

C. Installation of New Hydraulic Power System.

See Figure 2.

1. Rotate the 145-58017 shut-off valve in the base of the hydraulic reservoir, tightening the threads, so the slide valve control operates from the left side, as viewed from the cockpit.
2. Remove 200 X 6 connector from the bottom of the removed flow regulator. Install connector in bottom of the 145-58017 shut-off valve. (200 X 6 connectors are furnished in 145-89032-10 kits.)
3. Mount 145-58291 bellcrank bracket on firewall with one AN520-10R10 screw, one AN520-10R7 screw, two AN960-D10 washers, and AN365-1032 nuts.

NOTE: Install AN520-10R10 screw in right-hand upper bracket mounting hole, and attach left-hand fuel pump hose at this point with new AN742-12C clamp.

Lower hole in bracket picks up existing hole for electrical wire clamp in firewall angle. Turn electrical wire Adel clamp over, and install on bottom of angle with AN520-10R10 screw and AN365-1032 nut through bellcrank bracket, firewall angle, and wire clamp.

4. Install pair of 145-58286 bellcranks on 145-58291 bracket with one AN3-7A bolt, 4S3-10-16 spacer, AN960-10 washer, and AN365-1032 nut.
5. Mount 145-58027 relief valve on 145-58292 relief valve bracket with two AN3-12A bolts through lower holes, six AN960-D10 washers, and two AN365-1032 nuts. Two washers are placed on each bolt between valve and bracket. One washer is placed under each nut. Attach relief valve to upper hole in bracket, using existing pivot bolt, washers, and nut at top of relief valve.

NOTE: Lifter on top of relief valve must be in the plunger depressed position before the pivot bolt is tightened to the bracket. It is imperative that this procedure be followed to eliminate backlash in the lifter pivot bolt and bushings, and allow the proper clearance between the lifter roller and valve plunger after the valve is installed. The valve is adjusted at the factory and should not be disturbed. If adjustment has been tampered with, readjust as follows:

Loosen small jam nut at base of lifter housing, and screw housing in or out on relief valve body until a clearance of .025 to .035 inch is obtained between roller and valve plunger with plunger in up position. All play must be taken up in pivot bolt bushing and holes when checking this clearance. After clearance is obtained, tighten jam nut previously loosened.