CAN Alarm Interface for 2019 - 2021 Mercedes and Freightliner Sprinter (907)

Installation guide for 2019-2021 Mercedes and Freightliner Sprinter van (907) alarm integration CAN interface.

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INTRODUCTION

This interface will make adding an alarm to a 2019 - 2020 Mercedes or Freightliner van simple- giving door triggers, parking lights, and OEM key fob control over the vehicles CAN network.

Installation for the interface requires the following (all connections made in passenger kick area):

-Constant power and chassis ground

-Ignition power (supplied to alarm)

-CAN high

-CAN low

-RS232 data cable (connection between alarm module and 907INT interface). This cable will supply constant power and ground to the alarm.

In addition to the connections above, the alarm DAS3 sensor will need to be mounted to the firewall, the siren for the alarm connected and mounted, and whatever alarm accessories are being used (RF remotes, smart phone control, RPS touch, EZ go, indicator LED, thermistor, glass break sensor, etc.)

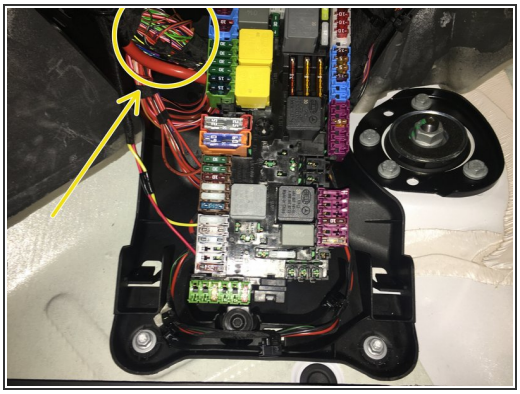
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Step 1 — Access fuse box and wiring harness



- Turn both plastic screws in the middle of passenger kick panel (below knee bolster) counter clockwise
- Remove panel and set aside
- Remove screw on door side of plastic floor cover
- Pull back plastic floor cover and remove emergency tool set and set aside
- Fuse box and wiring harness is below emergency kit

Step 2 — Locate CAN wires







- Locate wiring harness at top left corner of fuse box
- Locate brown and brown/red wires. They will be twisted together.

ⓘ Vehicles equipped with PSM will likely have a CAN distribution block located on the passenger side above the fuse box (pictured). For these vehicles, the CAN plug can be plugged directly into any empty spot on block with brown and brown/red wires

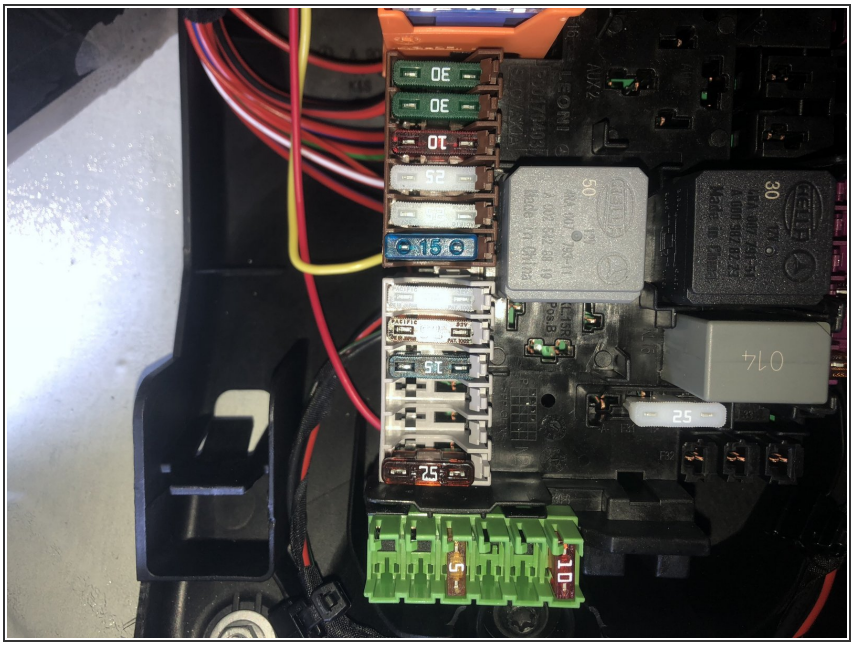
Step 3 — CAN Connections



- Connect and solder brown wire from 907INT harness to brown wire in factory harness (CAN low)
- Connect and solder brown/red wire from 907INT harness to brown/red wire in factory harness

⚠ Be sure to solder and insulate each connection

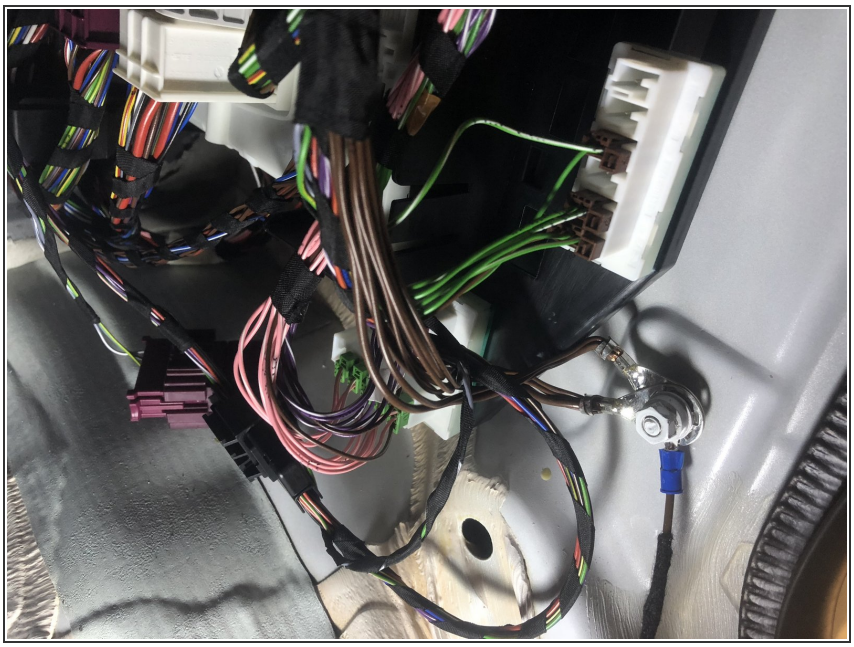
Step 4 — Connect power



- Connect red wire from alarm brain to constant power at fuse box (yellow wire)

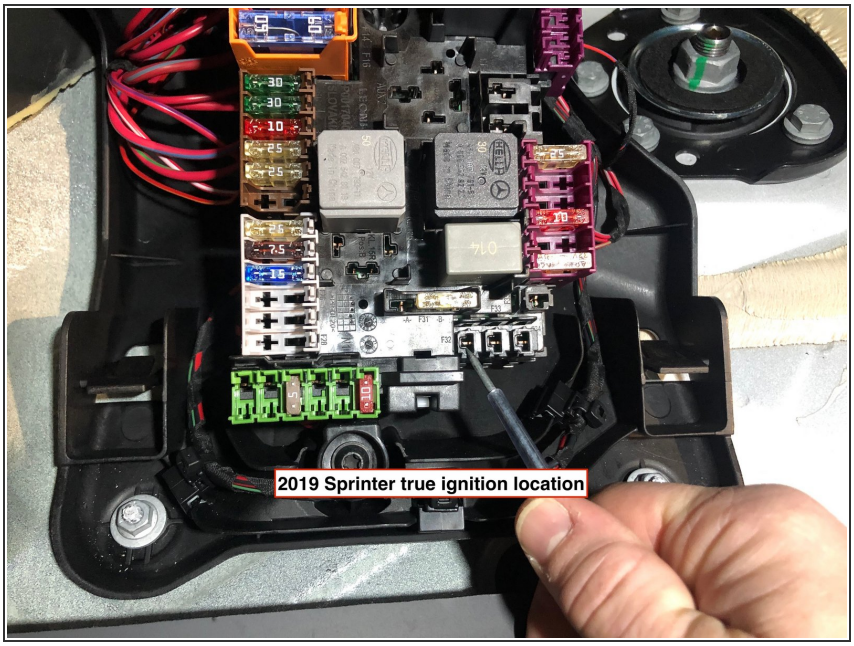
⚠ Be sure to solder and insulate all connections

Step 5 — Connect ground



- Connect black wire from alarm (located in 6 pin low-current harness) to chassis ground

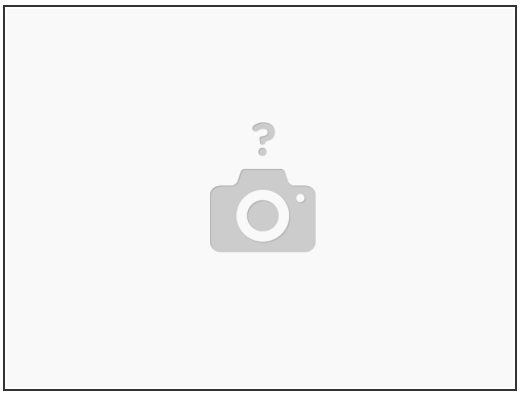
Step 6 — Connect ignition wire for alarm



- Connect green ignition wire from alarm with a diode (facing the alarm) from alarm brain to ignition source at fuse box

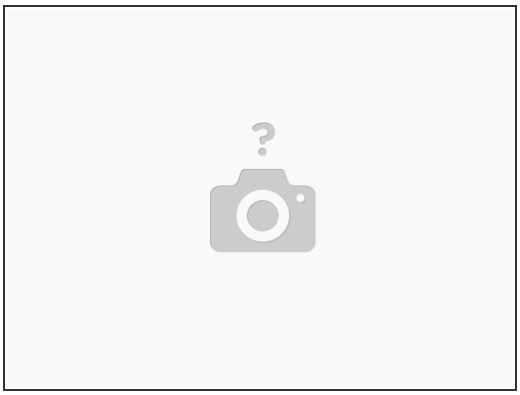
⚠ Be sure to insulate all connections

Step 7 — RS232 connection



- Connect one side of 4 pin RS232 cable into black port on Compustar alarm
- Connect other side of 4 pin RS232 cable to black port on 907INT module

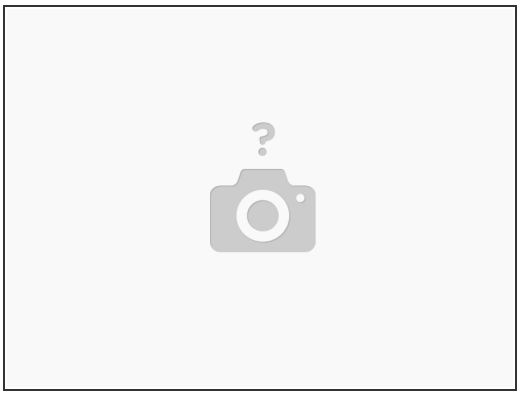
Step 8 — Mount alarm sensor



- Mount DAS3 sensor securely following CM7000/7200 guide

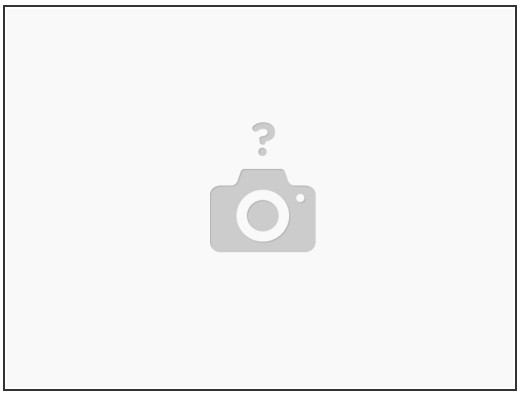
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Step 9 — Connect and mount siren



- Connect siren output from alarm to siren
- Connect black wire from siren to chassis ground

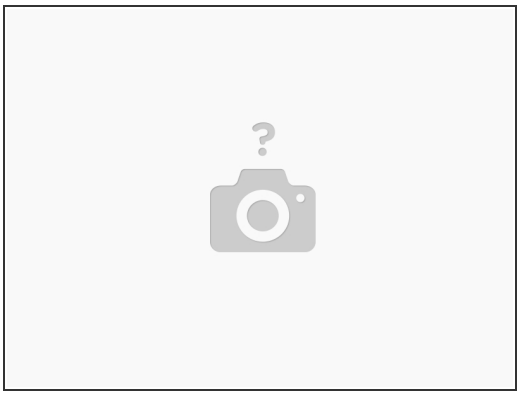
Step 10 — Test alarm operation



- Use OEM key fob to lock doors and check to see and confirm alarm is armed
- Use OEM key fob to unlock doors and confirm alarm disarms
- If OEM key fob arms and disarms the alarm, sit inside vehicle and arm alarm- open door from inside and confirm that alarm triggers

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Step 11 — OPTIONAL: Drone connection

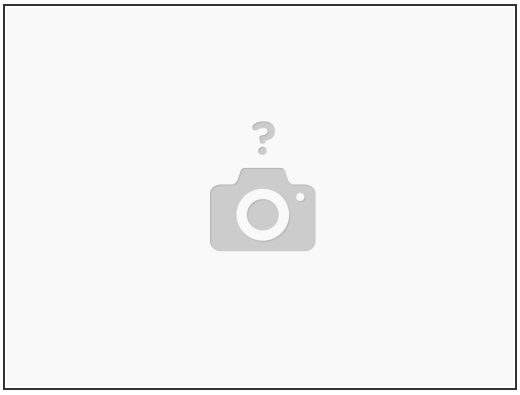


- If installing Drone smart phone control, connect, connect the 4 pin cable from the Drone module to the grey port (labeled 'D') on Compustar alarm

If installing Drone, a CM7000 must be used in order to have the necessary data ports available

- Setup Drone using Drone mobile application or desktop (www.dronemobile.com)

Step 12 — OPTIONAL: RF Remote Connection



- Plug RF antenna into corresponding 4 or 6 pin blue plug on Compustar alarm module
- Program RF remotes using push-to-start remote programming procedure in Compustar alarm instructions

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