



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Compass Inaccurate (Inspect For A Magnetic Base Roof Mounted Accessory)

**Models:** 2009-2013 Chevrolet Silverado

2009-2013 GMC Sierra

*This PI was superseded to update model years. Please discard PIT5128.*

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

### Condition/Concern

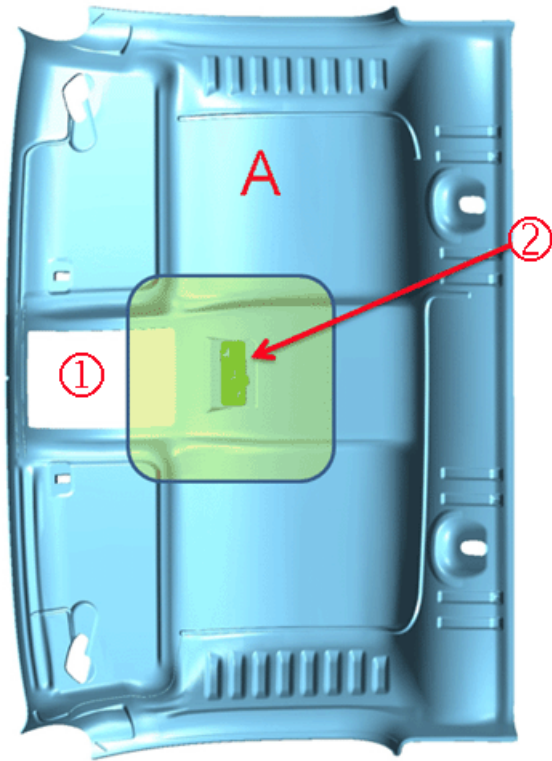
Some owners may comment that their compass is not accurate or slow to update. This may be caused by a magnetic base roof mounted accessory (beacon light, CB Antenna, etc.) interfering with the compass module. The compass module is attached to the headliner and if a magnetic base roof mounted accessory is placed in close proximity of the module it will affect its operation.

### Recommendation/Instructions

Shown below is the headliner of each model and where the compass module is located. The areas shaded in yellow, around the compass module, should be avoided when placing a magnetic base roof mounted accessory on the roof. The yellow shaded area is only an estimate, and depending on the size and strength of the magnetic base, it may need to be farther away from the compass module location.

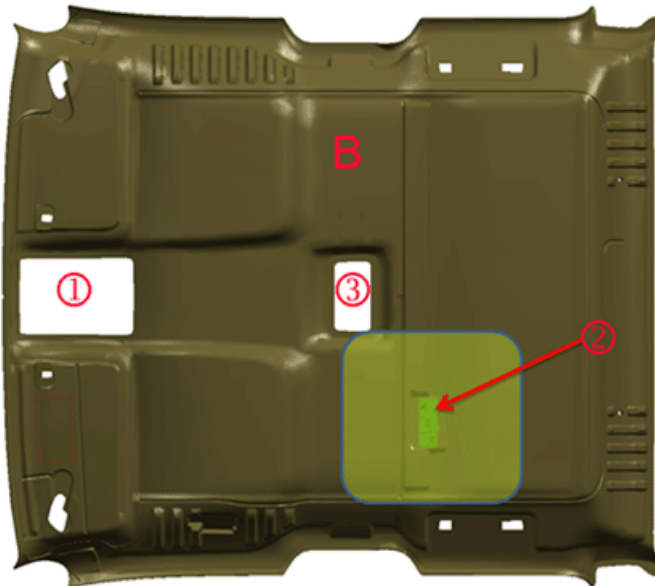
If a magnetic base was placed in the shaded area, once it is removed the compass issue may remain due to the roof sheet metal being magnetized. The use of a hand held needle compass, held over the roof sheet metal in the area above the compass module, will be inaccurate if the sheet metal is magnetized. The roof sheet metal may need to be degaussed using a degaussing coil, shown below (D). One known source for a degaussing coil is <http://www.frys.com/product/487898>, but most TV/Appliance repair shops will have a degaussing coil. Follow the instruction for the degaussing coil and degauss the roof area above the compass module.

#### A. Regular Cab



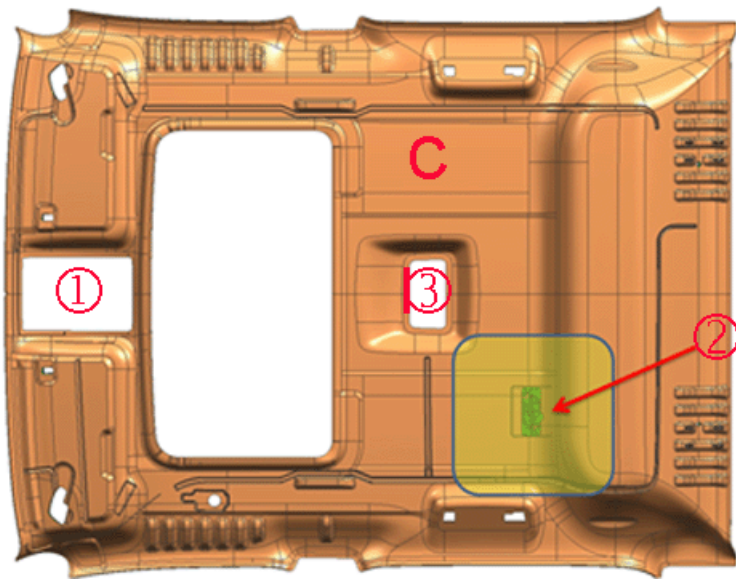
1. Front overhead console
2. Compass module

#### B. Extended Cab



1. Front overhead console
2. Compass module
3. 2nd Row Dome light

#### C. Crew Cab



1. Front overhead console
2. Compass module
3. 2nd Row Dome light

#### D. Degaussing Coil



Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

GM 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 of a vehicle. 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. See your GM dealer for information on whether your vehicle may benefit from the information.



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