



sabena [®] B707	Module: GENERAL	A/C Reg :	Check :	
	Oper. : RT-MP LC			
	Type : MEC-INSP	Issuer : A43710	Cert.St.: 24828	01F2000500
Spec. : MECH. INSP	Release Date: 11.10.2001		Page 1 of 13	

FLT CTRL COORDINATION CHECK

Execution / Start Date:	
End Date:	

MAINT	RII/INSP

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FLT CTRL COORDINATION CHECK

MAINT RII/INSP

COORDINATE WITH A MAN AT CONTROL SURFACE.

1. T.E. FLAP CTRL SYSTEM: **CHECK FOR FREEDOM OF MOVEMENT OVER FULL OPERATING TRAVEL IN NORMAL & EMERGENCY MODE.**
(MS 275002 00100)


HYDRAULIC PWR = ON.

A. **NORMAL MODE**: PLACE FLAPS TO DOWN & TO UP & CHECK FOR FREEDOM OF MOVEMENT OVER FULL OPERATING TRAVEL.

B. **EMERGENCY MODE**:

<u>ACTION IN COCKPIT</u>	<u>OUTSIDE RESPONSE</u>
1. Emergency flap ctrl sw. ON	1. ———
2. Emerg. INBD & OUTBD Flap sw. DOWN (5 degrees Emerg. Flaps extension.)	2. Flaps EXTEND.
3. Emerg. INBD & OUTBD Flap sw. NORMAL	3. No MOVEMENT.
4. Emerg. INBD & OUTBD Flap sw. UP	4. Flaps RETRACT.
5. Emerg. INBD & OUTBD Flap sw. NORMAL	5. No MOVEMENT.
6. Emergency flap ctrl sw. OFF.	6. ———

CT. MEC	
CT. REI	

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2. CHECK NORMAL OPERATION OF L.E. FLAPS & SLATS FOR :


(MS 278001 00100)

- FULL RANGE OF SURFACE TRAVEL.
- CORRECT SEQUENCE & SMOOTH.
- FREE MOVEMENT OF SURFACES.

NOTE: PERFORM THIS ITEM TOGETHER WITH ITEM 1 ON PAGE 3
(T.E. FLAP CTRL SYST. pt. A = NORMAL MODE)

CT. MEC	
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COORDINATE WITH A MAN AT CONTROL SURFACE.

3. SPOILERS & SPEED BRAKE CONTROLS CHECK FOR:

(MS 276001 00100)


- FULL RANGE OF SURFACE TRAVEL.
- SMOOTH.
- FREE MOVEMENT OF SURFACES & CTRL LEVER.

<u>ACTION IN COCKPIT</u>	<u>OUTSIDE RESPONSE</u>
1. Speed Brake at 30°	1. All spoilers PART WAY UP
2. Speed Brake at 60°	2. All spoilers FULL UP.
3. Control wheel LEFT	3. LH spoilers UP. RH spoilers PART WAY UP
4. Control wheel RIGHT	4. RH spoilers UP. LH spoilers PART WAY UP
5. Control wheel NEUTRAL INBD & OUTBD spoilers BY-PASS SW's OFF	5. SPEED BRAKES FULL UP Spoilers INDB & OUTBD DOWN <u>Note:</u> For this check it is normal that BY-PASSED spoilers do not retract immediately.
6. Speed brake lever 0° Inbd & outbd spoilers BY-PASS sw's ON	6. Spoilers inbd & outbd DOWN.
7. Speed brake lever 30°	7. Spoilers PART WAY UP.
8. Flaps lever UP.	8. FLAPS RETRACT (UP).

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CT. MEC	
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4. AILERON & AILERON TRIM CTRL SYSTEM CHECK FOR:


(MS 271000 00200)

- FULL RANGE OF SURFACE TRAVEL.
- CTRL WHEEL & COLUMN FOR FREEDOM OF MOVEMENT.

MAINT RII/INSP

<u>ACTION IN COCKPIT</u>	<u>OUTSIDE RESPONSE</u>
1. Aileron trim L.W.D.	1. LH. CTRL TAB DOWN & RH. CTRL TAB UP.
2. Aileron trim R.W.D.	2. LH. CTRL TAB UP & RH. CTRL TAB DOWN.
3. Aileron trim NEUTRAL.	3. CNTRL TABS NEUTRAL.
4. Cntrl wheel LEFT.	4. LH INBD AIL. UP / TAB DOWN / SPOILERS UP RH INBD AIL. DOWN / TAB UP/ SPOILERS PART WAY DOWN
5. Cntrl wheel RIGHT	5. LH INDB AIL. DOWN /TAB UP/ SPOILERS PART WAY DOWN RH INBD AIL. UP / TAB DOWN / SPOILERS UP.
6. Speed brake lever 0°	6. SPEED BRAKE DOWN.
7. Flaps 14°	7. Flaps EXTEND.
8. L.E.Flaps extended light ON	8. ———
9. Flaps 25°	9. Flaps EXTEND.
10. Cntrl wheel LEFT	10. LH OUTBD AIL. UP / BALANCE TAB DOWN. RH OUTBD AIL. DOWN / BALANCE TAB UP.
11. Cntrl wheel RIGHT.	11. LH OUTBD AIL. DOWN / BALANCE TAB UP. RH OUTBD AIL. UP / BALANCE TAB DOWN.
12. Cntrl wheel NEUTRAL	12. NEUTRAL.
13. Flaps UP	13. Flaps UP.

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CT. REI	

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COORDINATE WITH A MAN AT CONTROL SURFACE.

5. ELEVATOR & TAB CONTROL CHECK FOR:


(MS 273002 00100)

- FULL RANGE OF SURFACE TRAVEL.
- CTRL COLUMN FOR FREEDOM OF MOVEMENT.

<u>ACTION IN COCKPIT</u>	<u>OUTSIDE RESPONSE</u>
1. Stick FORWARD	1. TABS UP / ELEVATOR DOWN
2. Stick AFT	2. TABS DOWN / ELEVATOR UP <u>Note:</u> It's possible that elevator doesn't move or partially moves
3. Stick NEUTRAL	3. NEUTRAL

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CT. REI	

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COORDINATE WITH A MAN AT CONTROL SURFACE.

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**6. MANUAL & ELECT. OPERATION OF STABILIZER TRIM CONTROLS CHECK FOR:
(MS 274007 00100)**

- FULL RANGE OF STABILIZER TRAVEL.
- SMOOTH
- FREE MOVEMENT OF STABILIZER & CONTROLS

A. ELECTRICAL OPERATION:


ACTION IN COCKPIT	OUTSIDE RESPONSE
1. Capt's trim sw FULL NOSE UP: - Stab.trim light = ON - Trim wheel rotation in nose UP direction while actuating trim sw - Place trim cut-out sw lever to CUT-OUT: Stabilizer does not operate.	1. Stabilizer L.E MOVES DOWN
2. F/O 's trim sw FULL NOSE DOWN: - Stab.trim light = ON - Trim wheel rotation in nose DOWN direction while actuating trim sw - Place trim cut-out sw lever to CUT-OUT: Stabilizer does not operate	2. Stabilizer L.E MOVES UP

B. MANUAL OPERATION:

Rotate manual stabilizer NOSE UP & NOSE DOWN:

CHECK: FOR FULL RANGE OF STABILIZER TRAVEL, SMOOTH & FREE MOVEMENT IN BOTH DIRECTIONS.

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CT. REI	

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COORDINATE WITH A MAN AT CONTROL SURFACE.


**7. RUDDER & RUDDER TRIM CONTROL & PEDAL ADJUSTMENT CONTROL CHECK FOR:
(MS 272000 00100)**

- FULL RANGE OF SURFACE TRAVEL.
- SMOOTH.
- FREE MOVEMENT OF SURFACE & CONTROLS.

<u>ACTION IN COCKPIT</u>	<u>OUTSIDE RESPONSE</u>
1. Rudder hydr.pwr ON	1. ———
2. Rudder trim nose LEFT	2. TAB LEFT / RUDDER LEFT
3. Rudder trim nose RIGHT	3. TAB RIGHT / RUDDER RIGHT
4. Rudder trim NEUTRAL	4. RUDDER + TAB = NEUTRAL
5. Left pedal FULL FWD	5. TAB LEFT / RUDDER LEFT
6. Right pedal FULL FWD	6. TAB RIGHT / RUDDER RIGHT
7. Rudder pedal NEUTRAL	7. RUDDER + TAB = NEUTRAL
8. Rudder hydr.pwr OFF	8. ———
9. Left pedal FULL FWD	9. TAB RIGHT / RUDDER LEFT
10. Right pedal FULL FWD	10. TAB LEFT / RUDDER RIGHT
11. Rudder pedal NEUTRAL	11. RUDDER + TAB = NEUTRAL
12. Operate rudder pedals through full travel & check for SENSITIVITY & check for PRESS. FLUCTUATION	12.

CT. MEC	
CT. REI	

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8. WARNING SYSTEM TEST:

Perform this check with: – HYDRAULIC SYSTEM PRESSURIZED.
– ATTITUDE WARNING BRAKES PULLED.

<u>ACTION</u>	<u>RESULT</u>
1. NO.3 Thrust lever: advance 3/4	1. ———
2. Flaps selector 0	2.– Flaps 0 degrees – T.O.WARNING HORN: INTERMITTENT
3. Flaps selector 14	3.– Flaps 14 degrees – T.O.WARNING HORN: SILENT
4. Speed brake sel. 10 degrees	4.– T.O.WARNING HORN: INTERMITTENT
5. Speed brake sel. 0	5.– T.O.WARNING HORN: SILENT
6. Stab.trim sw. NOSE UP & OUTSIDE GREEN BAND	6.– T.O.WARNING HORN: INTERMITTENT
7. Stab.trim sw. NOSE DOWN & OUTSIDE GREEN BAND	7.– T.O.WARNING HORN: INTERMITTENT
8. Stab.trim sw. NOSE UP & WITHIN GREEN BAND	8.– T.O.WARNING HORN: SILENT
9. Flaps selector 25	9.– Flaps 25 degrees – T.O.WARNING HORN: INTERMITTENT
10. NO.3 Thrust lever: IDLE	10.– T.O.WARNING HORN: SILENT
11. Flaps selector 0	11.– Flaps 0 degrees

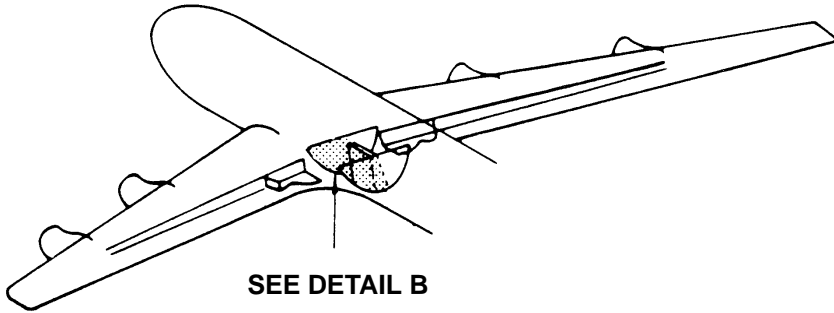
After test CLOSE ATTITUDE WARNING C/B's.

CT. MEC	
CT. REI	

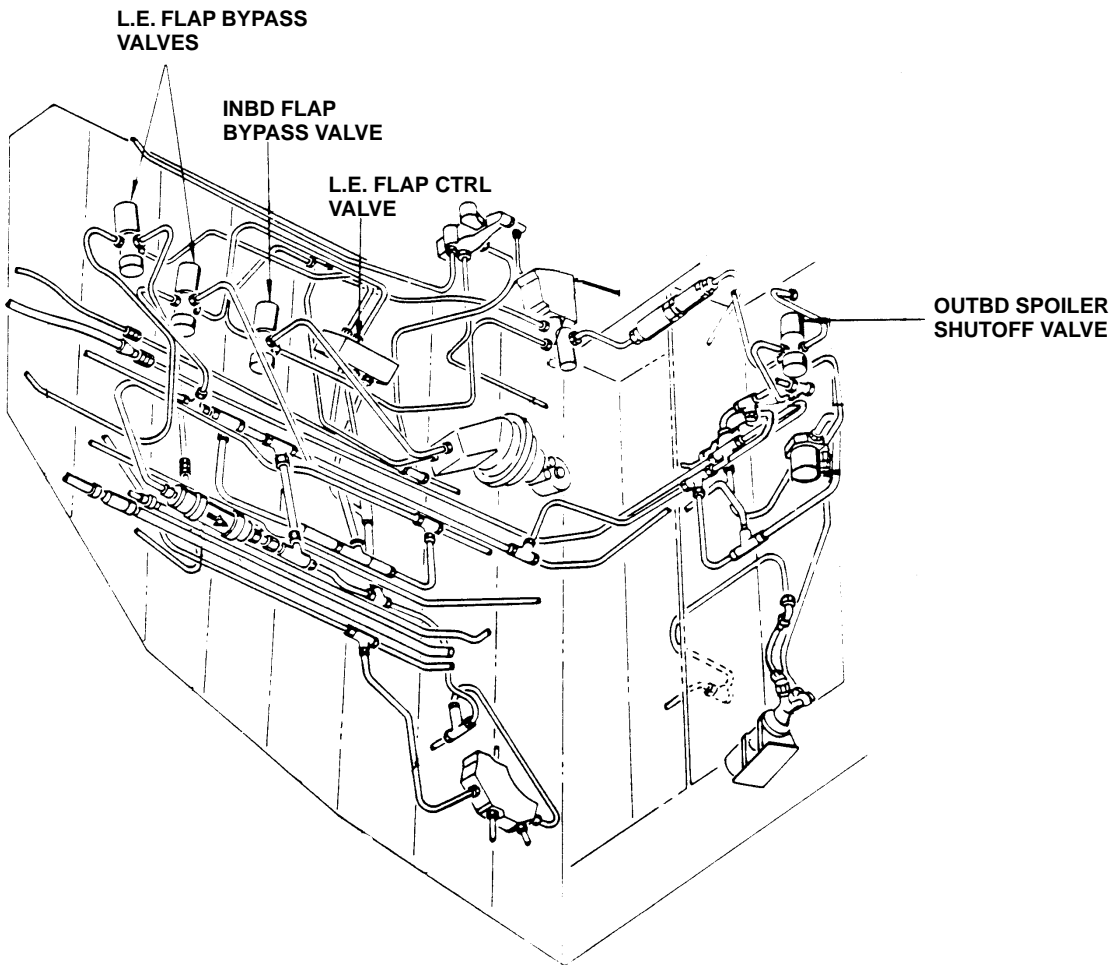
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SEE DETAIL B

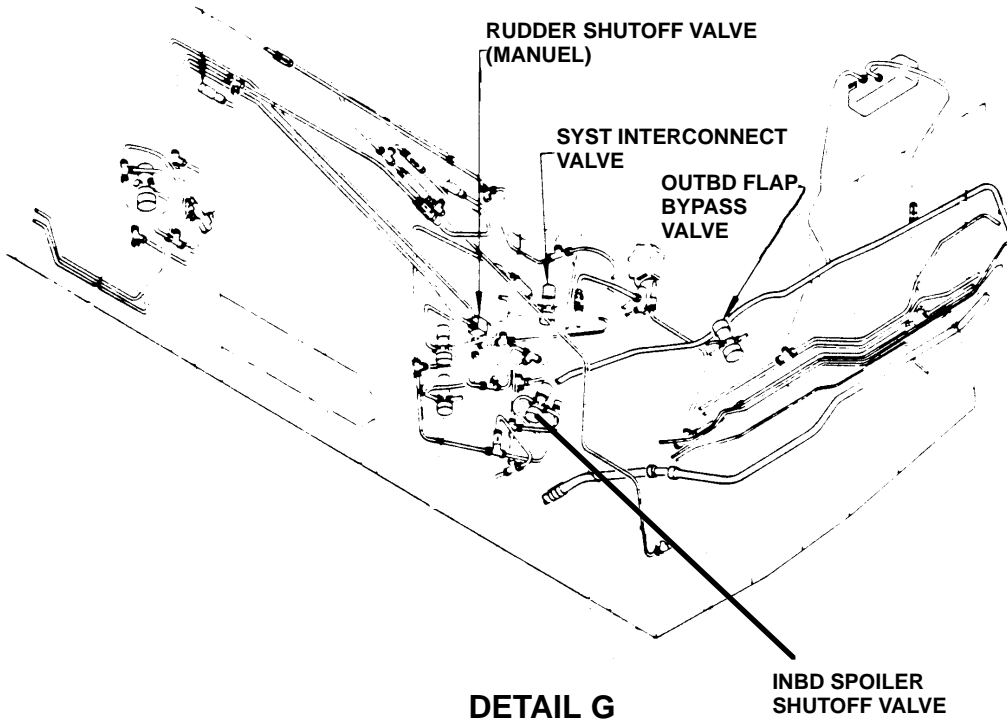
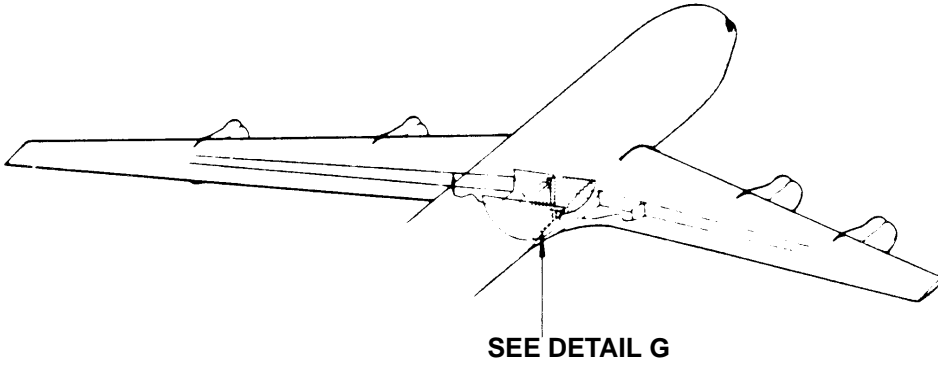



DETAIL B

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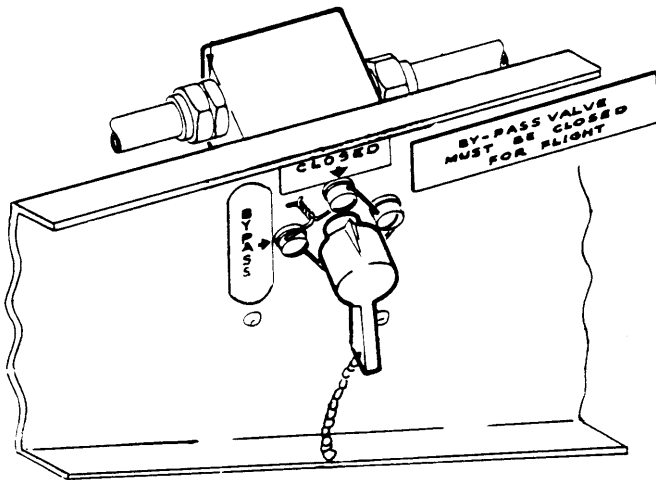
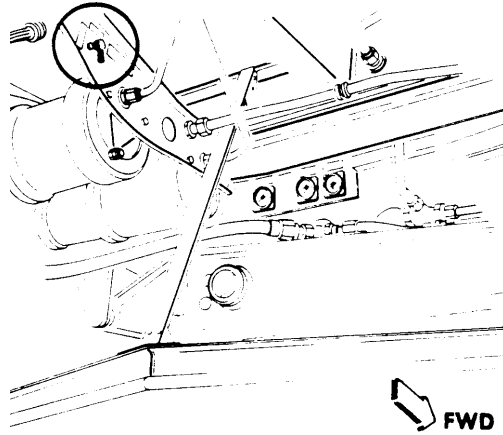
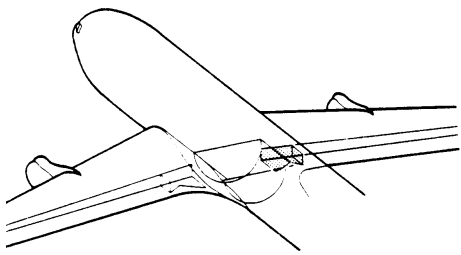
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HYDRAULIC MANUAL BY-PASS VALVE