C5 CORVETTE DIGITAL CLIMATE CONTROL PANEL REMOVAL/REPAIR

1. Convertible only - remove the body colored water fall first. If not skip this step. Remove center console armrest held in place with 4 #2 Phillips Head screws.
2. Using a Jeweler’s screw driver, pop off the traction control panel for access to (2) 10mm nuts. These hold down the center console. Remove these nuts & disconnect the wiring connections.
3. Using a Jeweler’s screw driver, pop off the rear center console 10 mm nut access covers (2). Remove nuts & lift the back of the console (the center console is two pieces) & slide back (front holes are slotted) to clear back hardware studs.
4. Remove instrument trim panel – using a Jeweler’s screw driver gently pry off trim panel left of ignition for access to #T-15 Torx head screw, remove screw.
5. Remove ash tray for access to (2) #T-15 Torx head screws, remove screws, remove cigarette lighter wire connection, (if automatic move shifter to D1 & set parking brake), (if standard detach shift boot from center instrument console, place shift lever in neutral for removal of center instrument console leaving shift boot on the shift lever. Place shift lever in 4th gear to gain clearance for climate control panel removal), gently pull center instrument panel to the side for access to climate control bolts.
6. Remove (2)7mm bolts & pull climate control display out a little way & carefully remove the unit’s connector by pressing the release clips.
7. Now that the unit is out take to a clean work bench.
8. Remove the 3/32” bolts(4ea) for access to the circuit cards
9. Carefully slide the top card out & flip it over you will see 8 black chips marked 421 printed on top. The solders joints (16) (2 per chip) are cold solder joints or gray in color should be nice & shiny solder joints. Take a soldering iron 10w-20w, be careful & try not to overheat the chips, just get the solder to flow nice & shiny, when you finally have them all done on both sides, carefully put the unit back together & reconnect unit in car & turn on ignition to check if it works, if not repeat the solder procedures, & check unit again, if it works you’re done & reinstall unit & reassemble console following previous steps backwards.

**TOOLS REQUIRED**

1. Soldering Iron (30watts) or variable
2. 10mm Nut Driver
3. 7mm Nut Driver
4. #2 Phillips Head Screw Driver
5. #T-15 Torx Tip Handle
6. 3/32” Nut Driver
7. Jeweler’s Screw Driver

**NOTES/TIPS**

There’s a good pictorial step by step on the website. Google “C5 Climate Control Dim/Dark Display Fix” to get pictures on how to disassemble the center console & a written step by step on how to solder the surface mounted 241 resistors.