CHAPTER

36

PNEUMATIC





737-600/700/800/900 TASK CARDS

CHAPTER 36 PNEUMATIC

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4	Feb 15/2016							
5	Jun 15/2015							
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7	Jun 15/2015							

 $A = Added, \ R = Revised, \ D = Deleted, \ O = Overflow, \ C = Customer \ Originated \ Change$

36-EFFECTIVE PAGES





737-600/700/800/900 TASK CARDS

AIRLINE	CARD NO	PRECOOLER	TITLE CONTROL VALVE	BOEING CARD NO. 36-020-01-01 RELATED CARD		
DATE	TASK FUNCTIONAL		SOLENOID - LEFT			
TAIL NUMBER	WORK AREA ENG/STRUT	VERSION 1.1	THRESHOLD 16000 FH	REPEAT 16000 FH	APPLIC AIRPLANE	ABILITY ENGINE
STATION	SKILL AIRPL				ALL	ALL
		ACCESS 415 416			ZONE 411	

Functionally check the left precooler control valve and wing TAI solenoid.

A. References

Reference	Title
AMM 30-11-12-000-801	Ground Wing Thermal Anti-Icing Solenoid Valve Removal (P/B 401)
AMM 30-11-12-400-801	Ground Wing Thermal Anti-Icing Solenoid Valve Installation (P/B 401)
AMM 36-00-00-860-806	Remove Pressure from the Pneumatic System (P/B 201)
AMM 78-31-00-010-801-F00	Open the Thrust Reverser (Selection) (P/B 201)
AMM 78-31-00-010-804-F00	Close the Thrust Reverser (Selection) (P/B 201)

B. Consumable Materials

Reference	Description	Specification
D00006	Compound - Antiseize Pure Nickel Special - Never-Seez NSBT	BAC5008
D00010	Compound - Thread Antiseize, High Temperature	MIL-PRF-907
G50135	Leak Detector - Liquid, Non-Corrosive Soap Compound	MIL-PRF-25567

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
COM-13770	737 Pneumatic Test Kit
	Part #: 1945-04-08 Supplier: 6Q1D1 Part #: 1945-04-09 Supplier: 6Q1D1
SPL-4350	Test Equipment - Engine Bleed Air Systems
	Part #: C36001-64 Supplier: 81205
STD-1453	Gauge - Pressure, 0-250 PSIG (0-1724 KPa)
STD-1454	Regulator - Pressure, 0 to 250 PSI with Pressure Gauge, 3/8 Inch ID Connections
STD-1455	Source - Nitrogen, 0-250 PSIG
STD-3907	Mirror - Dental
STD-3942	Hose - Air, Flexible, 3/8 inch (.9525 cm) ID, Length as Needed
EFFECTIVITY AKS ALL	SOURCE MRB PRECOOLER CONTROL VALVE AND WING TAI SOLENOID - LEFT

EFFECTIVITY AKS ALL	SOURCE MRB	PRECOOLER CONTROL VALVE AND W	ING TAI SOLENOID -
		D633A109-AKS 36-020-01-01	Page 1 of 7 Feb 15/2016



	D	ATE		TAIL NUMBER	STATION	AIRLINE CARD NO.	36-020-		
-	TAS	K 36-	12-00)-710-802				MECH	INS
ı	Prec	oole	r Con	trol Valve Functional T	est				
F	Figu	re 1							
	Α.	Gen	eral						
		(1)		procedure uses a nitrog perational test of the pre		oneumatic test equipment	to perform		
	В.	Prei	oarati	on for the Test					
				2-00-860-010					
		(1)	Make	e sure the engine start le	ever is in the CUTOFF	position:			
			(a)	Install a DO-NOT-OPER	RATE tag on the applic	able start lever.			
		SUBTA	SK 36-12	2-00-860-011					
		WΔI	SNINC	REMOVE THE PRES	SSURE FROM THE PN	EUMATIC DUCTS BEFO	RE YOU		
		WAI	<u> </u>	REMOVE A PNEUMA	ATIC SYSTEM COMPO	DNENT. HOT HIGH PRES DR DAMAGE TO EQUIPN	SURE AIR		
		(2)	Remove pressure from the pneumatic system. Do this task: Remove Pressure from the Pneumatic System, AMM TASK 36-00-00-860-806.						
		SUBTA	SK 36-12	-12-00-860-013					
		(3) Make sure that the WING ANTI-ICE switch on the engine and wing anti-ice control panel P5-11 is in the OFF position.					ontrol panel		
		SUBTA	SK 36-12	2-00-860-012					
		(4)	Do th	his task: Open the Thrus	t Reverser (Selection),	AMM TASK 78-31-00-01	0-801-F00.		
	C.	Pred	coolei	r Control Valve Functio	onal Test				
		NOT	S er	TD test equipment show	n in the tool list as they est equipment, SPL-435	sary to obtain the individurare contained in the test 50, contains all of the indi	kit. The		
		SUBTA	SK 36-12	2-00-480-015					
		(1)		nect a nitrogen source to e [7] as follows:	the supply pressure se	ense line [2] to the precod	oler control		
			(a)	Disconnect the bleed ai line [2].	ir supply line [4] at the i	nlet tee to the supply pre	ssure sense		
				Loosen the other way.	end of the bleed air sup	oply line [4] and move it o	ut of the		
			(b)	_	3/8 inch (.9525 cm) ID	re regulator, STD-1454, p flexible air hose, length a nse line [2].			
		SUBTA	SK 36-12	2-00-710-011					
		(2)	Do a	check of the minimum of	closing pressure of the	precooler control valve as	s follows:		
						source, STD-1455 to prov			I



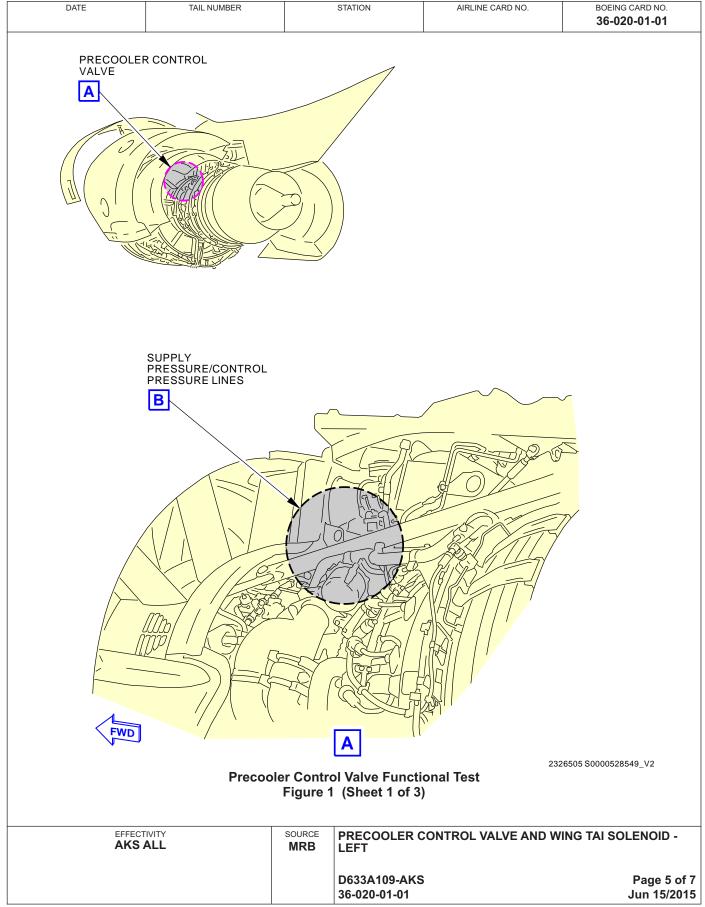
737-600/700/800/900 **TASK CARDS**

DATE		TA	IL NUMBER		STATION	AIRLINE CARD NO.	BOEING (
(b)		ly ope		ator, STD-1	454 to increase	the supply pressure (F	Ps) to 14.0 -	MECH	INSP
(c)				ndicator [1	on the precool	er control valve [7]:			
(3)			•	-	907, if necessar				
(d)	Did t	he po	sition indicat	tor [1] on th or within 30	ne precooler co degrees of full	ntrol valve [7] show that y closed? If yes, this ta			
	1)				ine to the preco	oler control valve 390° e 1, View C.	sensor in		
	2)	Incre	ease supply p	oressure (F	Ps) to 14 - 15 ps	sig.			
	3)		the precooler closed?	control va	live move to full	y closed or to within 30	degrees of		
		a)				es to the 390° sensor or and 390° sensor for lea			
			<1> If lea	ks are fou	nd, repair or rep	lace as necessary.			
		b)	If no, contin	ue.					
	4)	Incre	ease supply p	oressure (F	Ps) to 70 - 75 ps	sig.			
		NOT		•	s) is increased ings will be easi	to 70 - 75 psig so that le er to detect.	eaks in the		
	5)	Use	leak detecto	r, G50135,	to examine the	se areas for nitrogen le	akage:		
		a)	The supply control valv		Ps) sense line [2] and fitting to the pred	cooler		
		b)	The test line sense line [gs from the nitro	ogen source to the supp	ly pressure		
		c)			•	ne precooler control valuere it connects to the			
		d)	The sense I		tings between th	ne precooler control [7]	and the wing	ı	
		e)	Wing TAI so	olenoid val	ve.				
	6)	Decr	rease Ps to 0	psig and	repair all leakag	je found.			
		a)	-		the wing TAI sol g solenoid valve	enoid, do these tasks to :	replace the		
					round Wing The TASK 30-11-12	ermal Anti-Icing Solenoio 2-000-801	d Valve		
					round Wing The IM TASK 30-11-	ermal Anti-Icing Solenoid	d Valve		
		b)	•			eez NSBT compound, Dating the sense lines.	00006, on		
	7)	Incre		·	Ps) to 14 - 15 ps				
	ECTIVITY S ALL			SOURCE MRB	PRECOOLER C	ONTROL VALVE AND W	ING TAI SOL	ENOID	-
					D633A109-AKS 36-020-01-01			Page 3 eb 15/	
					I.				

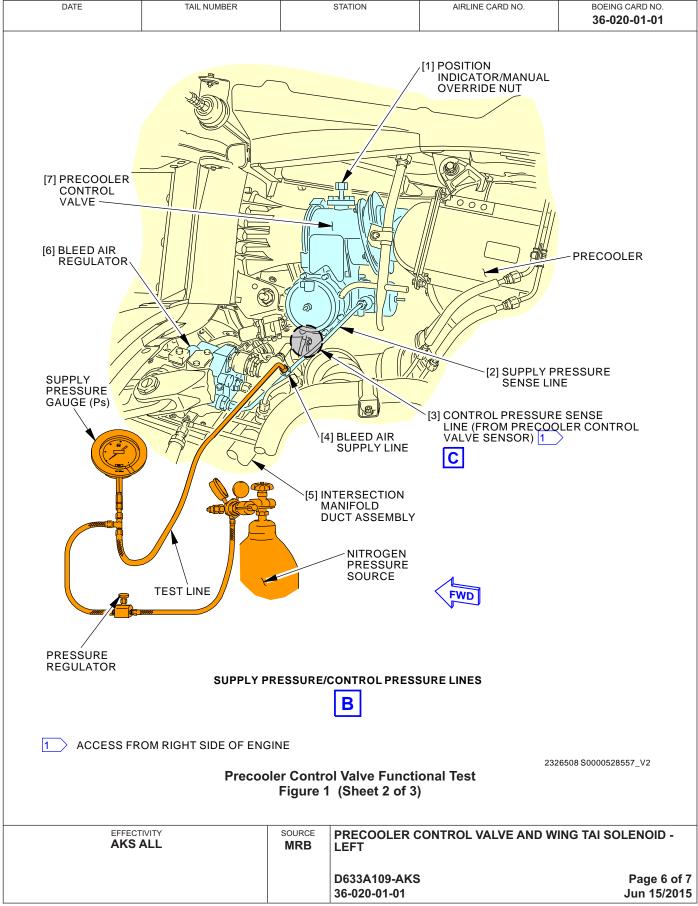


DATE				TAIL NUMBER		STATION	AIRLINE CARD NO.		IG CARD NO. 1 20-01-01		
			а				move to fully closed of ecooler control valve a		MECH	INSP	
				<1> Pred	cooler Cont	rol Valve Remov	val, TASK 36-12-02-00	0-801			
				<2> Pred	cooler Cont	rol Valve Installa	ation, TASK 36-12-02-4	00-801.			
				<a>		on the threads), or Never-Seez NSBT of all fittings when con	•			
D.	Ret	urn th	e Airpla	ne Back to Its	Usual Co	ndition					
	SUBT	ASK 36-12	2-00-080-006								
	(1)			-		pressure (Ps) te ssure (Ps) sense	est equipment and reins e line inlet tee.	stall the			
		(a)					re regulator, STD-1454 e supply pressure (Ps)				
		(b)			supply line	[4] to the suppl	y pressure sense line [2] (Figure 1,			
			(1	5.0 Newton-m	eters — 16	.6 Newton-mete					
			N				Seez NSBT compound onnecting the sense lin				
	SUBT	ASK 36-12	2-00-860-009								
	(2)			ust reverser. D 00-010-804-F0		: Close the Thru	st Reverser (Selection)	, AMM			
	SUBT	ASK 36-12	2-00-440-002								
	(3)	Rem	ove the	DO-NOT-OPE	RATE tag f	rom the applical	ole engine start lever.				
					- END OF	TASK ———					
			CTIVITY S ALL		SOURCE MRB	PRECOOLER C	ONTROL VALVE AND W	ING TAI SOLE	NOID	-	
						D633A109-AKS 36-020-01-01			Page 4 eb 15/		

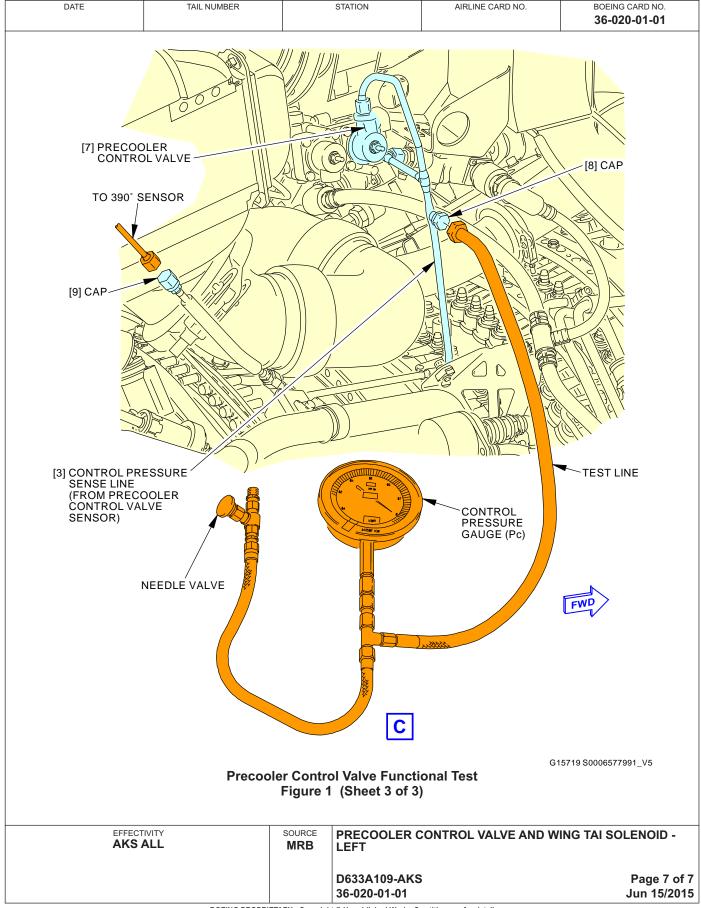
















737-600/700/800/900 TASK CARDS

AIRLINE	CARD NO		TITLE CONTROL VALVE	BOEING CARD NO. 36-020-02-01 RELATED CARD		
DATE	TASK FUNCTIONAL		SOLENOID - RIGH			
TAIL NUMBER	WORK AREA ENG/STRUT	VERSION 1.1	THRESHOLD 16000 FH	REPEAT 16000 FH	APPLIC AIRPLANE	CABILITY ENGINE
STATION	SKILL AIRPL				ALL	ALL
		ACCESS 425 426			ZONE 421	

Functionally check the right precooler control valve and wing TAI solenoid.

A. References

Reference	Title
AMM 30-11-12-000-801	Ground Wing Thermal Anti-Icing Solenoid Valve Removal (P/B 401)
AMM 30-11-12-400-801	Ground Wing Thermal Anti-Icing Solenoid Valve Installation (P/B 401)
AMM 36-00-00-860-806	Remove Pressure from the Pneumatic System (P/B 201)
AMM 78-31-00-010-801-F00	Open the Thrust Reverser (Selection) (P/B 201)
AMM 78-31-00-010-804-F00	Close the Thrust Reverser (Selection) (P/B 201)

B. Consumable Materials

Reference	Description	Specification
D00006	Compound - Antiseize Pure Nickel Special - Never-Seez NSBT	BAC5008
D00010	Compound - Thread Antiseize, High Temperature	MIL-PRF-907
G50135	Leak Detector - Liquid, Non-Corrosive Soap Compound	MIL-PRF-25567

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
COM-13770	737 Pneumatic Test Kit
	Part #: 1945-04-08 Supplier: 6Q1D1 Part #: 1945-04-09 Supplier: 6Q1D1
SPL-4350	Test Equipment - Engine Bleed Air Systems
	Part #: C36001-64 Supplier: 81205
STD-1453	Gauge - Pressure, 0-250 PSIG (0-1724 KPa)
STD-1454	Regulator - Pressure, 0 to 250 PSI with Pressure Gauge, 3/8 Inch ID Connections
STD-1455	Source - Nitrogen, 0-250 PSIG
STD-3907	Mirror - Dental
STD-3942	Hose - Air, Flexible, 3/8 inch (.9525 cm) ID, Length as Needed
EFFECTIVITY AKS ALI	SOURCE PRECOOLER CONTROL VALVE AND WING TAI SOLENOID

EFFECTIVITY AKS ALL	SOURCE MRB	PRECOOLER CONTROL VALVE AND WING RIGHT	S TAI SOLENOID -
		D633A109-AKS 36-020-02-01	Page 1 of 7 Feb 15/2016
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737-600/700/800/900 TASK CARDS

D	ATE			TAIL NUMBER	STATION	AIRLINE CARD NO.	36-020-		
TAS	K 36-	12-00)-710-	802				MECH	INSP
Pred	oole	r Con	itrol V	/alve Functional T	est				
Figu	re 1								
Α.	Gen	eral							
	(1)		-	_	gen supply source and pecooler control valve.	oneumatic test equipment	to perform		
B.	Pre	oarati	on fo	r the Test					
	SUBTA	SK 36-1	2-00-860-	010					
	(1)	Mak	e sure	e the engine start le	ever is in the CUTOFF p	position:			
		(a)	Insta	all a DO-NOT-OPE	RATE tag on the applica	able start lever.			
	SUBTA	SK 36-1	2-00-860-	011					
	WAI	RNIN	RE	EMOVE A PNEUM	ATIC SYSTEM COMPO	EUMATIC DUCTS BEFO NENT. HOT HIGH PRES OR DAMAGE TO EQUIPN	SURE AIR		
	(2)			•	oneumatic system. Do th SK 36-00-00-860-806.	nis task: Remove Pressur	e from the		
	SUBTA	SK 36-1	2-00-860-	013					
	(3)			e that the WING AN n the OFF position.		ngine and wing anti-ice co	ontrol panel		
	SUBTA	SK 36-1	2-00-860-	012					
	(4)	Do t	his ta	sk: Open the Thrus	st Reverser (Selection),	AMM TASK 78-31-00-010	0-801-F00.		
C.	Pred	coole	r Con	trol Valve Function	onal Test				
	NOT	S	TD te	st equipment show bleed air system te	n in the tool list as they	sary to obtain the individu are contained in the test 50, contains all of the indiv	kit. The		
	SUBTA	SK 36-1	2-00-480-	015					
	(1)			a nitrogen source to as follows:	o the supply pressure se	ense line [2] to the precoc	ler control		
		(a)	Disc line		ir supply line [4] at the i	nlet tee to the supply pres	ssure sense		
			1)	Loosen the other way.	end of the bleed air sup	oply line [4] and move it or	ut of the		
		(b)	gaug	ge, STD-1453 (Ps),	-	re regulator, STD-1454, p flexible air hose, length a nse line [2].			
	SUBTA	SK 36-1	2-00-710-	011					
	(2)	Do a	chec	k of the minimum	closing pressure of the	precooler control valve as	follows:		
		(a)	-	_	• .	source, STD-1455 to prov ssure regulator, STD-145			

PRECOOLER CONTROL VALVE AND WING TAI SOLENOID RIGHT

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Jun 15/2015



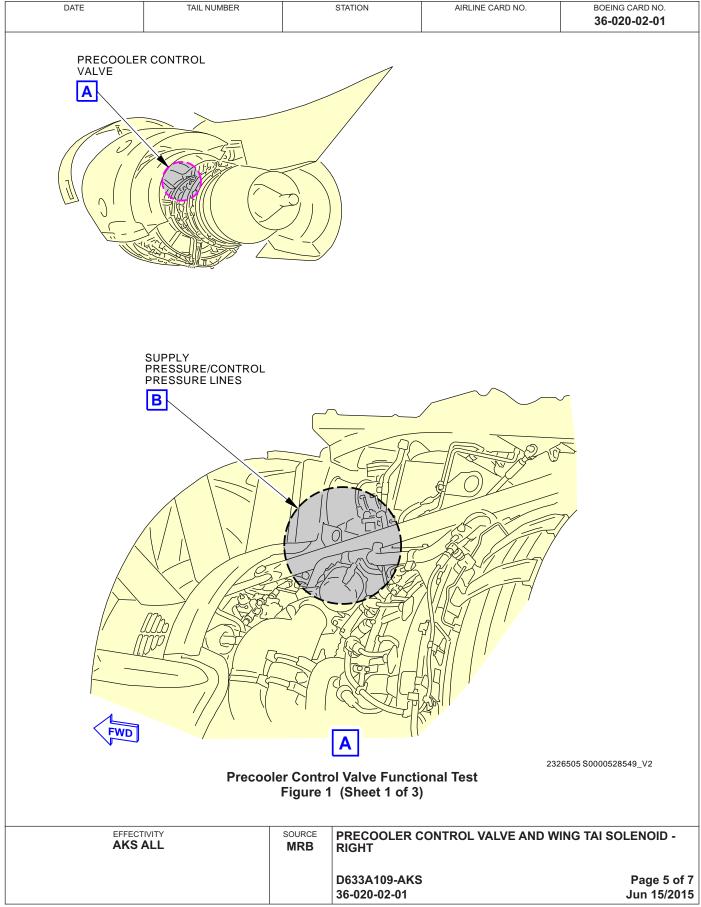
737-600/700/800/900 **TASK CARDS**

DATE		TA	IL NUMBER		STATION	AIRLINE CARD NO.	36-020		
(b)		ly ope	en the regula	itor, STD-1	454 to increase	the supply pressure (F	Ps) to 14.0 -	MECH	INSP
(c)			he position ir	ndicator [1	on the precool	er control valve [7]:			
	1)		•		907, if necessar				
(d)	move	ed to		or within 30	degrees of full	ntrol valve [7] show that y closed? If yes, this tas			
	1)				ine to the preco	oler control valve 390° e 1, View C.	sensor in		
	2)	Incre	ease supply p	oressure (F	Ps) to 14 - 15 ps	sig.			
	3)		he precooler closed?	control va	live move to full	y closed or to within 30	degrees of		
		a)	•			es to the 390° sensor or and 390° sensor for lea			
			<1> If lea	ks are foui	nd, repair or rep	lace as necessary.			
		b)	If no, contin	ue.					
	4)	Incre	ease supply p	oressure (F	Ps) to 70 - 75 ps	sig.			
		NOT		•	s) is increased t ngs will be easi	to 70 - 75 psig so that le er to detect.	eaks in the		
	5)	Use	leak detectoi	r, G50135,	to examine the	se areas for nitrogen le	akage:		
		a)	The supply control valve		Ps) sense line [2] and fitting to the pred	cooler		
		b)	The test line sense line [2		gs from the nitro	ogen source to the supp	ly pressure		
		c)			-	ne precooler control value where it connects to the			
		d)	The sense I		ings between th	ne precooler control [7]	and the wing		
		e)	Wing TAI so	lenoid val	ve.				
	6)	Decr	ease Ps to 0	psig and	repair all leakag	e found.			
		a)			the wing TAI sol g solenoid valve	enoid, do these tasks to :	replace the		
					round Wing The TASK 30-11-12	ermal Anti-Icing Solenoid	d Valve		
					round Wing The M TASK 30-11-	ermal Anti-Icing Solenoid	d Valve		
		b)				eez NSBT compound, D	00006, on		
	7)	Incre			Ps) to 14 - 15 ps	•			
	S ALL			SOURCE MRB	PRECOOLER C	ONTROL VALVE AND W	ING TAI SOL	ENOID	-
					D633A109-AKS 36-020-02-01			Page 3 eb 15/	
[1				

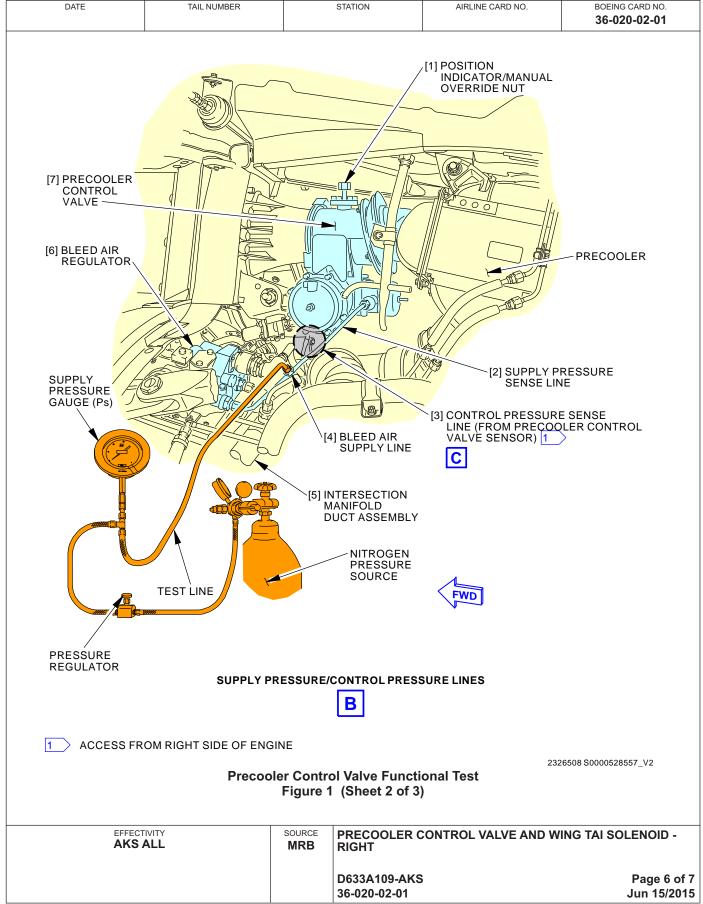


С	DATE			TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C. 36-020-		
			a				move to fully closed of ecooler control valve a		MECH	INSP
				<1> Pre	cooler Cont	rol Valve Remov	val, TASK 36-12-02-000	0-801		
							ation, TASK 36-12-02-4			
				<a>		on the threads	of all fittings when con	•		
D.	Ret	urn th	e Airpla	ne Back to Its	usual Co	ndition				
	SUBTA	ASK 36-12	-00-080-006							
	(1)			-		pressure (Ps) te ssure (Ps) sense	est equipment and reins line inlet tee.	stall the		
		(a)					e regulator, STD-1454 e supply pressure (Ps)			
		(b)			supply line	[4] to the supply	y pressure sense line [2] (Figure 1,		
			(1	5.0 Newton-m	eters — 16	.6 Newton-mete				
			NO				Seez NSBT compound onnecting the sense lin			
	SUBTA	ASK 36-12	-00-860-009							
	(2)			ust reverser. D 00-010-804-F		: Close the Thru	st Reverser (Selection)	, AMM		
	SUBTA	ASK 36-12	-00-440-002							
	(3)	Rem	ove the l	DO-NOT-OPE	RATE tag f	rom the applical	ole engine start lever.			
					– END OF	TASK ———				
			CTIVITY		SOURCE	PRECOOLER C	ONTROL VALVE AND W	/ING TAI SOLE	ENOID	
		AKS	SALL		MRB	RIGHT D633A109-AKS		ı	Page 4	of 7
						36-020-02-01		F	eb 15/	2016

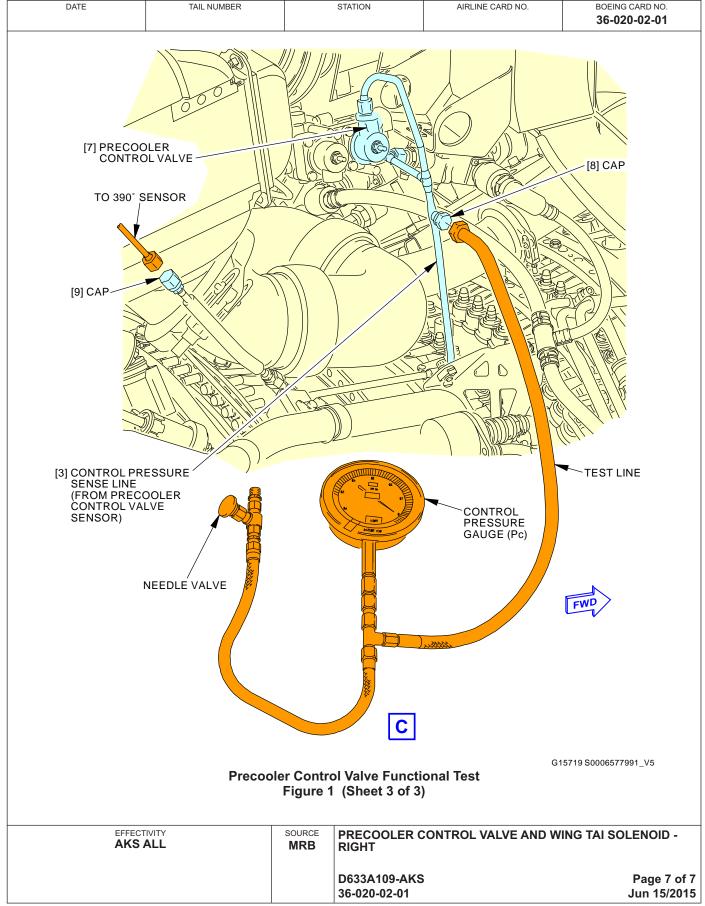
















737-600/700/800/900 TASK CARDS

AIRLINE	E CARD NO	PRECOOLER (TITLE CONTROL VALVE	BOEING CARD NO. 36-030-01-01		
DATE	TASK FUNCTIONAL				RELATE	ED CARD
TAIL NUMBER	WORK AREA ENG/STRUT	VERSION 1.1	THRESHOLD 16000 FH	REPEAT 16000 FH	APPLIC AIRPLANE	ABILITY ENGINE
STATION	SKILL AIRPL				ALL	ALL
		ACCESS 431BL			ZONE 433	

Functionally check (off-airplane) the left precooler control valve sensor per vendor's overhaul manual. Task card procedures apply to on-airplane portion only (removal/installation).

A. References

Reference	Title
AMM 36-00-00-860-805	Supply Pressure Upstream of the PRSOV (P/B 201)
AMM 36-00-00-860-806	Remove Pressure from the Pneumatic System (P/B 201)

B. Consumable Materials

Reference	Description	Specification
D00006	Compound - Antiseize Pure Nickel Special - Never-Seez NSBT	BAC5008
D00010	Compound - Thread Antiseize, High Temperature	MIL-PRF-907
G00091	Compound - Oxygen System Leak Detection - Snoop Leak Detector	MIL-PRF-25567

EFFECTIVITY AKS ALL	SOURCE MRB	PRECOOLER CONTROL VALVE SENSOR - LEFT	
		D633A109-AKS 36-030-01-01	Page 1 of 7 Feb 15/2016



737-600/700/800/900 TASK CARDS

	DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	36-030		
Pre		-03-000-801 ontrol Valve	e Sensor Ren	noval				MECH	INS
A.	Prepar	e to Remov	e the Valve S	ensor					
	SUBTASK :	6-12-03-860-001							
		YOU F PRES PERS	REMOVE A PN SURE AIR IN ONS OR DAM	NEUMATIC THE PNEU IAGE TO E	SYSTEM COI JMATIC DUCT EQUIPMENT.	THE PNEUMATIC DUCT MPONENT. THE HOT H S CAN CAUSE INJURIE	IGH		
	. ,	SK 36-00-0		sure from tr	ne Pneumatic S	system, AMM			
		6-12-03-860-002		المعمد الممد					
	. ,		ircuit breakers		i salety tags:				
		O Electrica Row Col	I System Pan Number	Name					
	_	A 5			DITIONING BLI	EED AIR VALVE ISLN			
		A 7				EED AIR VALVES L			
		B 7	C00797	AIR CONE	DITIONING BLI	EED AIR VALVES R			
		6-12-03-860-003		E tag to the	o switches that	follow on the P5-10 par	vol:		
	(3) A			L tag to the	e switches that	Tollow of the F 5-10 par	ici.		
	`) BLEED:							
	(c	,							
	•	6-12-03-010-001							
			applicable acce	ess panel,	do this step:				
	(a) Open the	ese access pa	inels:					
		Number	Name/Lo	cation					
		431BL 441BL			-	ut Fairing, Strut 1 ut Fairing, Strut 2			
B.		e the Valve	Sensor						
		6-12-03-020-001 sconnect th	e sense line [6	81					
	` ,	6-12-03-020-002		, 1.					
		osen the ur	nion [5].						
	SUBTASK	6-12-03-020-003							
	(3) R	emove the f	our screws [3]						
	(a) Keep the	e screws [3] fo	r installatio	on.				
		emove the v	alve sensor [1].					
		FFECTIVITY AKS ALL		SOURCE MRB	PRECOOLER (CONTROL VALVE SENSO	R - LEFT		
						_		_	

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(5) Remove the union [5]. (a) Keep the union [5] for installation. SUBTANS 49-129-320-609 (6) Remove the packing [2] and packing [4]. (a) Discard the packings if they are cracked, deformed or brittle. SUBTANS 49-129-320-609 (7) Put a cap on the sense line [6] to keep out unwanted material. END OF TASK END OF TASK END OF TASK PRECOOLER CONTROL VALIVE SENSOR - LEFT MRB D633-A109-AKS 36-39-91-101 PRECOOLER CONTROL VALIVE SENSOR - LEFT Feb 15/2015	DATE	IAIL NUMBER		STATION	AIRLINE CARD NO.	36-030-			
(a) Keep the union [5] for installation. SUBTRACK 34-12-03-20-2008 (6) Remove the packing [2] and packing [4]. (a) Discard the packings if they are cracked, deformed or brittle. SUBTRACK 36-12-03-03-2007 (7) Put a cap on the sense line [6] to keep out unwanted material. SUBTRACK 36-12-03-03-2008 (8) Put a cover on the boss [7] to keep out unwanted material. ———————————————————————————————————	SUBTASK 36-12-0	3-020-005	•				MECH	INSP	
(6) Remove the packing [2] and packing [4]. (a) Discard the packings if they are cracked, deformed or brittle. SUBTRAK 3-12-12-120-07 (7) Put a cap on the sense line [6] to keep out unwanted material. SUBTRAK 3-12-12-120-08 (8) Put a cover on the boss [7] to keep out unwanted material. ——END OF TASK —— END OF TASK —— END OF TASK —— BYPECONLER CONTROL VALVE SENSOR - LEFT MRB BYPECONLER CONTROL VALVE SENSOR - LEFT AKS ALL BOURCE MRB D63AA109-AKS Page 3 of 7	(5) Remo	ve the union [5].							
(6) Remove the packing [2] and packing [4]. (a) Discard the packings if they are cracked, deformed or brittle. SUBTASK 36-12-93-92-907 (7) Put a cap on the sense line [6] to keep out unwanted material. SUBTASK 36-12-93-92-908 (8) Put a cover on the boss [7] to keep out unwanted material. END OF TASK —— END OF TASK —— BOURCE MRB PRECOOLER CONTROL VALVE SENSOR - LEFT MRB D633A109-AKS Page 3 of 7	(a) k	Keep the union [5] for ins	stallation						
(a) Discard the packings if they are cracked, deformed or brittle. SUBTASK 31-12-40-200-907 (7) Put a cap on the sense line [6] to keep out unwanted material. SUBTASK 31-12-40-300-908 (8) Put a cover on the boss [7] to keep out unwanted material. END OF TASK —— END OF TASK —— ERECTIVITY AKS ALL SOURCE MRB PRECOOLER CONTROL VALVE SENSOR - LEFT D633A109-AKS Page 3 of 7									
SUBTACK 36-12-03-020-007 (7) Put a cap on the sense line [6] to keep out unwanted material. SUBTACK 36-12-03-020-008 (8) Put a cover on the boss [7] to keep out unwanted material. END OF TASK END OF TASK PRECOULER CONTROL VALVE SENSOR - LEFT MRB PRECOOLER CONTROL VALVE SENSOR - LEFT D633A109-AKS Page 3 of 7									
(7) Put a cap on the sense line [6] to keep out unwanted material. SUBTASK 39-12-0-0098 (8) Put a cover on the boss [7] to keep out unwanted material. END OF TASK —— END OF TASK —— END OF TASK —— END OF TASK —— BOURCE MRB PRECOOLER CONTROL VALVE SENSOR - LEFT D633A109-AKS Page 3 of 7	(a) [Discard the packings if the	hey are c	racked, deform	ed or brittle.				
SUBTASK 36-12-03-020-008 (8) Put a cover on the boss [7] to keep out unwanted material. ——END OF TASK —— END OF TASK —— ERECOTIVITY AKS ALL. SOURCE MRB PRECOOLER CONTROL VALVE SENSOR - LEFT D633A109-AKS Page 3 of 7									
(8) Put a cover on the boss [7] to keep out unwanted material. ———————————————————————————————————] to keep	out unwanted i	material.				
EFFECTIVITY AKS ALL SOURCE MRB PRECOOLER CONTROL VALVE SENSOR - LEFT D633A109-AKS Page 3 of 7			1		1				
EFFECTIVITY AKS ALL SOURCE MRB PRECOOLER CONTROL VALVE SENSOR - LEFT D633A109-AKS Page 3 of 7	(8) Put a				eriai.				
AKS ALL MRB D633A109-AKS Page 3 of 7		——-	END OF	TASK ———					
AKS ALL MRB D633A109-AKS Page 3 of 7									
AKS ALL MRB D633A109-AKS Page 3 of 7									
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AKS ALL MRB D633A109-AKS Page 3 of 7		TI (ITX)	2011222			. =			
				PRECOOLER C	ONTROL VALVE SENSOR	- LEFT			



737-600/700/800/900 TASK CARDS

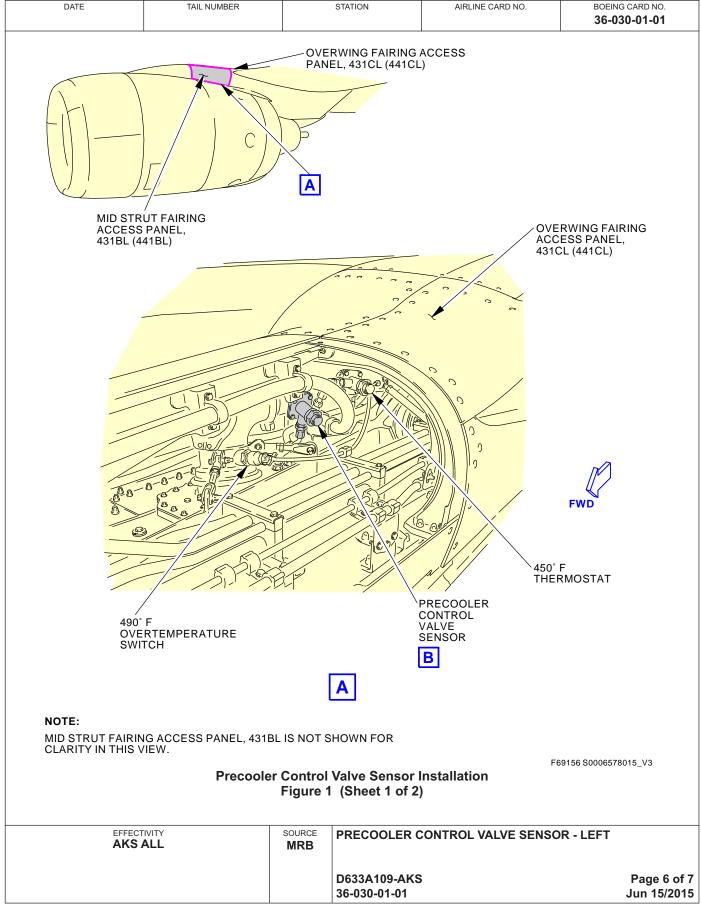
ı	DATE	TAIL NUMBER		STATION	AIRLINE CARD NO	D. BOEING C 36-030					
TΔS	K 36-12-03-	⊥					MECH				
.,,,,,		rol Valve Sensor Instal	lation								
(Fig	ure 1)										
Α.	Expendabl	les/Parts									
	AMM Item			AIPC Referer	nce AIPC Ef	ffectivity					
	1	Valve sensor		36-12-03-01-0	13 AKS AL	 L					
	2	Packing		36-12-03-01-0)20 AKS AL	L					
	4	Packing		54-51-51-03-0	050 AKS AL	L					
В.	B. Install the Valve Sensor										
	SUBTASK 36-12-0										
	• •	ove the cap from the sen	se line [6	i].							
	(2) Pomo	03-420-002 ove the cover from the bo	nee [7]								
	(2) Remo		JSS [1].								
		sure that the mating sur	faces of	the boss [7] and t	he valve senso	r [1] are clean.					
	SUBTASK 36-12-0	_									
	. ,	a thin layer of Never-Se 10) on the external threa		•	006 (alternate d	compound,					
	SUBTASK 36-12-0	,	ids of the	s union [J].							
		the union [5] and the pa	acking [4]	on the valve sen	sor [1] by hand	at this time.					
	SUBTASK 36-12-0	03-420-003									
	(6) Install	the packing [2] on the v	alve sen	sor [1].							
	SUBTASK 36-12-0										
	. ,	a thin layer of Never-Se 10) to the external threa		•	006 (alternate d	compound,					
	SUBTASK 36-12-0	03-860-005									
	CAUTION:	THE VALVE SENSOR THE VALVE SENSOR FOR CALIBRATION.									
	(8) Install	the valve sensor [1] on	the boss	[7].							
	(a) Install the four screws [3] and then tighten to 22.5-27.5 pound-inches (2.5-3.1 Newton-meters).										
	(b)	Tighten the union [5] to	155 in-lb	(17.5 N·m) - 165 i	n-lb (18.6 N·m)).					
	SUBTASK 36-12-03-420-004										
	(9) Install the sense line [6].										
	(a)	Tighten the B-nut on the	sense lir	ne [6] to 135 in-lb	(15.3 N·m) - 14	l5 in-lb (16.4 N·m).					
				PRECOOLER CO							

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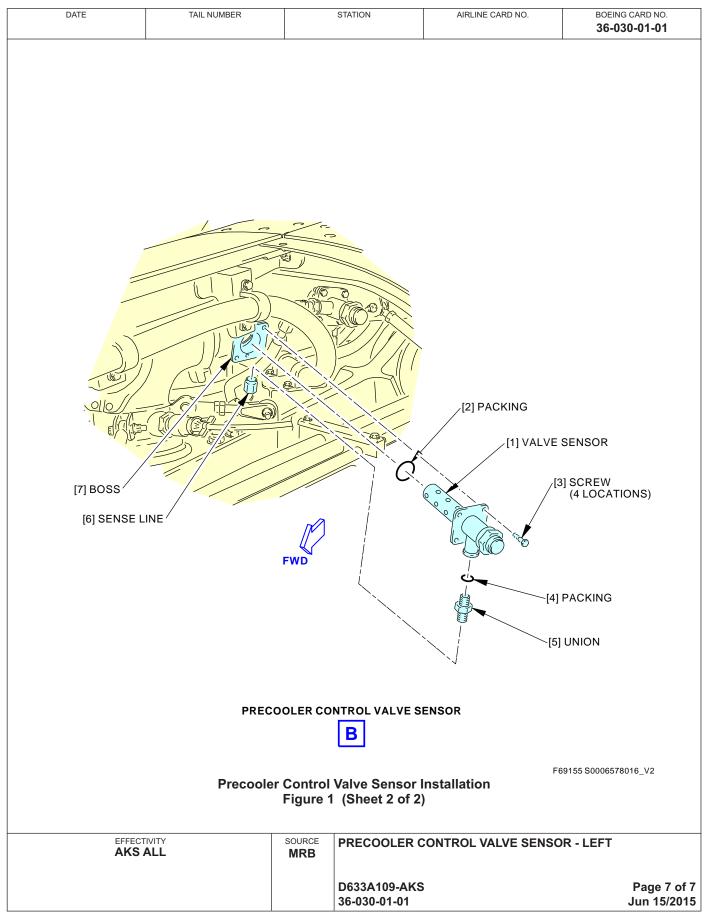


[DATE]	TAIL NUMBER		STATION	AIRLINE CARD NO.		CARD NO. 0-01-01	
C.	Precooler Control Valve Sensor Installation Test SUBTASK 36-12-03-860-009								MECH	IN
	(1)					se circuit breake	ers:			
				System Pa						
	Row Col Number Name A 5 C00259 AIR CONDITIONING BLEED AIR VALVE ISLN									
		A A	_	C00259 C00796			ED AIR VALVES L			
		В	7	C00797			ED AIR VALVES R			
	SUBTA	ASK 36-1:	2-03-860-010							
	(2)	Do t	his task: S	Supply Press	ure Upstrea	m of the PRSO	V, AMM TASK 36-00-00	-860-805.		
	SUBTA	ASK 36-1	2-03-790-001							
	(3)		hese step: nections.	s to look for l	leaks at the	precooler contro	ol valve sensor sense li	ine		
		(a)	Apply lea		Snoop Leak	Detector compo	ound, G00091 at the ser	nse line		
		(b)	Look to s	see if the sen	nse line con	nections have le	eaks.			
			1) No	leakage is p	ermitted at	the sense line c	onnections.			
			NO	TE: You mu	st repair all	leakage at the s	sense line connections.			
	SUBTASK 36-12-03-860-011									
	(4) Do this task: Remove Pressure from the Pneumatic System, AMM TASK 36-00-00-860-806.									
D.	Put the Airplane to Its Usual Condition									
	SUBTASK 36-12-03-860-006									
	(1)			licable acces		this step:				
		(a)		ese access p						
			Number		ocation	and aft Mid Ction	t Fairing Otrust 1			
			431BL 441BL			•	t Fairing, Strut 1 It Fairing, Strut 2			
	QUDT/	NSK 36.1	2-03-860-007	Torward	, otrac i ann	ig, Loit Mid Otta	ic raining, otrac 2			
	(2)			O-NOT-OPE	ERATE tag f	rom the switche	s that follow on the P5-	10 panel:		
	()	(a)	BLEED 1		Ü			·		
		` '	BLEED 2							
		(c)	APU BLE							
		(0)	7 0 522		END OF	TACK				
					— END OF	TASK ——				
			ECTIVITY S ALL		SOURCE MRB	PRECOOLER C	ONTROL VALVE SENSO	OR - LEFT		
						D633A109-AKS 36-030-01-01			Page 5 Jun 15/	
						·				_













737-600/700/800/900 TASK CARDS

AIRLINE	CARD NO	PRECOOLER C	TITLE CONTROL VALVE S	BOEING CARD NO. 36-030-02-01		
DATE	TASK FUNCTIONAL				RELATE	ED CARD
TAIL NUMBER	WORK AREA ENG/STRUT	VERSION 1.1	THRESHOLD 16000 FH	REPEAT 16000 FH	APPLIC AIRPLANE	CABILITY ENGINE
STATION	SKILL AIRPL				ALL	ALL
		ACCESS 441BL			ZONE 443	

Functionally check (off-airplane) the right precooler control valve sensor per vendor's overhaul manual. Task card procedures apply to on-airplane portion only (removal/installation).

A. References

Reference	Title
AMM 36-00-00-860-805	Supply Pressure Upstream of the PRSOV (P/B 201)
AMM 36-00-00-860-806	Remove Pressure from the Pneumatic System (P/B 201)

B. Consumable Materials

Reference	Description	Specification
D00006	Compound - Antiseize Pure Nickel Special - Never-Seez NSBT	BAC5008
D00010	Compound - Thread Antiseize, High Temperature	MIL-PRF-907
G00091	Compound - Oxygen System Leak Detection - Snoop Leak Detector	MIL-PRF-25567

EFFECTIVITY AKS ALL	SOURCE MRB	PRECOOLER CONTROL VALVE SENSOR - RIGHT	
		D633A109-AKS 36-030-02-01	Page 1 of 7 Feb 15/2016



737-600/700/800/900 TASK CARDS

	DATE		TAI	NUMBER		STATION	AIRLINE CARD NO.	36-030			
. <u>Pr</u>		r Cor	3-000-801 ntrol Valve \$	Sensor Remo	oval				MECH	IN	
Α.	. Pre	Prepare to Remove the Valve Sensor									
	SUBTASK 36-12-03-860-001										
	WA	WARNING: YOU MUST RELEASE THE PRESSURE IN THE PNEUMATIC DUCT BEFORE YOU REMOVE A PNEUMATIC SYSTEM COMPONENT. THE HOT HIGH PRESSURE AIR IN THE PNEUMATIC DUCTS CAN CAUSE INJURIES TO PERSONS OR DAMAGE TO EQUIPMENT.									
	(1)		his task: Re K 36-00-00-		re from th	ne Pneumatic S	System, AMM				
			2-03-860-002								
	(2)			uit breakers a		safety tags:					
		Ro A A B	<u>w Col</u> 5 7	C00259 A	<mark>lame</mark> IR CONE IR CONE	DITIONING BLI	EED AIR VALVE ISLN EED AIR VALVES L EED AIR VALVES R				
	SUBT	SUBTASK 36-12-03-860-003									
	(3)										
		(a)	BLEED 1								
		(b)	BLEED 2								
		(c)	APU BLEE	ED .							
	SUBT	SUBTASK 36-12-03-010-001									
	(4)	(4) Remove the applicable access panel, do this step:									
		(a)	Open thes	e access pan	els:						
			<u>Number</u>	Name/Loc	ation						
			431BL 441BL			-	ut Fairing, Strut 1 ut Fairing, Strut 2				
В.	. Ren	nove	the Valve S	ensor							
			2-03-020-001								
	(1)	Disc	connect the	sense line [6].							
	suвт. (2)		²⁻⁰³⁻⁰²⁰⁻⁰⁰² sen the unio	n [5].							
	suвт. (3)	subtask 36-12-03-020-003 (3) Remove the four screws [3].									
		(a)	Keep the s	crews [3] for	installatio	n.					
	suвт. (4)		2-03-020-004 nove the val	ve sensor [1].							
	EFFECTIVITY SOURCE PRECOOLER CONTROL VALVE SENSOR - RIGHT										
			SALL		MRB	FRECOULER	CONTROL VALVE SENS	OIV - KIGUI			

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DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING (
						30-030	MECH	INSP	
	TASK 36-12-0						WILOTT	11401	
(5)		ve the union [5].							
	(a) k	Keep the union [5] for i	nstallation	1.					
	TASK 36-12-0			41					
(6)		ve the packing [2] and							
	(a) [Discard the packings if	they are	cracked, deform	ed or brittle.				
	SUBTASK 36-12-03-020-007								
(7)	Put a	cap on the sense line	[6] to keep	out unwanted i	material.				
	TASK 36-12-0		. 1						
(8)									
			END OF	TASK ———					
				T					
	AKS		SOURCE MRB	PRECOOLER C	ONTROL VALVE SENSO	R - RIGHT			
				D633A109-AKS			Page 3	of 7	
				36-030-02-01		F	eb 15/	2015	



737-600/700/800/900 TASK CARDS

I	DATE	TAIL NUMBER		STATION	AIR	RLINE CARD NO.	BOEING C 36-030			
TAS	SK 36-12-03-	400-801						MECH		
		ol Valve Sensor Install	<u>ation</u>							
(Fig	ure 1)									
A.	Expendabl	es/Parts								
	AMM Item	Description		AIPC Referen	се	AIPC Effectivit	У			
	1	Valve sensor		36-12-03-01-0	13	AKS ALL				
	2	Packing		36-12-03-01-0	20	AKS ALL				
	4	Packing		54-51-51-03-0	50	AKS ALL				
В.	Install the	Valve Sensor								
	SUBTASK 36-12-03-420-001									
	(1) Remove the cap from the sense line [6].									
	SUBTASK 36-12-0									
	(2) Remo	ve the cover from the bo	ss [7].							
	SUBTASK 36-12-0									
	(3) Make sure that the mating surfaces of the boss [7] and the valve sensor [1] are clean.									
	SUBTASK 36-12-03-640-001									
	(4) Apply a thin layer of Never-Seez NSBT compound, D00006 (alternate compound, D00010) on the external threads of the union [5].									
	SUBTASK 36-12-03-860-004									
	(5) Install the union [5] and the packing [4] on the valve sensor [1] by hand at this time.									
	SUBTASK 36-12-03-420-003									
	(6) Install the packing [2] on the valve sensor [1].									
	subtask 36-12-03-640-002 (7) Apply a thin layer of Never-Seez NSBT compound, D00006 (alternate compound,									
		a thin layer of Never-Sec 10) to the external threac			06 (a	alternate compou	nd,			
	SUBTASK 36-12-0	3-860-005								
	CAUTION:	THE VALVE SENSOR OF THE VALVE SENSOR IF FOR CALIBRATION.								
	(8) Install	the valve sensor [1] on t	he boss	[7].						
	٠,,	nstall the four screws [3] Newton-meters).	and the	n tighten to 22.5-2	7.5 p	oound-inches (2.5	5-3.1			
	(b) -	Fighten the union [5] to 1	55 in-lb	(17.5 N·m) - 165 ir	ı-lb (18.6 N·m).				
	SUBTASK 36-12-0	3-420-004								
	(9) Install	the sense line [6].								
	(a) -	Γighten the B-nut on the	sense lir	ne [6] to 135 in-lb (15.3	N·m) - 145 in-lb	(16.4 N·m).			

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[DATE		TAIL	TAIL NUMBER		STATION	AIRLINE CARD NO.		6 CARD NO. 8 0-02-01	
C.	SUBTASK 36-12-03-860-009									IN
	(1)	F/O	Electrical S	ystem Par	nel, P6-4	se circuit breake	ers:			
		Rov A A B	5 C	lumber 000259 000796	AIR CONE	DITIONING BLE	ED AIR VALVE ISLN ED AIR VALVES L ED AIR VALVES R			
	suвти (2)	ASK 36-12	2-03-860-010				V, AMM TASK 36-00-00	860 805		
	` ,		•	ply Flessu	iie Opsiiea	in or the FRSO	V, AIVIIVI TASK 30-00-00	-000-003.		
	(3)	Do tl	²⁻⁰³⁻⁷⁹⁰⁻⁰⁰¹ hese steps to nections.	o look for le	eaks at the	precooler contro	ol valve sensor sense li	ne		
		(a)	Apply leak of connections		noop Leak	Detector compo	und, G00091 at the ser	nse line		
		(b)	Look to see	if the sens	se line con	nections have le	aks.			
			1) No lea	akage is pe	rmitted at t	the sense line co	onnections.			
			NOTE	: You mus	t repair all	leakage at the s	sense line connections.			
	SUBTASK 36-12-03-860-011									
	(4) Do this task: Remove Pressure from the Pneumatic System, AMM TASK 36-00-00-860-806.									
D.	Put	the A	irplane to It	s Usual Co	ondition					
	SUBTASK 36-12-03-860-006									
	(1)	Insta	all the applica	able access	s panel, do	this step:				
		(a)	Close these	access pa	anels:					
			<u>Number</u>	Name/Lo						
			431BL			-	t Fairing, Strut 1			
			441BL	Forward	Strut Fairir	ng, Lett Mid Stru	t Fairing, Strut 2			
	SUBTASK 36-12-03-860-007 (2) Remove the DO-NOT-OPERATE tag from the switches that follow on the P5-10 panel:									
	(2)		BLEED 1	NOT-OFE	NATE lay I	ioni the switche	s that follow off the F3-	то рапет.		
		(a)	BLEED 1							
		(b)		D						
		(c)	APU BLEEI	ט						
					- END OF	TASK ———				
			ECTIVITY S ALL		source MRB	PRECOOLER C	ONTROL VALVE SENSO	R - RIGHT		L
						D633A109-AKS 36-030-02-01			Page 5	



