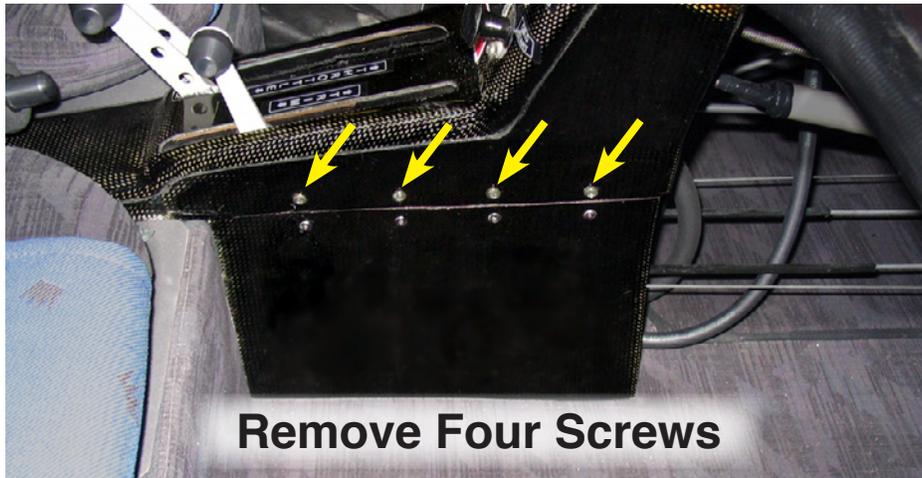


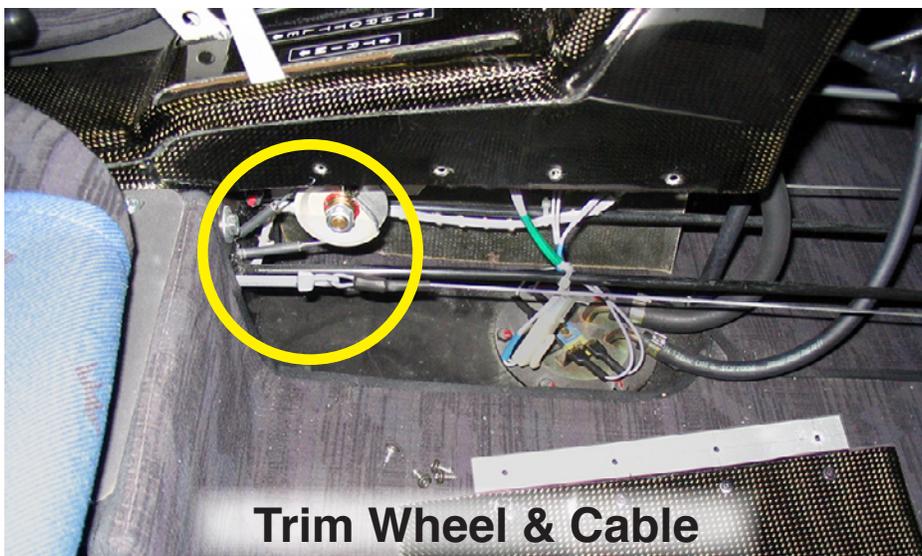
How To Adjust The Elevator Trim Cable

The elevator trim cable is wrapped around the elevator trim wheel, which is attached to the bottom of the elevator trim lever. You will want to adjust the position of the cable with respect to the wheel in order to gain either more nose up trim, or more nose down trim, in flight.

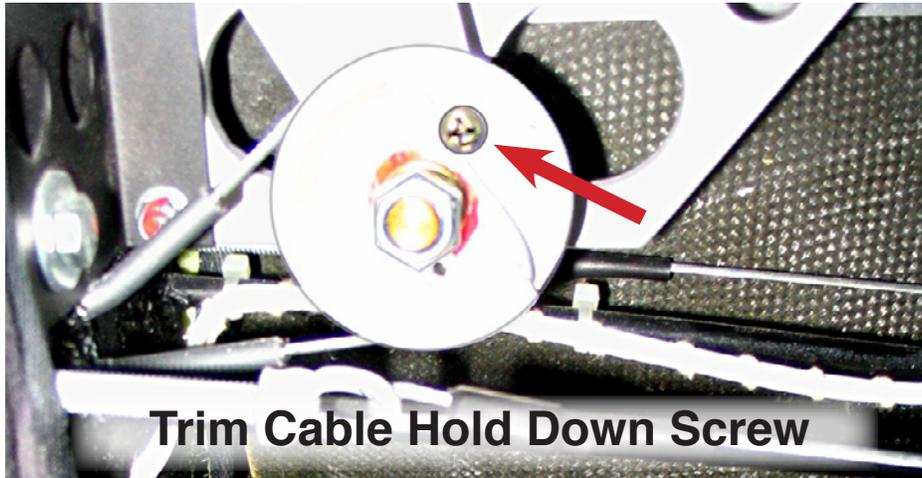
To access the cable and trim wheel, remove the access panel on the copilot side by removing the four retaining screws.



With the access panel removed, the elevator trim cable and trim wheel can be visualized, as shown inside the circled area below.

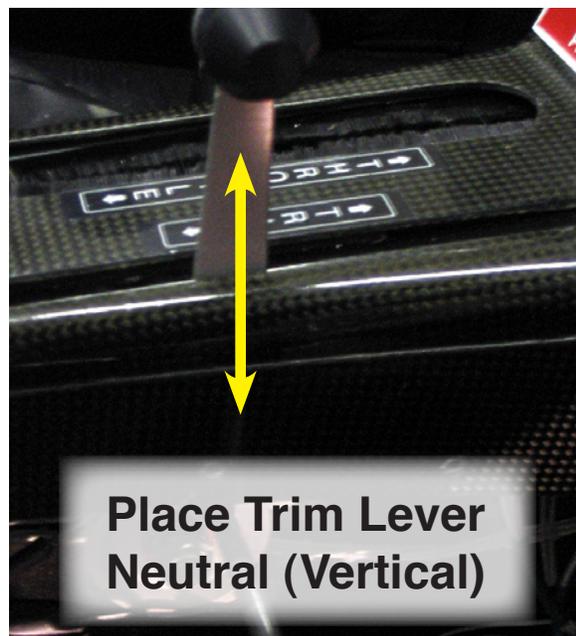
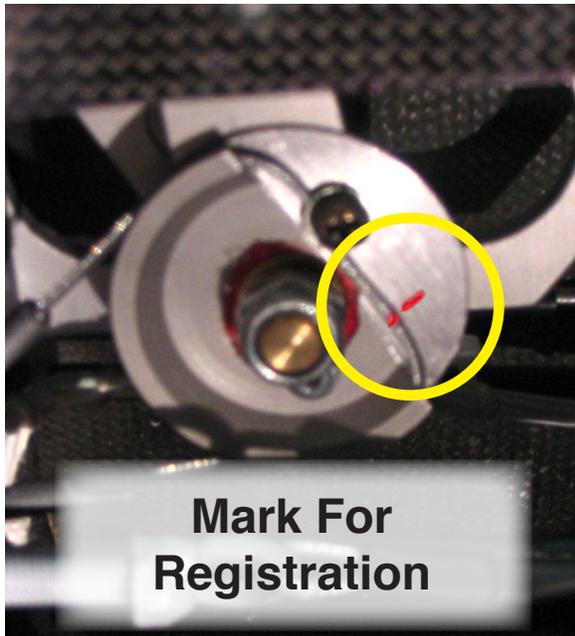


Locate the trim cable hold-down screw on the trim wheel, as shown in the next photo. Do NOT loosen the hold-down screw yet. First it is important to create a registration mark and place the elevator trim lever in the neutral position.



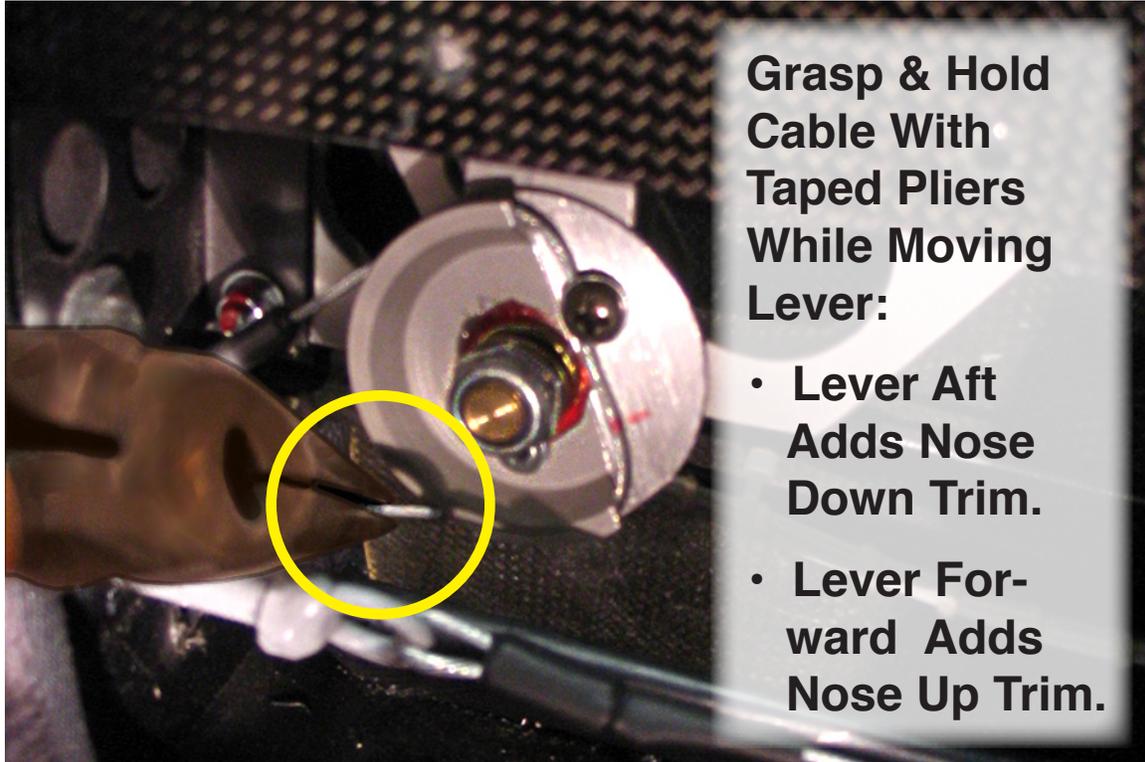
Make a registration mark with a liquid marker, not a pencil, on the cable and the trim wheel as shown below, left. Now if you have to recreate the existing trim conditions, just re-match your registration marks.

Next, move the trim lever to the vertical (neutral) position so you will have room to move the lever fore or aft as required to re-align trim for flight. Then, holding the trim lever so it will not move, use a Phillips screwdriver to loosen the trim cable hold down screw enough so the cable is free to slide beneath it. Do NOT move the trim lever.



The next step requires a pair of pliers, needle-nosed will do, wrapped with tape. You will grip the cable with the pliers and the tape will act as padding to protect the cable from any damage.

Grip the elevator trim cable with the tape-padded pliers. Bracing the pliers, hold the trim cable in place while you move the elevator trim lever forward or aft to adjust the trim. The trim wheel will turn, causing the cable to slide across the flat of the wheel.



To Make The Proper Adjustment: This part can be confusing, so follow carefully. While holding the cable in place, you must move the trim lever opposite to the direction in which you want to add trim:

- To make more NOSE DOWN TRIM available in the next flight, hold the cable steady and move the trim lever aft.
- To make more NOSE UP TRIM available in the next flight, hold the cable steady and move the trim lever forward.

Estimate the amount of adjustment required, then make reasonably small adjustments and test them. Re-tighten the cable hold-down screw before each test flight. Check for neutral trim and for sufficiency of nose up and nose down trim. When you are satisfied with the elevator trim cable adjustment, re-check that the cable hold-down screw is secure and replace the access panel with the four retaining screws. Be sure to check that the fuel line is not in contact with the leading edge of the access panel or rubbing against any other materials.

Fly the airplane. Repeat if necessary until the elevator trim performs appropriately.