

GROUND TEST INSTRUCTIONS

SECTION 9

FIRE EXTINGUISHING SYSTEM

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PART 1 – FIRE EXTINGUISHING SYSTEM TESTS

SECTION 9

FIRE EXTINGUISHING SYSTEM

The following tests must be made on the fire extinguishing system and components:—

1. ELECTRICAL CIRCUIT – WARNING

The operation of the battery master switch does NOT isolate the fire extinguishing system circuit: it is therefore necessary to take additional precautions when working on this system.

Before commencing any tests or work upon fire extinguishing system the following safety precautions must be taken:—

- (a) Render system 'Electrically Safe' (see Sect.6, Part 1, Para.1).
- (b) Remove and retain circuit fuses.

2. FIRE EXTINGUISHING CYLINDERS

Test cylinder discharge heads as detailed in aircraft Volume 1, Sect.5, Chap.1.

3. FLAME SWITCHES

Test flame switches and wiring as detailed in aircraft Volume 1, Sect.5, Chap.1.

4. TESTS AFTER RECONNECTING

Cases of failure in previously tested fire extinguishing systems indicate that damage can be sustained during the reconnecting after tests. To ensure the system is undamaged after replacing the discharge head and reconnecting the electrical connections, test the resistance of the circuit through the bottle using a safety ohmmeter. Test points and acceptable readings are as follows:—
Mks.6, 9, 10, 12, 56, 57, 58, 59, T66, T66B, T67, T69, 74, 74A, 76, 76A and 78.

Test between terminal 97 on supply panel and earth.

Resistance to be 1.6 to 2.1 ohms.

Mks.T7, T8, T8B, T8C, T53 and T62

Test between terminal 42 on supply panel and earth.

Resistance to be 2.5 to 3.0 ohms.

Mks.T75, T77 and T79.

Test between terminal 42 on supply panel and earth.

Resistance to be 2.75 to 3.75 ohms.

Mks.4, 11, 50, 51 and 52

Test between terminal 124 on supply panel and earth.

Resistance to be 2.5 to 3.0 ohms.

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