	STAT	ION											BO	EING CARD NO.
	TAIL	N0.					$\boldsymbol{\alpha}$		BOEIN				77-F	803
		TE			S	AS	AS 767						AIF	RLINE CARD NO.
	DA	15							TASK CARD					
SKILL	-	W	ORK ARE	ËA	REL	ATED TASK			INTERVAL			PHASE	MPD REV	TASK CARD REVISION
ENGI	IN TASK		N EE	CTR			TITLE			STRUCTURAL ILLUST	RATION REI	FERENCE	007	AUG 22/00
REF	PLA	Ε		ENGI	NE SPE	EED CA	RD						AIRPLA	
		ZON	ES							ACCESS PANELS			ALL	4000
120)					119A	L							
MECH	INSP													MPD ITEM NUMBER
							ED CARD	`					N77 1	2-01-4A
		RE	PLAU	,	ENGI	NE SPE	ED CARD						N((-	2-01-4A
									VINTENANCE TAS					
		C	ONVE	NIENC	E DUR	ING UN	SCHEDUL	ED	MAINTENANCE A	CTIVITIES.	SEE			
									NCE PLANNING [[PTION OF THE					
				E CAR										
		1.	Gen	<u>neral</u>										
			Α.	This	proce	edure	has two	o ta	asks. The fir	st task rem	oves t	the eng	gine s	speed
				card	. The	e seco	nd task	k ir	nstalls the er	ngine speed	card.			
			Β.		-	•	d card he nose		found on the neel.	P50 panel i	n the	main (equipn	nent
		2.	Rem	<u>nove t</u>	he End	aine S	peed Ca	ard						
			Α.	Refe	rences	6								
				(1)	AMM (06-41-	00/201 ,	, Fi	uselage Access	Doors and	Panels	6		
				(2)	AMM 2	20-10-	01/401,	, E/	'E Rack Mounte	ed Component	S			
				(3)	AMM 2	20-41-	01/201,	, El	lectrostatic [ischarge Se	nsitiv	ve Dev	ices	
			Β.	Acce	SS									
			С.	Prep	are to	o Remo	ve the	Eng	gine Speed Car	d (Fig. 401).			
				(1)					, open these o ach the DO-NOT			on the	overł	nead
					(a)	11D15	, ENGIN	NE S	SPEED SENSE L2	2				
EFFE	ЕСТІ	IVIT	Y -					_	REPLACE	ENGINE SPE	ED CA	20		
									N77-12-01-4A	77-R03	P <i>I</i>	AGE 1	OF 5	5 AUG 22/00

BOEING	CARD	NO.
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	(BOEING							
		SAS 767 AIRLINE CARD NO.						
				TASK CARD				
MECH	INSP	-						
				(b) 11D23, ENGINE SPEED SENSE L1				
				(2) For the right engine, open these circuit breakers on the overhead panel, P11, and attach the DO-NOT-CLOSE tags:				
				(a) 11D16, ENGINE SPEED SENSE R2				
				(b) 11D24, ENGINE SPEED SENSE R1				
			D.	Remove the Engine Speed Card (Fig. 401).				
				(1) Go into the main equipment center through the access panel, 119AL (AMM 06-41-00/201).				
				<u>CAUTION</u> : DO NOT TOUCH THE ENGINE SPEED CARD BEFORE YOU DO THE PROCEDURE FOR DEVICES THAT ARE SENSITIVE TO ELECTROSTATIC DISCHARGE (AMM 20-41-01). ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE ENGINE SPEED CARD.				
				(2) Do the procedure for devices that are sensitive to electrostatic discharge (AMM 20-41-01/201).				
				(3) Remove the engine speed card (AMM 20-10-01/401).				
		3.	Ins	tall the Engine Speed Card				
			Α.	References				
			^.					
				(1) AMM 06-41-00/201, Fuselage Access Doors and Panels				
				(2) AMM 20-10-01/401, E/E Rack Mounted Components				
				(3) AMM 20-41-01/201, Electrostatic Discharge Sensitive Devices				
				(4) AMM 24-22-00/201, Electrical Power				
			в.	Access				
			c.	Install the Engine Speed Card (Fig. 401).				
				(1) Go into the main equipment center through the access panel, 119AL (AMM 06-41-00/201).				
EFF	ECTI	νιτγ	-	REPLACE ENGINE SPEED CARD				
				N77-12-01-4A 77-R03 PAGE 2 OF 5 AUG 22/00				

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77-R03



AIRLINE CARD NO.

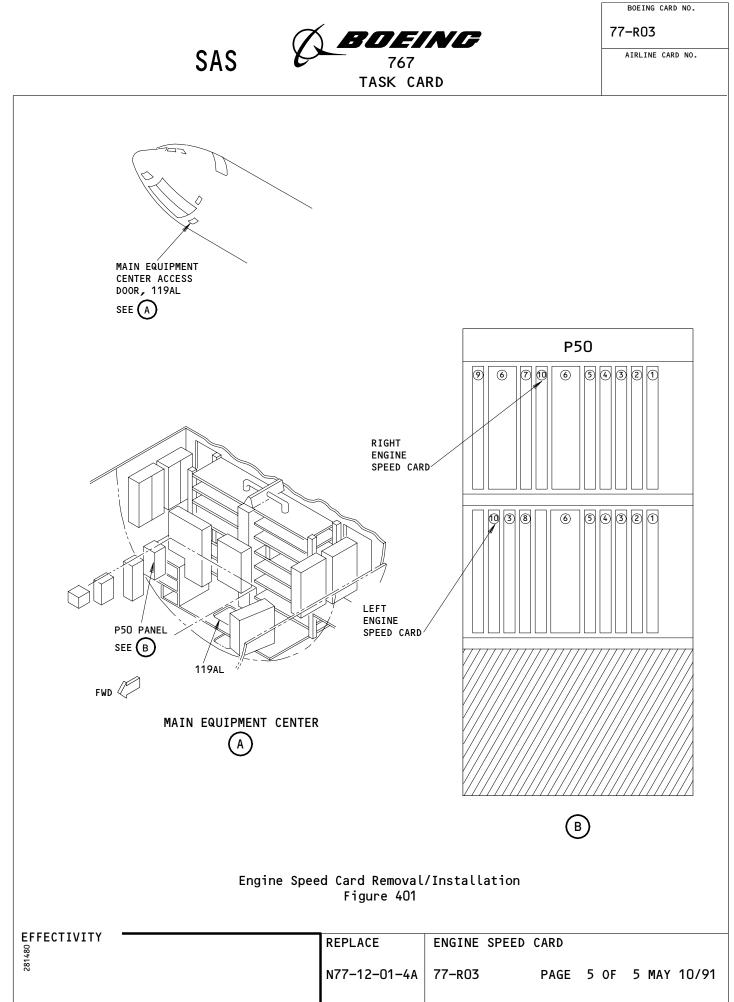
MECH	INSP								
		<u>CAUT</u>	<u>ION</u> : DO NOT TOUCH THE ENGINE SPEED CARD BEFORE YOU DO THE PROCEDURE FOR DEVICES THAT ARE SENSITIVE TO ELECTROSTATIC DISCHARGE (AMM 20-41-01). ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE ENGINE SPEED CARD.						
		(2)	Do the procedure for devices that are sensitive to electrostatic discharge (AMM 20-41-01/201).						
		(3)	Install the engine speed card (AMM 20–10–01/401).						
		(4)	For the left engine, remove the DO-NOT-CLOSE tags and close these circuit breakers on the overhead panel, P11:						
			(a) 11D15, ENGINE SPEED SENSE L2						
			(b) 11D23, ENGINE SPEED SENSE L1						
		(5)	For the right engine, remove the DO–NOT–CLOSE tags and close these circuit breakers on the overhead panel, P11.						
			(a) 11D16, ENGINE SPEED SENSE R2						
			(b) 11D24, ENGINE SPEED SENSE R1						
		(6)	Supply electrical power (AMM 24-22-00/201).						
		(7)	Erase the EICAS maintenance page and make sure the applicable EICAS message, L(R) ENG SPEED CARD, does not show.						
		(8)	Put the channel 1 switch on the N2 speed card to the TEST position.						
		(9)	Make sure the applicable EICAS message, L(R) ENG SPEED CARD, shows after 5 to 15 seconds.						
		(10)	Put the channel 1 switch back to the NORMAL position.						
		 (11) Erase the EICAS maintenance page and make sure the applicable EICAS message, L(R) ENG SPEED CARD, does not show. <u>CAUTION</u>: DO NOT OPERATE THE CHANNEL 2 TEST SWITCH MORE THAN 30 SECONDS IN EACH 5 MINUTES. IF YOU OPERATE IT FOR MORE THAN 30 SECONDS, DAMAGE TO THE PROBE HEATER FOR THE ENGINE INLET CAN OCCUR. 							
EFF	ECTIVI	тү	REPLACE ENGINE SPEED CARD						
			N77-12-01-4A 77-R03 PAGE 3 OF 5 AUG 22/00						



77-R03

SAS	
	TASK CARD

MECH	INSP	-				·	
		(12)	Put the channel 2 s	switch on the N	2 speed card	to the TEST	position.
			<u>NOTE</u> : The channel hold it in t	2 switch is a the TEST positi		tch. You mu	st
		(13)	Make sure the EICAS hold the switch for			RD, shows af	ter you
		(14)	Release the channel NORMAL position.	2 switch and	make sure it g	goes back to	the
		(15)	Erase the EICAS mai message, L(R) ENG S			the applica	ble EICAS
		(16)	Remove the electric	al power (AMM	24-22-00/201)		
FFF	ECTI						
	_011			REPLACE	ENGINE SPEED		
				N77-12-01-4A	77-R03	PAGE 4 OF	5 AUG 22/00



S	TATION									BOE	ING CARD NO.	
TA	AIL NO.				C	X	BOEIN			77-4	05–01	
				AIR	LINE CARD NO.							
	DATE			SAS	-		767 TASK CARD					
SKILL		WORK AR	EA	RELATED	TASK		INTERVAL		PHASE	MPD REV	TASK CARD REVISION	
AVION		IN EE	CTR		TITLE	0	0500 HRS	STRUCTURAL ILLUSTRATIO		012	DEC 22/07	
		AL	PIMU	FAULT M						AIRPLAN		
	ZO	NES						ACCESS PANELS		ALL	4000	
119	120			1	19AL							
MECH INS	SP 0									ľ	MPD ITEM NUMBER	
HECH INC												
							1 AND ENGINE ITCH ON THE PI	2 PIMU FAULT		N77-3	5-00-2A	
	1.	<u>1 ne</u>			nterface	<u>e and</u>	Monitor Unit	<u>(PIMU) Fault F</u>	ecall			
		Α.	Refe	rences								
			(1)	(1) AMM 24-22-00/201, Electrical Power - Control								
		в.	Acce	SS								
			(1)	Locatio								
				119 120			uipment Center uipment Center					
				120	na							
			(2)	Access	Panels							
				119	AL I	Main	Equipment Cent	ter				
		c	Proc									
		ι.										
			(1)	Supply	electri	calp	ower (AMM 24-2	22-00/201).				
			(2)	Push and	d hold t	the M	ONITOR VERIFY	switch on the	front of	the P	IMU.	
				(a) Mal	ke sure	all	segments of th	ne display come	e on.			
			(3)	Release	the MON	NITOR	VERIFY switch	۱.				
				<u>NOTE</u> :	This wi	llst	art the PIMU s	self-test proce	dure.			
				<u>HOIL</u>								
EFFEC	TIVIT	Y .					OPERATIONAL	PIMU FAULT ME	SSAGES			
										or -		
							N77-35-00-2A	77–405–01	PAGE 1	OF 3	DEC 22/07	





AIRLINE CARD NO.

77-405-01

					THEIR CHIRD				
MECH	INSP								
			(a)	If the self-t PIMU will sho	est continues f w this:	for more than t	hree seco	nds, the	
				TEST IN PROGRESS					
			(b)		completes the s for ten secor		out failu	re, the PIM	IU
				READY					
		(4)	Push	the BIT switc	h on the front	of the PIMU.			
			<u>NOTE</u>	: This will c	ause the first	PIMU message t	o show.		
			(a)	Write the fai	lure message sh	nown.			
				<u>NOTE</u> : All ch failur	annel A failure es.	es show before	all chann	el B	
				Example: EEC FAU CAT	LT				
			(b)	Push the BIT failure messa	switch on the f ge.	front of the PI	MU and wr	ite the	
					CH-A TR- FAIL				
			(c)	Push the BIT failure messa	switch on the f ge.	front of the PI	MU and wr	ite the	
					CH-B FD- FAIL				
EFF	ECTI	VITY			OPERATIONAL	PIMU FAULT ME	SSAGES		
					N77-35-00-2A	77-405-01	PAGE 2	OF 3 MAY 1	0/91

			Å	BOEIN	Æ		77-405-01
			SAS CL		0		AIRLINE CARD NO.
			UNU	TASK CARD			
MECH	INSP		 SAS (d) Push the BIT s failure message Example: EEC FMU W/A Push the BIT switch messages showed: END NOTE: If you push again. The until you ge Push the RESET swit RAM and nonvolatile 	767 TASK CARD witch on the f le. CH-B T/M FAIL and this will the BIT switch same PIMU mess t to END a sec sch on the fron memory.	ront of the P show for ten again, the p ages will sho ond time. t of the PIMU	n seconds i procedure w pw again on	AIRLINE CARD NO. ite the f all PIMU ill start e at a time
EFF	ECTIV	ITY		OPERATIONAL	PIMU FAULT M	ESSAGES	
				N77-35-00-2A	77-405-01	PAGE 3	OF 3 DEC 22/00

STA	ATION						BOE	ING CARD NO.			
TAI	L NO.			S BOEIN	G		77–4	06–01			
D	DATE		SAS &	767			AIRI	INE CARD NO.			
			r	TASK CARD							
SKILL	WORK ARE		RELATED TASK	INTERVAL		PHASE	MPD REV	TASK CARD REVISION			
AVION	MAIN EE	CTR	TITLE	01000 HRS	(#) STRUCTURAL ILLUSTRATION RE	10202		DEC 22/00 PLICABILITY			
OPERA	TIONAL	EEC	CATEGORY 2 FAULTS	S			AIRPLAN				
	ZONES				ACCESS PANELS		ALL	4000			
119	120		119AL								
MECH INSP	,						I	MPD ITEM NUMBER			
	VERIFY	ТНАТ	THERE ARE NO EN	GINE 1 OR ENGINE 2	2 EEC CATEGORY 2		N77-3	5-00-2B			
	FAULTS	(EEC	CH-A/B FAULT CA	г 2).							
	(#) CMR FREQUENCY IS 1000 HOURS.										
	1. The Propulsion Interface and Monitor Unit (PIMU) Fault Recall										
	A. References										
		(1)	AMM 24-22-00/20								
	в.	Acce	ess								
		(1)	Location Zones								
			119 Maiı	n Equipment Center n Equipment Center							
		(2)	Access Panels 119AL Ma	ain Equipment Cent	ter						
	c.	Proc	edure								
		(1)	Supply electrica	al power (AMM 24-2	22-00/201).						
		(2)	Push and hold t	he MONITOR VERIFY	switch on the fr	ont of	the P	IMU.			
			(a) Make sure a	all segments of th	ne display come o	n.					
		(3)		ITOR VERIFY switch							
		())									
			<u>NOTE</u> : This wil	l start the PIMU s	self-test procedu	re.					
	I										
EFFECT	IVITY			OPERATIONAL	EEC CATEGORY 2	FAULTS					
				N77-35-00-2B	77-406-01 P	AGE 1	0F 3	DEC 22/00			
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AIRLINE CARD NO.

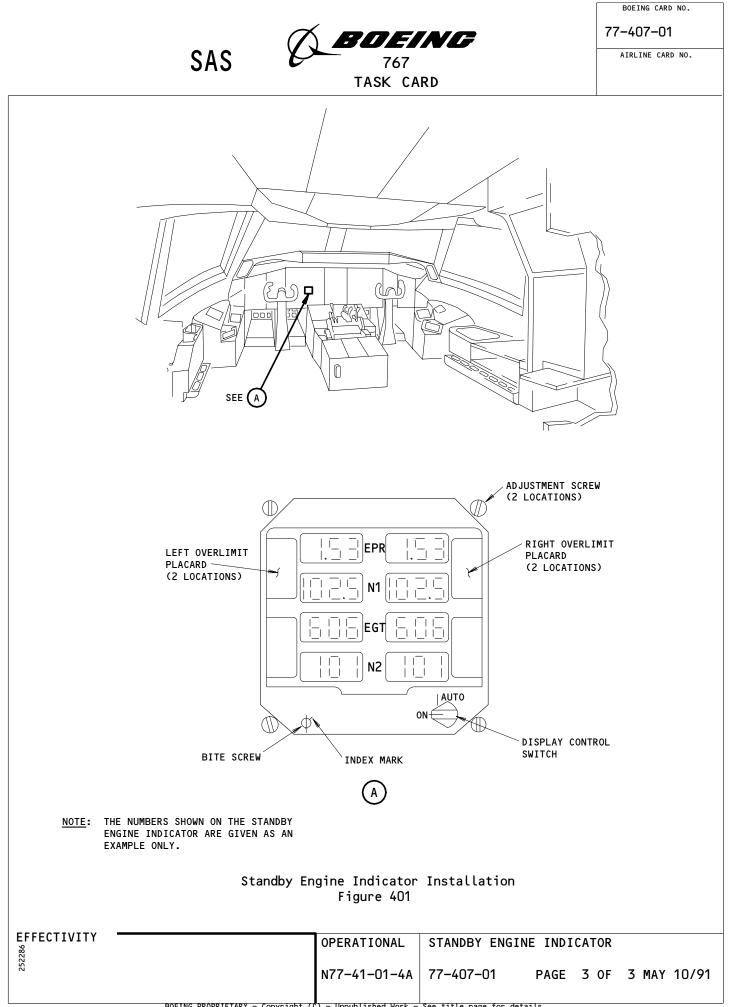
77-406-01

MECH	INSP	-									
			(If the self- PIMU will sh			for more t	han three s	seconds	, the
					TEST IN PROGRESS						
			(When the PIM will show th				without fa	ailure,	the PIMU
					READY						
			(4) P	Push	the BIT swit	ch on	the front	of the PI	MU.		
			<u>N</u>	<u>IOTE</u> :	This will	cause	the first	PIMU mess	age to show	W .	
			((a)	Write the fa	ilure	message sh	iown.			
				-	<u>NOTE</u> : All c failu		. A failure	es show be	fore all ch	hannel	В
						C CH-A JLT T 2	N				
			(Push the BIT failure mess		h on the f	front of t	he PIMU and	d write	the
						C CH-A C TR- FAIL	۱.				
			(Push the BIT failure mess		h on the f	front of t	he PIMU and	d write	the
					SV	C CH-B A FD- FAIL	}				
EFF	ECTI	νιτγ				OPE	RATIONAL	EEC CATE	GORY 2 FAUL	LTS	
						N77	′-35-00-2B	77-406-0	1 PAGE	2 OF	3 AUG 10/95

	77.	-406-01					
			SAS XX	BOEIN 767		4	AIRLINE CARD NO.
			0/10	TASK CARD			
MECH	INSP	-				L	
			(d) Push the BIT s failure messag		ront of the Pi	IMU and write	the
			FMU	CH-B T/M FAIL			
		(5)	Push the BIT switch messages showed:	h and this will	show for ten	seconds if a	LL PIMU
			END				
			again. The	the BIT switch same PIMU mess et to END a sec	ages will show		
		(6)	Push the RESET swit RAM and nonvolatile		t of the PIMU	and erase the	e PIMUs
		(7)	Remove electrical p	oower (AMM 24-2	2-00/201).		
EFF	ECTI	VITY		OPERATIONAL	EEC CATEGORY	2 FAULTS	
				N77-35-00-2B	77-406-01	PAGE 3 OF	3 DEC 22/00

	STAT	ION]							BOE	ING CARD NO.	
	TAIL	N0.		-	77-4	77-407-01							
	DA	TE			AIRL	AIRLINE CARD NO.							
	DA												
SKIL	L	WORK AREA		RELATED TASK			INTERVAL		PHASE	MPD REV	TASK CARD REVISION		
ENG			W CA	BIN				00400 HRS	(#) STRUCTURAL ILLUSTRATION		007	APR 22/05	
OPE		TION	AL	STAN	DBY EI		INDICATOR	R			AIRPLAN		
		ZON	ES							NOT	E 4000		
212	2												
MECH	INSP										٩	MPD ITEM NUMBER	
	CHECK THE OPERATION OF THE STANDBY ENGINE INDICATOR (SEI) N77-41-01-4A BY ACTUATING THE TEST SWITCH. (#) CMR AND MSG-3 DEVELOPED FREQUENCY IS 400 HOURS. AIRPLANE NOTE: THIS TASK APPLICABLE TO ALL AIRPLANE MODELS EXCEPT THE 767-400ER.												
		1.	Do	the O	perat	ional	<u>Fest of t</u>	<u>che Standby End</u>	<u>aine Indicator (</u>	<u>SEI)</u>			
	A. General												
				 (1) The standby engine indicator (SEI) is found on the captain's main instrument panel, P1-3. (2) The standby engine indicator is referred to as the SEI in this procedure. 									
			в.	References									
				(1) AMM 24-22-00/201, Electrical Power - Control									
		C. Do the Operational Test of the Standby Engine Indicator (SEI) (Fig. 401										. 401).	
		(1) Supply electrical power (AMM 24-22-00/201).											
		(2) Put the control switch for the SEI display to ON.											
			(3) Turn the BITE screw to the index mark with a small screwdriver and hold it in that position.										
				(4) Make sure these indications show on the SEI in three seconds or less:									
				(a) 2.88 for EPR									
EFFI	ECTI	IVIT	Y.					OPERATIONAL	STANDBY ENGINE	INDICAT	OR		
								N77-41-01-4A	77-407-01	PAGE 1	0F 3	APR 22/05	

(BOEING									77	77-407-01		
SAS 767								-			AIRLINE CARD NO.	
		1					TASK	CARD				
MECH	INSP											
				(b)	188.8	for N1						
				(c)	1888	for EGT						
				(d)	188 fo	or N2						
		D.	Put	the ai	rplan	e back to	its usu	ual con	dition.			
		 (1) Turn the BITE screw on the SEI back to its initial position. (2) Put the control switch for the SEI display to AUTO. (3) Remove the electrical power if it is not necessary (AMM 24-22-00/201). 										
				CAMM	24-22	-00/201).						
EFI	FECTI	VITY -					OPERATI	ONAL	STANDBY ENG	GINE INDI	CATOR	
							N77-41-	-01-4A	77-407-01	PAGE	2 OF	3 APR 22/01
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