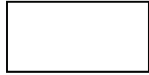


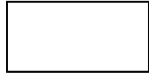
## 25. Pedal Push Rod Assembly



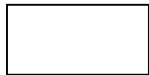
**Required Items:** 4 Pedal pushrods ALR-0033, 2 pedal bell cranks ALR-0032, 2 pedal assemblies ALR-0030. 8 1/4-28 rod ends, 8 1/4-28 jamnuts, 8 1/4" large area washers. 8 AN4-10A bolts, 10



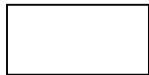
1. Install jam nuts on each rod end (8 total)



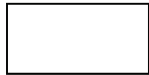
2. Assemble the four push rods ALR-0033 by threading a rod end with jam nut into each end of the push rods.



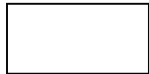
3. Install the bell crank ALR-0032 onto the bolt welded onto the back side of the down tube of the rudder pedal tree. Secure with 1/4-28 nyloc nut.



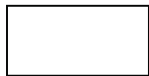
4. If not drilled already, drill a 1/4" hole as shown in the bellcrank picture to the right. This hole is for the rudder cable attach point.



5. Lay out the rudder pedal assy ALR-0030 with the brake cylinder brackets down and the bell crank up. Be sure that the cable attach hole point left on one pedal and right on the other, this is so these holes point towards each other when installed.



6. Install the push rods to the bracket on the rudder pedal (rod ends must be on the inside of the tabs on rudder pedal) and the holes in the bell crank. Secure with AN4-10A bolts, Wide washers over the rod end, and 1/4-28 nyloc nuts. **Note: it is important that the rod-end have a wide washer that is slightly larger than it to keep the rod end capture in the event of a bearing failure.**



7. Adjust length of the rods so that the down tubes of the pedals are parallel to the main down tube of the pedal tree when the upper end of the triangular shaped bell crank points straight up.

