the technician that the circuit is essential for proper OBD II emission controls circuit operation. Any circuit which, if it fails, causes the malfunction indicator lamp (MIL) to turn on, is identified as an OBD II circuit.

Important Icon



This icon is used to alert the technician that there is additional information that will aid in servicing a system.

Hot At All Times

Hot In Run

Hot In Start

Hot In Acc And Run

Hot In Run And Start

Hot In Run, Bulb Test And Start

Hot With Headlamp
Switch In Park Or Head

Hot In Retained
Accessory Power (RAP)

B+

RUN

START

ACCY/RUN

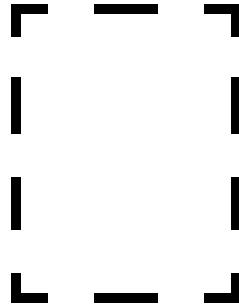
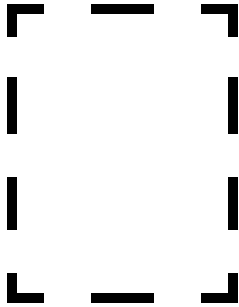
RUN/START

RUN/BULBTEST/START

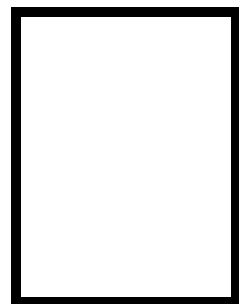
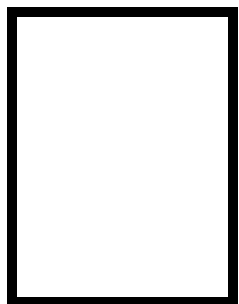
HEADLAMP SWITCH
PARK/HEAD

RAP

Voltage Indicator Boxes
These boxes are used on schematics to indicate when voltage is present at a fuse.



Partial Component
When a component is represented in a dashed box, the component or its wiring is not shown in its entirety.



Entire Component
When a component is represented in a solid box the component or its wiring is shown in its entirety.



Fuse

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra



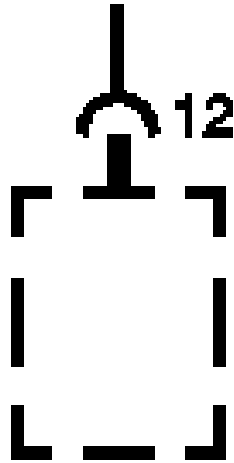
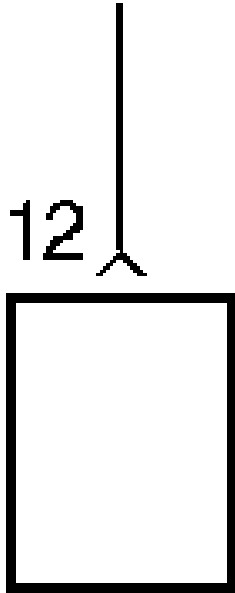
Circuit Breaker

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

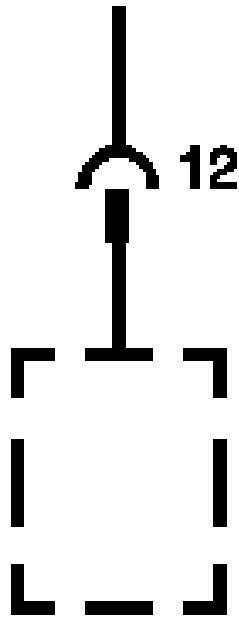
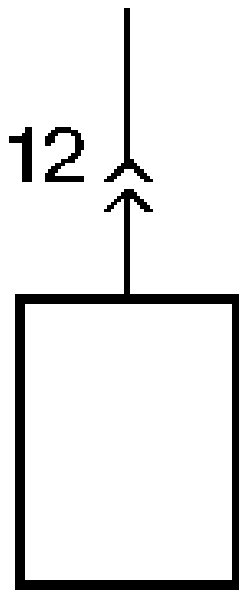


Fusible Link

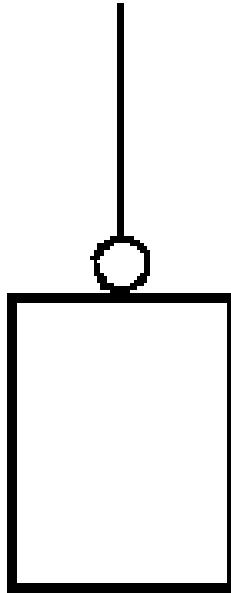
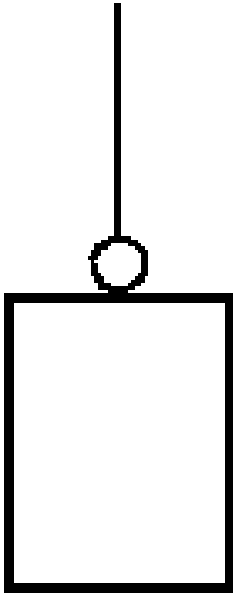


Connector Attached to Component

Pigtail Connector



Bolt On or Screw On Eyelet
Terminal

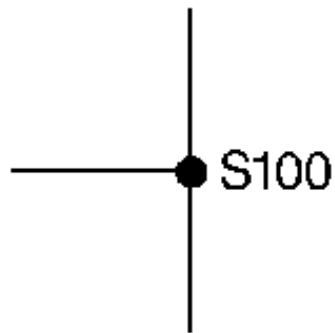
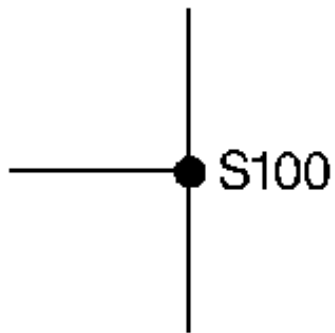
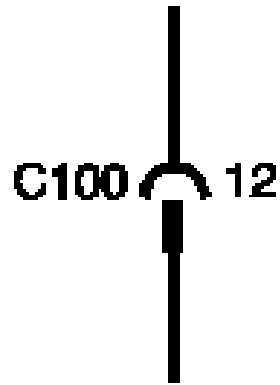


Inline Harness Connector

12 C100

2008 Chevrolet Optra LT

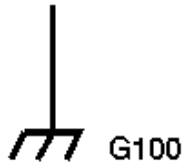
2008 ELECTRICAL Wiring Systems and Power Management - Optra



Splice

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

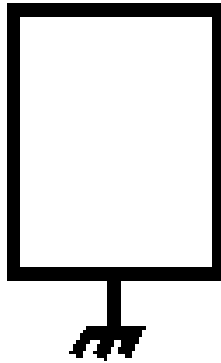
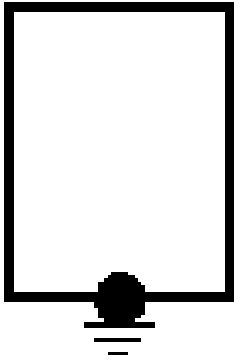


Chassis Ground

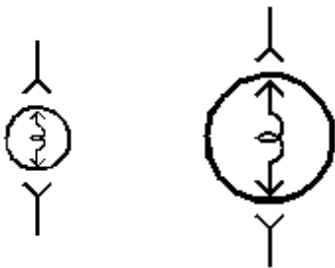
Case Ground

2008 Chevrolet Optra LT

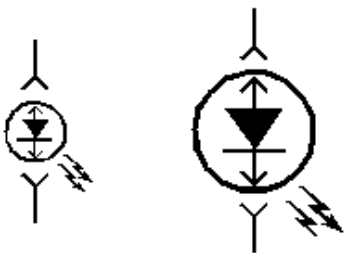
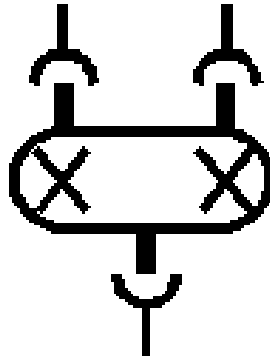
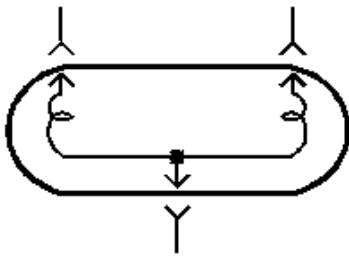
2008 ELECTRICAL Wiring Systems and Power Management - Optra



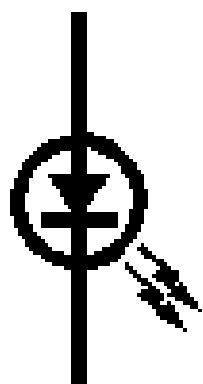
Single Filament Light Bulbs



Double Filament Light Bulb



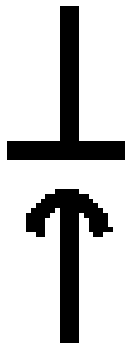
Light Emitting Diodes



Capacitor

2008 Chevrolet Optra LT

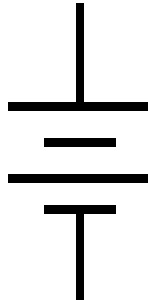
2008 ELECTRICAL Wiring Systems and Power Management - Optra



Battery

2008 Chevrolet Optra LT

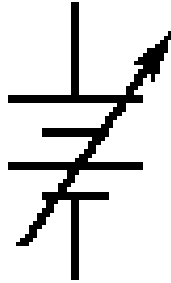
2008 ELECTRICAL Wiring Systems and Power Management - Optra



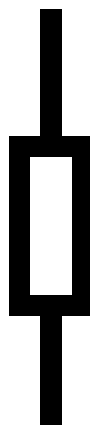
Variable Battery

2008 Chevrolet Optra LT

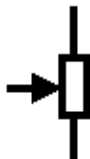
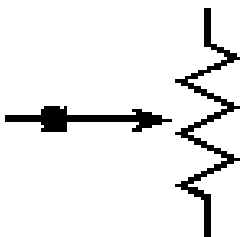
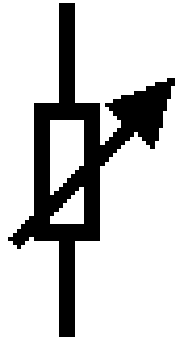
2008 ELECTRICAL Wiring Systems and Power Management - Optra



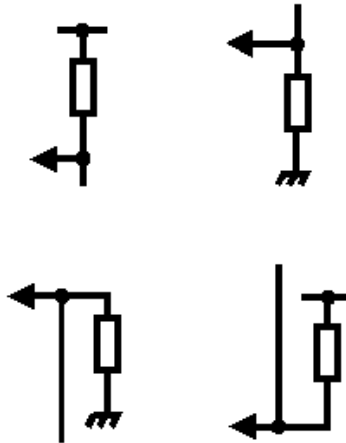
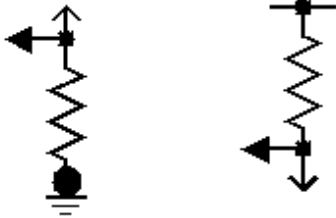
Resistor



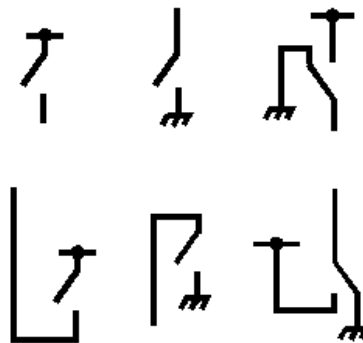
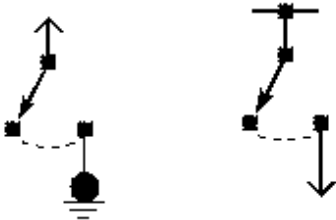
Variable Resistor



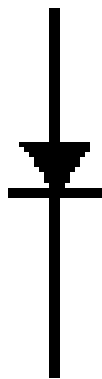
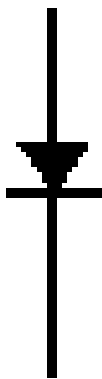
Position Sensor



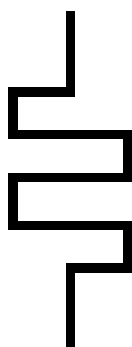
I/O Resistors



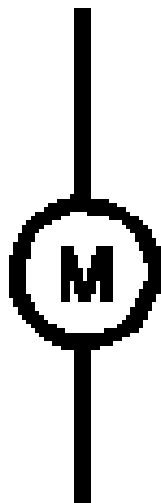
I/O Switches



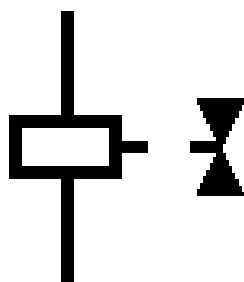
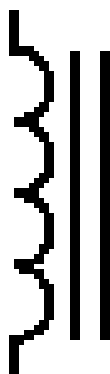
Diode



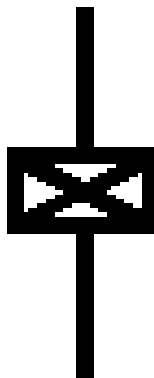
Heating Element



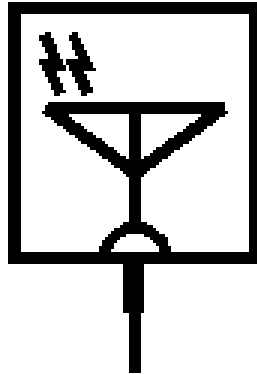
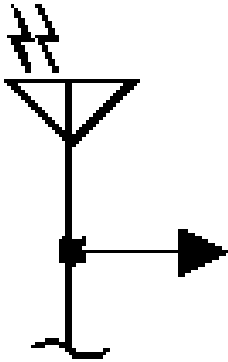
Motor



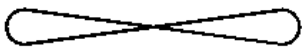
Solenoid



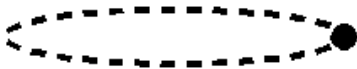
Coil



Antenna



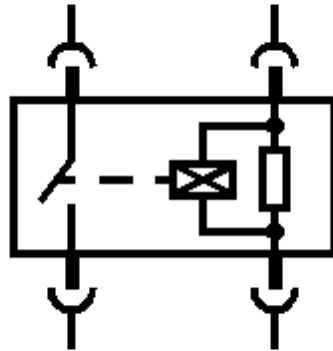
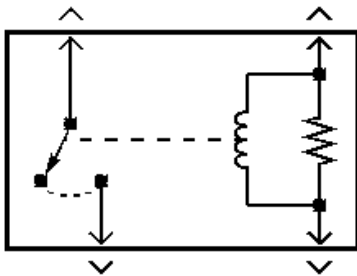
Twisted Wires



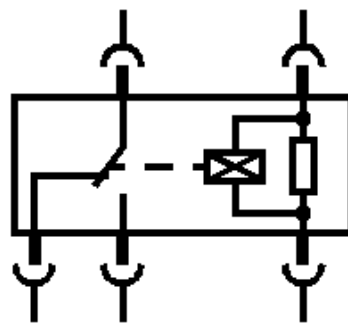
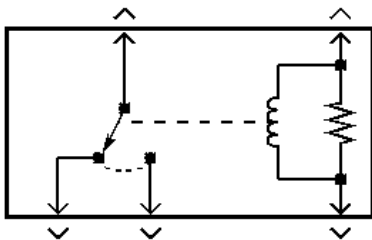
Shield



Switches



Single Pole/Throw Relay -
Normally Open



Single Pole/Throw Relay -
Normally Closed

GENERAL ELECTRICAL DIAGNOSIS

BASIC KNOWLEDGE REQUIRED

Without a basic knowledge of electricity, it will be difficult to use the diagnostic procedures contained in the service manual. You should understand the basic theory of electricity, and know the meaning of voltage (volts), current (amps), and resistance (ohms). You should also be able to read and understand a wiring diagram, as well as understand what happens in a circuit with an open or a shorted wire.

JX101

Pin	Wire Color	Circuit No.	Function
1-4	BK	808	Low Reference (MR140 Mexico, MR140 Japan, MT34)
	BK/YE		Low Reference (MR140 LHD, RHD, HV240 LHD, RHD)
5-7	GY	632	Ignition Coil Module Control (HV240)
	D-GN/WH	423	Ignition Coil Module Control (MR 140)
8-11	PK	139	Ignition 1 Voltage (HV240)
	OG/BK	469	Low Reference (MR 140, MT34)
12-14	PU/WH	632	Low Reference (HV240)
	L-BU	406	Ignition Coil Module Control (MR 140)

JX201

Pin	Wire Color	Circuit No.	Function
1-4	L-BU	1346	Headlamp Relay Supply Voltage/Headlamp Control
5-10	PU	2000	Serial Data (Gasoline)
	PU	12	Headlamp Low Beam Supply Voltage (Diesel)
11-14	PU	2000	Serial Data (Diesel)
	L-GN	11	Headlamp High Beam Supply Voltage

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			(Gasoline)
15-17	-	-	Not Used
18-20	L-GN	11	Headlamp High Beam Supply Voltage (Diesel)
	OG	1140	Battery Voltage (Gasoline)

JX202

Pin	Wire Color	Circuit	Function
1-4	L-BU	14	Left Turn Signal Lamps Indicator Control
5-10	D-GN/WH	817	Vehicle Speed Signal
11-14	D-BU	15	Right Turn Signal Lamps Supply Voltage
15-17	RD	122	Rear Fog Lamp Supply Voltage (Except North America)
18-20	PK	16	Turn Signal Switch Supply Voltage

JX203

Pin	Wire Color	Circuit No.	Function
1-10	BK	1050	Ground
11-20	D-GN	44	Instrument Panel Lamps Dimming Control

JX204

Pin	Wire Color	Circuit No.	Function
1-15	BN/WH	309	Instrument Panel Lamps Supply Voltage
16-20	GN	95	Windshield Washer Switch Signal

JX301

Pin	Wire Color	Circuit No.	Function
1-4	PU/WH	33	Brake Warning Indicator Control
5-10	D-BU	1307	Power Window Master Switch Lockout

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			Control
11-14	L-BU	20	Stop Lamp Supply Voltage
15-20	PU	156	Courtesy Lamp Control

JX302

Pin	Wire Color	Circuit No.	Function
1-5	PU/WH	294	Door Unlock Signal
	PU	294	Door Unlock Signal
6-10	GY	295	Door Lock Signal
11-13	OG	267	Heated Mirror Supply Voltage
	OG/GN	267	Heated Mirror Supply Voltage
14-17	L-BU	14	Left Turn Signal Lamps Supply Voltage
18-20	BU	15	Right Turn Signal Lamps Supply Voltage

X108 - Floor Harness to Engine Harness (1.4L, 1.6L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1-A3	-	-	Not Used	A1-A3	-	-	Not Used
A4	D-GN	135	Engine Coolant Temperature (ECT) Sensor Gage Signal	A4	D-GN	135	Engine Coolant Temperature (ECT) Sensor Gage Signal
A5	BN/WH	419	Malfunction Indicator Lamp (MIL) Control	A5	BN/WH	419	Malfunction Indicator Lamp (MIL) Control
B1	PU/BK	632	Low Reference	B1	GY	605	Low Reference
B2	D-GN/WH	817	Vehicle Speed Signal	B2	D-GN/WH	817	Vehicle Speed Signal (w/Manual Transmission)
B3	D-GN/D-BU	762	A/C Request Signal	B3	D-GN/WH	762	A/C Request Signal (w/A/C)
B4	WH/BK	30	Fuel Level Sensor Signal	B4	WH	30	Fuel Level Sensor Signal
	WH						
C1	D-GN	890	Fuel Tank Pressure Sensor Signal (North America)	C1	YE/D-GN	890	Fuel Tank Pressure Sensor Signal (North America)
C2	BN	2000	Serial Data	C2	BN	2000	Serial Data
C3	BN	25	Charge Indicator Control	C3	BU	25	Charge Indicator Control
C4	WH	121	Engine Speed Signal	C4	WH	121	Engine Speed Signal
							CAN Serial Data High

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

E1	PU	1807	CAN Serial Data High	E1	PU	1807	(w/Automatic Transmission)
E2	YE/RD	710	CAN Serial Data Low	E2	YE	710	CAN Serial Data Low (w/Automatic Transmission)
E3	BN/BK	1671	Heated Oxygen Sensor (HO2S) 2 Heater Control (North America)	E3	BN/BK	1671	Heated Oxygen Sensor (HO2S) 2 Heater Control
E4	L-BU/PU	1986	EVAP Canister Vent Solenoid Control (North America)	R4	L-BU/BK	1986	EVAP Canister Vent Solenoid Control (North America)
E5	D-BU	1936	Fuel Level Sensor Signal	E5	BU	1936	Fuel Level Sensor Signal
F1	BN/BK	231	Engine Oil Pressure Switch Signal	F1	BN/BK	231	Engine Oil Pressure Switch Signal
F2	YE	5	Crank Voltage	F2	YE	5	Crank Voltage
F3	PK	839	Ignition 1 Voltage	F3	PK	839	Ignition 1 Voltage (w/Manual Transmission)
F4	L-GN	24	Backup Lamp Supply Signal	F4	L-GN	24	Backup Lamp Supply Signal (w/Manual Transmission)
F5	GY	473	High Speed Cooling Fan Relay Control	F5	D-BU	473	High Speed Cooling Fan Relay Control
F6	-	-	Not Used	F6	-	-	Not Used

X108 - Floor Harness to Engine Harness (1.8L, 2.0L)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
A1	L-GN	413	Heated Oxygen Sensor (HO2S) 2 Low Reference (North America)	A1	L-GN	413	Heated Oxygen Sensor (HO2S) 2 Low Reference (North America)
A2	PU	1670	Heated Oxygen Sensor (HO2S) 2 Signal (North America)	A2	PU	1670	Heated Oxygen Sensor (HO2S) 2 Signal (North America)
A3	GY	605	5-Volt Reference (North America)	A3	GY	605	5-Volt Reference (North America)
A4	D-GN	135	Engine Coolant Temperature (ECT) Sensor Gage Signal	A4	D-GN	135	Engine Coolant Temperature (ECT) Sensor Gage Signal
A5	BN/WH	419	Malfunction Indicator Lamp (MIL) Control	A5	BN/WH	419	Malfunction Indicator Lamp (MIL) Control
B1	PU/BK	632	Low Reference	B1	PU/BK	632	Low Reference
B2	D-GN/WH	817	Vehicle Speed Signal (w/Manual Transmission)	B2	D-GN/WH	817	Vehicle Speed Signal (w/Manual Transmission)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

B3	D-GN/D-BU	762	A/C Request Signal (Except North America)	B3	D-GN/WH	762	A/C Request Signal (Except North America)
	D-GN	762	A/C Request Signal		D-GN	762	A/C Request Signal
B4	WH-BK	30	Fuel Level Sensor Signal	B4	WH	30	Fuel Level Sensor Signal
	WH		Fuel Level Sensor Signal (Except North America)				
C1	D-GN	890	Fuel Tank Pressure Sensor Signal (North America)	C1	YE/D-GN	890	Fuel Tank Pressure Sensor Signal (North America)
C2	BN	2000	Serial Data	C2	PU	2000	Serial Data
C3	BN	25	Charge Indicator Control	C3	BN	25	Charge Indicator Control
C4	WH	121	Engine Speed Signal	C4	GY	121	Engine Speed Signal
E1	PU	1807	CAN Serial Data High	E1	PU	1807	CAN Serial Data Low (w/Automatic Transmission)
E2	YE/BN	710	CAN Serial Data Low	E2	YE	710	CAN Serial Data Low (w/Automatic Transmission)
E3	BN/BK	1671	Heated Oxygen Sensor (HO2S) 2 Heater Control (North America)	E3	BN/BK	1671	Heated Oxygen Sensor (HO2S) 2 Heater Control
E4	L-BU/PU	1986	EVAP Canister Vent Solenoid Control (North America)	E4	L-BU/BK	1986	EVAP Canister Vent Solenoid Control (North America)
E5	D-BU	1936	Fuel Level Sensor Signal	E5	GY	1936	Fuel Level Sensor Signal
F1	BN/BK	231	Engine Oil Pressure Switch Signal	F1	BN/BK	231	Engine Oil Pressure Switch Signal
F2	YE	5	Crank Voltage	F2	YE	5	Crank Voltage
F3	PK	839	Ignition 1 Voltage	F3	PK	839	Ignition 1 Voltage (w/Manual Transmission)
F4	L-GN	24	Backup Lamp Supply Signal	F4	L-GN	24	Backup Lamp Supply Signal (w/Manual Transmission)
F5	GY	473	High Speed Cooling Fan Relay Control	F5	D-BU	473	High Speed Cooling Fan Relay Control
F6	-	-	Not Used	F6	-	-	Not Used

X108 - Floor Harness to Engine Harness (Diesel)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	-	-	Not Used	1	-	-	Not Used
2	WH	-	APP Sensor 5-Volt Reference	2	BN/BK	-	APP Sensor 5-Volt Reference
3	BN	-	Brake Pedal Switch	3	BN	-	Brake Pedal Switch

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			Signal				Signal
4	-	-	Not Used	4	-	-	Not Used
5	L-BU	-	Glow Plug Indicator Control	5	L-BU	-	Glow Plug Indicator Control
6	L-BU	-	Change Oil Soon Indicator Control	6	L-BU/WH	-	Change Oil Soon Indicator Control
7	BN	-	PTC 3 Relay Switch Output	7	BN	-	PTC 3 Relay Switch Output
8	L-BU	-	APP Sensor 1 Low Reference	8	L-BU	-	APP Sensor 1 Low Reference
9	GN/WH	-	A/C Request	9	GN/WH	-	A/C Request
10	YE	-	APP Sensor 2 Signal	10	WH	-	APP Sensor 2 Signal
11	YE	-	Stop Lamp Switch Signal	11	L-BU	-	Stop Lamp Switch Signal
12	PU	-	Cruise Switch Ground	12	PU	-	Cruise Switch Ground
13	BU/WH	-	Engine Speed Signal	13	BU/WH	-	Engine Speed Signal
14	PK	-	Ignition 1 Voltage	14	PK	-	Ignition 1 Voltage
15	BU/WH	-	PTC 1 Relay Switch Output	15	BU/WH	-	PTC 1 Relay Switch Output
16	GN/WH	-	PTC Request	16	GN/WH	-	PTC Request
17	BN	-	Charge Indicator Control	17	BN	-	Charge Indicator Control
18	-	-	Not Used	18	-	-	Not Used
19	GN	-	APP Sensor 1 Signal	19	BU	-	APP Sensor 1 Signal
20	GN/WH	-	Cruise Switch Signal	20	GN/WH	-	Cruise Switch Signal
21	L-GN/BK	-	ECT Gauge Signal	21	L-GN/BK	-	ECT Gauge Signal
22	-	-	Not Used	22	-	-	Not used
23	PU	-	Fuel Warning Signal	23	PU	-	Fuel Warning Signal
24	BN/WH	-	Water In Fuel Indicator Control	24	BN/WH	-	Water In Fuel Indicator Control
25	L-GN	-	CAN Low	25	YE	-	CAN Low
26	BN/WH	-	APP Sensor 2 Low Reference	26	PU	-	APP Sensor 2 Low Reference
27	WH	-	Cruise Indicator Control	27	WH	-	Cruise Indicator Control
28	GY/BK	-	ECT Indicator Control	28	GY/BK	-	ECT Indicator Control
29	YE/BK	-	PTC 2 Relay Switch Output	29	YE/BK	-	PTC 2 Relay Switch Output
30	GN/WH	-	Vehicle Speed Signal	30	GN/WH	-	Vehicle Speed Signal
31	GN/WH	-	Cruise Control Clutch Switch Signal	31	BN/BK	-	Cruise Control Clutch Switch Signal

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

32	GY/BK	-	APP Sensor 1 5-Volt Reference	32	BN	-	APP Sensor 1 5-Volt Reference
33	L-BU	-	CAN High	33	PU	-	CAN High
34	BN/BK	-	Oil Pressure Indicator Control	34	BN/BK	-	Oil Pressure Indicator Control
35	YE/BK	-	Diesel Particulate Filter Indicator Control	35	YE/BK	-	Diesel Particulate Filter Indicator Control
36	-		Back Up Lamp Switch Signal	36	L-GN	-	Back Up Lamp Switch Signal

X109 - Engine Harness to Front Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN	413	Heated Oxygen Sensor (HO2S) 2 Low Reference	1	BN	413	Heated Oxygen Sensor (HO2S) 2 Low Reference
	L-GN (Sirius D4)				L-GN (Sirius D4)		
2	PU	1670	Heated Oxygen Sensor (HO2S) 2 Signal	2	PU	1670	Heated Oxygen Sensor (HO2S) 2 Signal
3	BN/WH	1671	Heated Oxygen Sensor (HO2S) 2 Heater Control	3	BN/BK	1671	Heated Oxygen Sensor (HO2S) 2 Heater Control
	BN/BK (Sirius D4)						
4	PK/BK	1846	Ignition 1 Voltage	4	PK/BK	1846	Ignition 1 Voltage

X110 - ABS Harness to Floor Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	L-BU	20	Stop Lamp Switch Signal	1	L-BU	20	Stop Lamp Switch Signal
2	D-BU	774	Serial Data	2	D-BU/WH	774	Serial Data
3	BN	882	Right Rear Wheel Speed Sensor Signal	3	BN	882	Right Rear Wheel Speed Sensor Signal
4	BK	884	Left Rear Wheel Speed Sensor Signal	4	BK	884	Left Rear Wheel Speed Sensor Signal
5	RD	885	Left Rear Wheel Speed Sensor Signal	5	D-BU	885	Left Rear Wheel Speed Sensor Signal
6	BN	739	Ignition 1 Voltage	6	BN	739	Ignition 1 Voltage
7	-	-	Not Used	7	-	-	Not Used
8	L-GN/BK	867	ABS Indicator Failure Control	8	L-GN	867	ABS Indicator Failure Control
9	L-GN	876	Rough Road Signal (Except North America)	9	WH	876	Rough Road Signal (Except North America)
	WH/YE	866	Rough Road Signal		L-GN	866	Rough Road Signal
10	WH	883	Right Rear Wheel Speed Sensor Return	10	WH	883	Right Rear Wheel Speed Sensor Return
11	D-GN	905	Serial Data	11	D-GN	905	Serial Data

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

12	PU/WH	33	Brake Warning Indicator Control	12	PU/WH	33	Brake Warning Indicator Control
----	-------	----	---------------------------------	----	-------	----	---------------------------------

X111 - ABS Harness to Front Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	WH	833	Front Right Wheel Speed Sensor Return	1	YE	833	Front Right Wheel Speed Sensor Return
2	GY	872	Front Right Wheel Speed Sensor Signal	2	PU	872	Front Right Wheel Speed Sensor Signal

X112 - Front Harness to Horn Jumper Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	50	Ground	1	BK	150	Ground
2	D-GN	29	Horn Control	2	BK/WH	29	Horn Control

X113 - Floor Harness to Front Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN	141	Ignition 1 Voltage (Except North America)	1	PK	741	Ignition 1 Voltage (Except North America)
	BN/BK	2105	Inflatable Restraint Front End Sensor - Left Voltage (North America)		BN/BK	2105	Inflatable Restraint Front End Discriminating Sensor - Left Voltage (North America)
2	YE	261	Arm Alarm Signal	2	YE	261	Arm Alarm Signal
3	PK/D-BU	109	Hood Ajar Switch Signal	3	PK/BK	109	Hood Ajar Switch Signal
4	YE/D-BU	61	Low Reference (w/Auto A/C)	4	YE	61	Low Reference (w/Auto A/C)
5	BN	247	Medium Blower Motor Control (Except North America)	5	BN	247	Medium Blower Motor Control (Except North America)
	BN/WH						
	L-GN/RD	2106	Front End Sensor - Left Signal (North America)		L-GN/RD	2106	Inflatable Restraint Front End Discriminating Sensor - Left (North America)
6	D-BU	15	Right Turn Signal Lamp Supply Voltage	6	L-BU	15	Right Turn Signal Lamp Supply Voltage
7	L-BU	14	Left Turn Signal Lamp Supply Voltage (Except North America)	7	L-BU	14	Left Turn Signal Lamp Supply Voltage
	L-BU/BK		Left Turn Signal Lamp Supply Voltage				
8	L-GN/BK	735	Ambient Air Temperature Sensor (w/Auto A/C)	8	L-GN/BK	735	Ambient Air Temperature Sensor (w/Auto A/C)
			Variable Effort Steering				Variable Effort Steering

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

9	PU	1703	Actuator Supply Voltage (w/Variable Effort Steering)	9	L-GN	1703	Actuator Supply Voltage (w/Variable Effort Steering)
10	GY	473	High Speed Cooling Fan Relay Control	10	GY	473	High Speed Cooling Fan Relay Control
11	D-GN	189	Headlamp Leveling Motor Supply Voltage (w/Headlamp Leveling)	11	D-GN	189	Headlamp Leveling Motor Supply Voltage (w/Headlamp Leveling)
12	RD	228	Windshield Washer Pump Control (Notchback)	12	RD	228	Windshield Washer Pump Control (Notchback)
13	L-BU	1738	Variable Effort Steering Actuator Control (w/Variable Effort Steering)	13	BN/BK	1738	Variable Effort Steering Actuator Control (w/Variable Effort Steering)
14	D-GN/WH	2104	Inflatable Restraint Front End Sensor - Right Signal (North America)	14	D-GN/WH	2104	Inflatable Restraint Front End Sensor - Right Signal (North America)
15	PU	2103	Inflatable Restraint Front End Sensor - Right Voltage (North America)	15	PU	2103	Inflatable Restraint Front End Discriminating Sensor - Right (North America)
16	PK/BK	1846	Ignition 1 Voltage	16	PK/BK	1846	Ignition 1 Voltage

X114 - Body Harness to Engine Harness MT34

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK/WH	632	Low Reference	1	BK/WH	632	Low Reference
2-10	-	-	Not Used	2-10	-	-	Not Used
11	D-BU/WH	397	Cruise Control Switch Signal	11	D-BU/WH	397	Cruise Control Switch Signal
12	-	-	Not Used	12	-	-	Not Used
13	WH	183	Cruise Indicator Control	13	D-GN	183	Cruise Indicator Control
14	BN	17	Stop Lamp Switch Output	14	BN	17	Stop Lamp Switch Output
15	BN/WH	379	Clutch Switch Signal	15	BN/WH	379	Clutch Switch Signal
16	L-BU	20	Stop Lamp Switch Output	16	YE	20	Stop Lamp Switch Output

X115 - Engine Harness to Glow Plug (Diesel)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	-	Glow Plug 1 Control	1	PU	-	Glow Plug 1 Control
2	PU	-	Glow Plug 2 Control	2	PU	-	Glow Plug 2 Control
3	PU	-	Glow Plug 3 Control	3	PU	-	Glow Plug 3 Control
4	PU	-	Glow Plug 4 Control	4	PU	-	Glow Plug 4 Control

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

X116 - Front Harness to Right Park/Turn Signal Lamp Jumper (North America)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN/WH	309	Right Park Lamp Supply Voltage	1	PU	309	Right Park Lamp Supply Voltage
2	BK	150	Ground	2	BK	150	Ground
3	L-BU	15	Right Turn Signal Lamps Supply Voltage	3	PU	15	Right Turn Signal Lamps Supply Voltage

X120 - Front Harness to Right Headlamp Jumper Harness (w/Leveling Except North America)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	150	Ground	1	BK	150	Ground
2	BN/WH	309	Right Park Lamp Supply Voltage	2	D-BU	709	Right Park Lamp Supply Voltage
3	D-GN	189	Headlamp Leveling Motor Supply Voltage	3	D-GN	189	Headlamp Leveling Motor Supply Voltage
4	L-GN/BK	311	Right Headlamp High Beam Supply Voltage	4	RD	711	Right Headlamp High Beam Supply Voltage
5	PU/WH	312	Right Headlamp Low Beam Supply Voltage	5	L-GN	712	Right Headlamp Low Beam Supply Voltage
6	BK	150	Ground	6	BK/WH	50	Ground

X120 - Front Harness to Right Headlamp Jumper Harness (w/o Leveling, North America)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	312	Right Headlamp Low Beam Supply Voltage	1	L-GN	312	Right Headlamp Low Beam Supply Voltage
2	L-GN/BK	311	Right Headlamp High Beam Supply Voltage	2	RD	311	Right Headlamp High Beam Supply Voltage
3	BK	150	Ground	3	BK/WH	150	Ground
4	-	-	Not Used	4	-	-	Not Used

X121 - Front Harness to Left Headlamp Jumper Harness (w/Leveling)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	50	Ground	1	BK	50	Ground
2	PU	709	Left Park Lamp Supply Voltage	2	D-BU	709	Left Park Lamp Supply Voltage
3	D-GN	189	Headlamp Leveling Motor Supply Voltage	3	D-GN	189	Headlamp Leveling Motor Supply Voltage
4	D-GN/WH	711	Left Headlamp High Beam Supply Voltage	4	RD	711	Left Headlamp High Beam Supply Voltage
5	YE	712	Left Headlamp Low Beam Supply Voltage	5	L-GN	712	Left Headlamp Low Beam Supply Voltage
6	BK	50	Ground	6	BK/WH	50	Ground

X121 - Front Harness to Left Headlamp Jumper Harness (w/o Leveling)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	YE	712	Left Headlamp Low Beam Supply Voltage	1	L-GN	712	Left Headlamp Low Beam Supply Voltage
2	D-GN/WH	711	Left Headlamp High Beam Supply Voltage	2	RD	711	Left Headlamp High Beam Supply Voltage
3	BK	50	Ground	3	BK/WH	50	Ground
4	-	-	Not Used	4	-	-	Not Used

X135 - Engine Harness to Manifold Absolute Pressure (MAP) Sensor Jumper

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	OG/BK	469	Low Reference	1	OG/BK	469	Low Reference
2	D-BU/WH	432	Manifold Absolute Pressure (MAP) Sensor Signal	2	L-GN	432	Manifold Absolute Pressure (MAP) Sensor Signal
3	L-BU/BK	1688	5-Volt Reference	3	D-GN/BK	1688	5-Volt Reference

X191 - ABS Harness to Left Front Wheel Speed Sensor Jumper

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN	873	Left Front Wheel Speed Sensor Signal	1	WH	873	Left Front Wheel Speed Sensor Signal
2	L-BU	830	Left Front Wheel Speed Sensor Low Reference	2	BK	830	Left Front Wheel Speed Sensor Return

X192 - Front Harness to Right Front Wheel Speed Sensor Jumper

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	872	Right Front Wheel Speed Sensor Signal	1	WH	872	Right Front Wheel Speed Sensor Signal
2	YE	833	Right Front Wheel Speed Sensor Low Reference	2	BK	833	Right Front Wheel Speed Sensor Signal

X202 - I/P Harness to Floor Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN	247	High Speed Blower Relay Control (w/Auto A/C)	1	BN BN/WH (Except North America)	247	High Speed Blower Relay Control (w/Auto A/C)
2	WH	193	Rear Defog Relay Control	2	WH WH/BK (Except North America)	193	Rear Defog Relay Control
3	D-GN	189	Headlamp Leveling Motor Supply Voltage	3	D-GN	189	Headlamp Leveling

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			(w/Headlamp Leveling)				Motor Supply Voltage
4	GY	161	Antenna Module Signal	4	GY	161	Antenna Module Signal
5	BN	141	Ignition 3 Voltage	5	BN	141	Ignition 3 Voltage
6	BN	641	Ignition 3 Voltage	6	BN (Except North America)	641	Ignition 3 Voltage
					BN/WH		
7	BK/WH	238	Seat Belt Switch Left	7	BK/WH	238	Seat Belt Switch Left
8	YE	112	Windshield Wiper Switch Signal 1	8	YE	112	Windshield Wiper Switch Signal 1
9	D-GN	135	Engine Coolant Temperature (ECT) Sensor Gage Signal	9	D-GN	135	Engine Coolant Temperature (ECT) Sensor Gage Signal
10	PU/WH	33	Brake Warning Indicator Control	10	PU/WH	33	Brake Warning Indicator Control
	RD	122	Rear Fog Lamp Supply Voltage (Except North America)		RD	122	Rear Fog Lamp Supply Voltage (Except North America)
11	L-BU	20	Stop Lamp Switch Signal	11	L-BU	20	Stop Lamp Switch Signal
12	L-GN	483	Serial Data (w/Alarm)	12	L-GN	483	Serial Data (w/Alarm)
	PK/BK	1303	Door Switch Signal (Except North America)		PK/BK	1303	Door Switch Signal (Except North America)
13	BN	25	Charge Indicator Signal	13	BN	25	Charge Indicator Signal
14	YE	317	Front Fog Lamp Relay Coil Supply Voltage	14	YE/D-GN	317	Front Fog Lamp Relay Coil Supply Voltage
15	PU	126	Left Front Door Open Switch Signal	15	PU/WH	126	Left Front Door Open Switch Signal
16	WH	905	Serial Data (w/ABS)	16	D-GN	905	Serial Data (w/ABS)
17	L-BU	14	Left Turn Signal Lamp Supply Voltage	17	L-BU/BK (Except North America)	14	Left Turn Signal Lamp Supply Voltage
					L-BU		
18	OG	340	Battery Positive Voltage (w/Alarm)	18	OG	340	Battery Positive Voltage (w/Alarm)
19	D-BU/WH	774	Serial Data (w/ABS)	19	D-BU/WH	774	Serial Data (w/ABS)
20	D-BU	15	Right Turn Signal Lamps Supply Voltage	20	D-BU	15	Right Turn Signal Lamps Supply Voltage
21	PU	2000	Serial Data	21	BN	2000	Serial Data
22	L-GN	867	ABS Indicator Failure Control (w/ABS)	22	L-GN/BK	867	ABS Indicator Failure Control 1 (w/ABS)
23	L-BU	97	Windshield Wiper Switch Mist/OFF/Low	23	BN	96	Windshield Wiper Switch Delay Signal

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			Signal				
24	L-BU	263	Tamper Switch Signal (Optional)	24	L-BU	263	Tamper Switch Signal (Optional)
25	D-GN	1659	Microphone (-) (Optional)	25	WH	1659	Microphone (-) (Optional)
26	YE	356	Door Lock (Gasoline, Optional)	26	YE	Y356	Door Lock (Gasoline, Optional)
	D-BU	1936	Low Fuel Signal (Diesel)		D-BU	1936	Low Fuel Signal (Diesel)
27	PK/BK	109	Alarm Signal (Gasoline, Optional)	27	PK/BK	109	Alarm Signal (Gasoline, Optional)
	PU/BK	632	Low Reference (Diesel)		PU/BK	632	Low Reference (Diesel)
28	WH	1658	Microphone (+) (Optional)	28	D-BU	1658	Microphone (+) (Optional)
29	L-GN/WH	355	Door Unlock (Optional)	29	L-GN/WH	355	Door Unlock (Optional)
30	WH	156	Courtesy Lamp Control	30	PU	156	Courtesy Lamp Control
31	WH	1080	Park Lamp Relay Control (w/Lamp Driver Control Module)	31	WH	1080	Park Lamp Relay Control
32	PU/WH	231	Oil Pressure Switch Signal	32	BN/BK	231	Oil Pressure Switch Signal
	PU/BK (Except North America)				PU/WH (Except North America)	231	Oil Pressure Daytime Running Lamp (DRL) Input (Scandinavian)
33	D-GN/WH	762	A/C Request Signal (w/A/C)	33	D-GN/D-BU	762	A/C Request Signal (w/A/C)
34	L-GN	11	Headlamp High Beam Supply Voltage	11	L-GN	11	Headlamp High Beam Supply Voltage
35	BK	28	Horn Relay Control	35	BK	28	Horn Relay Control
36	D-BU	774	Trunk Open Signal	36	D-BU	744	Trunk Open Signal
	L-BU	195	Door Lock (Except North America)		L-BU	195	Door Lock (Except North America)
	PK/BK	1303	Door Switch Signal (Except North America)		PK/BK	1303	Door Switch Signal (Except North America)
37	-	-	Not Used (Gasoline)	37	-	-	Not Used (Gasoline)
	L-BU	-	Change Oil Soon Indicator Control (Diesel)		L-BU	-	Change Oil Soon Indicator Control (Diesel)
38	YE	749	Security Indicator Control (w/Immobilizer)	38	YE/D-GN	749	Security Indicator Control (w/Immobilizer)
39	BN/WH	309	Right Park Lamp Supply Voltage	39	BN/BK	309	Right Park Lamp Supply Voltage
40	OG	540	Battery Positive Voltage	40	OG/BK	540	Battery Positive Voltage

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

41	PU/WH	33	Brake Warning Indicator Control	41	PU/WH	33	Brake Warning Indicator Control
42	PK	839	Ignition 1 Voltage	42	PK	839	Ignition 1 Voltage
43	RD	228	Windshield Washer Pump Control	43	RD	228	Windshield Washer Pump Control
44	PU	12	Headlamp Low Beam Supply Voltage	44	PU	12	Headlamp Low Beam Supply Voltage
45	OG	640	Battery Positive Voltage	45	OG/BK	640	Battery Positive Voltage
	OG	640	Battery Positive Voltage		OG/BK	640	Battery Positive Voltage
46	BN	641	Ignition 3 Voltage	46	BN	641	Ignition 3 Voltage
					BN/BK (Except North America)		
47	BN	441	Ignition 3 Voltage	47	RD/D-BU	441	Ignition 3 Voltage
48	PK	639	Ignition 1 Voltage	48	PK	639	Ignition 1 Voltage
49	L-GN	80	Key In Ignition Switch Signal (w/Alarm)	49	L-GN/RD	80	Key In Ignition Switch Signal (w/Alarm)
	BN	253	Trunk Open (Except North America)		BN	253	Trunk Open (Except North America)
50	YE	243	Accessory Voltage	50	YE	243	Accessory Voltage
51	BN/WH	419	Malfunction Indicator Lamp (MIL) Control	51	BN/WH	419	Malfunction Indicator Lamp (MIL) Control
52	RD	1642	Battery Positive Voltage	52	RD/D-GN	1642	Battery Positive Voltage
53	YE	5	Crank Voltage (Except North America)	53	YE	5	Crank Voltage (Except North America)
	PU	5	Crank Voltage			5	Crank Voltage
54	OG	140	Battery Positive Voltage	54	OG	140	Battery Positive Voltage
55	RD	742	Battery Positive Voltage	55	RD	742	Battery Positive Voltage
56	RD	142	Battery Positive Voltage	56	RD/D-BU	142	Battery Positive Voltage
57	L-BU	1346	Headlamp Supply Voltage	57	L-BU	1346	Headlamp Supply Voltage
58	PK	539	Ignition 1 Voltage	58	PK	539	Ignition 1 Voltage
59	RD	642	Battery Positive Voltage	59	RD/WH	642	Battery Positive Voltage
60	L-GN/BK	735	Ambient Air Temperature Sensor Signal (w/Auto A/C)	60	L-GN/BK	735	Ambient Air Temperature Sensor Signal
61	YE	61	Low Reference (w/Auto A/C)	61	YE/D-BU	61	Low Reference
62	PK	739	Ignition 1 Voltage (w/ABS)	62	BN	739	Ignition 1 Voltage (w/ABS)
63	D-GN/WH	817	Vehicle Speed Signal	63	D-GN/WH	817	Vehicle Speed Signal
64	D-GN	392	Rear Window Washer	64	D-GN	392	Rear Window Washer Pump Control

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			Pump Control				(Hatchback Only)
65	D-GN	95	Windshield Washer Switch Signal	65	D-GN	95	Windshield Washer Switch Signal
66	GY	121	Engine Speed Signal	66	WH	121	Engine Speed Signal
67	PU	92	Windshield Wiper Motor High Speed	67	PU	92	Windshield Wiper Motor High Speed
68	PU	201	Left Front Speaker Output (+)	68	PU	201	Left Front Speaker Output (+)
69	YE	710	CAN Serial Data Low (w/Automatic Transmission)	69	YE/BN	710	CAN Serial Data Low 70
70	WH	393	Rear Window Wiper Motor Control	70	WH	393	Rear Window Wiper Motor Control (Hatchback Only)
71	L-BU	115	Right Rear Speaker Output (-)	71	L-BU	115	Right Rear Speaker Output (-)
72	PU	1807	CAN Serial Data High (w/Automatic Transmission)	72	PU	1807	CAN Serial Data High
73	D-GN/WH	900	Key Cylinder Lamp Control (Notchback Only)	73	D-GN/WH	900	Key Cylinder Lamp Control
74	L-GN	200	Right Front Speaker Output (+)	74	L-GN	200	Right Front Speaker Output (+)
75	L-GN	24	Backup Lamp Supply Voltage (w/Automatic Transmission)	75	L-GN	24	Backup Lamp Supply Voltage
76	RD	709	Left Park Lamp Supply Voltage (w/Alarm)	76	PU/WH	709	Left Park Lamp Supply Voltage
					PU	709	Left Park Lamp Supply Voltage (Notchback RHD)
77	GY	118	Left Front Speaker Output (-)	77	GY/WH	118	Left Front Speaker Output (-)
78	GY/BK	1798	Headlamp Relay Control	78	GY/BK	1798	Headlamp Relay Control
79	-	-	Not Used	79	-	-	Not Used
	BN/WH	1201	Left Front Speaker Output (-) (Except Notchback RHD)		BN/WH	1201	Left Front Speaker Output (-) (Except Notchback RHD)
	GY	1118			GY	1118	
80	YE	116	Left Rear Speaker Output (-)	80	YE	116	Left Rear Speaker Output (-)
81	PU	172	Low Fuel Indicator Control (Gasoline)	81	PU	172	Low Fuel Indicator Control (Gasoline)
	YE/BK	-	Diesel Particulate Filter Indicator Control		YE/BK	-	Diesel Particulate Filter Indicator Control

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			(Diesel)				(Diesel)
82	-	-	Not Used	82	-	-	Not Used
	GY	1118	Left Front Speaker Output (+) (Except Notchback RHD)		GY	1118	Left Front Speaker Output (+) (Except Notchback RHD)
	BN/WH	1201			BN/WH	1201	
83	BN	199	Left Rear Speaker Output (+)	83	BN	199	Left Rear Speaker Output (+)
84	-	-	Not Used	84	-	-	Not Used
	YE	261	Alarm Signal (Except North America)		YE	261	Alarm Signal (Except North America)
85	WH	30	Fuel Level Sensor Signal (Gasoline)	85	WH/BK	30	Fuel Level Sensor Signal (Gasoline)
	GY/BK	-	ECT Indicator Control (Diesel)		GY/BK	-	ECT Indicator Control (Diesel)
86	D-BU	46	Right Rear Speaker Output (+)	86	D-BU/WH	46	Right Rear Speaker Output (+)
87	L-BU	1738	Variable Effort Steering Actuator Supply Voltage (w/Variable Effort Steering)	87	L-BU	1738	Variable Effort Steering Actuator Supply Voltage
88	PU	1703	Variable Effort Steering Actuator Control	88	PU	1703	Variable Effort Steering Actuator Control
89	D-GN	117	Right Front Speaker Output (-)	89	D-GN	117	Right Front Speaker Output (-)

X204 - Roof Harness to Floor Harness (CE1)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	L-GN	227	Windshield Washer Pump Ground	1	L-GN	227	Windshield Washer Pump Ground
2	D-GN	2228	Wiper Motor Signal	2	D-GN	2228	Wiper Motor Signal
3	D-BU	1112	Wiper Motor Signal	3	D-BU	1112	Wiper Motor Signal
4	-	-	Not Used	4	-	-	Not Used
	WH	1659	Microphone (-) (Optional)		WH	1659	Microphone (-) (Optional)
5	GY	161	Antenna Enable Signal	5	GY	161	Antenna Motor Up
6	PU	156	Courtesy Lamp Control	6	PU	156	Courtesy Lamp Control
7	PK	839	Ignition 1 Voltage	7	PK	839	Ignition 1 Voltage
8	YE	112	Windshield Wiper Switch Signal 1	8	YE	112	Windshield Wiper Switch Signal
9	RD	228	Windshield Washer Pump Control	9	RD	228	Windshield Washer Pump Control
					RD/D-BU	441	Ignition 1 Voltage (Notchback RHD)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

10	PK	639	Ignition 1 Voltage	10	PK	639	Ignition 1 Voltage (Notchback LHD)
11	D-GN/WH	900	Key Cylinder Lamp Control	11	D-GN/WH	900	Key Cylinder Lamp Control
12	OG	640	Battery Positive Voltage	12	OG/BK	640	Battery Positive Voltage
13	BN	641	Ignition 3 Voltage	13	BN/WH	641	Ignition 3 Voltage
14	-	-	Not Used	14	-	-	Not Used
	PK/BK	1303	Door Switch Signal		PK/BK	1303	Door Switch Signal
	D-BU	1658	Microphone (+) (Optional)		D-BU	1658	Microphone (+) (Optional)

X204 - Roof Harness to Floor Harness (-CE1)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	GY	161	Antenna Signal	1	GY	161	Antenna Motor Up (Hatchback Only)
2	PU	156	Courtesy Lamp Control	2	PU	156	Courtesy Lamp Control
3	PK	839	Ignition 1 Voltage	3	PK	839	Ignition 1 Voltage
4	D-GN/WH	900	Key Cylinder Lamp Control	4	D-GN/WH	900	Key Cylinder Lamp Control
5	OG	640	Battery Positive Voltage	5	OG	640	Battery Positive Voltage
					OG/BK (Except North America)		
6	BN	641	Ignition 3 Voltage	6	BN/WH	641	Ignition 3 Voltage (Hatchback)
	BN	641	Ignition 3 Voltage		BN	641	Ignition 3 Voltage (Notchback)
7	D-BU	1658	Microphone (+) (Optional)	7	D-BU	1658	Microphone (+) (Optional)
8	WH	1659	Microphone (-) (Optional)	8	WH	1659	Microphone (-) (Optional)
	PK/BK	1303	Door Switch Signal (Except North America)		PK/BK	1303	Door Switch Signal (Except North America)

X206 - I/P Harness to TCM Harness (Aisin)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	D-GN/WH	1135	Transmission Hold Signal	1	D-GN/WH	1135	Transmission Hold Signal
2	L-GN/BK	3013	Park/Neutral Position (PNP) Switch Drive Signal	2	WH	2377	Park/Neutral Position (PNP) Switch Drive Signal
3	D-GN/WH	817	Vehicle Speed Signal	3	D-GN/WH	817	Vehicle Speed Signal
4	YE	710	CAN Serial Data Low	4	YE	710	CAN Serial Data Low

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

5	YE	1481	Hold Mode Indicator Control	5	YE	1481	Hold Mode Indicator Control
6	L-GN/RD	3012	Park/Neutral Position (PNP) Switch Neutral Signal	6	YE	2381	Park/Neutral Position (PNP) Switch Neutral Signal
7	BK	250	Ground	7	BK/WH	51	Ground
8	OG/BK	434	Automatic Transmission Shift Lock Control	8	OG/BK	434	Automatic Transmission Shift Lock Control
9	L-BU	20	Stop Lamp Supply Voltage/ Stop Lamp Switch Signal	9	L-BU	20	Stop Lamp Supply Voltage/ Stop Lamp Switch Signal
10	-	-	Not Used	10	-	-	Not Used
11	L-GN/RD	3011	Park/Neutral Position (PNP) Switch Reverse Signal	11	D-GN/WH	2383	Park/Neutral Position (PNP) Switch Reverse Signal
12	PK	539	Ignition 1 Voltage	12	PK	839	Ignition 1 Voltage
13-14	-	-	Not Used	13-14	-	-	Not Used
15	D-GN	2384	Park/Neutral Position (PNP) Switch 2nd Gear Signal	15	PK	2384	Park/Neutral Position (PNP) Switch 2nd Gear Signal
16	D-BU/RD	3010	Park/Neutral Position (PNP) Switch Park Signal	16	D-GN	2382	Park/Neutral Position (PNP) Switch Park Signal
17	L-GN	24	Backup Lamp Supply Voltage	17	D-GN/WH	24	Backup Lamp Supply Voltage
18	OG	440	Battery Positive Voltage	18	OG	440	Battery Positive Voltage
19	PU	2000	Keyword Serial Data	19	D-BU	2000	Keyword Serial Data
20	PK	839	Ignition 1 Voltage	20	-	-	Not Used
21	GY	2380	Park/Neutral Position (PNP) Switch Low Gear Signal	21	GY	2380	Park/Neutral Position (PNP) Switch Low Gear Signal
22	PU	1807	CAN Serial Data High	22	PU	1807	CAN Serial Data High

X206 - I/P Harness to TCM Harness (ZF-4HP16)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	D-GN/WH	1135	Transmission Hold Signal	1	D-GN/WH	1135	Transmission Hold Signal
2	L-GN/BK	3013	Park/Neutral Position (PNP) Switch L4 Signal	2	L-GN/BK	3013	Park/Neutral Position (PNP) Switch L4 Signal
3	D-GN/WH	817	Vehicle Speed Signal	3	D-GN/WH	817	Vehicle Speed Signal
4	YE	710	CAN Serial Data Low	4	YE	710	CAN Serial Data Low
5	YE	1481	Hold Mode Indicator Control	5	YE	1481	Hold Mode Indicator Control
6	L-GN/RD	3012	Park/Neutral Position	6	RD/D-BU	3012	Park/Neutral Position

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			(PNP) Switch L3 Signal				(PNP) Switch L3 Signal
7	BK	250	Ground	7	BK/WH	251	Ground
8	OG/BK	434	Automatic Transmission Shift Lock Control	8	OG/BK	434	Automatic Transmission Shift Lock Control
9	L-BU	20	Stop Lamp Supply Voltage/ Stop Lamp Switch Signal	9	L-BU	20	Stop Lamp Supply Voltage/ Stop Lamp Switch Signal
10	-	-	Not Used	10	-	-	Not Used
11	L-GN/RD	3011	Park/Neutral Position (PNP) Switch L2 Signal	11	L-GN/RD	3011	Park/Neutral Position (PNP) Switch L2 Signal
12	PK	539	Ignition 1 Voltage	12	PK	439	Ignition 1 Voltage
13-14	-	-	Not Used	13-14	-	-	Not Used
15	D-GN	2384	Park/Neutral Position (PNP) Switch 2nd Gear Signal (Except North America)	15	D-GN	3017	Transmission Mode Signal Power
16	D-BU/RD	3010	Park/Neutral Position (PNP) Switch L1 Signal	16	D-BU/RD	3010	Park/Neutral Position (PNP) Switch L1 Signal
17	L-GN	24	Backup Lamp Supply Voltage	17	L-GN	24	Backup Lamp Supply Voltage
18	OG	440	Battery Positive Voltage	18	OG	440	Battery Positive Voltage
19	PU	2000	Keyword Serial Data	19	BN	2000	Keyword Serial Data
20	PK	839	Ignition 1 Voltage	20	PK	839	Ignition 1 Voltage
21	GY	2380	Park/Neutral Position (PNP) Switch Low Gear Signal (Except North America)	21	-	-	Not Used
22	PU	1807	CAN Serial Data High	22	PU	1807	CAN Serial Data High

X207 - SIR Harness to I/P Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	YE	1139	Ignition 1 Voltage	1	PK	1139	Ignition 1 Voltage
2	BN/WH	238	Seat Belt Switch Left	2	BK/WH	238	Seat Belt Switch Left
3	D-GN	358	Air Bag Indicator Control	3	BN	358	Air Bag Indicator Control
4	L-BU	327	SIR Serial Data	4	L-BU	327	SIR Serial Data
5	-	-	Not Used (RHD)	5	-	-	Not Used (RHD)
	PK	939	Ignition 1 Voltage (LHD)		PK	939	Ignition 1 Voltage (LHD)
6	D-GN/WH	1358	Air Bag Indicator Control (North America Only)	6	D-GN/WH	1358	Air Bag Indicator Control (North America Only)

X208 - I/P Harness to HVAC Harness (C68)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	YE	61	Low Reference	1	YE	61	Low Reference
2	D-GN/WH	762	A/C Request Signal	2	D-GN/WH	762	A/C Request Signal
3	D-GN	44	Instrument Panel Lamps Dimmer Switch Signal	3	D-GN	44	Instrument Panel Lamps Dimmer Switch Signal
4	BN/WH	309	Right Park Lamp Supply Voltage	4	BN/WH	309	Right Park Lamp Supply Voltage
5	D-GN/WH	817	Vehicle Speed Signal	5	D-GN/RD	817	Vehicle Speed Signal
6	BN	41	Ignition 3 Voltage	6	BN	41	Ignition 3 Voltage
7	-	-	Not Used	7	-	-	Not Used
8	OG	1140	Battery Positive Voltage	8	OG	1140	Battery Positive Voltage
9	L-GN/BK	735	Ambient Air Temperature Sensor	9	L-GN/BK	735	Ambient Air Temperature Sensor
10	BN	247	High Speed Blower Relay Control	10	-	-	Not Used
11	WH	193	Rear Defog Relay Control	11	WH	193	Rear Defog Relay Control
12	PU	65	Blower Motor Feed	12	YE	744	Blower Motor Supply Voltage
13	BK	1050	Ground	13	BK	350	Ground
14	D-GN	95	Windshield Washer Switch Signal	14	D-GN	95	Windshield Washer Switch Signal
15	-	-	Not Used (Gasoline)	15	-	-	Not Used (Gasoline)
	WH/RD	-	PTC Request (Diesel)		WH/RD	-	PTC Request (Diesel)

X209 - HVAC Harness to Auxiliary HVAC Harness (C68, Gasoline)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	OG	1140	Battery Positive Voltage	1	OG	1140	Battery Positive Voltage
2	PK/WH	1648	Recirculation Door Control A	2	PK/WH	1648	Recirculation Door Control A
3	-	-	Not Used	3	-	-	Not Used
4	D-GN/BK	1647	Recirculation Door Control B	4	D-GN/BK	1647	Recirculation Door Control B
5	L-GN/BK	735	Ambient Air Temperature Sensor Signal	5	L-GN/BK	735	Ambient Air Temperature Sensor Signal
6	D-BU/BK	247	High Speed Blower Relay Control	6	D-BU/BK	247	High Speed Blower Relay Control
7	D-GN	95	Windshield Washer Switch Signal	7	D-GN	95	Windshield Washer Switch Signal
8	D-GN/RD	817	Vehicle Speed Signal	8	D-GN/RD	817	Vehicle Speed Signal
9	D-BU	188	Blower Motor Supply Voltage	9	D-BU	188	Blower Motor Supply Voltage
10	WH	193	Rear Defog Relay Signal	10	WH	193	Rear Defog Relay Signal

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

11	BN	41	Ignition 3 Voltage	11	BN	41	Ignition 3 Voltage
12	BN/WH	309	Right Park Lamp Supply Voltage	12	BN/WH	309	Right Park Lamp Supply Voltage
13	D-GN	44	Instrument Panel Lamps Dimming Control	13	D-GN	44	Instrument Panel Lamps Dimming Control
14	BN/WH	762	A/C Request Signal	14	BN/WH	762	A/C Request Signal
15	YE	61	Low Reference	15	YE	61	Low Reference
16-18	-	-	Not Used	16-18	-	-	Not Used
19	BK	350	Ground	19	BK	350	Ground
20	GY/BK	754	Blower Motor Speed Control	19	GY/BK	754	Blower Motor Speed Control

X211 - I/P Harness to Body Harness (Diesel)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN	-	APP Sensor 1 5-Volt Reference	1	BN	-	APP Sensor 1 5-Volt Reference
2	BU	-	APP Sensor 1 Signal	2	BU	-	APP Sensor 1 Signal
3	L-BU	-	APP Sensor 1 Low Reference	3	L-BU	-	APP Sensor 1 Low Reference
4	PU	-	APP Sensor 2 Low Reference	4	PU	-	APP Sensor 2 Low Reference
5	BN/WH	-	Cruise Control Clutch Switch Signal	5	BN/BK	-	Cruise Control Clutch Switch Signal
6	WH	-	Cruise Indicator Control	6	WH	-	Cruise Indicator Control
7	PU	-	Fuel Warning Signal	7	PU	-	Fuel Warning Signal
8	BN	-	Brake Pedal Switch Signal	8	BN	-	Brake Pedal Switch Signal
9	BN/BK	-	APP Sensor 2 5-Volt Reference	9	BN/BK	-	APP Sensor 2 5-Volt Reference
10	WH	-	APP Sensor 2 Signal	10	WH	-	APP Sensor 2 Signal
11	BU/WH	-	PTC 1 Relay Switch Output	11	BU/WH	-	PTC 1 Relay Switch Output
12	BN	-	PTC 3 Relay Switch Output	12	BN	-	PTC 3 Relay Switch Output
13	YE/BK	-	PTC 2 Relay Switch Output	13	YE/BK	-	PTC 2 Relay Switch Output
14	BN/WH	-	Water In Fuel Indicator Control	14	BN/WH	-	Water In Fuel Indicator Control
15	GN/WH	-	PTC Request	15	GN/WH	-	PTC Request

X212 - I/P Harness to PTC Harness (Diesel)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BU/WH	-	PTC 1 Relay Switch Output	1	BU/WH	-	PTC 1 Relay Switch Output

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

2	BN	-	PTC 3 Relay Switch Output	2	BN	-	PTC 3 Relay Switch Output
3	YE/BK	-	PTC 2 Relay Switch Output	3	YE/BK	-	PTC 2 Relay Switch Output

X213 - TCM Lead to TCM Harness (Diesel)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	YE/BK	-	Output Shaft Speed Sensor Low	1	YE/BK	-	Output Shaft Speed Sensor Low
2	BU/WH	-	Output Shaft Speed Sensor High	2	BU/WH	-	Output Shaft Speed Sensor High
3	BU/WH	-	Input Shaft Speed Sensor Low	3	BU/WH	-	Input Shaft Speed Sensor Low
4	YE/BK	-	Input Shaft Speed Sensor High	4	YE/BK	-	Input Shaft Speed Sensor High
5	GN/WH	-	Reverse Signal	5	GN/WH	-	Reverse Signal
6	OG/BK	-	Transmission Fluid Temperature Sensor Ground	6	OG/BK	-	Transmission Fluid Temperature Sensor Ground
7	BU	-	Clutch Pressure Solenoid Control	7	BU	-	Clutch Pressure Solenoid Control
8	L-BU	-	L-Up Solenoid Control	8	L-BU	-	L-Up Solenoid Control
9	YE/BK	-	Pressure Solenoid Control	9	YE/BK	-	Pressure Solenoid Control
10	PK	-	Ignition 1 Voltage	10	PK	-	Ignition 1 Voltage
11	BK/WH	-	Ground	11	BK/WH	-	Ground
12	BN/WH	-	Shift Solenoid 4 Control	12	BN/WH	-	Shift Solenoid 4 Control
13	YE/BK	-	Shift Solenoid 2 Control	13	YE/BK	-	Shift Solenoid 2 Control
14	PU	-	Transmission Fluid Temperature Sensor Signal	14	PU	-	Transmission Fluid Temperature Sensor Signal
15	L-BU	-	Clutch Pressure Solenoid Supply Voltage	15	L-BU	-	Clutch Pressure Solenoid Supply Voltage
16	PK	-	Ignition 1 Voltage	16	PK	-	Ignition 1 Voltage
17	BU	-	L-Up Solenoid Supply Voltage	17	BU	-	L-Up Solenoid Supply Voltage
18	RD	-	Pressure Solenoid Supply Voltage	18	RD	-	Pressure Solenoid Supply Voltage
19	YE/WH	-	Shift Solenoid 5 Control	19	YE/WH	-	Shift Solenoid 5 Control
20	PK	-	Shift Solenoid 3 Control	20	PK	-	Shift Solenoid 3 Control
21	PK	-	Park/Neutral Signal	21	PK	-	Park/Neutral Signal
22	L-GN	-	Shift Solenoid 1 Control	22	L-GN	-	Shift Solenoid 1 Control
23	GN	-	C Signal	23	GN	-	C Signal
24	WH	-	B Signal	24	WH	-	B Signal

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

25	WH	-	PA Signal	25	WH	-	PA Signal
26	WH	-	A Signal	26	WH	-	A Signal

X301 - SIR Harness to Floor Harness (Except North America)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	RD/YE	753	Side Impact Sensor - Driver Voltage	1	PK	753	Side Impact Sensor - Driver Voltage
2	PK/WH	714	Side Impact Sensor - Passenger Voltage	2	PK/WH	714	Side Impact Sensor - Passenger Voltage
3	PK	1184	Seat Belt Pretensioner - Driver Low Control	3	YE/D-BU	1184	Seat Belt Pretensioner - Driver Low Control
4	BK	754	Side Impact Sensor - Driver Signal	4	BK/WH	754	Side Impact Sensor - Driver Signal
5	BN/WH	715	Side Impact Sensor - Passenger Signal	5	BN/WH	715	Side Impact Sensor - Passenger Signal
6	D-BU/WH	1187	Seat Belt Pretensioner - Passenger Low Control	6	RD/BK	1187	Seat Belt Pretensioner - Passenger Low Control
7	PK/BK	1186	Seat Belt Pretensioner - Passenger High Control	7	D-BU/WH	1186	Seat Belt Pretensioner - Passenger High Control
8	D-PU	1185	Seat Belt Pretensioner - Driver High Control	8	PU	1185	Seat Belt Pretensioner - Driver High Control

X301 - SIR to Floor Harness (North America)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	2103	Front End Sensor - Right - Voltage	1	PU	2103	Front End Sensor - Right - Voltage
2	BN/BK	2105	Front End Sensor - Left - Voltage	2	BN/BK	2105	Front End Sensor - Left - Voltage
3	RD/YE	753	Side Impact Sensor - Driver Voltage (w/Side Air Bags)	3	PK	753	Side Impact Sensor - Driver Voltage (w/Side Air Bags)
4	Pk/WH	714	Side Impact Sensor - Passenger Voltage (w/Side Air Bags)	4	Pk/WH	714	Side Impact Sensor - Passenger Voltage (w/Side Air Bags)
5	PK	1184	Seat Belt Pretensioner - Driver - Low Control	5	YE/D-BU	1184	Seat Belt Pretensioner - Driver - Low Control
6	D-GN/WH	2104	Front End Sensor - Right - Signal	6	D-GN/WH	2104	Front End Sensor - Right - Signal
7	L-GN/RD	2106	Front End Sensor - Left - Signal	7	L-GN/RD	2106	Front End Sensor - Left - Signal
8	BK	754	Side Impact Sensor Driver Signal (w/Side Air Bags)	8	BK/WH	754	Side Impact Sensor Driver Signal (w/Side Air Bags)
9	BN/WH	715	Side Impact Sensor Passenger Signal	9	BN/WH	715	Side Impact Sensor Passenger Signal

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			(w/Side Air Bags)				(w/Side Air Bags)
10	D-BU/WH	1187	Seat Belt Pretensioner - Passenger - Low Control	10	RD/BK	1187	Seat Belt Pretensioner - Passenger - Low Control
11	PK/BK	1186	Seat Belt Pretensioner - Passenger - High Control	11	D-BU/WH	1186	Seat Belt Pretensioner - Passenger - High Control
12	D-BU	1185	Seat Belt Pretensioner - Driver - High Control	12	PU	1185	Seat Belt Pretensioner - Driver - High Control

X302 - I/P Harness to Console Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	YE	243	Ignition 3 Voltage	1	YE	243	Ignition 3 Voltage
2	BK	1050	Ground	2	BK	1050	Ground
3	D-GN/WH	1135	Transmission Hold Signal	3	D-GN/WH	1135	Transmission Hold Signal
4	BK	1050	Ground	4	BK	1050	Ground
5	BN/WH	309	Right Park Lamp Supply Voltage	5	BN/WH	309	Right Park Lamp Supply Voltage
					BN/WH	390	Right Park Lamp Supply Voltage
6	D-GN	44	Instrument Panel Lamps Dimmer Switch Signal	6	D-GN	44	Instrument Panel Lamps Dimmer Switch Signal
					D-GN	44	Instrument Panel Lamps Dimmer Switch Signal

X351 - Floor Harness to Left Front Door Harness (LHD)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	201	Left Front Speaker Output (+)	1	PU	201	Left Front Speaker Output (+)
2	GY/WH	118	Left Front Speaker Output (-)	2	GY/WH	118	Left Front Speaker Output (-)
3	YE	356	Driver Door Lock Relay Unlock Control	3	YE	356	Driver Door Lock Relay Unlock Control
4	WH	194	Door Unlock Control	4	WH	194	Door Unlock Control
5	PU	167	Power Window Master Switch Passenger Front Down Signal	5	PU	167	Power Window Master Switch Passenger Front Down Signal
6	L-BU	166	Power Window Master Switch Passenger Front Up Signal	6	L-BU	166	Power Window Master Switch Passenger Front Up Signal
7	GY/BK	90	Passenger Mirror Motor Left Control	7	GY	90	Passenger Mirror Motor Left Control
8	PU/WH	889	Passenger Mirror Motor Down Control	8	PU/WH	889	Passenger Mirror Motor Down Control

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

9	RD/WH	881	Passenger Mirror Motor Right Control	9	RD/WH	881	Passenger Mirror Motor Right Control
10	RD	581	Power Window Supply Voltage - Driver Door	10	RD	581	Power Window Supply Voltage - Driver Door
11	L-GN/WH	355	Driver Door Lock Relay Lock Control	11	L-GN/WH	355	Driver Door Lock Relay Lock Control
12	D-BU	1307	Power Window Master Switch Lockout Control	12	D-BU	1307	Power Window Master Switch Lockout Control
13	L-BU	195	Door Lock Control	13	L-BU	195	Door Lock Control
14	PU/RD	169	Power Window Master Switch Left Rear Down Signal	14	PU/RD	169	Power Window Master Switch Left Rear Down Signal
15	D-GN	168	Power Window Master Switch Left Rear Up Signal	15	D-GN	168	Power Window Master Switch Left Rear Up Signal
16	BN	253	Trunk Release Relay Control	16	BN	253	Trunk Release Relay Control
17	OG	640	Battery Positive Voltage	17	OG	640	Battery Positive Voltage
18	BN/BK BN	641	Ignition 3 Voltage	18	BN	141	Ignition 3 Voltage
19	BK	1150	Ground	19	BK	1150	Ground
20	BK	1150	Ground	20	BK	1150	Ground
21	OG	580	Power Window Supply Voltage	21	OG	580	Power Window Supply Voltage
22	GY	1118	Left Speaker Output (+) Optional	22	D-GN	1118	Left Speaker Output (+) Optional
23	PU/WH	171	Power Window Master Switch Right Rear Down Signal	23	PU/WH	171	Power Window Master Switch Right Rear Down Signal
24	L-GN	170	Power Window Master Switch Right Rear Up Signal	24	L-GN	170	Power Window Master Switch Right Rear Up Signal
25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)	25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)
26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)	26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)
27	OG	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage	27	OG/WH	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage
28	GY	295	Door Lock Actuator Lock Control	28	GY	295	Door Lock Actuator Lock Control
29	L-GN	1370	Driver Door Lock Switch Signal	29	L-GN	1370	Driver Door Lock Switch Signal

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

30	PU/WH	294	Door Lock Actuator Unlock Control	30	PU/WH	294	Door Lock Actuator Unlock Control
31	BN/WH	1201	Left Speaker Output (-) Optional	31	PU	1201	Left Speaker Output (-) Optional
32	YE/GN	749	Security Indicator Control (w/Alarm)	32	YE	749	Security Indicator Control (w/Alarm)
33	GY/RD	2232	Folding Mirror Switch Signal (w/Folding Mirrors)	33	GY/BK	2232	Folding Mirror Switch Signal (w/Folding Mirrors)

X351 - Floor Harness to Left Front Door Harness (RHD)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	201	Left Front Speaker Output (+)	1	L-GN	201	Left Front Speaker Output (+)
2	GY/WH	118	Left Front Speaker Output (-)	2	D-GN	118	Left Front Speaker Output (-)
3-4	-	-	Not Used	3-4	-	-	Not Used
5	PU	167	Power Window Master Switch Passenger Front Down Signal	5	PU	167	Power Window Master Switch Passenger Front Down Signal
6	L-BU	166	Power Window Master Switch Passenger Front Up Signal	6	L-BU	166	Power Window Master Switch Passenger Front Up Signal
7	GY/BK	90	Passenger Mirror Motor Left Control	7	GY/BK	90	Passenger Mirror Motor Left Control
8	PU/WH	889	Passenger Mirror Motor Down Control	8	PU/WH	889	Passenger Mirror Motor Down Control
9	RD/WH	881	Passenger Mirror Motor Right Control	9	RD/WH	881	Passenger Mirror Motor Right Control
10	-	-	Not Used	10	-	-	Not Used
11	BK	350	Ground (Hatchback)	11	BK	350	Ground (Hatchback)
	BK	1150	Ground (Notchback)		BK	1150	Ground (Notchback)
12	D-BU	1307	Power Window Master Switch Lockout Control	12	D-BU	1307	Power Window Master Switch Lockout Control
13-24	-	-	Not Used	13-24	-	-	Not Used
25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)	25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)
26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)	26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)
27	OG	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage	27	OG/WH	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage
			Door Lock Actuator				Door Lock Actuator

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

28	GY	295	Lock Control	28	GY	295	Lock Control
29	PU	1371	Passenger Door Lock Switch Signal	29	PU	1371	Passenger Door Lock Switch Signal
30	PU/WH	294	Door Lock Actuator Unlock Control	30	PU/WH	294	Door Lock Actuator Unlock Control
31-33	-	-	Not Used	31-33	-	-	Not Used

X361 - Floor Harness to Right Front Door Harness (LHD)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	L-GN	200	Right Front Speaker Output (+)	1	L-GN	200	Right Front Speaker Output (+)
2	D-GN	117	Right Front Speaker Output (-)	2	D-GN	117	Right Front Speaker Output (-)
3-4	-	-	Not Used	3-4	-	-	Not Used
5	PU	167	Power Window Master Switch Passenger Front Down Signal	5	PU	167	Power Window Master Switch Passenger Front Down Signal
6	L-BU	166	Power Window Master Switch Passenger Front Up Signal	6	L-BU	166	Power Window Master Switch Passenger Front Up Signal
7	GY/BK	90	Passenger Mirror Motor Left Control	7	GY/BK	90	Passenger Mirror Motor Left Control
8	PU/WH	889	Passenger Mirror Motor Down Control	8	PU/WH	889	Passenger Mirror Motor Down Control
9	RD/WH	881	Passenger Mirror Motor Right Control	9	RD/WH	881	Passenger Mirror Motor Right Control
10	-	-	Not Used	10	-	-	Not Used
11	BK	350	Ground	11	BK	350	Ground
12	D-BU	1307	Power Window Master Switch Lockout Control	12	D-BU	1307	Power Window Master Switch Lockout Control
13-24	-	-	Not Used	13-24	-	-	Not Used
25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)	25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)
26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)	26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)
27	OG	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage	27	OG/WH	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage
28	GY	295	Door Lock Actuator Lock Control	28	GY	295	Door Lock Actuator Lock Control
29	PU	1371	Driver Door Lock Switch Signal	29	PU	1371	Driver Door Lock Switch Signal

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

30	PU/WH	294	Door Lock Actuator Unlock Control	30	PU/WH	294	Door Lock Actuator Unlock Control
31-33	-	-	Not Used	31-33	-	-	Not Used

X361 - Floor Harness to Right Front Door Harness (RHD)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	200	Right Front Speaker Output (+)	1	PU	200	Right Front Speaker Output (+)
2	GY/WH	117	Right Front Speaker Output (-)	2	GY/WH	117	Right Front Speaker Output (-)
3	YE	356	Driver Door Lock Relay Unlock Control	3	WH	356	Driver Door Lock Relay Unlock Control
4	WH	194	Door Unlock Control	4	WH	194	Door Unlock Control
5	PU	167	Power Window Master Switch Passenger Front Down Signal	5	PU	167	Power Window Master Switch Passenger Front Down Signal
6	L-BU	166	Power Window Master Switch Passenger Front Up Signal	6	L-BU	166	Power Window Master Switch Passenger Front Up Signal
7	GY/BK	90	Passenger Mirror Motor Left Control	7	GY/BK	90	Passenger Mirror Motor Left Control
8	PU/WH	889	Passenger Mirror Motor Down Control	8	PU/WH	889	Passenger Mirror Motor Down Control
9	RD/WH	881	Passenger Mirror Motor Right Control	9	RD/WH	881	Passenger Mirror Motor Right Control
10	RD	581	Power Window Supply Voltage - Driver Door	10	RD	581	Power Window Supply Voltage - Driver Door
11	L-GN/WH	355	Driver Door Lock Relay Lock Control	11	L-GN/WH	355	Driver Door Lock Relay Lock Control
	BK	350	Ground		BK	350	Ground
12	D-BU	1307	Power Window Master Switch Lockout Control	12	D-BU	1307	Power Window Master Switch Lockout Control
13	L-BU	195	Door Lock Control	13	L-BU	195	Door Lock Control
14	PU/RD	169	Power Window Master Switch Left Rear Down Signal	14	PU/RD	169	Power Window Master Switch Left Rear Down Signal
15	D-GN	168	Power Window Master Switch Left Rear Up Signal	15	D-GN	168	Power Window Master Switch Left Rear Up Signal
16	BN	253	Trunk Release Relay Control	16	BN	253	Trunk Release Relay Control
17	OG	640	Battery Positive Voltage	17	OG	640	Battery Positive Voltage
18	BN/BK	641	Ignition 3 Voltage	18	BN	641	Ignition 3 Voltage
19	BK	350	Ground	19	BK	1150	Ground

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

20	BK	350	Ground	20	BK	1150	Ground
21	OG	580	Power Window Supply Voltage	21	OG	580	Power Window Supply Voltage
22	D-GN	1118	Left Speaker Output (+) Optional	22	D-GN	1118	Left Speaker Output (+) Optional
23	PU/WH	171	Power Window Master Switch Right Rear Down Signal	23	PU/WH	171	Power Window Master Switch Right Rear Down Signal
24	L-GN	170	Power Window Master Switch Right Rear Up Signal	24	L-GN	170	Power Window Master Switch Right Rear Up Signal
25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)	25	L-GN/BK	2231	Folding Mirror Motor Extend Control (w/Folding Mirrors)
26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)	26	BN/WH	2230	Folding Mirror Motor Retract Control (w/Folding Mirrors)
27	OG	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage	27	OG	267	Heated Mirror/Rear Defog Relay Coil Supply Voltage
28	GY	295	Door Lock Actuator Lock Control	28	GY	295	Door Lock Actuator Lock Control
29	L-GN	1370	Driver Door Lock Switch Signal	29	L-GN	1370	Driver Door Lock Switch Signal
30	PU/WH	294	Door Lock Actuator Unlock Control	30	PU/WH	294	Door Lock Actuator Unlock Control
31	PU	1201	Left Speaker Output (-) Optional	31	PU	1201	Left Speaker Output (-) Optional
32	YE/D-GN	749	Security Indicator Control (w/Alarm)	32	YE	749	Security Indicator Control (w/Alarm)
33	GY/RD	2232	Folding Mirror Switch Signal (w/Folding Mirrors)	33	GY/BK	2232	Folding Mirror Switch Signal (w/Folding Mirrors)

X371 - Floor Harness to Left Rear Door Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	YE	116	Left Rear Speaker Output (-)	1	D-GN	116	Left Rear Speaker Output (-)
2-3	-	-	Not Used	2-3	-	-	Not Used
4	BN	199	Left Rear Speaker Output (+)	4	BN	199	Left Rear Speaker Output (+)
	L-GN	199	Left Rear Speaker Output (+) (Except North America)				
			Power Window Master				Power Window Master

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

5	D-GN	168	Switch Left Rear Up Signal (w/Power Windows)	5	D-GN	168	Switch Left Rear Up Signal (w/Power Windows)
6	D-BU	1307	Power Window Master Switch Lockout Control (w/Power Windows)	6	D-BU	1307	Power Window Master Switch Lockout Control (w/Power Windows)
7	PU/RD	169	Power Window Master Switch Left Rear Down Signal (w/Power Windows)	7	PU	169	Power Window Master Switch Left Rear Down Signal (w/Power Windows)
8	GY	295	Door Lock Actuator Lock Control	8	GY	295	Door Lock Actuator Lock Control
9	BK	1250	Ground (w/Power Windows)	9	BK	1250	Ground (w/Power Windows)
10	-	-	Not Used	10	-	-	Not Used
11	PU/WH	294	Door Lock Actuator Unlock Control	11	PU	294	Door Lock Actuator Unlock Control
	PU	294	Door Lock Actuator Unlock Control (Except North America)				

X381 - Floor Harness to Right Rear Door Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	L-BU	115	Right Rear Speaker Output (-)	1	D-GN	115	Right Rear Speaker Output (-)
2-3	-	-	Not Used	2-3	-	-	Not Used
4	D-BU/WH	46	Right Rear Speaker Output (+)	4	BN	199	Right Rear Speaker Output (+)
5	L-GN	170	Power Window Master Switch Right Rear Up Signal (w/Power Windows)	5	D-GN	168	Power Window Master Switch Right Rear Up Signal (w/Power Windows)
6	D-BU	1307	Power Window Master Switch Lockout Control (w/Power Windows)	6	D-BU	1307	Power Window Master Switch Lockout Control (w/Power Windows)
7	PU/WH	171	Power Window Master Switch Right Rear Down Signal (w/Power Windows)	7	PU	169	Power Window Master Switch Right Rear Down Signal (w/Power Windows)
8	GY	295	Door Lock Actuator Lock Control	8	GY	295	Door Lock Actuator Lock Control
9	BK	350	Ground (w/Power Windows)	9	BK	1250	Ground (w/Power Windows)
10	-	-	Not Used	10	-	-	Not Used
11	PU/WH	294	Door Lock Actuator	11	PU	294	Door Lock Actuator

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			Unlock Control				Unlock Control
--	--	--	----------------	--	--	--	----------------

X391 - Rear ABS Harness to Left Rear Wheel Speed Sensor Jumper

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	WH	885	Left Rear Wheel Speed Sensor Signal	1	WH	885	Left Rear Wheel Speed Sensor Signal
2	GY	884	Left Rear Wheel Speed Sensor Low Reference	2	BK	884	Left Rear Wheel Speed Sensor Low Reference

X392 - Rear ABS Harness to Right Rear Wheel Speed Sensor Jumper

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	WH	883	Right Rear Wheel Speed Sensor Signal	1	WH	883	Right Rear Wheel Speed Sensor Signal
2	GY	882	Right Rear Wheel Speed Sensor Low Reference	2	BK	882	Right Rear Wheel Speed Sensor Return

X401 - Trunk Harness to Floor Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	L-BU/PU	1986	EVAP Canister Vent Solenoid Control (North America)	1	L-BU/PU	1986	EVAP Canister Vent Solenoid Control
2	-	-	Not Used	2	-	-	Not Used
3	YE	20	Stop Lamp Supply Voltage	3	L-BU	20	Stop Lamp Supply Voltage
4	PK/BK	1846	Ignition 1 Voltage (North America)	4	PK/BK	1846	Ignition 1 Voltage
5	D-BU	15	Right Turn Signal Lamp Supply Voltage	5	D-BU	15	Right Turn Signal Lamp Supply Voltage
6	L-BU	14	Left Turn Signal Lamp Supply Voltage	6	L-BU/BK	14	Left Turn Signal Lamp Supply Voltage
7	PU	709	Left Park Lamp Supply Voltage	7	PU/BK	709	Left Park Lamp Supply Voltage
	PU	709	Left Park Lamp Supply Voltage				
8	BN/WH	309	Right Park Lamp Supply Voltage	8	BN/WH	309	Right Park Lamp Supply Voltage
	BN/WH	309	Right Park Lamp Supply Voltage				

X401 - Trunk Harness to Floor Harness (Notchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	D-BU	15	Right Turn Signal Lamp Supply Voltage	1	D-BU	15	Right Turn Signal Lamp Supply Voltage
2	BN/WH	309	Right Park Lamp Supply Voltage	2	BN/WH	309	Right Park Lamp Supply Voltage

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

3	YE	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal	3	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal
4	PU	709	Left Park Lamp Supply Voltage	4	PU/WH	709	Left Park Lamp Supply Voltage
5	L-BU	14	Left Turn Signal Lamp Supply Voltage	5	L-BU/BK	14	Left Turn Signal Lamp Supply Voltage
6	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)	6	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)
7	L-GN	24	Backup Lamp Supply Voltage	7	L-GN	24	Backup Lamp Supply Voltage
8	L-BU/PU	1986	EVAP Canister Vent Solenoid Control (North America)	8	L-BU/PU	1986	EVAP Canister Vent Solenoid Control (North America)
9	PK/BK	1846	Ignition 1 Voltage (North America)	9	PK/BK	1846	Ignition 1 Voltage (North America)
10	YE/BK	2001	GPS (Optional)	10	YE/BK	2001	GPS (Optional)

X402 - Trunk Lid Harness to Floor Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	L-BU	263	Rear Compartment Lid Ajar Switch Signal (w/RKE)	1	L-BU	263	Rear Compartment Lid Ajar Switch Signal (w/RKE)
2	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal	2	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal
3	BK	1250	Ground	3	BK	1250	Ground
4	PU	709	Left Park Lamp Supply Voltage	4	PU/BK PU/WH	709	Left Park Lamp Supply Voltage
5	BN	253	Trunk Release Relay Control	5	BN	253	Trunk Release Relay Control
6	PK/BK	1303	Rear Compartment Lid Ajar Switch Signal (w/RKE)	6	PK/BK	1303	Rear Compartment Lid Ajar Switch Signal (w/RKE)

X403 - Liftgate Jumper Harness to Floor Harness (Station Wagon)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	750	Ground	1	BK	750	Ground
2	BK	750	Ground	2	BK	750	Ground
3	PU	293	Rear Compartment Lid Ajar Switch Signal (w/RKE)	3	PU	293	Rear Compartment Lid Ajar Switch Signal (w/RKE)
4	-	-	Not Used	4	-	-	Not Used

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

X403 - Liftgate Jumper Harness to Floor Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	PU/WH	709	Left Park Lamp Supply Voltage
2	-	-	Not Used	2	-	-	Not Used
3	L-GN	24	Backup Lamp Supply Voltage	3	L-GN	24	Backup Lamp Supply Voltage
					L-GN	24	Backup Lamp Supply Voltage
4	-	-	Not Used	4	-	-	Not Used
5	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal	5	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal
6	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)	6	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)

X404 - Liftgate Jumper Harness to Floor Harness (Station Wagon)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	WH	393	Rear Window Wiper Motor Control	1	WH	393	Rear Window Wiper Motor Control
2	BN	441	Ignition 3 Voltage	2	RD/D-BU	441	Ignition 3 Voltage
3	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal	3	L-BU	20	Stop Lamp Supply Voltage/Stop Lamp Switch Signal
4	PK/BK	1303	Liftgate Switch Signal (w/RKE)	4	PK/BK	1303	Liftgate Switch Signal (w/RKE)
5	L-BU	263	Rear Compartment Lid Ajar Switch (w/RKE)	5	L-BU	263	Rear Compartment Lid Ajar Switch (w/RKE)
6	PU	294	Door Lock Actuator Unlock Control	6	PU	294	Door Lock Actuator Unlock Control
7	GY	295	Door Lock Actuator Lock Control	7	GY	295	Door Lock Actuator Lock Control
8	PU	709	Left Park Lamp Supply Voltage	8	PU	709	Left Park Lamp Supply Voltage

X404 - Liftgate Jumper Harness to Floor Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	294	Door Lock Actuator Unlock Control	1	PU/WH	294	Door Lock Actuator Unlock Control
2	GY	295	Door Lock Actuator Lock Control	2	GY	295	Door Lock Actuator Lock Control
3	L-BU	263	Rear Compartment Lid Ajar Switch (w/RKE)	3	L-BU	263	Rear Compartment Lid Ajar Switch (w/RKE)
			Liftgate Switch Signal				Liftgate Switch Signal

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

4	PK/BK	1303	(w/RKE)	4	PK/BK	1303	(w/RKE)
5	BN	441	Ignition 3 Voltage	5	RD/D-BU	441	Ignition 3 Voltage
6	WH	393	Rear Window Wiper Motor Control	6	WH	393	Rear Window Wiper Motor Control
7	PU D-GN	293	Rear Defog Element Supply Voltage	7	PU	293	Rear Defog Element Supply Voltage
8	-	-	Not Used	8	-	-	Not Used

X405 - Liftgate Jumper Harness to Liftgate Harness (w/o Rear Intermittent)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	PU	709	Left Park Lamp Supply Voltage
2	BK	750	Ground	2	BK	750	Ground
3	BK	750	Ground	3	BK	750	Ground
4	PK/BK	1303	Liftgate Switch Signal	4	PK/BK	1303	Liftgate Switch Signal
5	L-BU	20	Stop Lamp Supply Voltage	5	L-BU	20	Stop Lamp Supply Voltage
6	BN	441	Ignition 3 Voltage	6	PK	441	Ignition 3 Voltage
7	WH	393	Rear Window Wiper Motor Control	7	WH	393	Rear Window Wiper Motor Control
8	BK	750	Ground	8	BK	750	Ground

X405 - Liftgate Jumper Harness to Liftgate Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	WH	393	Rear Window Wiper Motor Control	1	WH	393	Rear Window Wiper Motor Control
2	BN	441	Ignition 3 Voltage	2	RD/BU	441	Ignition 3 Voltage
3	L-BU	20	Stop Lamp Supply Voltage	3	L-BU	20	Stop Lamp Supply Voltage
4	PK/BK	1303	Liftgate Switch Signal	4	PK/BK	1303	Liftgate Switch Signal
5	L-BU	263	Rear Compartment Lid Ajar Switch	5	L-BU	263	Rear Compartment Lid Ajar Switch
6	PU	294	Door Lock Actuator Unlock Control	6	PU	294	Door Lock Actuator Unlock Control
7	GY	295	Door Lock Actuator Lock Control	7	GY	295	Door Lock Actuator Lock Control
8	PU	709	Left Park Lamp Supply Voltage	8	PU	709	Left Park Lamp Supply Voltage

X405 - Liftgate Jumper Harness to Liftgate Harness (Hatchback w/Rear Intermittent)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	PU	709	Left Park Lamp Supply Voltage
2	BK	750	Ground	2	BK	750	Ground

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

3	BK	750	Ground	3	BK	750	Ground
4	D-GN	392	Rear Washer Switch Signal	4	D-GN	392	Rear Washer Switch Signal
5	L-GN	24	Backup Lamp Supply Voltage	5	L-GN	24	Backup Lamp Supply Voltage
6	L-BU	20	Stop Lamp Supply Voltage	6	L-BU	20	Stop Lamp Supply Voltage
7	BN	441	Ignition 3 Voltage	7	BN	441	Ignition 3 Voltage
8	WH	393	Rear Window Wiper Motor Control	8	WH	393	Rear Window Wiper Motor Control
9	BK	750	Ground	9	BK	750	Ground
10	-	-	Not Used	10	-	-	Not Used

X406 - Liftgate Jumper Harness to Liftgate Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)	1	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)
2	PK/BK	1303	Rear Compartment Lid Ajar Switch Signal (w/RKE)	2	PK/BK	1303	Rear Compartment Lid Ajar Switch Signal (w/RKE)
3	D-GN	293	Rear Defog Element Supply Voltage	3	D-GN	293	Rear Defog Element Supply Voltage
					PU	293	Rear Defog Element Supply Voltage (North America)
4	L-BU	263	Rear Compartment Lid Ajar Switch Signal (w/RKE)	4	L-BU	263	Rear Compartment Lid Ajar Switch Signal (w/RKE)
5	PU	294	Door Unlock Actuator Control	5	PU	294	Door Unlock Actuator Control
6	GY	295	Door Lock Actuator Control	6	GY	295	Door Lock Actuator Control

X406 - Liftgate Jumper Harness to Liftgate Harness (Station Wagon)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	750	Ground	1	BK	750	Ground
2	BK	750	Ground	2	BK	750	Ground
3	PU	293	Rear Defog Element Supply Voltage	3	PU	293	Rear Defog Element Supply Voltage
4	-	-	Not Used	4	-	-	Not Used

X407 - Trunk Harness to Left Tail Lamp Jumper Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

1	PU	709	Left Park Lamp Supply Voltage	1	PU	709	Left Park Lamp Supply Voltage
					WH/D-BU (North America)		
2	YE	20	Stop Lamp Switch Signal	2	YE	20	Stop Lamp Switch Signal
					RD (North America)		
3	BK	550	Ground	3	BK	550	Ground
					BK	550	Ground
4	L-BU	14	Left Turn Signal Lamps Supply Voltage	4	YE	14	Left Turn Signal Lamps Supply Voltage

X408 - Trunk Harness to Right Tail Lamp Jumper Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN/WH	309	Right Park Lamp Supply Voltage	1	WH/D-GN	309	Right Park Lamp Supply Voltage
2	YE	20	Stop Lamp Switch Signal	2	RD	20	Stop Lamp Switch Signal
3	BK	550	Ground	3	BK	550	Ground
					BK/WH (North America)	550	Ground
4	D-BU	15	Right Turn Signal Lamps Supply Voltage	4	YE	15	Right Turn Signal Lamps Supply Voltage

X417 - Trunk Harness to Left Side Marker Lamp Jumper Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	WH	709	Left Park Lamp Supply Voltage
2	BK	550	Ground	2	BK	550	Ground

X418 - Trunk Harness to Right Side Marker Lamp Jumper Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN/WH	309	Right Park Lamp Supply Voltage	1	WH	309	Right Park Lamp Supply Voltage
2	BK	550	Ground	2	BK	550	Ground

X420 - Tailgate Harness to Right Backup Lamp/Tail Lamp Jumper Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	750	Ground	1	BK/WH	550	Ground
2	BK	750	Ground	2	BK	550	Ground
3	L-GN	24	Backup Lamp Supply Voltage	3	WH	24	Backup Lamp Supply Voltage
			Rear Fog Lamp Supply				Rear Fog Lamp Supply

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

4	RD	122	Voltage (Except North America)	4	RD	122	Voltage (Except North America)
5	L-BU	20	Stop Lamp Switch Signal	5	RD	20	Stop Lamp Switch Signal
6	PU	709	Park Lamp	6	WH/D-GN	709	Park Lamp

X420 - Tailgate Harness to Right Backup Lamp/Tail Lamp Jumper Harness (Notchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	RD	122	Rear Fog Lamp Supply Voltage	1	WH	122	Rear Fog Lamp Supply Voltage
2	BK	550	Ground	2	BK	550	Ground
3	L-GN	24	Backup Lamp Supply Voltage	3	WH	24	Backup Lamp Supply Voltage
4	D-BU	15	Left Turn Signal Lamps Supply Voltage	4	YE	15	Left Turn Signal Lamps Supply Voltage
5	BN/WH	309	Left Park Lamp Supply Voltage	5	WH/BK	309	Left Park Lamp Supply Voltage
6	YE	20	Stop Lamp Switch Signal	6	RD	20	Stop Lamp Switch Signal

X421 - Tailgate Harness to Left Backup Lamp/Tail Lamp Jumper Harness (Notchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	RD	122	Rear Fog Lamp Supply Voltage	1	RD	122	Rear Fog Lamp Supply Voltage
2	BK	550	Ground	2	BK	550	Ground
3	L-GN	24	Backup Lamp Supply Voltage	3	WH	24	Backup Lamp Supply Voltage
4	L-BU	14	Left Turn Signal Lamps Supply Voltage	4	L-BU	14	Left Turn Signal Lamps Supply Voltage
5	PU	709	Left Park Lamp Supply Voltage	5	WH/D-GN	709	Left Park Lamp Supply Voltage
6	YE	20	Stop Lamp Switch Signal	6	YE	20	Stop Lamp Switch Signal

X421 - Tailgate Harness to Left Backup Lamp and Tail Lamp Jumper Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	750	Ground	1	BK/WH	550	Ground
2	BK	750	Ground	2	BK	550	Ground
3	L-GN	24	Backup Lamp Supply Voltage	3	WH	24	Backup Lamp Supply Voltage
4	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)	4	RD	122	Rear Fog Lamp Supply Voltage (w/Rear Fog Lamps)

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

5	L-BU	20	Stop Lamp Switch Signal	5	RD	20	Stop Lamp Switch Signal
6	PU	709	Park Lamp	6	WH/D-GN	709	Park Lamp

X422 Tailgate Harness to License Lamps Jumper Harness (Hatchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	750	Ground	1	WH	750	Ground
2	PU	709	Left Park Lamp Supply Voltage	2	BK	709	Left Park Lamp Supply Voltage

X422 Tailgate Harness to License Lamps Jumper Harness (Notchback)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	BK	709	Left Park Lamp Supply Voltage
2	BK	1250	Ground	2	WH	1250	Ground

X423 - Floor Harness to Left Backup Lamp/Tail Lamp Jumper Harness (Optional)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	650	Ground	1	BK	650	Ground
2	BK	650	Ground	2	BK	650	Ground
3	BK	650	Ground	3	BK	650	Ground
4	PU	709	Left Park Lamp Supply Voltage	4	PU	709	Left Park Lamp Supply Voltage
5	L-BU	20	Stop Lamp Switch Signal	5	L-BU	20	Stop Lamp Switch Signal
6	L-GN	24	Backup Lamp Supply Voltage	6	L-Gn	24	Backup Lamp Supply Voltage
7	L-BU	14	Left Turn Signal Lamp Supply Voltage	7	L-BU	14	Left Turn Signal Lamp Supply Voltage
8	RD	122	Rear Fog Lamp Supply Voltage	8	RD	122	Rear Fog Lamp Supply Voltage

X424 - Floor Harness to Right Backup Lamp/Tail Lamp Jumper Harness (Optional)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BK	550	Ground	1	BK	550	Ground
2	BK	550	Ground	2	BK	550	Ground
3	BK	550	Ground	3	BK	550	Ground
4	BN/WH	309	Left Park Lamp Supply Voltage	4	BN/WH	309	Left Park Lamp Supply Voltage
5	L-BU	20	Stop Lamp Switch Signal	5	L-BU	20	Stop Lamp Switch Signal
6	L-GN	24	Backup Lamp Supply Voltage	6	L-GN	24	Backup Lamp Supply Voltage
7	D-BU	15	Left Turn Signal Lamp	7	D-BU	15	Left Turn Signal Lamp

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

			Supply Voltage				Supply Voltage
8	RD	122	Rear Fog Lamp Supply Voltage	8	RD	122	Rear Fog Lamp Supply Voltage

X425 - Floor Harness to Left Side Marker Lamp Jumper Harness (Optional)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	PU	709	Left Park Lamp Supply Voltage	1	WH	709	Left Park Lamp Supply Voltage
2	BK	650	Ground	2	BK	650	Ground

X426 - Floor Harness to Right Side Marker Lamp Jumper Harness (Optional)

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	BN/WH	309	Right Park Lamp Supply Voltage	1	WH	309	Right Park Lamp Supply Voltage
2	BK	550	Ground	2	BK	550	Ground

X901 - Rear ABS Harness to Body Harness

Pin	Wire	Circuit	Function	Pin	Wire	Circuit	Function
1	GY	882	Right Rear Wheel Speed Sensor Signal	1	GY	882	Right Rear Wheel Speed Sensor Signal
2	WH	883	Right Rear Wheel Speed Sensor Return	2	WH	883	Right Rear Wheel Speed Sensor Return
3	GY	884	Left Rear Wheel Speed Sensor Return	3	GY	884	Left Rear Wheel Speed Sensor Return
4	WH	885	Left Rear Wheel Speed Sensor Signal	4	WH	885	Left Rear Wheel Speed Sensor Signal

Vehicle Zoning Table

Callout Numbers	Zone Description
100-199	Engine compartment- All forward of the dash panel Note: 001-099 are additional for the engine compartment - ONLY to be used if all 100-199 items are used
200-299	Within the instrument panel area
300-399	Passenger compartment - From the instrument panel to the rear wheelhouse
400-499	Luggage compartment - From the rear wheelhouse to the rear of the vehicle
500-599	Within the left front door

2008 Chevrolet Optra LT

2008 ELECTRICAL Wiring Systems and Power Management - Optra

600-699	Within the right front door
700-799	Within the left rear door
800-899	Within the right rear door
900-999	Within the luggage compartment lid or hatch