INSTALLATION INSTRUCTIONS

C5 Corvette Ground Splice-Pack Corrosion Service Kit
Part Number 14017

The C5 Corvettes (1997-2004) are fantastic cars, but with nearly 20 years of use, the electrical ground system is showing itself as a weak link. There are many ground connections on these cars and the factory chose to bring most of these connections together into ten “splice packs”. These splice packs look much like a connector with each wire being terminated with a standard connector terminal. However, instead of a mating connector, the splice pack contains a shorting bar which connects all the terminals together.

These splice packs are not sealed and over time they will corrode, compromising the vital ground connections they supply. For cars exposed to harsh weather, cleaning or replacing the splice packs is often not enough. In these situations, you need to clip the ends of the ground wires and replace the terminal.

Of the ten splice packs in each C5, four of them are located in the engine bay and are the most susceptible to corrosion.

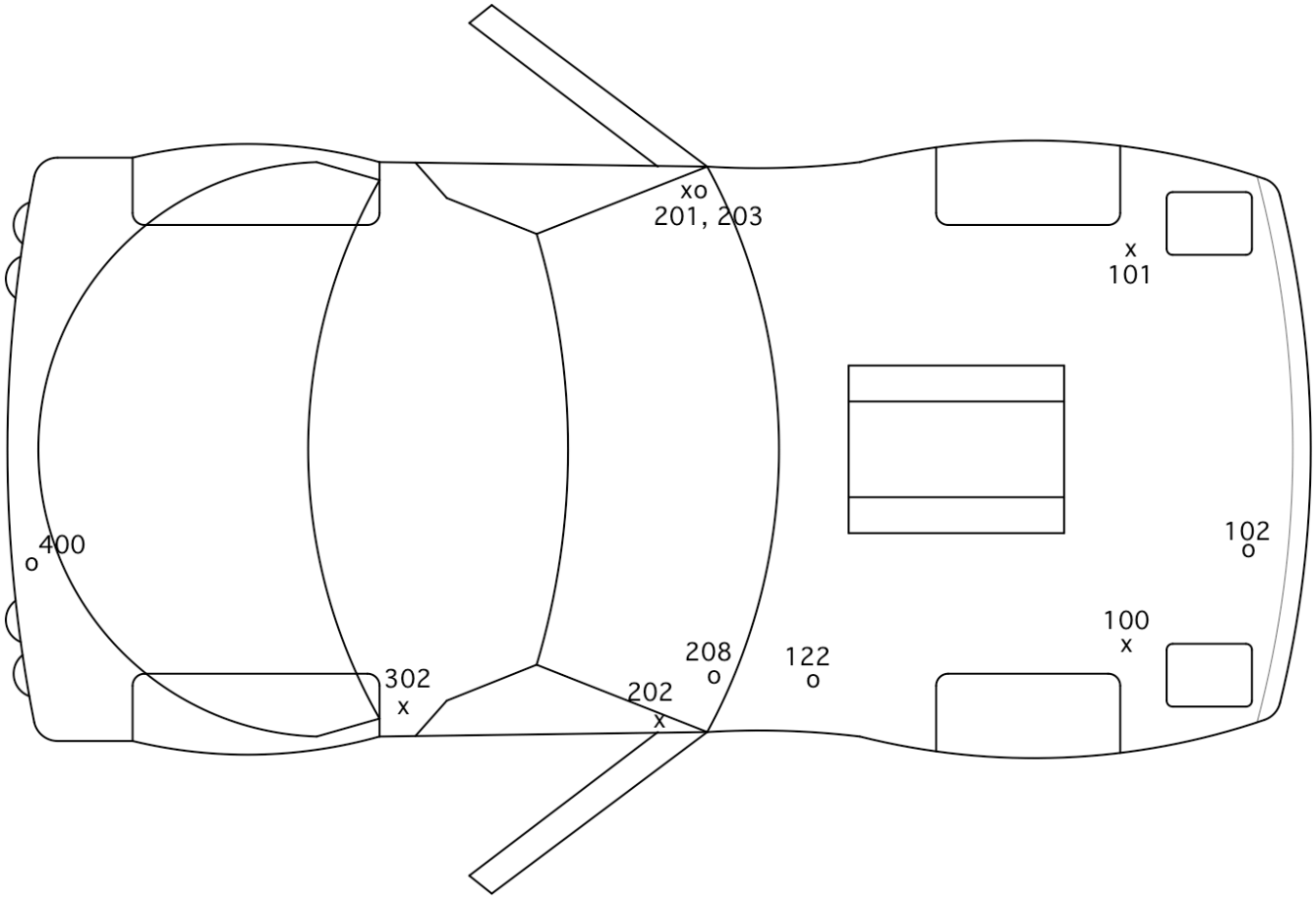


Figure 1 – Approximate location of each splice pack on every C5. X’s represent splice packs with a ground tab, O’s are splice packs without a tab. Splice packs are numbered the same as in the factory service manual.

www.revolutionelectronics.com
Cypress, California 90630

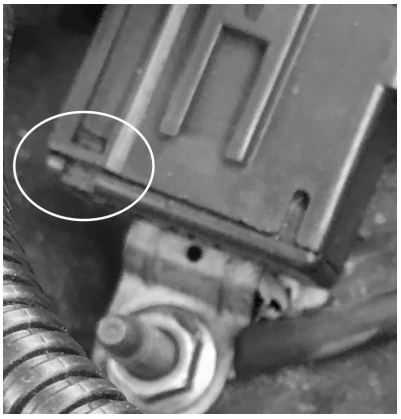
Each of the splice packs is listed below with their location and a list of what circuits they supply. The splice packs are named using the same numbers as used in the factory service manuals. Figure 1 graphically shows the approximate location of each splice pack.

This kit will service up to 4 splice packs. We recommend you inspect splice packs 100 and 101 first. Note that these two splice packs use a 10mm nut to secure them to a stud welded to the frame. If there are ANY signs of rust or corrosion on that stud, we recommend you use some penetrant and proceed with caution. It is possible to snap the stud off the frame if you are not careful. Doing so will require you to drill and tap a hole in the frame for an appropriate bolt to secure the grounding tab.

Dielectric grease: we do not recommend using dielectric grease on these splice pack connections.

Repairing splice pack wires

There are two latches on each splice pack in diagonally opposite corners. Take a look at the connector housings in this kit to familiarize yourself with the latch locations. You will need to use a small screwdriver or pick to pry up on the latching tang while pulling the splice pack from the harness. When internally corroded, the splice packs can be very difficult to remove from the harness. You can see the top latch on the left side of the splice pack in the photo. With the splice pack removed, one by one you will need to remove the terminal and wire from the connector housing (use the supplied removal tool). Once out of the housing, clip off the corroded terminal and crimp on a supplied new terminal. Reinsert the new terminal into a new housing (**note that there are two versions of the housing included with this kit; be sure to select the correct version**) and move to the next terminal.

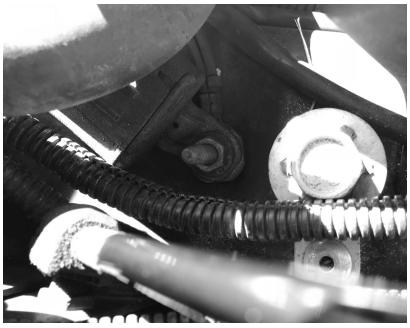


Splice Pack 100 (with ground tab)

Location: Engine compartment, on top of the right frame rail, just behind the right headlight
Circuits: horn, right headlamp door, underhood lamp, headlamp door control module, fog lamps, A/C compressor clutch, AIR pump, Splice Pack 102.
Note: the stud attaching the ground tab to the frame can get corroded and easily snap off if you are not careful.

Splice Pack 101 (with ground tab)

Location: Engine compartment, on top of the left frame rail, just behind the left headlight
Circuits: brake fluid level switch, washer fluid pump, washer fluid level switch, left headlamp door.
Note: the stud attaching the ground tab to the frame can get corroded and easily snap off if you are not careful.



www.revolutionelectronics.com
Cypress, California 90630

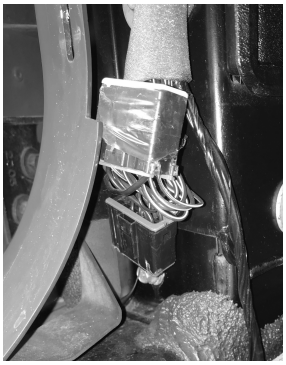
Splice Pack 102 (no ground tab)

Location: taped to the front lamp subharness under front bumper, right side. Access requires the removal of 10 7mm body screws holding the bottom of plastic bumper to the radiator air guide and some under-body trim below the left headlamp.
Circuits: both front marker lamps and both front park/turn signal lamps. Note that this Splice Pack gets its ground from Splice Pack 100.

Splice Pack 122 (no ground tab)

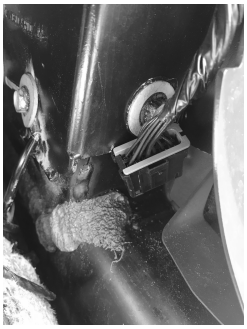
Location: under the battery tray, taped to harness next to firewall.
Circuits: fuel pump relay, oil level switch, Oxygen (O2) sensors.
Note: while you are here, check the harness for abrasion and acid damage. Some cars experienced battery leaks which may have damaged the harness.

Splice Pack 201 (with ground tab)



Location: Base of left (driver side) A pillar (by hood release latch), next to Splice Pack 203.
Circuits: Air temperature actuator, data link connector, instrument panel cluster, traction/suspension control switch, driver door module, left door latch, auxiliary power drop connector, wiper motor, steering column lock, left footwell courtesy lamp, hazard switch, telescopic actuator switch.

Splice Pack 202 (with ground tab)



Location: Base of right (passenger side) A pillar.
Circuits: HVAC control module, ignition switch, body control module, Bose relay, glove box lamp, right footwell courtesy lamp, A/T shiftlock control solenoid, blower motor control processor, vanity mirror lamps, inside rearview mirror lamps, blower motor relay, cigarette lighter, passenger door module, passenger door latch.

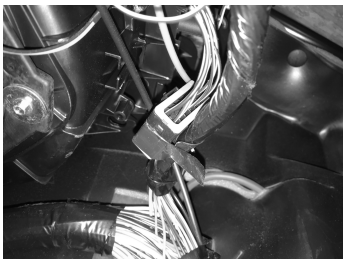
Splice Pack 203 (no ground tab)

(see photo for Splice Pack 201)
Location: Base of left (driver side) A pillar (by hood release latch). Next to Splice Pack 201.
Circuits: remote CD changer, front door speakers, radio.

REVOLUTION ELECTRONICS
www.revolutionelectronics.com
Cypress, California 90630

Splice Pack 208 (no ground tab)

Location: behind right side of dash, taped to harness above electronics in footwell.
Circuits: Park/neutral switch, Data Link connector, instrument panel cluster, air bag module, Body control module, remote control door lock receiver.

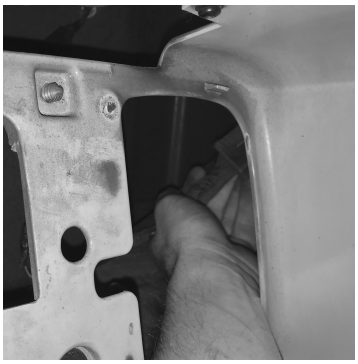


Splice Pack 302 (with ground tab)

Location: in passenger compartment, behind passenger door opening rear trim.
Circuits: Rear compartment (or folding top) lid latch, lid release switch, both rear compartment courtesy lamps, fuel door lock actuator, passenger seat pump and relay center, radio power antenna.

Splice Pack 400 (no ground tab)

Location: taped to rear body harness on right side. Access requires the removal of the right backup lamp.
Circuits: All rear lamps (tail/stop, turn, marker, license plate, backup, center stop), rear compartment right courtesy lamp.



Warranty:

All Revolution Electronics products carry a warranty against defects in materials or workmanship for a period of one (1) year from the original retail purchase. Revolution Electronics' liability is strictly limited to the prompt repair or replacement of the defective product. Revolution Electronics shall not be responsible for (a) labor, transportation, or other incidental charges; (b) consequential or other damages incurred by use of any product. Revolution Electronics offers no other warranty beyond this limited warranty. This limited warranty does not apply to products which have been (a) modified or altered in any way; (b) subjected to adverse conditions, misuse, neglect, accident, improper installation or adjustment, contaminants, corrosion, or faulty repair; or (c) used in applications other than those recommended by Revolution Electronics. To initiate a warranty process, the consumer must first contact technical support (tech@revolutionelectronics.com) to receive a return authorization number. The product must be returned to Revolution Electronics complete with a dated receipt and a return authorization number.

www.revolutionelectronics.com
Cypress, California 90630