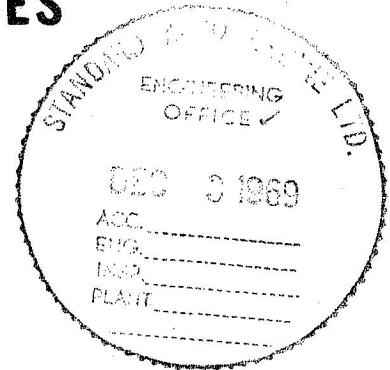


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EO 05-45B-7A

# CANADIAN FORCES



# MAINTENANCE SCHEDULE PERIODIC INSPECTIONS EXPEDITOR 3

**REVISION**  
NOTICE

LATEST REVISED PAGES SUPERSEDE  
THE SAME PAGES OF PREVIOUS DATE  
Insert revised pages into basic publication.  
Destroy superseded pages.

ISSUED ON AUTHORITY OF THE CHIEF OF THE DEFENCE STAFF

**30 SEP 64**

Revised 10 Oct 69



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## FOREWORD

This schedule has been prepared as a guide to ensure that defects are discovered and corrected before malfunctioning or failure occurs.

In order to arrange inspection requirements as nearly as possible according to the manner in which work will be divided and assigned, the requirements in each section of this schedule are divided into groups. A group title indicates either a functional system or a group of related components.

The schedule does not contain instructions for repair, adjustments or other means of rectifying defective conditions, nor does it contain detailed instructions for trouble shooting to find the cause of a malfunction. (EO 05-45B-2 and 10A-10A-2 or 10A-10AA-2) is to be consulted for details of HOW to carry out maintenance work which the inspection indicates is necessary.

Additional information on this schedule including "Instructions for Use" is contained in EO 00-15-10.

For information on the inspection cycle for this aircraft refer to EO 00-50-7 App. "A".

## INSTRUCTIONS

- 1 Before carrying out a Periodic Inspection, check the Minor Defect Record (Form L14-1A) and the Change of Serviceability and Rectification Record (Form L14-1B)
- 2 It is the responsibility of all personnel to report any unserviceable item or assembly and make the necessary entry in the Change of Serviceability and Rectification Record (Form L14-1B).
- 3 The name of all maintenance personnel WHEN DETAILED for work on an inspection are to be PRINTED on the Inspection Certificate, Certification that the inspection has been completed satisfactorily in accordance with the applicable maintenance schedule and under the regulations imposed by EO 00-50-7 will be indicated by the signatures of the NCO i/c Trade, WO i/c Inspection Crew and the Officer i/c Maintenance.
- 4 Each item after being inspected if found satisfactory, will be initialled in column A by the appropriate tradesman as proof of being inspected. In the case of an unserviceability and "X" will be placed in column A, and the item entered in the L14-1B record. Column B will be initialled AFTER the unserviceability has been entered. The initials in column B will signify that the inspection is complete for that inspection item and that all unserviceabilities have been entered in the L14-1B. All signatures and initials in this EO will be legible.
- 5 Inspection items which are in sub-sections, such as 2A, 3A, 4A and Shop Procedures, will be carried out either on the aircraft or shop concerned, as applicable. When the inspection is completed these sub-sections will be returned to the -7A in use.
- 6 A visual inspection includes checking for all types of wear, damage, corrosion, security, chafing, in fact for the complete physical well-being of the particular item in addition to cleanliness.
- 7 A functional inspection of an item includes the actual operation of an item through means of manual manipulation, bench test or test insitu by means of test rigs or actual engine run-up whichever is applicable to ensure as far as possible that the item or service in question operates in a serviceable manner.
- 8 Where A and B columns are marked NA, the item will not be inspected on that particular inspection.
- 9 The column "Accept" is to be used for acceptance inspections in accordance with EO 00-50-7.
- 10 Unless otherwise specified any lubrication required shall be in accordance with EO 05-45B-2. Refer to EO 45-1-2 for correct type of lubricant and to EO 45-1-4 for NATO or other equivalents.
- 11 During the inspection, panels, cowls, etc. are to be on the aircraft with all quick release pressure fasteners in the locked position or completely removed from the aircraft in accordance with EO 05-1-2Q.
- 12 Personnel are responsible for notifying the NCO i/c Trade immediately following the completion of an inspection requiring an independent check in accordance with EO 05-1-2J.
- 13 All wire locking and safety wiring is to be done in accordance with EO 05-1-2AQ.

## WORK AREA ABBREVIATIONS

WORK AREA	ABBREVIATIONS
Undercarriage	UC
Cockpit	CO
Fuselage	FU
Tail Unit	TU
Mainplanes	MP
General	GEN
Propeller	PR
Power Plant	PP
Antenna	ANT

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SECTION 1

PERIODIC INSPECTION

AIRFRAME TECHNICIAN

NOTE

Read and adhere to the instructions  
on pages i and ii of this schedule.









		INSPECTION DATA													
AIRFRAME		INSPECTION													
G R O U P	I T E M	P E R I O D I C													
		1	2	3	4	5	6	7	8	9	10	11	12		
A		A	B	A	B	A	B	A	B	A	B	A	B	A	B
UC	UNDERCARRIAGE														
	1	Main landing gear structure and attachments; visual; Lubricate.													
	Port														
	Stbd														
UC	2	Landing gear hinge bolts; for shearing.													
		<u>NOTE</u>													
		If bolts can be partially removed with ease, it may be safely assumed no shearing is occurring.													
	Port	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A
	Stbd	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A
UC	3	Landing gear slide tube, for peeling and distortion; visual. Lubricate.													
	Port														
	Stbd														

G R O U P		I T E M		INSPECTION DATA																							
				INSPECTION																							
				1		2		3		4		5		6		7		8		9		10		11		12	
Accept		A B		A B		A B		A B		A B		A B		A B		A B		A B		A B		A B		A B			
UNDERCARRIAGE (Cont'd)																											
UC	4	Landing gear retraction chain for proper measurement.																									
	Port	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A		
	Stbd	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A		
UC	5	Retraction chains, sprockets, and eyebolt adjusting locknuts; visual. Ensure nut, self-locking AN364-624C is used.																									
	Port																										
	Stbd																										
UC	6	Oleo drag legs; visual. Maximum operating pressure 50 psi (Ref. EO 05-45B-2).																									
	Port																										
	Stbd																										
UC	7	Main shock struts and oleo drag legs; fluid level, with main shock struts at 3/4" extension. Ref. EO 05-45B-2 Part 1, Section 3.																									
	Port	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A		
	Stbd	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A		



		INSPECTION DATA													
AIRFRAME		INSPECTION													
G R O U P	I T E M	P E R I O D I C													
		1	2	3	4	5	6	7	8	9	10	11	12		
	Accept	A	B	A	B	A	B	A	B	A	B	A	B	A	B
UC	UNDERCARRIAGE (Cont'd)														
	8	Main landing gear shock struts; visual and proper extension. Replace broken locking wire.													
	Port														
	Stbd														
UC	9	Landing gear torque shafts, universals, universal boots, and taper pins; visual. Looseness in hangers, worn bearings, noisy in operation, and security. Lubricate.													
		N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A
UC	10	Normal; and emergency landing gear retraction and lowering mechanism; visual and functional.													
		<div style="border: 2px dashed black; padding: 5px; display: inline-block;">CAUTION</div>													
		Prior to lowering undercarriage by gravity, ensure that undercarriage is not raised more than 1/2 of its travel. When jacking aircraft, weight of 200 lbs must be added to tail.													
		N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A



AIRFRAME		INSPECTION DATA															
		INSPECTION															
		PERIODIC		1	2	3	4	5	6	7	8	9	10	11	12		
G R O U P	I T E M	Accept		1	2	3	4	5	6	7	8	9	10	11	12		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B		
UC	UNDERCARRIAGE (Cont'd)																
	13	Strut cap and bolts; for looseness, tighten and relock as required.															
	Port	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
	Stbd	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
UC	14	Re-install main wheel assemblies; bleed brakes; functional.															
	Port	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
	Stbd	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A



G R O U P		INSPECTION DATA																							
		INSPECTION																							
		PERIODIC																							
I T E M		1		2		3		4		5		6		7		8		9		10		11		12	
A B		A B		A B		A B		A B		A B		A B		A B		A B		A B		A B		A B		A B	
UC		<p>UNDERCARRIAGE (Cont'd)</p> <p>Main wheels and brakes; visual and functional.</p> <p><u>NOTE</u></p> <p>Main wheel internal drive ring attachment screws to be torqued to 70 in-lb (refer EO 15-35BA-3; EO 15-45B/330886SG-2, EO 110-5-2 and EO 15-35-2).</p>																							
UC		<p>Undercarriage doors, hinges and retraction linkage visual. Lubricate.</p> <p><u>NOTE</u></p> <p>Disassemble swivel eye from swivel base, clean, lubricate and re-assemble. On re-assembly ensure rigging of landing gear doors are in accordance with applicable EO.</p>																							
UC		<p>Port</p> <p>Stdb</p>																							
UC		<p>Port</p> <p>Stbd</p>																							



AIRFRAME		INSPECTION DATA																							
		INSPECTION																							
		PERIODIC																							
G R O U P	I T E M	1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
COCKPIT (Cont'd)																									
CO	7	Elevator, rudder, and ailerons; for alignment with control column and rudder pedals in neutral.																							
CO	8	Heating and ventilating controls, outlets distributor boxes; exhaust air vent; visual and functional.																							
CO	9	Flaps and indicator; visual and functional.																							
CO	10	D E L E T E D																							
CO	11	Pilot's and co-pilot's brake controls, main and parking visual and functional.																							
CO	12	Pilot's relief tube; visual. Clean and disinfect.																							
CO	13	Undercarriage clutch pedal cover; visual.																							
CO	14	Control lock; visual. Proper stowage.																							





		INSPECTION DATA													
AIRFRAME		INSPECTION													
G R O U P	I T E M	PERIODIC													
		Accept	1	2	3	4	5	6	7	8	9	10	11	12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B
FUSELAGE															
FU	1	Skin, rivets and finish; visual.													
FU	2	Nose compartment and door; visual.													
FU	3	Nose fuel cell, fuel and vent lines; visual.													
FU	4	Main cabin entrance door; restraining device, hinges and locks; visual. Lubricate.													
FU	5	All windows, windshield, emergency exit, frames and security fasteners; (replace crazed windows) visual and functional.													
FU	6	Remove seats, seat cushions and curtains; if installed for Refinisher Technicians.													
		N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A
FU	7	Astrodome and defroster outlet; visual. Check defroster selector valve for operation.													

GROUP		INSPECTION DATA											
		INSPECTION											
		PERIODIC											
ITEM	AIRFRAME												
	1	2	3	4	5	6	7	8	9	10	11	12	
FUSELAGE FU 8	Accept	A	B	A	B	A	B	A	B	A	B	A	B
	(Cont'd)												
FU 9													
FU 10													
FU 11													
FU 12													

		INSPECTION DATA																							
AIRFRAME		INSPECTION																							
PERIODIC		INSPECTION																							
I T E M	G R O U P	1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
		Accept																							
		A B A B A B A B A B A B A B A B A B A B A B A B A B																							
		(Cont'd)																							
FU	13	Rudder trim tab cable control system; visual, functional, and tension. For temperature +15 degrees F and below; refer EO 05-45B-2.																							
		N: A N: A																							
FU	14	Short rudder cable system up to and including reduction pulleys; visual, functional and tension.																							
		N: A N: A																							
FU	15	Complete elevator control cable system; visual, functional and tension. Cables for fraying by flexing over entire length.																							
		N: A N: A																							
		NOTE																							
		If corrosion is found on a control cable where it runs on an AN210 type pulley, both the pulley and cable are to be changed.																							
FU	16	Elevator trim tab cable control system; visual, functional and tension.																							
		N: A N: A																							



G R O U P		INSPECTION DATA												
		INSPECTION												
		PERIODIC												
I T E M	Accept		1	2	3	4	5	6	7	8	9	10	11	12
	A	B	A	B	A	B	A	B	A	B	A	B	A	B
FUSELAGE	(Cont'd)													
FU 17	Landing gear clutch cable housing, particularly at threaded portion adjacent to clutch release lever and clutch pedal spring; visual.													
FU 18	Landing gear clutch release lever; cable; visual Lubricate release arm.		N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A
FU 19	Accessible cables, attachment brackets, pulleys and fairleads; visual and functional. Fairleads on co-pilot's rudder cable; for position beneath landing gear motor clutch.													
FU 20	Landing gear overload clutch; functional.		N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A
FU 21	Tail wheel retraction chain; visual, tension.													

G R O U P		INSPECTION DATA																							
		INSPECTION																							
		PERIODIC																							
I T E M		1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
FUSELAGE (Cont'd)																									
FU	22	Inspect undercarriage gear box housing, torque shaft gear and worn gear in accordance with EO 05-45B-2, Part 2, Section 6, Page 2-82, paragraph 13(c). N:A																							
FU	22A	Disconnect clutch cable housing at gear box. Flush interior by spraying with varsol cleaner in accordance with EO 05-45B-2. N:A																							
FU	22B	Remove fuselage landing gear mechanism as per EO 05-45B-2, Part 2, Section 6, paragraph 13(a) for a close, complete inspection and cleaning. Re-install as per EO 05-45B-2, Part 2, Section 6, paragraph 13(d). Carry out functional test. N:A																							
FU	23	Flap travel arm, screw shaft and adjusting bolts; visual. Lubricate. N:A																							
FU	24	Flap motor gear box, gears, flap drive gear shaft, taper pin holes, taper pins, and mounting bracket; visual and functional. N:A																							
FU	25	Fuselage flap actuating mechanism; bolt and taper pin holes, hand crank chains; visual. N:A																							
FU	25A	Gear box; for correct grease level. N:A																							

		INSPECTION DATA													
AIRFRAME		INSPECTION													
I T E M	G R O U P	PERIODIC													
		1	2	3	4	5	6	7	8	9	10	11	12		
	Accept	A	B	A	B	A	B	A	B	A	B	A	B	A	B
FUSELAGE (Cont'd)															
FU 26	Brake master cylinders lines, reservoir, vents, fluid level, and linkage between pedals and master cylinders; visual flexible lines; for routing, clamps and clips.														
	CAUTION														
	Ensure correct installation of co-pilot's master brake cylinder aft attaching bolt, to provide necessary clearance.														





AIRFRAME		INSPECTION DATA													
G R O U P	I T E M	INSPECTION													
		PERIODIC		1	2	3	4	5	6	7	8	9	10	11	12
	Accept	A	B	A	B	A	B	A	B	A	B	A	B	A	B
TAIL UNIT															
TU	1	Tailplane and fins; visual.													
TU	2	De-icer; visual and serviced as per EO 05-45B-2AA. Piping; for loose clamps on collapsed tubing.													
		<u>NOTE</u>													
		Ensure there is adequate clearance between rudder cables and tail de-icer tube that portion which runs from bottom of fuselage to upper toe connection and finally to de-icer boot connections.													
TU	3	Rudders, hinges, lead balances, trim tabs, rudder tab drive mechanism slide tube; visual and functional. Lubricate. With an assistant operating the rudder tab control from cockpit through full range of travel, ensure that no evidence of binding exists. Felt strips in rudder horn boxes; for lubrication. Check rudder hinge bolts Ref. EO 05-45B-2.													
TU	3A	Inspect the rudder control link assemblies, spring and rubber guide bushings for serviceability, free from dirt and grease, and freedom of movement, visual and functional.													
TU	4	Rudder trim actuator mechanism for excessive backlash and rudder tab pivot set screw and sprocket; visual.													
TU	5	Elevator, hinges trim tabs, and tab drive mechanism slide tube; visual and functional. Lubricate. With an assistant operating the elevator tab control from the cockpit through the full range of travel, ensure that no evidence of binding exists. Check elevator hinge bolts Ref. EO 05-45B-2.													

GROUP		INSPECTION DATA																									
		AIRFRAME																									
		PERIODIC INSPECTION																									
ITEM	UNIT	1		2		3		4		5		6		7		8		9		10		11		12			
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B		
	TAIL UNIT (Cont'd)																										
TU	6	Elevator tab actuator shaft, 90 degree drive, universals and push-pull rods, taper pins; visual and functional.																									
		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A	
TU	7	Horizontal stabilizer internal structure; visual, ensure no rib damage.																									
		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A	
TU	8	Rudder front and rear cross cables for condition by flexing throughout their entire length.																									
		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A	
TU	9	Interior of tail unit, (by removal of tail cone) fitting and structure; visual. Re-install.																									
		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A	
TU	10	Aft end of fuselage and tail cone; visual. Felt strips of tail cowling; for lubrication.																									
		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A	
TU	11	Elevator bell crank lever and bearing, support brackets; visual and functional.																									
		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A		N:A	

G R O U P		INSPECTION DATA																							
		INSPECTION																							
		PERIODIC																							
I T E M	A C C E P T	1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
TU	TAIL UNIT (Cont'd)																								
TU	12																								
TU	13																								
TU	14																								
TU	15																								
TU	16																								
TU	17																								



G R O U P		INSPECTION DATA																													
		INSPECTION																													
		AIRFRAME		PERIODIC		1		2		3		4		5		6		7		8		9		10		11		12			
I T E M		Accept		A		B		A		B		A		B		A		B		A		B		A		B		A		B	
TU	18	TAIL UNIT (Cont'd)		Tail wheel slide tube; visual. undercarriage fully extended.		N: A		N: A		Lubricate the portion normally hidden by slide assembly when		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A			
TU	19	Tail wheel retract cables; and chain; visual; functional and tension. Lubricate.		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
TU	20	Shock strut; for fluid level and fluid leakage.		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
TU	21	Remove tail wheel assembly and forward to component shop.		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
TU	22	Tail fork assembly; visual by disassembly from housing. Lubricate and re-assemble.		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
TU	23	Axle tail wheel truss, by removal; visual. Re-install.		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
TU	24	Re-install tail wheel assembly.		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	

G R O U P		INSPECTION DATA											
		AIRFRAME											
		INSPECTION											
I T E M		PERIODIC											
Accept		1	2	3	4	5	6	7	8	9	10	11	12
A B		A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B	A B
MAINPLANES													
MP	1	Outer wing, wing tip and center section surfaces, fillets, fairings, mooring lugs and drain holes; visual.											
	Port												
	Stbd												
MP	2	Aileron cable and bellcrank control system; visual and functional.											
	Port												
	Stbd												
MP	3	Aileron control system; visual, functional and tension cables for fraying by flexing over entire length.											
	Port	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A
	Stbd												
MP	4	Aileron trim tab control cable system; visual and functional.											
	Port												
	Stbd												

NOTE

Ensure non-magnetic screws and anchor nuts are used on RH tip.

		INSPECTION DATA															
AIRFRAME		INSPECTION															
PERIODIC																	
I T E M	G R O U P	Accept		1	2	3	4	5	6	7	8	9	10	11	12		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
	MAIN PLANES (Cont'd)																
	MP	Ailerons, aileron tab, hinges; visual and functional.															
		<u>NOTE</u>															
		Inspect for loose lead counterweights in ailerons by moving ailerons sharply up and down by hand.															
	Port																
	Stbd																
	MP	Aileron tab actuator mounting, 90 degree drive and push-pull rod; visual.															
	MP	Aileron and aileron trim tab control cables; visual, functional and tension															
	Port	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
	Stbd	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
	MP	Flaps, hinges, hinge bolts and bearings; visual and functional. Check flap hinge bolts Ref. EO 05-45B-2.															
	Port																
	Stbd																

G R O U P		I T E M		INSPECTION DATA													
				AIRFRAME													
				PERIODIC INSPECTION													
		Accept		1	2	3	4	5	6	7	8	9	10	11	12		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
MP	9	MAINPLANES (Cont'd)		Flap actuating mechanism including actuating screw and bearings; visual. Lubricate. Lubricate the screw threads of the screw jack assembly by applying grease sparingly through the grease filling point (hole) located on the inner sleeve of the screw jack housing assembly.  NOTE  The grease filling point which is concealed by the outer actuator housing, only becomes visible with the actuating screw jack in the fully extended position.													
MP	10	Flap interior, visual. (Not applicable to metal covered flaps.)		N	A	N	A	N	A	N	A	N	A	N	A	N	A
	Port	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
	Stbd	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
MP	11	Flap outboard gear boxes; visual. Lubricate.		N	A	N	A	N	A	N	A	N	A	N	A	N	A
	Port	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
	Stbd	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A

G R O U P		INSPECTION DATA															
		AIRFRAME		INSPECTION													
		PERIODIC															
I T E M		Accept		1	2	3	4	5	6	7	8	9	10	11	12		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
MAINPLANES:(Cont'd)																	
MP	12	Nacelle and center section truss structure members and attachment fittings; visual. Weld at junction of tubes 7, 9, 11, 12, 25, 30 and 37 degreased and thoroughly inspected with a strong light and magnifying glass, while aircraft is on wheels in normal tail down position. Center section truss No. 12 tube for chafing caused by rubber dust boot cover (rectify by replacement of clamp).															
	Port	-															
	Stbd	-															
MP	13	DELETED															
	Port	-															
	Stbd	-															
MP	14	Landing gear actuating mechanism, for play, indicating elongation of bolt and taper pin holes, taper pins; visual.															
	Port	-															
	Stbd	-															

		INSPECTION DATA											
G R O U P	I T E M	INSPECTION											
		AIRFRAME											
		PERIODIC											
Accept		1	2	3	4	5	6	7	8	9	10	11	12
		A	B	A	B	A	B	A	B	A	B	A	B
MAINPLANES (Cont'd)													
MP 15 Heater ducting, and defroster flexible heater hose along its entire length; defroster outlets; visual. Particularly for chafing between the flexible heater hose assembly and all rigid tube assemblies													
Port													
Stbd													



G R O U P		INSPECTION DATA														
		AIRFRAME		INSPECTION												
		PERIODIC		1	2	3	4	5	6	7	8	9	10	11	12	
I T E M		Accept	A	B	A	B	A	B	A	B	A	B	A	B	A	B
MAINPLANES (Cont'd)																
MP	16	Mainplane interior structures rear spar cutout for aileron rod; visual.														
	Port	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A
	Stbd	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A
MP	17	DELETED														
MP	18	Rubber strips, under nacelle nose outboard fillets and wing skin where fillet contacts; visual.														
	Port															
	Stbd															
MP	19	Wing fuel tanks in sump area vent and overflow lines where accessible; visual.														
	Port															
	Stbd															



G R O U P		INSPECTION DATA													
		AIRFRAME													
		PERIODIC INSPECTION													
M E M		Accept		1	2	3	4	5	6	7	8	9	10	11	12
		A	B	A	B	A	B	A	B	A	B	A	B	A	B
MAIN PLANES (Cont d)															
MP	20	Fuel lines from wing tanks to selector valve; visual. Particular attention to corrosion of the underside of the fuel and anti-icer lines below the battery compartment. (Remove battery tray for this inspection).													
	Port														
	Stbd														
MP	21	Remove fuel tanks. Covers, fuel tanks, strips, felt pads, fuel vent lines, clamps and fuel tank bays; (replace sump drain hose); visual. Re-install fuel tanks.													
	Port	NOTE													
	Stbd	Fuel tank covers and gap strip screws to be dipped in rubber cement prior to installation. Screws are to be fully tightened then backed off 1/4 turn.													
	Port	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A
	Stbd	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A
MP	22	De-icer boots, pipe connections; visual and service as per EO 05-1-2AA.													
	Port														
	Stbd														



		INSPECTION DATA													
G R O U P	I T E M	INSPECTION													
		PERIODIC													
		Accept	1	2	3	4	5	6	7	8	9	10	11	12	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
	MAINPLANES (Cont'd)														
MP	23 Port Stbd														
		De-icer; and anti-icer lines to engine nacelles; visual.													
MP	24	Disassemble de-icer pressure line oil separators, one per engine and one in port wheel well, inspect filter and pressure relief valve; visual and functional. Re-assemble.													
			N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A
MP	25	De-icer distributor valve; and pipe connections; visual. Selector arm; for unrestricted and full travel.													
			N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A
MP	26	De-icer system; functional.													
			N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A	N: A



I T E M G R O U P		INSPECTION DATA														
		INSPECTION														
		PERIODIC		1	2	3	4	5	6	7	8	9	10	11	12	
GENERAL		Accept	A	B	A	B	A	B	A	B	A	B	A	B	A	B
GEN 1			Clean aircraft inside and out. Clean windows and windshield.													
GEN 2			Inspection panels, hinge wires, plates, doors and fasteners; visual and functional.													
GEN 3			D E L E T E D													
GEN 4			Area under pilot's floor visual.													
GEN 5			Pilots, co-pilots, and passenger chairs, visual and functional.													
			<p style="text-align: center;"><u>NOTE</u></p> Repairs to upholstery, curtains, cushions and chairs to be carried out by unit designated personnel.													



SECTION 1

PERIODIC INSPECTION

AIRFRAME TECHNICIAN

SHOP PROCEDURES

NOTE

Read and adhere to the instructions  
on pages i and ii of this schedule.









GROUP		ITEM		AIRFRAME												INSPECTION DATA												SHOP PROCEDURES											
				PERIODIC												INSPECTION																							
				Accept		1		2		3		4		5		6		7		8		9		10		11		12											
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B														
UNDERCARRIAGE																																							
UC 1																																							
Port				N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A											
Stbd				N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A											
UC 2																																							
Port				N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A											
Stbd				N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A											
UC 3																																							
Port				N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A											
Stbd				N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A											



GROUP		INSPECTION DATA										SHOP PROCEDURES															
		AIRFRAME		INSPECTION																							
		PERIODIC		1		2		3		4		5		6		7		8		9		10		11		12	
ITEM		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B		
UNDERCARRIAGE (Cont'd)																											
UC	4	Inspect main wheel tires, and tubes; visual. Ref. EO 110-5-2.		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
	Port			N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
	Stbd			N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
UC	5	Install main wheel tires and tubes. Inflate to correct pressure. Renew creep marks.		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
	Port			N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
	Stbd			N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
UC	6	Re-assemble wheels, axles and bearings.		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
	Port			N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	
	Stbd			N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A		N: A	





SECTION I

PERIODIC INSPECTION

AIRFRAME (REFINISHER)

NOTE

Read and adhere to the instructions  
on pages i and ii of this schedule.









REF TECH		INSPECTION DATA												Shop Procedures				
		CHECK																
		1	2	3	4	5	6	7	8	9	10	11	12					
G R O U P	I T E M	Accept																
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A
Fuselage	FU 1		External paint condition and lettering, visual.															
FU	2		All external stencils, emergency and rescue markings, roundels, and nose comp, fuel cap witness mark; visual.															
FU	3		In conjunction with section 5, antenna 2 and 3, paint condition of antenna masts, visual.															
FU	4		Condition and "Positive Lock" witness position of Dzus fastener markings on all doors and panels; visual and functional.															
COCKPIT & CABIN																		
CO	1		In conjunction with Section 1 CO 19, remove paint six inches in each direction from the junction of the vertical and diagonal tubes of the LH and RH elevator control column assemblies. Refinish after dye penetrant check.															
CO	2		Paint condition and stencils, instrument panel, pedestal, controls, bulkhead, floor, seats; visual.															
CO	3		Paint condition, fuel selector plates and handles; visual (Refer EO 05-45B-6A/188)															

G R O U P	I T E M	INSPECTION DATA												Shop Procedures			
		REF TECH		CHECK													
		1	2	3	4	5	6	7	8	9	10	11	12	A	B		
COCKPIT & CABIN (Cont'd)		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
CO 4	Emergency control markings; visual.																
CO 5	In conjunction with Section 1, FU 6, clean seat cushions and curtains if installed.	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
CO 6	In conjunction with Section 1, FU 11, inspect finish condition: interior of fuselage structure below center aisle floor boards; check for foreign objects; visual.	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
CO 7	In conjunction with Section 1, FU 30, remove upper RH upholstery for telecom; re-install.	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
CO 8	Interior of aircraft for condition of seats and seat covers. If applicable, inspect floor rugs, drapes and curtains, clean and repair as required. Check condition of upholstery.																
CO 9	Paint condition stencils and upholstery - lavatory compartments; visual.																
CO 10	All interior emergency and escape markings; visual.																



INSPECTION DATA

INSTRUMENT

G R O U P	I T E M	INSPECTION															
		PERIODIC						INSPECTION									
		Accept		1	2	3	4	5	6	7	8	9	10	11	12		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B

COCKPIT (Cont'd)

CO 39 (Cont'd)

- (n) Manifold pressure indicator.
- (j) Suction gauge; adjust.
- (k) Flap and elevator trim indicators.
- (m) Electrical gyro horizon indicator (HS)
- (n) Electrical turn and bank indicator.
- (p) Air driven directional indicator and artificial horizon indicator.
- (q) Air driven turn and bank indicator.

INSTRUMENT INSPECTION DATA

G R O U P	I T E M	INSPECTION													
		PERIODIC													
		Accept	1	2	3	4	5	6	7	8	9	10	11	12	
COCKPIT (Cont'd)		A	B	A	B	A	B	A	B	A	B	A	B	A	B
CO	36	Remove control valve in vacuum line of turn and slip indicator; clean; re-assemble and re-install.													
		N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
CO	37	Remove vacuum system check valve; clean and re-assemble; re-install.													
		N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
CO	38	Mounting screws and pipe connections to all instruments; visual.													
CO	39	The following instruments are to be checked for correct operation during post-inspection RUN-UP.													
		(a)	(b)	(c)	(d)	(e)	(f)	(g)							
		Oil pressure gauges.	Oil temperature indicators.	Cylinder head temperature indicators.	Fuel pressure indicators.	Fuel quantity indicator.	Carburetor temperature indicators.	Tachometer indicator.							







INSPECTION DATA

INSTRUMENT

INSPECTION

PERIODIC

GROUP

ITEM

Accept

1 2 3 4 5 6 7 8 9 10 11 12

A B A B A B A B A B A B A B A B

COCKPIT (Cont'd)

CO

21

Remove indicator artificial horizon (air driven) calibrate; re-install.

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

CO

22

Remove indicator directional gyro: (air driven); calibrate; re-install.

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

CO

23

Remove CL2 master indicator; calibrate; re-install. (Where applicable).

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

CO

24

Remove gyropsyn compass amplifier; calibrate; re-install.

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

CO

25

Remove gyropsyn compass repeater (if fitted); calibrate; re-install.

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

N: A

DELETED

INSPECTION DATA

G R O U P	I T E M	INSPECTION																								
		PERIODIC																								
		Accept		1		2		3		4		5		6		7		8		9		10		11		12
A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
COCKPIT (Cont'd)																										
CO	16	Remove Rate of climb indicators, calibrate and re-install.																								
		N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
CO	17	Remove manifold pressure gauge; calibrate; re-install.																								
		N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
CO	18	Remove suction gauge; calibrate; re-install.																								
		N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
CO	19	Remove de-icer gauge; calibrate; re-install.																								
		N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
CO	20	Remove indicator turn and slip (air driven); calibrate; re-install.																								
		N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A

INSPECTION DATA

G R O U P	I T E M	INSPECTION													
		PERIODIC													
		Accept		1	2	3	4	5	6	7	8	9	10	11	12
		A	B	A	B	A	B	A	B	A	B	A	B	A	B
CO	9	DELETED													
CO	10	Remove and renew as necessary the cartridge main airline filter; filter mounting bracket for cracks.													
CO	11	Pilot static lines to airspeed indicator, altimeter, rate of climb and air mileage unit if fitted) disconnecting at instrument and blowing out with dry air, ensuring static line is clear of moisture, from cockpit to static vents. Reconnect pipe line and test system; for leaks.													
CO	12	Instrument electrical connections and wiring; for chafing and damage where accessible.													
CO	13	Clean out manifold pressure gauge lines by disconnecting at instrument end and blowing back to engine.													
CO	14	Remove altimeters; calibrate, re-install.													
CO	15	Remove airspeed indicators; calibrate; re-install.													



INSTRUMENT

INSPECTION DATA

PERIODIC

INSPECTION

GROUP	ITEM	PERIODIC INSPECTION																									
		Accept		1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
COCKPIT	1	All instruments to be checked for correct operation during pre-inspection run-up.																									
CO	2	Instrument panel and shockmounts; for security and deterioration of shockmounts.																									
CO	3	Standby compass; for security of mounting, bubbles, carry out pivot friction test.																									
CO	4	Vacuum system hoses and clamps, instrument lines; for security and deterioration.																									
CO	5	Anti-icing tank contents gauge; for damage and security.																									
CO	6	Gyrosyn compass system for correct operation and components for security. (Ensure repeaters are synchronized).																									
CO	7	DELETED																									
CO	8	DELETED																									

Periodic Inspection	Accept	7	8	9	10	11	12
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							
Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.							
NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

Starboard \_\_\_\_\_  
 Port \_\_\_\_\_

INSPECTION CERTIFICATE  
 INSTRUMENT

Aircraft Number \_\_\_\_\_  
 Engine Type \_\_\_\_\_  
 Engine Number \_\_\_\_\_

Periodic Inspection	Accept	1	2	3	4	5	6
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							
Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.							
NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

Aircraft Number \_\_\_\_\_  
 Engine Type \_\_\_\_\_  
 Engine Number \_\_\_\_\_  
 Port \_\_\_\_\_  
 Starboard \_\_\_\_\_

INSPECTION CERTIFICATE  
 INSTRUMENT





Read and adhere to the instructions on pages i and ii of this schedule.

NOTE

INSTRUMENT TECHNICIAN

PERIODIC INSPECTION

SECTION 3











		AERO ENGINE																	
		INSPECTION DATA																	
G R O U P	I T E M	PERIODIC INSPECTION																	
		Accept		1	2	3	4	5	6	7	8	9	10	11	12				
		A	B	A	B	A	B	A	B	A	B	A	B	A	B				
POWER PLANT (Cont'd)																			
PP 34	Centre section firewall, cracks, loose rivets, rubber sealing strips; visual.	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
PP 35	Magneto (25 degree BTDC). Magneto internal timing and synchronization. (Ref: EO 10A-10AA-2).	<p style="text-align: center;"><b>CAUTION</b></p> <p style="text-align: center;">This check to be carried out as one operation since any change in breaker point adjustment affects magneto to internal timing as well as timing of magneto to the engine.</p>																	
PP 36	Breaker assembly; visual. Lubricate cam follower as required. (Ref: EO 15-5ADB-2).	<p style="text-align: center;"><b>CAUTION</b></p> <p style="text-align: center;">Ensure no oil reaches contact breaker points.</p>																	
		N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A





G R O U P		I T E M		AERO ENGINE											
				INSPECTION DATA											
				PERIODIC						INSPECTION					
Accept		1	2	3	4	5	6	7	8	9	10	11	12		
A	B	A	B	A	B	A	B	A	B	A	B	A	B		
POWER PLANT (Cont'd)															
PP	26														
Remove exhaust rocker box cover on #3 and #8 cylinders, check for worn valve guides indicated by lack of lubrication, excessive sludge and dryness in area of exhaust valve guides. When above indications are evident, the faulty cylinder is to be replaced using a cylinder kit.															
<u>NOTE</u>															
Check valve clearance on #3 and #8 cylinders. If faulty remove all rocker box covers and check valve clearance.															
PP	27														
Crankcase vent line installation ensuring line protrudes no further than 3/8 to 1/2 inch beyond the wrapper sheet grommet and bevel is facing aft. Ref. EO 05-45B-6A/1.															
PP	28														
Remove spark plugs and replace with new or reconditioned set.															
				N/A											
				N/A											
				N/A											
PP	29														
Remove bottom section of cold air intakes, and inspect inter-cylinder drain lines #5 and #6 cylinders; visual.															

AERO ENGINE

INSPECTION DATA

G R O U P	I T E M	PERIODIC INSPECTION																	
		Accept		1	2	3	4	5	6	7	8	9	10	11	12				
		A	B	A	B	A	B	A	B	A	B	A	B	A	B				
POWER PLANT:	(Cont'd):																		
PP	20	Carburettor air intake shutter and spindle bearings; visual and functional.																	
PP	21	Fuel and oil system piping forward to firewall; visual.																	
PP	22	Fuel filter for cleanliness. Condition and wire locking when re-assembled.																	
		<div style="border: 1px dashed black; padding: 5px; display: inline-block;">CAUTION</div> Do not use rag for cleaning.																	
PP	23	Priming system pipe lines; visual.																	
PP	24	Drain pipe of fuel pump; visual.																	
PP	25	Oil dilution solenoid valve and piping; visual.																	

AERO ENGINE

INSPECTION DATA

PERIODIC

INSPECTION

G R O U P	I T E M	PERIODIC INSPECTION																									
		Accept		1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B

POWER PLANT (Cont'd)

PP 19 Carburettor hot and cold air intake system visual.



AERO ENGINE

INSPECTION DATA

PERIODIC

INSPECTION

G R O U P	I T E M	INSPECTION													
		Accept		1	2	3	4	5	6	7	8	9	10	11	12
		A	B	A	B	A	B	A	B	A	B	A	B	A	B
POWER PLANT (Cont'd)															
PP 13	HT harness; visual.														
PP 14	HT and LT cables; visual.														
PP 14A	In conjunction with Elect Tech; remove generator (for bench check). Re-install.														
PP 15	Following auxiliaries and connections; visual. Electric generator vacuum pump, fuel pump, propeller governor, magneto drive seals, feathering pump, hydromatic adapter and engine speed generator.														
PP 16	Fuel pump for fuel leakage. If leakage evident, all 3/16 bolts or screws to be torqued 20-30 in. lb. and all 1/4 bolts or screws be torqued to 50-70 in. lb. Bolts or screws; for safety wiring.														
PP 17	Engine control system at power plant; visual and functional. Lubricate.														
PP 18	Carburetor for fuel; leakage at plugs and parting surfaces of body castings. Parting surface screws for tightness.														

AERO ENGINE INSPECTION DATA

G R O U P	I T E M	PERIODIC INSPECTION																		
		Accept		1	2	3	4	5	6	7	8	9	10	11	12					
		A	B	A	B	A	B	A	B	A	B	A	B	A	B					
POWER PLANT (Cont'd):																				
PP 6		Packing nuts on push rod cover tubes; visual.																		
		<div style="border: 1px solid black; padding: 5px; display: inline-block;">CAUTION</div> The nuts must not be overtightened.																		
PP 7		Oil pipes between rocker boxes, rubber connecting hoses; visual.																		
PP 8		Inter-cylinder cooling baffles; visual.																		
PP 9		Cowling support brackets; visual.																		
PP 10		Induction pipes and connections; visual.																		
PP 11		Exhaust system intensifier tube, and heater control relay valve; visual and functional. Ensure all clamps are secure. NOTE do not overtighten.																		
PP 12		Magneto and magneto air vents; visual.																		

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AERO ENGINE

INSPECTION DATA

PERIODIC

INSPECTION

G R O U P	I T E M	PERIODIC INSPECTION															
		Accept	1	2	3	4	5	6	7	8	9	10	11	12			
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B

POWER PLANT:

PP 1 Oil pressure filter; for cleanliness, condition and wire locking when re-assembled.

Do not use rag for cleaning.

**CAUTION**

PP 2 Drain oil sump; check for metal contamination. Replace and safety wire sump plug.

PP 3 Engine mount, shockmounts, and all mounting bolts; visual.

PP 4 Cylinders; nose section crankcase and oil sump; visual. Crankcase through bolt washers; for cracks. (Ref. EO 10A-10AA-2, Part 6, Section 3, page 104, paragraph 109).

NOTE

Check cylinder pressure (Ref. EO 10A-1-2Q). On new engine installations when the current Appendix "A" to EO 10A-1-2Q is with the L14-7 Log set the cylinder check may be waived.

PP 5 Cylinder hold-down studs, nuts and cylinder flanges; visual.

Section 2A

EO 05-45B-7A

AERO ENGINE INSPECTION DATA STARBOARD

G R O U P	I T E M	PERIODIC INSPECTION																									
		Accept		1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
PR	7	Governor controls; visual and functional. Lubricate.																									
PR	8	Remove the dome assembly and check the propeller retaining nut for tightness. Examine the exposed hub components and distributor valve; for galling and damage. Partially disassemble the dome by removing the stop rings and dome shell from the cams and thoroughly clean and flush all sludge. Do not dismantle the piston and cams. Lubricate all parts thoroughly with engine lubricating oil on assembly. Check the dome shell attaching screws for distortion and stretch.																									
PR	9	Remove the head of the governor unit and examine for sludge and corrosion; lubricate speeder rack bushing and spring.																									
		Corrosion to be removed with crocus cloth.																									
PR	10	Propeller control cable tension adjusting bolt at firewall visual.																									

NOTE



AERO ENGINE

INSPECTION DATA

STARBOARD

PERIODIC

INSPECTION

G R O U P	I T E M	PERIODIC											
		Accept		1	2	3	4	5	6	7	8	9	10

A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

PROPELLER

PR 1 Prior to installation the blade torque shall be checked. If blade torque is satisfactory, freeing of the blade packing will not be necessary, should freeing be required, care should be exercised to prevent damage to the felloe strip (Ref. EO 15-30AB-6B/L). The rear cone is to be wiped free of grease and oil and installed dry.

NOTE

This item applicable on propeller installation only.

PR 2 Propeller governor and feathering; pump lines and connections; visual.

PR 3 Propeller blades; for track and condition.

PR 4 Propeller; visual. Lightly lubricate with engine oil.

PR 5 Anti-icer slinger ring, nozzles and feed lines; visual.

PR 6 Propeller anti-icer system; functional. Rheostat control adjustment to be carried out in conjunction with: Electrical Technician.

Periodic Inspection	Accept	7	8	9	10	11	12
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							
Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.							
NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

Aircraft Number  
 Engine Type  
 Engine Number  
 Port  
 Starboard

INSPECTION CERTIFICATE  
 AERO ENGINE

INSPECTION CERTIFICATE

AERO ENGINE

Aircraft Number  
 Engine Type  
 Engine Number

Port

Starboard

Periodic Inspection	Accept	1	2	3	4	5	6
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							
Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.							
NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							



Read and adhere to the instructions  
on pages i and ii of this schedule.

NOTE

AERO ENGINE TECHNICIAN

PERIODIC INSPECTION

SECTION 2A



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AERO ENGINE

INSPECTION DATA

PORT

G R O U P	I T E M	PERIODIC INSPECTION																							
		Accept																							
		A	B	A	B	A	B	A	B	A	B	A	B												
GENERAL																									
GEN 1		Replenish oil tank as necessary and filler cap; visual.																							
GEN 2		Engine cowlings, bonding, wrapper sheets, cowl flaps and controls; visual and functional.																							
GEN 3		Engine and power plant; for rags, tools or other foreign objects.																							
GEN 4		Governor unit and feathering; for function on engine run-up.																							
GEN 5		Engine inner cowlings; visual.																							

NOTE  
Cracks may be stop drilled (Ref. EO 05-1-3/24) permanent repairs or replacements as warranted to be effected at next engine change.

Section 2A

EO 05-45B-7A







AERO ENGINE INSPECTION DATA

G R O U P	I T E M	PERIODIC INSPECTION																	
		Accept		1	2	3		4	5		6	7	8	9		10	11	12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
POWER PLANT:	(Cont'd):																		
PP	38	Carburettor drain plug and strainer; visual.																	
		<p style="text-align: center;"><b>CAUTION</b></p> Replacement of strainer. Torque to 100 in.-lbs. Loosen and retorqure to 110-115 in.-lb. slowly. Use of torque wrench compulsory. Install new baskets on each installation. Do not use rags for cleaning strainer.																	
PP	39	Remove priming line fittings from cylinder heads; clean orifices and re-install.																	
		N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
PP	40	Crankshaft at thrust nut threaded area; for cracks and galls (Ref. EO 10A-10AA-2A). (Not applicable to engines having yellow band encircling the nose section).																	
		N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A	N	A
PP	41	DELETED																	
		A		N	A			N	A			N	A			N	A		

		AERO ENGINE																									
		INSPECTION DATA																									
GROUP	ITEM	PERIODIC INSPECTION																									
		Accept		1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
POWER PLANT (Cont'd)	PP 35	Magnetos (25 degrees BTDC). Magneto internal timing and synchronization. (Ref. EO 10A-10AA-2).																									
		<p style="text-align: center;"><b>CAUTION</b></p> <p>This check to be carried out as one operation since any change in breaker point adjustment affects magneto to internal timing as well as timing of magneto to the engine.</p>																									
PP	36	Breaker assembly; visual. Lubricate cam follower as required. (Ref. EO 15-5ADB-2).																									
		<p style="text-align: center;"><b>CAUTION</b></p> <p>Ensure no oil reaches contact breaker points.</p>																									
PP	37	Ignition leads; for condition using tester at 8000 volts. All leads to be retested following replacement of one or more leads. This inspection is to be done in conjunction with the Electrical Technician.																									
		<p style="text-align: center;"><b>CAUTION</b></p>																									

AERO ENGINE INSPECTION DATA

GROUP	ITEM	PERIODIC INSPECTION																							
		1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
POWER PLANT:	(Cont'd)																								
PP	31	Remove exhaust system, tailpipe and intensifier tube; visually check for cracks and re-install.																							
		<div style="border: 1px solid black; padding: 5px; display: inline-block; text-align: center;">CAUTION</div> Exhaust fumes entering the heat and vent system through an unserviceable intensifier tube could prove fatal.																							
PP	32	Remove air intake drain plate, carburettor heat control unit; visual and functional. Re-install drain plate.																							
		N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
PP	33	Ensure magneto switches are in the OFF position. Remove magneto radio shields. Inspect magneto distributor and rotor mouldings; visual. Ground tip of screw and its receptacle in magneto for corrosion and cleanliness. Re-install grounding terminal screw and magneto radio shields.																							
		N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
PP	34	Centre section firewall, cracks, loose rivets, rubber sealing strips; visual.																							
		N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A

AERO ENGINE

INSPECTION DATA

PERIODIC

INSPECTION

G R O U P	I T E M	PERIODIC													
		1	2	3	4	5	6	7	8	9	10	11	12		
POWER PLANT: (Cont'd)	26	A	B	A	B	A	B	A	B	A	B	A	B	A	B
		A	B	A	B	A	B	A	B	A	B	A	B	A	B

Remove exhaust rocker box covers on #3 and #8 cylinders. Check for worn valve guides indicated by lack of lubrication, excessive sludge and dryness in area of exhaust valve guides. When above indications are evident the faulty cylinder is to be replaced using a cylinder kit.

NOTE

Check valve clearance on #3 and #8 cylinders. If faulty remove all rocker box covers and check valve clearance.

Crankcase vent line installation ensuring line protrudes no further than 3/8 to 1/2 inch beyond the wrapper sheet grommet and bevel is facing aft. (Ref. EO 05-45B-6A/1).

Remove spark plugs and replace with new or reconditioned set.

Remove bottom section of cold air intakes, and inspect inter-cylinder drain lines #5 and #6 cylinders; visual.

Oil dilution solenoid valve; functional. Check leakage when switch released.

PP	27														
PP	28	N:A		N:A		N:A		N:A		N:A		N:A		N:A	
PP	29														
PP	30	N:A		N:A		N:A		N:A		N:A		N:A		N:A	

INSPECTION DATA

G R O U P	I T E M	AERO ENGINE															
		PERIODIC INSPECTION															
		Accept		1	2	3	4	5	6	7	8	9	10	11	12		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
		POWER PLANT (Cont'd)															
PP	20	Carburettor air intake shutter and spindle bearings; visual and functional.															
PP	21	Fuel and oil system piping forward to firewall; visual.															
PP	22	Fuel filter; for cleanliness, condition and wire locking when re-assembled.															
		<div style="border: 1px solid black; padding: 5px; display: inline-block;">CAUTION</div> Do not use rag for cleaning.															
PP	23	Priming system; pipe lines; visual.															
PP	24	Drain pipe of fuel pump; visual.															
PP	25	Oil dilution solenoid valve and piping; visual.															







AERO ENGINE

INSPECTION DATA

PERIODIC

INSPECTION

G R O U P	I T E M	PERIODIC INSPECTION												
		1	2	3	4	5	6	7	8	9	10	11	12	
POWER PLANT (Cont'd)	A	B	A	B	A	B	A	B	A	B	A	B	A	B

PP 13 HT harness; visual.

PP 14 HT and LT cables; visual

PP 14A In conjunction with Elect. Tech; remove generator (for bench check). Re-install.

PP 15 Following auxiliaries and connections; visual. Electric generator, vacuum pump, fuel pump, propeller governor, magneto drive seals, feathering pump, hydromatic adapter and engine speed generator.

PP 16 Fuel pumps; for fuel leakage. If leakage evident all 3/16 bolts or screws to be torqued 20-30 in.-lb. and all 1/4 bolts or screws to be torqued to 50-70 in.-lb. Bolts or screws; for safety wiring.

PP 17 Engine control system at power plant; visual and functional. Lubricate.

PP 18 Carburettor; for fuel leakage at plugs and parting surfaces of body castings. Parting surface screw for tightness.

G R O U P		I T E M		AERO ENGINE																							
				INSPECTION																							
				PERIODIC																							
		Accept		1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
POWER PLANT (Cont'd):																											
PP	6	Packing nuts on push rod cover tubes; visual.																									
				<div style="border: 1px solid black; padding: 5px; display: inline-block;">CAUTION</div> <p>The nuts must not be overtightened.</p>																							
PP	7	Oil pipes between rocker boxes, rubber connecting hose; visual.																									
PP	8	Inter-cylinder cooling baffles; visual.																									
PP	9	Cowling support brackets; visual.																									
PP	10	Induction pipes and connections; visual.																									
PP	11	Exhaust system intensifier tube, and heater control relay valve; visual, functional. Ensure all clamps are secure. NOTE do not overtighten.																									
PP	12	Magnets and magneto air vents; visual.																									



Periodic Inspection	Accept	7	8	9	10	11	12
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							
Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.							
NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

Aircraft Number  
 Engine Type  
 Engine Number  
 Port  
 Starboard

INSPECTION CERTIFICATE  
 AERO ENGINE

Periodic Inspection	Accept	1	2	3	4	5	6
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							
Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.							
NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

Aircraft Number  
 Engine Type  
 Engine Number  
 Port  
 Starboard

INSPECTION CERTIFICATE  
 AERO ENGINE



Read and adhere to the instructions on pages i and ii of this schedule.

NOTE

AERO ENGINE TECHNICIAN

PERIODIC INSPECTION

SECTION 2A





INSPECTION DATA

AERO ENGINE

INSPECTION

PERIODIC

GENERAL  
ITEM  
GROUP

GENERAL	ITEM	PERIODIC																											
		Accept		1		2		3		4		5		6		7		8		9		10		11		12			
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B		
GENERAL	1	Replenish oil tank as necessary and filter cap; visual.																											
GEN	2	Engine cowling; bonding; wrapper sheets, cowl flaps and controls; visual and functional.																											
GEN	3	Engine and power plant for rags, tools, or other foreign objects.																											
GEN	4	Governor unit and feathering; for function on engine run up.																											
GEN	5	Engine inner cowling; visual.																											

NOTE

Cracks may be stopped drilled Ref. EO 05-1-3/24. Permanent repairs or replacements as warranted to be effected at next engine change.

C R O U P		I T E M		AERO ENGINE											
				INSPECTION											
				PERIODIC		1	2	3	4	5	6	7	8	9	10
Accept		A	B	A	B	A	B	A	B	A	B	A	B	A	B
PR	6	Port	Stbd	Governor Controls; visual and functional. Lubricate.											
				PROPELLER (Cont'd)											
				Remove the dome assembly and check the propeller retaining nut for tightness. Examine the exposed hub components and distributor valve for galling and damage. Partially disassemble the dome by removing the stop rings and dome shell from the cams and thoroughly clean and flush off all sludge. Do not dismantle the piston and cams. Lubricate all parts thoroughly with engine lubricating oil on assembly. Check the dome shell attaching screws for distortion and stretch.											
PR	8	Port	Stbd	Remove the head of the governor unit and examine for sludge and corrosion. Lubricate speeder rack bushing and spring.											
				NOTE											
				Corrosion to be removed with crocus cloth.											
PR	9	Port	Stbd	Propeller control cable tension adjusting bolt at firewall; visual.											
				N A											
				N A											

G R O U P		I T E M		AERO ENGINE											
				INSPECTION DATA											
				PERIODIC						INSPECTION					
PR	ITEM	Accept		1	2	3	4	5	6	7	8	9	10	11	12
		A	B	A	B	A	B	A	B	A	B	A	B	A	B
PR	PROPELLER														
	1	Port													
		Stbd													
PR	2	Port													
		Stbd													
PR	3	Port													
		Stbd													
PR	4	Port													
		Stbd													
PR	5														

Propeller anti-icer system. Functional. Rheostat control adjustment to be carried out in conjunction with Electrical Technician.

Anti-icer slinger ring, nozzles and feed lines; visual.

Propeller; visual. Lightly lubricate with engine oil.

Propeller blades, for track and condition.

Propeller governor and feathering; pump lines and connections; visual.



AERO ENGINE

INSPECTION DATA

PERIODIC

INSPECTION

G R O U P	I T E M	INSPECTION																									
		Accept		1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B		
MP	9	MAIN PLANES (Cont'd)																									
		Remove oil tank cover panels.																									
		Oil tank cover panels. Oil tank straps, hose and connections; visual. Re-install cover panels.																									
MP	10	Fuel system check valve; visual and functional.																									
		Fuel system check valve; visual and functional.																									
		Fuel system check valve; visual and functional.																									
MP	11	Propeller feathering dilution system, fuel lines; functional. Assist Electrical Technicians during functional inspection of propeller oil dilution system.																									
		Propeller feathering dilution system, fuel lines; functional. Assist Electrical Technicians during functional inspection of propeller oil dilution system.																									
		Propeller feathering dilution system, fuel lines; functional. Assist Electrical Technicians during functional inspection of propeller oil dilution system.																									

NOTE

Oil tank cover panel screws to be dipped in rubber cement prior to installation. Screws to be fully tightened, then backed off 1/4 turn.



AERO ENGINE

INSPECTION DATA

GROUP	ITEM	PERIODIC INSPECTION														
		Accept		1	2	3	4	5	6	7	8	9	10	11	12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	
MP	1	Oil tanks visual. Drain moisture from tank sump through drain cock.														
		Port	N	A	N	A	N	A	N	A	N	A	N	A	N	A
		Stbd	N	A	N	A	N	A	N	A	N	A	N	A	N	A
MP	2	Oil cooler; visual.														
		Port														
		Stbd														
MP	3	Accessible oil and fuel system piping and hoses; visual.														
		Port														
		Stbd														
MP	4	Oil shut-off valve; visual and functional. Flush control cable using a mixture of 50% varsol and 50% hydraulic fluid. Check flow using oil drain valve. Safety wire valve control.														
		Port														
		Stbd														





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AERO ENGINE

INSPECTION DATA

PERIODIC

INSPECTION

G R O U P  
I T E M

Accept	1		2		3		4		5		6		7		8		9		10		11		12	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B

FUSELAGE

Fuel lines in fuselage running from fuel selector to engine; visual.

FU 1

Port  
Stbd

FU 2

Port  
Stbd

Engine cowl flap; oil shutter, manifold heat and propeller controls; visual

FU 3

Port  
Stbd

Fuel wobble pumps and actuating linkages; visual.

FU 4

Port  
Stbd

Fuel selectors, crossfeed valves and linkages; visual and functional.

EO 05-45B-7A

Section 2

AERO ENGINE

INSPECTION DATA

G R O U P	I T E M	PERIODIC INSPECTION																																																
		Accept		1		2		3		4		5		6		7		8		9		10		11		12																								
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B																									
CO	5	Cockpit Fuel priming pump; visual and functional. With priming pump OFF and fuel selector set to appropriate engine pressurize system using wobble pump and check for fuel leakage at disconnected discharge outlet on firewall. Check for fuel flow by operating primer pump. Reconnect priming lines.  Port  Stbd																																																

G R O U P		I T E M		AERO ENGINE											
				INSPECTION DATA											
				PERIODIC						INSPECTION					
Accept		1	2	3	4	5	6	7	8	9	10	11	12		
A	B	A	B	A	B	A	B	A	B	A	B	A	B		
COCKPIT	1	Throttle, mixture, propeller, manifold heat and oil shutter controls; visual and functional. Lubricate pivots and pin joints as necessary.													
		NOTE Mixture control to be placed in rich position while checking throttle travel, to eliminate the possibility of a hydraulic lock.													
CO	2	Cowl flap controls; visual and functional.													
	Port														
	Stbd														
CO	3	Fuel wobble pump handle and boot; visual and functional.													
CO	4	Fuel tank and crossfeed selectors; visual and functional.													
	Port														
	Stbd														

Periodic Inspection	Accept	7	8	9	10	11	12
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							
Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.							
NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

Aircraft Number \_\_\_\_\_  
 Engine Type \_\_\_\_\_  
 Engine Number \_\_\_\_\_  
 Port \_\_\_\_\_  
 Starboard \_\_\_\_\_

INSPECTION CERTIFICATE  
 AERO ENGINE

Periodic Inspection	Accept	1	2	3	4	5	6
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							
Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.							
NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

INSPECTION CERTIFICATE  
AERO ENGINE

Aircraft Number  
Engine Type  
Engine Number

Port  
Starboard



SECTION 2

PERIODIC INSPECTION

AERO ENGINE TECHNICIAN

NOTE

Read and adhere to the instructions  
on pages 1 and 1 of this schedule.

REF TECH

INSPECTION DATA

Shop Procedures

GROUP	ITEM	CHECK																									
		Accept		1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B		
TU	5	Condition and 'Positive Lock' witness position of Dzus fastener markings on all tail plane doors and panels.																									
GENERAL	1	Paint condition and warning streamers undercarriage locks.																									
GEN	2	ADF loop housing, pits and erosion, finish, visual.																									



REF TECH

INSPECTION DATA

Shop Procedures

CHECK

G R O U P	I T E M	CHECK													
		Accept		1	2	3	4	5	6	7	8	9	10	11	12
		A	B	A	B	A	B	A	B	A	B	A	B	A	B
MP	8	Paint condition nacelles, cowlings; propellers and stencils; visual.													
MP	9	Condition and "Positive Lock" witness position of Dzus fastener markings on nacelles and cowlings; visual and functional													
TU	1	Elevator fabric and dope condition; inspection patches, drain holes; visual.													
TU	2	Rudder fabric and dope condition; inspection patches, drain holes; visual.													
TU	3	Horizontal and vertical stabilizer de-icer boots; re-coat with conductive coating cement as required.													
TU	4	Paint condition, flag, identification numbers, stencils tail plane; visual.													

INSPECTION DATA

Shop Procedures

G R O U P	I T E M	CHECK																									
		Accept		1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
MP	3	Re-coat de-icer boots with conductive coating cement as required.																									
MP	4	Aileron fabric and dope condition, inspection patches, drain holes; visual.																									
MP	5	Flap fabric and dope condition, inspection patches, drain holes, and rib stitching; visual, (if aircraft fitted with fabric flaps).																									
MP	6	Fabric sealing patches in wing trailing edge; visual.																									
MP	7	Condition and "Positive lock" witness position of Dzus fastener markings on all doors and panels; visual and functional.																									

REF TECH

INSPECTION DATA

Shop Procedures

CHECK

G R O U P	I T E M	CHECK																									
		Accept		1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
UC	1	Paint condition and stencils, landing gear struts; visual.																									
UC	2	Bolt head witness markings as listed by airframe technician.																									
UC	3	Main and tail wheel creep markings; visual.																									
UC	4	Fabric sealing patches in wheel well.																									
MAINPLANES																											
MP	1	External surfaces, paint condition, identification markings and registration numbers; visual.																									
MP	Port																										
	Stbd																										
MP	2	Roundels, stencils front and rear fuel cap witness marks; visual.																									
	Port																										
	Stbd																										

I T E M		INSPECTION DATA															
		INSPECTION															
		2	3	4	5	6	7	8	9	10	11	12					
G R O U P	P L.	Accept	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
POWER PLANT																	
PP 1	Engine speed generator and damage.																
	Port																
	Stbd																
PP 2	Cylinder temperature leads and thermocouples, and damage.																
	Port																
	Stbd																
PP 3	Fuel and oil pressure gauge pipe lines for security and damage.																
	Port																
	Stbd																

GROUP		INSPECTION DATA												
		INSPECTION												
INSTRUMENT		1	2	3	4	5	6	7	8	9	10	11	12	
POWER PLANT (Con.)	PP 4	Carburettor	A	B	A	B	A	B	A	B	A	B	A	B
		Port	B	A	B	A	B	A	B	A	B	A	B	A
	Stbd													
	PP 5	Remove vacuum relief valve; clean; assemble; re-ins.												
PP 6	Port	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	
	Stbd	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	
PP 6	Port	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	
	Stbd	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	

INSTRUMENT		INSPECTION DATA															
G R O U P	I T E M	INSPECTION															
		PERIODIC															
		Accept	1	2	3	4	5	6	7	8	9	10	11	12			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
MP	MAINPLANES 1																
	Port																
	Stbd																
	Nose																
MP	2																
MP	3																
MP	4																



I T E M G R O U P		INSPECTION DATA											
		INSPECTION											
		PERIODIC											
		1	2	3	4	5	6	7	8	9	10	11	12
		Accept											
		A	B	A	B	A	B	A	B	A	B	A	B
	MAINPLANES (Cont'd)												
MP	5	<del>Seive Amplifier GI-2 compass system, bench check in accordance with: EO 20-25DBA-2 (where applicable).</del> <del>DELETED</del> N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A											
MP	6	Port Wheel Well; oil temperature resistance bulbs Stbd Wheel Well; and electrical leads for security and damage.											
MP	7	Port Engine Fire Wall; Remove vacuum relief valve. Stbd Engine Fire Wall; clean, reassemble, re-install. N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A											

INSTRUMENT		INSPECTION DATA																								
		INSPECTION																								
		PERIODIC																								
G R O U P	I T E M	1		2		3		4		5		6		7		8		9		10		11		12		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
TU	1	Elevator trim transmitter; for security.																								







INSTRUMENT		INSPECTION DATA																							
		INSPECTION																							
		PERIODIC																							
G R O U P	I T E M	1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
FUSELAGE	1	Astro compass mounting; for security.																							
FU	2	Drift recorder and bracket; for security and damage DELETED																							
FU	3	Pitot heads and masts, static vents of aft sides of fuselage; for security and damage; check wiring for damage; check operation of heater element.  <u>NOTE</u> Ensure static vents are free from obstructions.																							
FU	4	B3 drift meter; for security and functional; DELETED																							
FU	5	Air temperature bulbs and electrical leads; for security and damage.																							
FU	6	Direct reading air temperature; for security and operation.																							



INSTRUMENT		INSPECTION DATA																							
		INSPECTION																							
		PERIODIC																							
G R O U P	I T E M	1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
GENERAL																									
GEN 1	Range and creep markings; for location and application in accordance with EO 05-45B-1 and EO 20-1-2A																								
GEN 2	Identifying decals and lettering; installation, legibility and security, renew illegible decals and placards; ensure security of placards.																								



SECTION 3A

PERIODIC INSPECTION

INSTRUMENT TECHNICIAN

NOTE

Read and adhere to the instructions  
on pages i and ii of this schedule.









INSTRUMENT		INSPECTION DATA												PORT	
G R O U P	I T E M	INSPECTION												11	12
		PERIODIC		1	2	3	4	5	6	7	8	9	10		
Accept		A	B	A	B	A	B	A	B	A	B	A	B	A	B
POWER PLANT															
PP	1														
PP	2														
PP	3														
PP	4														
PP	5														





SECTION 3A

PERIODIC INSPECTION

INSTRUMENT TECHNICIAN

NOTE

Read and adhere to the instructions  
on pages i and ii of this schedule.







		INSPECTION DATA												STARBOARD			
G R O U P	I T E M	INSPECTION															
		PERIODIC															
		Accept	1	2	3	4	5	6	7	8	9	10	11	12	A	B	
POWER PLANT		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
PP	1																
PP	2																
PP	3																
PP	4																
PP	5																





SECTION 4

PERIODIC INSPECTION

ELECTRICAL TECHNICIAN

NOTE

Read and adhere to the instructions  
on pages i and ii of this schedule.







ELECTRICAL		INSPECTION DATA																							
		INSPECTION																							
		PERIODIC																							
G R O U P	I T E M	1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
UC	UNDERCARRIAGE																								
UC	1	Landing gear control circuit breaker to be pulled.																							
UC	2	Landing gear limit and safety switches; visual. Check ground observer light for correct position. (Required when modification EO 05-45B-6A/211 embodied.)																							
UC	3	Reset landing gear control breaker. During undercarriage retraction; check limit switch adjustment and associated electrical components.																							
		<div style="border: 1px solid black; padding: 5px; display: inline-block;">CAUTION</div>																							
		Do not reverse undercarriage midcycle, extensive damage to dynamic brake can result.																							
UC	4	Check emergency over-ride system in accordance with EO 05-45B-2, Part 7.																							
UC	5	Pull landing gear control circuit breaker and reset on completion of inspection.																							
UC	6	Undercarriage safety switches; visual and functional, refer to EO 05-45B-2.																							



ELECTRICAL		INSPECTION DATA													
		INSPECTION													
		PERIODIC		1	2	3	4	5	6	7	8	9	10	11	12
G R O U P	I T E M	Accept													
		A	B	A	B	A	B	A	B	A	B	A	B	A	B
FUSELAGE															
FU	1			Landing gear motor; visual.											
FU	2			Flap motor; visual.											
FU	3			Flap motor limit switches; visual and proper setting; Flap selector switch operation and security of connections. Flap dynamic brake relay; visual.											
FU	4			Position light flasher; visual and functional.											
FU	5			Navigation lights; visual.											
FU	6			External power receptacle; visual.											
FU	7			Check anti-collision light; visual and functional.											



ELECTRICAL		INSPECTION DATA																							
		INSPECTION																							
		PERIODIC																							
I T E M	G R O U P	1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
FUSELAGE (Cont'd)		<p>NOTE</p> <p>Do not operate on dry glass, this inspection is to be carried out in conjunction with the AF Tech.</p>																							
FU	8	<p>Windshield wiper motor; visual and functional.</p>																							
FU	9	<p>Remove landing gear motor and inspect brushes and commutation. Re-install landing gear motor.</p>																							
FU	10	<p>Remove flap motor and inspect brushes and commutator; visual. Re-install flap motor.</p>																							
FU	11	<p>Dynamic brake relay landing gear; visual.</p>																							
FU	12	<p>Lubricate anti-collision light. Ref. EO 40-65CJ-3.</p>																							

ELECTRICAL		INSPECTION DATA													
		INSPECTION													
		PERIODIC		1	2	3	4	5	6	7	8	9	10	11	12
G R O U P	I T E M	Accept		A	B	A	B	A	B	A	B	A	B	A	B
		FUSE LAGE (Cont'd)													
FU 13	Remove and bench check landing gear dynamic brake-relay; for burned or pitted contacts. Re-install relay.														
FU 14	Main power post. - electrical connections; visual.														



ELECTRICAL		INSPECTION DATA																							
		INSPECTION																							
		PERIODIC																							
G R O U P	I T E M	1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
MAIN PLANES																									
MP	1	Remove batteries and surmp jars; Ref. EO 40-5A-2. Inspect acid drain hoses and surmp jar felt pads; visual, clean and resaturate if dry. Re-install batteries. Inspect battery stowage compartment; visual.																							
MP	2	Landing lights; visual and functional. Ensure proper extension travel as per EO 05-45B-2, page 7-23, paragraph 25(e).																							
MP	3	De-icer distributor motor; visual.																							
MP	4	Voltage regulator and base for security and cleanliness; visual.																							
MP	5	Reverse current cut-outs, visual (Port and stbd).																							
MP	6	Electrical wiring over fuel cells; visual.																							
MP	7	Remove, bench check and re-install voltage regulator.																							



ELECTRICAL		INSPECTION DATA												
I T E M	G R O U P	INSPECTION												
		PERIODIC												
Accept		1	2	3	4	5	6	7	8	9	10	11	12	
A		B	A	B	A	B	A	B	A	B	A	B	A	B
COCKPIT														
CO 1		Connections to switches, plugs, sockets, terminal block and junction boxes; visual. Battery switch terminals insulation; visual.												
CO 2		Instrument, cabin, and cockpit, extension, baggage compartment lights; functional. Ensure adequacy of spare bulbs.												
CO 3		Circuit breakers; visual.												
CO 4		Ammeters; visual.												
CO 5		Anti-icer pump; visual.												
CO 6		During retraction; check undercarriage warning lights; visual.												
CO 7		Fire detection relay panel assembly; visual.												
		N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
		DELETED												
		N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A

G R O U P		ELECTRICAL INSPECTION DATA																								
		PERIODIC INSPECTION																								
		Accept	1		2		3		4		5		6		7		8		9		10		11		12	
A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
COCKPIT (Cont'd)																										
CO 8	Setting of normal position on anti-icing rheostat control; in conjunction with the AF Tech.	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A
CO 9	Feathering switches; ensure the knob is secured with a lockwasher; visual and functional.																									
CO 10	Inverter failure warning light; functional.																									
CO 11	Generator switches; visual; Ref. EO 05-45B-2.																									
CO 12	Check manual emergency release for undercarriage switch, latch solenoid during retraction test; visual and functional; Ref. EO 05-45B-2.	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A

		INSPECTION DATA													
G R O U P	I T E M	INSPECTION													
		PERIODIC													
		1	2	3	4	5	6	7	8	9	10	11	12		
Accept		A	B	A	B	A	B	A	B	A	B	A	B	A	B
NACELLE															
NA	1	Battery, starter, feathering and anti-flash back relays; Ref. EO 40-40-2B.													
NA	2	Induction vibrators; visual.													
NA	3	Fire detection thermocouples and fire zone wiring; visual. <del>DELETED</del>													
NA	4	Propeller feathering motor and pump units and feathering system dilution pump; visual.													
NA	5	Oil dilution solenoid; visual and functional.													
NA	6	Fire detection circuit; visual and functional as per EO 40-95AA-2, Part 4.  NOTE All checks in paragraphs 2, 3 and 4 to be included.													
NA	7	Disconnect feathering motors for removal. Inspect for brush weight spring tension; visual and functional. <del>DELETED</del>													



ELECTRICAL		INSPECTION DATA																							
		PERIODIC																							
		INSPECTION																							
I T E M	G R O U P	1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
	NA	NACELLE (Cont'd)																							
	8	Carry out continuity check between magnetos and ignition switches.																							
	9	Propellor feathering oil dilution system, plessey pump relay solenoids, cables and leads; visual and functional. This inspection to be carried out in conjunction with an AE Tech. Ref. EO 05-45B-2.																							
	10	Fuel pressure warning signal units; visual and functional.																							
		NOTE																							
		The warning lights should be ON at a fuel pressure under 2.5 PSI, but should go out when this pressure is reached.																							

ELECTRICAL		INSPECTION DATA																							
		INSPECTION																							
		PERIODIC																							
I T E M	G R O U P	1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
GENERAL																									
GEN 1		All lamp glasses; visual.																							
GEN 2		DELETED																							
GEN 3		Inverters, for output voltage, frequency and security.																							
GEN 4		All accessible wiring; visual.																							
GEN 5		Bonding visual; Ref. EO 40-90-10.																							
GEN 6		Remove, bench check and re-install inverters; Ref. EO 40-30FC-2.																							
GEN 7		Fuel nozzle grounding sockets visual and functional.																							
GEN 8		Engine run up; adjust output of generators; ensure reverse current cut-out functions properly. Check generator warning lights; functional check effectiveness of radio filters in conjunction with telecoin technical. Ensure ammeters function properly.																							



SECTION 4A

PERIODIC INSPECTION

ELECTRICAL TECHNICIAN

NOTE

Read and adhere to the instructions  
on pages i and ii of this schedule.



INSPECTION CERTIFICATE

Aircraft Number  
Engine Type  
Engine Number

ELECTRICAL

Port \_\_\_\_\_

Starboard \_\_\_\_\_

Periodic Inspection	Accept	1	2	3	4	5	6
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							

Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.

NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

Section 4A  
Port

EO 05-45B-7A

INSPECTION CERTIFICATE

Aircraft Number  
Engine Type  
Engine Number

ELECTRICAL

Port \_\_\_\_\_

Starboard \_\_\_\_\_

Periodic Inspection	Accept	7	8	9	10	11	12
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							

Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.

NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

ELECTRICAL PERIODIC		INSPECTION DATA												PORT					
		INSPECTION																	
		1	2	3	4	5	6	7	8	9	10	11	12	A	B				
GROUP	ITEM	Accept	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
		POWER PLANT																	
		PP 1	Engine driven generators; visual; Ref. EO 05-45B-2S.																
		PP 2	Starter motor; visual.																
		PP 3	Disconnect generator for removal, bench check, Re-connect; This inspection item is to be carried out in conjunction with an AE Tech.	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
		PP 4	Starters for brush wear and spring tension; visual and functional.	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
		PP 5	Generator, starter, hydraulic adaptor, cables and electrical connectors; visual.	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A	N A
PP 6	Low tension magneto shielded harness; visual.																		





SECTION 4A

PERIODIC INSPECTION

ELECTRICAL TECHNICIAN

NOTE

Read and adhere to the instructions  
on pages i and ii of this schedule.



INSPECTION CERTIFICATE

ELECTRICAL

Aircraft Number  
Engine Type  
Engine Number

Port

Starboard

Periodic Inspection	Accept	1	2	3	4	5	6
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							
<p>Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.</p>							
NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

Section 4A  
Stbd

EO 05-45B-7A

INSPECTION CERTIFICATE

Aircraft Number  
Engine Type  
Engine Number

ELECTRICAL

Port \_\_\_\_\_

Starboard \_\_\_\_\_

Periodic Inspection	Accept	7	8	9	10	11	12
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							
Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.							
NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

ELECTRICAL		INSPECTION DATA STARBOARD													
G R O U P	I T E M	INSPECTION													
		PERIODIC													
		1	2	3	4	5	6	7	8	9	10	11	12		
Accept		A	B	A	B	A	B	A	B	A	B	A	B	A	B
POWER PLANT															
PP	1	Engine driven generators; visual; Ref. EO 05-45B-2S.													
PP	2	Starter motor; visual.													
PP	3	Disconnect generator for removal, bench check. Re-connect. This inspection item is to be carried out in conjunction with an AE Tech.													
PP	4	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A
PP	5	Starters for brush wear and spring tension; visual and functional.													
PP	6	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A
PP	7	Generator, starter, hydromatic adaptor, cables and electrical connectors; visual.													
PP	8	Low tension magneto shielded harness; visual.													



SECTION 5

PERIODIC INSPECTION

COMMUNICATIONS AND RADAR TECHNICIAN (AIR)

NOTE

Read and adhere to the instructions on pages i and ii of this schedule.





INSPECTION CERTIFICATE

Aircraft Number  
Engine Type  
Engine Number

COMMUNICATIONS AND RADAR

Port \_\_\_\_\_

Starboard \_\_\_\_\_

Periodic Inspection	Accept	1	2	3	4	5	6
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							

Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.

NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							



INSPECTION CERTIFICATE

Aircraft Number  
 Engine Type  
 Engine Number

COMMUNICATIONS AND RADAR

Port \_\_\_\_\_  
 Starboard \_\_\_\_\_

Periodic Inspection	Accept	7	8	9	10	11	12
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							
Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.							
NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							



G R O U P		I N S P E C T I O N D A T A																							
		C O M M U N I C A T I O N A N D R A D A R																							
		I N S P E C T I O N																							
I T E M		P E R I O D I C																							
		1		2		3		4		5		6		7		8		9		10		11		12	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
ANTENNA																									
ANT 1	All fixed wire antennae; for security of mounting, freedom from damage, dirt, deterioration and corrosion.																								
		NOTE																							
		ANSTAT: antenna tension is to be adjusted in accordance with EO 35-1-5A/6.																							
ANT 2	All fixed wire antenna insulators, lead-ins, masts, anchoring brackets, MAST mounting brackets, gaskets, connectors, tensioner units, and grounding pig tails; for cracks, security of mounting, dirt and deterioration. In conjunction with Section 1, Refinisher Tech FU3, antenna mast finish.																								
ANT 3	All other fixed telecommunications antennae and their mountings, connectors and lead-ins; for security of mounting, dirt and deterioration. In conjunction with Section 1, Refinisher Tech FU3, antenna mast finish.																								
ANT 4	Check loop antenna connectors, lead-ins, mounting, dehydrator crystals for discoloring visual.																								
ANT 5	Static wick discharger; in accordance with EO 35AC-1ASA3-4.																								



		INSPECTION DATA													
G R O U P	I T E M	PERIODIC													
		INSPECTION													
		1	2	3	4	5	6	7	8	9	10	11	12		
Accept		A	B	A	B	A	B	A	B	A	B	A	B	A	B
FUSE LAGE															
FU 1	HF system.														
FU 2	VHF system.														
FU 3	UHF system.														
FU 4	Radio compass system.														
FU 5	VOR/ILS system.														
FU 6	TACAN system.														

NOTE  
 Where applicable, inspect each item of the following installations, for security of mounting, clean and undamaged connectors, active and spare fuses, and for freedom from damage. dirt and moisture. This instruction applies to Group FU 1 to FU 9 inclusive

G R O U P		COMMUNICATION AND RADAR												INSPECTION DATA											
		PERIODIC												INSPECTION											
		Accept		1	2		3	4		5	6		7	8		9	10		11	12					
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B				
FUSE LAGE	(Cont'd)																								
FU 7	IFF system.																								
FU 8	Marker beacon.																								
FU 9	Radiac simulator system.																								
FU 10	Check all telecommunication junction boxes, terminal strips, all associated relays, switches, circuit components; for cleanliness, freedom from dirt, damage and corrosion, bonding and security.																								
FU 11	In conjunction with FU 30 of Section 1, inspect telecomm wiring from rear radio junction box to overhead radio control panel; visual.																								
FU 12	In conjunction with FU 10 and FU 11 of Section 1, inspect marker beacon antenna lead from connector to connector; visual.																								
FU 13	Inspect all telecommunications electrical and mechanical cables and connectors, without removing panels, or floor boards; for freedom of damage, cleanliness, deterioration and security.																								



		INSPECTION DATA																								
		PERIODIC						INSPECTION																		
G R O U P	I T E M	1		2		3		4		5		6		7		8		9		10		11		12		
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
COCKPIT																										
CO 1	On each remote control; carry out complete fitgal procedures.																									
CO 2	Inspect flexible drives cables; for freedom from binding, lubrication, damage and security.																									
CO 3	Intercom system.																									
CO 4	HF system.																									
CO 5	VHF system.																									
CO 6	UHF system.																									

NOTE

Carry out a power or functional check for each of the following installations in accordance with the relevant current instructions. Ensure that each installation is performing above the established minimum standard. This instruction applies to group CO 3 to CO 12 inclusive.

N A

N A

N A

N A

N A

N A

N A



		INSPECTION DATA											
		INSPECTION											
		PERIODIC											
		Accept											
		1	2	3	4	5	6	7	8	9	10	11	12
		A	B	A	B	A	B	A	B	A	B	A	B
GROUP	ITEM												
COCKPIT (Cont'd)													
CO 7	Radio compass system.												
CO 8	VOR/ILS system.												
CO 9	TACAN system.												
CO 10	IFF system.												
CO 11	Radiac simulator system.												
CO 12	Marker beacon system.												
CO 13	Frequency cards; in place, clean, readable and correct.												



		INSPECTION DATA													
G R O U P	I T E M	INSPECTION													
		PERIODIC													
		1	2	3	4	5	6	7	8	9	10	11	12		
	Accept	A	B	A	B	A	B	A	B	A	B	A	B	A	B
GENERAL															
GEN 1	Ensure that all applicable -5 Special Inspections and -6A Modifications to date have been carried out.														
GEN 2	With engine (2) running, carry out a listening test on all receivers to test for interference where applicable, adjust squelch controls and antenna trimmers.														
GEN 3	Complete I61 tag for each occurrence of corrective maintenance carried out which did not entail the removal of equipment from the aircraft.														



SECTION 6

PERIODIC INSPECTION

SAFETY EQUIPMENT TECHNICIAN

NOTE

Read and adhere to the instructions  
on pages i and ii of this schedule.



INSPECTION CERTIFICATE

Aircraft Number  
 Engine Type  
 Engine Number

SAFETY EQUIPMENT

Port \_\_\_\_\_

Starboard \_\_\_\_\_

Periodic Inspection	Accept	1	2	3	4	5	6
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							

Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.

NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

INSPECTION CERTIFICATE

Aircraft Number  
Engine Type  
Engine Number

SAFETY EQUIPMENT

Port \_\_\_\_\_

Starboard \_\_\_\_\_

Periodic Inspection	Accept	7	8	9	10	11	12
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							

Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.

NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							



SAFETY EQUIPMENT		INSPECTION DATA											
G R O U P	I T E M	INSPECTION											
		PERIODIC											
	Accept	1	2	3	4	5	6	7	8	9	10	11	12
	A B A	A B A	A B A	A B A	A B A	A B A	A B A	A B A	A B A	A B A	A B A	A B A	A B A
COCKPIT													
CO 1			Safety harness, inertia reel control and manual lock; visual and functional.										
CO 2			Safety harness; annual inspection; Ref. EO 55-45-2.				<u>NOTE</u>						
								This inspection is to be carried out at the nearest periodic inspection to the 1st April.					
CO 3			AN/CRT3 emergency transmitter container; and chute; visual; Ref. EO 55-40A-2.				<u>NOTE</u>						
								Not applicable to training command aircraft.					
CO 4			AN/CRT3 emergency transmitter; functional. (Safety Equipment Section, Ref. EO 55-40A-2).										
CO 5			AN/CRT3 emergency transmitter; functional. (Telecommunication Section; Ref. EO 55-40A-2).										



GROUP		SAFETY EQUIPMENT INSPECTION DATA														
		INSPECTION														
		PERIODIC		1	2	3	4	5	6	7	8	9	10	11	12	
		Accept	A	B	A	B	A	B	A	B	A	B	A	B	A	B
COCKPIT	(Cont'd)															
CO 6	Survival Kits: inspect as per EO 55-15B-2; EO 55-15F-2 and EO 55-15H-2.															
CO 7	DELETED															
CO 8	First aid kit; visual (breakdown); Ref. EO:55-15G-2															
CO 9	DELETED															
CO 10	AZ0 portable fire extinguisher and brackets; visual;															
CO 11	Valise life raft; inspect every 90 days (Ref. EO 55-30LB-2).															

I T E M G R O U P		INSPECTION DATA															
		SAFETY EQUIPMENT		INSPECTION													
		PERIODIC		1	2	3	4	5	6	7	8	9	10	11	12		
		Accept															
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
COCKPIT	(Cont'd)																
<del>CO</del>	<del>12</del>	<del>Valise life raft; functional. Inflate by air, Ref. EO 55-30LB-2.</del>															
CO	13																
CO	14																
CO	15																
CO	16																
CO	17																
CO	18																
CO	19																



SAFETY EQUIPMENT		INSPECTION DATA													
		PERIODIC INSPECTION													
		Accept	1	2	3	4	5	6	7	8	9	10	11	12	
GROUP	ITEM	A	B	A	B	A	B	A	B	A	B	A	B	A	B
FUSELAGE															
FU	1	Engine fire extinguisher lines from extinguisher to engine; visual.													
	Port														
	Stbd														
FU	2	Engine fire extinguisher blow out disc, on the lower forward side of fuselage; visual.													
FU	3	Engine fire extinguisher installation and disc on fire; extinguisher bottle; for proper indication and visual.													
FU	4	Engine fire extinguisher; visual and weigh. Check cable with bottle removed.	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A	N:A



		INSPECTION DATA													
SAFETY EQUIPMENT		INSPECTION													
G R O U P	I T E M	P E R I O D I C													
		1	2	3	4	5	6	7	8	9	10	11	12		
		Accept													
	POWER PLANT:	A	B	A	B	A	B	A	B	A	B	A	B	A	B
PP	1 Port Stbd														
	Engine fire extinguisher system forward of firewall; visual.														
PP	2														
	Engine fire extinguisher lines; functional. Connect air lines 50 psi.														
		N: A		N: A		N: A		N: A		N: A		N: A		N: A	



		INSPECTION DATA													
SAFETY EQUIPMENT		INSPECTION													
G R O U P	I T E M	PERIODIC													
		Accept		1	2	3	4	5	6	7	8	9	10	11	12
		A	B	A	B	A	B	A	B	A	B	A	B	A	B
GENERAL															
GEN 1	Emergency maps and forced landing instructions; visual Ref. AFAO 55.00/02; and EO 55-1-10														
GEN 2	DELETED														





SECTION 8A

PERIODIC INSPECTION

MUNITIONS AND WEAPONS TECHNICIAN

NOTE

Read and adhere to the instructions  
on pages i and ii of this schedule.



INSPECTION CERTIFICATE

MUNITIONS AND WEAPONS

Aircraft Number  
 Engine Type  
 Engine Number

Port \_\_\_\_\_

Starboard \_\_\_\_\_

Periodic Inspection	Accept	1	2	3	4	5	6
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							
Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.							
NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							



INSPECTION CERTIFICATE

MUNITIONS AND WEAPONS

Aircraft Number  
Engine Type  
Engine Number

Port \_\_\_\_\_

Starboard \_\_\_\_\_

Periodic Inspection	Accept	7	8	9	10	11	12
Due At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Made At	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs	Hrs
Date Started							
Date Completed							
Maint. Crew							

Certified that the Periodic Inspection of this aircraft has been carried out in accordance with instructions in this EO, and that all defects have been properly entered in the applicable L14 record.

NCO i/c Trade							
WO i/c Crew							
Officer i/c Maint.							

G. R O U P		MUNITIONS AND WEAPONS												INSPECTION DATA											
		PERIODIC						INSPECTION						INSPECTION											
		Accept		1	2	3	4	5	6	7	8	9	10	11	12										
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B				
GENERAL		Signal pistol; for group D: inspection EO 30-65ED-2.																							
GEN 1		Signal pistol mounting and blast tube; visual.																							
GEN 2		Signal cartridge; stowage; visual. Ensure fully stocked. Inspect as per EO 30-130-30, Part 4, Section 3, paragraph 19.																							
GEN 3																									



## APPENDIX "A"

## REPLACEMENT SCHEDULE

This section lists the units of operating equipment which are to be replaced at the periods specified. Replacement means removal of the equipment and installation of a new or overhauled item in its place. Replacement of equipment will be indicated in flying hours and/or calendar time and will be accomplished at the Periodic Inspection nearest the time when replacement is due.

## AIRFRAME (SECTION 1)

Item No.	Item and Number Per Aircraft	Reference/Stock or Part Number	L14-4X Req'd	L14-8 Req'd	Replace At	
					Flying Time Hours	Calendar Time Months
1	Main Wheel Assembly (2)	530884G				36
2	Valve Assembly-Selector Fuel	2915-00-347-5049			1400	





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## AERO ENGINE (SECTION 2)

Item No.	Item and Number Per Aircraft	Reference/Stock or Part Number	L14-4X Req'd	L14-8 Req'd	Replace At	
					Flying Time Hours	Calendar Time Months
1	Carburettor (2)	2915-21-804-3192		Yes	1400	
2	Engine (2)	2810-21-800-0502			Refer to EO 00-50-7 Appendix "A"	
3	Fuel Pump (2)	2915-21-805-4197		Yes	2400	
4	Hydromatic Adapter (2)	1610-00-698-5726			<del>2100</del> 2800	EVA 2888
5	Magneto (2)				1400	
6	Oil Cooler LH	2935-00-486-1857			1400	
7	Oil Cooler RH	2935-00-486-2344			1400	
8	Propeller (2)	1610-21-802-8566		Yes	1800	
9	Propeller Governor (2)	1610-00-219-4734			1400	
10	Pump Assembly-Propeller Feathering	1650-00-529-3345 or 1650-21-804-5156			3600	
11	Vacuum Pump	1650-00-474-4601 or 1650-00-529-4163 or 1650-21-805-9540			2400	



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## REPLACEMENT SCHEDULE

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## INSTRUMENT (SECTION 3)

Item No.	Item and Number Per Aircraft	Reference/Stock or Part Number	L14-4X Req'd	L14-8 Req'd	Replace At	
					Flying Time Hours	Calendar Time Months
	NIL					



## APPENDIX "A"

## REPLACEMENT SCHEDULE

This section lists the units of operating equipment which are to be replaced at the periods specified. Replacement means removal of the equipment and installation of a new or overhauled item in its place. Replacement of equipment will be indicated in flying hours and/or calendar time and will be accomplished at the Periodic Inspection nearest the time when replacement is due.

## ELECTRICAL (SECTION 4)

Item No.	Item and Number Per Aircraft	Reference/Stock or Part Number	L14-4X Req'd	L14-8 Req'd	Replace At	
					Flying Time Hours	Calendar Time Months
1	Anti-Icer Pump and Motor	AN6100-1 1650-00-474-3715			2400	
2	Flap Motor	804-182626 6105-21-802-7326			2400	
3	Flap Relays	20023 5945-00-240-4388			2400	
4	Fuel Pressure Warning Switches	3135-15D200 Type 3C 5930-00-487-4516			2400	
5	Generator	30E 16-1-B 2925-21-820-9538			1200	
6	Inverters	MG149-F, F16-4 6125-00-512-6851 6125-00-254-4066			1200	
7	Inverter UHF	F20-4 6124-00-539-9951			900	
8	Landing Gear Motor	84-188590 6105-21-802-7327			1800	
9	Landing Gear Relay	6046-H39A 5945-00-229-0209			1500	
10	DELETED					
11	Oil Dilution Solenoid	37D6210 2915-21-813-0214			3000	
12	DELETED					

## ELECTRICAL (SECTION 4) (Cont'd)

Item No.	Item and Number Per Aircraft.	Reference/Stock or Part Number	L14-4X Req'd	L14-8 Req'd	Replace At	
					Flying Time Hours	Calendar Time Months
13	Prop Feathering Pump and Motor	IE521DC-2 1650-21-804-5156			3600	
14	DELETED					
15	Starting Vibrators	VJR-24B5 AN4181-1 2925-21-804-1943 2925-00-561-5028			1800	
16	Starter	756-21C 2925-00-234-7919			1800	
17	Voltage Regulator	A24A9170 6110-00-390-8115			2400	
18	DELETED					

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## TELECOMMUNICATIONS (SECTION 5)

Item No.	Item and Number Per Aircraft	Reference/Stock or Part Number	L14-4X Req'd	L14-8 Req'd	Replace At	
					Flying Time Hours	Calendar Time Months
		<u>NOTE</u>				
		For complete information on Calendar Inspections and Equipment Replacement, refer EO 35-1-53, Part 5.				





## APPENDIX "A"

## REPLACEMENT SCHEDULE

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## SAFETY EQUIPMENT (SECTION 6)

Item No.	Item and Number Per Aircraft	Reference/Stock or Part Number	L14-4X Req'd	L14-8 Req'd	Replace At	
					Flying Time Hours	Calendar Time Months
	NIL					

