

FIELD SERVICE BULLETIN

NO. 20
JANUARY 28, 1947

MANDATORY - MUST BE
ACCOMPLISHED BY 3-23-47

HARTZELL NO. 8628 PROPELLER BLADE TIP REWORK

Effective on all airplanes.

DELIVERED AIRPLANES AFFECTED:

NAV-4-2 thru NAV-4-550

This modification will be made at the factory on airplanes NAV-4-551 and subsequent.

Tests on the propeller blades indicate that the propeller diameter should be reduced from 86 inches to 84 inches. This reduction in diameter should help prevent cracking of the blade tipping and loss of rivets.

A. REMOVAL OF HARTZELL PROPELLER AND A-101 SERVO VALVE LEVER

CAUTION: Be sure ignition switch is off.

1. Before removing propeller, mark the blade shanks and blade actuating links in order that propeller can be reinstalled with the blades attached to their respective actuating links.
2. Remove the two wire spring locks and Allen head bolts from ends of the blade shanks.
3. Remove the clevis pin through the propeller retaining nut.
4. Unscrew retaining nut, and remove propeller from propeller shaft.
5. Remove the bolt attaching the clevis end of the propeller control to the servo valve lever.
6. Remove the clevis pin attaching the servo lever arm to the propeller cylinder. Remove servo lever from airplane.

B. MODIFICATION OF PROPELLER BLADE TIP FROM NO. 8628 TO NO. 8428R AS AUTHORIZED BY PROPELLER MANUFACTURER.

SEE FIGURE 1

1. Remove approximately 7-7/8 inches (to the break or file cut nearest 7-7/8 inches from the tip) of the outer section of the metal leading edge as follows: