

Removing and Installing an Electronic Body Control Module (EBCM) in a 2001 Corvette

Dave68

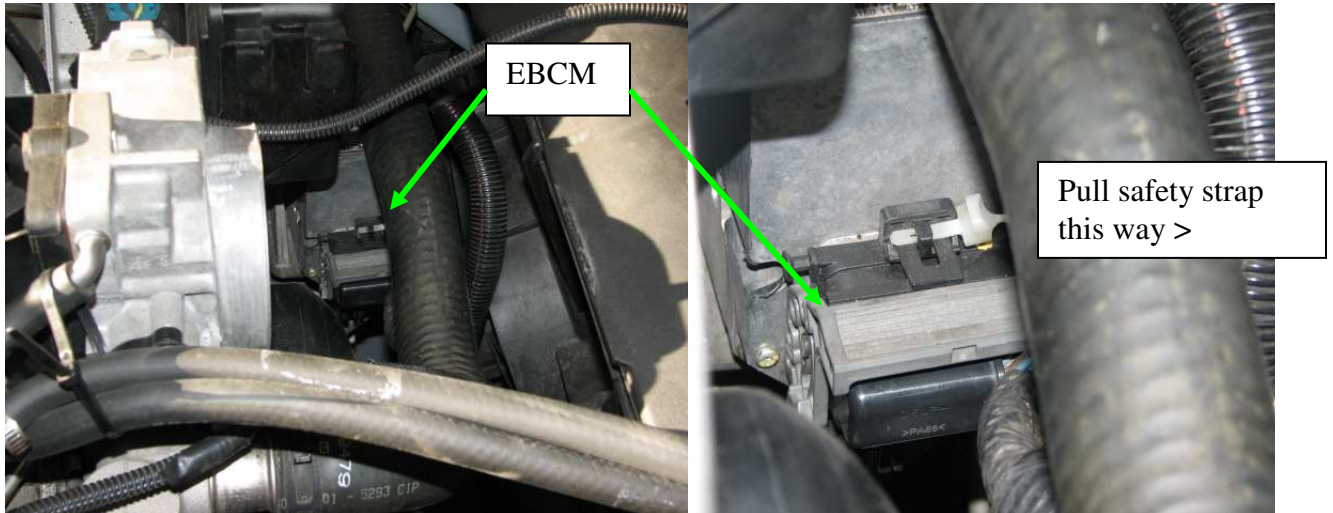
Preface: The following warning messages are almost always related to failure of this module:

Service Active Handling

Service ABS

Service Traction Control

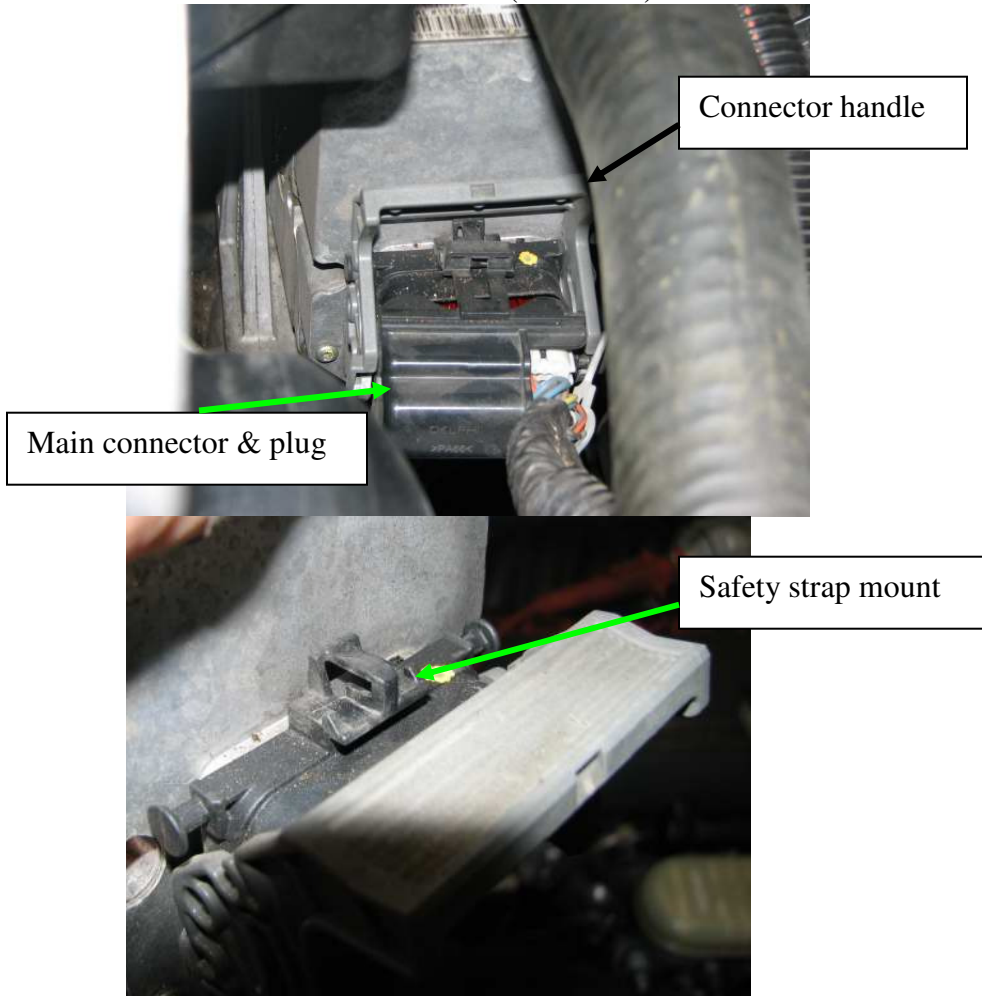
You will see each message displayed on the D.I.C. for a second or so. In addition, codes will be displayed and warning light images in the dash instrument area will be illuminated. Although you can technically continue to drive without these safety features, I recommend that you minimize any such incidences.



Figures 1 and 2: EBCM and Nylon safety strap

1.0 Remove the airbridge and throttlebody coupler. Pull (to the right) the white plastic safety strap out of the loop that is part of the EBCM main cable connector. See figures 1 and 2, 3, and 4.

EBCM Removal and Installation (continued)



Figures 3 and 4: Main connector, plug, and strap mount

2.0 Now pull the main connector handle up until you feel the main connector plug unlatch from the main connector. Pull off the main connector; you will see a much smaller connector that is underneath it. Move the main plug so that it is out of the way.

3.0 To disengage the small connector, you must lift the mating plug's small latch away from the connector's tab. Pull the plug down as you hold back the latch. See figure 5, 6, 7, and 8.

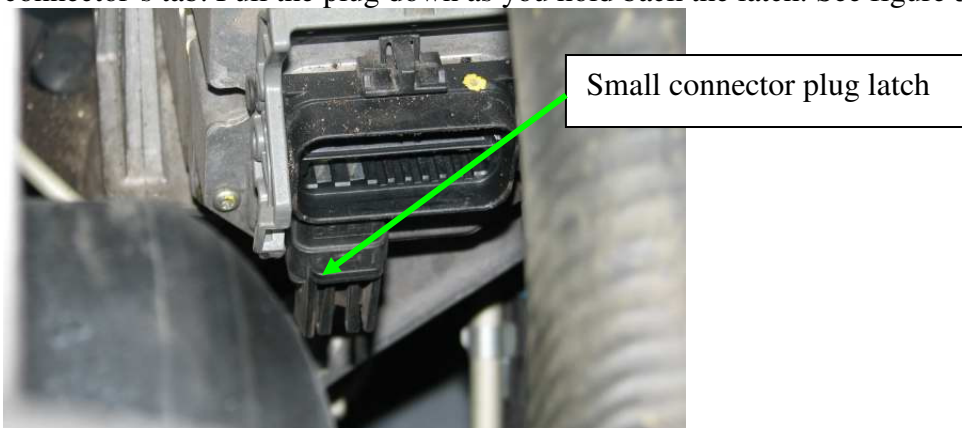


Figure 5: Small plug and connector

EBCM Removal and Installation (continued)

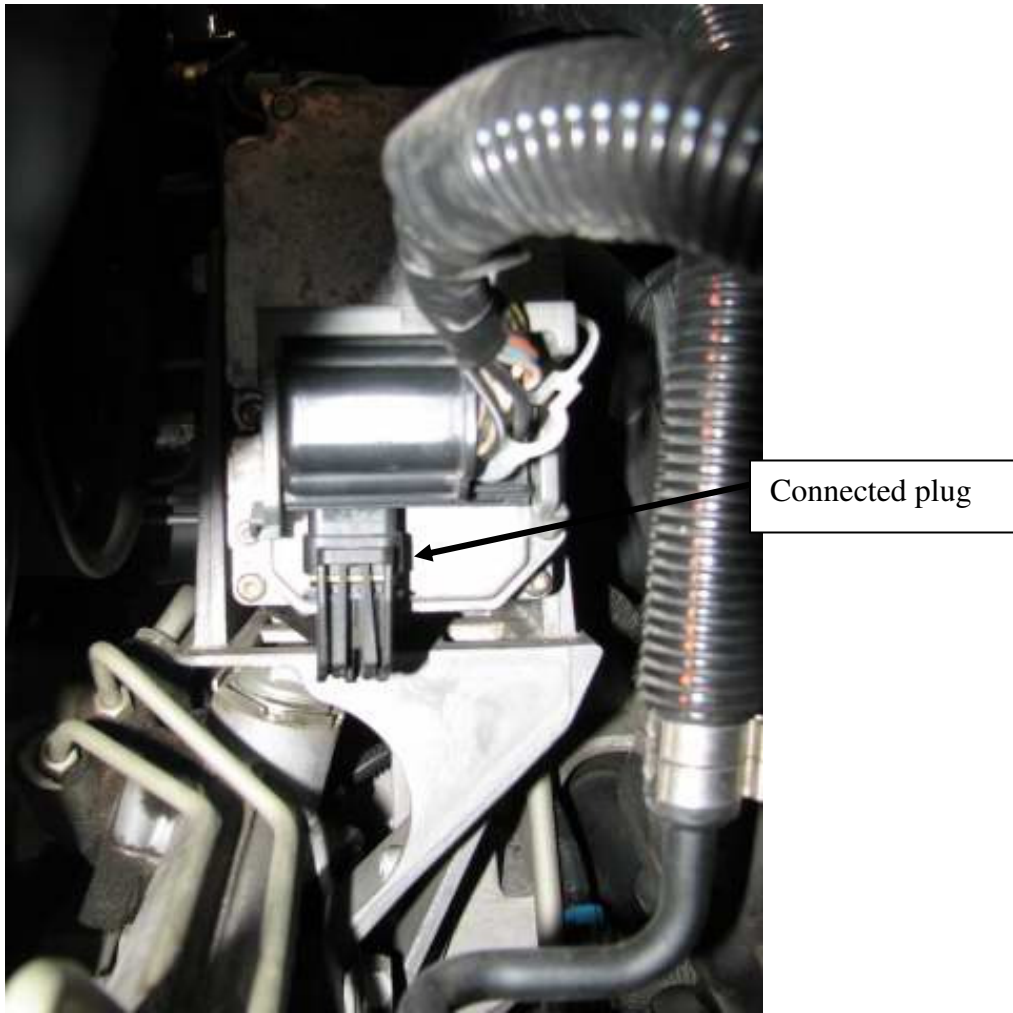
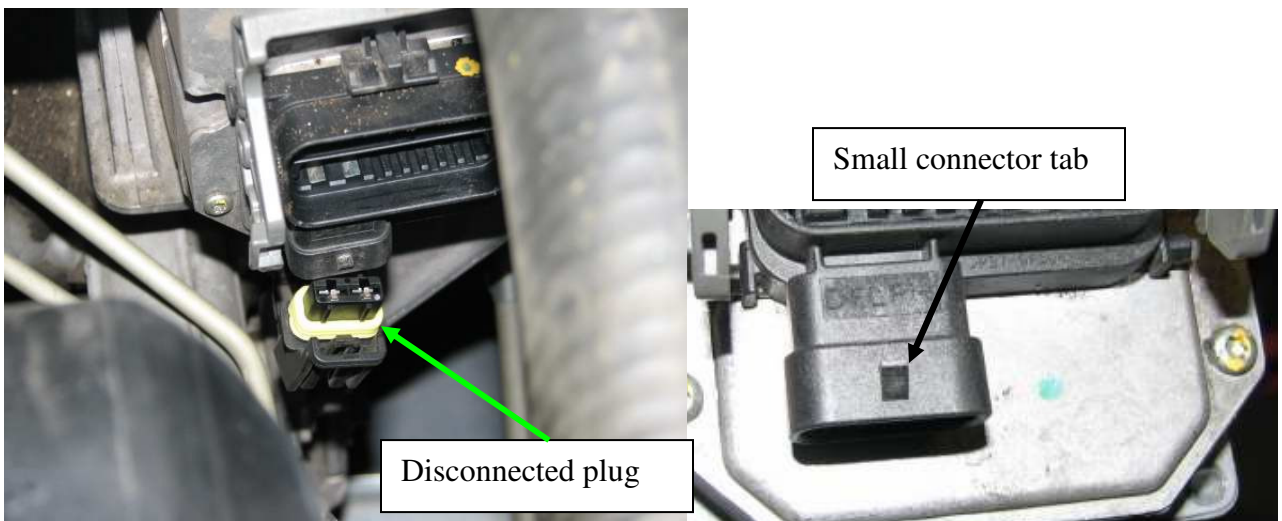


Figure 6: Connected lower plug



Figures 7 and 8: Small plug and connector

EBCM Removal and Installation (continued)

4.0 Using a #20 Torx screwdriver, remove each of six screws that secure the ECBM to the brake control module. See figure 9.

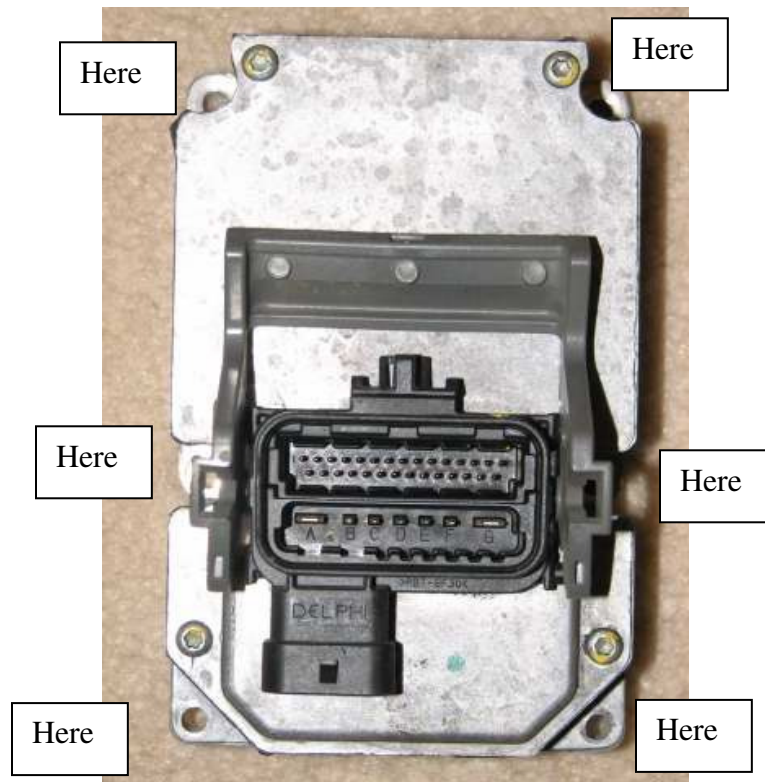
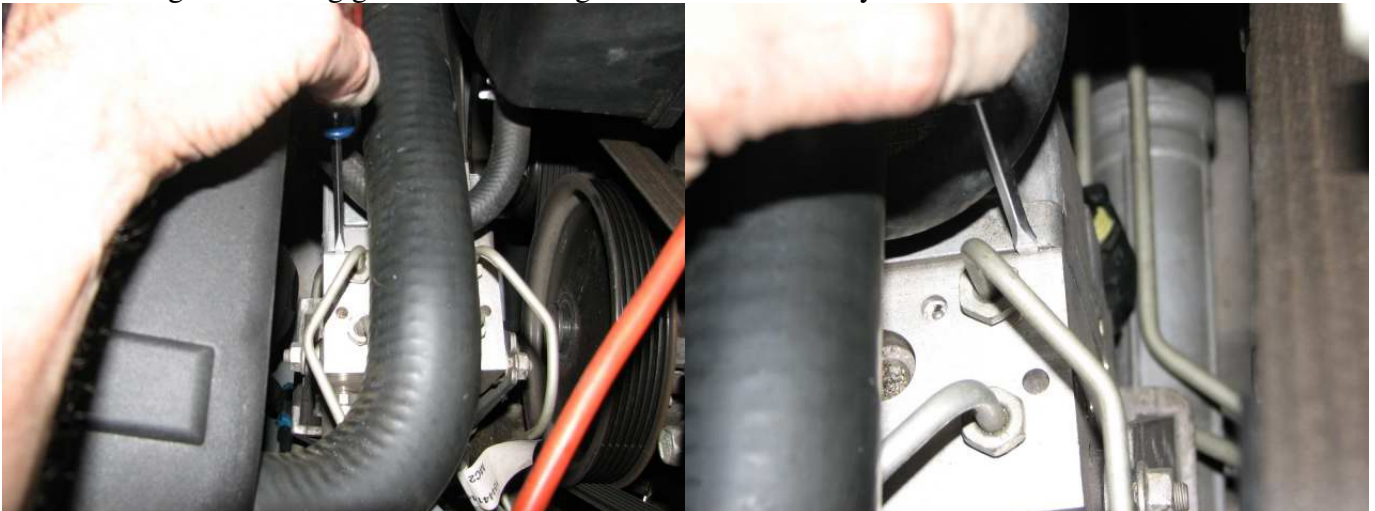


Figure 9: Mounting screw locations

5.0 Using a small flat blade screwdriver (from the drivers side), pry and twist in the locations shown in figures 10, 11, and 12. **Note:** Do NOT jam the screwdriver tip in more than 1/16-inch or it may damage the sealing gasket that is integral to the EBCM body.



Figures 10 and 11: Breaking loose the EBCM seal

EBCM Removal and Installation (continued)



Figure 12: Separating the EBCM from the Brake module

6.0 From the passenger side, pull the EBCM away from the brake module. See figures 13, 14, and 15.



Figures 13 and 14: Removed EBCM



Figure 15: Remaining connector plugs

EBCM Removal and Installation (continued)

7.0 Send the malfunctioning EBCM to ABS Fixers (www.absfixers.com):

Brandon Hite
Attn: ABS Module
900 Country Meadows
Highlandville, MO 65669
Cost: \$150

8.0 Reverse procedure to reinstall. I found it helpful to place the middle screws in the EBCM holes, first and carefully plug in the unit while keeping it from tilting backward. I also spent some time perched atop the engine, since getting at the screws to tighten or loosen them from either side of the car required plenty of leaning. That can be tough on your back. Of course, if you weigh anywhere near 200 lbs, you may not be able to crouch on the engine without damaging something!

9.0 Pocket that \$1000+ dollars you just saved and buy yourself a tank of gas!

Dave

Addendum: Checking and deleting codes:

1. Turn on the ignition (do NOT start the car)
2. Press the reset button to turn off any warning messages.
3. Press and hold the options button while pressing the fuel button 4 times within 10 seconds.
4. When your display reads "manual diagnostics", press the options button to scroll codes forward or the trip button to scroll back.
5. To exit, press the E/M button and to clear any codes, press the reset button.

My codes were as follows:

28TCS NO COMM
40-BCM 1 CODES
58-SDM 1 CODES
AO LDCM 2 CODES
A1 RDCM 2 CODES

The Check engine, Active Handling, and ABS dash lights were illuminated.