

INTER-DEPARTMENTAL MEMORANDUM

Ref 6139/09/J
Date February 6, 1958
To S. E. Harper
~~From~~ DECELERATION PARACHUTE TEMPERATURES

R.F.T. 07-5023, covering determination of temperatures on the deceleration parachute risers, shrouds, and canopy during high speed taxi trials, is attached.

140018
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Technical Flight Test
Co-ordinator

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Detachment.

AVRO AIRCRAFT LIMITED

MALTON, ONTARIO.

REQUISITION FOR FLIGHT TEST

R.F.T. No. 07-5023

Sheet No. 1 of

Date. February 5, 1958

AIRCRAFT
25201

ASSIGNMENT NO.
X73-390

WORK ORDER NO.

DETERMINATION OF TEMPERATURES OF DECELERATION PARACHUTE

1. OBJECT

- 1.1 To determine the approximate maximum temperatures reached by various parts of the deceleration parachute while streamed.

2. EQUIPMENT

- 2.1 Deceleration parachutes.
- 2.2 Temperature indicating paints or dyes to respond to temperatures of approx. 250°F, 300°F and if available, 350°F.

3. PROCEDURE

- 3.1 Temperature sensing paints or dyes should be applied in groups to the parachute canopy, shrouds, and riser, as shown on fig. 1.
- 3.2 The parachute should be streamed during high speed taxi runs immediately after cutting power, and should be jettisoned when the aircraft speed has been reduced to between 20 and 30 knots. The temperature indicating paints or dyes should be examined after each run, and any indicated temperatures should be noted.

4. CONDITIONS

This test is to be conducted during high speed taxi trials on the aircraft, and is not to interfere with the basic objectives of the taxi trials.

5. DATA

Flight note should include details of any temperature indications obtained.

R.F.T. Prepared By: N.B. [Signature]

Approved By: [Signature]

Authorized By: [Signature]

Date for Completion

Priority

Estimated Completion
Date:

AVRO AIRCRAFT LIMITED

MALTON, ONTARIO.

REQUISITION FOR FLIGHT TEST

R.F.T. No. 07-5023

Sheet No. 2 of 2

Date. FEBRUARY 5, 1958

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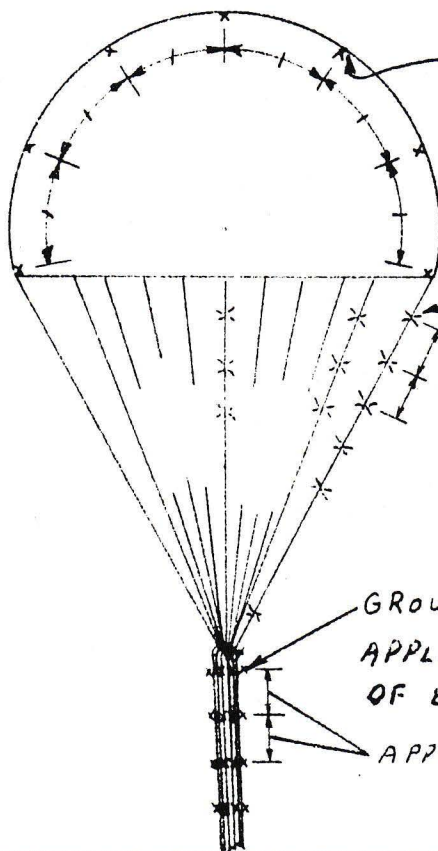
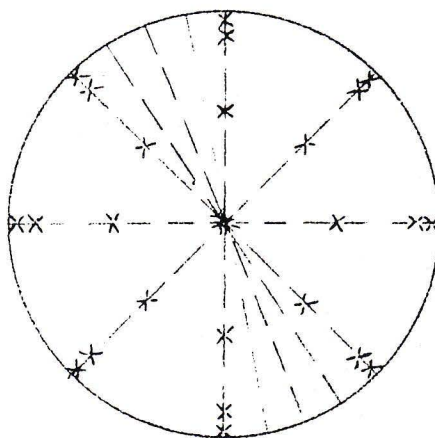
25201

ASSIGNMENT NO. -

X73-390

WORK ORDER NO.

TEMPERATURE INDICATING PAINT OR DYE LOCATIONS



SEVEN GROUPS INSIDE CANOPY
APPROX. EQUALLY SPACED.

GROUPS OF STRIPES ON
EVERY FOURTH SHROUD
APPROX. 2 FT. SPACING

GROUPS OF STRIPES SHOULD BE
APPLIED TO THE OUTER SURFACE
OF EACH LAMINATION OF RISER

APPROX 2 FT. SPACING

R.F.T. Prepared By: NB Penner

Approved By: W. C. Thompson

Authorized By:

Date for Completion

Priority

Estimated Completion
Date: