



sabena [®] B707	Module: ENGINE 4	A/C Reg :	Check :	 Q1F2000515
	Oper. : RT-MP LC	Issuer : A59513	Cert.St.: 45379	
	Type : MEC-INSP	Release Date: 11.09.2008		Page 1 of 9
Spec. : MECHANIC				

ENG 4 FWD THRUST REVERSER ADJUSTMENT

Execution / Start Date:	
End Date:	

MAINT	RII/INSP

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ENG 4 FWD THRUST REVERSER ADJUSTMENT

					MAINT	RII/INSP	
Nr.	Hardtime	Task	Spec.	Related Documents			
1.		F1 M1	MEC	AMM 78-5-1 PB 500 rev JUL 15/69 MMS-328 783003 A0204 rev 20.10.06 REF DFW EXP rev .			
Check: C							
Zones: 454							
Access:							
NRC YES <input type="radio"/> NO <input type="radio"/>		IF YES, NUMBER(S):					

ENG 4 FWD THRUST REVERSER ADJUSTMENT: MEASURE GAPS & ADJUST FWD THRUST REVERSER INSTALLATION AS REQUIRED.

A. Adjust alignment of carriage assemblies & cowl ring.

1. Manually move cowl ring aft 7.5 (+0.00/-0.15) inches from FWD thrust position. Add shims as necessary between carriage flanges (4 places) & cowl ring so that carriage stop bolts on all 4 carriages engage simultaneously with bosses on carriage tracks (see view 2, fig 501).

NOTE: If tapered shim is required, fabricate as follows:

Material — 2024-T3 sheet per QQ-A-355

Thickness — 0.063 inch max

Length & width — same as laminated shims used

Taper — 0.010 inch per inch max

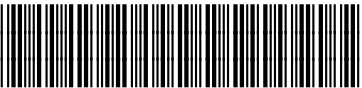
Finish — skydrol resistant finish 2.30

2. With cowl ring restrained in full reverse position per step1, clearance between the diaphragm & the sleeve at the dimple in the lower section of the sleeve shall be **0.02 to 0.08 inches** at closest point. (see detail C) When installing cowl ring, required gap can be obtained by shimming fan air exhaust diaphragm as described below:

- remove antirotation clips (2 places) from exhaust diaphragm & from engine flange (see section D-D).
- Add laminated shim between clip & exhaust diaphragm (2 places) & remove laminations as necessary to obtain required gap.
- Be sure that clips are firmly secured at engine flange & diaphragm ring attachment when shimming is completed.

Clearance
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3. On airplanes with adjustable seal at cowl splitter area (detail F), perform following:
- Adjust seal to obtain 0.002 to 0.062 inch gap between cowl ring & diaphragm with cowl ring in cruise position.
 - Move cowl ring to full reverse position & check that seal clears diaphragm by 0.002 inch minimum throughout travel.
4. Adjust cowl ring & carriage assemblies so that cowl ring moves aft freely by hand from fwd thrust position to full reverse thrust position.

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ENG 4 FWD THRUST REVERSER ADJUSTMENT

	MAINT	RII/INSP
<p>9. Check actuator rigging.</p> <ul style="list-style-type: none"> - Check that piston rods of blocker door actuators (12 places) bottom when cowl ring is manually positioned aft to reverse thrust position. - Check that piston rods of vane assembly actuators do not bottom in either reverse or fwd thrust position. 		

ENG 4 FWD THRUST REVERSER ADJUSTMENT

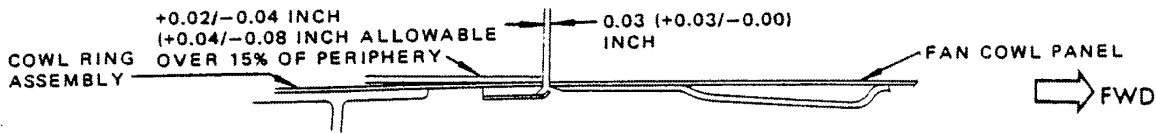
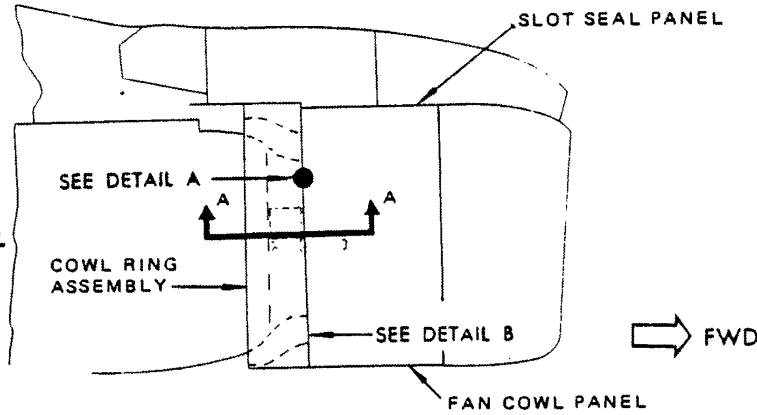
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ENG 4 FWD THRUST REVERSER ADJUSTMENT

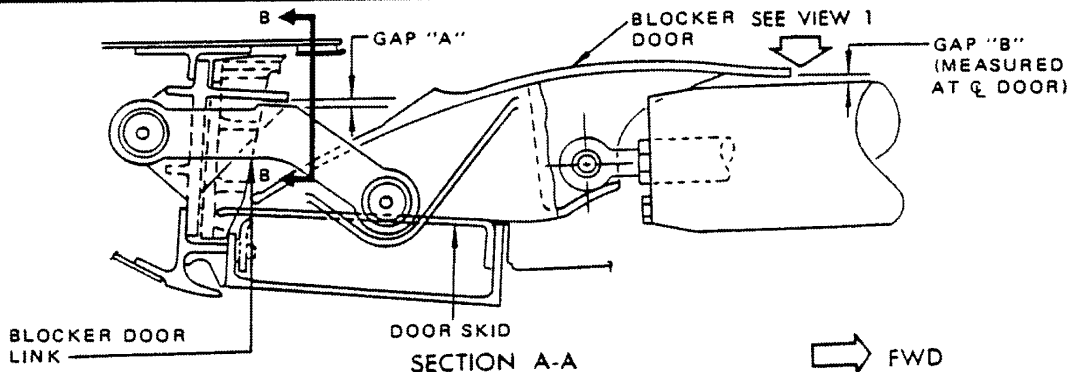
MAINT RII/INSP

MAINTENANCE MANUAL

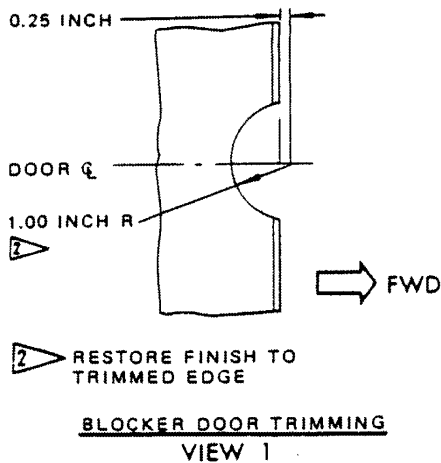
FORWARD THRUST REVERSER IN FORWARD THRUST POSITION



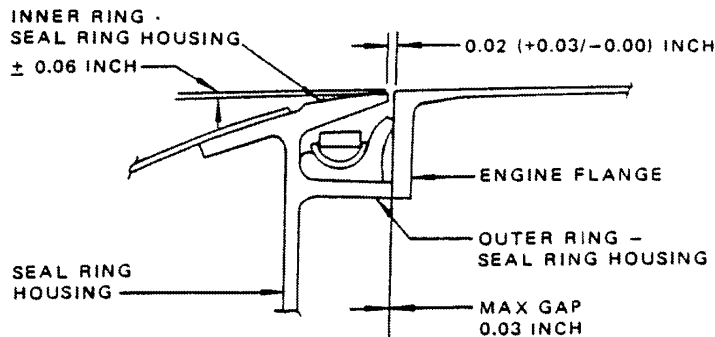
DETAIL A



SECTION A-A



BLOCKER DOOR TRIMMING VIEW 1




DETAIL B

Forward Thrust Reverser Adjustment
Figure 501 (Sheet 1)

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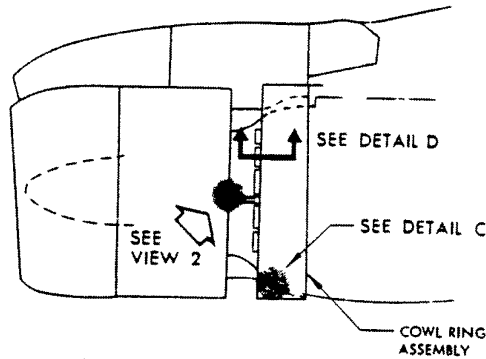
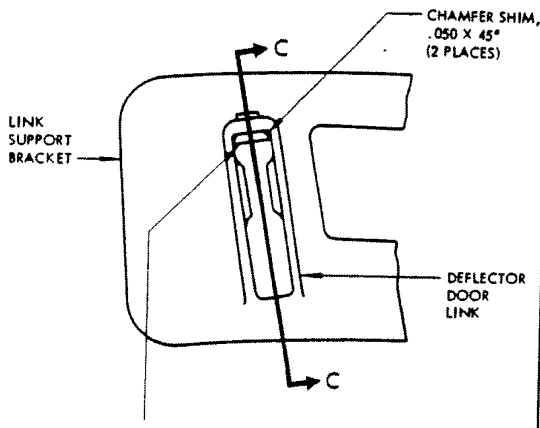
ENG 4 FWD THRUST REVERSER ADJUSTMENT

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ENG 4 FWD THRUST REVERSER ADJUSTMENT

MAINT RII/INSP

EFFECTIVITY
TURBOFAN

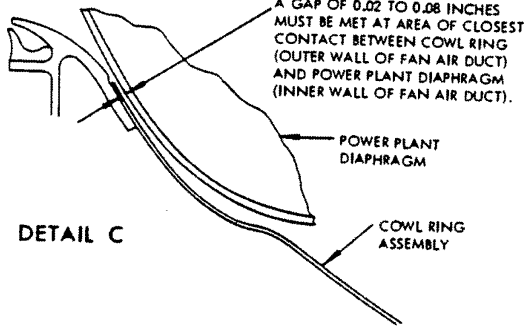


FORWARD THRUST REVERSER IN REVERSE THRUST POSITION

SHIM - MAKE FROM 2023-T3 OR T4 ALUM SHT OR USE BACS40C6-6 (3/8 X 3/8 BY 0.093 INCH LAMINATED ALUMINUM SHIM STOCK)

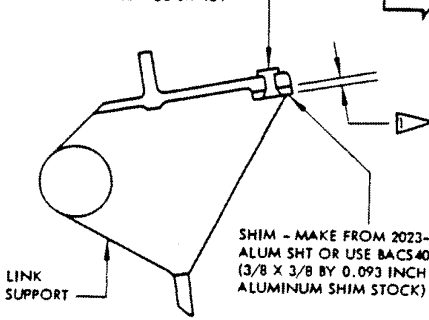
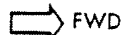


SECTION B-B

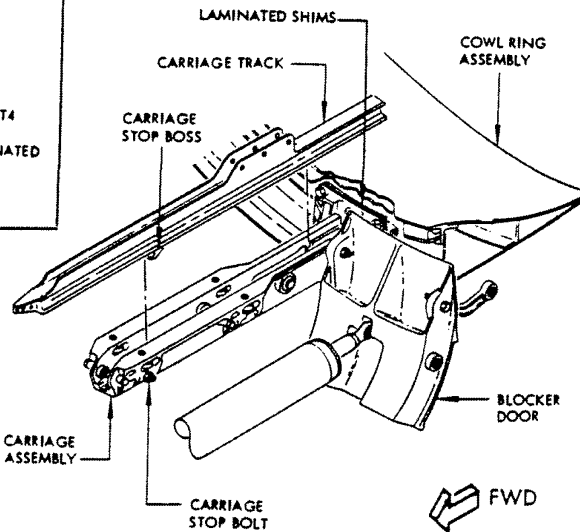


DETAIL C

1/8 INCH DIA (MS20426B4-7) RIVET OR USE NAS517-2-2 SCREW (OR EQUIV) AND NAS679A08W LOCKNUT



SECTION C-C



VIEW 2




▶ DETERMINE SHIM THICKNESS AS FOLLOWS: WITH SLEEVE IN THE FORWARD POSITION PUSH THE AFT END OF BLOCKER DOOR INWARD AGAINST THE DOOR AND MEASURE GAP "A" PER SECTION VIEW A-A. REQUIRED SHIM THICKNESS EQUAL GAP "A" MINUS 0.03 INCH. SHIMMING NEED BE DONE AT ONLY ONE LINK FITTING LOCATION PER DOOR.

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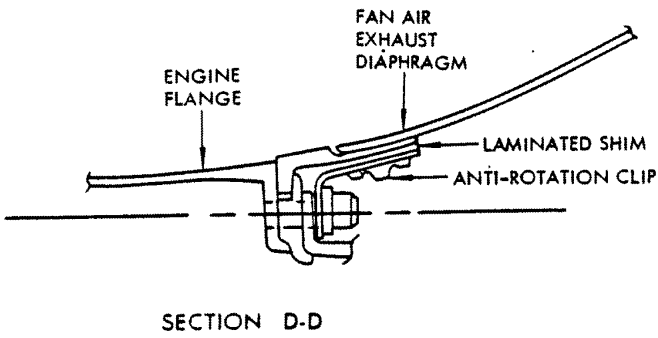
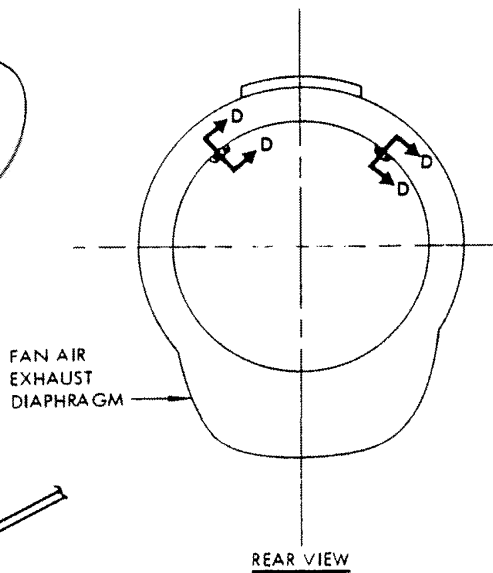
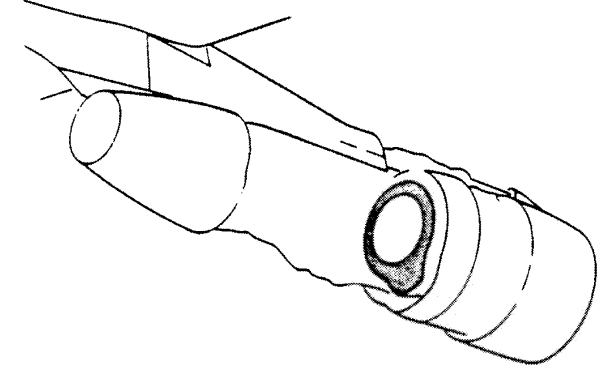
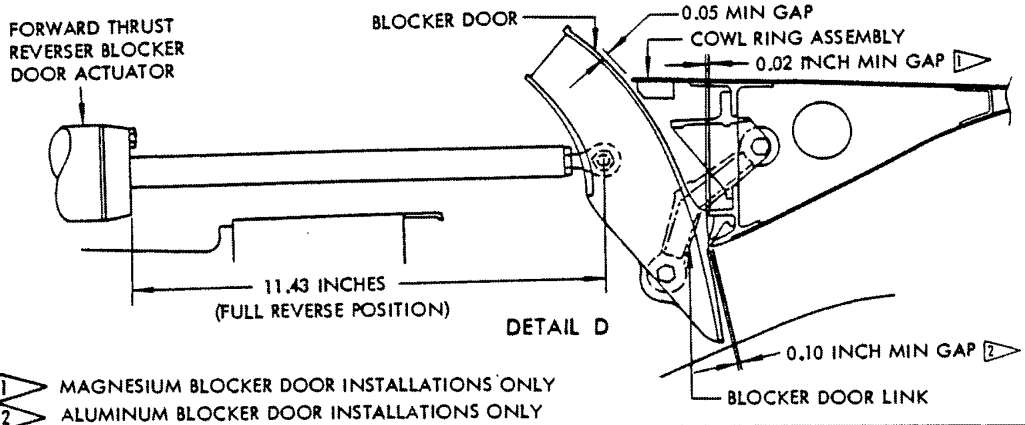
Forward Thrust Reverser Adjustment
Figure 501 (Sheet 2)

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ENG 4 FWD THRUST REVERSER ADJUSTMENT


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ENG 4 FWD THRUST REVERSER ADJUSTMENT



Forward Thrust Reverser Adjustment
Figure 501 (Sheet 3)

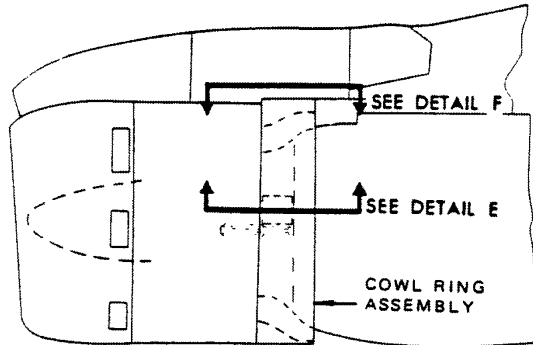
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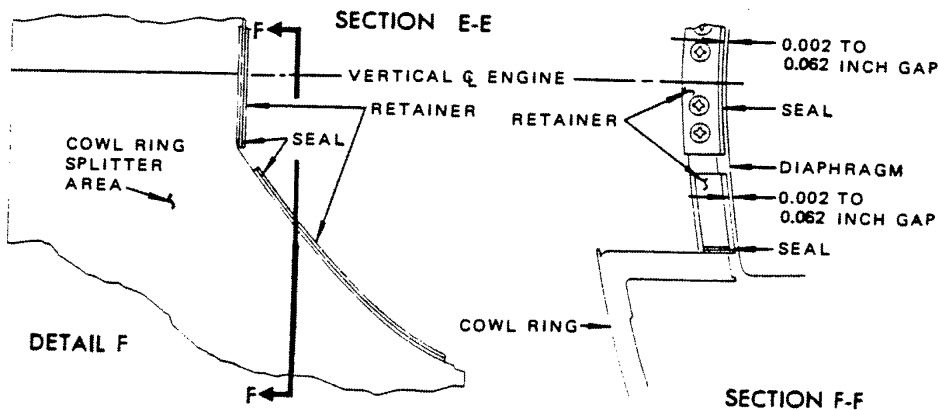
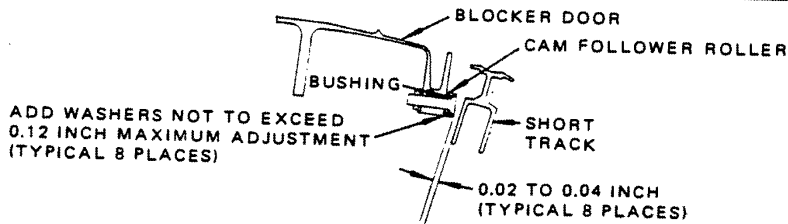
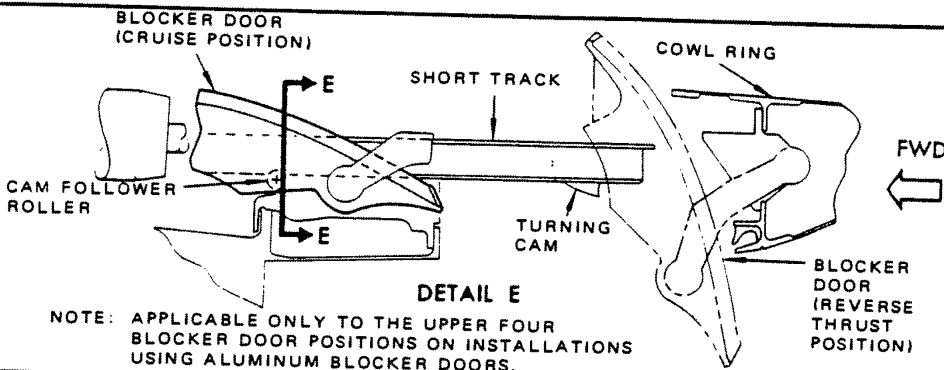
ENG 4 FWD THRUST REVERSER ADJUSTMENT

MAINT RII/INSP

**EFFECTIVITY
TURBOFAN**



**FORWARD THRUST REVERSER
IN FORWARD THRUST
POSITION**



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Forward Thrust Reverser Adjustment
Figure 501 (Sheet 4)

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