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ECPB C3 Corvette Electric Wiper Door Actuator Installation Instructions

2nd Generation

READ THIS ALL THE WAY THROUGH BEFORE BEGINNING!

Congratulations! You have purchased the long awaited and much needed ECPB electric wiper door actuator. You will improve the value of your Corvette and say good bye to the troublesome vacuum operated wiper door. There will be no more complicated vacuum lines, switches, or operators to replace. You will turn your wipers on and off smoothly even without the engine running. You will only need house-hold tools and approximately 3-4 hours of your time, and then you will enjoy the smooth operation of your wiper door.

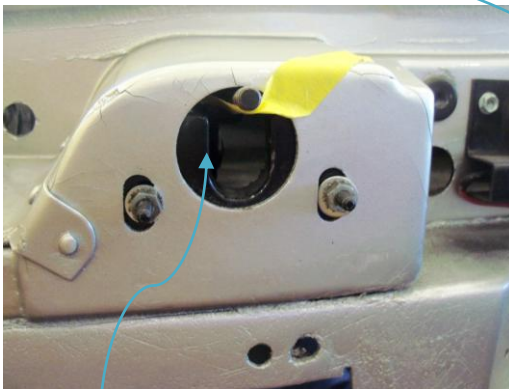
Now, let us get started and remove the unnecessary parts you will no longer need.

Remove the narrow grille between the hood and wiper door to make installation easier.

Remove the vacuum line from the operator to the air tank and to the wiper switch, if you installed the ECPB electric headlight conversion kit you can eliminate all vacuum lines and the tank (on some models). You will no longer need them. Cap off the port on the carburetor you just removed the hose from. Now, test run your engine. Chances are you have eliminated some vacuum leaks and she runs more smoothly now. Turn the engine off.

(If you are still going to use the old vacuum system on your headlight doors, do not remove the tank or vacuum line to the carburetor, just cap off the port on the tank.) Remove the vacuum operator with the bracket.

Remove the long adjuster nut; it has a left and a right hand thread, to unscrew it from the rod in the firewall you need to turn it to the right.



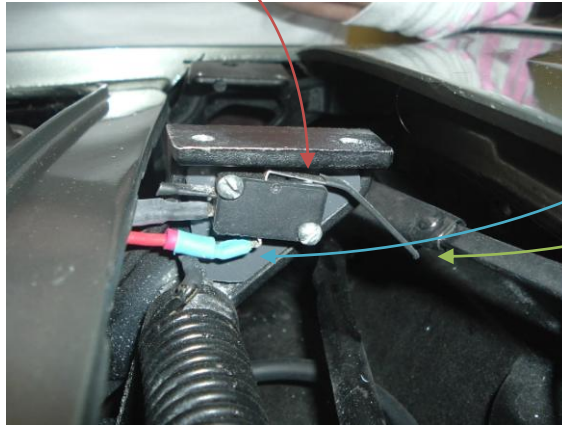
Now file the Aluminum bracket on the left, right and bottom of the opening a 1/8" to give room for the actuator piston to move.

It is a good time now to check your wiper door for any binding and smooth movement, clean and lubricate all pivot points. Open wiper door half way and guide the threaded stud through the opening.

Next install the ECPB Electric Wiper Door Actuator on to the left hand threaded stud, remember turn it counter clock wise to tighten. Fuse and wiring face in the down position when installed.

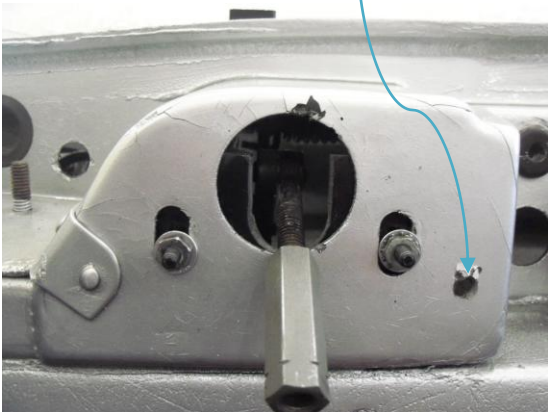
Now install the ECPB Wiper Door Actuator on to the two bolts (you previously removed the vacuum actuator mounting bracket from) protruding through the firewall.

Drill two 5/32" (or 4mm) holes in the grille mounting bracket pictured below, hold the small PVC spacer in place and use it as a template. Fasten and adjust the micro switch as seen in picture. The lever needs to be under the wiper arm and pushing the switch all the way in.



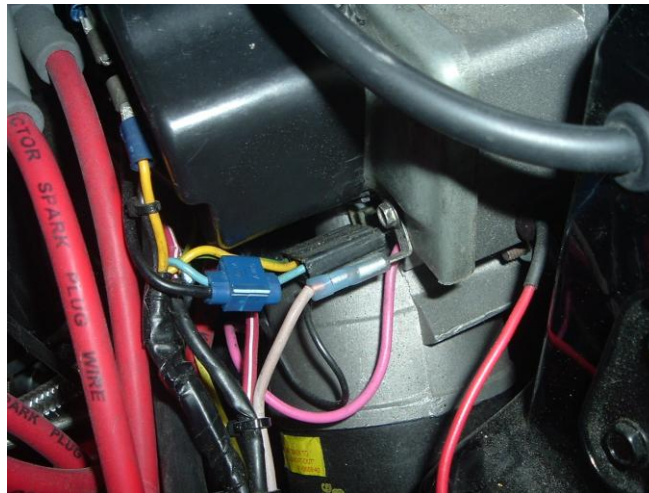
Make sure the wiper arm is completely in home position when adjusting the micro switch.

Now drill a 7/16" hole through the firewall and route the short wires through the hole and connect them to the micro switch. See picture above.



Connect the black wire with installed ring terminal to engine ground.

Connect the blue wire with the provided splice to the blue wire on the three connector plug at the wiper motor as in picture below.



Up to early 69 models switch the green wire to ground when the wiper switch is activated. To check for the correct wire, connect a test light to the positive terminal on the alternator and to the blue wire if it lights up when you turn the wiper switch on you have the correct wire. If not, check the green wire.

Connect the yellow wire to an "ignition switched" terminal at the fuse block.

Connect the red wire to a 12 volt constant positive connection, like the terminal on the starter.

Turn the ignition and move the wiper switch to the slow position to check the operation.

If the wiper door will not close all the way move the rubber boot and adjust the long nut accordingly. Reinstall the grille, use the two short screws provided on the bracket where you installed the micro switch!

Now, step back and admire your work. Show your friends how easy the installation was and how smooth the actuators work. Say goodbye to all the wiper door problems you had in the past.

CHANGING THE FUSE (AT THE ACTUATOR HOUSING) TO A HIGHER RATING THAN 5 AMPS WILL BURN THE ELECTRIC ACTUATOR AND VOIDS ANY WARRANTY.

For any technical questions, comments or suggestions please email us at ecpbtech@comcast.net or call (706) 639-9493.