

MODIFICATION

REPLACEMENT OF

DC GENERATOR CIRCUIT BREAKERS

(This EO replaces EO 05-45B-6A/240 dated 7 Aug 68)

EQUIPMENT AFFECTED:	Expeditor Aircraft
AIRCRAFT AFFECTED:	NA
TRAINING AIDS AFFECTED:	Nil.
BY WHOM WORK WILL BE PERFORMED:	Operating Units, RD and Contractors.
WHEN WORK WILL BE PERFORMED:	On or before next Periodic Inspection, but not later than 30 Sep 68.
TRADE(S) AFFECTED:	IE Techs, AF Techs, M Tech.
FORM ENTRIES:	CF337, CF355.
MODIFICATION OF SPARES IN STOCK:	NA.
RETURNS:	CF369

PURPOSE

1. To replace existing "Push to Reset" circuit breakers Ref. 5925-00-109-1762 with "Toggle Type" circuit breakers Ref. 5925-00-144-0482 thus providing the pilot with a clear visual check of the circuit breakers, and a positive method of re-setting them if the generating system is open-circuited.

MODIFICATION DATA

2. The following is the sequence of operations:

- (a) Disconnect aircraft batteries and external power source.
- (b) Remove belly panel to gain access to DC generator circuit breakers.
- (c) Disconnect hose assembly Part 109644-022-5A from cockpit air valve assembly Part 404-183948 left-hand and Part 404-183948-1 right-hand.
- (d) Disconnect and remove left and right-hand circuit breakers Ref. 5925-00-109-1762.
- (e) Rework holes in cockpit floor to accommodate toggle type circuit breakers Ref. 5925-00-144-0482.
- (f) Locally manufacture each two brackets as per Figure 1 using sheet aluminum 2S 1/2 H thickness .064 Ref. 9535-21-813-8542.

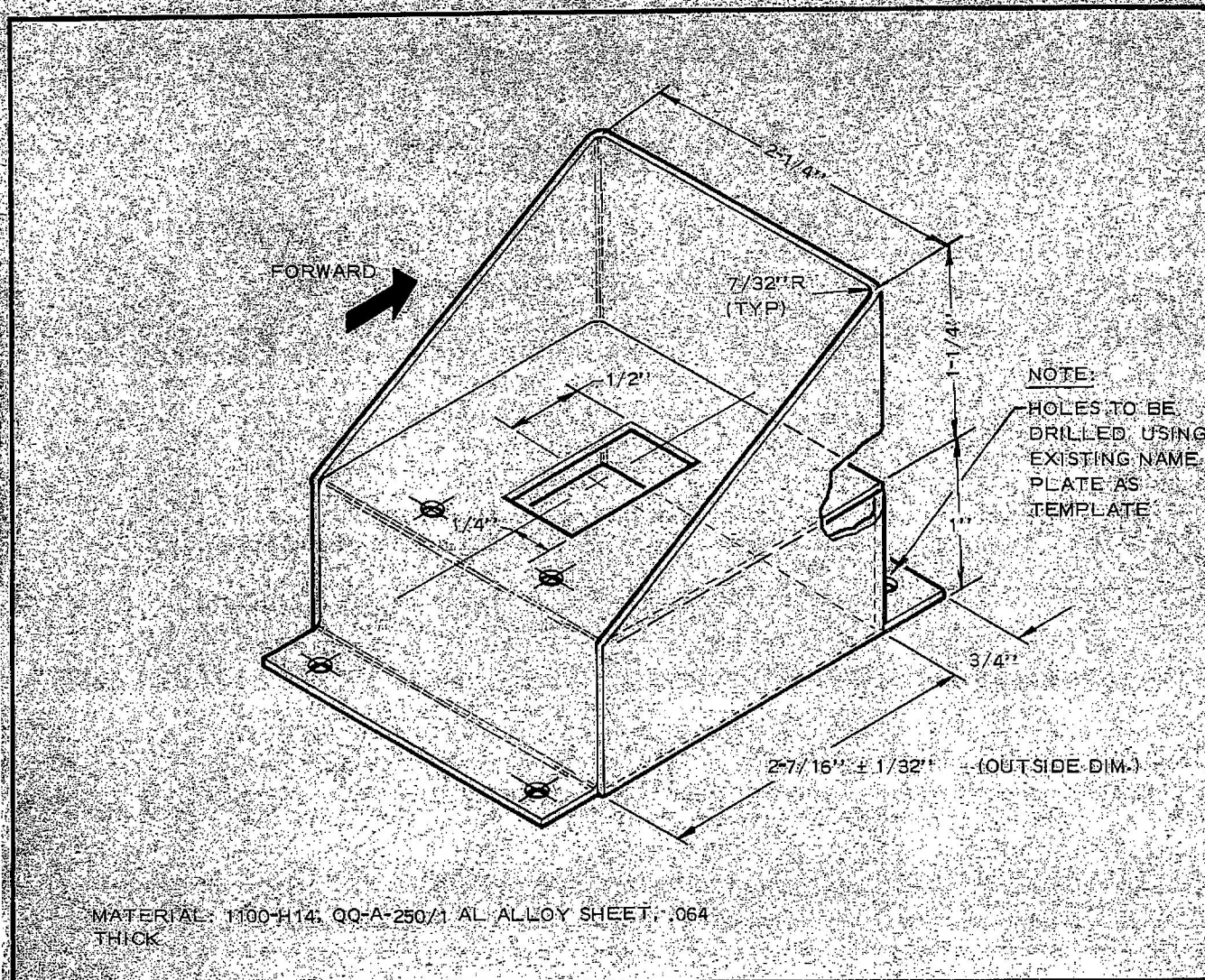


Figure 1 (Issue 2)

MODIFICATION DATA (Cont'd)

- (g) Install new circuit breakers Ref. 5925-00-144-0482 in brackets and fit assembly to cockpit floor as per Figure 2.
- (h) Reconnect generator circuit to new circuit breakers.
- (i) Reconnect hose assemblies Part 109644-022-5A to cockpit air valve assembly.
- (k) Replace belly panel.
- (m) Reconnect aircraft batteries.
- (n) Ground run aircraft to check generator circuit.

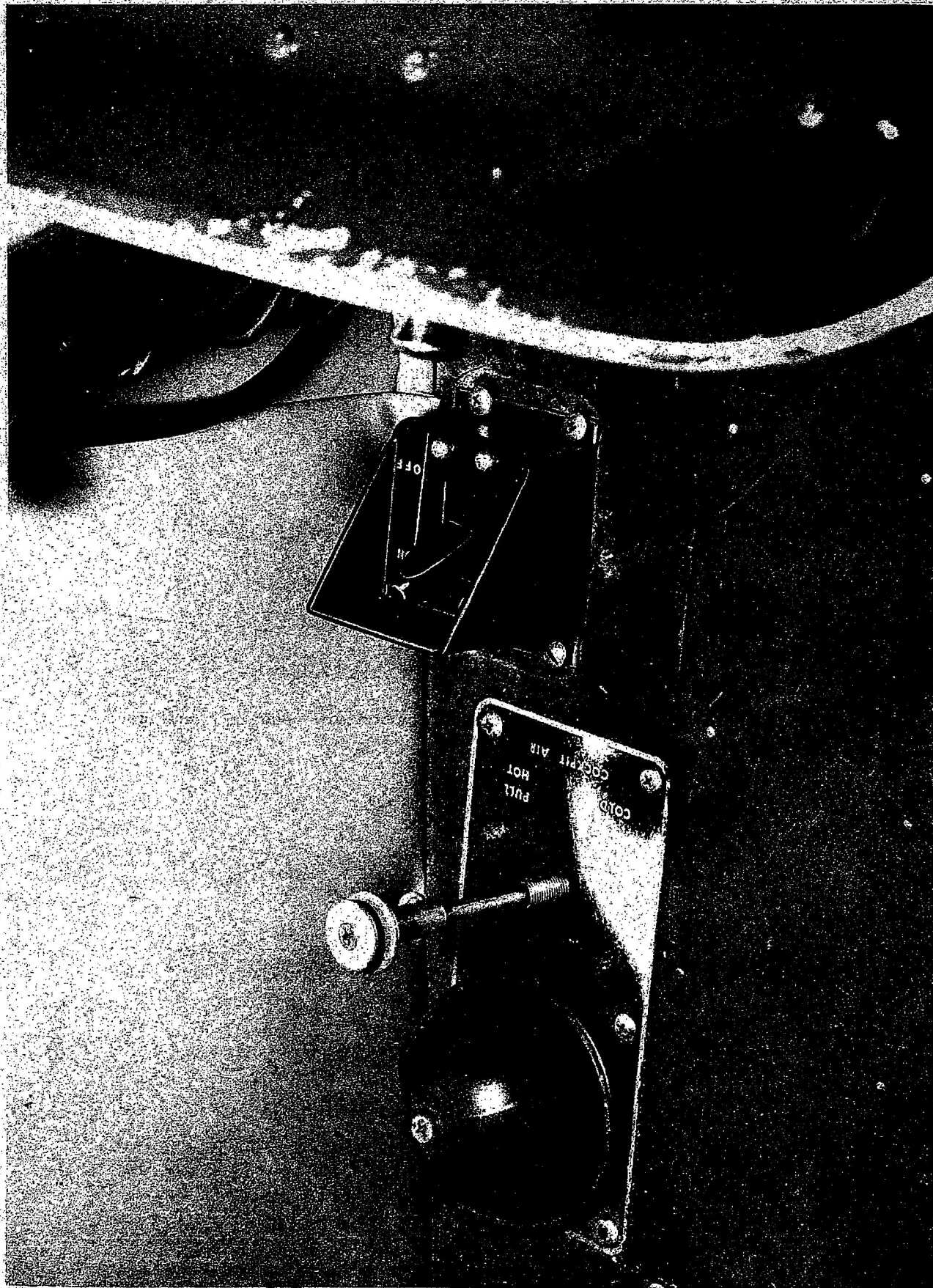


Figure 2

PARTS REQUIRED

3 The following parts are required per aircraft and are to be demanded "non-consumption" Code 1, Column 39, on E364W, refer to Cap 16 Chap 2, 4 Appendix B.

STOCK NO.	PART	DESCRIPTION	QTY.
5925-00-144-0482	D6364-2-100	Circuit breaker Bracket, (local manufacture as per Figure 1)	2 2

PARTS RENDERED SURPLUS OR OBSOLETE

4 The following parts are rendered surplus per aircraft and are to be disposed of in accordance with EO 00-5-6 (CAP 16, Vol 1, Chap 6, 4, 08).

(a) Circuit breakers and placards are to be disposed of as scrap.

STOCK NO.	PART	DESCRIPTION	QTY.	DISPOSAL CLASS
5925-00-109-1762	612357-10	Circuit breaker	2	Scrap
1560-21-816-5866	404-180167	Placard	2	Scrap

WEIGHT, LOADING AND BALANCE DATA

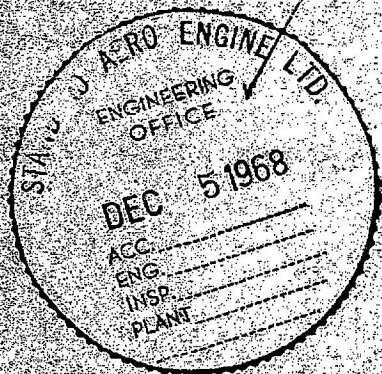
5 The weight and balance change to the aircraft as a result of this modification is negligible.

ADDITIONAL DATA

6 The following additional data applies:

(a) This modification originates as a result of STATS 318 7226/A94.

(b) It is estimated that incorporation of this modification will require 7 man-hours.



ISSUED ON AUTHORITY OF THE CHIEF OF THE DEFENCE STAFF

Prepared by:
MATCOM/DAM3-5-5