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| sabena [®] B707 | Module: ENGINE 3 | A/C Reg : | Check : |  P1F2000516 |
| | Oper. : RT-MP LC | | | |
| | Type : MEC-INSP | Issuer : A59513 | Cert.St.: 45379 | Page 1 of 9 |
| Spec. : MECHANIC | Release Date: 11.09.2008 | | | |

ENG 3 FWD THRUST REVERSER ADJUSTMENT

| | |
|-------------------------|--|
| Execution / Start Date: | |
| End Date: | |

| MAINT | RII/INSP |
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| sabena B707 | Module: ENGINE 3 | A/C Reg : | Check : |  P1F2000516 Page 2 of 9 |
| | Oper. : RT-MP LC | Issuer : A59513 | Cert.St.: 45379 | |
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ENG 3 FWD THRUST REVERSER ADJUSTMENT

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|--|----------|--------------------------|-------|---|-------|----------|--|
| Nr. | Hardtime | Task | Spec. | Related Documents | | | |
| 1. | | F1 M1 | MEC | AMM 78-5-1 PB 500 rev JUL 15/69 MMS-328 783003 A0203 rev 20.10.06 REF DFW EXP rev . | | | |
| Check: C | | | | | | | |
| Zones: 453 | | | | | | | |
| Access: | | | | | | | |
| NRC YES <input type="radio"/> NO <input type="radio"/> | | IF YES, NUMBER(S): | | | | | |

ENG 3 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 | |
|-----------|-------|


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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| | Type : MEC-INSP | Issuer : A59513 | Cert.St.: 45379 | P1F2000516 |
| | Spec. : MECHANIC | Release Date: 11.09.2008 | | Page 5 of 9 |

ENG 3 FWD THRUST REVERSER ADJUSTMENT

| | MAINT | RII/INSP |
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| <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 3 FWD THRUST REVERSER ADJUSTMENT

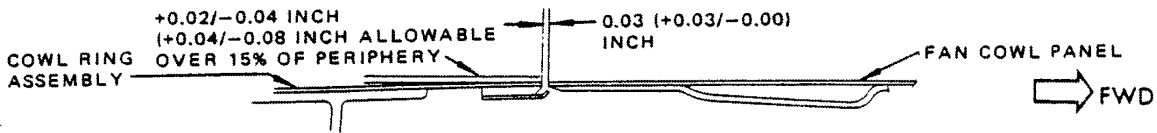
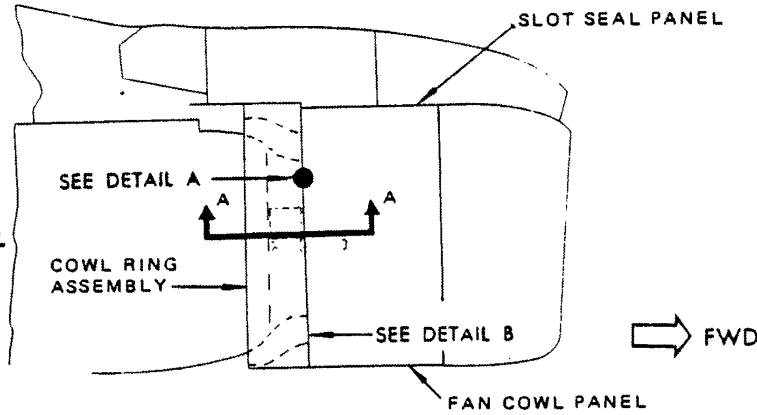
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| sabena B707 | Module: ENGINE 3 | A/C Reg : | Check : |  P1F2000516 Page 6 of 9 |
| | Oper. : RT-MP LC | Issuer : A59513 | Cert.St.: 45379 | |
| | Type : MEC-INSP | Release Date: 11.09.2008 | | |
| | Spec. : MECHANIC | | | |

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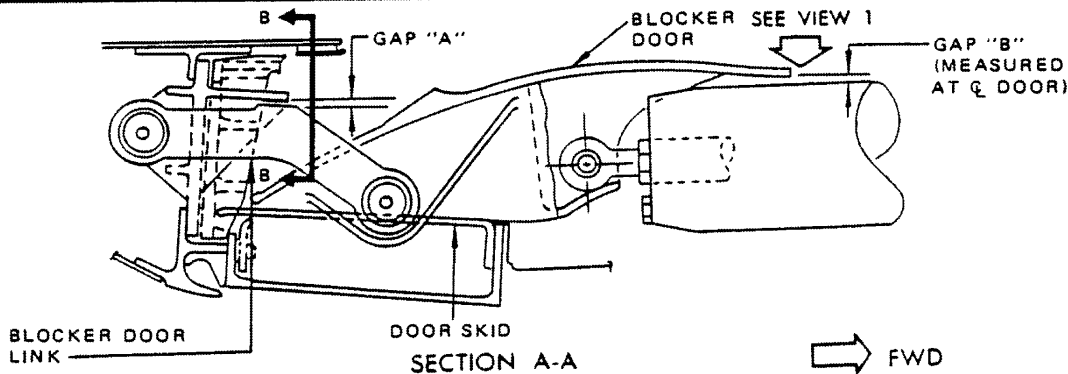
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MAINTENANCE MANUAL

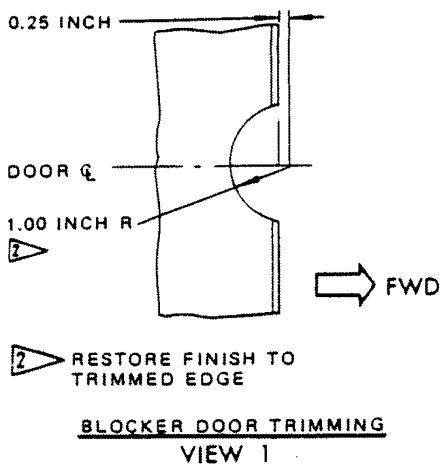
FORWARD THRUST
REVERSER IN FORWARD
THRUST POSITION



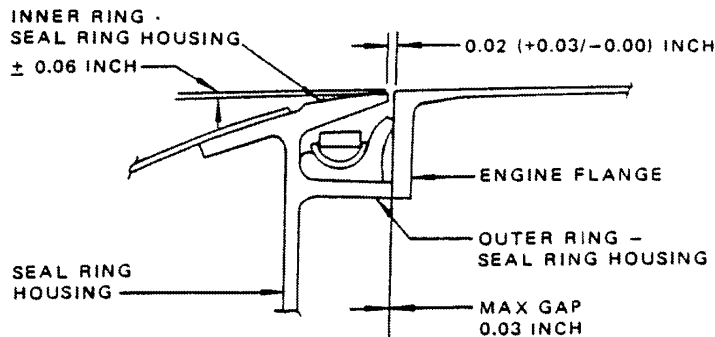
DETAIL A



SECTION A-A




BLOCKER DOOR TRIMMING
VIEW 1



DETAIL B

Forward Thrust Reverser Adjustment
Figure 501 (Sheet 1)

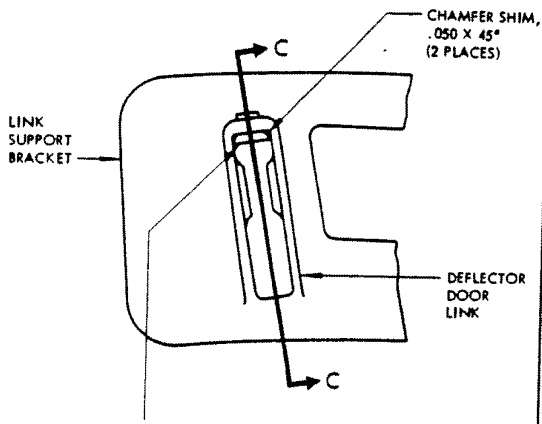
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Jul 15/68

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| sabena B707 | Module: ENGINE 3 | A/C Reg : | Check : |  P1F2000516 Page 7 of 9 |
| | Oper. : RT-MP LC | Issuer : A59513 | Cert.St.: 45379 | |
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ENG 3 FWD THRUST REVERSER ADJUSTMENT

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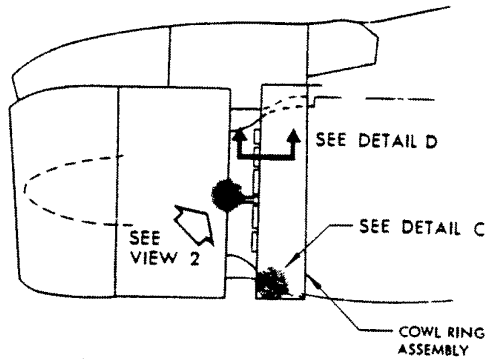
EFFECTIVITY
TURBOFAN



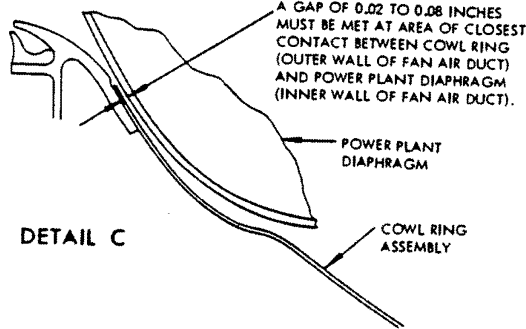
SHIM - MAKE FROM 2023-T3 OR T4 ALUM SHT OR USE BACS40C6-6 (3/8 X 3/8 BY 0.093 INCH LAMINATED ALUMINUM SHIM STOCK)

➔ FWD

SECTION B-B



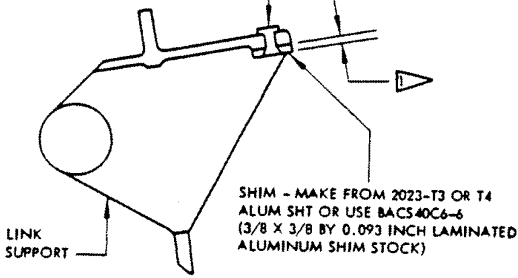
FORWARD THRUST REVERSER IN REVERSE THRUST POSITION



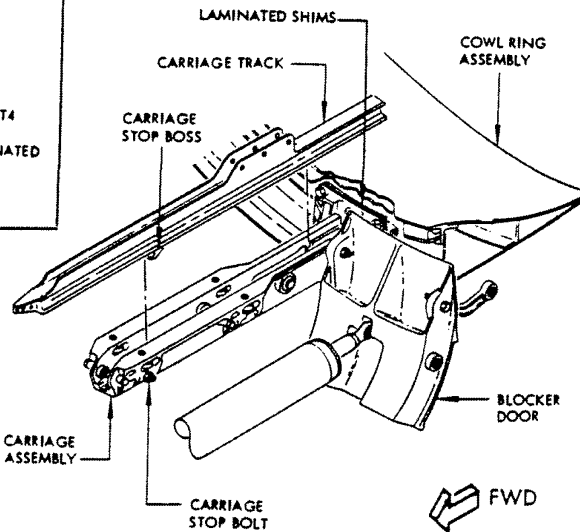
DETAIL C

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

➔ FWD



SECTION C-C



VIEW 2


➔ FWD

▶ 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.

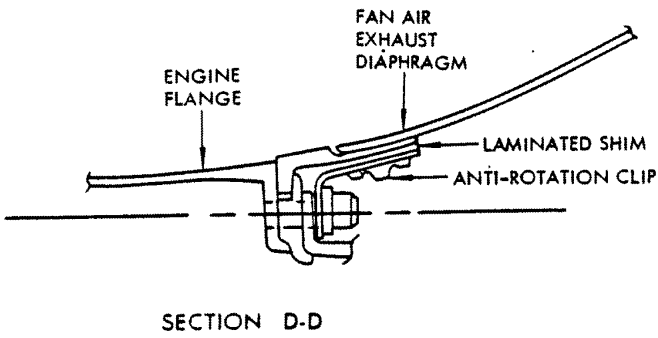
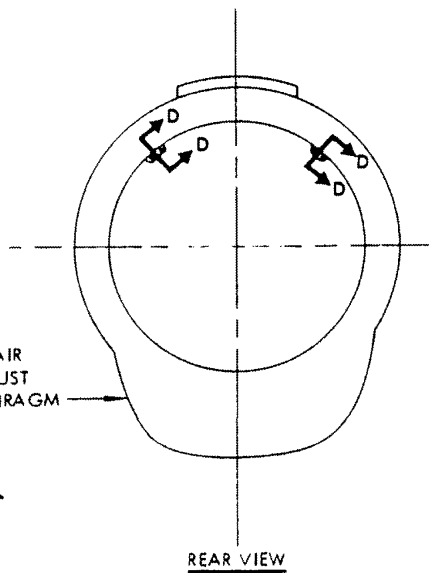
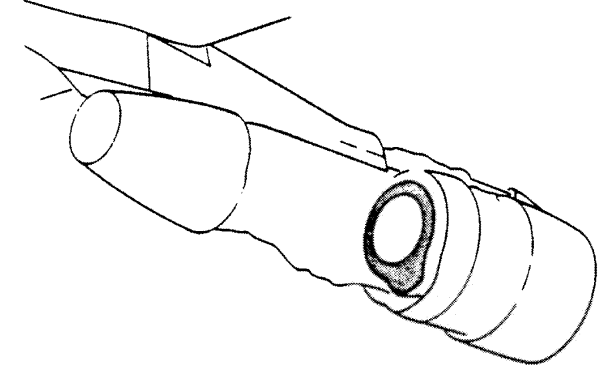
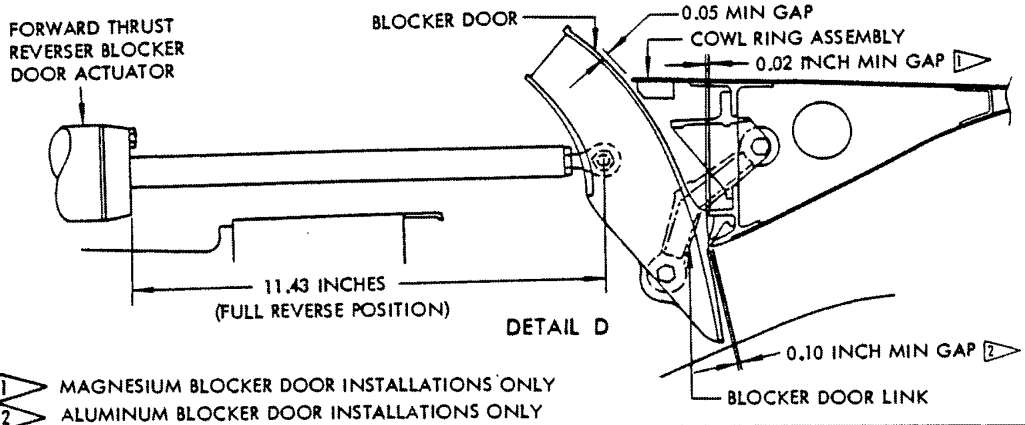
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Jul 15/69

Forward Thrust Reverser Adjustment
Figure 501 (Sheet 2)

78-5-1
Page 503

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|-----------------------|------------------|--------------------------|-----------------|--|
| sabena B707 | Module: ENGINE 3 | A/C Reg : | Check : |  P1F2000516 Page 8 of 9 |
| | Oper. : RT-MP LC | Issuer : A59513 | Cert.St.: 45379 | |
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ENG 3 FWD THRUST REVERSER ADJUSTMENT



Forward Thrust Reverser Adjustment
Figure 501 (Sheet 3)

24
Jul 15/69

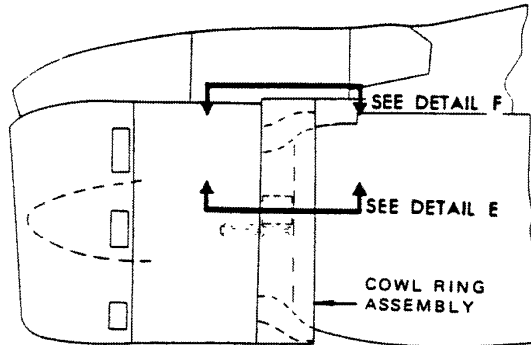
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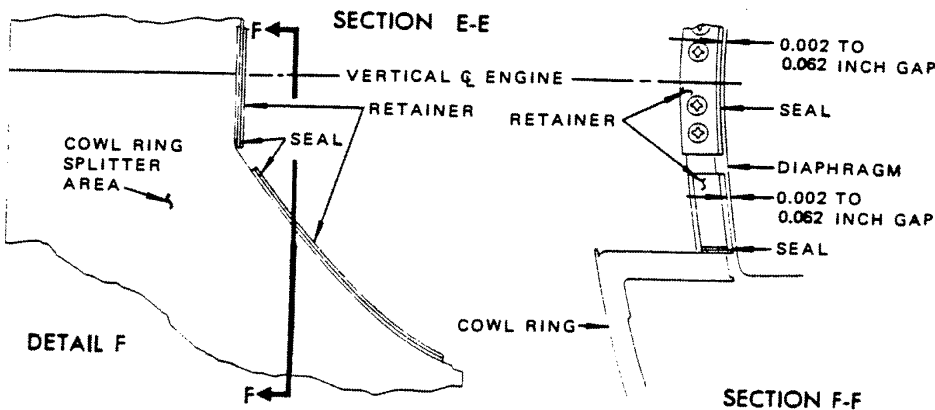
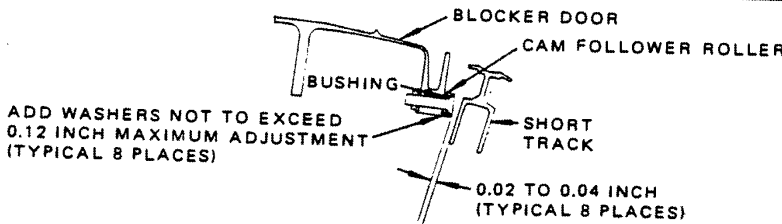
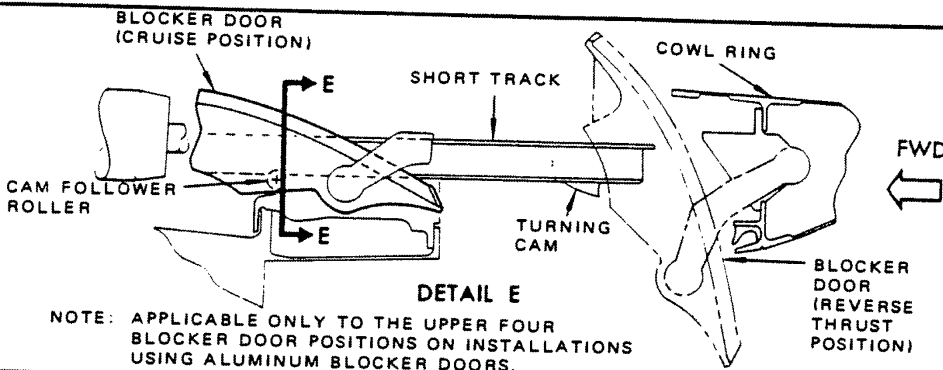
ENG 3 FWD THRUST REVERSER ADJUSTMENT

MAINT RII/INSP

**EFFECTIVITY
TURBOFAN**



**FORWARD THRUST REVERSER
IN FORWARD THRUST
POSITION**



24
Jul 15/69

Forward Thrust Reverser Adjustment
Figure 501 (Sheet 4)

78-5-1
Page 505