



sabena B707	Module: GENERAL	A/C Reg :	Check :	
	Oper. : PROC.	Issuer : A59513	Cert.St.: 46928	
	Type : ENGINE TRIM	Release Date: 29.11.2005	Page 1 of 7	
Spec. : REI INSP				

STATIC ENG PERF CHECK & EGT/EPR INDICATING FUNCT

Execution / Start Date:	
End Date:	

MAINT RII/INSP

Pos	Mat. Type	P/N	IDN	Description	Qty	Unit
1	TOOL		EPR TESTER	0.00	
1	TOOL	..		LOW VOLTAGE TESTER	0.00	
1	TOOL	...		MICROVOLTAGE CALIBRATED TESTER	0.00	
1	TOOL	.		MULTIMETER TESTER 200 OHMS	0.00	

sabena B707	Module: GENERAL	A/C Reg :	Check :	 06O6000501 Page 2 of 7
	Oper. : PROC.	Issuer : A59513	Cert.St.: 46928	
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STATIC ENG PERF CHECK & EGT/EPR INDICATING FUNCT

					MAINT	RII/INSP
Nr.	Hardtime	Task	Spec.	Related Documents		
1.		F2	INS	MMS-328 771001 A0101 rev 14/12/01 MMS-328 771001 A0102 rev 14/12/01 MMS-328 771001 A0103 rev 14/12/01 MMS-328 771001 A0104 rev 14/12/01 SAB 77-222 rev 15/05/01		
Check: C						
Zones: 451, 452, 453, 454						
Access:						
NRC YES <input type="radio"/> NO <input type="radio"/> IF YES, NUMBER(S):						

A. EGT indicator circuit continuity check.

- a) Remove EGT indicator & disconnect connector from EGT indicator.
- b) Perform continuity check according table herewith & record data's.

Recorded values should be lower than **200 Ohms.**

	<u>Engine 1</u>	<u>Engine 2</u>	<u>Engine 3</u>	<u>Engine 4</u>
Serial number				

Record value.

	LOCATION RD 9056	RECORDED	
<u>Engine 1</u>	Between PIN E & F		Ohms
<u>Engine 2</u>	Between PIN M & N		Ohms
<u>Engine 3</u>	Between PIN V & W		Ohms
<u>Engine 4</u>	Between PIN c & d		Ohms


B. EGT wiring isolation test.

- a) At eng fireseal nacelle (STA 174), disconnect wire from EGT harness.
Averaging circuit connector terminals (see fig 01).

On wire side:

TEST BETWEEN	ISOLA-TION VALUE	<u>Engine 1</u>	<u>Engine 2</u>	<u>Engine 3</u>	<u>Engine 4</u>	
CHROMEL & ALUMEL	> 1 K Ohms					Ohms
CHROMEL & GROUND	> 1 K Ohms					Ohms
ALUMEL & GROUND	> 1 K Ohms					Ohms

STATIC ENG PERF CHECK & EGT/EPR INDICATING FUNCT

sabena B707	Module: GENERAL	A/C Reg :	Check :	 06O6000501 Page 3 of 7
	Oper. : PROC.	Issuer : A59513	Cert.St.: 46928	
	Type : ENGINE TRIM	Release Date: 29.11.2005		
Spec. : REI INSP				

STATIC ENG PERF CHECK & EGT/EPR INDICATING FUNCT

On thermocouple harness side:

TEST BETWEEN	ISOLA-TION VALUE	<u>Engine 1</u>	<u>Engine 2</u>	<u>Engine 3</u>	<u>Engine 4</u>	
THERMO & GROUND	> 50,000 Ohms					Ohms

C. EGT indicator static calibration test.

- a) Reconnect EGT connector & Install EGT indicator.
 Disconnect thermocouple from averaging circuit connector terminal.
 Connect tester to EGT wires, (see fig 01).


Record values.

APPLIED	<u>Engine 1</u>	<u>Engine 2</u>	<u>Engine 3</u>	<u>Engine 4</u>
0° C				
100° C				
150° C				
200° C				
250° C				
300° C				
360° C				
400° C				
440° C				
500° C				
540° C				
560° C				
600° C				

- e) Reconnect wires to EGT harness.

D. EPR transmitter func test.

- a) Install EPR tester between Pt2 & Pt7, (see fig 02).

sabena B707	Module: GENERAL	A/C Reg :	Check :	 06O6000501 Page 4 of 7
	Oper. : PROC.	Issuer : A59513	Cert.St.: 46928	
	Type : ENGINE TRIM	Release Date: 29.11.2005		
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STATIC ENG PERF CHECK & EGT/EPR INDICATING FUNCT

Record values.

LEVEL SETTING	KNOTS	NORMAL EPR	<u>EPR 1</u>	<u>EPR 2</u>	<u>EPR 3</u>	<u>EPR 4</u>
- 74 FEET	744	2.2				
- 74 FEET	692	2.0				
- 74 FEET	518	1.5				
35,14 FEET	432	2.43				
35,14 FEET	368	2.0				
35,14 FEET	265	1.5				

NOTE: That **0.02 lower EPR** may be result in a **6 ° C higher EGT**.

c) Remove EPR tester, & reconnect all.

E. Perform engine RUN-UP.

a) At following conditions:

All EPR ==> 1.05.

ENG 2 & ENG 3 Turbo/Compressor ==> ON.

ENG 4 Turbo/Compressor ==> OFF.

b) Stabilize engine parameters during 3 minutes.

c) Record the following parameters:

OAT	° C
Ambiant Pressure	HG

	Engine 1	Engine 2	Engine 3	Engine 4
serial number				
EPR				
N1				
N2				
Fuel flow				
EGT				


b) At following conditions:

All EPR ==> 1.75.

ENG 2 & ENG 3 Turbo/Compressor ==> ON.

ENG 4 Turbo/Compressor ==> OFF.

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	Type : ENGINE TRIM	Issuer : A59513	Cert.St.: 46928	06O6000501
Spec. : REI INSP	Release Date: 29.11.2005		Page 5 of 7	

STATIC ENG PERF CHECK & EGT/EPR INDICATING FUNCT


- b) Stabilize engine parameters during **3 minutes.**
- c) Record the following parameters:

OAT	° C
Ambiant Pressure	HG

	<u>Engine 1</u>	<u>Engine 2</u>	<u>Engine 3</u>	<u>Engine 4</u>
serial number				
EPR				
N1				
N2				
Fuel flow				
EGT				

Send results to Sabena Technics fax :4730.

MAINT **RII/INSP**

sabena B707	Module: GENERAL	A/C Reg :	Check :	 06O6000501 Page 6 of 7
	Oper. : PROC.			
	Type : ENGINE TRIM	Issuer : A59513	Cert.St.: 46928	
	Spec. : REI INSP	Release Date: 29.11.2005		

STATIC ENG PERF CHECK & EGT/EPR INDICATING FUNCT

MAINT	RII/INSP
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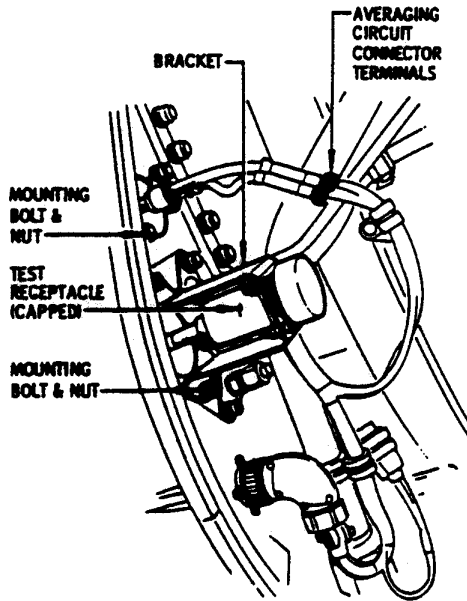
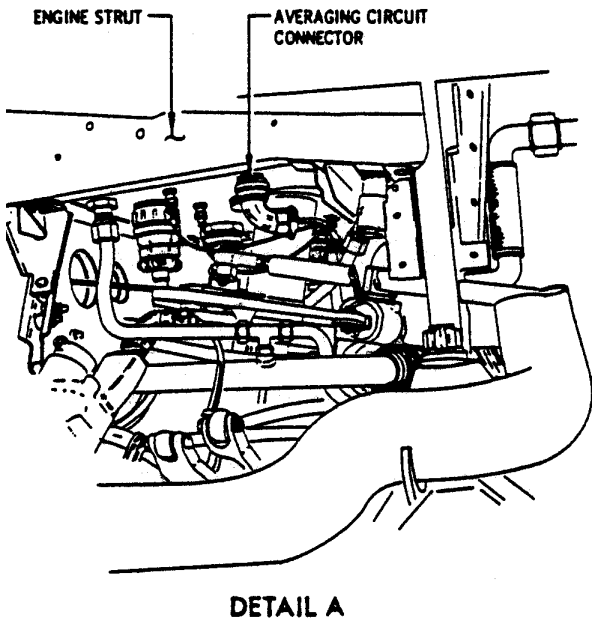
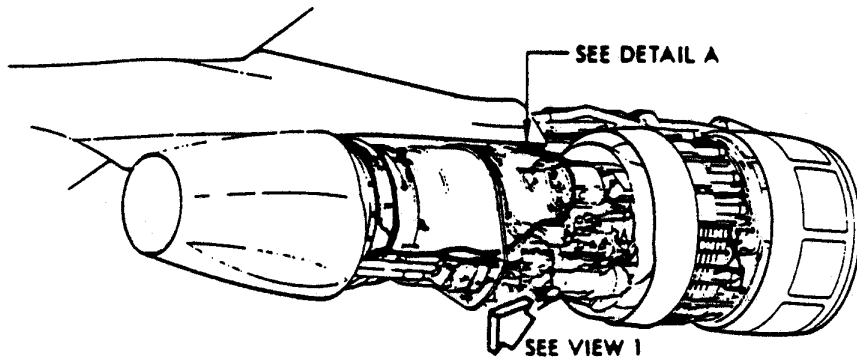



fig 01

VIEW 1

sabena B707	Module: GENERAL	A/C Reg :	Check :	 06O6000501 Page 7 of 7
	Oper. : PROC.			
	Type : ENGINE TRIM	Issuer : A59513	Cert.St.: 46928	
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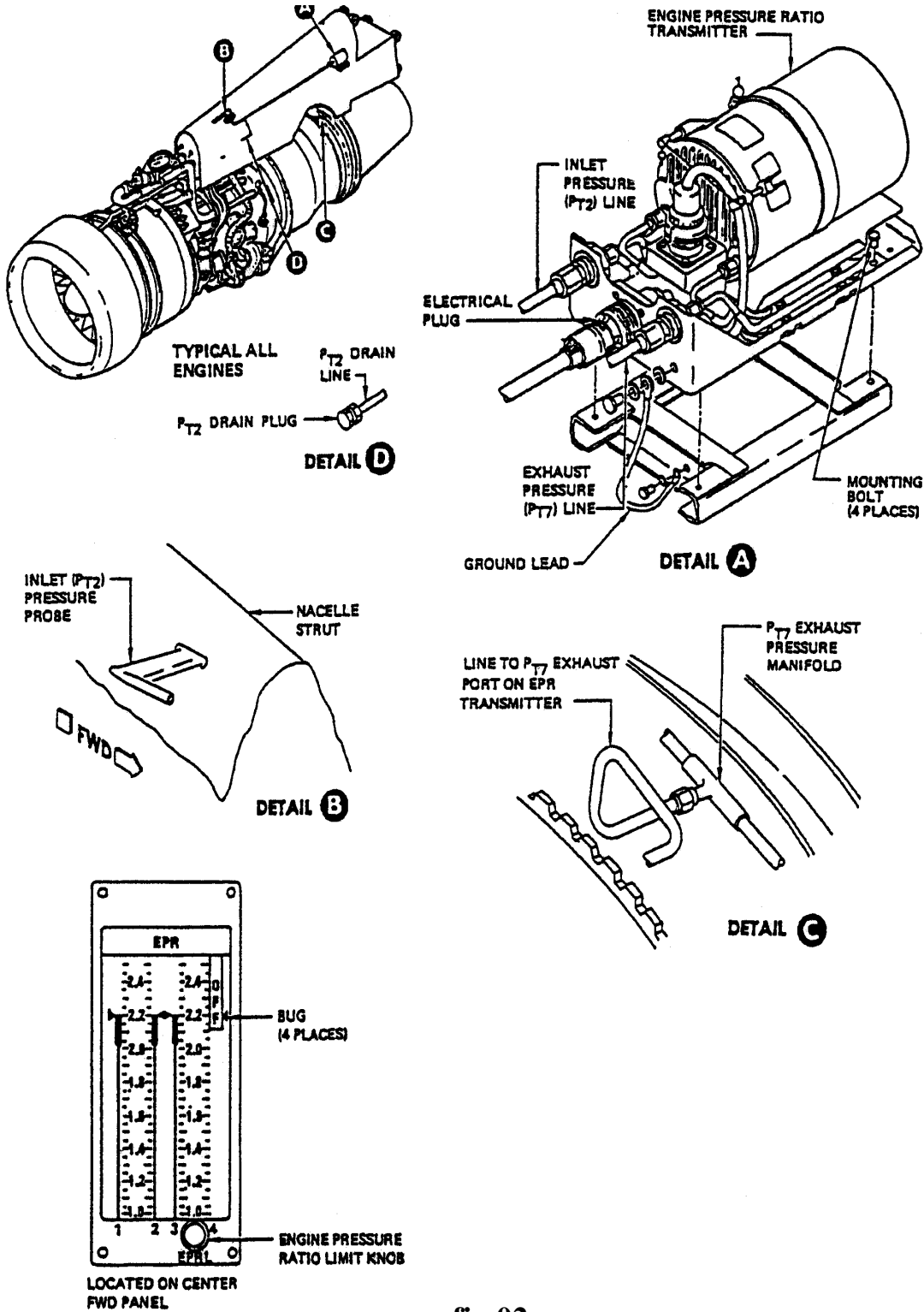


fig 02