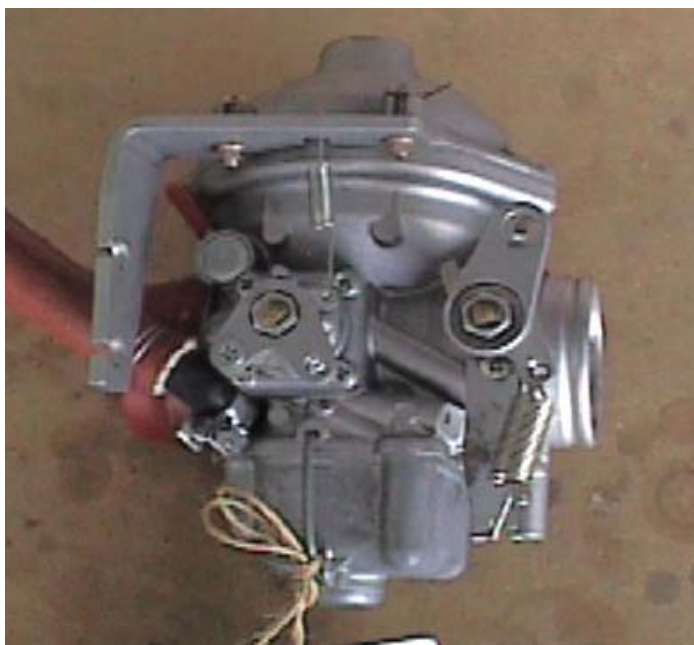


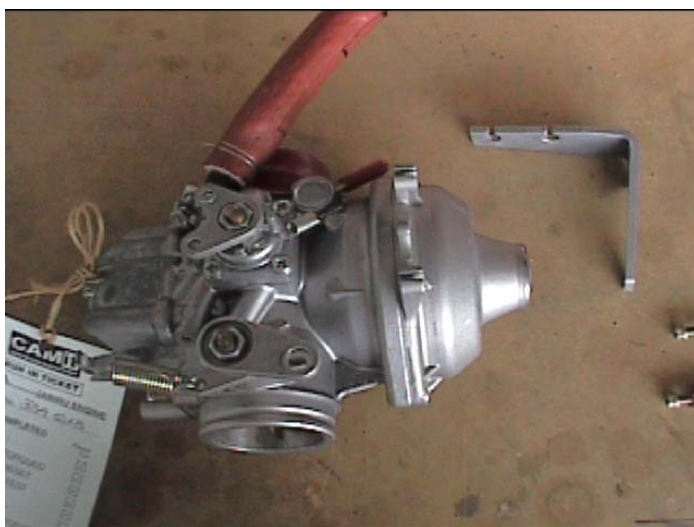
A single Vernier type throttle is supplied with the CH601 standard firewall forward kit. Installing the throttle cable is relatively easy with only a few modifications to the throttle bracket on the carb and installation of a throttle arm extension.

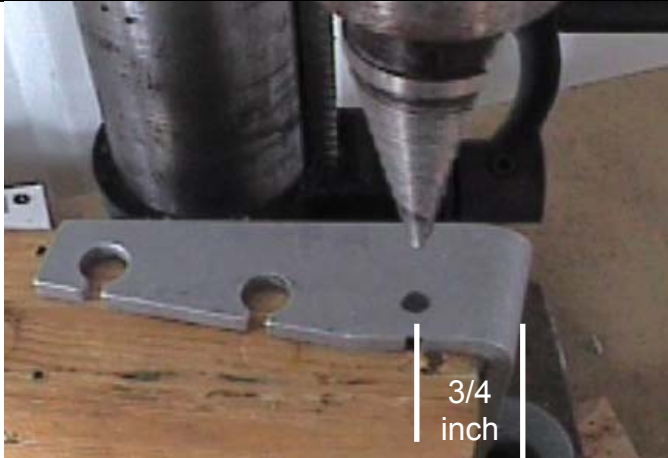
### **Preparing the carb**

1. Remove the carb from the engine by loosening the band clamp on the carb side of the rubber boot adapter. Unhook the ground strap from the carb.



2. With the carb on the bench, cover all openings of the carb with tape to prevent any debris from entering the interior of the carb. Remove the throttle bracket from the carb



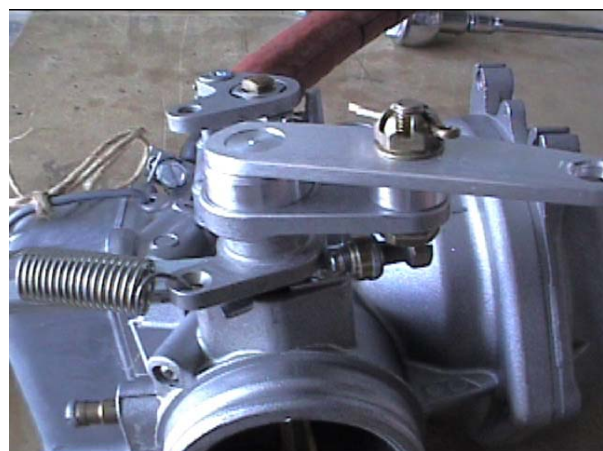
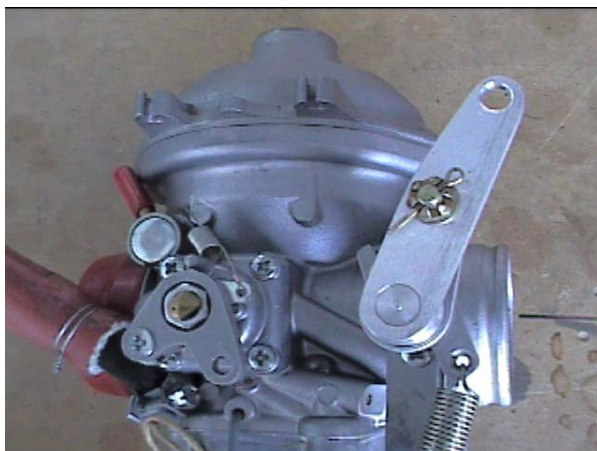


3. Mark the location for a new hole in the carb throttle bracket as marked in the photo. The new hole should be .25 inch diameter and located 3/4 inch down from the top surface of the bracket and in line with the two existing holes. Recheck the location and drill the hole to 1/4 inch.



File a notch from the outside of the bracket into the hole similar to the two existing holes.

Deburr all surfaces. Remount the throttle bracket on the carb.



4. Install the throttle arm extension per the directions in the package.

5. Mount the carb back on the engine making sure to connect the ground wire. Make sure the ridge on the boot is seated in the groove on the carb before tightening the band clamp. Position the carb vertical—not leaning to one side

**Routing the cable**

Project a line back from the new hole in the carb bracket to the fire-wall and mark the spot on the fire-wall where the throttle cable will come through the firewall. This mark should be to the right of the nose gear channel but as straight aft of the carb as possible. Make sure the hole is far enough away from the nose gear channel so that the cable will not chafe.

Drill this hole to size for a rubber bushing (not supplied).



Mount the cable in the panel and route the cable forward and down and through the firewall grommet. Make sure to avoid interference with other wires and structures.





Remove one of the nuts from the cable end adjuster and insert the adjuster into the top hole in the carb throttle bracket. At this point, the throttle wire should extend out past the throttle arm extension.

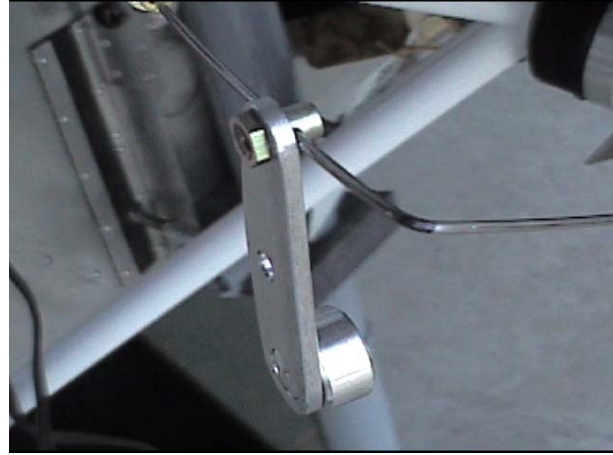
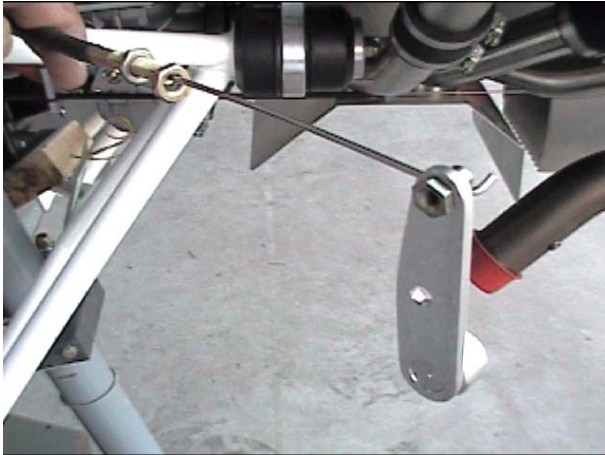
Make sure the throttle knob on the panel is pushed all the way in. Trim the throttle wire to about one inch forward of the throttle arm extension.



Slide the nut from the cable end adjuster back on to the adjuster (there should be a nut on each side of the carb throttle bracket) and tighten securely.

## Zenith CH601 Vernier Throttle Installation

Pull the throttle knob out an inch or so. Insert the cable swivel (the small brass piece with the set screws in it) into the throttle arm extension from the outside (the cable wire will pass on the inside of the throttle arm). Place a AN960-416 washer next to the throttle arm. Make sure the set screws are clear of the hole in the swivel so the throttle wire can pass through the hole and insert the wire into the cable swivel..



Push the throttle knob all the way in. Tighten the set screws on the swivel. The throttle arm is pulled full open by the spring. Make sure the throttle knob is all the way in when the throttle is full open. Adjustments can be made at the cable end adjuster. Optionally, bend the end of the throttle wire.

