



sabena B707	Module: NLG WW + DOORS	A/C Reg :	Check :	
	Oper. : RT-MP LC			
	Type : *OPER./FUNC. CHE	Issuer : A43710	Cert.St.: 24828	G1K0000500
Spec. : MECHANIC	Release Date: 16.10.2001		Page 1 of 3	

STEERING F/C

Execution / Start Date:	
End Date:	

MAINT **RII/INSP**


Pos	Mat. Type	P/N	IDN	Description	Qty	Unit
1	TOOL	F70110-18-50		PROTACTOR	1.00	EA
1	TOOL	P-431A		SPRING SCALE	0.00	

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					MAINT	RII/INSP
Nr.	Hardtime	Task	Spec.	Related Documents		
1.		F2	MEC	MM 32-8-0* rev . MMS-328 325001 00100 rev 15/05/01 MPD 04-32-15 rev .		
Check: C1						
Zones: 131						
Access:						
<u>STEERING SYSTEM FUNCTIONAL CHECK. ref: MM 32-8-0</u>						
<u>1. Prepare for testing.</u>						
A) Jack nose until wheels are clear. Wheels will be centered by centering cams inside shock strut.						
<u>CAUTION: DO NOT TURN STEERING WHEEL WITH NOSE GEAR FULLY EXTENDED.</u>						
B) Place metal sheet sandwiched with grease under nose wheels and lower aircraft until shock strut has been compressed at least 4 inches.						
C) Disconnect door actuator rods from nose gear door by removing actuator rod-pull pin.						
<u>2. Test steering rate.</u>						
A) Pressurise hydraulic power.						
B) With steering wheel centered, turn steering as rapidly as possible to one extreme of travel. Total time required for complete (left or right) angular travel of nose wheel shall be 4 (+/-2) seconds.						
<u>3. Test steering linkage play.</u>						
With steering wheel and nose gear centered, turn steering wheel left and right. Check that play in either direction does not exceed 1-1/2 degrees from center and total play trough center does not exceed 3 degrees before nose gear begins to turn.						
<u>4. Test castering and steering wheel centering.</u>						
A) Pressurise hydraulic power.						
B) With the steering wheel unrestrained, simulate castering by manually turning nose wheel throughout its travel range. The steering wheel movement shall closely follow the movement of the nose gear wheel.						
C) Restrain the steering wheel in any position. Nose wheel movement shall be restrained.						
D) With nose wheel centered, hydraulic power OFF and system depressurised, turn steering wheel trough approx. 10 degrees (left or right) and release. The steering wheel shall return to neutral smoothly without binding or sticking.						

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<u>5. Test angle travel.</u>		
A) With hydraulic system pressurised or depressurised, manually turn nose wheel (left/right) until the stop is reached.		
B) The angle of travel from centered position shall be 60° (+/-2°).		
<u>6. Test steering wheel loads.</u>		
A) Pressurise hydraulic power.		
B) Check that the load on the rim of the steering wheel required to move the steering wheel throughout complete travel way'll be 15 pounds max.		
NOTE: If load exceed 15 pounds, check system for cables binding, tight bearing, etc... and repair or replace as necessary.		

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