1984 Corvette: Recall: Product Safety Campaign 84C22 Relocation of Cruise Control Servo Assembly

Model Year: 1984 Corvette
Subject: Product Safety Campaign 84C22 Relocation of Cruise Control Servo Assembly
Source: Chevrolet Dealer Product Campaign Bulletin
Number: 84C22, Section 6D
Date: March, 1985

CHEVROLET MOTOR DIVISION
General Motors Corporation

CHEVROLET SERVICE

Chevrolet Dealer Product Campaign Bulletin

84C22
Number: 6D
Section:
March, 1985
Date:

Subject: PRODUCT SAFETY CAMPAIGN 84C22
RELOCATION OF CRUISE CONTROL SERVO ASSEMBLY

Attn: Service Manager

Model and Year: 1984 CHEVROLET CORVETTE MODELS

TO: ALL CHEVROLET DEALERS

The National Traffic and Motor Vehicle Safety Act, as amended, provides that each vehicle which is subject to a recall campaign of this type must be adequately repaired within a reasonable time after the owner has tendered it for repair. A failure to adequately repair within 60 days after tender of a vehicle is prima facie evidence of failure to repair within a reasonable time.

If the condition is not adequately repaired within a reasonable time, the owners may be entitled to an identical or reasonably equivalent vehicle at no charge or to a refund of the purchase price less a reasonable allowance for depreciation.

To avoid having to provide these burdensome solutions, every effort must be made to promptly schedule an appointment with each owner and to repair their vehicle as soon as possible. As you will see in reading the attached copy of the letter which is being sent to owners, the owners are being instructed to contact the nearest Chevrolet Zone Office if their dealer does not remedy the condition within five days of the agreed service date. If the condition is not remedied within a reasonable time, they are instructed on how to contact the National Highway Traffic Safety Administration.

DEFECT INVOLVED

General Motors has determined that a defect which relates to motor vehicle safety exists on some 1984 Chevrolet Corvette models equipped with Cruise Control. The Cruise Control vacuum solenoid valves may malfunction at any time the engine is running and cruise control engaged, resulting in unexpected engine acceleration. Loss of accelerator control could result in a vehicle crash without prior warning. Should this condition occur, owners are being requested to apply and hold the service brakes,

DEFECT INVOLVED (CONT'D)

bringing the vehicle to a safe stop and turn the ignition off. To correct this condition, owners are being requested to contact their Chevrolet dealer who will, at no charge, modify the Cruise Control system. This modification will be at no charge to owners.

VEHICLES INVOLVED

All 1984 Chevrolet Corvette models equipped with RPO K34 (Cruise Control) within the following vehicle parameters:

Plant	From	Thru
Bowling Green	E5100001	E5151547

Involved vehicles have been identified by Vehicle Identification Number Computer Listings. Computer listings contain the complete Vehicle Identification Number, owner name and address data, and are furnished to the involved dealers with the campaign bulletin. Owner name and address data furnished will enable dealers to follow-up with owners involved in this campaign.

These listings may contain owner names and addresses obtained from State Motor Vehicle Registration Records. The use of such motor vehicle registration data for any other purpose is a violation of law in several states. Accordingly, you are urged to limit the use of this listing to the follow-up necessary to complete this campaign. Any dealer not receiving a computer listing with the campaign bulletin was not shipped any involved vehicles.

OWNER NOTIFICATION

Owners will be notified of this campaign on their vehicles by Chevrolet Motor Division (see copy of Owner Letter included with this bulletin).

DEALER CAMPAIGN RESPONSIBILITY

Dealers are to service all vehicles subject to this campaign at no charge to owners, regardless of mileage, age of vehicle, or ownership, from this time forward.

DEALER CAMPAIGN RESPONSIBILITY (CONT'D)

Whenever a vehicle subject to this campaign is taken into your new or used vehicle inventory, or it is in your dealership for service in the future, you should take the steps necessary to be sure the campaign correction has been made before reselling or releasing the vehicle.

Owners of vehicles recently sold from your new vehicle inventory are to be contacted by the dealer, and arrangements made to make the required modification according to instructions contained in this bulletin.

PARTS INFORMATION

Parts required to complete this modification are to be obtained from the Warehousing and Distribution Division of General Motors (WDDGM). To ensure that these parts will be obtained as soon as possible, they should be ordered from WDDGM on a C.I.O. order with no special instruction code, but on an advise code (2).

Part Number	Quantity Per Vehicle	Description
25074659	1	Servo Assembly
14091272	1	Servo Bracket
14091225	1	Servo Cable Assembly
14091226	1	Cruise Control Service Kit

Each (Cruise Control Service Kit) P/N 14091226 will consist of the following:

- 1 Ea. Jumper Wire Harness
- 1 Ea. 750 mm - 5/32" Vacuum Hose
- 1 Ea. Vacuum Hose Tee
- 1 Ea. 6 mm Vacuum Hose Plug
- 2 Ea. 6 mm Vacuum Hose Caps
- 3 Ea. 8 mm Vacuum Hose Plugs
- 1 Ea. 8 mm Vacuum Hose Cap
- 1 Ea. Servo Bracket Mounting Bolt (Cadmium)
- 3 Ea. Servo Mounting Screws
- 3 Ea. Servo Mounting Washers
- 3 Ea. Servo Mounting Grommets
- 3 Ea. Grommet Sleeves
- 5 Ea. Conduit Clips
- 1 Ea. Tie Down Strap
- 1 Ea. Instruction Sheet & Illustrations

SERVICE PROCEDURE (CONT'D)

RELOCATION AND MODIFICATION OF CRUISE CONTROL SERVO

The relocation of the servo assembly is to be performed per the following procedure:

1. After obtaining the service kit P/N 14091226, servo P/N 25074659, cable P/N 14091225, and bracket P/N 14091272 read the instructions carefully and familiarize yourself with the components involved.

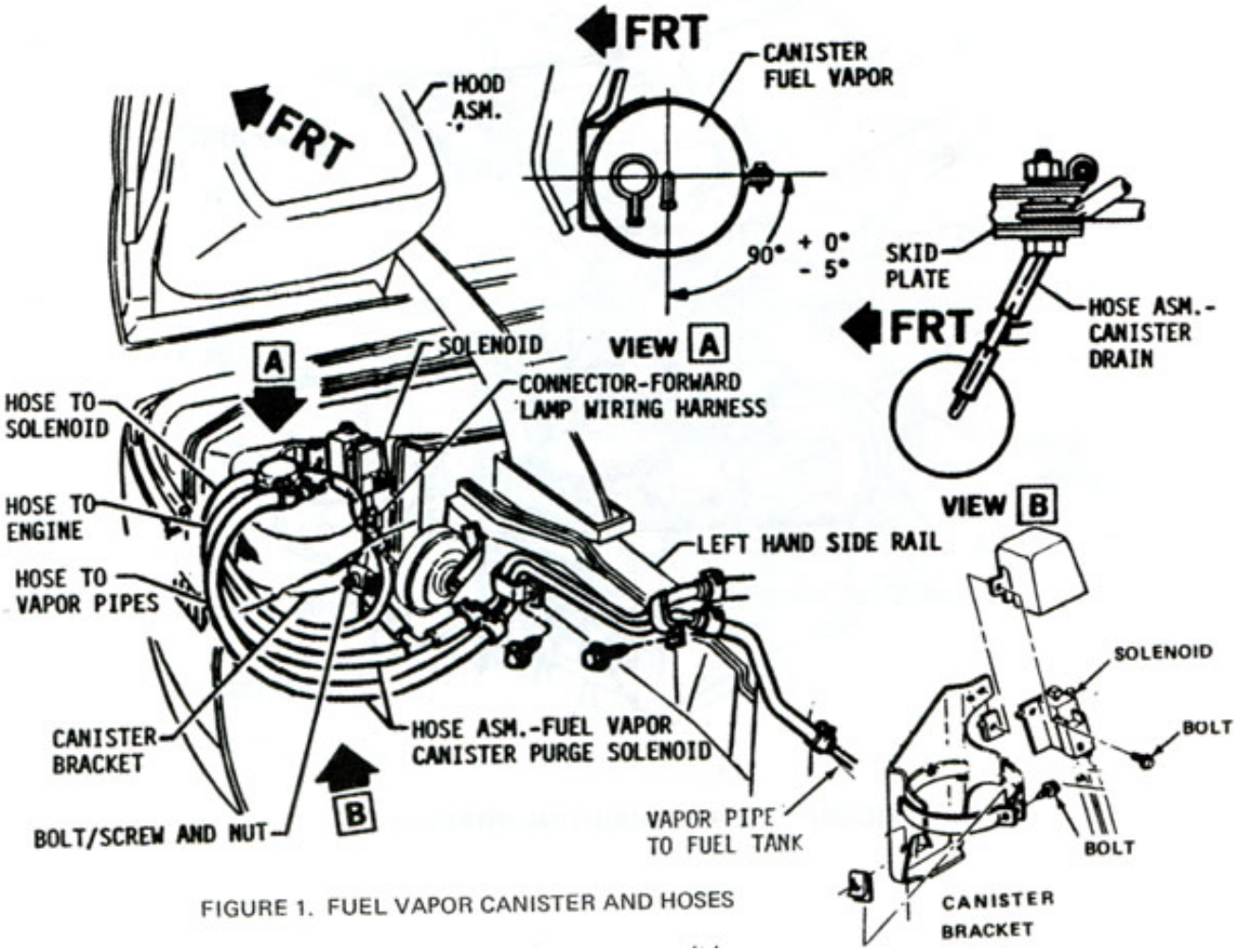

FIGURE 1. FUEL VAPOR CANISTER AND HOSES

SERVICE PROCEDURE (CONT'D)

2. Raise hood and disconnect the negative battery cable at the battery.

3. CAUTION: The emission purge canister may contain liquid and/or vaporous fuel. To avoid potential for explosion during subsequent steps that may utilize an open flame or other heat source for soldering and shrinking heat-shrink tubing, the emission purge canister must be removed, vapor lines plugged and lower wheel house area ventilated in accordance with the following instructions (refer to drawings in Figure #1):

   Disconnect the two purge hoses from the steel lines at the frame. Cap and plug the lines and the hoses with supplied caps and plugs. Remove the canister purge solenoid bolt located on the canister bracket. Unplug the electrical connector at the solenoid. Remove the bolt from the canister mounting strap. Remove the canister from the vehicle. The canister drain hose at the bottom of the canister must also be plugged and removed from the vehicle.

4. Remove air cleaner and disconnect the cruise control cable at the throttle and at the engine bracket. Cut and remove all cable ties holding the servo cable.

5. Disconnect both the small and larger diameter hoses at the servo.

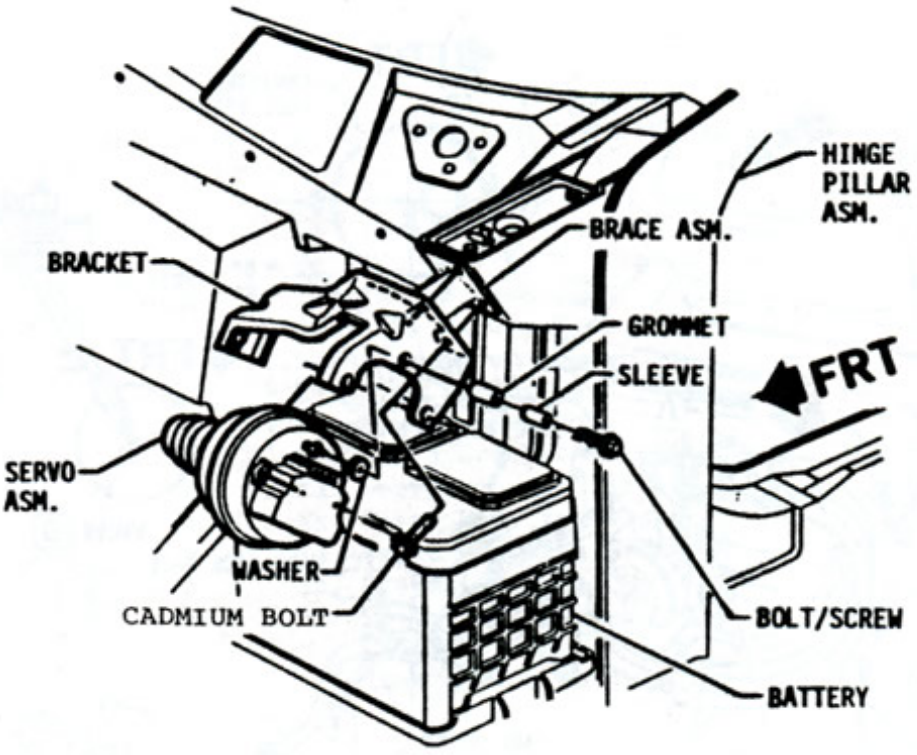

FIGURE 2. SERVO MOUNTING BRACKET

SERVICE PROCEDURE (CONT'D)

6. Remove two bolts holding servo bracket to vehicle chassis and disconnect electrical connector at back of servo. Remove servo bracket and attached servo and servo cable. SCRAP ALL MATERIALS removed in the previous paragraph.

7. Remove the smaller of the two hoses that were connected to the servo at its other end where it connects to a coupling tee and use the cap provided in the kit to plug the opening created by removing this hose.

8. Remove the two outboard vertical brace mounting bolts located at the top of the brace near the battery. Position the servo bracket supplied in the kit over these two holes as in Figure #2 and use the original top brace bolt to mount the bracket. The cadmium bolt supplied in the kit must be used to secure the bottom of the bracket in order to supply a grounding location for the black wire on the new servo harness in the kit. Locate the grounding ring terminal on the new bottom bolt before securing the bracket with the new bolt. Tighten the bolts to the original torque of 20-27 N.m.

9. Locate and mount new servo on servo bracket as shown in Figure #2 Press grommets in bracket holes and insert sleeves in grommets prior to attaching servo to bracket with screws and washers provided. Note that washers are to be installed between servo and bracket. Mounting servo on bracket before first mounting the bracket will not allow bracket to be mounted properly.

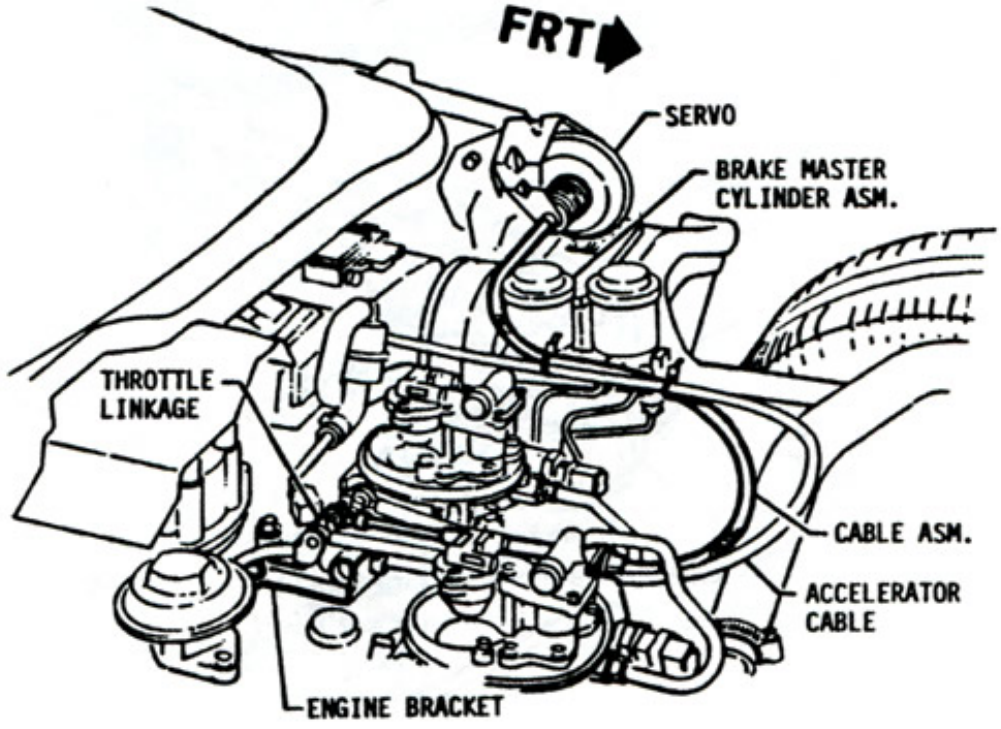

FIGURE 3. SERVO CABLE

SERVICE PROCEDURE (CONT'D)

10. Attach servo cable provided in kit to throttle linkage and engine bracket just as the former cable was attached. Route the new cable as shown in Figure #3 to the servo bracket and connect it to the servo bracket and servo bead chain per Service Manual specifications.

11. Cut smaller vacuum hose running from the cruise check valve to the vacuum reservoir and install the hose coupling tee provided in the kit as shown in Figure #4. Install the hose provided in the kit to the tee and attach the other end of the hose to the vacuum input port of the cruise servo.

12. Locate the larger of the vacuum hoses which was disconnected from the original servo where it goes through the front of dash and re-route the hose to the new servo position. At this time, trim the hose between where it passes through the front of dash and where it will now be connected to the new servo. Make sure there are no kinks in this hose after installation.

13. Install supplied connector harness assembly by attaching connector to servo and installing rosebud in hole provided on servo bracket. Route additional harness down along vertical brace until intercepting the path of the hoses which run toward the front of the car. Route the harness along the same path

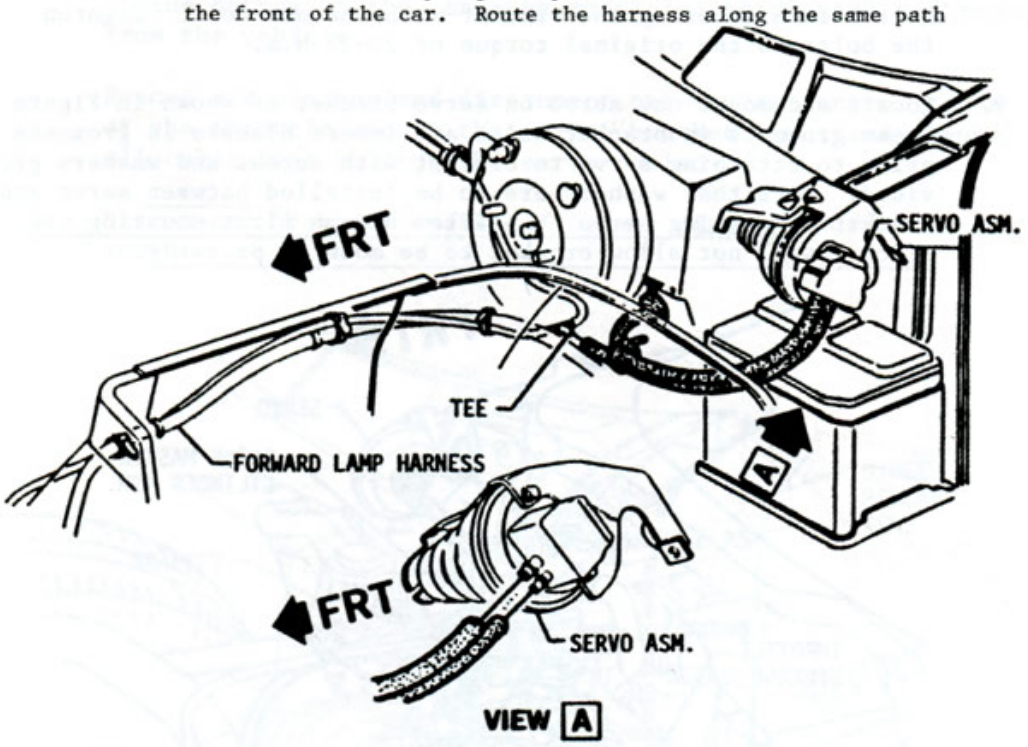

FIGURE 4. SERVO VACUUM HOSES

SERVICE PROCEDURE (CONT'D)

13. (Cont'd) as these hoses located inboard of the left wheel well until they reach the previous servo location as shown in Figure #5. Use the non-restrictive plastic retainer along the vertical brace, and the five conduit clips along the rest of the routing.

14. Locate the breakout position of the servo wiring in the forward lamp harness and take off the tape surrounding the servo breakout. Cut and tape back the black wire to the forward lamp harness. Pull the servo wires out of the convoluted conduit until they reach the splices on the new servo harness. Retape the original breakout position to cover the other exposed wiring.

15. Cut off the original servo connector and discard. Splice the four remaining wires to their respective color mate wires in the new servo harness (supplied in the kit). Use the splice clips attached to the new servo harness, crimp and solder. Slide the heat per recommended practice. Cover the splices with the extra length of convoluted conduit supplied on the harness; see Figure #6.

16. Recheck the routing of all cables, electrical harnesses and vacuum hoses and use cable ties where needed.

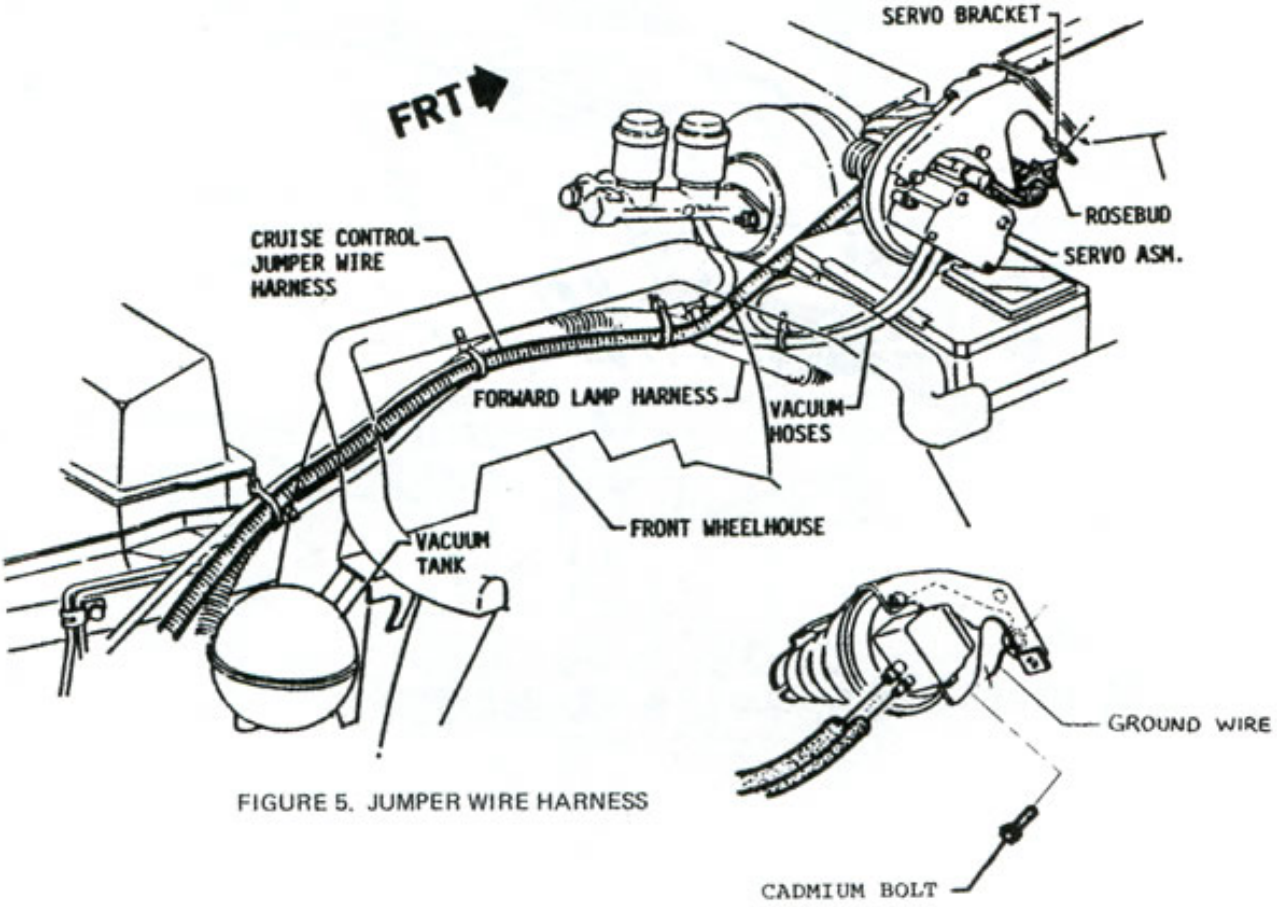

FIGURE 5. JUMPER WIRE HARNESS

SERVICE PROCEDURE (CONT'D)

17. Detach left front upper wheelhouse panel assembly from hood inner panel and clean surfaces (outer mounting hole area) of both panels. apply continuous bead of body caulking compound (RTV) along full length of wheelhouse panel's top surface outer edge; outboard of mounting screw holes as shown in Figure #7. Attach wheelhouse panel to hood inner panel and apply additional caulk, as necessary, to properly seal gap between panel surfaces in areas both forward and rearward of mounting holes.

18. Reinstall the purge canister. Place the canister in its original position. Unplug the drain hose and route it through the clip on the skid plate. Reinstall the mounting strap making sure the canister is rotated to the proper mounting position as shown in Figure #1. Unplug and uncap the corresponding lines and hoses. Reinstall the hoses to the lines with the original clamps. Plug in the electrical connector to the canister purge solenoid and reinstall the solenoid and cover to its original position.

19. Reattach the negative battery cable.

20. Replace the air cleaner assembly and all attaching hardware.

21. Road test the complete cruise control system.

22. Install campaign completion label and release vehicle.

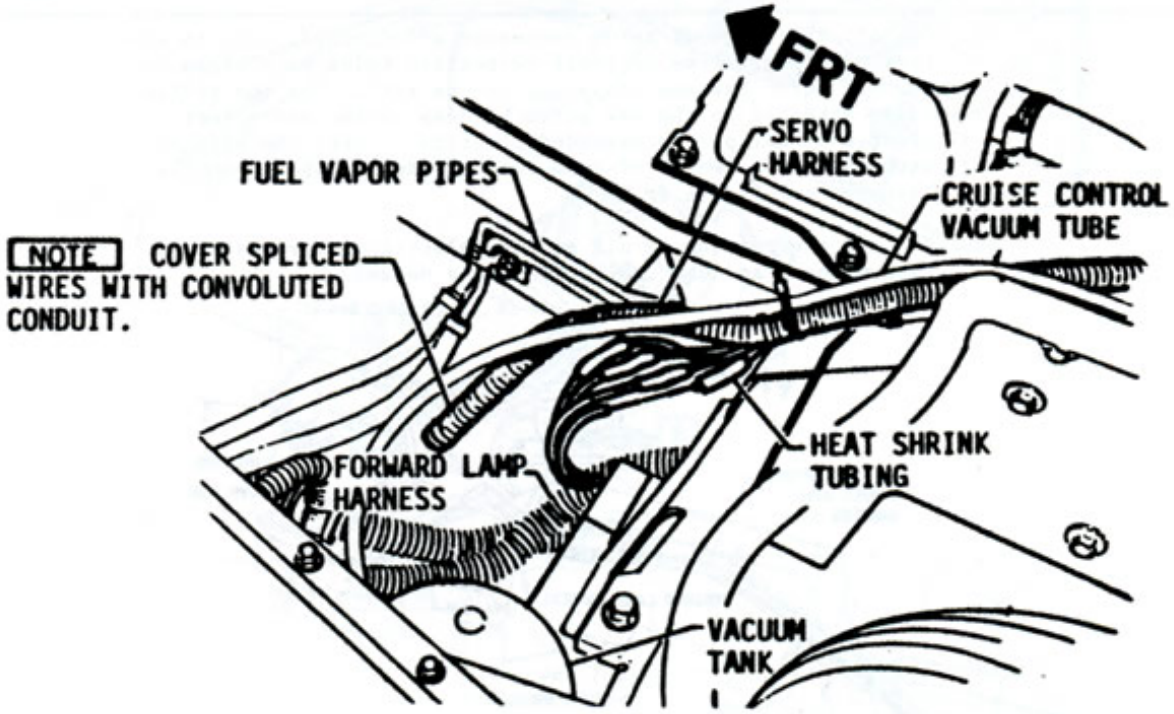

FIGURE 6. JUMPER WIRE HARNESS SPLICE

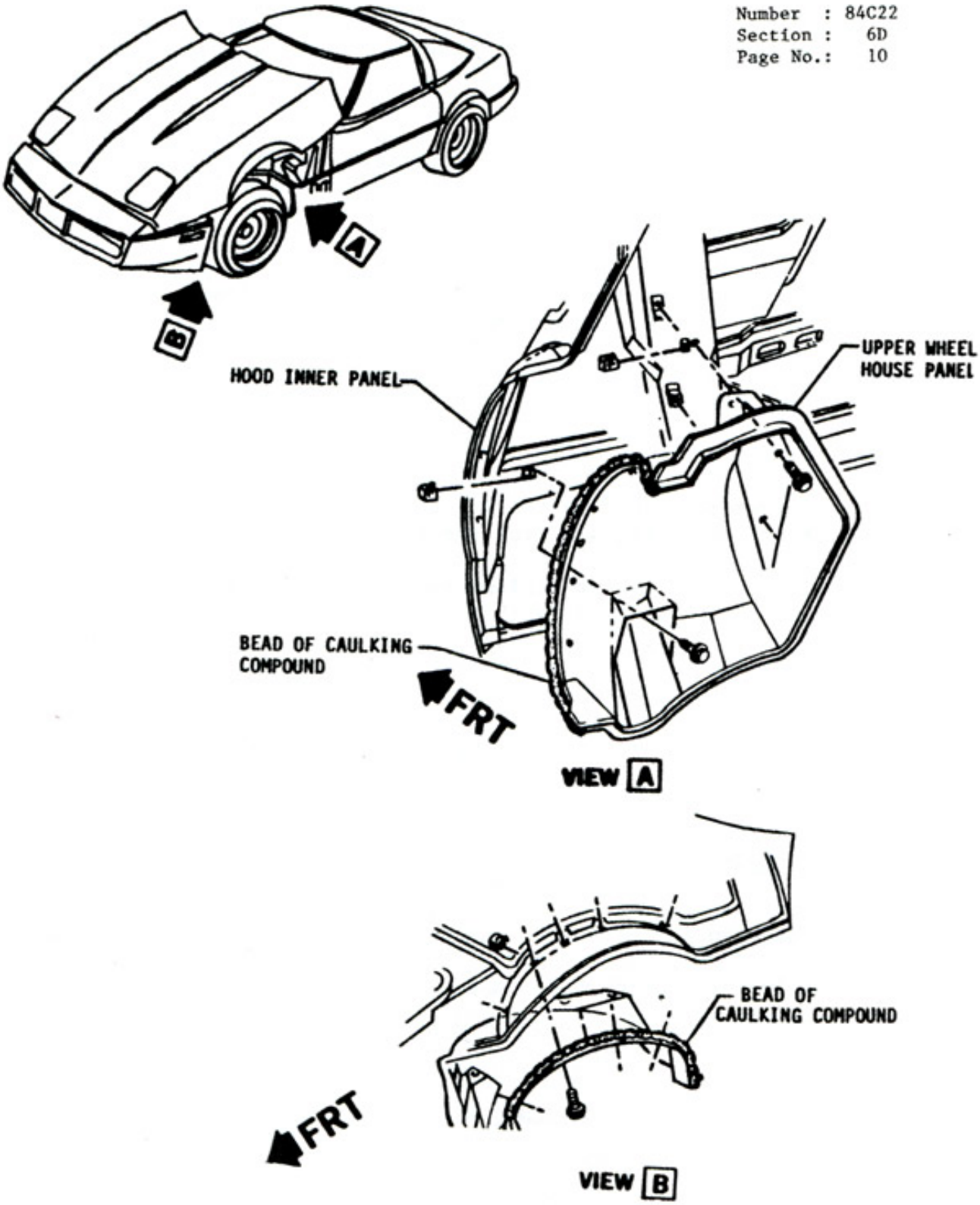

FIGURE 7. FRONT WHEELWELL SEAL

CLAIM INFORMATION

Submit a Product Campaign Claim with the information indicated below:

Parts Count	Failed Part No.	**Parts Allowance	Failure Code	Labor Operation	Labor Hours	*Other Hours	***Net Amount
4	25074659		00	V2500	1.2	.1	4.15

Description: Relocate and install P/N 25074659 (Servo Assembly), P/N 14091272 (Servo Bracket), P/N 14091225 (Servo Cable Assembly), P/N 14091226 (Cruise Control Service Kit), according to the instructions outlined in this bulletin.

*Campaign Administrative Allowance.

**The Parts Allowance should be the sum total of the current WDDGM Net plus 30% of all parts required for the repair.

***The $4.15 in the "Net Amount" column represents the material allowance for the RTV Sealer used in this modification.

Dealers will automatically receive the correct labor and material allowance based on the labor operation performed.

Refer to the Chevrolet Claims Processing Manual for details on Product Campaign Claim submission.

CAMPAIGN IDENTIFICATION LABEL

Each vehicle modified in accordance with the instructions outlined in this Product Campaign Bulletin will require a "Campaign Identification Label." Each label provides a space to include the five digit dealer code of the dealer performing the campaign service. This information may be inserted with a typewriter or ballpoint pen.

CAMPAIGN IDENTIFICATION LABEL (CONT'D)

Each "Campaign Identification Label" is to be located on the radiator core support in an area which will be visible when the vehicle is brought in for periodic servicing by the owner.

Apply "Campaign Identification Label" only on a clean dry surface.

ADMINISTRATIVE PROCEDURES

REFER TO THE CURRENT CHEVROLET SERVICE POLICIES AND PROCEDURES MANUAL AND CLAIMS PROCESSING MANUAL FOR CAMPAIGN HANDLING AND ADMINISTRATIVE PROCEDURES.

Chevrolet Motor Division
General Motors Corporation

CHEVROLET Central Office

(Notification Used by Chevrolet Motor Division)

Dear Chevrolet Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

General Motors has determined that a defect which relates to motor vehicle safety exists in some 1984 Corvette models equipped with cruise control. The cruise control vacuum solenoid valves may malfunction at any time the engine is running and cruise control engaged, resulting in unexpected engine acceleration. Loss of accelerator control could result in a vehicle crash without prior warning. Should this condition occur, vehicle operators are being requested to apply and hold the service brakes, bringing the vehicle to a safe stop and turn the ignition off.

Please tape the cruise control switch in the "off" position, until you have had your cruise control system corrected.

Instructions to correct the cruise control system have been sent to your Chevrolet Dealer. Parts will be available approximately March 15, 1985. The labor time required to install and relocate a new cruise control servo is approximately one hour and fifteen minutes. Please ask your dealer if you wish to know how much additional time will be necessary to process your vehicle.

Your Chevrolet dealer is best equipped to obtain parts and provide service to ensure your vehicle is corrected as promptly as possible. However, if you take your vehicle to your dealer on the agreed service date, and they do not remedy this condition on that date or within five days, we recommend you contact the nearest Chevrolet Zone Office, either in person or by telephone. The zone office will assist you and the dealer in getting your vehicle corrected. The locations and telephone numbers of the zone offices are listed in your Owner's Manual.

After contacting your dealer and the zone office, if you are still not satisfied that we have done our best to remedy this condition without charge within a reasonable time, you may wish to write the Administrator, National Highway Traffice Safety Administration, 400 Seventh Street, S.W., Washington, D.C. 20590, or call 800-424-9393 (Washington, D.C. residents use 426-0123).

Chevrolet Motor Division General Motors Corporation 30007 Van Dyke Avenue, Warren, Michigan 48090

The enclosed owner reply card identifies your vehicle. Presentation of this card to your dealer will assist in making the correction in the shortest possible time. If you have sold or traded your vehicle, please let us know by completing the postage paid owner reply card and returning it to us.

We are sorry to cause you this inconvenience; however, we have taken this action in the interest of your safety and continued satisfaction with our products.

Chevrolet Motor Division
General Motors Corporation

Enclosure

Online URL:
https://www.corvetteactioncenter.com/tech/knowledgebase/article/1984-corvette-recall-product-safety-campaign-84c22-relocation-of-cruise-control-servo-assembly-924.html