

SECTION III

INSTALLATION OF MODIFIED ENGINE-
DRIVEN HYDRAULIC PUMP

A. Installation of Engine-driven Hydraulic Pump.

1. Remove old engine-driven hydraulic pump from right-hand side of the engine accessory section.
2. Install the new 145-58020 modified hydraulic pump, using 145-58189 drive adapter, new AN4045-1 gasket, and removed washers, nuts, and palnuts.

NOTE: Modified pump is identified by a green dot on the attaching flange.

SECTION IV

CHECK-OUT AND OPERATION OF SYSTEM

A. Check-out of System.

1. Fill hydraulic reservoir with clean (red) hydraulic fluid
2. Relief valve lever should have full throw against both stops.
3. Jack airplane, and operate flaps and gear several cycles by hand-pump. Check hydraulic power light with dimmer switch on "BRIGHT".

NOTE: Shift 145-58303 striker on 145-58302 link rod to operate position light switch in both directions. Tabs on striker may be bent for additional adjustment.

4. Remove jacks, and with engine running, operate flaps several cycles.
5. Check hydraulic system for line connection leaks, and re-fill hydraulic reservoir if necessary.

B. Operation of Controlled Relief Valve Hydraulic System.

1. General

- a. Take-off - Pull hydraulic power control "ON" just before starting take-off run; push control off after gear is raised.
- b. Landing - Before lowering gear, pull power control "ON," and leave ON until flaps are raised after landing is completed.