

47 Cadillac Vacuum Hose Routing

Looking at the engine driven fuel pump, the main vacuum line departs the fuel pump as a 5/16 metal line from the left front bottom of the fuel pump continues up and then under the intake manifold and coming out the back of the manifold at the rear of the engine as a steel line. Then up the middle of the outside of the firewall as a rubber hose then joins a steel S shaped metal line that goes through the fire wall to the inside of the fire wall then joins a rubber vacuum hose up the inside of the fire wall and connects to the large middle port of the wiper switch. If you have a radio then near the top of this main vacuum hose and before it joins the wiper switch, you will have a metal T in this MAIN vacuum hose. A rubber vacuum hose runs off this main vacuum hose T to the radio for the vacuum antenna. Just before this vacuum hose gets to the radio vacuum ports, put another T in this line. From this T one line will run to the middle vacuum port on the radio and then other rubber hose from the T will go to the push button switch for windshield washers. Back to the washers later. On the top right side of the radio are 3 vacuum ports for the radio antenna. The middle port is for the main rubber vacuum hose. The other two vacuum ports of the radio are for the vacuum hoses that run to the top and bottom of the radio antenna in the left fender/cowl of the car. Push in on the right radio knob will lower the antenna and pulling out will raise the antenna. The wiper motor has two different size vacuum ports. Connect the small vacuum hose to the small port on the wiper motor and the other end of this smaller hose to the smaller port on the wiper switch. Now connect a vacuum hose to large port on the wiper motor and the other end of this hose to the remaining larger port on the wiper switch. If you have the windshield washers and after you have connected the vacuum hose to the washer switch, connect another rubber vacuum hose to other outlet port of the washer switch and run it through the dash and connect it to the top of the washer pump. Underneath the washer pump is a small outlet port. Connect a small rubber water hose to this outlet port and run this hose back inside the firewall to the middle of the underside of the dash. Connect the hose to a T and then run those hoses to the inlet ports of each wiper transmission. I find it a lot easier to check how the wipers /washers work before you put in the radio by plugging the vacuum hose to the radio and then start the car. I think the book calls for the larger of the two vacuum hoses to be 5/32 ID and the smaller to be 7/64 ID. Good luck in figuring out what I just wrote. I hope it makes sense.