

ROYAL CANADIAN AIR FORCE



LIST OF OVERHAUL MODIFICATIONS

SUPERSEDED

BY 2 Nov 66

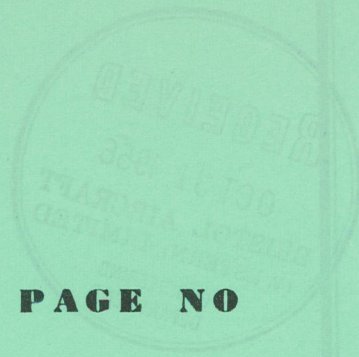
GYROSCOPIC FLIGHT INDICATORS

(This EO replaces EO 20-20-6B dated 8 Oct 54)

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

18 SEP 56

LIST OF RCAF REVISIONS



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LIST OF OVERHAUL MODIFICATIONS

21 FEB 1959

BY

CYCROSCOPIC FLIGHT INDICATORS

(This 20 replaced EO 50-20-6B dated 1 Oct 58)

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

19 SEP 58

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EO NUMBER	MOD. DATA	DESCRIPTION	OVERHAUL CLASS.	LEAFLET ISSUED
20-20-6B/1		Replacement of Air Filter Body Cover	NA	Yes
*	/2	(Rescinded)		
*	/3	(Rescinded)		

*Asterisks appearing opposite entries denote changes since last issue.

MODIFICATION

RESCINDE

AUTH *Dec last*
June 72

POINTER BAR BEARINGS

(This EO replaces EO 20-20B-6B/1 dated 13 Sept 51)

EQUIPMENT AFFECTED:	Sperry Type Artificial Horizons
BY WHOM WORK WILL BE PERFORMED:	Instrument Overhaul Contractors
WHEN WORK WILL BE PERFORMED:	On overhaul
RCAF FORM ENTRIES:	NA
MODIFICATION OF SPARES IN STOCK:	NA

PURPOSE

1 This modification provides a better seating of the horizon bar pivots in the bearings, resulting in smoother operation and longer service life of the pivots and bearings.

MODIFICATION DATA

2 Modification of Ref. 6A/648, artificial horizon indicators, and models with horizon bar pointer pivots and bearings of similar design is to be carried out in accordance with Figure 1. Extreme care must be exercised when drilling the two recesses for the bearings in the horizon bar to ensure alignment of the recesses. Certain artificial horizons of English manufacture will require the recess in the gimbal ring to be drilled .125 inch dia. 17/64 inch deep and the removable bearing support bracket drilled and tapped .164-32. Care must be exercised to maintain the alignment of the retapped hole in the support bracket and the recess in the gimbal ring. The instructions of this paragraph will apply for the horizon bar modification.

PARTS REQUIRED

3 The following parts are required for embodiment of this modification:-

RCAF REF	PART	DESCRIPTION	QUANTITY
506JA/1571	177919	Pointer Bearings	2
506JA/1540	185412	Horizon Bar Pivot	2
506JA/265	172646	Horizon Bar Pivot Holder	1
506JA/246	172645	Threaded Hr. Bar Pivot Holder	1
506JA/365		.164-32 Hex., S.S., Nut	1
506JA/288	172905	Pivot Holder Shims	As Req'd

MODIFICATION

POINTER BAR BEARINGS

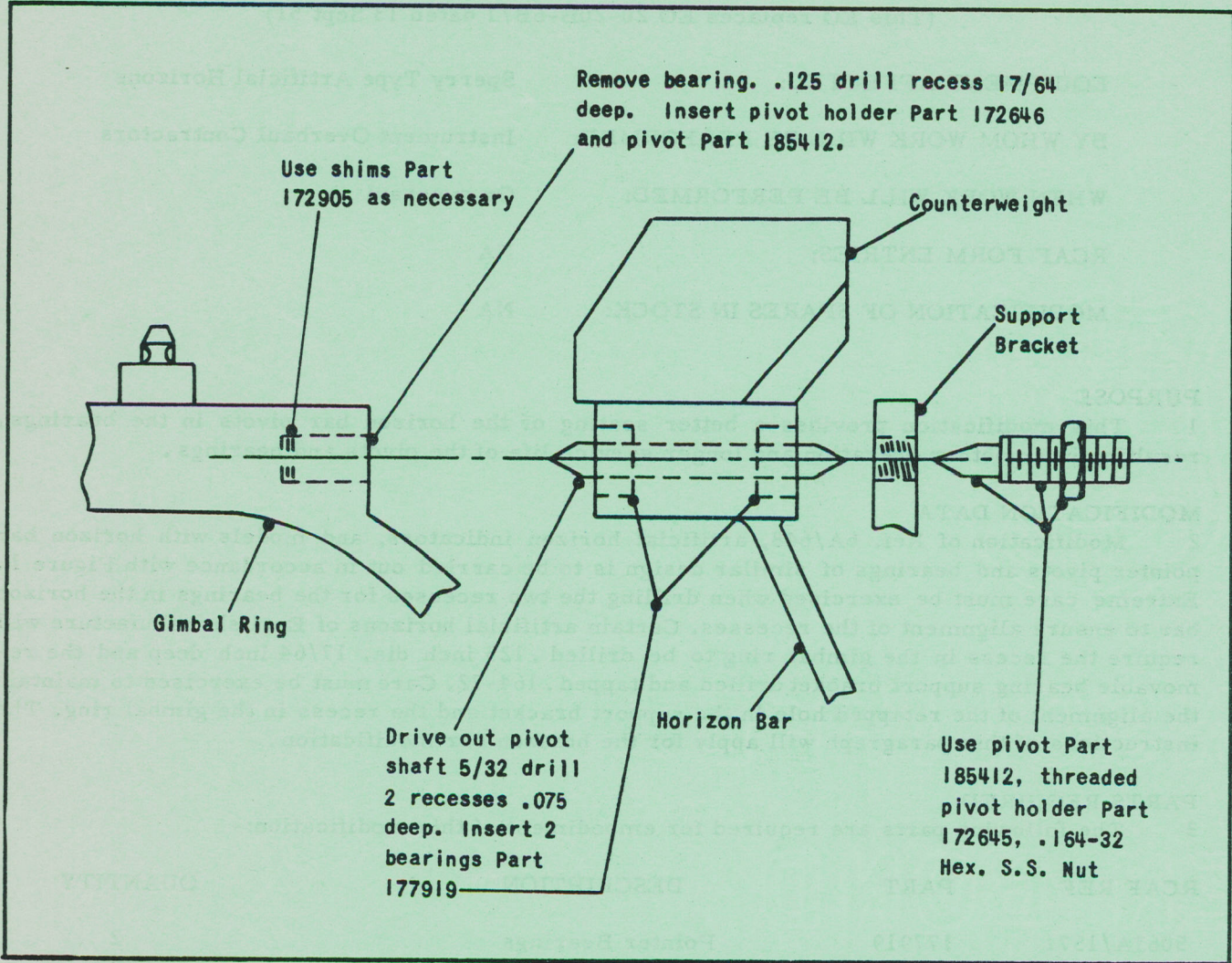


Figure 1

PARTS RENDERED SURPLUS OR OBSOLETE

4 The following parts are rendered surplus by embodiment of this modification and are to be disposed of in accordance with CAP 16, Vol. 1, Q13/2:-

RCAF REF	PART	DESCRIPTION	QUANTITY
506JA/109	166398	Horizon Bar Bearing Cup	1
506JA/108	166396	Pointer Bearings	2
506JA/21	120958	Pointer Axle	1
506JA/110	116397	Horizon Bar Bearing	1

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

Prepared By:
AMC/SACO/ACA

