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BRISTOL AIRCRAFT
(WESTERN) LIMITED
ENGINEERING
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LIST OF RCAF REVISIONS
ROYAL CANADIAN AIR FORCE

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BY *8 Dec 72*



LIST OF SPECIAL INFORMATION

LIQUIDOMETER GENERAL

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

5 MAR 57

EO 20-85B-5A

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LIQUIDOMETER

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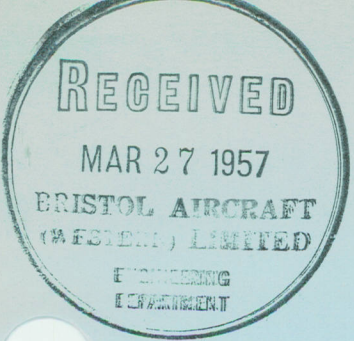
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21 Jan 57	20-85B-5A/1	Fuel Ingress Liquidometer Tank Units

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ROYAL CANADIAN AIR FORCE



SPECIAL INFORMATION
FUEL INGRESS
LIQUIDOMETER TANK UNITS

SUPERSEDED

1 Reports of fuel being found in the electrical section of liquidometer tank units have been received periodically and many tank units have been returned with tags annotated "Leaking Bellows". This problem has been investigated with the following results:-

- (a) Less than ten percent of tank units reported to have leaking bellows were found to have leaks.
- (b) Improper installation of tank units was found to be the chief cause of fuel in an area where it might enter the electrical section of the unit.
- (c) When fuel was found surrounding the exterior of a tank unit, it was usually found inside as specifications do not stipulate that this section must be leakproof.
- (d) Experiments have failed to ignite fuel in the electrical section of these tank units by the use of normal voltages and no record can be found of aircraft fires or explosions attributed to this cause. The presence of fuel in this section is however highly undesirable.

2 The following action is to be taken when fuel is found in or surrounding the electrical section of a liquidometer tank unit:-

- (a) Investigate the cause of fuel in the area, bearing in mind that a leaking bellows is an unlikely cause. Likely causes are: Overfilling of tanks when refuelling, improper installation of tank unit, leakage from fuel lines or fittings in the area.
- (b) Correct the cause of fuel in the area and clean or replace the tank unit.

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

SUPERSEDED
BY 19 July 71

Prepared By:
AMC/SACO/ACA

