

DATE <u>9/24/59</u>	TMC SPECIFICATION NO. S-451
SH. <u>1</u> OF <u>2</u>	
COMPILED BY D.W. CARTER	TITLE: GPT-750 () MARK I UPPER BLOWER MODIFICATION KIT
APPR VED <i>C</i>	JOB <u>REV. B</u> P/O MODIFICATION KIT, TMC NO. 149

1. Material List

- A. 1 BL 102 Blower.
- B. 1 PM 569 Mounting Plate.
- C. 1 MS 1709 Right Angle Bracket.
- D. 1 MS 1712 Blower Housing Assembly.
- E. 1 MS 1711 Blower Housing Cover Plate.
- F. 1 MS 1710 Mounting Bracket.
- G. 1 Set Interconnect Wiring as per IN-1065.
- H. 23 6-32 x 5/16" Machine Screws (SCBP0632BN-5).
- I. 23 Washers (LWEO6MRN).
- J. 1 1.0 MFD 600V Paper Capacitor CP53BLFF105K.
- K. Assembly Drawing IN-1065.
- L. 1 MS 724.
- M. 4 Washers, Flat (FWO632HBN).
- N. 2 Nuts, Hex (NTHO632BN8).

2. This modification kit is designed so as to permit its installation in the GPT-750 Transmitter using existing holes in the PA compartment. It is not necessary to drill additional holes.

3. Installation Procedure.

- A. Disconnect AC Power to the Transmitter.
- B. Disconnect and remove RTF Deck from cabinet.
- C. Disconnect existing blower motor from terminals 5 and 6 of E 201.
- D. Remove old blower and rotor assembly by removing screws (4) securing motor mounting plate to PA compartment. Discard blower, rotor assembly and screws.
- E. Remove Top cover plate of rotor housing enclosure by removing screws (3). Discard cover plate and screws.
- F. Remove rotor housing enclosure by removing screws (6) on PA compartment side plate and (4) on PA compartment (rear). Discard housing and screws.
- G. Remove rotor housing by removing screws (5) on PA compartment side plate. Discard rotor housing and screws.
- H. Install right angle bracket (MS 1709) on rear of PA compartment using three 6-32 5/16" machine screws and lockwashers (supplied).

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SH. 2 OF 2

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JOB REUB

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3. Installation procedure. (continued)

- I. Mount air vane (MS724) to (MS1712) using 6-32 nuts, screws and washers. Install blower housing assembly (MS 1712) using six 6-32, 5/16" machine screws and lockwashers (supplied) on the PA compartment left side plate and one 6-32, 5/16" machine screw with lockwasher (supplied) on the PA compartment rear.
- J. Insert blower (BL 102) with mounting plate (PM 569) into blower housing assembly. The motor starting capacitor (CP5381FF105K) and leads must first be fed through the large round hole in the PA compartment side plate. Orient the blower assembly so that the mouth of the impeller housing is aligned with the rectangular opening in the blower housing assembly. Secure in position using five 6-32, 5/16" machine screws with lockwashers (supplied) through the PA compartment left side plate.
- K. Mount the 1 MFD motor starting capacitor using mounting bracket (MS 1710) on the outside of the PA compartment side plate utilizing the center machine screw in the lower row of screws used to secure the blower housing assembly in Step I. above and the lower rear screw used to secure the blower assembly in Step J. above.
- L. Connect the two leads from the blower motor/starting capacitor (with spade lugs) to terminals 5 and 6 of E 201.
- M. Install blower housing cover plate (MS 1711) using six 6-32, 5/16" screws, six lockwashers and four flat washers (supplied).
- N. Reinstall RTF Deck removed in 2 A. above.
- O. Reconnect A.C. Power to the Transmitter.

