

STOL CH 801 FORWARD FUSELAGE ASSEMBLY

SECTION 8 Brake Pedals and Master Cylinders



Left and right BRAKE PEDALS 8C4-7: The bend on the right pedals is O/B; the bend on the left pedal is I/B.



**BRAKE PEDAL HINGE
8C4-8**

The shorter section is the top



The hinge is installed on the front side of the rudder pedals. The spin is towards the back.

Bend the bottom flange to wrap around the 3/8" tube of the rudder pedals.



Stainless steel rivets AS5

3 RIVETS AS5

In the toe brake 8C4-7

4 RIVETS AS5

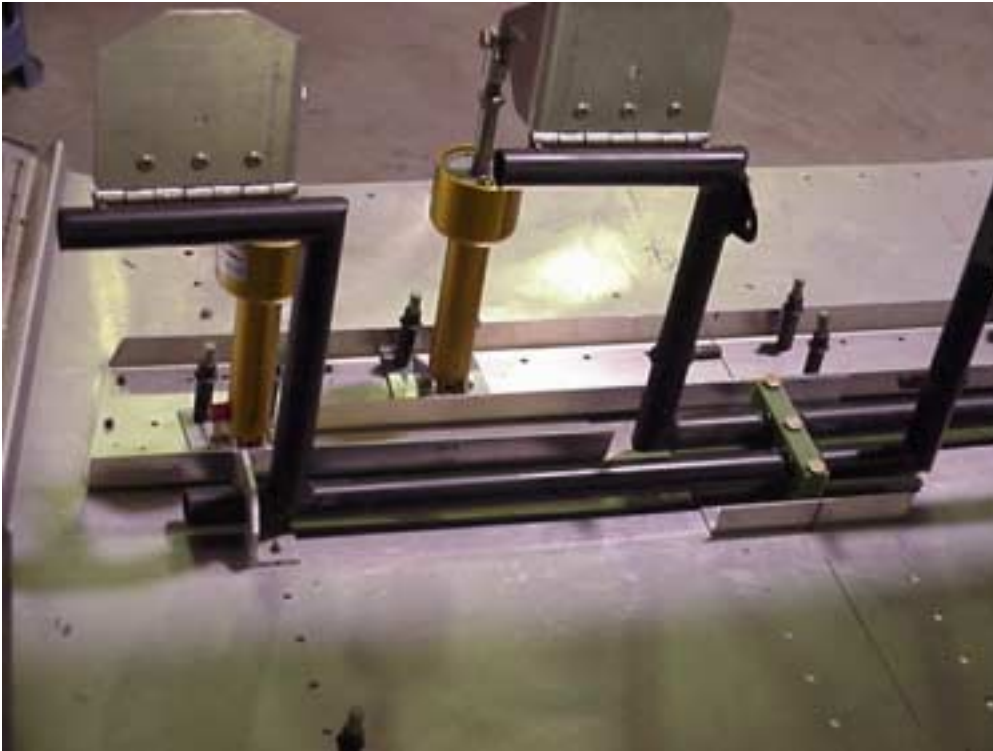
In the rudder pedals.

View of the front side of the hinge (standing by the firewall looking back)
The toe brakes overlap on the backside of the hinge. Set the head of the 3 rivets on the toe brake.



Drill a 1/16" at the each end of the spin to insert a cotter pin to keep the hinge pin from sliding out.

Riveting of the brake pedal to the rudder pedal.



View from the pilot seat

This is how the installation will look once the pedals and cylinders are installed in the aircraft.



**BRAKE CYLINDER
SUPPORT
8C4-4**

Orientation: The long slope is towards the front

File the edges smooth to remove the saw marks.



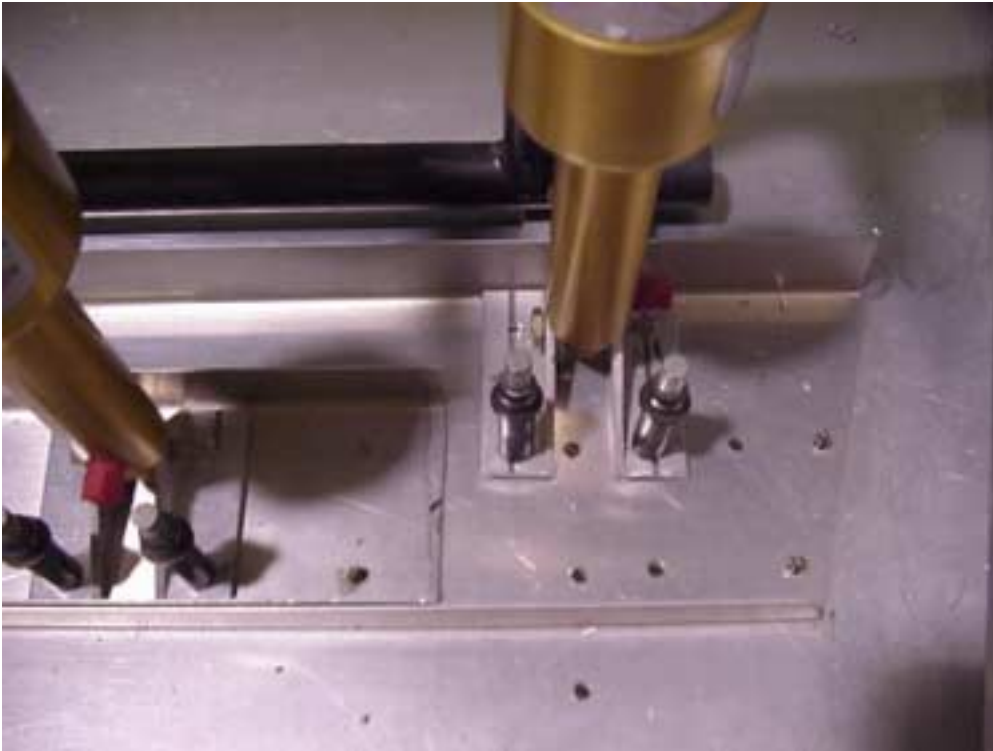
Temporarily install the master cylinder to check the alignment.

Detail of left side, viewed from the front.



Check: the base of the master cylinder fits between the Brake Support 8C4-4

Position of the Brake Support 8C4-4



The left supports straddle the Longerons 8F10-3

2 RIVETS A5

In each 8C4-4

NOTE: the distance from the base of the master cylinders to the rudder pedal is the same for the left and right side.

Remove the rudder pedals to prepare to fit the brake pedals.



The distance to the base of the master cylinder is the same for the left and right pedal.

CHECK: move both pedals forward at the same time: the top of the toe brake will lean back the same amount on the left and right side.

The right pedal is forward of the left.

Neutral position: the pedals (not the toe brake) are in line over the middle bolt of the center bearing. The neutral position is set later when the rudder cables are installed.

Top view of left side showing offset of rudder pedals and of the master cylinders