

LIST OF SPECIAL INSPECTIONS
AIRCRAFT GENERAL

(This EO replaces EO 05-1-5 dated 10 Jul 61)

TABLE OF CONTENTS

LATEST DATE	EO NO	TITLE
	05-1-5/1	(Rescinded)
	/2	(Rescinded)
	/3	(Rescinded)
	/4	(Rescinded)
	/5	(Replaced by EO 05-1-6A/3)
	/6	(Rescinded)
	/7	(Rescinded)
	/8	(Rescinded)
17 Sep 59	/9	Earphone Failure
12 Jul 60	/10	Microphone Cord
31 May 61	/11	Condition of Wheel Retaining Nuts
*27 Aug 63	/12	Microphone Jack

* Asterisks appearing opposite entries denote changes since last issue

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

SPECIAL INSPECTION

MICROPHONE JACK

EQUIPMENT AFFECTED:	Headset Cord 10EA/56726 and Helmet (Modified to EO 05-1-6A/13)
BY WHOM WORK WILL BE PERFORMED:	Operating Units
WHEN WORK WILL BE PERFORMED:	Immediately
RCAF FORM ENTRIES:	NA
INSPECTION OF SPARES IN STOCK:	As required
RETURNS:	NA

PURPOSE

1 To ensure that the female connector sockets of microphone jack JJ-055 have been assembled correctly.

INSPECTION DATA

2 The connector sockets of jack JJ-055 are of tubular construction with a flat pressure spring, and a contact leaf which engages the pin of the male connector through a cut-out section of the tubular socket. Proceed with inspection as follows:

- (a) Disassemble microphone jack and examine the two connector sockets.
- (b) If correctly assembled the pressure spring will be above the contact leaf. If found to be otherwise, remove the retaining screw, spring, and leaf. Re-assemble correctly.
- (c) Re-assemble microphone jack JJ-055.

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

Prepared by:
AMC/SAVO/T2

SPECIAL INSPECTION

CONDITION OF WHEEL RETAINING NUTS

EQUIPMENT AFFECTED:	Aircraft Generally
BY WHOM WORK WILL BE PERFORMED:	Operating Units, RDs and Contractors
WHEN WORK WILL BE PERFORMED:	On or before the next Periodic Check
RCAF FORM ENTRIES:	L14-1B, L14-5
INSPECTION OF SPARES IN STOCK:	Not applicable
RETURNS:	Not required

PURPOSE

1 Cases have been reported where the wheel retaining nuts have cracked. To prevent this, units are to inspect existing installations and reject all nuts that have peening or other marks brought about by tightening methods other than approved wheel retaining nut wrenches.

INSPECTION DATA

2 The wheel retaining nuts are to be inspected as follows:

- (a) Gain access to the wheel retaining nuts as outlined in the relevant -2 aircraft EO.
- (b) Inspect the Spec. AN7502 retaining nuts for signs of damage or burred corners particularly in the vicinity of the cotter pin slots.
- (c) Reject and replace any nuts in this category.

ADDITIONAL DATA

3 The following additional data will apply:

- (a) Units are to ensure that wheel retaining nuts are tightened with an approved type wrench.
- (b) Future procurement of these nuts will be to Spec. MS21025 which calls up a stronger steel and cotter pin hole location at hex corners only.

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

Prepared By:
AMC/SACO/ACA

SPECIAL INSPECTION

MICROPHONE CORD

EQUIPMENT AFFECTED: 6DA/54, 6DA/55 and 6DA/56 Oxygen Mask MS 22001

BY WHOM WORK WILL BE PERFORMED: Operating Units

WHEN WORK WILL BE PERFORMED: Next Inspection

RCAF FORM ENTRIES: Log Book

INSPECTION OF SPARES IN STOCK: As Applicable

PURPOSE

1 To prevent oxygen leak. Reports indicate that some microphone cords Ref. 10/29524 are received with the stay cord protruding too far beyond the outside rubber insulation, thus allowing the microphone cord to pull out of the cord channel in the mask.

INSPECTION DATA

2 The following is the sequence of inspection:-

- (a) Pull the microphone out of the mask.
- (b) Ensure that the distance between the anchor terminal at the end of the stay cord and outer rubber insulation of the microphone cord does not exceed 1/8". Also ensure that the anchor terminal is positively secured to the stay cord.
- (c) In the negative, proceed as follows:-
 - (1) Cut the stay cord 3/8" from the outer rubber insulation and saturate the end of the stay cord with varnish MIL-V-173A Ref. 33A/486.
 - (2) Crimp a new anchor terminal Ref. 5K/117 allow to dry.
 - (3) If the microphone leads exceed 1-1/2" cut and install new terminal.
- (d) Replace microphone into the mask.

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

Prepared By:-
AMC/STelO/Tel AE

SPECIAL INSPECTION
EARPHONE FAILURE

EQUIPMENT AFFECTED:	10EC/27819 Earphone, Campbell #4031 used in Aircrew Helmets
BY WHOM WORK WILL BE PERFORMED:	Units Telecom Personnel
WHEN WORK WILL BE PERFORMED:	Immediately
RCAF FORM ENTRIES:	NA
INSPECTION OF SPARES IN STOCK:	Yes
RETURNS:	NA

PURPOSE

1 Reports have been received of in-flight failures and erratic operation of headsets. Failures are caused by lack of pressure equalization. The manufacturer has provided an equalization vent located in the back of the earpiece consisting of a small rubber insert with a small hole through it. The failure is attributed to the DND Inspection Services stamp lacquer which has been applied to the back of the earpiece in such a manner as to seal the equalizing vent.

INSPECTION DATA

2 The following is the sequence of inspection:-

- (a) Inspect all earpieces, Ref. 10EC/27819, in use and in stock to establish the manufacturer.
- (b) Examine earpiece manufactured by Campbell Manufacturing Part #4031 for sealed equalizing vent.
- (c) Pierce the vent with a common pin if necessary.

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

Prepared By: -
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