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FIELD SERVICE BULLETIN NO. 5 - MANDATORY

JANUARY 3, 1949

TO: ALL NAVION DISTRIBUTORS, DEALERS AND OWNERS

SUBJECT: SECTION I. COUNTERWEIGHTS, MODIFICATION OF PROPELLER
SECTION II. ADJUSTMENT OF PROPELLER
SECTION III. REWORK OF 4-1/8 INCH COUNTERWEIGHTS
SECTION IV. INSPECTION OF ENGINE

CANCELS: NAVION SERVICE LETTER NO. 52, DATED SEPTEMBER 27, 1948

ACCOMPLISH: IMMEDIATELY

EFFECTIVITY: ALL NAVIONS WITH CONTINENTAL E-185-3 ENGINES EQUIPPED WITH
HARTZELL PROPELLERS AS FOLLOWS:

1. Engine Serial Numbers 4289D through 5110D
2. All Reworked Engines which were equipped
with Bronze Thrust Washers at Overhaul

REFERENCES: CONTINENTAL MOTORS CORPORATION BULLETINS NOS.:

1. M48-7 Dated May 26, 1948
2. M48-J Dated May 17, 1948
3. M48-10 Dated May 27, 1948
4. M48-30 Dated Nov. 23, 1948 (Copy attached)

HARTZELL PROPELLER COMPANY BULLETIN NOS.:

1. 11 Dated Dec. 1, 1948 (Copy attached)

PURPOSE: Under certain conditions, the force created by the original 4-1/2 inch counterweights on the Hartzell Propeller in combination with the Continental bronze thrust washer is great enough to cause engine thrust bearing failures. It is necessary to shorten the weights to decrease this force. An excess force will also be applied to the thrust washer if improper adjustment of the propeller decreases the jack to hub clearance, allowing the jack assembly to bottom on the hub.