

DATE December 26, 1962

SHEET 1 OF 4

TMC SPECIFICATION NO. S 714

JNS  
COMPILED

*JMA*  
CHECKED

TITLE: FRONT PANEL AND FRAME ASSEMBLY

APPROVED

*BP*

AX-383 TEST PROCEDURE  
(HFS) FRONT PANEL AND FRAME ASSEMBLY

DATE December 26, 1962

SHEET 2 OF 4

# TMC SPECIFICATION NO. S - 714

JNS  
COMPILED

*MP*  
CHECKED

TITLE: AX-383 TEST PROCEDURE

APPROVED

(HFS) FRONT PANEL AND FRAME ASSEMBLY

## I. FUNCTION AND DESCRIPTION

The purpose of the Front Panel and Frame Assembly of the HFS-1 is to serve as a support as well as a power distribution system for the individual units that make up the HFS-1. This unit also houses the sync relay circuit which is controlled by AX-387.

## II. TEST EQUIPMENT REQUIRED

- a. Simpson 260A multimeter or equivalent.
- b. Harrison Mo. 865B Power Supply or equivalent.
- c. 22K 1/2 watt resistor.
- d. 10K potentiometer type RV-4.
- e. 9 volt battery.

## III. PROCEDURE

a. Inspect unit carefully. See that unit is clear of loose parts and obvious shorts. Check for continuity between ground and J3001, pins D, F, H, L and P. Check for continuity between: ground and pin 1, 3 and 7 of J3003, J3004, J3005, J3006, J3007; also between ground and pin A of J3002.

### b. B+ Distribution

1. Measure resistance of B+ line to ground, J3001, pin K. Reading should be infinite.
2. Check continuity of B+ line, J3001, pin K to pin #6 of J3003, J3004, J3005, J3006 and J3007; and also pin D of J3002.

### c. Filament Distribution

1. Measure resistance from J3001, pin A, to ground. Resistance should be infinite.
2. Check continuity from pin A, J3001 to pins B, E and R.
3. Check continuity from pin A, J3001 to pin 2, J3003, J3004.

DATE December 26, 1962

SHEET 3 OF 4

TMC SPECIFICATION NO. S - 714

JNS  
COMPILED

*N.P.*  
CHECKED

TITLE: AX-383 TEST PROCEDURE

APPROVED

(HFS) FRONT PANEL AND FRAME ASSEMBLY

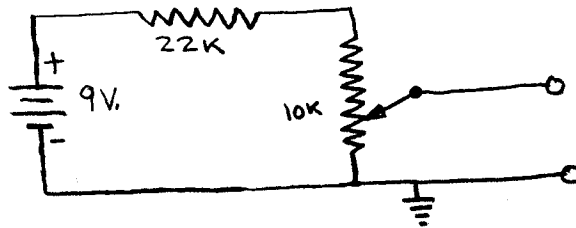
J3005, J3006, J3007 and pin E, J3002.

d. Sync. Relay Circuit

1. Insert transistor in socket.
2. Check continuity from pin N, J3001 to ground.
3. Check resistance from pin J, J3001 to ground.

Resistance should be infinite.

4. Connect 28 volts D-C to pin C, J3001 with negative side to ground.
5. Connect 9 volt battery, 10K potentiometer and 22K resistor as shown below. Attach negative side of battery to ground and wiper arm to pin 4, J3006.



6. Set meter to read resistance and connect between ground and pin J, J3001. The resistance reading should still be infinite.
7. Rotate potentiometer clockwise. The relay operation will be noted when the meter drops to zero from infinity.
8. Remove meter from Pin J, and set on D-C and attach it across potentiometer wiper arm and ground. Note the D-C voltage. This is the amount necessary to cause the transistor to operate the relay. It should be between 0.5 and 1.0 volts D-C.

DATE December 26, 1962

SHEET \_\_\_\_\_ OF \_\_\_\_\_

# TMC SPECIFICATION NO. S - 714

JNS  
COMPILED

*MP*  
CHECKED

TITLE: AX-383 TEST PROCEDURE

APPROVED

(HFS) FRONT PANEL & FRAME ASSEMBLY

THE TECHNICAL MATERIEL CORP.

MAMARONECK, N.Y.

AX-383(HFS-1)TEST DATA SHEET

SERIAL NO.: \_\_\_\_\_

MFG. NO.: \_\_\_\_\_

Mechanical Errors \_\_\_\_\_ OK

### B+ DISTRIBUTION

1. Resistance infinite \_\_\_\_\_ OK

2. Continuity \_\_\_\_\_ OK

### FILAMENT DISTRIBUTION

1. Resistance infinite \_\_\_\_\_ OK

2. Continuity \_\_\_\_\_ OK

3. Continuity \_\_\_\_\_ OK

### SYNC. RELAY CIRCUIT

2. Continuity \_\_\_\_\_ OK

3. Resistance infinite \_\_\_\_\_ OK

8. Relay operates between  
0.5V to 1.0VDC \_\_\_\_\_ volt

DATE: \_\_\_\_\_

TESTER: \_\_\_\_\_