Subject: Roof Beacon Wiring Provisions
Models Years: 2019 - beyond
Affected: Chevrolet Silverado 1500-3500
GMC Sierra 1500 – 3500
(New Body Style only)
 Origination Date: August 21, 2019
Revision Date: January 5, 2021

ADVISORY:

Condition/Concern:
Dealers and Upfitters looking for information regarding the installation of a Roof Mounted Beacon.

Repair/Recommendation:
All New Body Style Full-size pickups and Chassis Cabs have roof beacon wiring provisions that are routed along with the wiring for the Center High Mount Stop Lamp (CHMSL).

With Roof Spoiler
On vehicles w/the roof spoiler on the back of the passenger cab the wiring exits the vehicle along with the spoiler integrated CHSML wiring and is loosely spooled inside a cavity of the spoiler (refer to Figure 1). A hole must be drilled into the top surface of the spoiler to gain access to the wires. The size of the hole should match the size of the grommet discussed in the steps outline below.

Figure 1
Drill access hole in this area

Disclaimer: GM Upfitter Integration Technical Bulletins are intended for use by professional technicians, NOT a “do-it-yourselfer”. They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service and/or modification of a vehicle. These properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. Contact GM Upfitter Integration for information on whether the information is applicable your vehicle.
1. Feed wires from the customer/upfitter provided roof beacon through the grommet selected to
   match the drilled hole.
2. Connect the beacon wires to the blunt cut wires (Beacon B+ to the Green/Blue/ Beacon Ground
to Black). Recommendation is to use weatherproof connection/splice and that the splice
   locations be staggered for ease of insertion into through the drilled hole and into the spoiler
cavity.
3. Insert splice into the hole/spoiler cavity
4. Install the grommet to seal the hole/wires.
5. Mount beacon in desired location

**Without Roof Spoiler**

On vehicles w/o the roof spoiler on the back of the passenger cab the wiring exits the vehicle
along with the CHSML wiring. To access the wiring (blunt cut) provisions remove the 2 screws
securing the CHMSL to the roof (refer to figure 2). Disconnect the CHMSL electrical connector.

1. Connect the beacon wires to the blunt cut wires (Beacon B+ to the Green/Blue/ Beacon Ground
to Black). Recommendation is to use weatherproof connection/splice and that the splice
   locations be staggered for ease of insertion into the opening in the cab roof.
2. Create a small notch on the bottom of the CHMSL using a round (rat-tail) file to route the wires
   through.
3. Insert splice into the cab roof opening
4. Re-install the CHMSL (be sure to route the wires in the notch to avoid pinching).
5. Seal notch with a dab of black sealer.
6. Mount beacon in desired location
Inside cab Wiring

The inside cab wiring provisions are in a connector located under the Instrument Panel as shown above in figure 3. This connector has its mating connector installed as a protection for the terminals in the IP harness side of the connector. This mating connector/cap can be used to connect a relay/switch (customer/upfitter provided) to power the beacon by populating the cavities for the circuits required to activate a relay (suggested) and for switch power/ground. See suggested mechanization below.

![Diagram of Inside cab Wiring](image)

**X260 Upfitter Provisional Connector**
- Battery – Cavity 7 Circuit 1242
- Ign./Run - Cavity 13 Circuit 39
- Ground - Cavity 1 Circuit 1050
- Roof Beacon – Cavity 8 Circuit 5989
- To Roof Beacon B+
- Ground

Battery Power
Ign./Run

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X260 Auxiliary Instrument Panel Harness to Instrument Panel Harness

Connector Part Information
- Harness Type: Auxiliary Instrument Panel
- OEM Connector: 10847017
- Service Connector: 13513605
- Description: 14-Way F 1.5, 2.8 Series (L-GY)

Connector Part Information
- Harness Type: Instrument Panel
- OEM Connector: 10846900
- Service Connector: 88956523
- Description: 14-Way M 1.5, 2.8 Series (L-GY)

Terminal Part Information

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**X260 Auxiliary Instrument Panel Harness to Instrument Panel Harness**

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