

# TMC SPECIFICATION

NO. 5 1097

REV:  $\emptyset$

COMPILED: WMcC

CHECKED: *FCE*

APPD: *W. May*  
*5/12/66*

SHEET 1 OF 3

TITLE:

Typed by mtp 5/12/66

TEST PROCEDURE

for

**HFR - CHG** BANDSWITCH AND SERVO CONTROL GEAR BOX

# TMC SPECIFICATION

NO. S 1097

REV:

COMPILED: WMcC

CHECKED: JEE

APPD:

SHEET 2 OF 3

TITLE: TEST PROCEDURE CHG-3 --- BANDSWITCH AND SERVO CONTROL GEAR

Typed by mtp 5/11/66

## I. EQUIPMENT REQUIRED

- A. One +28 volt power supply.
- B. One CHG gear train test set.

## II. PROCEDURE

- A. Connect +28 volt power supply to rear of test set. Ground lead connects to black binding post; plus voltage lead connects to red binding post.
- B. Connect test set cable to J1316 (REMOTE CONTROL) on rear of CHG.
- C. Turn on +28 volt power supply. The magnetic clutch in the CHG should operate and the knob on front panel should turn freely. Lock knob with front panel lock so that it does not turn when gear train is in operation.
- D. Position S3 on test set to ON position. The a-c power indicator will light.
- E. Position S4 to OFF position.
- F. Rotate BANDSWITCH POSITION switch through the eight position, allowing time for the bandswitch on the CHG to turn to the corresponding band.
- G. Position cursor in the middle of the band. Turn S4 to ON position, and S2 to Position 1. The servo motor will operate and drive the cursor to the right. When the limit switches are tripped, the motor will change directions, and the pointer will go to the other end of the dial. Each time the limit switches are tripped, the motor will change directions.
- H. Turn S2 to Position 2. The motor will run slowly. The limit switches can not be operated in the slow speed. The motor should travel in either direction when S2 is turned to Position 2 while the pointer is near the center of the dial.
- I. The meter on the test set will read full-scale when the motor is operating in either direction at the fast speed.
- J. When tests are completed, turn off +28 volt power supply and turn S3 to OFF position.
- K. Disconnect CHG from test set. This completes the testing of CHG gear assemblies.

