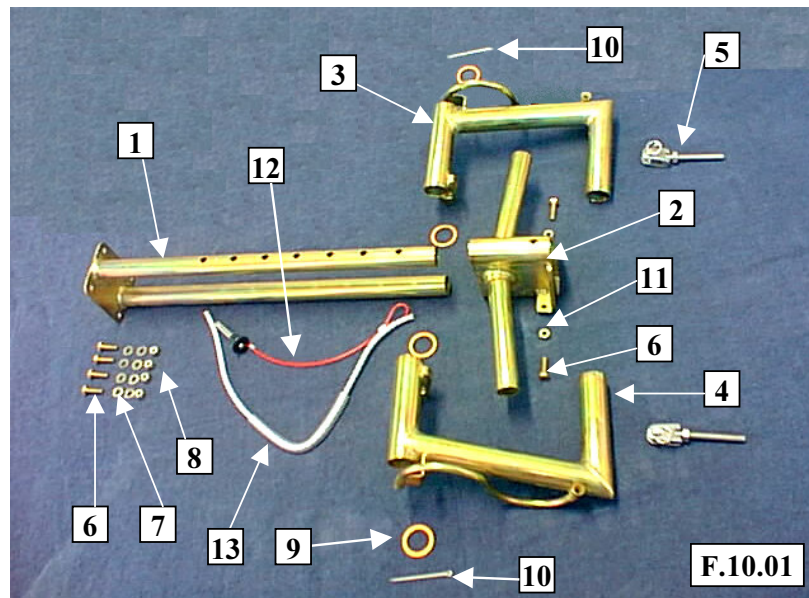
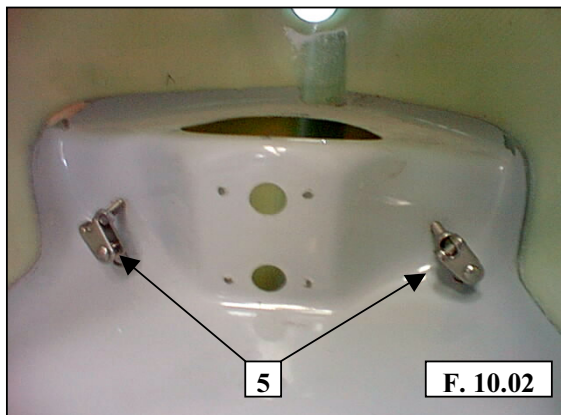


A.10. PEDAL CLUSTER INSTALLATION



Ref.	Description	Code	Qty.	Note
1	Pedal slider tubes		1	F.10.01
2	Pedal support mount		1	F.10.01
3	Left pedal		1	F.10.01
4	Right pedal		1	F.10.01
5	Rudder cable anchor		2	F.10.01
6	Hex head bolt M5x12		6	F.10.01
7	Washer Ø5x10x0.8 mm		8	F.10.01
8	Self-locking nut M5		4	F.10.01
9	Copper washer Ø18x24x1.5 mm		4	F.10.01
10	Cotter pin Ø2.5x32 mm		2	F.10.01
11	Hex nut M5x4		2	F.10.01
12	Ball-detent push-pin		1	F.10.01
13	Pedal return elastic bungee		1	F.10.01



Screw the two rudder cable anchors (ref.5) into the tapped holes in the forward face of the floor pan. Use an open end wrench and place the wrench on the sides of the “U” shaped fitting. Do not force the jam nuts; this may unintentionally loosen them.

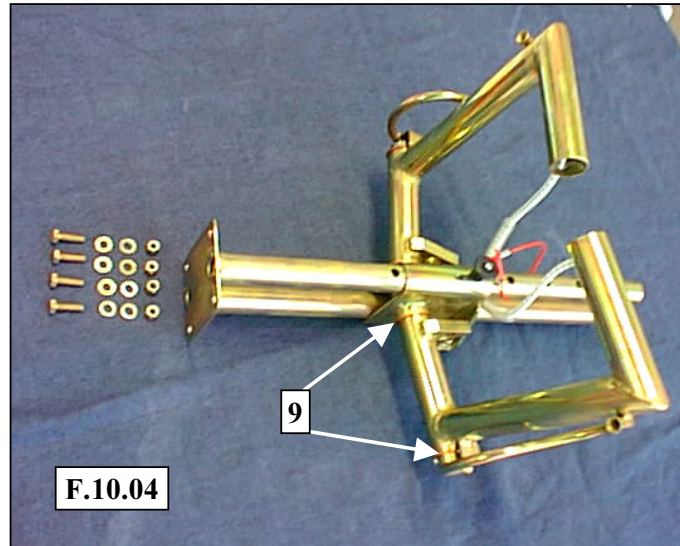
Using an Ø18 mm (Ø0.70”) hole saw with a center bit, cut the two holes at the centerline of the forward face of the cockpit pan (photo F.10.02). The location of the holes is already marked. If an Ø18 mm saw is not available, cut them with a Ø5/8” hole saw or Ø11/16” step drill then carefully enlarge them with sandpaper to match the slider tubes.

Position the pedal slider tube weldment (ref. 1) into the two holes that were just cut and place the rear plate against the mirrored face of the cockpit floor pan (i.e. the front face of the instrument panel base). Center the plate on the face (photo F. 10.03) and position it so that the bottom edge of the lower tube is 6mm (0.24”) above the floor pan. Make a wooden shim if desired.

Trace the position of one of the two $\text{\O}5\text{mm}$ ($\text{\O}0.20''$) holes at the upper corners of the plate. Remove the slider tubes and drill the $\text{\O}5\text{mm}$ ($\text{\O}0.20''$) hole. Now assemble the entire pedal cluster as shown in photo F.10.04. Pay particular attention to the location of the 4 copper washers (ref. 9) which need to be installed as shown for each pedal. Insert a cotter pin (ref. 10) at the end of each of the pedal support tubes.



Position the pedal cluster against the floor pan in the sequence shown in photos F.10.05 and F.10.06.



Attach the cluster with an M5 bolt at the single hole that was drilled previously. Position it so that the pedals are aligned with the horizontal plane of the floor pan. Trace the positions of the remaining three $\text{\O}5\text{mm}$ ($\text{\O}0.20''$) holes. Measure the diameter of the ball detent pin (ref. 12) and, if necessary, match drill each hole in the top slider tube with the hole in the pedal support mount using a drill bit of the same diameter.



Remove the pedal cluster again, drill the three $\text{\O}5\text{mm}$ ($\text{\O}0.20''$) holes that were just marked on the floor pan face, and de-burr the holes in the slider tube and support mount. Re-install the pedal cluster and attach it with the four M5x12 hex head bolts (ref. 6). Place a washer (ref.7) under each bolt head and under each M5 self-locking nut (ref. 8).

The remaining two M5x12 hex head bolts (ref. 6) are for the pedal stops. Screw these and the M5 jam nuts (ref. 11) into the pedal support mount (ref. 2) for now. Their position will be adjusted in Chapter A.25.

After referring to photo F.10.04, install the ball detent pin (ref. 12). Simply tie the elastic bungee (ref. 13) to the slider tube for now (it will be installed in Chapter A.25).