DO NOT BENCH TEST YOUR NEW WIPER MOTOR

Please do not attempt to bench test your new wiper motor. New wiper motors are most often damaged by incorrectly bench testing and not understanding the use of 12v and grounds in the system. Improper bench testing or faulty wiring in your Corvette will void the wiper motor warranty. To aid installation, we'll use the factory wiring to test the new motor and make sure your Corvette's electrical system is working properly.

All 1968-1982 Corvette wiper motors have a 3-wire plug located below the housing or just to the right of it. You will need a 12v test light or Power Probe which is recommend.

1969-1972 Corvette

Install the new wiper motor but do not plug in the electrical connection. The ground wire to the body of the motor can be installed. We will refer to the 3-wire pigtail as the "ABC" connector. The "A" terminal is closest to the motor; "B" terminal is in the middle and "C" terminal is closest to the edge of the housing of the gear box or the outside of it. With the motor in place, turn you ignition key to the on position. You do not have to start the car for this. Take your power probe or test light and check the center terminal "B" on the wiring harness, should be a yellow wire. There will be 12V on this wire with the key in the on position. **If you do not have 12v, stop and diagnose.** If you have 12v on the "B" terminal, next check the red wire coming from the wiper door limit switch. This should also have 12v. **If you do not have 12v, stop and diagnose.**

Now if you have a power probe you need to do nothing but if you have a test light, you'll need to hook your test light up to 12v power to verify the grounds.

With the motor unplugged, use your test light to probe terminal "A" on the wiring harness. This should be a light green wire; and should have a ground signal present. **If there is no ground, stop and diagnose.**

Use your test light to probe terminal "C" on the wiring harness. This should be a light blue wire. There should be no ground signal present at this time. **If there is a ground, stop and diagnose.**

Turn the wiper switch into the first position which will be low speed. The "A" terminal "A" (light green) should have a ground present. The "C" terminal (light blue) you should also have a ground present. **If either of these wires do not have a ground, stop and diagnose.**

Turn the wiper switch into the high position. The "A" terminal (light green) should NOT have a ground signal present. The "C" terminal (light blue) should have a ground signal present. **If not, stop and diagnose.**

Turn the switch to the off position, this is the park position. Terminal "A" (light green) should have a ground signal and terminal "C" (light blue) should have no ground. **If not, stop and diagnose.**

If all these electrical connections have been verified, you are ready to plug in your new wiper motor and the wiper motor will work as originally designed.

www.zip-corvette.com
1-800-962-9632

Zip
Corvettes are all we do.

Zip Products 8067 Fast Lane Mechanicsville, VA 23111 804-746-2290/Fax: 804-730-7043

DO NOT BENCH TEST YOUR NEW WIPER MOTOR

1973-1982 Corvette

1973-1982 Corvette wiper motors have the same electrical function of the "ABC" terminals, but the wire colors will be different. For 1978-1982 Corvette's with pulse wipers, you will not to bypass the pulse module to perform these tests.

1968 Corvette

The 1968 Corvette wiper motor is a little backwards on how the motor is powered and the different test leads. The 1968 Corvettes uses grounds instead of power on your wiper door limit switch. There is also a 3-wire pigtail that comes out of the motor which you will have to use in the test.

We are going to label the 1968 Corvette terminals a little differently. The 3-way pigtail terminal is still going to be labeled "ABC". The pigtail coming out of the motor will be labeled "DEF" starting from the bottom and going clockwise. With the key in the on position, test the terminal "B" for 12v and also terminal "E" (Red wire). **If they do not have 12v, stop and diagnose.** Now verify you have a ground signal on terminal "F" (White wire). **If not, stop and diagnose.** This ground comes from the wiper limit switch.

With the key on and wiper switch in the low position, Terminal "A" (light green) and Terminal "C" (light blue) wires should have ground present. **If you do not, stop and diagnose.** With the switch in the high position, terminal A (light green) you should have no ground and terminal C (light blue) should have ground present. **If you do not, stop and diagnose.**

When the switch is turned off, Terminal A (light green) should have ground present and terminal C (light blue) should have no ground. **If you do not, stop and diagnose.**

If all of these are working, you are ready to plug in your Corvette's wiper motor. Please note on 1968 Corvette's there is a brown (original) and black (replacement) wire that comes out of the motor. It looks like a ground wire but when the motor is running it is 12v so if you ground this, it will short the motor out.

www.zip-corvette.com
1-800-962-9632

Corvettes are all we do.

Zip Products 8067 Fast Lane Mechanicsville, VA 23111 804-746-2290/Fax: 804-730-7043