## **CHAPTER**

# 34

# **NAVIGATION**





## **CHAPTER 34 NAVIGATION**

Subje	ect/Page	Date	coc	Subje	ct/Page	Date	COC	Subject/Page	Date	COC
34-E	FFECTIVE	E PAGES		34-05	50-00-01	SYS		34-060-10-01	SYS (cont)	
	1 thru 2	JUN 15/2016			1	Feb 15/2016		A 18	Jun 15/2016	
34-0	10-00-01	SYS		R	2	Jun 15/2016		A 19	Jun 15/2016	
	1	Jun 15/2015			3	Feb 15/2016		A 20	Jun 15/2016	
R	2	Jun 15/2016			4	Feb 15/2016		A 21	Jun 15/2016	
	3	Feb 15/2015			5	Feb 15/2016		A 22	Jun 15/2016	
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	5	Feb 15/2015			7	Feb 15/2016		A 24	Jun 15/2016	
	6	Oct 15/2015			8	Feb 15/2016		A 25	Jun 15/2016	
	7	Oct 15/2015			9	Feb 15/2016		A 26	Jun 15/2016	
34-0	20-00-01	SYS		34-06	80-00-01	SYS		A 27	Jun 15/2016	
	1	Jun 15/2015			1	Feb 15/2016		A 28	Jun 15/2016	
R	2	Jun 15/2016		R	2	Jun 15/2016		A 29	Jun 15/2016	
	3	Feb 15/2015			3	Feb 15/2015		34-070-00-01	SYS	
	4	Feb 15/2015			4	Oct 15/2014		1	Oct 15/2014	
	5	Feb 15/2015			5	Oct 15/2014		2	Feb 15/2015	
	6	Oct 15/2015			6	Feb 15/2016		3	Jun 15/2015	
	7	Oct 15/2015			7	Oct 15/2015		4	Jun 15/2015	
34-0	30-00-01	SYS			8	Oct 15/2015		34-080-00-01	SYS	
	1	Jun 15/2015		34-06	80-10-01	SYS		1	Oct 15/2014	
R	2	Jun 15/2016		R	1	Jun 15/2016		2	Feb 15/2015	
	3	Feb 15/2015		R	2	Jun 15/2016		3	Oct 15/2015	
	4	Feb 15/2015		R	3	Jun 15/2016		4	Oct 15/2015	
	5	Feb 15/2015		R	4	Jun 15/2016		5	Oct 15/2015	
	6	Oct 15/2015		R	5	Jun 15/2016		6	Oct 15/2015	
	7	Oct 15/2015		R	6	Jun 15/2016		34-090-00-01	SYS	
34-0	40-00-01	SYS		R	7	Jun 15/2016		1	Jun 15/2015	
	1	Feb 15/2015		R	8	Jun 15/2016		2	Feb 15/2015	
R	2	Jun 15/2016		R	9	Jun 15/2016		R 3	Jun 15/2016	
'`	3	Feb 15/2015		R	10	Jun 15/2016		34-100-00-01	SYS	
	4	Oct 15/2014		R	11	Jun 15/2016		1	Jun 15/2015	
	5	Oct 15/2014 Oct 15/2014		R	12	Jun 15/2016		2	Feb 15/2015	
	6	Oct 15/2014		Α	13	Jun 15/2016		3	Oct 15/2015	
	7	Oct 15/2014 Oct 15/2014		Α	14	Jun 15/2016		34-110-00-01	SYS	
	8	Oct 15/2014 Oct 15/2015		Α	15	Jun 15/2016		1	Jun 15/2015	
	9	Oct 15/2015 Oct 15/2015		Α	16	Jun 15/2016		2	Jun 15/2015	
	Ð	OUL 13/2013		Α	17	Jun 15/2016		3	Jun 15/2015	

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

## **34-EFFECTIVE PAGES**





## **CHAPTER 34 NAVIGATION**

Subject/Page	Date	COC	Subject/Page	Date	COC	Subject/Page	Date	COC
34-110-00-01	SYS (cont)		34-110-00-02	SYS (cont)				
4	Feb 15/2015		A 33	Jun 15/2016				
5	Feb 15/2015		34-130-00-01	SYS				
6	Jun 15/2015		1	Jun 15/2015				
34-110-00-02	SYS		2	Jun 15/2015				
1	Jun 15/2015		3	Feb 15/2016				
2	Feb 15/2015		4	Feb 15/2016				
R 3	Jun 15/2016		5	Jun 15/2015				
R 4	Jun 15/2016		6	Feb 15/2016				
R 5	Jun 15/2016		7	Oct 15/2015				
O 6	Jun 15/2016		8	Oct 15/2015				
R 7	Jun 15/2016		34-140-00-01	SYS				
O 8	Jun 15/2016		1	Jun 15/2015				
R 9	Jun 15/2016		2	Jun 15/2015				
O 10	Jun 15/2016							
R 11	Jun 15/2016							
O 12	Jun 15/2016							
R 13	Jun 15/2016							
O 14	Jun 15/2016							
O 15	Jun 15/2016							
R 16	Jun 15/2016							
R 17	Jun 15/2016							
O 18	Jun 15/2016							
O 19	Jun 15/2016							
R 20	Jun 15/2016							
O 21	Jun 15/2016							
R 22	Jun 15/2016							
O 23	Jun 15/2016							
R 24	Jun 15/2016							
R 25	Jun 15/2016							
R 26	Jun 15/2016							
O 27	Jun 15/2016							
O 28	Jun 15/2016							
R 29	Jun 15/2016							
O 30	Jun 15/2016							
O 31	Jun 15/2016							
R 32	Jun 15/2016							

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

## **34-EFFECTIVE PAGES**





AIRLINE	E CARD NO	PITOT STATIC SYSTEM LEAK CHECK			34-010	
DATE	TASK FUNCTIONAL				RELATE	D CARD
TAIL NUMBER	WORK AREA FUSELAGE	VERSION 1.1	THRESHOLD  24 MO	REPEAT <b>24 MO</b>	APPLIC. AIRPLANE	ABILITY ENGINE
STATION	SKILL AVION				ALL	ALL
		ACCESS			ZONE 113 114 121 122 2	211 212 221 222

Functional leak check of captain's pitot system.

#### A. References

Reference Title

AMM 24-22-00-860-813 Supply External Power (P/B 201)

#### B. Consumable Materials

ReferenceDescriptionSpecificationG00034Cotton Wiper - Process Cleaning Absorbent Wiper<br/>(Cheesecloth, Gauze)BMS15-5 Class A

#### 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-13545	Air Data Test Set (non RVSM) used for Leak Checks	
	Part #: 1811HA-463 Supplier: 21844 Part #: 6005KTQA1-103 Supplier: 35012 Part #: MODEL 6150 Supplier: 0RDZ5 Opt Part #: ADC800 Supplier: 41364	

EFFECTIVITY AKS ALL	SOURCE MRB	PITOT STATIC SYSTEM LEAK CHECK	
		D633A109-AKS 34-010-00-01	Page 1 of 7 Jun 15/2015



DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. 34-010-00-01
(Continued)		1		
Reference	Desc	ription		
, , ,	Test S Part Part Part Part Part Part Part Part	#: 18910920000 S #: ADTS405F Sup #: ADTS530 Supp #: ADTS552F Sup #: D60340MK Sup #: DPS1000 Supplie #: DPS350 Supplie #: DPS450 Supplie #: MODEL 6300 S #: MPS45 Supplie #: TES9463 S	plier: U0427 lier: U0427 plier: U0427 plier: U0427 plier: K1474 lier: 21844 er: 21844 er: 21844 upplier: 0RDZ5 ier: 48RQ2 r: A0197 r: 48RQ2 r: 48RQ2 lier: 88277 Supplier: 41364 D Supplier: 41364 D Supplier: 41474 pplier: K1474 pplier: K1474 upplier: K1474 upplier: 48RQ2 cally included in Air Data Accessory	
EFFECT AKS A		SOURCE MRB PITOT STA  D633A109- 34-010-00-		Page 2 of 7 Jun 15/2016



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

	DATE		7	TAIL NUMBER		STATION	AIRLINE CARD NO.	34-010-		
. <u>L</u>	_eft Pito	-11-00-79 t System		Test					MECH	I
(	Figure 1	)								
	A. Pre	pare for t	the Le	ak Test						
	SUBT	ASK 34-11-00-8	860-123							
	WA	-	WHEN	YOU SIMU TARGETS.	ILATE ALTIT THESE TCA	UDE. YOU CA S TARGETS	ERS ARE IN STANDBY AN ACCIDENTALLY CAL CAN CAUSE AIR TRAFF VASIVE MANEUVERS.	JSE FALSE		
	(1)	Make sı	ure tha	t the ATC tra	ansponders	are in standby	mode.			
	SUBT	ASK 34-11-00-8	860-124		•	•				
	(2)	Make sı	ure tha	t the Autopil	ot Flight Dire	ector System i	is off.			
	SUBT	ASK 34-11-00-8	860-125							
	(3)				and IRS L sv e off position		e IRS Mode Select Unit, I	ocated on		
	SUBT	ASK 34-11-00-8	860-195							
	(4)	Make su	ure tha	t AOA vanes	s are set to z	ero degrees.				
	SUBT	ASK 34-11-00-8	860-126							
	(5)	Open th	ese ci	rcuit breake	rs and install	safety tags:				
		CAPT E	Electric	cal System	Panel, P18-	3				
		Row	<u>Col</u>	Number	<u>Name</u>					
		С	1	C00523	HEATERS	CAPT PITOT	Γ			
		С	2	C00238		TEMP PROB				
		C	3	C01072		ALPHA VANI				
		D	3	C01071		ALPHA VANI	E RIGHT			
		D D	5 6	C00525 C00524		F/O PITOT AUX PITOT				
		D	0	C00324	HEATERS	AUX PITOT				
		F/O Ele	ctrical	System Pa	anel, P6-2					
		Row	<u>Col</u>	<u>Number</u>	<u>Name</u>					
		Α	6	C00566	FLIGHT C	ONTROL FLA	AP LOAD RELIEF			
	SUBT	ASK 34-11-00-8	860-127							
	(6)	Do this	task: S	Supply Exter	nal Power, A	MM TASK 24	-22-00-860-813.			
					•		APU generator power w the ADIRU to adjust its			
	SUBT	ASK 34-11-00-8	860-128							
	(7)	Make su	ure tha	t this circuit	breaker is o	pen and has s	safety tag:			
		CAPT E	Electric	cal System	Panel, P18-	3				
		Row	Col	<u>Number</u>	<u>Name</u>					
		С	1	C00523	HEATERS	CAPT PITOT	Г			
										L

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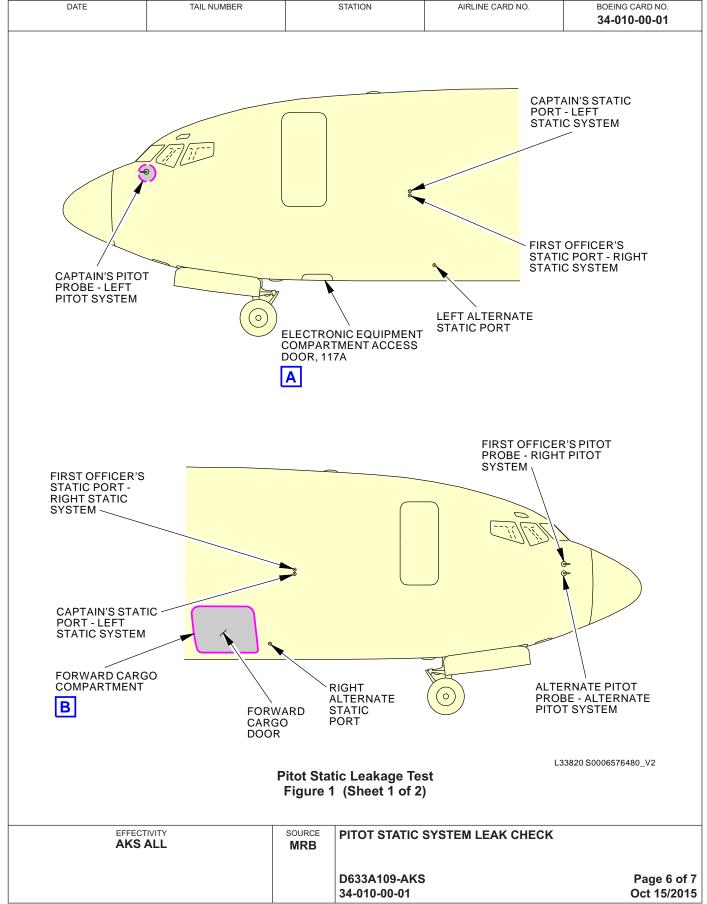
#### 737-600/700/800/900 **TASK CARDS**

5			TAIL NUMBER	IAS	K CARDS	AIDLINE CARRAGO	DOENIO CO	D.N.O.			
DA	ıE		TAIL NUMBER		STATION	AIRLINE CARD NO.	34-010-00				
В. І	Insta	llation	ո of Pitot Probe Adaլ	oter			N	IECH	Ī		
	SUBTAS	SK 34-11-0	00-170-076								
(	(1)	Prepa	re the pitot test adapt	er, COM-19	916, before you	install it on the pitot pro	be:				
		CAUT	WITH WATER	BEFORE Y	OU ATTACH TI	TOT SYSTEM TEST AD HE ADAPTER TO THE PTER CAN OCCUR.	1				
		(a)	Flush the adapter with	water.							
		<u>!</u>			and ethylene g (-40°C to 0°C).	lycol when the tempera	ture is				
	(b) Blow dry filtered air through the adapter.										
:	SUBTASK 34-11-00-160-002										
<u>'</u>	<u>WARNING</u> : MAKE SURE THAT THE PITOT PROBE HEAT IS OFF. A HOT PROBE CAN CAUSE INJURIES TO PERSONNEL.										
(	(2) Wipe the pitot probe with a damp cotton wiper, G00034.										
SUBTASK 34-11-00-480-130											
9	<u>CAUTION</u> : MAKE SURE THAT THE PITOT PROBE HAS NO ADDED WEIGHT ON IT FROM THE TEST HOSE. THE PROBE CAN BEND OR TWIST OUT OF TOLERANCE.										
(	(3) Install the pitot test adapter, COM-1916 on the pitot probe on the left side of the forward fuselage.										
•	SUBTAS		00-480-131								
(	(4)		ect the air data model 13545 to the pitot tes			Air Data Test Set (non	RVSM),				
<b>C</b> . I	Left	Pitot S	System Leak Test								
	SUBTAS	SK 34-11-0	00-790-084								
9	CAU	TION:		URE THAT	IS MORE THAI	AIR DATA MODULE (AI N 39.865 INCHES HG (	,				
(	(1)		ate the air data test se psig) (153.4 ±5.4 mB			±0.16 inches Hg (gaug	e), (2.22				
,	SUBTAS	SK 34-11-0	00-790-085								
(	(2)	When	the test pressure is re	eached, sto	p for one minut	e to allow the system to	stabilize.				
,	SUBTAS	SK 34-11-0	00-790-086								
(	(3)	Set th	e air data test set for	the leak ch	eck.						
			00-790-087		. <u>.</u>	0.401					
(	(4)		sure the pressure doe eximately 5 knots) in c			0.16 inches Hg (5.4 ml	3)				
SUBTASK 34-11-00-860-129											
(	(5)	Put th	e system back to amb	pient pressi	ıre.						
		EFFEC <b>AKS</b>		SOURCE MRB	PITOT STATIC	SYSTEM LEAK CHECK					
					D633A109-AKS 34-010-00-01	i e	Pa Feb	ge 4			

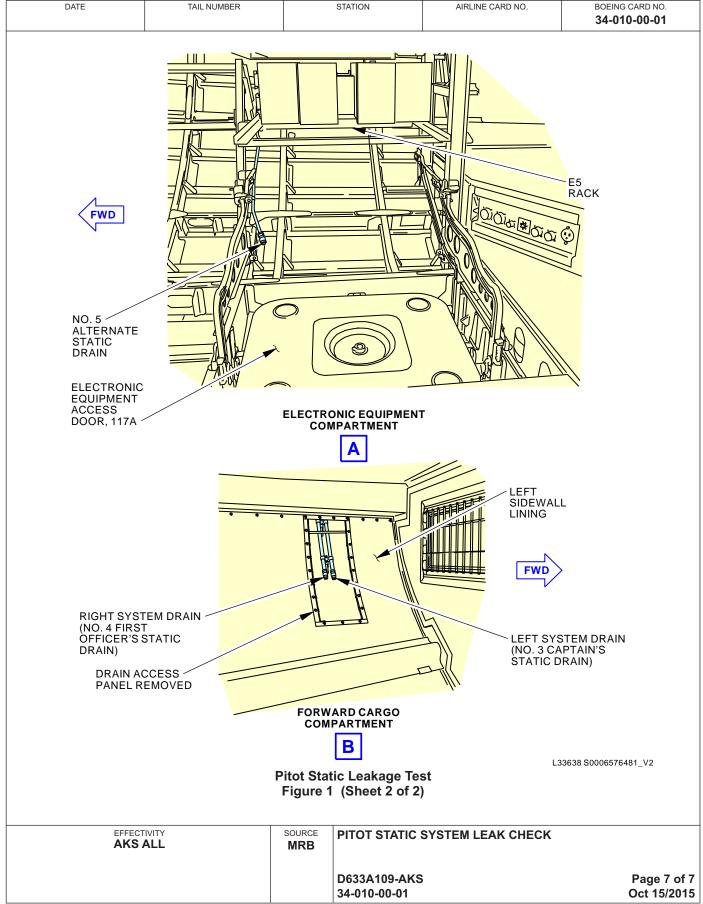


D									
	ATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA 34-010-		
D.	SUBTASK 34-11-0	0-080-069 MAKE BEFOF	RE YOU DISC AT AMBIENT	TOT-STAT	THE TEST SET	AT AMBIENT PRESS . IF THE PITOT-STAT TO THE AIR DATA MC	IC SYSTEM	MECH	IN
	SUBTASK 34-11-0	0-080-070			ne pitot test ada 916 from the pit	pter, COM-1916.			
E.	Put the Air SUBTASK 34-11-0 (1) Remo	plane B <sub>0-860-131</sub> ve the s	ack to Its Us	ual Condit	tion se circuit breake	•			
	Row C C C D D		Number C00523 C00238 C01072 C01071	Name HEATERS HEATERS HEATERS HEATERS	G CAPT PITOT G TEMP PROBE G ALPHA VANE G ALPHA VANE G F/O PITOT G AUX PITOT	LEFT			
	<b>F/O E</b> <u><b>Row</b></u> A		Number C00566	<u>Name</u> FLIGHT C		LOAD RELIEF			
				- LIND OI	TASK ———				













AIRLINI	AIRLINE CARD NO		TITLE  TATIC SYSTEM LEA	BOEING 0 34-020		
DATE	TASK FUNCTIONAL				RELATE	D CARD
TAIL NUMBER	WORK AREA FUSELAGE	VERSION 1.1	THRESHOLD  24 MO	REPEAT <b>24 MO</b>	APPLIC.	ABILITY ENGINE
STATION	SKILL AVION				ALL	ALL
		ACCESS			ZONE 113 114 121 122 2	211 212 221 222

Functional leak check of first officer's pitot system.

#### A. References

ReferenceTitleAMM 24-22-00-860-813Supply External Power (P/B 201)

#### B. Consumable Materials

ReferenceDescriptionSpecificationG00034Cotton Wiper - Process Cleaning Absorbent Wiper<br/>(Cheesecloth, Gauze)BMS15-5 Class A

#### 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-13545	Air Data Test Set (non RVSM) used for Leak Checks	
	Part #: 1811HA-463 Supplier: 21844 Part #: 6005KTQA1-103 Supplier: 35012 Part #: MODEL 6150 Supplier: 0RDZ5 Opt Part #: ADC800 Supplier: 41364	

EFFECTIVITY AKS ALL	SOURCE MRB	PITOT STATIC SYSTEM LEAK CHECK	
		D633A109-AKS 34-020-00-01	Page 1 of 7 Jun 15/2015



DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. 34-020-00-01
(Continued)		1		
Reference	Desc	ription		
, , ,	Test S Part Part Part Part Part Part Part Part	#: 18910920000 Sup #: ADTS405F Supplier #: ADTS530 Supplier #: ADTS552F Supplier #: D60340MK Supplier #: DPS1000 Supplier: #: DPS350 Supplier: #: DPS450 Supplier: #: MODEL 6300 Sup #: MPS45 Supplier: #: MPS43 Supplier: #: MPS45 Supplier: #: TES9463 Supplier: Part #: 01-0987-00 Supplier Part #: 18910480000 Part #: ADTS505 Sup Part #: D60340 Suppl Part #: D60383 Suppl Part #: DPS500 Supp Part #: MPS31C Suppl Part #: MPS41 Suppl Part #: MPS	er: U0427 : U0427 er: U0427 er: K1474 : 21844 21844 21844 blier: 0RDZ5 48RQ2 0197 8RQ2 8RQ2 88277 upplier: 41364 Supplier: 41364 Supplier: 89944 plier: U0427 ier: K1474 ier: K1474 ier: K1474 lier: 21844 blier: 48RQ2 y included in Air Data Acc	
EFFECTI AKS A		SOURCE MRB PITOT STATION  D633A109-AK 34-020-00-01	SYSTEM LEAK CHECK	Page 2 of 7 Jun 15/2016



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

DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO.
				34-020-00-01

TASK 34-11-00-790-811

MECH INSP

#### 1. Right Pitot System Leak Test

(Figure 1)

#### A. Prepare for the Leak Test

SUBTASK 34-11-00-860-133

WARNING: MAKE SURE THAT THE ATC TRANSPONDERS ARE IN STANDBY MODE

WHEN YOU SIMULATE ALTITUDE. YOU CAN ACCIDENTALLY CAUSE FALSE TCAS TARGETS. THESE TCAS TARGETS CAN CAUSE AIR TRAFFIC IN THE VICINITY TO EXECUTE UNNECESSARY EVASIVE MANEUVERS.

(1) Make sure that the ATC transponders are in standby mode.

SUBTASK 34-11-00-860-134

(2) Make sure that the Autopilot Flight Director System is off.

SUBTASK 34-11-00-860-135

(3) Make sure that the IRS R and IRS L switches on the IRS Mode Select Unit, located on the P5-69 panel, are in the off position.

SUBTASK 34-11-00-860-196

(4) Make sure the AOA vanes are set to zero degrees.

SUBTASK 34-11-00-860-136

(5) Open these circuit breakers and install safety tags:

#### **CAPT Electrical System Panel, P18-3**

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
С	1	C00523	HEATERS CAPT PITOT
С	2	C00238	HEATERS TEMP PROBE
С	3	C01072	HEATERS ALPHA VANE LEFT
D	3	C01071	HEATERS ALPHA VANE RIGHT
D	5	C00525	HEATERS F/O PITOT
D	6	C00524	HEATERS AUX PITOT

SUBTASK 34-11-00-860-137

(6) Do this task: Supply External Power, AMM TASK 24-22-00-860-813.

NOTE: You must use external power to do this test. APU generator power will not work for this test.

#### B. Installation of Pitot Probe Adapter

SUBTASK 34-11-00-170-077

(1) Prepare the pitot test adapter, COM-1916 before you install the adapter on the pitot probe:

EFFECTIVITY AKS ALL	SOURCE MRB	PITOT STATIC SYSTEM LEAK CHECK	
		D633A109-AKS 34-020-00-01	Page 3 of 7 Feb 15/2015



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

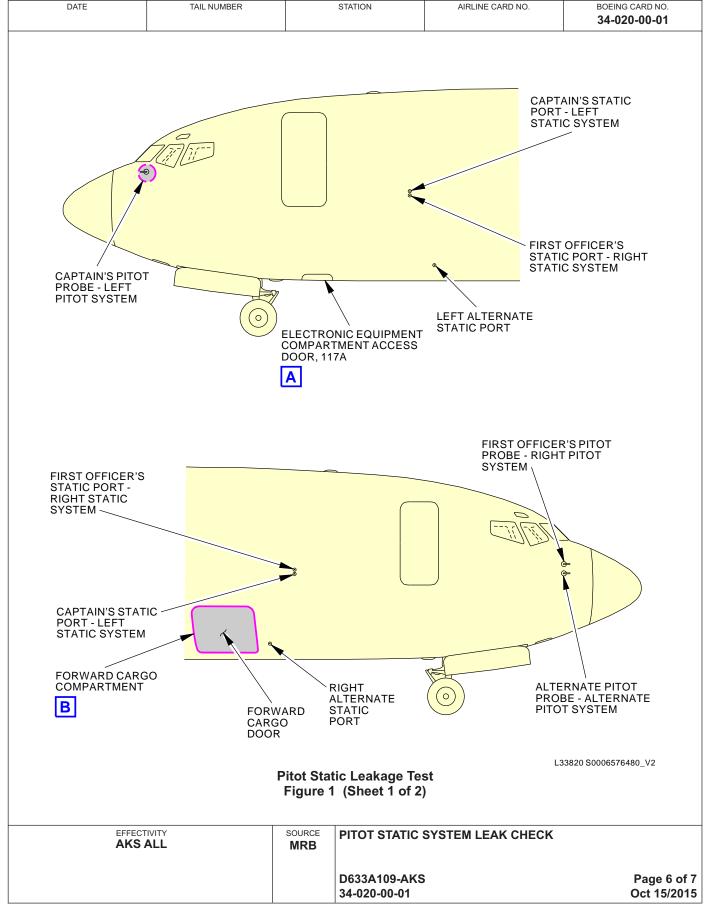
		1710	K CARDS							
DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 34-020		_			
CAUT		EFORE Y	OU ATTACH TI	TOT SYSTEM TEST AI HE ADAPTER TO THE PTER CAN OCCUR.		MECH				
(a) F	Flush the adapter with v									
. ,	NOTE: Use equal parts of water and ethylene glycol when the temperature is between 32°F and -40°F (-40°C to 0°C).									
(b) E	Blow dry filtered air thro	ough the a	dapter.							
SUBTASK 34-11-00	D-160-003						ĺ			
WARNING:	MAKE SURE THAT T			Γ IS OFF. A HOT PROE	BE CAN					
(2) Wipe t	(2) Wipe the pitot probe with a damp cotton wiper, G00034.									
SUBTASK 34-11-00	0-480-133									
CAUTION:	CAUTION: MAKE SURE THAT THE PITOT PROBE HAS NO ADDED WEIGHT ON IT FROM THE TEST HOSE. THE PROBE CAN BEND OR TWIST OUT OF TOLERANCE.									
	<ul> <li>(3) Install the pitot test adapter, COM-1916 on the upper pitot probe on the right side of the forward fuselage.</li> <li>SUBTASK 34-11-00-480-134</li> <li>(4) Connect the air data model test set, COM-1914 or the Air Data Test Set (non RVSM), COM-13545 to the pitot test adapter, COM-1916.</li> </ul>									
(4) Conne										
C. Right Pitot	System Leak Test									
SUBTASK 34-11-00	D-790-088									
CAUTION:	MAKE SURE THAT THE TOO HIGH. PRESSUI WILL CAUSE DAMAGE	RE THAT	IS MORE THAI	AIR DATA MODULE (A N 39.865 INCHES HG	,					
	te the air data test set t psig) (153.4 ±5.4 mB),			±0.16 inches Hg (gaug	je), (2.22					
SUBTASK 34-11-00	0-790-089									
(2) When	the test pressure is rea	ached, sto	p for one minut	e to allow the system to	o stabilize.					
SUBTASK 34-11-00										
. ,		ie leak ch	eck.							
(4) Make	(4) Make sure the pressure does not decrease more than 0.16 inches Hg (5.4 mB) (approximately 5 knots) in one minute.  SUBTASK 34-11-00-860-139 (5) Put the system back to ambient pressure.									
(5) Put the										
(3) Set suвтаsк 34-1 (4) Mak (арр suвтаsк 34-1	SUBTASK 34-11-00-790-091  (4) Make sure the pressure does not decrease more than 0.16 inches Hg (5.4 mB) (approximately 5 knots) in one minute.  SUBTASK 34-11-00-860-139						the air data test set for the leak check.  1-00-790-091  e sure the pressure does not decrease more than 0.16 inches Hg (5.4 mB)  proximately 5 knots) in one minute.  1-00-860-139			
EFFECT		SOURCE		SYSTEM LEAK CHECK			L			

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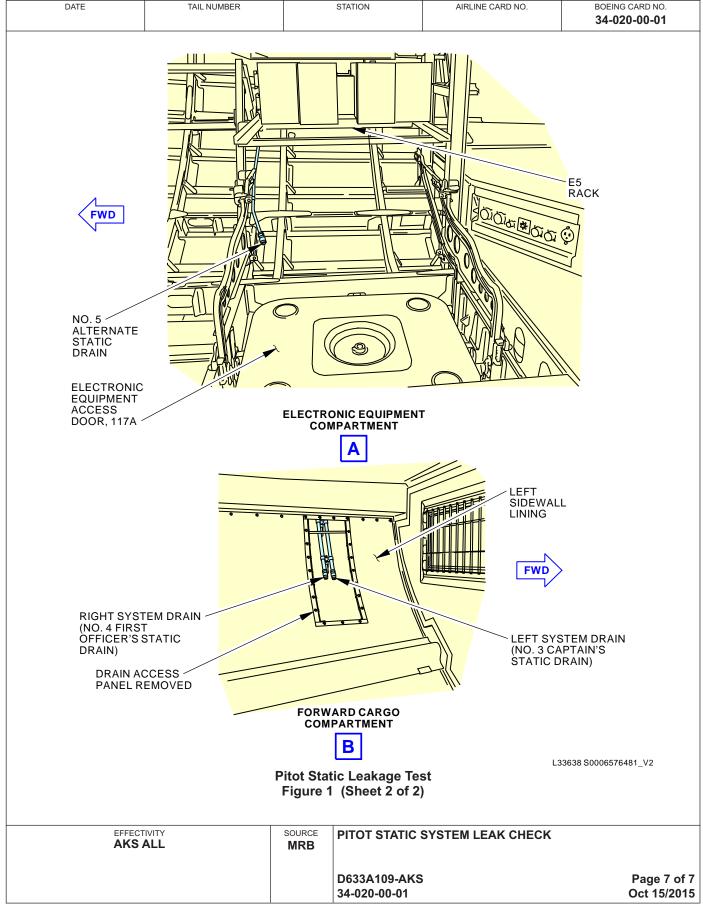


D. Removal of SUBTASK 34-11-0 CAUTION:  (1) Disconsubtask 34-11-0 (2) Removal (2) Removal (2) Removal (2) Removal (2) Removal (3) Removal (4) Removal (4) Removal (5) Removal (6) Removal (7) Removal













AIRLINE	AIRLINE CARD NO		PITOT STATIC SYSTEM LEAK CHECK			CARD NO. -00-01	
DATE	TASK FUNCTIONAL				RELATE	D CARD	
TAIL NUMBER	WORK AREA FUSELAGE	VERSION 1.1	THRESHOLD  24 MO	REPEAT <b>24 MO</b>	APPLIC. AIRPLANE	ABILITY ENGINE	
STATION	SKILL AVION				ALL	ALL	
		ACCESS			ZONE 113 114 121 122 211 212 221 222		

Functional leak check of standby pitot system.

#### A. References

Reference Title

AMM 24-22-00-860-813 Supply External Power (P/B 201)

#### B. Consumable Materials

ReferenceDescriptionSpecificationG00034Cotton Wiper - Process Cleaning Absorbent Wiper<br/>(Cheesecloth, Gauze)BMS15-5 Class A

#### C. Tools/Equipment

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Reference	Description	
COM-13545	Air Data Test Set (non RVSM) used for Leak Checks	
	Part #: 1811HA-463 Supplier: 21844 Part #: 6005KTQA1-103 Supplier: 35012 Part #: MODEL 6150 Supplier: 0RDZ5 Opt Part #: ADC800 Supplier: 41364	

EFFECTIVITY AKS ALL	SOURCE MRB	PITOT STATIC SYSTEM LEAK CHECK	
		D633A109-AKS 34-030-00-01	Page 1 of 7 Jun 15/2015



DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. <b>34-030-00-01</b>
(Continued)				
Reference	Desc	ription		
COM-1916	Part Part Part Part Part Part Part Part	#: 18910920000 Supp #: ADTS405F Supplie #: ADTS530 Supplier: #: ADTS552F Supplie #: D60340MK Supplier: #: DPS1000 Supplier: #: DPS350 Supplier: #: DPS450 Supplier: #: MODEL 6300 Supplier: #: MPS43 Supplier: Al #: MPS43 Supplier: Al #: MPS45 Supplier: Al #: MPS49 Supplier: Al #: TES9463 Supplier: Part #: 01-0987-00 Su Part #: ADTS505 Supplier: Part #: D60340 Supplier: Part #: D60340 Supplier: Part #: D60383 Supplier: Part #: DPS500 Supplier: Part #: DPS500 Supplier:	r: U0427 U0427 r: U0427 r: K1474 21844 21844 21844 dier: ORDZ5 48RQ2 0197 BRQ2 8RQ2 88277 pplier: 41364 Supplier: 89944 olier: U0427 er: K1474 er: K1474 er: K1474 ier: 21844 lier: 48RQ2	
		ı		
EFFECTIVI AKS AL		SOURCE MRB PITOT STATIC	SYSTEM LEAK CHECK	
		II II OI OIAIIO		Page 2 of 7



	Г	ATE			TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CAF <b>34-030-0</b>		
	TAS	K 34-	11-00-79	90-812					MECH	IN
	Alte	rnate	Pitot Sy	ystem	Leak Test					
		ure 1)								
	Α.	Prei	oare for	the Le	ak Test					
			SK 34-11-00-							
		WARNING: MAKE SURE THAT THE ATC TRANSPONDERS ARE IN STANDBY MODE WHEN YOU SIMULATE ALTITUDE. YOU CAN ACCIDENTALLY CAUSE FALSE TCAS TARGETS. THESE TCAS TARGETS CAN CAUSE AIR TRAFFIC IN THE VICINITY TO EXECUTE UNNECESSARY EVASIVE MANEUVERS.								
		(1)	Make s	ure tha	t the ATC tra	ansponders are in standb	by mode.			
		SUBTASK 34-11-00-860-144								
		(2) Make sure that the Autopilot Flight Director System is off.								
		<ul> <li>SUBTASK 34-11-00-860-145</li> <li>(3) Make sure that the IRS R and IRS L switches on the IRS Mode Select Unit, located on the P5-69 panel, are in the off position.</li> <li>SUBTASK 34-11-00-860-197</li> <li>(4) Make sure the AOA vanes are set to zero degrees.</li> </ul>								
			SK 34-11-00-							
		(5)	Open tl	hese ci	rcuit breake	rs and install safety tags:				
					_	Panel, P18-3				
			Row	Col	Number C00522	Name	NT.			
			C C	1 2	C00523 C00238	HEATERS CAPT PITC HEATERS TEMP PRO				
			C	3	C00230	HEATERS ALPHA VAN				
			D	3	C01071	HEATERS ALPHA VAN				
			D	5	C00525	HEATERS F/O PITOT				
			D	6	C00524	HEATERS AUX PITOT	-			
		SUBTA	SK 34-11-00-	860-147						
		(6)	Do this	task: S	Supply Exter	nal Power, AMM TASK 2	4-22-00-860-813.			
	NOTE: You must use external power to do this test. APU generator power will not work for this test.  B. Installation of the Pitot Probe Adapter									
		(4)	SK 34-11-00-		tot toot ada	otor COM 1016 hoforo v	ou install the adapter on th	o nitot		
		(1) Prepare the pitot test adapter, COM-1916 before you install the adapter on the pitot probe:								
			p							

AKS ALL SOURCE MRB		PITOT STATIC SYSTEM LEAK CHECK		
		D633A109-AKS 34-030-00-01	Page 3 Feb 15/	



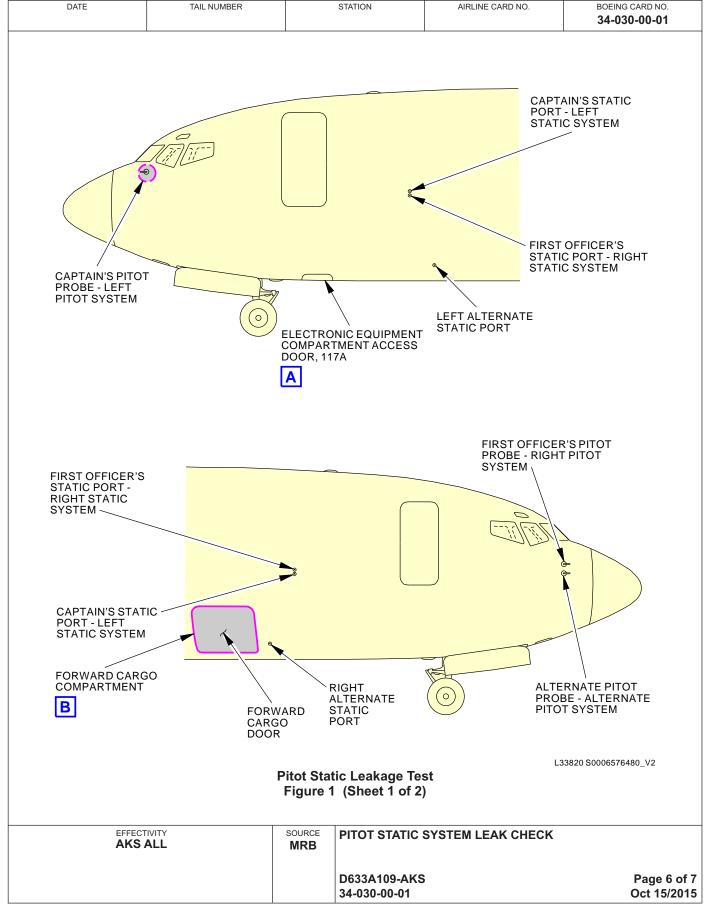
									TAS	K CAF	RDS								
	ATE				TAIL	. NUMBE	R			STATION		A	IRLINE CA	RD NO.				CARD NO. <b>)-00-01</b>	
		C	AU	TION	WIT	H WA	ATER	BEF	ORE Y	FLUSH 'OU AT' E OR TI	ACH T	HE AD	APTEF	R TO 1	ГНЕ Р			MECH	INSP
		(8	1)	Flush	the a								0,						
		,	,		E: Us	e equ	ıal paı	rts of	water	and eth			hen th	e tem	peratu	ıre is			
		(k	)	Blow	dry fil	tered	air th	rougl	h the a	adapter.									
	SUBT	ASK	34-11	-00-160-0	04														
	WA	RN	INC	_						T PROE	BE HEA	T IS OF	F. A H	OT PI	ROBE	CAN	N		
	(2)	٧	/ipe	the p	itot pr	obe v	vith a	dam	p cotto	n wiper	G0003	34.							
	SUBT	ASK	34-11	-00-480-	36														
	CAL	JTI	ON					—		T PROB E CAN E					•				
	(3)				pitot te selage		lapter	, COI	M-191	6 on the	lower	pitot pro	obe on	the ri	ght sid	de of	the		
	SUBT	ASK	34-11	-00-480-	37														
	(4)									OM-191 COM-19		e Air Da	ıta Tes	t Set (	non R	RVSM	1),		
C.	Alte	rn	ate	Pitot	Syste	m Le	ak Te	est											
	SUBT	ASK	34-11	-00-790-0	92														
	(1)		•							oressure 5 knots.	of 4.53	3 ±0.16	inches	Hg (g	jauge	), (2.2	22		
	suвт/ (2)			-00-790-0 n the		essu	re is r	each	ed, sto	op for or	e minu	ite to al	low the	syste	em to	stabil	lize.		
		ASK	34-11	-00-790-0	94														
	(3)	S	et t	he air	data t	test s	et for	the le	eak ch	eck.									
		N	lake		the p				ot decr ninute.	ease m	ore thar	n 0.16 i	nches	Hg (5.	.4 mB	)			
	SUBT	ASK	34-11	-00-860-	49														
	(5)	Ρ	ut t	he sy	stem b	oack t	o amb	oient	pressi	ure.									
D.	Ren	nov	/al	of the	Pitot	Prob	e Ad	apte	r										
	SUBT	ASK	34-11	-00-080-0	73														
	CAU	JTI	ON	BEI IS I	FORE	YOU	DISC	CONN	NECT	TIC SYS THE TE RE, DA	ST SET	T. IF TH	E PITO	OT-ST	ATIC :	SYST	TEM		
	(1)	D	isco	onnec	t the a	air dat	ta test	t set t	from th	ne pitot t	est ada	apter, C	OM-19	916.					
				CTIVITY					OURCE	PITOT	STATIC	SYSTE	M LEAI	K CHE	СК				

AKS ALL	MRB	PHOT STATIC SYSTEM LEAR CHECK	
		D633A109-AKS 34-030-00-01	Page 4 of 7 Feb 15/2015

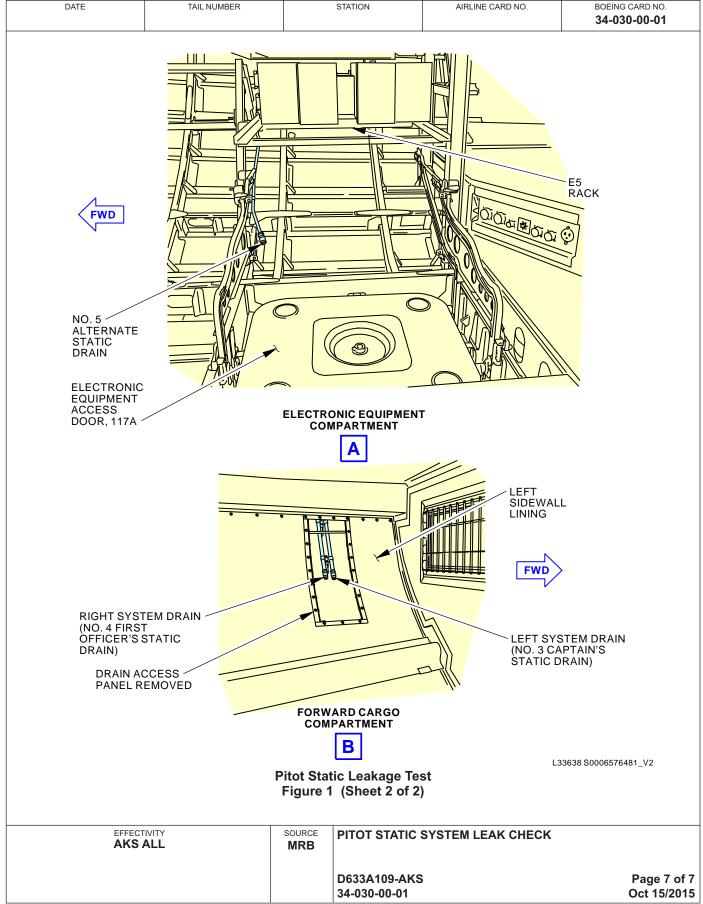


	< 34-11-00-0	180-074							
		e the p	itot test ada <sub>l</sub>		1916 from the pite	ot probe.	M	IECH	INS
			ack to its o	Suai Cond	iitioii				
			afetv tags ar	nd close th	ese circuit breake	ers:			
,									
	Row	Col	Number	Name					
	С	1	C00523	HEATER	S CAPT PITOT				
	С	2							
						RIGHT			
	<b>D</b>	Ü	0000 <b>2</b> 4						
				— END OI	r IASK ———				
	EEFFOT"	/ITV		2011005	DITOT OTATIO	WOTEN LEAV OUT OF			_
	AKS A			MRB	PHOT STATIC S	SYSIEM LEAK CHECK			
					D633A109-AKS		-	ge 5	_
	1) I	CAPT E Row C C C D D D D	CAPT Electric Row Col C 1 C 2 C 3 D 3 D 5 D 6	CAPT Electrical System	1) Remove the safety tags and close th  CAPT Electrical System Panel, P18  Row Col Number Name  C 1 C00523 HEATER  C 2 C00238 HEATER  C 3 C01072 HEATER  D 3 C01071 HEATER  D 5 C00525 HEATER  D 6 C00524 HEATER  END OI	CAPT Electrical System Panel, P18-3  Row Col Number Name  C 1 C00523 HEATERS CAPT PITOT C 2 C00238 HEATERS TEMP PROBE C 3 C01072 HEATERS ALPHA VANE D D 3 C01071 HEATERS ALPHA VANE D D 5 C00525 HEATERS F/O PITOT D 6 C00524 HEATERS AUX PITOT  END OF TASK  EFFECTIVITY SOURCE PITOT STATIC S	The Remove the safety tags and close these circuit breakers:  CAPT Electrical System Panel, P18-3  Row Col Number Name  C 1 C00523 HEATERS CAPT PITOT C 2 C00238 HEATERS TEMP PROBE C 3 C01072 HEATERS ALPHA VANE LEFT D 3 C01071 HEATERS ALPHA VANE RIGHT D 5 C00525 HEATERS F/O PITOT D 6 C00524 HEATERS AUX PITOT  END OF TASK   END OF TASK	1) Remove the safety tags and close these circuit breakers:  CAPT Electrical System Panel, P18-3  Row Col Number Name  C 1 C00523 HEATERS CAPT PITOT  C 2 C00238 HEATERS TEMP PROBE  C 3 C01072 HEATERS ALPHA VANE LEFT  D 3 C01071 HEATERS ALPHA VANE RIGHT  D 5 C00525 HEATERS FO PITOT  D 6 C00524 HEATERS AUX PITOT  END OF TASK   EFFECTIVITY  SOURCE PITOT STATIC SYSTEM LEAK CHECK	1) Remove the safety tags and close these circuit breakers:  CAPT Electrical System Panel, P18-3  Row Col Number Name  C 1 C00523 HEATERS CAPT PITOT  C 2 C00238 HEATERS TEMP PROBE  C 3 C01072 HEATERS ALPHA VANE LEFT  D 3 C01071 HEATERS ALPHA VANE RIGHT  D 5 C00525 HEATERS AUX PITOT  ——END OF TASK——  END OF TASK——













AIRLINE	CARD NO	PITOT ST	TITLE ATIC SYSTEM LEA	K CHECK	BOEING 0 34-040	
DATE	TASK FUNCTIONAL				RELATE	D CARD
TAIL NUMBER	WORK AREA FUSELAGE	VERSION 1.1	THRESHOLD  24 MO	REPEAT <b>24 MO</b>	APPLICA AIRPLANE	ABILITY ENGINE
STATION	SKILL AVION				ALL	ALL
		ACCESS			ZONE 113 114 121 122 2	211 212 221 222

Functional leak check of captain's static system.

#### A. References

Reference	Title
AMM 24-22-00-860-813	Supply External Power (P/B 201)
AMM 25-52-06-000-801	Cargo Compartment Sidewall Lining - Removal (P/B 401)
AMM 25-52-06-400-801	Cargo Compartment Sidewall Lining - Installation (P/B 401)

#### B. Consumable Materials

Reference	Description	Specification
G02219	Tape - Yellow Vinyl Adhesive, Scotch Brand	
	No.471, 1.5 Inches (38.1 mm) Wide	

#### 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-13545	Air Data Test Set (non RVSM) used for Leak Checks	
	Part #: 1811HA-463 Supplier: 21844 Part #: 6005KTQA1-103 Supplier: 35012 Part #: MODEL 6150 Supplier: 0RDZ5 Opt Part #: ADC800 Supplier: 41364	

EFFECTIVITY AKS ALL	SOURCE MRB	PITOT STATIC SYSTEM LEAK CHECK	
		D633A109-AKS 34-040-00-01	Page 1 of 9 Feb 15/2015



DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CARD NO. <b>34-040-00-01</b>
(Continued)					
Reference	Desc	ription			
Reference COM-1914	Test S Part Part Part Part Part Part Part Part	#: 189109 #: ADTS4 #: ADTS5 #: ADTS5 #: ADTS5 #: D6034 #: DPS35 #: DPS45 #: MPS45 #: MPS45 #: MPS45 #: MPS45 #: MPS45 #: TES94 Part #: 01 Part #: AE Part #: D6 Part #: D6	920000 Supplier: 030 Supplier: 052F Supplier: 000 Supplier: 250 Supplier: 250 Supplier: 260 Supplier	: U0427 : U0427 : U0427 : K1474 21844 1844 1844 ier: 0RDZ5 :8RQ2 197 RQ2 RQ2 88277 :plier: 41364 upplier: 89944 ier: U0427 :r: K1474 :r: K1474	nance)
	Opt	Part #: MI	PS31C Suppli		
COM-1921	Part		c Test LH-125-4 Sup 19725-4 Supp		
COM-1927	•	_	3-64C Supplie	Static System Drain Fit	ung
EFFECTIVI AKS AL		SOURCE MRB		SYSTEM LEAK CHECK	<u> </u>
			D633A109-AKS 34-040-00-01		Page 2 of 9 Jun 15/2016



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

DATE TAIL NUMBER STATION AIRLINE CARD NO. BOEING CARD NO. 34-040-00-01 месн I INSP TASK 34-11-00-790-804 **Left Static System Low-range Leak Test** (Figure 1) A. General You must do the static system low-range leak test when you remove a fitting other than a quick disconnect. You must do the low-range leak test after you flush the pitot-static system. (2) You can use either the drain coupling or the static port adapter to pressurize the static system. The drain coupling is recommended, but the static port adapter can be used if the drain coupling is not available. Prepare for the Low-range Leak Test В. SUBTASK 34-11-00-860-075 WARNING: MAKE SURE THAT THE ATC TRANSPONDERS ARE IN STANDBY MODE WHEN YOU SIMULATE ALTITUDE. YOU CAN ACCIDENTALLY CAUSE FALSE TCAS TARGETS. THESE TCAS TARGETS CAN CAUSE AIR TRAFFIC IN THE VICINITY TO EXECUTE UNNECESSARY EVASIVE MANEUVERS. (1) Make sure that the ATC transponders are in standby mode. SUBTASK 34-11-00-860-076 (2) Make sure that the Autopilot Flight Director System is off. Make sure that the IRS R and IRS L switches on the IRS Mode Select Unit, located on the P5-69 panel, are in the off position. SUBTASK 34-11-00-860-198 (4) Open this circuit breaker and install safety tag: F/O Electrical System Panel, P6-2 Row Col Number C00566 Α 6 FLIGHT CONTROL FLAP LOAD RELIEF SUBTASK 34-11-00-860-079 Do this task: Supply External Power, AMM TASK 24-22-00-860-813. **FFFFCTIVITY** SOURCE PITOT STATIC SYSTEM LEAK CHECK **AKS ALL MRB** D633A109-AKS Page 3 of 9

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Feb 15/2015



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

C.	ATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 34-040		
	Insta	llation	of Drain Coupling,	1QF2-3-64	C (Recommen	ded)	04-040	месн	INS
		SK 34-11-0			•	,			
	WAR	NING:	IS VISIBLE FROM T COVERINGS OVER	THE GROU R STATIC F EED-SENS	IND. FAILURE <sup>1</sup> PORTS BEFORI SING AND ALTI	MAKE SURE THAT C TO OBSERVE AND RE E FLIGHT MAY CAUSE TUDE-SENSING SIGN HT.	MOVE LARGE		
	CAU	TION:				PORTS. YOU CAN CAPUSH TAPE INTO THE			
	(1)	Seal t		ic ports with	h vinyl adhesive	Scotch Brand No.471	tape,		
		(a) -	The CAPTAIN static p	ort on the r	right side of the	fuselage.			
		(b)	The CAPTAIN static p	ort on the l	eft side of the fu	ıselage.			
	SUBTAS	SK 34-11-0	0-480-093						
		forwar		t. To do this	s, do this task: C	n the left sidewall lining Cargo Compartment Sid			
	SUBTAS	SK 34-11-0	0-480-094						
	(3)	Remo	ve the cap from the N	lo. 3 Capta	in's Static Drain				
		NOTE	: The No. 3 Captain's static system.	s Static Dra	ain is the forward	d drain, and is connecte	ed to the left		
	suвтая (4)	sk 34-11-0 Install	<sub>0-480-096</sub> the coupling, COM-1	927, on the	No. 3 Captain'	s Static Drain.			
						Air Data Test Set (non	RVSM),		
D.	Insta	llatior	of Static Port Adap	ter, 33410I	LH-125-4 (Optio	onal to the Drain Cou	oling)		
	SUBTAS	SK 34-11-0	0-400-012		` .		σ,		
	CAU	TION:		USE SCRA	TCHES ON TH	VLY AND CAREFULLY. E STATIC PORT, WHIC			
	` '		the static test adapte selage.	er, COM-192	21, on the CAP	TAIN static port, on the	right side of		
		sк 34-11-0 Conne	<sub>0-480-211</sub> ect the air data test se	et to the sta	tic test adapter,	COM-1921.			



DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	34-040-							
SURI	ΓASK 34-11-0	0.400.013			1		MECH						
		: WHEN THE STATIC IS VISIBLE FROM TH COVERINGS OVER	HE GROU STATIC P ED-SENS	IND. FAILURE PORTS BEFOR BING AND ALT	), MAKE SURE THAT CO TO OBSERVE AND RE RE FLIGHT MAY CAUSE ITUDE-SENSING SIGN GHT.	MOVE LARGE							
CA	UTION:				PORTS. YOU CAN CAPUSH TAPE INTO THE								
(3)		he CAPTAIN static port G02219.	t on the le	ft side of the fu	selage with Scotch Brar	nd No.471							
	Left Static System Low-range Leak Test												
	CAUTION: MAKE SURE THAT THE PRESSURE IN THE AIR DATA MODULE (ADM) IS NOT TOO HIGH. PRESSURE THAT IS MORE THAN 39.865 INCHES HG (1,350 MB) WILL CAUSE DAMAGE TO THE ADM.												
(1)	(1) Operate the air data test set to apply a vacuum to the static system equal to 5,000 feet of altitude above field elevation (ambient pressure minus 5.25 ± 0.25 in. Hg).												
suвт (2)	SUBTASK 34-11-00-790-061  (2) When the system reaches 5,000 feet above field elevation, stop for one minute to allow the system to stabilize.												
suвт (3)	rask 34-11-0 Set th	<sub>0-790-062</sub> e air data test set for th	ne leak ch	eck.									
suвт (4)	rask 34-11-0 Make		not decrea	ase more than	80 feet (0.07 in. Hg) in c	one minute.							
suвт (5)	SUBTASK 34-11-00-860-080												
` ,		•	·										
	Removal of Drain Coupling, 1QF2-3-64C SUBTASK 34-11-00-080-114												
CA	CAUTION: MAKE SURE THE PITOT-STATIC SYSTEM IS AT AMBIENT PRESSURE BEFORE YOU DISCONNECT THE TEST SET. IF THE PITOT-STATIC SYSTEM IS NOT AT AMBIENT PRESSURE, DAMAGE TO THE AIR DATA MODULES CAN OCCUR.												
(1)	Disco	nnect the air data test s	set from th	ne coupling, CC	DM-1927.								
suвт (2)	SUBTASK 34-11-00-080-115												
suвт (3)	rask 34-11-0 Install	<sub>0-480-213</sub> the cap on the No. 3 C	Captain's S	Static Drain.									
SUBT	ГАSK 34-11-0												
(4)	Do a v	visual inspection of the	quick-disc	connect fittings	that you connected.								
( - )								1					





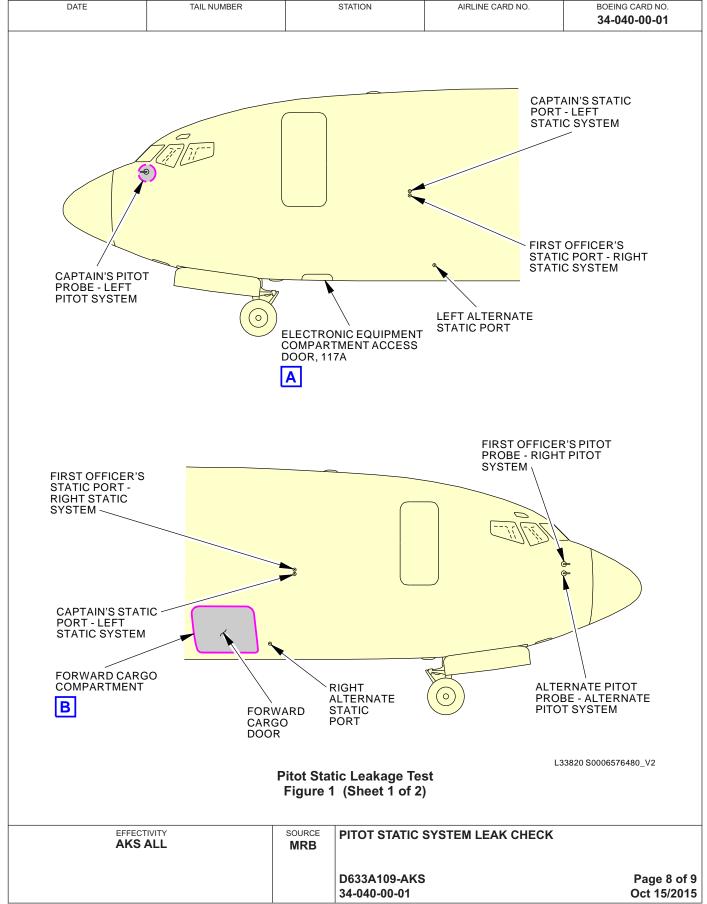
		IAS	K CARDS									
DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C. 34-040-							
SUBTASK	the lock pins, and a correct connect 34-11-00-480-214	I make sure thation of the quick	t you see the co disconnect fitti	sconnect fitting is fully e plored lock ring indicator ng.	that shows	MECH						
	rward cargo compart Installation, AMM TAS			Cargo Compartment Sid	ewall Lining							
SUBTASK	34-11-00-080-116											
WARN	PORTS BEFOR	RE FLIGHT MA` ALTITUDE-SE	Y CAUSE LARG	/E TAPE FROM THE ST GE ERRORS IN AIRSPE LS, WHICH MAY LEAD	EED-							
CAUTI	YOU REMOVE	ALL OF THE PI THE PORT MUS	ECES OF TAP ST BE SMOOT!	THE PORT. MAKE SUF E FROM THE STATIC F H AND CLEAN. IF IT IS	PORTS. THE							
(6) R	emove the Scotch Br	and No.471 tap	e, G02219, fror	n the static ports at thes	e locations:							
(8	) The CAPTAIN sta	atic port on the r	ight side of the	fuselage.								
(k	) The CAPTAIN sta	atic port on the I	eft side of the f	uselage.								
G. Remov	al of Static Port Ada	apter, 33410LH	-125-4									
SUBTASK	SUBTASK 34-11-00-480-215											
CAUTI	BEFORE YOU I	DISCONNECT :	THE TEST SET	S AT AMBIENT PRESSU T. IF THE PITOT-STATION TO THE AIR DATA MOD	SYSTEM							
(1) D	isconnect the air data	a test set, from t	he static test a	dapter, COM-1921.								
SUBTASK	34-11-00-480-216											
CAUTI		CHES ON THE		REFULLY. THE ADAPTE , WHICH CAN CAUSE I								
` '	emove the static test de of the fuselage.	adapter, COM-	1921, from the	CAPTAIN static port on	the right							
	EFFECTIVITY AKS ALL	source <b>MRB</b>	PITOT STATIC	SYSTEM LEAK CHECK								

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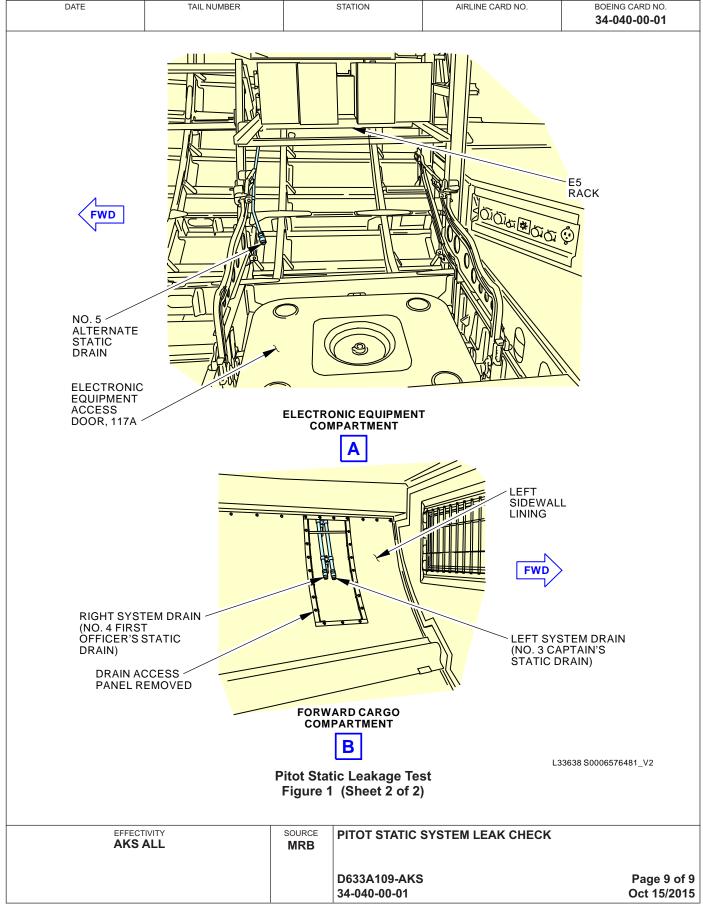


DATE		-	TAIL NUMBER		STATION	AIRLINE CARD NO.	34-040		
	SUBTASK 34-11-0	0-080-054		<u> </u>	-			MECH	INS
		PORTS SENSI OF SA	S BEFORE FI NG AND ALT FE FLIGHT.	LIGHT MA` ITUDE-SE	Y CAUSE LARG NSING SIGNAL	E TAPE FROM THE SEE ERRORS IN AIRSF S, WHICH MAY LEAD	PEED- O TO LOSS		
		YOU R SURFA THE S	EMOVE ALL ( CE OF THE F YSTEM WILL	OF THE PI PORT MUS NOT OPE	IECES OF TAPE ST BE SMOOTH RATE CORREC	E FROM THE STATIC I AND CLEAN. IF YOU TLY.	PORTS. THE J DO NOT,		
			inyl adhesive t side of the fu		and No.471 tape	, G02219 from the CA	APTAIN static		
Н.	Put the Air	plane B	ack to Its Us	ual Condit	tion				
	SUBTASK 34-11-0		-f-4	-1 41-:-	-114				
	, ,				circuit breaker:				
	Row		l System Pan <u>Number</u>	Name					
	A	6			ONTROL FLAP	LOAD RELIEF			
				- END OF	TASK ———				
	EFFECT AKS			SOURCE MRB	PITOT STATIC S	SYSTEM LEAK CHECK		•	
					D633A109-AKS 34-040-00-01			Page 7 Oct 15/	
				1	3.07000-01		•	10/	













AIRLINE	CARD NO	PITOT STATIC SYSTEM LEAK CHECK			BOEING CARD NO. <b>34-050-00-01</b>	
DATE	TASK FUNCTIONAL				RELATE	D CARD
TAIL NUMBER	WORK AREA FUSELAGE	VERSION 1.1	THRESHOLD  24 MO	REPEAT <b>24 MO</b>	APPLICABILITY AIRPLANE ENGINE	
STATION	SKILL AVION				ALL	ALL
		ACCESS			ZONE 113 114 121 122 2	211 212 221 222

Functional leak check of first officer's static system.

#### A. References

Reference	Title
AMM 24-22-00-860-813	Supply External Power (P/B 201)
AMM 24-22-00-860-814	Remove External Power (P/B 201)
AMM 25-52-06-000-801	Cargo Compartment Sidewall Lining - Removal (P/B 401)
AMM 25-52-06-400-801	Cargo Compartment Sidewall Lining - Installation (P/B 401)

#### B. Consumable Materials

Reference	Description	Specification
G02219	Tape - Yellow Vinyl Adhesive, Scotch Brand	
	No.471, 1.5 Inches (38.1 mm) Wide	

#### 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-13545	Air Data Test Set (non RVSM) used for Leak Checks	
	Part #: 1811HA-463 Supplier: 21844 Part #: 6005KTQA1-103 Supplier: 35012 Part #: MODEL 6150 Supplier: 0RDZ5 Opt Part #: ADC800 Supplier: 41364	

EFFECTIVITY AKS ALL	SOURCE MRB	PITOT STATIC SYSTEM LEAK CHECK	
		D633A109-AKS 34-050-00-01	Page 1 of 9 Feb 15/2016



D	ATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CARD NO. <b>34-050-00-01</b>		
	(Continued)							
Reference Description								
	COM-1914	Test S Part Part Part Part Part Part Part Part	#: 18910! #: 18910! #: ADTS! #: ADTS! #: ADTS! #: D6034 #: DPS3! #: DPS4! #: MPS4! #: MPS4! #: MPS4! #: MPS4! #: MPS4! #: TES94 Part #: 01 Part #: DEPart #:	ir Data Model FLMTS (Flight Line Maintenance) 10920000 Supplier: 89944 15405F Supplier: U0427 15530 Supplier: U0427 15552F Supplier: U0427 1340MK Supplier: K1474 15000 Supplier: 21844 15450 Supplier: 21844 1550 Supplier: 21844 1550 Supplier: 0RDZ5 1554C Supplier: 0RDZ5 1554C Supplier: 48RQ2 15543 Supplier: 48RQ2 15543 Supplier: 48RQ2 15545 Supplier: 48RQ2 155463 Supplier: 48RQ2 155463 Supplier: 41364 165463 Supplier: 41364 165565 Supplier: U0427 1560302 Supplier: K1474 1560340 Supplier: K1474 1560383 Supplier: K1474 1560383 Supplier: K1474 1560380 Supplier: 21844				
		Opt	Part #: MI	PS31C Suppli				
	COM-1921	Part		c Test LH-125-4 Sup 19725-4 Supp				
	COM-1927	•	_	3-64C Supplie	Static System Drain Fit	ung		
	EFFECTIVIT AKS AL		SOURCE MRB		SYSTEM LEAK CHECK			
				D633A109-AKS 34-050-00-01		Page 2 of 9 Jun 15/2016		



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

DATE TAIL NUMBER STATION AIRLINE CARD NO. BOEING CARD NO. 34-050-00-01 месн I INSP TASK 34-11-00-790-806 Right Static System Low-range Leak Test (Figure 1) A. General You must do the static system low-range leak test when you remove a fitting other than a quick disconnect. You must do the low-range leak test after you flush the pitot-static system. (2) You can use either the drain coupling or the static port adapter to pressurize the static system. The drain coupling is recommended, but the static port adapter can be used if the drain coupling is not available. Prepare for the Low-range Leak Test В. SUBTASK 34-11-00-860-091 WARNING: MAKE SURE THAT THE ATC TRANSPONDERS ARE IN STANDBY MODE WHEN YOU SIMULATE ALTITUDE. YOU CAN ACCIDENTALLY CAUSE FALSE TCAS TARGETS. THESE TCAS TARGETS CAN CAUSE AIR TRAFFIC IN THE VICINITY TO EXECUTE UNNECESSARY EVASIVE MANEUVERS. (1) Make sure that the ATC transponders are in standby mode. SUBTASK 34-11-00-860-092 (2) Make sure that the Autopilot Flight Director System is off. Make sure that the IRS R and IRS L switches on the IRS Mode Select Unit, located on the P5-69 panel, are in the off position. SUBTASK 34-11-00-860-218 (4) Open this circuit breaker and install safety tag: F/O Electrical System Panel, P6-2 Row Col Number C00566 Α 6 FLIGHT CONTROL FLAP LOAD RELIEF SUBTASK 34-11-00-860-095 Do this task: Supply External Power, AMM TASK 24-22-00-860-813. **FFFFCTIVITY** SOURCE PITOT STATIC SYSTEM LEAK CHECK **AKS ALL MRB** D633A109-AKS Page 3 of 9

34-050-00-01

Feb 15/2016



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

DATE TAIL NUMBER STATION AIRLINE CARD NO. BOEING CARD NO 34-050-00-01 MECH INSP Installation of the Drain Coupling, 1QF2-3-64C (Recommended) SUBTASK 34-11-00-480-106 WARNING: WHEN THE STATIC PORTS ARE COVERED, MAKE SURE THAT CONDITION IS VISIBLE FROM THE GROUND. FAILURE TO OBSERVE AND REMOVE COVERINGS OVER STATIC PORTS BEFORE FLIGHT MAY CAUSE LARGE ERRORS IN AIRSPEED-SENSING AND ALTITUDE-SENSING SIGNALS, WHICH MAY LEAD TO LOSS OF SAFE FLIGHT. CAUTION: DO NOT PUSH THE TAPE INTO THE STATIC PORTS, YOU CAN CAUSE DAMAGE TO THE STATIC SYSTEM IF YOU PUSH TAPE INTO THE STATIC PORT. Seal these two primary static ports with vinyl adhesive Scotch Brand No.471 tape, G02219. (a) The FIRST OFFICER static port on the left side of the fuselage. The FIRST OFFICER static port on the right side of the fuselage. SUBTASK 34-11-00-480-107 Open the primary static system drain access panel, on the left sidewall lining, in the forward cargo compartment. To do this, do this task: Cargo Compartment Sidewall Lining - Removal, AMM TASK 25-52-06-000-801 SUBTASK 34-11-00-480-108 Remove the cap from the No. 4 First Officer's Static Drain. NOTE: The No. 4 First Officer's Static Drain is the aft drain, and is connected to the right static system. SUBTASK 34-11-00-400-014 Install the coupling, COM-1927, on the No. 4 First Officer's Static Drain. SUBTASK 34-11-00-400-015 Connect the air data model test set, COM-1914 or the Air Data Test Set (non RVSM), COM-13545 to the coupling, COM-1927. Installation of the Static Port Adapter, 33410LH-125-4 (Optional to the Drain Coupling) D. SUBTASK 34-11-00-400-001 CAUTION: INSTALL THE STATIC PORT ADAPTER SLOWLY AND CAREFULLY. THE ADAPTER CAN CAUSE SCRATCHES ON THE STATIC PORT, WHICH CAN CAUSE FALSE ALTITUDE READINGS. Install the static test adapter, COM-1921, on the FIRST OFFICER static port on the right side of the fuselage. SUBTASK 34-11-00-400-016 Connect the air data test set to the static test adapter, COM-1921. **FFFFCTIVITY** SOURCE PITOT STATIC SYSTEM LEAK CHECK **AKS ALL MRB** D633A109-AKS Page 4 of 9

34-050-00-01

Feb 15/2016



[	DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	34-050-					
	SUBTASK 34-11-0	0.400.017					MECH	11			
		WHEN THE STATIC IS VISIBLE FROM TO COVERINGS OVER	HE GROU STATIC P ED-SENS	ND. FAILURE ORTS BEFOR SING AND ALT	), MAKE SURE THAT CO TO OBSERVE AND RE RE FLIGHT MAY CAUSE ITUDE-SENSING SIGN GHT.	MOVE LARGE					
	CAUTION:				C PORTS. YOU CAN CA PUSH TAPE INTO THE						
		he FIRST OFFICER st 1 tape, G02219.	atic port o	n the left side o	of the fuselage with Scot	tch Brand					
E.	Right Stati	c System Low-range	Leak Test	t							
	SUBTASK 34-11-0	0-790-068									
	CAUTION:		RE THAT	IS MORE THA	AIR DATA MODULE (AI AN 39.865 INCHES HG (						
	(1) Operate the air data test set to apply a vacuum to the static system equal to 5,000 feet of altitude above field elevation (ambient pressure minus 5.25 ± 0.25 in. Hg).										
	SUBTASK 34-11-0	0-790-069									
	` '	the system reaches 5, stem to stabilize.	,000 feet a	bove field elev	ation, stop for one minu	te to allow					
	SUBTASK 34-11-0	0-790-070									
	(3) Set th	e air data test set for th	ne leak ch	eck.							
	SUBTASK 34-11-0	0-790-071									
	(4) Make	sure the altitude does	not decrea	ase more than	80 feet (0.07 in. Hg) in o	ne minute.					
	SUBTASK 34-11-00-860-096										
	(5) Put th	e system back to ambi	ent pressu	ıre.							
F.	Removal o	f Drain Coupling, 1QI	F2-3-64C								
	SUBTASK 34-11-0	0-080-092									
	CAUTION: MAKE SURE THE PITOT-STATIC SYSTEM IS AT AMBIENT PRESSURE BEFORE YOU DISCONNECT THE TEST SET. IF THE PITOT-STATIC SYSTEM IS NOT AT AMBIENT PRESSURE, DAMAGE TO THE AIR DATA MODULES CAN OCCUR.										
	(1) Disco	nnect the air data test	set from th	e coupling, CC	DM-1927.						
	SUBTASK 34-11-00-080-093										
	(2) Disconnect the coupling, COM-1927, from the No. 4 First Officer's Static Drain.										
	SUBTASK 34-11-0	0-480-173									
	(3) Install	the cap on the No. 4 F	First Office	r's Static Drain	1.						
	SUBTASK 34-11-0	0-210-005									
	(4) Do a v	visual inspection of the	quick-disc	connect fittings	that you connected.						
	EFFEC*		SOURCE MRB	PITOT STATIC	SYSTEM LEAK CHECK						





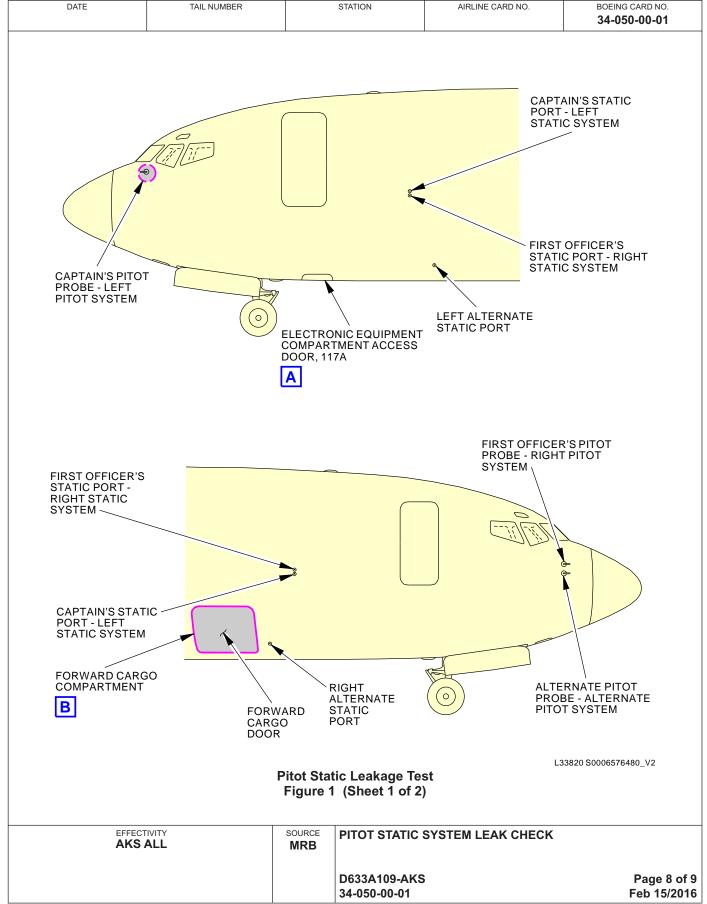
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			TAS	K CARDS							
[	DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C. 34-050					
			e sure tha	t you see the o	lisconnect fitting is fully ecolored lock ring indicato ting.		MECH				
	SUBTASK 34-11-		·								
	(5) Close forwa	the primary static sys	. To do this	s, do this task:	on the left sidewall lining Cargo Compartment Sid						
	SUBTASK 34-11-	00-080-094									
	WARNING	PORTS BEFORE FL	_IGHT MA`	Y CAUSE LAR	VE TAPE FROM THE ST RGE ERRORS IN AIRSP ALS, WHICH MAY LEAD	EED-					
	CAUTION:	YOU REMOVE ALL	OF THE PI	ECES OF TAF	N THE PORT. MAKE SU PE FROM THE STATIC F TH AND CLEAN. IF IT IS Y.	PORTS. THE					
	(6) Remo	ove the Scotch Brand N	No.471 tap	e, G02219, fro	m the static ports at the	se locations:					
	(a)	The FIRST OFFICER	static port	on the right sid	de of the fuselage.						
	(b)	The FIRST OFFICER	static port	on the left side	e of the fuselage.						
G.	Removal o	of Static Port Adapter	. 33410LH	-125-4							
	SUBTASK 34-11-00-480-175										
	CAUTION:	BEFORE YOU DISC	ONNECT '	THE TEST SE	S AT AMBIENT PRESSUT. IF THE PITOT-STATION TO THE AIR DATA MODE	SYSTEM					
	(1) Disconnect the air data test set from the static test adapter, COM-1921.										
	SUBTASK 34-11-00-480-176										
	CAUTION: REMOVE THE ADAPTER SLOWLY AND CAREFULLY. THE ADAPTER CAN CAUSE SCRATCHES ON THE STATIC PORT, WHICH CAN CAUSE FALSE ALTITUDE READINGS.										
	` '	ove the static test adap side of the fuselage.	ter, COM-	1921, from the	FIRST OFFICER static	port on the					
		CTIVITY S <b>ALL</b>	SOURCE MRB	PITOT STATIO	SYSTEM LEAK CHECK		1				
				D633A109-AK 34-050-00-01	S		Page 6 e eb 15/2				
		BOEING BROBBI	ETADY Comunical	t @ Hannahiahad Warls	See title page for details						

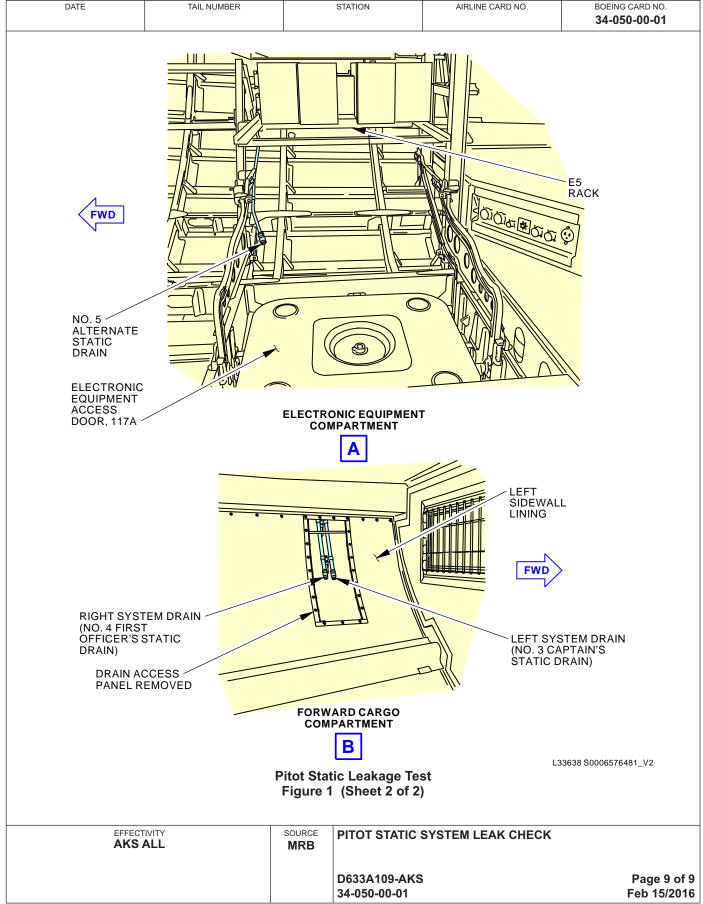


	DATE		Т	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 34-050			
	SUBT	ASK 34-11-0	0-080-058						MECH	INS	
			PORTS SENSI OF SA DO NO	S BEFORE F NG AND ALT FE FLIGHT. T PLUG OR	LIGHT MA` ITUDE-SE DEFORM I	Y CAUSE LARG NSING SIGNAL THE HOLES IN	E TAPE FROM THE S SE ERRORS IN AIRSP .S, WHICH MAY LEAD THE PORT. MAKE SU	EED- TO LOSS RE THAT			
			SURFA SYSTE	CE OF THE M WILL NOT	PORT MUS OPERATE	ST BE SMOOTH CORRECTLY.	FROM THE STATIC I	NOT, THE			
	(3)					and No.471 tape the fuselage.	e, G02219 from the FIF	RST			
Н.	Put	the Air	plane B	ack to Its Us	ual Condit	tion					
		ASK 34-11-0									
	(1)	Do this	s task: R	Remove Exter	nal Power,	AMM TASK 24-	22-00-860-814.				
	SUBTASK 34-11-00-860-220										
	(2)	Remo	ve the sa	atety tag and	close this	circuit breaker:					
				System Par	-						
		Row		Number COOF-CC	Name	ONTDOL FLAD	U OAD DELIEE				
		Α	6	C00566	FLIGHT C	ONTROL FLAP	LOAD RELIEF				
					– END OF	TASK ———					
		EFFECT AKS			SOURCE MRB	PITOT STATIC	SYSTEM LEAK CHECK		1		
						D633A109-AKS 34-050-00-01			Page 7 eb 15/		
					1	3030-00-01		Г	<b>UD 10</b> /	4	













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

AIRLINE	E CARD NO	PITOT ST	TITLE ATIC SYSTEM LEA	K CHECK	34-060	
DATE	TASK FUNCTIONAL				RELATE	D CARD
TAIL NUMBER	WORK AREA FUSELAGE	VERSION 1.1	THRESHOLD  24 MO	REPEAT <b>24 MO</b>	APPLIC. AIRPLANE	ABILITY ENGINE
STATION	SKILL AVION				ALL	ALL
		ACCESS			ZONE 113 114 121 122 2	11 212 221 222

Functional leak check of standby static system.

### A. References

Reference	Title
AMM 24-22-00-860-813	Supply External Power (P/B 201)
AMM 24-22-00-860-814	Remove External Power (P/B 201)

### B. Consumable Materials

Reference	Description	Specification
G02219	Tape - Yellow Vinyl Adhesive, Scotch Brand	
	No.471, 1.5 Inches (38.1 mm) Wide	

### 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-13545	Air Data Test Set (non RVSM) used for Leak Checks	
	Part #: 1811HA-463 Supplier: 21844 Part #: 6005KTQA1-103 Supplier: 35012 Part #: MODEL 6150 Supplier: 0RDZ5 Opt Part #: ADC800 Supplier: 41364	

EFFECTIVITY AKS ALL	SOURCE MRB	PITOT STATIC SYSTEM LEAK CHECK	
		D633A109-AKS 34-060-00-01	Page 1 of 8 Feb 15/2016



	DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. 34-060-00-01
	(Continued)				
	Reference	Desc	ription		
	COM-1914	Test S Part Part Part Part Part Part Part Part	Bet - Air Data Model FL #: 18910920000 Sup #: ADTS405F Supplie #: ADTS530 Supplier	er: U0427 : U0427 er: U0427 er: K1474 : 21844 21844 21844 plier: 0RDZ5 48RQ2 0197 8RQ2 8RQ2 : 88277 upplier: 41364 Supplier: 49944 plier: U0427 ier: K1474 ier: K1474	nance)
i			Part #: MPS31C Supp		
	COM-1921	Part	ter - Static Test #: 33410LH-125-4 Sเ #: CSTL19725-4 Sup		
	COM-1927	·	#: 1QF2-3-64C Supp	, Static System Drain Fit lier: 24984	ting
	EFFECTIVI AKS AL		SOURCE MRB PITOT STATIO	SYSTEM LEAK CHECK	
			D633A109-AK	e	Page 2 of 8



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

DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO.
				34-060-00-01

TASK 34-11-00-790-808

MECH INSP

### **Alternate Static System Low-range Leak Test**

(Figure 1)

#### Α. General

- You must do the static system low-range leak test when you remove a fitting other than a quick disconnect. You must do the low-range leak test after you flush the pitot-static system.
- (2) You can use either the drain coupling or the static port adapter to pressurize the static system. The drain coupling is recommended, but the static port adapter can be used if the drain coupling is not available.

#### Prepare for the Low-range Leak Test В.

SUBTASK 34-11-00-860-107

WARNING: MAKE SURE THAT THE ATC TRANSPONDERS ARE IN STANDBY MODE WHEN YOU SIMULATE ALTITUDE. YOU CAN ACCIDENTALLY CAUSE FALSE TCAS TARGETS. THESE TCAS TARGETS CAN CAUSE AIR TRAFFIC IN THE VICINITY TO EXECUTE UNNECESSARY EVASIVE MANEUVERS.

(1) Make sure that the ATC transponders are in standby mode.

SUBTASK 34-11-00-860-108

(2) Make sure that the Autopilot Flight Director System is off.

Make sure that the IRS R and IRS L switches on the IRS Mode Select Unit, located on the P5-69 panel, are in the off position.

Do this task: Supply External Power, AMM TASK 24-22-00-860-813.

### C. Installation of the Drain Coupling, 1QF2-3-64C (Recommended)

SUBTASK 34-11-00-480-118

WARNING: WHEN THE STATIC PORTS ARE COVERED, MAKE SURE THAT CONDITION IS VISIBLE FROM THE GROUND. FAILURE TO OBSERVE AND REMOVE COVERINGS OVER STATIC PORTS BEFORE FLIGHT MAY CAUSE LARGE ERRORS IN AIRSPEED-SENSING AND ALTITUDE-SENSING SIGNALS. WHICH MAY LEAD TO LOSS OF SAFE FLIGHT.

CAUTION: DO NOT PUSH THE TAPE INTO THE STATIC PORTS, YOU CAN CAUSE DAMAGE TO THE STATIC SYSTEM IF YOU PUSH TAPE INTO THE STATIC PORT.

- Seal the two alternate static ports with vinyl adhesive Scotch Brand No.471 tape, G02219 at these locations:
  - The ALTERNATE static port on the right side of the fuselage.
  - The ALTERNATE static port on the left side of the fuselage.

EFFECTIVITY AKS ALL	SOURCE MRB	PITOT STATIC SYSTEM LEAK CHECK		
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## 737-600/700/800/900 TASK CARDS

		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA 34-060-			
sub (2)		the cap from the No.		ate Static Drain,	in the electronic equip	ment	MECH IN		
	compartment, below the E-5 rack.  Get access to the drain in the electronic equipment compartment through this access panel:								
	Number 117A	Name/Location Electronic Equip	_	cess Door					
suв <sup>.</sup> (3)	TASK 34-11-00-400 Install the				e Static Drain.				
SUB	TASK 34-11-00-40								
(4)	Connect				Air Data Test Set (non	RVSM),			
			apter, 334	110LH-125-4 (C	Optional to the Drain (	Coupling)			
	A[	ISTALL THE STATIC	SE SCRA	TCHES ON THE	VLY AND CAREFULLY. E STATIC PORT, WHIC				
(1)	Install the	-	COM-192	21, on the ALTE	RNATE static port on the	ne left side			
SUB	TASK 34-11-00-40	0-021							
(2)	Connect	the air data test set t	to the sta	tic test adapter,	COM-1921.				
SUB	TASK 34-11-00-40	0-022							
<u>W</u> A	IS C E	S VISIBLE FROM TH COVERINGS OVER S	IE GROU STATIC P ED-SENS	ND. FAILURE T ORTS BEFORE SING AND ALTIT	MAKE SURE THAT C TO OBSERVE AND RE E FLIGHT MAY CAUSE TUDE-SENSING SIGN HT.	MOVE LARGE			
CA	D/				PORTS. YOU CAN CA USH TAPE INTO THE				
(3)		ALTERNATE static p ape, G02219.	ort on the	right side of th	e fuselage with Scotch	Brand			
E. Alt	ernate Staf	tic System Low-ran	ge Leak	Test					
SUB	TASK 34-11-00-79	0-076							
(1)	•	the air data test set tabove field elevation			static system equal to 5 5.25 ± 0.25 in. Hg).	5,000 feet of			
SUB	TASK 34-11-00-79	0-077							
(2)		e system reaches 5,0 em to stabilize.	)00 feet a	bove field eleva	ation, stop for one minu	te to allow			
(2)		0.079							
( )	TASK 34-11-00-79								
( )		air data test set for the	e leak ch	eck.					

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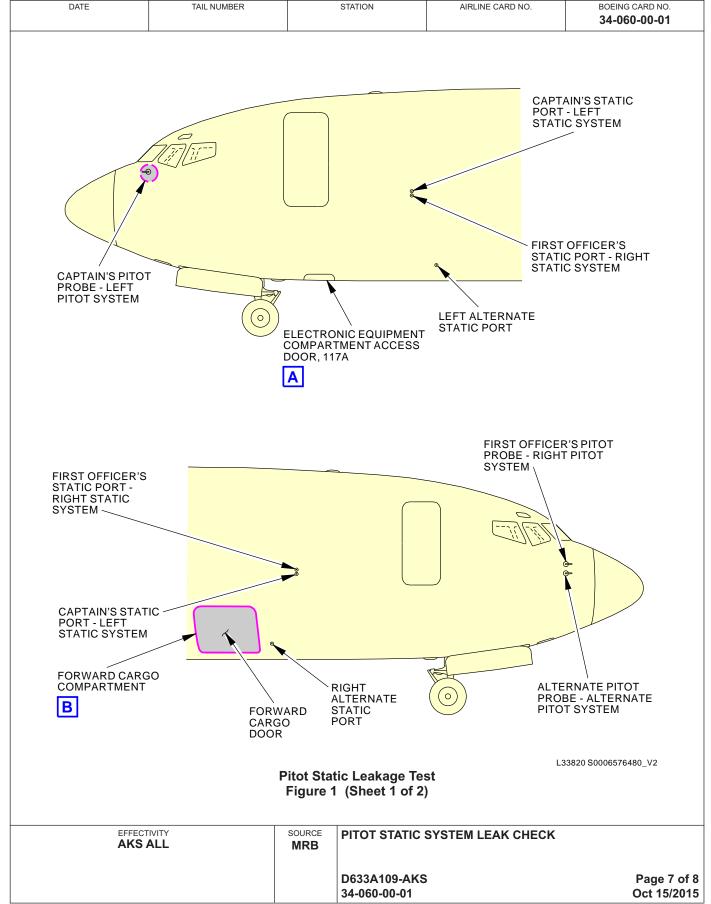
ı	DATE		TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD N 34-060-00-0
	(4) subt	Make	-00-790-079 e sure the altitude does r -00-860-112 he system back to ambie		n 80 feet (0.07 in. Hg) in	one minute.
F.	` ,		of Drain Coupling, 1QF	•		
•••			-00-080-096	2 0 0 1 0		
	CAL	JTION	BEFORE YOU DISCO	NNECT THE TEST SE	IS AT AMBIENT PRESSI ET. IF THE PITOT-STATI E TO THE INDICATORS	C SYSTEM
	(1)	Disc	onnect the air data test s	et from the coupling, C	COM-1927.	
	suвт/ (2)		-00-080-097 onnect the coupling, COI	M-1927, from the No. 5	5 Alternate Static Drain.	
	(3)		-00-480-179 II the cap on the No. 5 A	Iternate Static Drain.		
			-00-210-006			
	(4)	Do а (а)	the lock pins, and make	ation ring of the quick- sure that you see the	disconnect fitting is fully colored lock ring indicate	
			a correct connection of	tne quick-disconnect ti	tting.	
			-00-080-098			
	WAI	RNING	PORTS BEFORE FLI	GHT MAY CAUSE LAI	SIVE TAPE FROM THE S RGE ERRORS IN AIRSP ALS, WHICH MAY LEAD	PEED-
	CAL	JTION	YOU REMOVE ALL O	F THE PIECES OF TA ORT MUST BE SMOO	IN THE PORT. MAKE SU PE FROM THE STATIC TH AND CLEAN. IF IT IS Y.	PORTS. THE
	(5)		ove the Scotch Brand No e locations:	o.471 tape, G02219, fr	om the ALTERNATE stat	ic ports at
		(a)	The ALTERNATE static	port on the right side of	of the fuselage.	
		(b)	The ALTERNATE static	port on the left side of	the fuselage.	
G.	Ren	noval	of Static Port Adapter,	33410LH-125-4		
	SUBTA	ASK 34-11	-00-480-181			
	CAL	JTION	BEFORE YOU DISCO	NNECT THE TEST SE	IS AT AMBIENT PRESSI ET. IF THE PITOT-STATI E TO THE AIR DATA MOI	C SYSTEM

EFFECTIVITY AKS ALL	SOURCE MRB	PITOT STATIC SYSTEM LEAK CHECK	
		D633A109-AKS 34-060-00-01	Page 5 of 8 Oct 15/2014

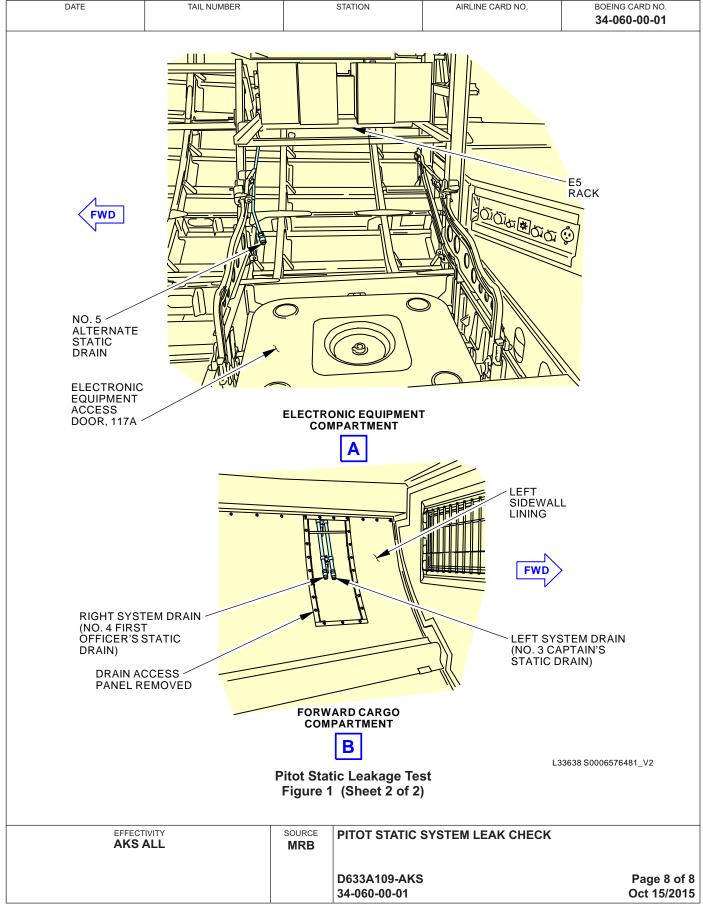


		TAIL NUMBER		STATION	AIRLINE CARD NO.	34-060		
	SUBTASK 34-11-0	0-480-182					MECH	INSI
	CAUTION:		ON THE		EFULLY. THE ADAPTE WHICH CAN CAUSE			
		ve the static test adapt f the fuselage.	er, COM-	1921, from the <i>F</i>	ALTERNATE static port	on the left		
	SUBTASK 34-11-0	0-080-063						
	WARNING:	PORTS BEFORE FL	IGHT MA	Y CAUSE LARG	E TAPE FROM THE S' GE ERRORS IN AIRSP .S, WHICH MAY LEAD	EED-		
	CAUTION:	YOU REMOVE ALL O	F THE PI ORT MUS	ECES OF TAPE ST BE SMOOTH	THE PORT. MAKE SU E FROM THE STATIC I I AND CLEAN. IF IT IS	PORTS. THE		
	` '	ve the vinyl adhesive S port on the right side of			e, G02219 from the ALT	TERNATE		
Н.	Put the Air	plane Back to Its Usu	al Condit	tion				
	SUBTASK 34-11-0			A N A N A T A O L C O A	00.00.000.044			
	(1) Do this	s task: Remove Extern		TASK ———	22-00-860-814.			













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

AIRLINI	E CARD NO	AIR DATA S	TITLE SYSTEM - ALTIMET	RY SYSTEM	34-060	
DATE	TASK FUNCTIONAL				RELATE	D CARD
TAIL NUMBER	WORK AREA CREW CABIN	VERSION 1.1	THRESHOLD 72 MO	REPEAT <b>72 MO</b>	APPLIC/ AIRPLANE	ABILITY ENGINE
STATION	SKILL AIRPL				ALL	ALL
		ACCESS			ZONE 112 117 118 121 1	22 211 212

Functional check of the air data system altimetry system.

### A. References

Reference	Title
AMM 24-22-00-860-813	Supply External Power (P/B 201)
AMM 24-22-00-860-814	Remove External Power (P/B 201)
AMM 25-52-06 P/B 401	CARGO COMPARTMENT SIDEWALL LININGS - REMOVAL/INSTALLATION
AMM 34-21-04 P/B 401	AIR DATA MODULE - REMOVAL/INSTALLATION

#### B. Consumable Materials

Reference	Description	Specification
G02219	Tape - Yellow Vinyl Adhesive, Scotch Brand	
	No.471, 1.5 Inches (38,1 mm) Wide	

### 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-1562	Analyzer - Data Bus, ARINC 429	
	Part #: 01-1001-05 Supplier: 0Z3C6 Part #: 01-1001-12 Supplier: 0Z3C6 Part #: 403557 Supplier: \$1272 Part #: 800-0630 Supplier: 1JSZ6 Part #: DT400H Supplier: 0Z3C6 Part #: TYPE 030/026 Supplier: \$0494 Part #: UA1410 Supplier: 0H231 Opt Part #: 01-1001-10 Supplier: 0Z3C6 Opt Part #: 01-1404-00 Supplier: 41364 Opt Part #: 429EBP Supplier: 41364 Opt Part #: 429EX Supplier: 41364 Opt Part #: 702125-01 Supplier: \$1272 Opt Part #: MODEL 429HBA Supplier: 5J927	

AKS ALL POST SB 737-34-2454	SOURCE MPD	AIR DATA SYSTEM - ALTIMETRY SYSTEM	
		D633A109-AKS 34-060-10-01	Page 1 of 29 Jun 15/2016



	DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. 34-060-10-01
	(Continued)				
	Reference	Desc	ription		
	COM-1914	Test S	Set - Air Data Model FLM	TS (Flight Line Mainte	nance)
			#: 18910920000 Suppl		
			#: ADTS405F    Supplier #: ADTS530    Supplier: I		
			#: ADTS550 Supplier. \ #: ADTS552F Supplier		
		Part	#: D60340MK Supplier	: K1474	
			#: DPS1000 Supplier: 2 #: DPS350 Supplier: 2		
			#: DPS350 Supplier: 2		
		Part	#: MODEL 6300 Suppl	ier: 0RDZ5	
			#: MPS34C Supplier: 4		
			#: MPS43 Supplier: A0 #: MPS45 Supplier: 48		
		Part	#: MPS49 Supplier: 48	RQ2	
			#: TES9463 Supplier: 8		
			Part #: 01-0987-00 Sup Part #: 18910480000 S		
		Opt I	Part #: ADTS505 Suppl	ier: U0427	
			Part #: D60302 Supplie		
			Part #: D60340    Supplie Part #: D60383    Supplie		
		Opt F	Part #: DPS500 Supplie	er: 21844	
I		•	Part #: MPS31C Suppli		
	COM-1916		ter - Pitot Test (Typically 37-678)	included in Air Data Ac	cessory Kit, PN
			#: CSA75700HT-3 Sup	nlier: 3RSK6	
			#: P75701M2-3 Suppli		
	COM-1921	Adapt	er - Static Test		
			#: 33410LH-125-4 Sup		
	OOM 4000		#: CSTL19725-4 Supp		_
	COM-1926	•	ling - Quick Disconnect, l #: 1QF2-2-64A   Supplie	•	€
<b>'</b>	COM-1927		ing - Quick Disconnect,		ting
	00W-1921	•	#: 1QF2-3-64C Supplie	•	ung
	SPL-3896		Breakout, Multipurpose,		
			#: C22005-22 Supplier	•	
		Opt F	Part #: C22005-1 Supp	lier: 81205	
	EFFECTIVITY  AKS ALL POST SB 737	-34-2454		TEM - ALTIMETRY SYST	EM
	ANG ALL FUST 3D /3/	-54-2454	MPD		
			D633A109-AKS		Page 2 of 29
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### 737-600/700/800/900 TASK CARDS

	DATE		-	TAIL NUMBER		STATION	AIRLINE CARD NO.	34-060-10		
TAS	K 3/1-	11_00						M	IECH	II.
			em Test							_
	ure 1)	- <b>,</b>								
Α.	Gene	eral								
	(1)	This	task give	s instructions	s to test the	altimetry syste	m for correct operation.			
	(2)	The	drain cou				oter to pressurize the static ort adapter can be used if the	-		
В.	Prep	are fo	or the Sy	stem Test						
	-		-00-860-223							
	(1)	Oper	n these ci	rcuit breakeı	rs and install	safety tags:				
		CAP	T Electri	cal System	Panel, P18-	3				
		Rov		Number	<u>Name</u>					
		C D	1 5	C00523 C00525		CAPT PITOT F/O PITOT				
		E/O I	Electrica	l System Pa	nel D6-2					
		Rov		-	Name					
		Α	6	C00566	FLIGHT C	ONTROL FLAI	P LOAD RELIEF			
	SUBTAS	SK 34-11	-00-860-222							
	CAU	TION					RICAL POWER TO THE PI MAGE THE PITOT PROBE			
	(2)	Do th	nis task: S	Supply Exter	nal Power, A	MM TASK 24-2	22-00-860-813.			
	SUBTAS	SK 34-11	-00-860-225							
	(3)	Follo			•	r the altimetry	•			
		(a)		onnect or dis ic system.	sconnect the	test equipmer	nt while you have pressure	in the		
		(b)		re that the te ontamination		nt, pitot system	and static systems are cle	ean and		
		(c)	Make su	re that there	are no leak	s in the test eq	uipment.			
		(d)		re that the d r than 10.9 i		ween the station	c pressure and pitot pressu	ire line is		
		(e)	Keep the	static press	sure in the ra	inge of 3.26 to	33.31 inches Hg.			
		(f)	Keep the the pitot		m pressure	less or equal to	o the absolute pressure ap	plied to		
		(g)	Keep the pressure		essure appli	ed to the static	system less or equal to ar	mbient		
		(h)	Install flo	w restrictors	s between th	e cutoff valve a	and pitot and static systems	s.		
		(i)	-	djustment of n 5,000 feet <sub>l</sub>	•	ure, make sure	e that the rate of change of	altitude is		
			CTIVITY		SOURCE	AIR DATA SYS	TEM - ALTIMETRY SYSTEM	<u> </u>		_

AKS ALL POST SB 737-34-2454

SOURCE MPD

AIR DATA SYSTEM - ALTIMETRY SYSTEM

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

DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO.
				34-060-10-01

(j) Make sure that the Autopilot Flight Director System is OFF during the test.

(k) Supply electrical power to the Air Data Inertial Reference Unit (ADIRS) before you make the Static or Total pressure connection.

MECH

INSP

### C. Captain (CAPT) Altimetry System Test Set Installation

SUBTASK 34-11-00-860-226

WARNING: MAKE SURE THAT THE ATC TRANSPONDERS ARE IN THE STANDBY MODE WHEN YOU SIMULATE ALTITUDE. YOU CAN ACCIDENTALLY CAUSE TCAS TARGETS. AIR TRAFFIC IN THE AREA WILL CHANGE DIRECTION QUICKLY TO GO AWAY FROM THESE TARGETS. THIS CAN CAUSE INJURIES TO

PERSONNEL AND DAMAGE TO EQUIPMENT.

(1) Set the ATC mode switch on the P8-29 ATC control panel, to STANDBY.

SUBTASK 34-11-00-480-247

CAUTION: SUPPORT THE TEST HOSES AND THE ADAPTER SO THEY ADD NO WEIGHT ON THE PITOT PROBES. FAILURE TO DO SO COULD CAUSE THE PITOT PROBES TO NOT BE ALIGNED AND TO BE DAMAGED.

(2) Connect the air data test set to the CAPT pitot and static systems with one test setup from these options:

**Option 1: Static Adapter Test Setup** 

Test Setup					
Figure	Description	More Data			
Figure 1 (Sheet 1)	Supply pitot and static pressure from air data test set to Left Pitot and Left Static Air Data Module (ADM)				
Figure 1 (Sheet 2)	Supply static pressure from air data test set to Left Pitot and Left Static ADM				
Figure 1 (Sheet 9)	Supply Pitot and static pressure from air data test set to Left Pitot, Right Pitot, Left Static, and Right Static ADM	(a)			
Figure 1 (Sheet 10)	Supply static pressure from air data test set to Left Pitot, Right Pitot, Left Static, and Right Static ADM	(a)			

(a) CAPT altimetry system test and F/O altimetry system test can be run at the same time when this setup is used.

(a) Install the pitot test adapter, COM-1916 on the CAPT pitot probe.

CAUTION: INSTALL THE STATIC PORT ADAPTER SLOWLY AND CAREFULLY. THE ADAPTER CAN CAUSE SCRATCHES ON THE STATIC PORT, WHICH CAN CAUSE FALSE ALTITUDE READINGS.

- (b) Install the static test adapter, COM-1921 on the CAPT static port.
- (c) Connect the air data model test set, COM-1914 to the pitot test adapter, COM-1916 and static test adapter, COM-1921.

AKS ALL POST SB 737-34-2454

SOURCE MPD

AIR DATA SYSTEM - ALTIMETRY SYSTEM

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DATE	TAIL NUMBER		STATION	AIRLINE CARD N	0.	BOEING C.		
CAU	MAKE SURE Y THE FLIGHT C PORTS HAVE O REMOVED FROM SENSING AND CAUSE DANGO  TION: DO NOT PUSH DAMAGE TO TO STATIC PORT.  Seal the remaining CA	ON ON THOU ATTAINMENT OMPART COVERS OM THE SALTITUD EROUS FOR THE TAPHE STATION OF THE STATION O	IE GROUND CACH A TAG TO TO MENT AS A REING ON THEM. IF TO STATIC PORTS IN THE SENSING SIGHT CONDITORY OF THE STATIC PORTS IN THE STATIC PORTS IN THE STATIC SYSTEM IF Y	AN SEE THE CO HE LEFT CONTI MINDER THAT T HE COVERS AF , INCORRECT A GNALS CAN OC TONS.  TATIC PORTS. YO TOU PUSH TAPE TO Brand No.4711	VERS. ALS ROL WHEE THE STATIC RE NOT IRSPEED- CUR. THIS OU CAN CA	SO EL IN C S CAN AUSE	MECH	INSP
	Option 2	Test Se		ıb				
Figure	Description	1031 00	<b>r</b>		More Data			
Figure 1 (Sheet 3)	Supply pitot and stati			set to Left Pitot				
Figure 1 (Sheet 4)	Supply static pressur Static ADM through s			ft Pitot and Left				
Figure 1 (Sheet 11)	Figure 1 (Sheet 11)  Supply pitot and static pressure from air data test set to Left Pitot, Right Pitot, Left Static, and Right Static ADM through system drain fittings							
Figure 1 (Sheet 12)	Supply static pressur Pitot, Left Static, and fittings				(a)			
(a) CAPT altimetry syst	em test and F/O altimetry	system tes	st can be run at th	e same time when	this setup is	s used.		
	Open the primary station forward cargo compart LININGS - REMOVAL/	ment. Ref	er to CARGO C	OMPARTMENT				
(f)	Remove the caps on the	ie CAPT p	oitot and static s	ystem drain fitting	gs.			
(0)	Install the quick-discon fitting.	·		•	•			
	Install the quick-discon fitting.				-	n drain		
, ,	Install the pitot test ada	•		•				
(j)	Install caps on the pitot	test adap	oter, COM-1916.					
	SB 737-34-2454	SOURCE MPD	AIR DATA SYST	ΓΕΜ - ALTIMETRY	SYSTEM			
			D633A109-AKS 34-060-10-01				age 5 ( un 15/	



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

		TAS	K CARDS			
DATE	TAIL NUMBER		STATION	AIRLINE CARD N		CARD NO. <b>0-10-01</b>
WAF	MAKE SURE Y THE FLIGHT C PORTS HAVE ( REMOVED FRO	ON ON THOOU ATTACOMPARTICOVERS OM THE SOME ALTITUD	E GROUND CA CH A TAG TO T MENT AS A RE ON THEM. IF T STATIC PORTS E-SENSING SI	AN SEE THE CO HE LEFT CONT MINDER THAT I HE COVERS AF , INCORRECT A GNALS CAN OC	VERS. ALSO ROL WHEEL IN ITHE STATIC RE NOT	MECH
CAU	TION: DO NOT PUSH DAMAGE TO THE STATIC PORT.			TATIC PORTS. Y OU PUSH TAPE		
(k)	Seal the remaining CAI	PT static p	orts with, Scoto	ch Brand No.471	tape, G02219.	
(1)	Connect the air data mocoupling, COM-1926 ar			to the quick-disc	onnect couplings,	
D. First Office	er (F/O) Altimetry Sys	tem Test	Set Installation	1		
SUBTASK 34-11	-00-860-227					
WARNING	E: MAKE SURE THAT TO WHEN YOU SIMULATED TARGETS. AIR TRAINED TO GO AWAY FROM PERSONNEL AND DESTRICT TO GO AWAY FROM PERSONNEL AND DESTRICT THAT TO GO AWAY FROM PERSONNEL AND DESTRICT THAT THE PROPERTY OF THE PROPERTY OF T	TE ALTIT FFIC IN TI I THESE 1	UDE. YOU CAN HE AREA WILL TARGETS. THIS	N ACCIDENTALL CHANGE DIRE S CAN CAUSE II	LY CAUSE TCAS CTION QUICKLY	
(1) Set t	he ATC mode switch on	the P8-29	ATC control page	anel, to STANDB	Y.	
SUBTASK 34-11	-00-780-008					
CAUTION	: SUPPORT THE TEST ON THE PITOT PROPROBES TO NOT BE	BES. FAIL	URE TO DO S	O COULD CAUS		-
` ,	nect the air data model t test setup from these op	est set, Co			atic systems with	
	Option 3:	Static Ad	apter Test Set	up		
	·	Test Se	tup	•		
Figure	Description				More Data	
Figure 1 (Sheet 5)	Supply pitot and stati and Right Static Air D			set to Right Pitot		
Figure 1 (Sheet 6)	Supply static pressur Right Static ADM	e from air d	lata test set to Ri	ght Pitot and		
Figure 1 (Sheet 9)			c pressure from air data test set to Left Pitot, (a) c, and Right Static ADM			
Figure 1 (Sheet 10)	Supply static pressur Pitot, Left Static, and		data test set to Left Pitot, Right (a)			
(a) CAPT altimetry sys	tem test and F/O altimetry	system tes	t can be run at th	ne same time wher	this setup is used.	
(a)	Install the pitot test ada	pter, COM	1-1916 on the F	/O pitot probe.		
	CTIVITY  SB 737-34-2454	SOURCE MPD	AIR DATA SYS	TEM - ALTIMETRY	SYSTEM	
			D633A109-AKS	;	I	Page 6 of

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DATE	TAIL NUMBER		STATION	AIRLINE CARD N		ING CARD NO. 060-10-01	
CAUT		CAUSE S		N THE STATIC F		E	INSF
	nstall the static test ac	dapter, CO	M-1921pitot test	t adapter, COM-	1916 on the F/O	)	
(c) (	Connect the air data m			o the static test a	adapter,		
WAR	MAKE SURE Y THE FLIGHT O PORTS HAVE REMOVED FR SENSING AND	ON ON THE SECONDARY ON ATTACK OMPARTICOVERS OM THE SECONDARY ON ALTITUD	E GROUND CA CH A TAG TO TI MENT AS A REM ON THEM. IF TI STATIC PORTS,	IN SEE THE CO HE LEFT CONTI MINDER THAT T HE COVERS AR INCORRECT A GNALS CAN OC	VERS. ALSO ROL WHEEL IN HE STATIC RE NOT IRSPEED-		
CAUT	TION: DO NOT PUSH DAMAGE TO T STATIC PORT.			ATIC PORTS. YO OU PUSH TAPE		E	
(d) S	Seal the remaining F/C Option 4	·	rts with, Scotch I Drain Test Setu	•	pe, G02219.		
		Test Se					
Figure	Description				More Data		
Figure 1 (Sheet 7)		ic pressure from air data test set to Right Pitot If through system drain fittings					
Figure 1 (Sheet 8)	Supply static pressur Right Static ADM thr			ht Pitot and			
Figure 1 (Sheet 11)	Supply pitot and stat Right Pitot, Left Stati fittings			(a)			
Figure 1 (Sheet 12)	ft Pitot, Right estem drain	(a)					
(a) CAPT altimetry syste	em test and F/O altimetry	system tes	st can be run at the	e same time when	this setup is used	d.	
f	Open the primary station forward cargo compart LININGS - REMOVAL/	ment. Refe	er to CARGO Co	OMPARTMENT :		the	
(f) F	Remove the caps on th	ne F/O pito	ot and static syst	em drain fittings			
(-,	nstall the quick-discor itting.	nect coup	ling, COM-1926	on the F/O Pitot	System Drain		
* *	nstall the quick-discor Fitting.	nect coup	ling, COM-1927	on the F/O Statio	System Drain		
AKS ALL POST		SOURCE MPD	AIR DATA SYST	EM - ALTIMETRY	SYSTEM		
			D633A109-AKS 34-060-10-01			Page 7 Jun 15	



(i) Install the pitot test adapter, COM-1916 on the F/O pitot probe.  (j) Install caps on the pitot test adapter, COM-1916.  WARNING: WHEN THE STATIC PORTS HAVE COVERS ON THEM, MAKE SURE THAT A PERSON ON THE GROUND CAN SEE THE COVERS. ALSO MAKE SURE YOU ATTACH A TAG TO THE LEFT CONTROL WHEEL IN THE FLIGHT COMPARTMENT AS A REMINDER THAT THE STATIC PORTS HAVE COVERS ON THEM. IF THE COVERS ARE NOT REMOVED FROM THE STATIC PORTS, INCORRECT AIRSPEED-SENSING AND ALTITUDE-SENSING SIGNALS CAN OCCUR. THIS CAN CAUSE DAMAGE TO THE STATIC SYSTEM IF YOU PUSH TAPE INTO THE STATIC PORTS.  (k) Seal the remaining F/O static ports with, Scotch Brand No.471 tape, G02219.	
(i) Install the pitot test adapter, COM-1916 on the F/O pitot probe.  (j) Install caps on the pitot test adapter, COM-1916.  WARNING: WHEN THE STATIC PORTS HAVE COVERS ON THEM, MAKE SURE THAT A PERSON ON THE GROUND CAN SEE THE COVERS. ALSO MAKE SURE YOU ATTACH A TAG TO THE LEFT CONTROL WHEEL IN THE FLIGHT COMPARTMENT AS A REMINDER THAT THE STATIC PORTS HAVE COVERS ON THEM. IF THE COVERS ARE NOT REMOVED FROM THE STATIC PORTS, INCORRECT AIRSPEED-SENSING AND ALTITUDE-SENSING SIGNALS CAN OCCUR. THIS CAN CAUSE DANGEROUS FLIGHT CONDITIONS.  CAUTION: DO NOT PUSH THE TAPE INTO THE STATIC PORTS. YOU CAN CAUSE DAMAGE TO THE STATIC SYSTEM IF YOU PUSH TAPE INTO THE STATIC PORT.  (k) Seal the remaining F/O static ports with, Scotch Brand No.471 tape, G02219.	
<ul> <li>(j) Install caps on the pitot test adapter, COM-1916.</li> <li>WARNING: WHEN THE STATIC PORTS HAVE COVERS ON THEM, MAKE SURE THAT A PERSON ON THE GROUND CAN SEE THE COVERS. ALSO MAKE SURE YOU ATTACH A TAG TO THE LEFT CONTROL WHEEL IN THE FLIGHT COMPARTMENT AS A REMINDER THAT THE STATIC PORTS HAVE COVERS ON THEM. IF THE COVERS ARE NOT REMOVED FROM THE STATIC PORTS, INCORRECT AIRSPEED-SENSING AND ALTITUDE-SENSING SIGNALS CAN OCCUR. THIS CAN CAUSE DANGEROUS FLIGHT CONDITIONS.</li> <li>CAUTION: DO NOT PUSH THE TAPE INTO THE STATIC PORTS. YOU CAN CAUSE DAMAGE TO THE STATIC SYSTEM IF YOU PUSH TAPE INTO THE STATIC PORT.</li> <li>(k) Seal the remaining F/O static ports with, Scotch Brand No.471 tape, G02219.</li> </ul>	IN
THAT A PERSON ON THE GROUND CAN SEE THE COVERS. ALSO MAKE SURE YOU ATTACH A TAG TO THE LEFT CONTROL WHEEL IN THE FLIGHT COMPARTMENT AS A REMINDER THAT THE STATIC PORTS HAVE COVERS ON THEM. IF THE COVERS ARE NOT REMOVED FROM THE STATIC PORTS, INCORRECT AIRSPEED-SENSING AND ALTITUDE-SENSING SIGNALS CAN OCCUR. THIS CAN CAUSE DANGEROUS FLIGHT CONDITIONS.  CAUTION: DO NOT PUSH THE TAPE INTO THE STATIC PORTS. YOU CAN CAUSE DAMAGE TO THE STATIC SYSTEM IF YOU PUSH TAPE INTO THE STATIC PORT.  (k) Seal the remaining F/O static ports with, Scotch Brand No.471 tape, G02219.	
DAMAGE TO THE STATIC SYSTEM IF YOU PUSH TAPE INTO THE STATIC PORT.  (k) Seal the remaining F/O static ports with, Scotch Brand No.471 tape, G02219.	
(I) Connect the air data model test set, COM-1914 to the quick-disconnect couplings, coupling, COM-1926 and coupling, COM-1927.	
E. Captain (CAPT) Altimetry System Test	
SUBTASK 34-11-00-780-006	
(1) Do the CAPT altimetry System Test as follows:	
(a) Rockwell Collins FCC:	
<ol> <li>Connect the ARINC 429 Bus analyzer, COM-1562 to the Flight Control Computer (FCC), left test connector J3, to pin 51 (Hi) and pin 52 (Lo).</li> </ol>	
NOTE: Set equipment ID 038 on the ARINC 429 Bus Analyzer for the instrument to show the correct engineering units.	
NOTE: A box, SPL-3896 can be used to connect the data bus analyzer and the Flight Control Computer (FCC).	
SUBTASK 34-11-00-780-007	
CAUTION: PITOT PRESSURE MUST ALWAYS BE EQUAL OR LARGER THAN THE STATIC PRESSURE APPLIED TO THE SYSTEM. DIFFERENCE BETWEEN THESE TWO PRESSURES (DIFFERENTIAL PRESSURE) MUST NOT BE MORE THAN 10.00 INCHES OF MERCURY. DIFFERENTIAL PRESSURE MUST NOT FALL BELOW ZERO. IF THESE REQUIREMENTS ARE NOT FOLLOWED, DAMAGE TO EQUIPMENT COULD OCCUR.	
(2) Apply Static pressure with the air data model test set, COM-1914 for each test point and record test results with one of these:	
Table of Test Input and Tolerance Requirements	
Figure Description	
Figure 1 (Sheet 13) Measurement Unit: inches of Mercury (inHg)	
Figure 1 (Sheet 14) Measurement Unit: millibars (mb)	
EFFECTIVITY SOURCE AIR DATA SYSTEM - ALTIMETRY SYSTEM	



		TAS	K CARDS					
DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.		DEING CARD NO. 4-060-10-01		
(a) (b)  F. First Offi SUBTASK 34-1 (1) Do 1 (a)  SUBTASK 34-1 CAUTION	Remove and replace to REMOVAL/INSTALLATE Do the CAPT altimetry sicers (F/O) Altimetry System (F/O) (	he ADM. DITION, AMM system Test as for NC 429 Bu, left test comment ID 0 nt to show PL-3896 cat Control COMUST ALW D TO THE (DIFFERE) IERCURY. HESE RECOULD OCCIDE air data of these:	o this task: AIF  // 34-21-04/401 st.  t  bllows:  is analyzer, CO connector J3, to connect	M-1562 to the Flight Copin 51 (Hi) and pin 52 (III) and pin 52 (IIII) IV 429 Bus Analyzer for gineering units.  Onnect the data bus analy.  AL OR LARGER THAN THERENCE BETWEEN THERENCE BETWEEN THERENCE MUST NOT BE MUST NOT BE MUST NOT BE MUST NOT FOLLOWED,  COM-1914 for each test	ontrol Lo). the alyzer and THE STATIC THESE ORE THAN OT FALL DAMAGE	MECH	IX	
	Table of Test In	put and 1	olerance Nequ					
Figure 1 (Sheet 15)	Figure		Accurement Lini	Description	\			
Figure 1 (Sheet 15) Figure 1 (Sheet 16)			Measurement Unit: inches of Mercury (inHg)  Measurement Unit: millibars (mb)					
SUBTASK 34-1 (3) For (a) (b)  G. Captain (  SUBTASK 34-1 (1) Reti	the F/O altimetry system Remove and replace t REMOVAL/INSTALLA Do the F/O altimetry sy (CAPT) Altimetry System	n test failur he ADM. D TION, AMM ystem test. em Test Se	re do this:  To this task: AIF  TO 34-21-04/401  To the term of term of the term of term of term of te	R DATA MODULE -	air data			
	ECTIVITY ST SB 737-34-2454	SOURCE MPD	AIR DATA SYS	TEM - ALTIMETRY SYSTI	EM			



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

DATE			TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 34-060		
!	CAUT	ΓΙΟΝ:	THE SAME TI	ME FOR TH	HE PITOT AND	CUUM CONTINUOUS STATIC SYSTEMS. IF HE EQUIPMENT.		MECH	INSF
(	. ,		se the pressure	or vacuum		itot and static systems	to ambient		
(		•			s analyzer, CO				
	(c)		nnect the air dans as follows:	ita model te	st set, COM-19	14 from the CAPT pitot	and static		
		-	Option 1, static	adapter tes	t setup:				
		•	a) Disconnec	t the air dat	a model test se	t, COM-1914 from the sapter, COM-1916.	static test		
			•		•	6 from the CAPT pitot p	robe.		
		Ċ	AD	APTER CAI	N CAUSE SCR	OWLY AND CAREFULL ATCHES ON THE STA ALTITUDE READINGS.	TIC PORT,		
			c) Remove tl	ne static tes	t adapter, COM	-1921 from the CAPT s	tatic port.		
		<u>V</u>	FR TH FL	OM THE PI	TOT AND STATUSE INCORRE	ID TAPE RESIDUE IS I FIC PORTS. FAILURE ECT INFORMATION TO M PLACING THE AIRC	TO REMOVE THE		
			d) Remove tl CAPT stat		rand No.471 ta	pe, G02219, from the re	emaining		
		2) (	Option 2, syster	m drain test	setup:				
		i	,		a model test se ng, COM-1927	t, COM-1914 from the o	coupling,		
		<u>v</u>	FR TH FL	OM THE PI	TOT AND STATUSE INCORRE	ID TAPE RESIDUE IS I FIC PORTS. FAILURE T CT INFORMATION TO M PLACING THE AIRC	TO REMOVE THE		
			b) Remove S		d No.471 tape,	G02219, from the rema	ining CAPT		
			c) Remove tl	ne pitot test	adapter, COM-	1916 on the CAPT pitot	probe.		
					connect couplir rain fittings.	ng, COM-1926 and the	coupling,		
			e) Install cap	s on the CA	PT pitot and sta	atic system drain fittings	S.		
			lining, in the	ne forward o	argo compartm	access panel, on the le ent. Refer to CARGO SS - REMOVAL/INSTAL			
AKS ALL I	EFFEC POST		7-34-2454	SOURCE MPD	AIR DATA SYS	TEM - ALTIMETRY SYST	ЕМ		
					D633A109-AKS	3		ge 10	

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

DAT	E			TAIL NUMBER			STATION	AIRLINE CARD NO.	34-060		
			g			visual in	spection (GVI)	of the CAPT pitot and s	static system	MECH	INS
				drain f	Ū						
								ng is fully engaged on	•		
				<2>			onnected corre	ing indicator shows tha ctly.	it the system		
			•	) Altimetr	y Syst	em Test	Set Removal				
	1)	Retu		oitot and st M-1914 as			ambient pressu	ire state and remove a	ir data model		
		CAU		THE SAM	E TIME	FOR TH	HE PITOT AND	CUUM CONTINUOUS STATIC SYSTEMS. IF HE EQUIPMENT.			
		(a)		•			on the F/O pito	t and static systems to -1914.	ambient		
		(b)	Remov	e the ARIN	NC 429	Data Bu	s analyzer, CO	M-1562.			
				nect the ai s as follow		model tes	st set, COM-19	14 from the F/O pitot a	nd static		
			1) O	ption 3, st	atic ad	apter test	t setup:				
			а	,				t, COM-1914 from the apter, COM-1916.	static test		
			b	) Remov	ve pito	t test ada	pters from the F	O pitot probe.			
			<u>C</u>	AUTION:	ADAP	TER CAN	N CAUSE SCRA	DWLY AND CAREFUL ATCHES ON THE STA ALTITUDE READINGS	TIC PORT,		
			C	Remo	ve stati	ic test ad	apter from the F	O static port.			
			W	ARNING:	FROM THIS	M THE PI MAY CA HT CREV	TOT AND STATUSE INCORRE	ID TAPE RESIDUE IS FIC PORTS. FAILURE CT INFORMATION TO M PLACING THE AIRO	TO REMOVE THE		
			d	Removes		tch Brand	d No.471 tape, (	G02219, from the rema	aining F/O		
			2) O	ption 4, sy	stem c	drain test	setup:				
			а				a model test se ng, COM-1927.	t, COM-1914 from the	coupling,		
AKS	ALL I		SB 737	-34-2454		SOURCE MPD	AIR DATA SYS	TEM - ALTIMETRY SYST	ГЕМ	•	•
							D633A109-AKS	}	Pa	ge 11	of

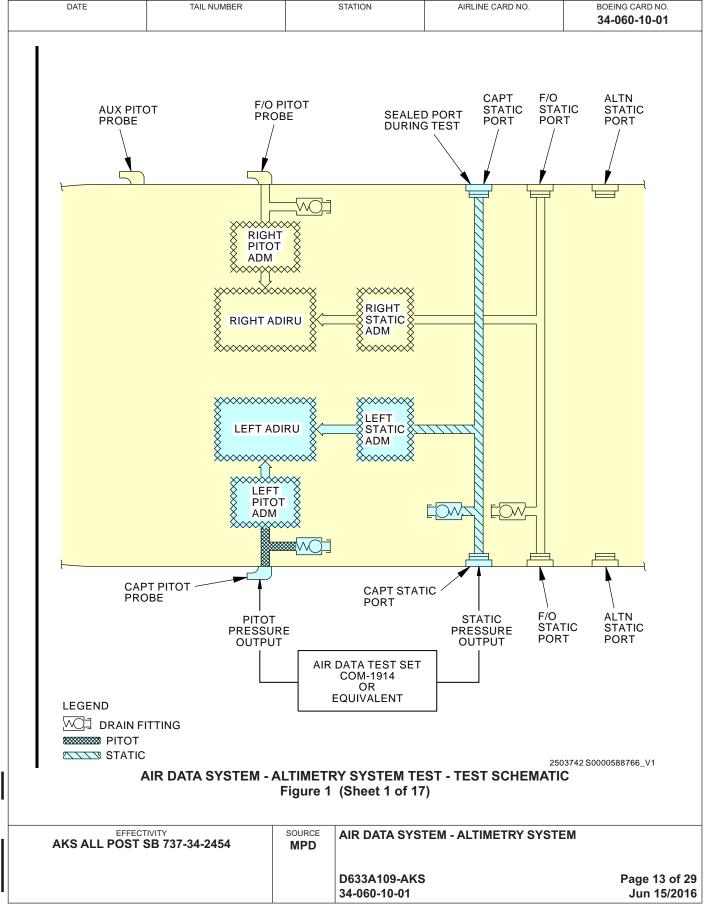
34-060-10-01

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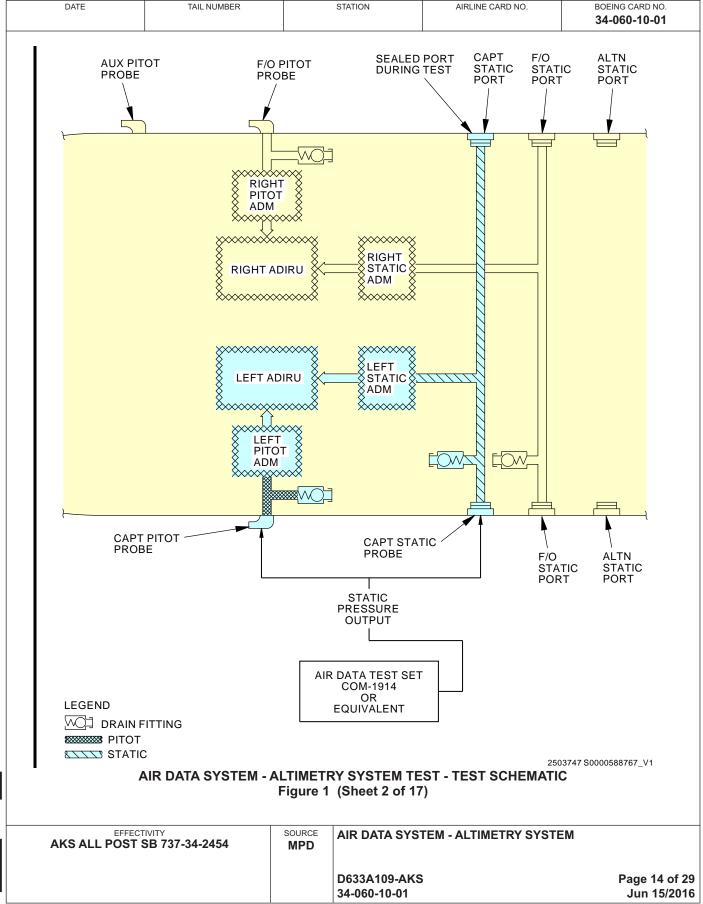


DATE	Т.	TAIL NUMBER			STATION	AIRLINE CARD NO.		BOEING CARD NO. 34-060-10-01		
	WA		FROM THIS M	THE PI	TOT AND STAT JSE INCORRE	D TAPE RESIDUE IS TIC PORTS. FAILURE CT INFORMATION TO I PLACING THE AIRC	TO REMOVE THE	MECH	INSI	
	b)		e the So	cotch Br	and No.471 tap	oe, G02219, from the re	emaining F/O			
	c)			tot test a	adapter, COM-1	1916 on the F/O pitot p	robe.			
	d)				connect couplinging fittings.	g, COM-1926 and the	coupling,			
	e)	Install o	aps on	the F/O	pitot and statio	system drain fittings.				
	f)	lining, i	n the fo	rward ca	argo compartme	access panel, on the le ent. Refer to CARGO S - REMOVAL/INSTAL				
	g)	Do a ge drain fit		isual ins	spection (GVI) o	of the F/O pitot and sta	tic system			
					the actuation rii lock pins.	ng of the drain fitting is	fully			
					color lock ring ir onnected correc	ndicator shows that the ctly.	system			
, ,	ve the sa				e circuit breake	ers:				
Row	Electric Col	Numbe			•					
C	1	C00523	HE	ATERS	CAPT PITOT					
D	5	C00525	HE	ATERS	F/O PITOT					
F/O E	lectrical	System	Panel,	P6-2						
Row	<u>Col</u>									
Α	6	C00566	FLI	IGHT C	ONTROL FLAP	LOAD RELIEF				
` '				sary, do	this: Remove E	external Power, AMM				
IAOR	24-22-00			ND OE .	TASK ———					
			—— EI	אט טר	IAUN ———					
			S	OURCE	AID DATA SVST	TEM ALTIMETRY OVOT			<u> </u>	
AKS ALL POST		4-2454		MPD	AIR DAIA 3131	TEM - ALTIMETRY SYST	⊏IVI			
		4-2454			D633A109-AKS 34-060-10-01		Pa	ge 12 ( un 15/		

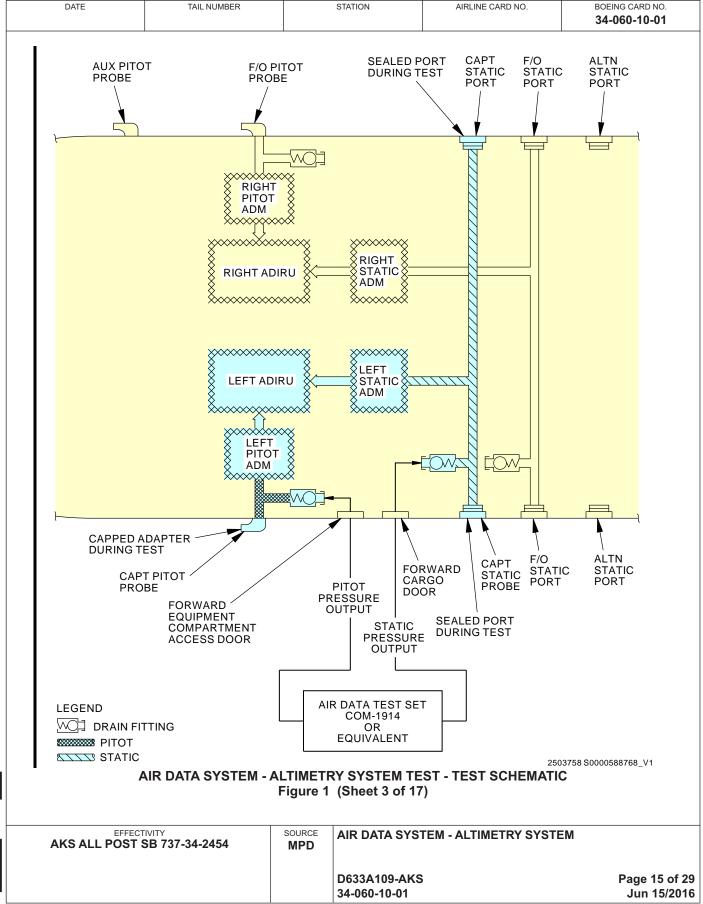




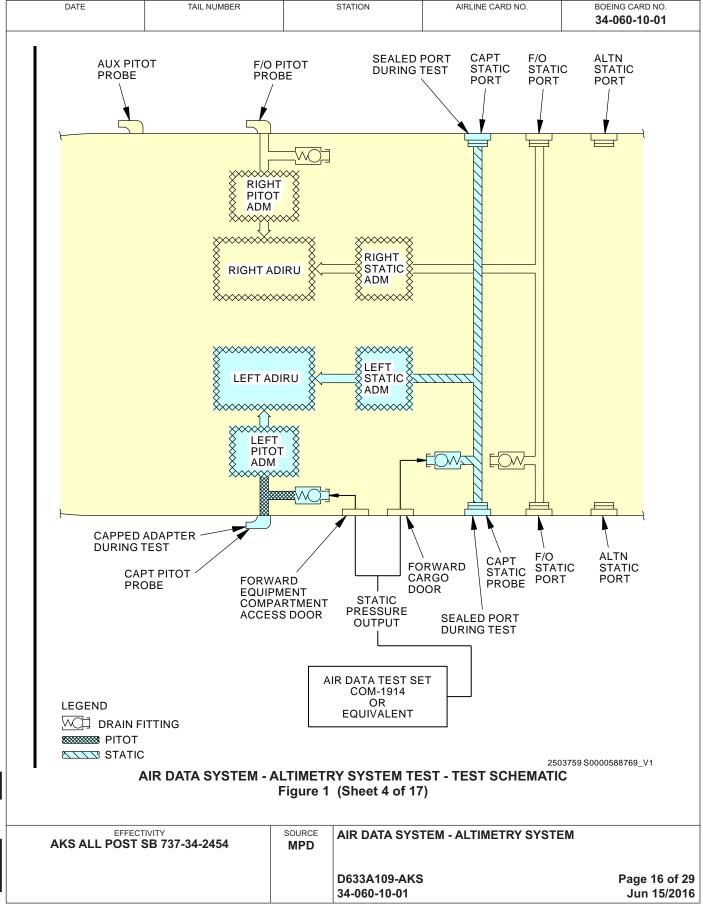




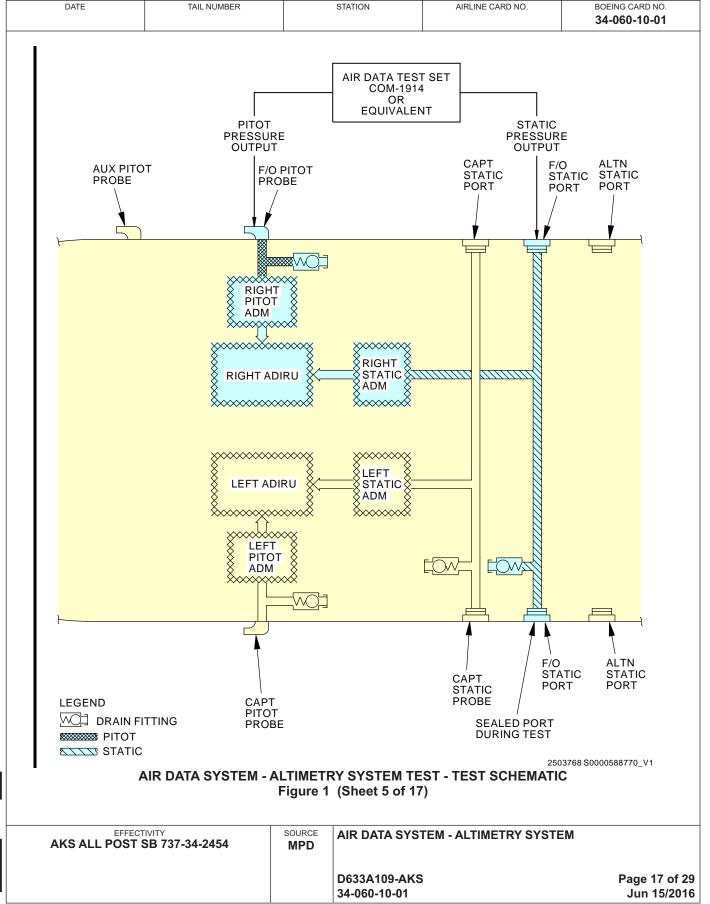




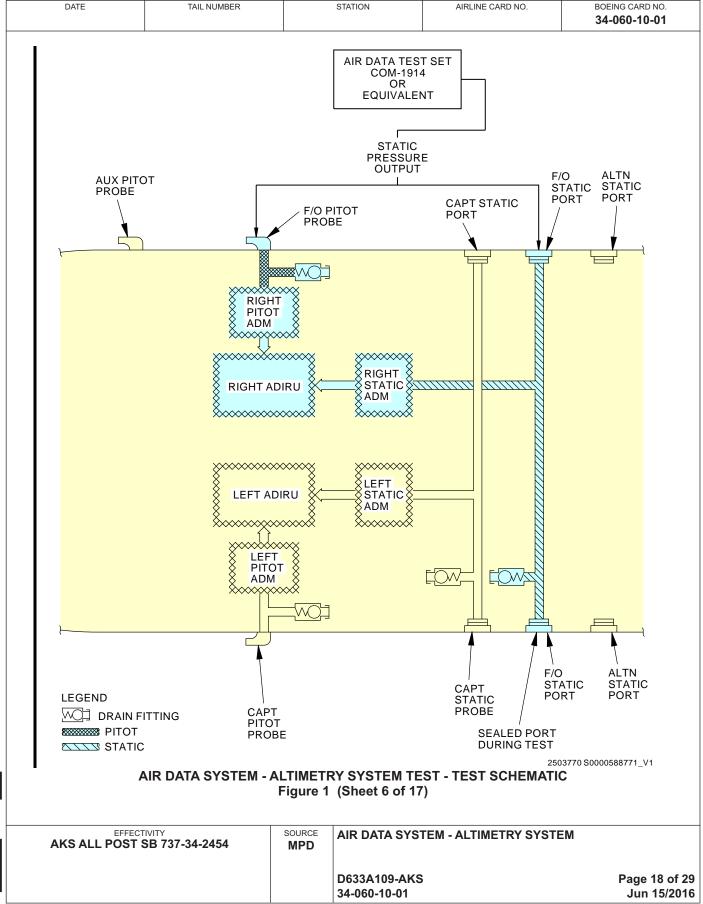




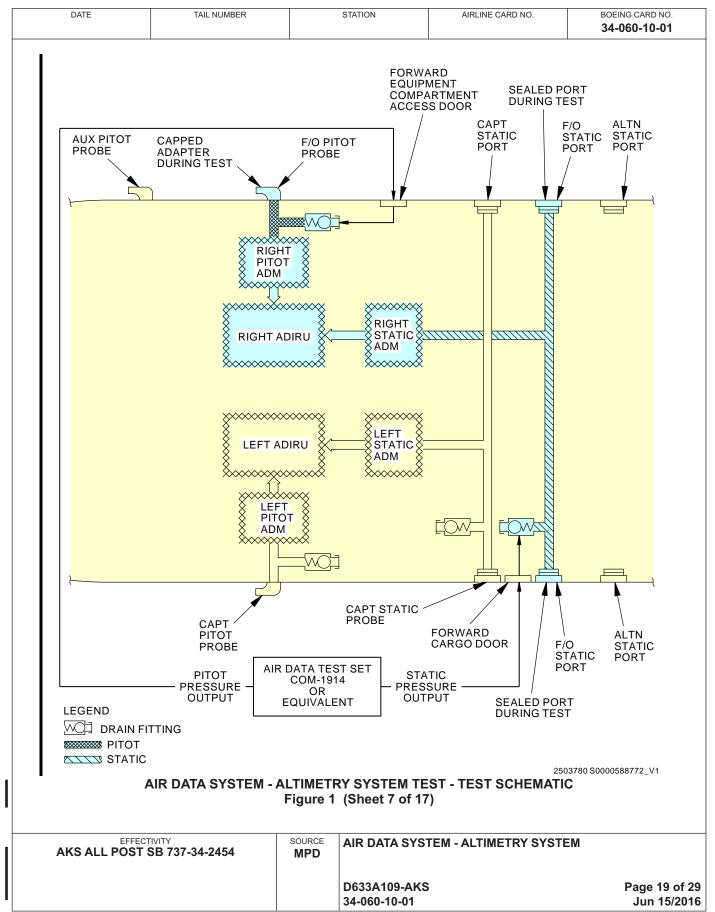




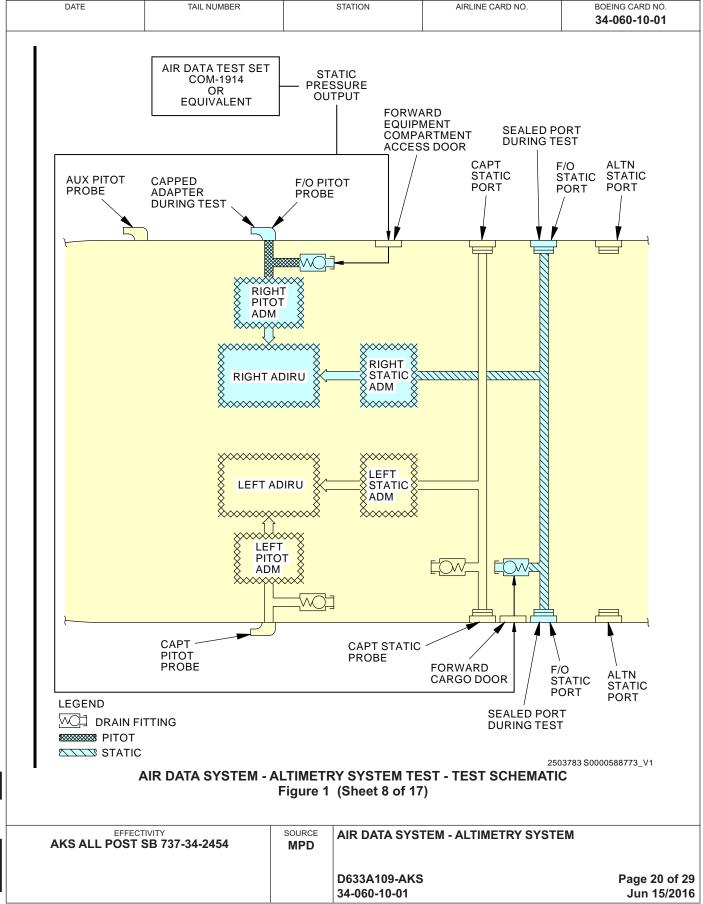




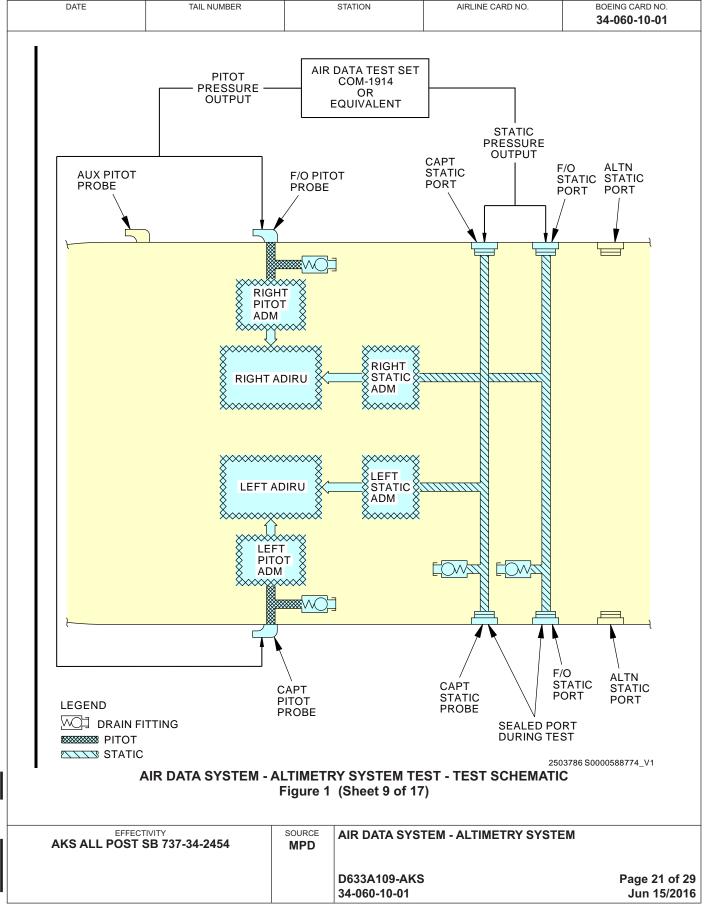




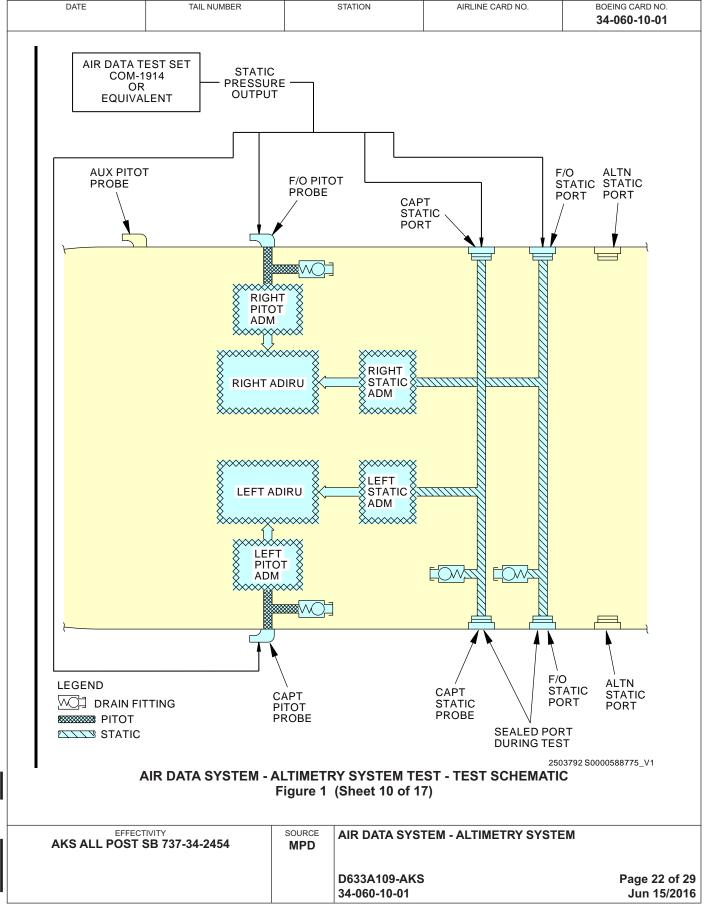




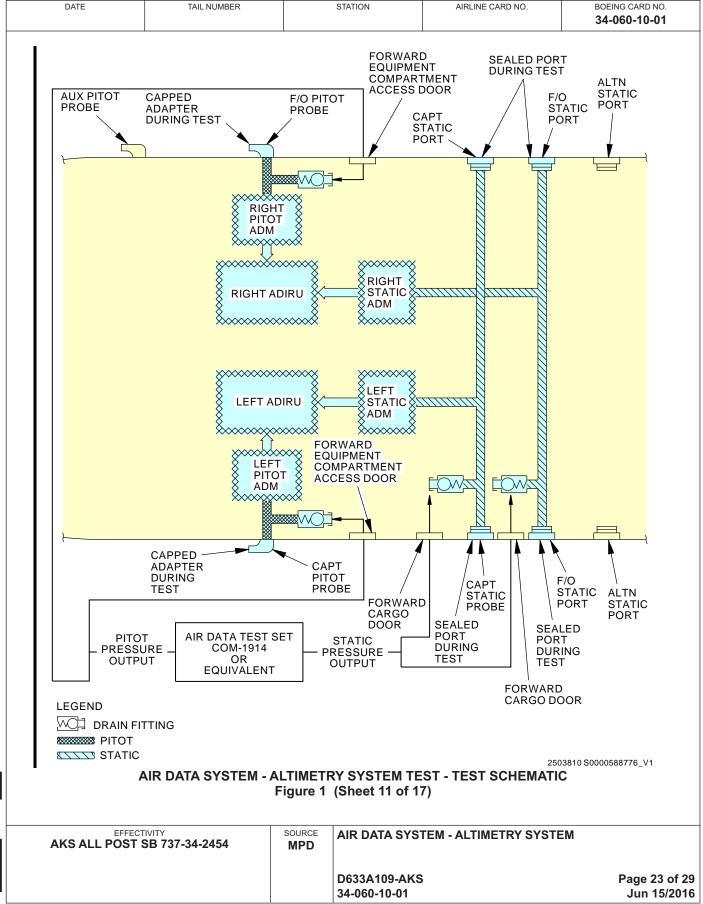




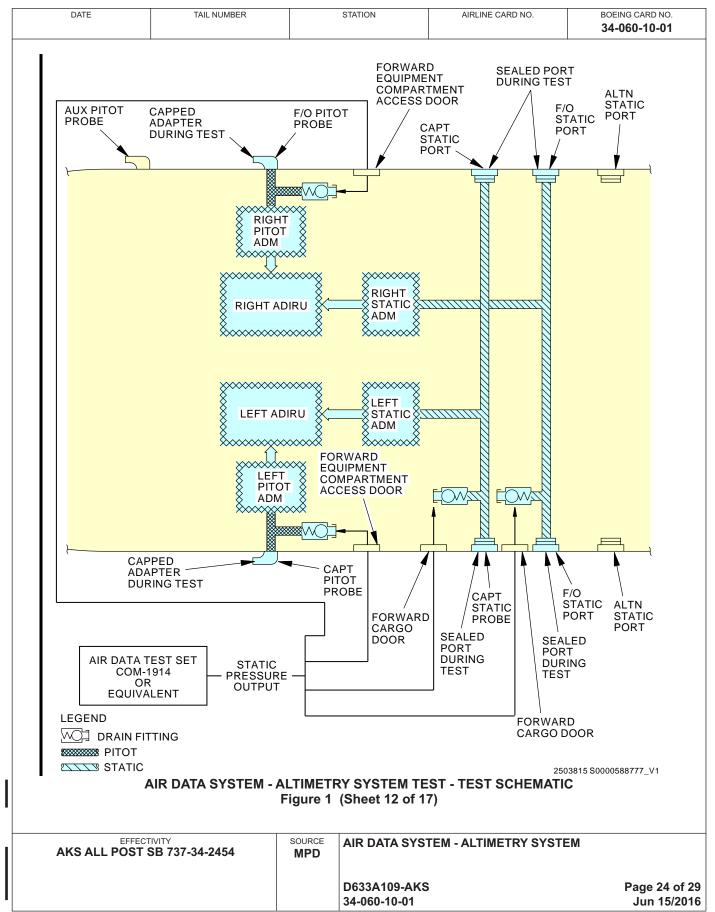














DATE	TAIL NUMBER		STATIC	ON		F	AIRLINE C	CARD NO.		34-060-10-01
	(G <sub>Hu)</sub> o <sub>1</sub>								<b>.</b> \$2	
	(Grin) onesed to sure of the off	eled elow	(a)	(a)	(a)	(a)	(a)		Data Test Set reaches the input static pressure value before recording measurements.	
	(Grus Str. 18 de Le Sanse 18 de Le S	Alen Alen	± 0.012 (	± 0.012 (	0000 =	± 0.012 (	+ 0.012	-t-	cording m	
	(GHII) NO ON SESSION OF SHIPS SESSION OF	PIS S						Measuremer ic ADM	before rec	
	(GHU) PURE OF STREET OF ST	Deptoset a						Static Pressure Measurement- Left Static ADM	sure value	
	(GHU) SIOS VIOS SONSE	Joon O						Stat	static press	
	100 mg	A lein.	± 0.012	± 0.012	± 0.009	± 0.012	± 0.012	ment-	the input	
	(Grun) radio or nego a stress in s	NIN POR						Total (Pitot) Pressure Measurement- Left Pitot ADM	et reaches	
		'soy a						(Pitot) Press Left Pi	ata Test S	
	(G <sub>HU)</sub> O &	JEC 115 A						Total	_	
	(O <sub>Hu)</sub> * 'o	TA JOHA	No Entry	No Entry	No Entry	No Entry	No Entry	Data Test	inute after	
		ilio 1884	29.917 ± 0.029	13.585 ± 0.029	5.611 ± 0.029	13.585 ± 0.029	29.917 ± 0.029	Entry to the Data Test Set	(a) Allow one minute after the Ai	
	AIR DATA SYSTEM -	\\	FY SY	∾ ∕STE	ω M TE	<sub>₹</sub>	2	SCHE	2503967 S00	00588778_V1
AKS ALL POS	FECTIVITY ST SB 737-34-2454	SOURCE MPD	AIR	DATA	SYST	EM - A	ALTIMI	ETRY S	SYSTEM	
				3A109 60-10	9-AKS 9-01					Page 25 of Jun 15/20



DATE	TAIL NUMBER		STATION	I		AIRLINE	E CARD NO.	BOEING CARD NO. 34-060-10-01
(qu) esq.	Sea of the first of the state o						ements.	
(Au) Sp.	102 3/03 80/4 10 80/4 81	(a) (a)	(a)	(a)	(a)		neasur	
c/69e765p.	Selves se	± 0.4 ± 0.4	± 0.3	± 0.4	± 0.4		ording r	
(qu) maino	Stresseld 3/16/2 bed gold and a color of the					easurement- ADM	before reco	
	90 / 970 /					Static Pressure Measurement- Left Static ADM	ssure value	
(qu) &	ONINA SOURCE SOURCE OF THE CONTROL O					Stati	ata Test Set reaches the input static pressure value before recording measurements.	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2 /6.	4.0 + + 0.4	+ 0.3	+ 0.4	+ 0.4	ent-	the inpu	
(qu <sub>J</sub> n <sub>dino</sub>	OD. PIOD SOURCE OF A DOLOGE OF					Pitot) Pressure Measurement- Left Pitot ADM	et reaches	
	No.							
	Olngs.					Total (	er the Air D	
	(dff) * (9108/89 td 316/8) (dff) * (df	No Entry No Entry	No Entry	No Entry	No Entry	y to the Air Data Test Set	minute aft	
	ilio de la significación d	1013 ± 1.0 460 ± 1.0	190 ± 1.0	460 ± 1.0	1013 ± 1.0	Entry to the Test	(a) Allow one minute after the Air	
	30%	- 0	м	4	ro		_	03992 \$0000588780_V1
,	AIR DATA SYSTEM -	ALTIMET Figure 1				TEST		
AKS ALL POST	TIVITY SB 737-34-2454	SOURCE MPD	AIR D	ATA SY	STEM ·	- ALTIN	METRY SYSTI	ΞМ
				A109-Ak 0-10-01	(S			Page 26 o Jun 15/2



DATE	TAIL NUMBER		STATION	I		AIRLI	NE CARD	NO.	BOEING CARD NO 34-060-10-01
	(GHI)) SP C SO S							ments.	
	(GHU) CIOS NE SHIC SUI 10 SS	O SION 3	(a)	(a)	(a)	(a)		ıeasure	
	HILIT SPECTOR SOLD SOLD SOLD SOLD SOLD SOLD SOLD SOLD	A618101	± 0.012	± 0.009	± 0.012	± 0.012		ording m	
	(OHU) St. Ball Co. Jos Jones of Just So.	ilelellia					Static Pressure Measurement- Right Static ADM	oefore recc	
	(GHI)) NONO SINSSON SINS SES IS A OTHER SINS SES IS A STREET OF SINS SINS SINS SINS SINS SINS SINS SIN	Dayose de la Caracteria					ic Pressure IV Right Stati	sure value l	
	(Grun) & 102 . VO2 2 & 1186 . 188 188 188 188 188 188 188 188 188 1	Jeo <sub>JIV</sub> O					Stati	static press	
	OG CA SHATELY	, \	± 0.012	≠ 0.009	± 0.012	± 0.012	ement-	Data Test Set reaches the input static pressure value before recording measurements.	
	(Gray) Wallo Stree	OIO OIO					ssure Measur Pitot ADM	Set reaches	
	\$ 15 ex	, <del>\</del>					Total (Pitot) Pressure Measurement- Right Pitot ADM	Data Test (	
	is <sub>Jnss</sub> s		2 2	2	2	ځ			
	(G A11) \$ '810	*/\delta   \frac{1}{2}	No Entry	No Entry	No Entry	No Entry	)ata Test	nute aft	
	(O, H <sub>U)</sub> * ' O, N S, SO, (1) 1/4	Saliele Scale	13.585 ± 0.029	5.611 ± 0.029	13.585 ± 0.029	29.917 ± 0.029	Entry to the Data Test Set	(a) Allow one minute after the Air	
		7307		ю	4	2			04.0000050555
	AIR DATA SYSTEM -	ALTIME <sup>*</sup> Figure *				- TES	ST SCI		04 S0000588781_V1
AKS ALL POS	ECTIVITY T SB 737-34-2454	SOURCE MPD	AIR D	ATA S	YSTEN	1 - ALT	IMETR	Y SYSTEM	l
				A109-A 0-10-01					Page 27 Jun 15/



DATE	TAIL NUMBER			STATION			AIRLINE	E CARD NO.	BOEING CARD NO. <b>34-060-10-01</b>
(qu) e In	Sea de lus es							ements.	
(944) Sp.	22. 2/03 10 83/18 NOW	(a)	(a)	(a)	(a)	(a)		neasur	
E/8987654	18178 SB12 1810 J	± 0.4	± 0.4	± 0.3	± 0.4	± 0.4		rding r	
***************************************	WAY SURSON BURGOOD OF CO. JOS. SURSON BURGOOD OF						leasurement- c ADM	before reco	
	So / 5'40 /						Static Pressure Measurement- Right Static ADM	essure value	
(qu) & land	ONIAN SINSSO OF	0.4	6.0	0.3	0.4	0.4	Ñ	nput static pr	
\ \ \		# 0	0 +1	0 #	0 #	0 #	(Pitot) Pressure Measurement- Right Pitot ADM	Data Test Set reaches the input static pressure value before recording measurements.	
	2,100/6						I (Pitot) Pressure Right Pitot	Data Test Se	
	e <sub>I/I/S</sub> s <sub>2</sub>	ر يخ	بع	ح	. يخ	-5	a Total	after the Air	
	(94) \$ 11/8° }	No Entry	No Entry	No Entry	No Entry	No Entry	y to the Air Data Test Set	ninute ;	
	(QU) \$ SHOOLA SEAL SURE SE	1013 ± 1.0	460 ± 1.0	190 ± 1.0	460 ± 1.0	1013 ± 1.0	Entry to the Test S	(a) Allow one minute after the Air	
	10/	-	7	т	4	2			4005 S0000588782_V1
- ,	AIR DATA SYSTEM			RY SYS (Shee			TEST		
AKS ALL POST			URCE IPD	AIR D	ATA SY	STEM	- ALTIN	METRY SYSTE	M
					\109-AI )-10-01	KS			Page 28 Jun 15/



DATE	TAIL NUMBER	STATIC	DN		AIRLI	NE CA	RD NC	D. BOEING CARD NO. 34-060-10-01
	he most to get the		Results in mb 1013 1013	460	460	190	190	
	perform e bit 28 is tl		Conversion rate decimal to mb 0.03125	0.03125	0.03125	0.03125	0.03125	
neering Data Conversion Information	onvert binary data from ARINC 429 Bus Analyzer to engineering data, perform ollowing:  DIRU Label 242 or 245:  a) Make a record of bits 28 through 13. Bits 28 through 13 are the data bits, where bit 28 is the most significant bit and bit 13 is the lease significant bit.  b) Convert bits 28 through 13 from binary to decimal then multiply decimal value by 0.03125 to get the static pressure in mb.		Label 245 decimal value 32416 32416	14720	14720	6080	6080	
nai	eeri lata lecir		000	0	0 0	0	0 0	
orn	gin. he d		4 0 0 0	0	0 0	0	0 0	
Inf	o en are tl		0 0 0	0	0 0	0	0 0	
uc	er to		9 0 0 0	0	0 0	0	0 0	
rsic	lyze ugh t.		7 0 0 0	0	0 0	0	0 0	
\ \ \	√na throu nt bi cime		18 2 <sup>A</sup> 5 32	0	0 0	0	0 0	
on	us A		0 0 0	0	0 0	~	2v6 64	
O	9 Br Bits signi		20 1 2 <sup>2</sup> 7 128	-	2^7 128	-	128	
ata	42, 13. ase s		0 0 0	-	2^8 256	-	2^8 256	
	NC ugh e leg		22 1 2v9 2v9 512	0	0 0	~	249	
l jui	ARI thro is th		23 1 2^10 1024	0	0 0	-	2^10 1024	
96	om : 3.28 13 i ugh		24 1 2^11 2048	-	2^12 2^11 4096 2048		0 0	
) jine	a frc 245: f bits d bit hroun		25 24 1 1 2^12 2^11 4096 2048	1	2^12 4096	-	2^12 4096	
Engir	ary data i 242 or 24 ecord of b it bit and b oits 28 thre ssure in m		26 1 2^13 8192	~	2^13 8192	0	0 0	
	ary 1242 eco nt bii bits		27 1 2^14 16384	0	0 0	0	0 0	
	vert binary data fowing:  RU Label 242 or 24  Make a record of bisignificant bits 28 three static pressure in m		28 0 0	0	0 0	0	0 0	
	To convert binary data the following: For ADIRU Label 242 or 2. a) Make a record of the significant bit and b) Convert bits 28 the static pressure in a stat	For Example:	Label 245 Bit Position Example Binary Data Conversion to Decimal Decimal Values	Example Binary Data	Conversion to Decimal Decimal Values	Example Binary Data	Conversion to Decimal Decimal Values	
I	☐ ☴ Ⅲ AIR DATA SYSTEM - AI							2504008 \$0000588802_V1
		igure 1 (She						<b></b>
	SB 737-34-2454	SOURCE AIR MPD	DATA SYS	ГЕМ -	- ALT	IME	TRY	SYSTEM
			3A109-AKS 60-10-01					Page 29 of 2 Jun 15/201



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

AIRLINE CARD NO			PITOT PROBES	BOEING CARD NO. <b>34-070-00-01</b>		
DATE	INSPECTION - DETAILED				RELATE	D CARD
TAIL NUMBER	WORK AREA FUSELAGE	VERSION 1.1	THRESHOLD <b>7500 FH</b>	REPEAT <b>7500 FH</b>	APPLICABILITY	
STATION	SKILL AIRPL				AIRPLANE ALL	ALL ALL
		ACCESS			ZONE 113 114	
etail visual	inspection of the p	pitot probes.				

A. References

Reference	Title
AMM 34-11-01-200-803	Pitot Probe - Special Detailed Inspection (P/B 601)

EFFECTIVITY AKS ALL	SOURCE MRB	PITOT PROBES	
		D633A109-AKS 34-070-00-01	Page 1 of 4 Oct 15/2014
	AKS ALL	AKS ALL MRB	AKS ALL MRB D633A109-AKS



[	DATE		Т	AIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 34-070		
TAS	K 34-	11-01-20	00-804						MECH	INS
				spection						
	ure 1)									
Α.	Pito	t Probe	Inspec	tion						
		SK 34-11-01-	-							
	(1)	Open th	nese cir	rcuit breakeı	rs and install	safety tags:				
		CAPT	Electric	cal System	Panel, P18-	3				
		Row	<u>Col</u>	<u>Number</u>	<u>Name</u>					
		С	1	C00523		CAPT PITOT				
		D D	5 6	C00525 C00524		F/O PITOT AUX PITOT				
		_		C00324	HEATERS	AUX FITOT				
	(2)	-SK 34-11-01 - Vieu ally		ne the nitot	nrohe for da	mage or unwan	ited material in the drain	holes the		
	(2)				our of the pro		ned material in the drain	i fioles, tile		
	SUBTA	SK 34-11-01-	220-017							
	(3)	Make s	ure the	edge of the	pitot openir	ıg is sharp.				
	SUBTA	SK 34-11-01-	220-018							
	(4)	Make s	ure the	inner surfac	ce of the pro	be tip is smooth	and rounded.			
	SUBTA	SK 34-11-01-	220-019							
	(5)	Make s	ure tha	t the outer s	surface of the	e probe tip is sm	nooth and rounded.			
	SUBTA	SK 34-11-01-	220-020							
	(6)	Make s	ure the	leading edg	ge of the pito	t probe does no	ot have nicks.			
	SUBTA	SK 34-11-01-								
	(7)	Make s	ure the	leading edg	ge of the pito	t probe axis (pit	tot scarf) is even.			
		SK 34-11-01-								
	(8)					obe is not satist SK 34-11-01-20	factory, do a special deta 0-803).	ailed		
	SUBTA	SK 34-11-01-	860-168							
	(9)	Remov	e the sa	afety tags ar	nd close the	se circuit breake	ers:			
		CAPT	Electric	_	Panel, P18-	3				
		Row	Col		<u>Name</u>					
		C D	1 5	C00523 C00525		CAPT PITOT F/O PITOT				
		D	5 6	C00525 C00524		AUX PITOT				
			ŭ	00002						
					— END OF	TASK ———				
		EFFECTIVE AKS A			SOURCE MRB	PITOT PROBES	3			
						D633A109-AKS			Page 2	



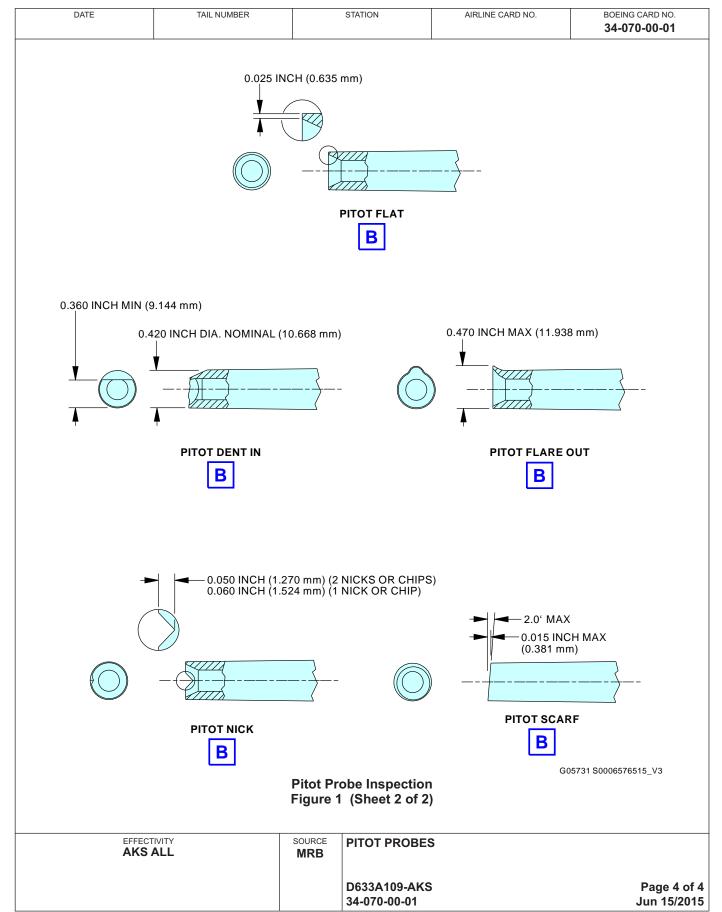
#### 737-600/700/800/900 TASK CARDS

STATION DATE TAIL NUMBER AIRLINE CARD NO. BOEING CARD NO. 34-070-00-01 PITOT PROBE PITOT PROBE PITOT PROBE (EXAMPLE) G05728 S0006576514\_V2 **Pitot Probe Inspection** Figure 1 (Sheet 1 of 2) SOURCE EFFECTIVITY **PITOT PROBES AKS ALL MRB** D633A109-AKS Page 3 of 4

34-070-00-01

Jun 15/2015









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

AIRLINE	CARD NO		STATIC PORTS	BOEING CARD NO. <b>34-080-00-01</b>		
DATE	TASK INSPECTION - DETAILED				RELATE	D CARD
TAIL NUMBER	WORK AREA FUSELAGE	VERSION 1.1	THRESHOLD 15000 FH	REPEAT <b>15000 FH</b>	APPLIC/	ABILITY ENGINE
STATION	SKILL AIRPL				ALL	ALL
		ACCESS			ZONE 113 114	

Detailed inspection of the static ports.

#### A. References

Reference	Title
AMM 34-11-02-000-803	Alternate Static Port Removal (P/B 401)
AMM 34-11-02-020-801	Primary Static Port Removal (P/B 401)
AMM 34-11-02-200-801	Static Port - Special Detailed Inspection (P/B 601)
AMM 34-11-02-400-801	Primary Static Port Installation (P/B 401)
AMM 34-11-02-400-803	Alternate Static Port Installation (P/B 401)
SRM 51-10-01	Structural Repair Manual

EFFECTIVITY AKS ALL	source <b>MRB</b>	STATIC PORTS	
		D633A109-AKS 34-080-00-01	Page 1 of 6 Oct 15/2014



	DA	TE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CARD		
									_
	TASK	34-11-0	2-200-803				ME	ECH INS	;Р —
1.			etailed Inspection						
	(Figur	re 1 or Fig	gure 2)						
	Α.	Inspection	on Procedure						
		SUBTASK 34-							
		(1) Visu	ually examine the sta	tic port for da	amage.				
	;	SUBTASK 34-	11-02-210-008						
		(2) Visu	ually examine the hol	es in the port	t for contamination	on.			
	;	SUBTASK 34-	11-02-900-008						
		(3) If th	ere is a problem with	a primary st	atic port, replace	the port.			
		(a)	These are the tasks	3:					
		( )	Primary Static Port	Removal, Al	им TASK 34-11-	02-020-801.			
			Primary Static Port						
		SUBTASK 34-	•						
			ere is a problem with	an alternate	static port, repla	ice the port.			
		. ,	·		otatio port, ropie	100 tilo porti			
	4		; 737-600, 737-800 O						
		(a)	These are the tasks						
			Alternate Static Po	t Removal, A	AMM TASK 34-11	-02-000-803,			
			Alternate Static Po	t Installation	, AMM TASK 34-	11-02-400-803.			
		AKS ALL							
	;	SUBTASK 34-	11-02-220-012						
	(	(5) Visu	ually examine the sur	face of the ai	irplane skin in a	three inch radius around	I the port:		
		(a)	Make sure that the	surface of th	e skin is not rou	gh.			
		(b)	If the skin is rough,	refer to the S	Structural Repair	Manual (SRM 51-10-01	1).		
	;	SUBTASK 34-	11-02-200-001						
	(					actory, do the Static Por	t - Special		
		Det	ailed Inspection (AMI		,				
				— END OF	TASK ———				
			ECTIVITY	SOURCE	STATIC PORTS	 ;			_
		AK	S ALL	MRB			the port:		
					D633A109-AKS	:	Par	10 2 of	6
					34-080-00-01	,			

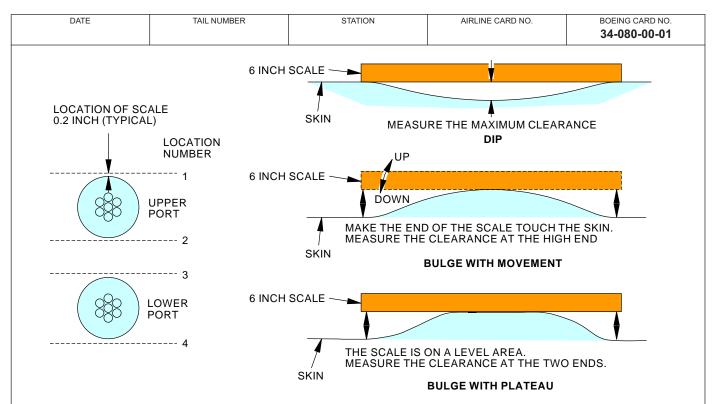


#### 737-600/700/800/900 TASK CARDS

STATION DATE TAIL NUMBER AIRLINE CARD NO. BOEING CARD NO. 34-080-00-01 00000000 PRIMARY STATIC PORTS (LEFT SIDE) 00000000 PRIMARY STATIC PORTS (RIGHT SIDE) L49558 S0006576538\_V2 **Primary Static Port Inspection** Figure 1 (Sheet 1 of 3) EFFECTIVITY SOURCE STATIC PORTS **AKS ALL MRB** D633A109-AKS Page 3 of 6 Oct 15/2015 34-080-00-01



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



			LEFT S	SIDE						
	LOCATION	OCATION DIP BULGE WITH MOVEMENT B						BULGE WITH PLATEAU		
		MAXIMUM	FORWARD	AFT	MAXIMUM	FORWARD	AFT	MAXIMUM		
	1	-0.010								
UPPER PORT	2	-0.004								
	WAVINESS	-0.007								
	3		0.008	0.000	0.008					
LOWER PORT	4		0.020	0.010	0.020					
	WAVINESS				0.007					
		•	RIGHT	SIDE						
	LOCATION	DIP	BULGE	WITH MO	VEMENT	BULG	WITH P	LATEAU		
		MAXIMUM	FORWARD	AFT	MAXIMUM	FORWARD	AFT	MAXIMUM		
	1	-0.010								
UPPER PORT	2	-0.000								
	WAVINESS	-0.005								
	3					0.008	0.000	0.008		
LOWER PORT	4					0.020	0.010	0.020		
	WAVINESS							0.014		

### EXAMPLE CALCULATIONS OF SKIN WAVINESS MEASUREMENT NEAR PRIMARY STATIC PORTS

L49588 S0006576539\_V2

Primary Static Port Inspection Figure 1 (Sheet 2 of 3)

EFFECTIVITY AKS ALL	SOURCE MRB	STATIC PORTS	
		D633A109-AKS 34-080-00-01	Page 4 of 6 Oct 15/2015



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

DATE	TAIL NUMBER	STATION	AIRLINE CARD NO	D. BOEING CARD NO. <b>34-080-00-01</b>
	6 INCH	SCALE	V	
LOCATION OF SO		SKIN	MEASURE THE MAXIMUM	CLEARANCE
	LOCATION NUMBER 1 6 INCH	SCALE	DIP (UP	
	UPPER PORT	DC	WN HE END OF THE SCALE TO	DICH THE SKIN
	2 3		BULGE WITH MOVE	HE HIGH END
	PORT	SCALE		
	4		ALE IS ON A LEVEL AREA. RE THE CLEARANCE AT TH BULGE WITH PLAT	

			LEFT :	SIDE				
	LOCATION	DIP	BULGE	WITH MO	VEMENT	BULGE	WITH PI	LATEAU
		MAXIMUM	FORWARD	AFT	MAXIMUM	FORWARD	AFT	MAXIMUM
	1							
UPPER PORT	2							
	WAVINESS							
	3							
LOWER PORT	4							
	WAVINESS							
	•	•	RIGHT	SIDE				•
	LOCATION	DIP	BULGE	WITH MO	VEMENT	BULGE	WITH PI	LATEAU
		MAXIMUM	FORWARD	AFT	MAXIMUM	FORWARD	AFT	MAXIMUM
	1							
<b>UPPER PORT</b>	2							
	WAVINESS							
	3							
LOWER PORT	4							
	WAVINESS							

#### FORM FOR SKIN WAVINESS MEASUREMENT NEAR PRIMARY STATIC PORTS

L49603 S0006576540\_V2

Primary Static Port Inspection Figure 1 (Sheet 3 of 3)

EFFECTIVITY AKS ALL	SOURCE MRB	STATIC PORTS	
		D633A109-AKS 34-080-00-01	Page 5 of 6 Oct 15/2015

TAIL NUMBER

DATE

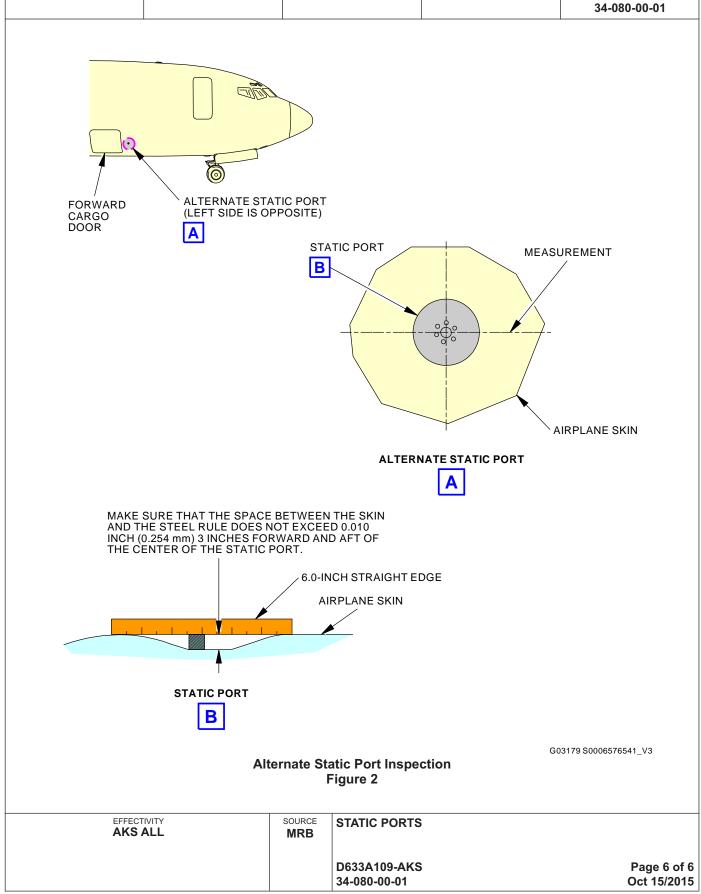


#### 737-600/700/800/900 TASK CARDS

STATION

AIRLINE CARD NO.

BOEING CARD NO.





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

AIRLINI	E CARD NO		PITOT SYSTEMS		BOEING CAR 34-090-0	
DATE	TASK INSPECTION - DETAILED				RELATED C	ARD
TAIL NUMBER	WORK AREA FUSELAGE	VERSION 1.1	THRESHOLD 15000 FH	REPEAT <b>15000 FH</b>	APPLICABII AIRPLANE	LITY ENGINE
STATION	SKILL AIRPL				600 700 800 900 900ER	ALL
		ACCESS 112A			ZONE <b>112</b>	

Detail inspection for moisture in the pitot systems.

A. References	Α.	Re	fere	nces
---------------	----	----	------	------

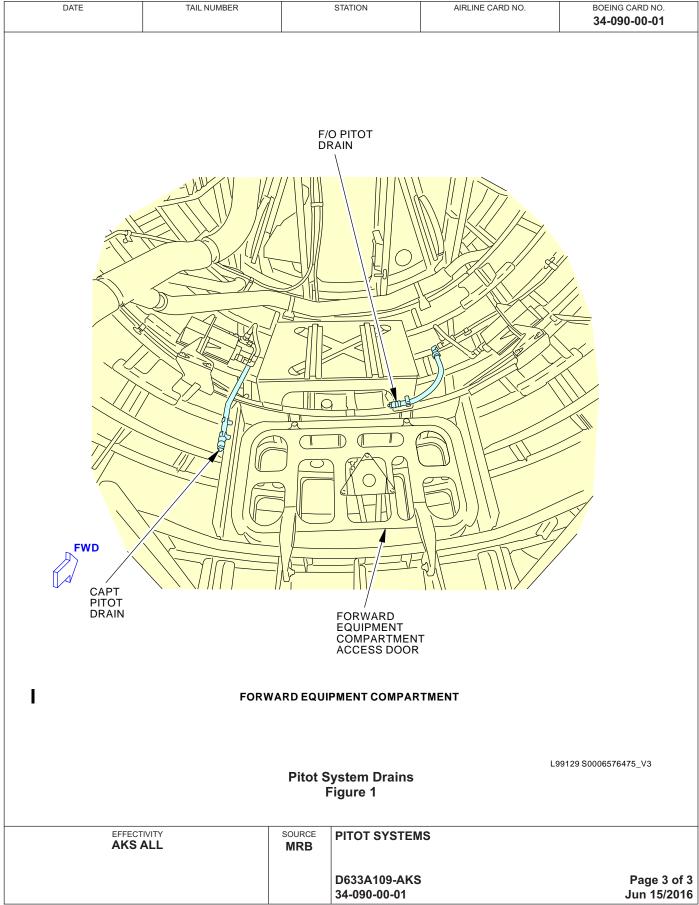
Reference	Title
AMM 34-11-00-680-801	Pitot Static System - Draining (P/B 301)

EFFECTIVITY AKS ALL	SOURCE MRB	PITOT SYSTEMS	
		D633A109-AKS 34-090-00-01	Page 1 of 3 Jun 15/2015



		DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C. <b>34-090</b>		
	TAS	K 34-	11-00-2	210-801					MECH	INSP
1.				etailed Inspection o	f Drains					
	(Fig	ure 1)								
	A.	Proc	edure							
			SK 34-11-00							
		(1)	Do a d		moisture 1	for the Captains	and First Officers pitot s	system		
					system doe	es not have a dr	ain fitting. The probe is	at the		
				lowest part of the sy	stem line	so that moisture	can drain from the prol	oe.		
			SK 34-11-00		-4 6 4	ha laaatiana aha	ura da thia taalu Ditat C	tatia Cuatana		
		(2)		ning moisture in at lea ning, AMM TASK 34-1			ove, do this task: Pitot S	tatic System		
						TASK ———				
				Th (IT)	20117-7					
			AKS A		SOURCE MRB	PITOT SYSTEM	S			
						D633A109-AKS			Page 2	
						34-090-00-01		F	eb 15/	<b>∠</b> ∪15







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

AIRLINI	E CARD NO		STATIC SYSTEMS	8	BOEING CAR 34-100-0	
DATE	TASK INSPECTION - DETAILED				RELATED C	:ARD
TAIL NUMBER	WORK AREA FUSELAGE	VERSION 1.1	THRESHOLD 15000 FH	REPEAT <b>15000 FH</b>	APPLICABII AIRPLANE	LITY ENGINE
STATION	SKILL AIRPL				600 700 800 900 900ER	ALL
		ACCESS 117A 821			ZONE 118 123	

Detail inspection for moisture in the static systems.

Α.	References
----	------------

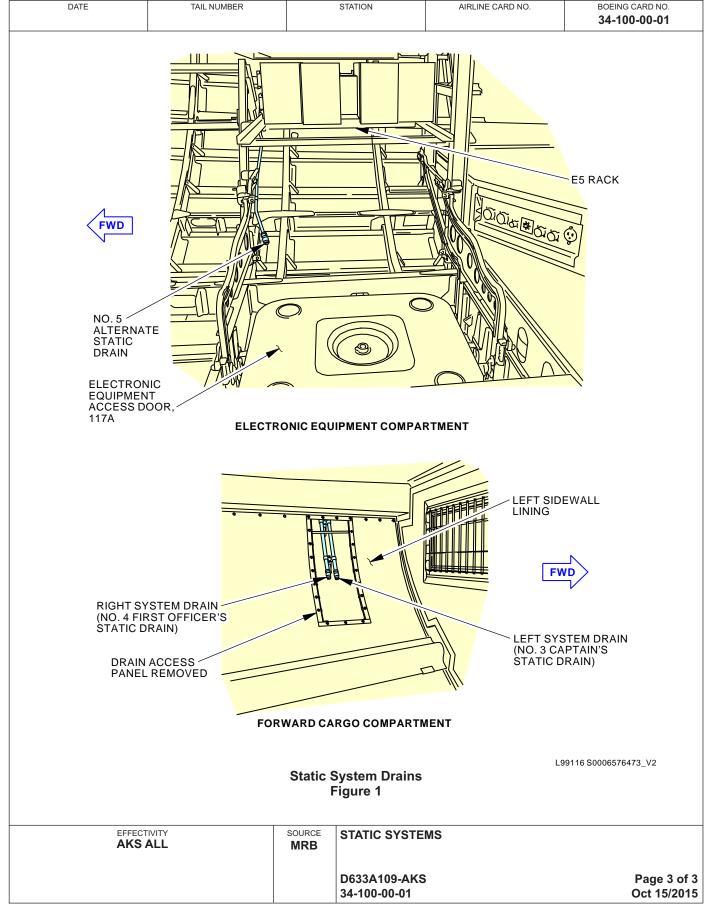
Reference	Title
AMM 34-11-00-680-801	Pitot Static System - Draining (P/B 301)

	Γ		
EFFECTIVITY AKS ALL	SOURCE MRB	STATIC SYSTEMS	
		D633A109-AKS 34-100-00-01	Page 1 of 3 Jun 15/2015



	[	DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA		
								34-100-		
	TAS	K 34-	11-00	)-210-802					MECH	INSP
1.				- Detailed Inspect	ion of Drains	<u>3</u>				
	(Fig	ure 1)								
	A.	Pro	cedui	°e						
		SUBTA	NSK 34-1	1-00-210-002						
		(1)	Do a	a detailed inspection	n for moisture	in the static syst	em drains for these sys	tems:		
			(a)	Alternate Static Sy	/stem					
			(b)	First Officers Stati	c System					
			(c)	Captains Static Sy	stem .					
		SUBTA	NSK 34-1	1-00-680-002						
		(2)		u find moisture in a			ove, do this task: Pitot S	tatic System		
					— END OF	F TASK ———				
				ECTIVITY <b>S ALL</b>	SOURCE MRB	STATIC SYSTE	MS			
						D633A109-AKS 34-100-00-01			Page 2 eb 15/	









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

AIRLINI	AIRLINE CARD NO		TITLE STEM FUNCTIONA		BOEING CARD NO. <b>34-110-00-01</b>		
DATE	TASK FUNCTIONAL				RELATE	D CARD	
TAIL NUMBER	WORK AREA FUSELAGE	VERSION 1.1	THRESHOLD  24 MO	REPEAT <b>24 MO</b>	APPLIC AIRPLANE	ABILITY ENGINE	
STATION	SKILL AVION	NOTE			ALL	ALL	
		ACCESS			ZONE <b>210</b>		
		1					

Perform a functional check of the ATC TRANSPONDER SYSTEM - Test Procedure for airplanes WITHOUT Elementary Surveillance (ELS), Enhanced Surveillance (EHS), Extended Squitter (ES) features using the T-48 or T-49 Test Set. (See reference FAR 91.413)

INTERVAL NOTE: or national requirement.

#### A. References

Reference	Title
AMM 24-22-00-860-812	Remove Electrical Power (P/B 201)
AMM 32-09-00-860-801	Put the Airplane in the Air Mode (P/B 201)
AMM 32-09-00-860-802	Return the Airplane to the Ground Mode (P/B 201)
AMM 34-53-00-710-801	Air Traffic Control System - Operational Test (P/B 501)
WDM 34-53-11	Wiring Diagram Manual
WDM 34-53-21	Wiring Diagram Manual

#### B. 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-10730	Test Set - Ramp, T-48/-49
	Opt Part #: T-48D Supplier: 92606 Opt Part #: T-49C Supplier: 92606
COM-1617	Meter - RF Power
	Part #: MODEL 43 Supplier: 70998 Part #: MODEL 43P Supplier: 70998
COM-1920	Element - RF Power, 500 Watt, 950-1260 Mhz Part #: 500J Supplier: 70998

EFFECTIVITY AKS ALL	SOURCE MRB	ATC SYSTEM FUNCTIONAL CHECK	
		D633A109-AKS 34-110-00-01	Page 1 of 6 Jun 15/2015



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

'	DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA 34-110-						
			730-802 TC System (With the <sup>-</sup>	TIC T-48 c	or T-49 Series	s Test Set)		MECH	IN				
A.	Gen	eral											
	(1)	Opera				The system test first does est set, COM-10730, to ex							
	(2)	The test set can do all of the tests automatically except the DIVERSITY CHECK, the MAX TRUE AIRSPEED TEST and the IDENT BUTTON CHECK. You must do these tests manually with the TEST button on the test set. If a test has failed, the automatic test sequence will stop and a failed message will show. At the end of the automatic test all data will show.											
	(3)		an manually do each te dually. The test results v			e TEST button to do each t is done.	test						
	(4)	TAP 1 powe	35 used with the applic	able test	set, is necess	5, TAP 118, TAP 119, TAI ary to do a check of the cithe diversity check, the T.	output						
В.	Pre	oare fo	r the System Test										
	SUBTA	NSK 34-53-	00-710-003										
	(1)	Do th	is task: Air Traffic Contr	ol System	- Operationa	I Test, AMM TASK 34-53-	00-710-801.						
		NSK 34-53-											
	(2)		ire the T-48/-49 ramp te m test:	est set, CC	)M-10730 and	d the antenna coupler for	the ATC						
		NOTE	E: Refer to the applicable when using the anter		•	manual for detailed setup	information						
		NOTE	125 or TAP 135 used	d with the acceiver, ser	applicable tes sitivity and ra	r, TAP-115, TAP 118, TAP st set, is necessary to do a didio frequency. For the div	a check of						
		(a)	Pull the pull-ring on the	antenna d	coupler to sep	parate the spring loaded o	lamp.						
		(b)	Insert the antenna coup	oler over th	ne necessary	ATC antenna.							
			NOTE: Make sure the	antenna c	oupler is cent	ered.							
		(c)	Push and hold antenna	coupler s	o the EMI gas	sket compresses to the ai	rplane skin.						
		(d)	Release the pull-ring to	keep the	coupler in its	correct position.							
		(e)	Connect the antenna co	oupler coa	x connector t	o the test set ANTENNA	connector.						
	NOTE: If you use the T-48/-49 ramp test set, COM-10730 accessory, the TAP 125 or TAP 135, the unused coupler cable does not need to be connected to the test set. You test only one antenna at a time.												
		(f)	Push the INTERROGAT	TE button.									
			NOTE: To read the dis	play push	and hold the	INTERROGATE switch.							
			1) The test set will m	omentaril	y display:								
			TIVITY	SOURCE		FUNCTIONAL CHECK			_				

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DATE		Т	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CAR <b>34-110-0</b> 0		
				Table	1		N	MECH	INSF
				TEL Instru	ıment				
				T-4X Re	v.XX				
		2) Afte	er the test set	has detern	nined the type	of transponder under tes	t (Mode S,		
		Mod	de A, Mode C	, etc) the d	isplay will char	nge to: No Reply from XF	PNDR.		
		3-00-860-026			DITE: ()				
(3)	(PSE	EU), do thi				Proximity Switch Electror e, AMM TASK 32-09-00-8	I		
		3-00-860-015	uit brooker en	d inatall ac	foty tog:				
(4)			uit breaker an		iety tag.				
	F/O Rov		System Par Number	Name					
	D	18	C00451		GEAR AURAL	. WARN			
SUBT	ASK 34-53	3-00-860-016							
(5)	Set t	he captair	n's and first o	fficer's altin	neter to 29.92 i	nches of mercury.			
C. ATO	C Syst	em Test							
SUBT	ASK 34-53	3-00-860-017							
(1)	On t	he ATC co	ontrol panel d	o these ste	os:				
	(a)	Set the c	ode switches	to a desire	d ATC ID code	<b>).</b>			
			Jse the ATC I authority.	D code 777	6 or the Mode	A code specified by the	local ATC		
			Do not use co emergency co		7600-7677, 77	00-7775 and 7777. Thes	e are		
	(b)	Set the tr	ransponder s	elect switch	to the No. 1 s	ystem.			
	(c)	Set the n	node select s	witch to the	ALT ON positi	ion.			
		3-00-730-001							
(2)	Push		ERROGATE s						
	(a)				correct transp	• •			
						r", do a check on the test system is operational.	antenna		
		3-00-730-002							
(3)			RROGATE s						
	(a)		set will deterr	mine the tra	nsponder type	).			
suвт. (4)	Push	3-00-860-018 n the INTE ransponde		utton agair	and the test s	et will initiate a sequence	e of tests on		
	(a)	•		lone to com	plete the ATC	system test:			
	()		CRBS/A & SL			-,			
		,	CRBS/C						
	EFFE	CTIVITY		SOURCE	ATC SYSTEM	FUNCTIONAL CHECK			
		SALL		MRB	AIGGIGIEM	ONO HOMAL CHILOR			



DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA 34-110-0		
	3)	ATCRBS/A Mode	SAII	1			MECH	INSP
	4)	ATCRBS/C Mode						
	5)	ATCRBS/A only						
	6)	ATCRBS/C only						
	7)	Mode S Surv Ide	ntity					
	8)	Mode S Surv Altit	-					
	9)	Mode S Surv Sho	ort					
	10)	Undesired Replie	s					
	11)	Squitter						
	12)	Diversity						
			-	ailable for test se It be done manu	ets with the TAP 125 or ally.	TAP 135		
	13)	MAX TRUE AIRS	PEED					
		NOTE: This test	must be d	one manually.				
SUBTASK 34-53	-00-210	-001						
(5) Make	e sur	e the display is as	follows wh	en the test is co	mplete:			
			Table	2				
CCCC			XXXXXX	(	YYYYY'			
ZZZ W			mmm dbr	n	nnn MHZ			
(a)	CCC	CC is code selected	d.					
(b)	XXX	XXXX is airplane re	gistry num	ber				
	NOT				s in hexadecimal. The coper on (WDM 34-53-11			
(c)	YYY	YY is airplane altit	ude in feet	t (must be ±125'	of the Capt's and F/O's	s altimeter).		
(d)	ZZZ	is the transmitter p	ower outp	out (must be > 1	25 and < 500 Watts).			
(e)	mmı	m is the receiver se	ensitivity (r	must be betweer	n -77 to -71 dbm).			
(f)	nnn	is the frequency de	eviation (±	1 MHz maximur	n allowed).			
SUBTASK 34-53								
coup	lers:				ts with the TAP 125 or			
<u>NOT</u>	_ h		r TAP 135		r TAP 135 coupler. If yo test that uses the Bird I			
(a)	Pus	h the TEST button	on the tes	t set until you ge	et to the DIVERSITY CH	HECK.		
	1)	Make sure to pau set to do that test		en each push of	the TEST button to allo	w the test		
	CTIVITY		SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK			
				D633A109-AKS 34-110-00-01			age 4 b 15/2	



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

DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 34-110		
(b)	The test set will show	DIVERSIT	Y and then eithe	er PASS of FAIL.		MECH	INS
( )	of an interroga	ation from a	•	he test since this may bor other interference, or .			
SUBTASK 34-	53-00-730-004						
	the Diversity Check that pler:	follows for	the test set with	nout the TAP 125 or TAF	P 135		
(a)	Disconnect the antenn connect the RF throug		•	switch connector, D270 1920, in its place.	03, and		
(b)		nrough-line		he minimum power outp M-1617, during the mod			
	Make sure the m maximum power		wer output is 10	0 times or 20 db lower t	than the		
(c)	Disconnect the RF thro	ough-line w	att element, CC	DM-1920.			
(d)	Connect the antenna of	cable at the	top antenna sv	vitch connector, D2703.			
SUBTASK 34-	53-00-760-001						
(8) Do	these steps that follow fo	or the MAX	TRUE AIRSPE	ED TEST:			
(a)	Push the TEST button TEST.	on the test	t set until you ge	et to the MAX TRUE AIF	RSPEED		
	Make sure to pauset to do that test		n each push of	the TEST button to allo	w the test		
(b)	The test set will show transponder.	the max tru	e airspeed that	has been pin programn	ned at each		
	1) The test set displ	lay must be	<b>)</b> :				
		Table	3				
	M	AX TRUE A	IRSPEED				
	(	GT 300 & LE	600 kts				
SUBTASK 34-							
	the steps that follow for t	the IDENT	BUTTON CHEC	CK:			
(a)	On the ATC control par						
( )	Set the code swit		•				
	,			Node A code specified b	v the local		
	ATC auth				,		
		se codes 7 icy codes.	500, 7600-7677	7, 7700-7775 and 7777.	These are		
	2) Put the ATC sele	ct switch to	the No. 1 posit	ion			
	3) Put the mode sel	lect switch	to the ALT ON p	osition.			
(b)	Make sure the test set		•				
	ECTIVITY	SOURCE		UNCTIONAL CHECK			

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	DATE			TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 34-110			
		(c)	Turn the	e test set off.					MECH	INSP	
		( )			push the IN	ITERROGATE L	outton.				
		(4)			•		ransponder under test.				
		(e)	,			• •	button and the test set	TEST button			
		` ,		-		•		LOT battori.			
	(f) Make sure the message IDENT is displayed on the test set.										
	(10) Do the test again as necessary, for the right system.										
	(a) To test the right system, put the ATC select switch to the No. 2 position.										
D.	Dut						in to the rior 2 position.				
D.	. Put the airplane back to its Usual Condition.										
	(1)			select switch	to the STR	RY position					
	` /		-00-840-006	COIOOL OWILOI	1 10 1110 0 1 2	or poolitori.					
	(2)			nd remove th	e antenna c	coupler.					
	` ,		-00-840-002								
	(3)			nd remove th	e ATC test s	set.					
	` ,	NSK 34-53-	-00-840-005								
	(4)	Do th	is task:	Return the Ai	rplane to the	e Ground Mode,	AMM TASK 32-09-00-8	360-802.			
	(4) Do this task: Return the Airplane to the Ground Mode, AMM TASK 32-09-00-860-802. SUBTASK 34-53-00-860-020										
	(5) Remove the safety tag and close this circuit breaker:										
	F/O Electrical System Panel, P6-3										
	Row Col Number Name  D 18 C00451 LANDING GEAR AURAL WARN										
		D	18	C00451	LANDING	GEAR AURAL	WARN				
	SUBTASK 34-53-00-840-003										
	(6) If the electrical power is no longer necessary, do this task: Remove Electrical Power, AMM TASK 24-22-00-860-812										
	END OF TASK										
	END OF TASK										
					1						
			ALL		SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK				
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				POEING PROP		34-110-00-01		J	un 15/	2015	





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

AIRLINE	CARD NO	ATC SYS	TITLE STEM FUNCTIONA	BOEING CARD NO. <b>34-110-00-02</b>			
DATE	TASK FUNCTIONAL				RELATE	D CARD	
TAIL NUMBER	WORK AREA FUSELAGE	VERSION 1.1	THRESHOLD  24 MO	REPEAT <b>24 MO</b>	APPLICABILITY AIRPLANE ENGINE		
STATION	SKILL AVION	NOTE			ALL	ALL	
		ACCESS			ZONE <b>210</b>		

Perform a functional check of the ATC TRANSPONDER SYSTEM - Test Procedure for airplanes with or without Elementary Surveillance (ELS), Enhanced Surveillance (EHS), Extended Squitter (ES) features using either the IFR ATC-601, IFR 6000 or TR220 Test Set. (See reference FAR 91.413)

**INTERVAL NOTE:** or national requirement.

#### A. References

		D633A109-AKS 34-110-00-02	Page 1 of 3 Jun 15/201					
EFFECTIVITY AKS ALL	SOURCE MRB	ATC SYSTEM FUNCTIONAL CHECK						
VVDIVI 34-33-21	vviring D	iagram Manual						
WDM 34-53-11, 34-53-21 WDM 34-53-21	•	Diagram Manual						
WDM 34-53-11	•	Diagram Manual						
VAIDAA 24 E2 44		MENT/TEST						
AMM 34-61-00 P/B 501		MANAGEMENT COMPUTER SYSTEM -						
AMM 34-61-00		MANAGEMENT COMPUTER SYSTEM						
AMM 34-58-00-710-802		Global Positioning System - Operational Test (P/B 501)						
AMM 34-58-00	GLOBAL POSITIONING SYSTEM							
AMM 34-53-00-710-801	Air Traffic Control System - Operational Test (P/B 501)							
AMM 34-53-00 P/B 501	AIR TRA	AFFIC CONTROL (ATC) SYSTEM - ADJUST	MENT/TEST					
AMM 34-31-00 P/B 501	INSTRU	MENT LANDING SYSTEM - ADJUSTMENT	/TEST					
AMM 34-31-00	INSTRU	MENT LANDING SYSTEM						
AMM 34-21-00-820-802	Air Data (P/B 201	Inertial Reference System - Alignment from I)	the ISDU					
AMM 34-21-00-820-801	Air Data (P/B 201	Inertial Reference System - Alignment from I)	the FMC CDU					
AMM 34-21-00 P/B 501		A INERTIAL REFERENCE SYSTEM - ADJU						
AMM 34-21-00		AIR DATA INERTIAL REFERENCE SYSTEM						
AMM 34	NAVIGA	TION						
AMM 32-09-00-860-802	Return th	he Airplane to the Ground Mode (P/B 201)						
AMM 32-09-00-860-801	Put the A	Airplane in the Air Mode (P/B 201)						
AMM 24-22-00-860-812	Remove	Electrical Power (P/B 201)						
AMM 24-22-00-860-811	Supply E	Electrical Power (P/B 201)						
AMM 22-11-00 P/B 501	DIGITAL	. FLIGHT CONTROL SYSTEM - ADJUSTME	ENT/TEST					
AMM 22-11-00	DIGITAL	. FLIGHT CONTROL SYSTEM						
AMM 22	AUTOFL	_IGHT						



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

DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. 34-110-00-02
(0 (' 1)				

(Continued)

Reference Title

WDM 34-53-31 Wiring Diagram Manual

#### B. 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-10727	Test Set - Ramp, IFR-6000	
	Part #: IFR 6000 Supplier: 51190	
COM-10728	Test Set - Ramp, TR-220	
	Part #: TR-220 Supplier: 92606	
COM-4113	Test Set - Ramp, ATC-601 Series	
	Opt Part #: ATC-601 Supplier: 51190 Opt Part #: ATC-601-2 Supplier: 51190	

EFFECTIVITY AKS ALL	SOURCE MRB	ATC SYSTEM FUNCTIONAL CHECK	
		D633A109-AKS 34-110-00-02	Page 2 of 33 Feb 15/2015



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

	[	DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 34-110					
	TAS	K 34	-53-00-7	30-803					MECH	INSF			
1	. ATC	Syst	tem Tes	t (With the ATC-601	Test Set)								
	A.	Gen	eral										
		(1)	the AT		•		system. The system teaquipment to examine the						
		(2)		C system can be tesse two methods: Flat			es ramp test set, COM-4	1113 by one					
		(3)	test se		ion 3.0 or h	nigher can also t	Mode S transponders. A est Mode S Transponde apabilities.						
Δ	KS 001	-023											
		(4)	DO-26	he ATC-601 can test the ADS-B functions to the EASA AMC 20-24 requirements for O-260 compliant transponders. But it can not do tests of DO-260A compliant ansponders to the EASA AMC 20-24 requirements.									
Δ	KS ALI	_											
		(5)	The ATC-601 Series ramp test set, COM-4113 uses thirty-nine (39) different tests to check the functionality of the ATC transponder. All thirty-nine (39) tests can be run automatically in the AUTO mode, or individually in the single test mode.										
		NOTE: The AUTO Test is the preferred test.											
	(6) In the AUTO mode, the test set will determine the correct set of tests, either Mode A/C or Mode S upon receiving the transponder RF signal, and will automatically run the tests.												
	NOTE: A passed AUTO test on the ATC-601-series test set meets the requirements in FAR Part 43, Appendix F for all classes of ATCRBS transponders and for classe 1B, 2B, and 3B Mode S transponders. The ATC-601-series test set only verifies reply frequency range of 1090 +/- 3 MHz.						I for classes						
		(7)	and ma				JTO TEST are stored in PASSED/FAILED indic						
		(8)		et section fails or more er do each test individ			e Single Test Sequence test results.	. This lets					
		(9)					e desired test and push s STOP key is pushed aga						
		(10)	Result	s from the last test do	one, Auto T	est or Single Te	st, show on the display.						
	В.	Pre	oare for	the System Test									
		AKS	001-02	3									
			ASK 34-53-00										
	(1) If the ADS-B tests will be run as part of the ATC System test the airplane location must let the GPS antennas have a clear view of the GPS satellites.												
			EFFECT AKS		source MRB	ATC SYSTEM F	UNCTIONAL CHECK						
						D633A109-AKS		Р	age 3	of 33			

34-110-00-02

Jun 15/2016



	TAIL NUM	IBER		STATION	AIRLINE CARD NO.	34-110	CARD NO. -00-02	
L -53-00-710-008 this task:	Air Tra	ffic Contro	ol System	ı - Operational T	Fest, AMM TASK 34-5	3-00-710-801.	MECH	INS
r the Direc			od, do the	se steps to con	nect the test set anter	nna cable to		
Open th	nese cii	rcuit break	kers and	install safety tag	js:			
CAPT F	Electric	cal Syste	m Panel,	P18-1				
Row	<u>Col</u>	Number	<u>Nam</u>	<u>e</u>				
В	5	C00186	ATC	1				
F/O Ele	ectrical	System	Panel, P	6-1				
Row		_						
D	14	C00188	ATC	2				
Е	14	C01194	ATC	ANT SWITCH				
Open th	nis acce	ess panel:						
<u>Numbe</u>								
117A	E	Electronic	Equipme	nt Access Door				
				942, disconnec	t connector D2703 (A	ГС Тор		
		. ,		943, disconnec	t connector D2707 (A	TC Bottom		
	·							
Remov	emove the safety tags and close these circuit breakers:							
CAPT F	CAPT Electrical System Panel, P18-1							
Row	Col	Number	<u>Nam</u>	<u>e</u>				
В	5	C00186	ATC	1				
F/O Ele	ectrical	System	Panel, P	6-1				
Row	Col	Number	<u>Nam</u>	<u>e</u>				
D	14							
Е	14	C01194	ATC	ANT SWITCH				
	. ( ()			(2 1				
ke sure th		-	•		ID ID 07 00 44 00			
					JBJECT 22-11-00			
	AIR DATA INERTIAL REFERENCE SYSTEM, AMM SUBJECT 34-21-00							
		INSTRUMENT LANDING SYSTEM, AMM SUBJECT 34-31-00						
INSTRU	JMENT							
INSTRU GLOBA	JMENT AL POS	ITIONING	SYSTE	M, AMM SUBJE	ECT 34-58-00			
INSTRU GLOBA	JMENT AL POS	ITIONING	SYSTE	M, AMM SUBJE		61-00		
INSTRU GLOBA	JMENT AL POS	ITIONING	SYSTE	M, AMM SUBJE JTER SYSTEM	ECT 34-58-00	61-00		
	The Direct ATC anter Open the CAPT E Row DE Open the Number 117A For ATC Antenna Connect antenna Remove CAPT E Row B	r the Direct Connect ATC antenna swar Colaboration   CAPT Electrical Row Colaboration   Properties   CAPT Electrical Row Colaboration   CAPT Electrical Row	r the Direct Connect method ATC antenna switch: Open these circuit break  CAPT Electrical System  Row Col Number  B 5 C00186  F/O Electrical System  Row Col Number  D 14 C00188  E 14 C01194  Open this access panel: Number Name/Loc 117A Electronic  For ATC antenna (coax) Antenna) (WDM 34-53-3  For ATC antenna (coax) Antenna) (WDM 34-53-3  Connect the ATC-601 S antenna (coax) switch S Remove the safety tags  CAPT Electrical System  Row Col Number  B 5 C00186  F/O Electrical System  Row Col Number  B 5 C00188  F/O Electrical System  Row Col Number  D 14 C00188  E 14 C01194	r the Direct Connect method, do the ATC antenna switch:  Open these circuit breakers and it captally be a connect method, do the ATC antenna switch:  Open these circuit breakers and it captally be a connect method, do the act of the ATC antenna switch:  Open these circuit breakers and it captally be a connect method, do the act of the ATC antenna switch.  F/O Electrical System Panel, Post of the ATC antenna (coax) switch antenna (word) switch antenna (word) switch antenna (word) switch antenna (word) switch antenna (coax) antenna (coax) switch antenna (coax) antenna (coax) switch antenna (coax) antenna (	r the Direct Connect method, do these steps to cone ATC antenna switch:  Open these circuit breakers and install safety tage  CAPT Electrical System Panel, P18-1  Row Col Number Name  B 5 C00186 ATC 1  F/O Electrical System Panel, P6-1  Row Col Number Name  D 14 C00188 ATC 2  E 14 C01194 ATC ANT SWITCH  Open this access panel:  Number Name/Location  117A Electronic Equipment Access Door  For ATC antenna (coax) switch S942, disconnect Antenna) (WDM 34-53-31).  For ATC antenna (coax) switch S943, disconnect Antenna) (WDM 34-53-31).  Connect the ATC-601 Series ramp test set, COM antenna (coax) switch S942 or ATC antenna (coax) switch S942 or ATC antenna (coax) Remove the safety tags and close these circuit by CAPT Electrical System Panel, P18-1  Row Col Number Name  B 5 C00186 ATC 1  F/O Electrical System Panel, P6-1  Row Col Number Name  D 14 C00188 ATC 2  E 14 C01194 ATC ANT SWITCH	r the Direct Connect method, do these steps to connect the test set anter a ATC antenna switch:  Open these circuit breakers and install safety tags:  CAPT Electrical System Panel, P18-1  Row Col Number Name  B 5 C00186 ATC 1  F/O Electrical System Panel, P6-1  Row Col Number Name  D 14 C00188 ATC 2  E 14 C01194 ATC ANT SWITCH  Open this access panel:  Number Name/Location  117A Electronic Equipment Access Door  For ATC antenna (coax) switch S942, disconnect connector D2703 (A'Antenna) (WDM 34-53-31).  For ATC antenna (coax) switch S943, disconnect connector D2707 (A'Antenna) (WDM 34-53-31).  Connect the ATC-601 Series ramp test set, COM-4113 antenna cable antenna (coax) switch S942 or ATC antenna (coax) switch S943.  Remove the safety tags and close these circuit breakers:  CAPT Electrical System Panel, P18-1  Row Col Number Name  B 5 C00186 ATC 1  F/O Electrical System Panel, P6-1  Row Col Number Name  D 14 C00188 ATC 2  E 14 C01194 ATC ANT SWITCH	r the Direct Connect method, do these steps to connect the test set antenna cable to a ATC antenna switch:  Open these circuit breakers and install safety tags:  CAPT Electrical System Panel, P18-1  Row Col Number Name  B 5 C00186 ATC 1  F/O Electrical System Panel, P6-1  Row Col Number Name  D 14 C00188 ATC 2  E 14 C01194 ATC ANT SWITCH  Open this access panel:  Number Name/Location  117A Electronic Equipment Access Door  For ATC antenna (coax) switch S942, disconnect connector D2703 (ATC Top Antenna) (WDM 34-53-31).  For ATC antenna (coax) switch S943, disconnect connector D2707 (ATC Bottom Antenna) (WDM 34-53-31).  Connect the ATC-601 Series ramp test set, COM-4113 antenna cable to ATC antenna (coax) switch S942 or ATC antenna (coax) switch S943.  Remove the safety tags and close these circuit breakers:  CAPT Electrical System Panel, P18-1  Row Col Number Name  B 5 C00186 ATC 1  F/O Electrical System Panel, P6-1  Row Col Number Name  B 5 C00188 ATC 2  E 14 C01194 ATC ANT SWITCH	r the Direct Connect method, do these steps to connect the test set antenna cable to e ATC antenna switch:  Open these circuit breakers and install safety tags:  CAPT Electrical System Panel, P18-1  Row Col Number Name  B 5 C00186 ATC 1  F/O Electrical System Panel, P6-1  Row Col Number Name  D 14 C00188 ATC 2  E 14 C01194 ATC ANT SWITCH  Open this access panel:  Number Name/Location  117A Electronic Equipment Access Door  For ATC antenna (coax) switch S942, disconnect connector D2703 (ATC Top Antenna) (WDM 34-53-31).  For ATC antenna (coax) switch S943, disconnect connector D2707 (ATC Bottom Antenna) (WDM 34-53-31).  Connect the ATC-601 Series ramp test set, COM-4113 antenna cable to ATC antenna (coax) switch S942 or ATC antenna (coax) switch S943.  Remove the safety tags and close these circuit breakers:  CAPT Electrical System Panel, P18-1  Row Col Number Name  B 5 C00186 ATC 1  F/O Electrical System Panel, P6-1  Row Col Number Name  D 14 C00188 ATC 2  E 14 C01194 ATC ANT SWITCH



(5) Do this task: Air Data Inertial Reference System - Alignment from the ISDU, AMM TASK 34-21-00-820-802 or Air Data Inertial Reference System - Alignment from the FMC CDU, AMM TASK 34-21-00-820-801.  **Subtrask 14-59-6-96-927**  (6) Set the captain's and first officer's altimeter to 29.92 inches of mercury.  **AKS 001-023**  **Subtrask 14-59-6-96-928**  (7) Set a selected altitude.  (a) Set a desired altitude in the DFCS MCP Selected Altitude window.  **Subtrask 14-59-6-96-93**  (8) Select a Flight ID.  (a) Select the RTE mode key on the FMCS CDU.  (b) Make sure page 1 is shown.  **NOTE:** If needed, push the next page function key on the CDU until page 1 is shown.  (c) Enter the first 8 characters of the company name in the FLT NO field. This should be the name of the company that conducts the test.  (d) Select LSK 2R on the CDU.  **AKS ALL**  **Subtrask 14-59-6-96-928**  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  **NOTE:** Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  **Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the No. 1 position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.  **ATC SYSTEM FUNCTIONAL CHECK**  **BASSALL**  *	DATE	DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.		CARD NO.	
(6) Set the captain's and first officer's altimeter to 29.92 inches of mercury.  AKS 001-023  SUBTAIN 14-52-08-369-505  (7) Set a selected altitude.  (a) Set a desired altitude in the DFCS MCP Selected Altitude window.  SUBTAIN 34-55-08-369-504  (8) Select a Flight ID.  (a) Select the RTE mode key on the FMCS CDU.  (b) Make sure page 1 is shown.  NOTE: If needed, push the next page function key on the CDU until page 1 is shown.  (c) Enter the first 8 characters of the company name in the FLT NO field. This should be the name of the company that conducts the test.  (d) Select LSK 2R on the CDU.  AKS ALL  SUBTAIN 34-50-360-028  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the Mode Select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.		Do th	nis task: < 34-21-	00-820-802 or	Air Data Ir				MECH	INSF
(6) Set the captain's and first officer's altimeter to 29.92 inches of mercury.  AKS 001-023  BUBTARS 14-53-00-90-053  (7) Set a selected altitude.  (a) Set a desired altitude in the DFCS MCP Selected Altitude window.  BUBTARS 14-53-00-90-054  (8) Select a Flight ID.  (a) Select the RTE mode key on the FMCS CDU.  (b) Make sure page 1 is shown.  NOTE: If needed, push the next page function key on the CDU until page 1 is shown.  (c) Enter the first 8 characters of the company name in the FLT NO field. This should be the name of the company that conducts the test.  (d) Select LSK 2R on the CDU.  AKS ALL  BUBTARS 14-53-90-990-928  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the No. 1 position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.				ASIN 34-21-00-	-020-001.					
(7) Set a selected altitude. (a) Set a selected altitude in the DFCS MCP Selected Altitude window.  SUBTIASK 34-35-08-58-054  (8) Select a Flight ID. (a) Select the RTE mode key on the FMCS CDU. (b) Make sure page 1 is shown.  NOTE: If needed, push the next page function key on the CDU until page 1 is shown.  (c) Enter the first 8 characters of the company name in the FLT NO field. This should be the name of the company that conducts the test. (d) Select LSK 2R on the CDU.  AKS ALL  SUBTIASK 34-340-386-928  (9) Do these steps at the ATC control panel: (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes. (b) Set the transponder select switch to the No. 1 position. (c) Set the Mode Select switch to the STBY position. (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.				in's and first of	ficer's altir	neter to 29.92 in	ches of mercury.			
(7) Set a selected altitude.  (a) Set a desired altitude in the DFCS MCP Selected Altitude window.  SUBTINAS NAS-30-08-09-054  (8) Select a Flight ID.  (a) Select the RTE mode key on the FMCS CDU.  (b) Make sure page 1 is shown.  NOTE: If needed, push the next page function key on the CDU until page 1 is shown.  (c) Enter the first 8 characters of the company name in the FLT NO field. This should be the name of the company that conducts the test.  (d) Select LSK 2R on the CDU.  AKS ALL  SUBTANS NASS-08-08-0228  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.	AKS 001-023									
(a) Set a desired altitude in the DFCS MCP Selected Altitude window.  SUBTASK 34-53-08-08-054  (8) Select a Flight ID.  (a) Select the RTE mode key on the FMCS CDU.  (b) Make sure page 1 is shown.  NOTE: If needed, push the next page function key on the CDU until page 1 is shown.  (c) Enter the first 8 characters of the company name in the FLT NO field. This should be the name of the company that conducts the test.  (d) Select LSK 2R on the CDU.  AKS ALL  SUBTASK 34-53-08-08-02-28  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.	SUBTA	SK 34-53-	-00-860-053							
SUBTIASK 34-93-96-96-964  (8) Select a Flight ID.  (a) Select the RTE mode key on the FMCS CDU.  (b) Make sure page 1 is shown.  NOTE: If needed, push the next page function key on the CDU until page 1 is shown.  (c) Enter the first 8 characters of the company name in the FLT NO field. This should be the name of the company that conducts the test.  (d) Select LSK 2R on the CDU.  AKS ALL  SUBTASK 34-93-96-96-928  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.	(7)	Set a	selecte	d altitude.						
(8) Select a Flight ID.  (a) Select the RTE mode key on the FMCS CDU.  (b) Make sure page 1 is shown.  NOTE: If needed, push the next page function key on the CDU until page 1 is shown.  (c) Enter the first 8 characters of the company name in the FLT NO field. This should be the name of the company that conducts the test.  (d) Select LSK 2R on the CDU.  AKS ALL  SUBTASS 43-53-98-98-928  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.		(a)	Set a de	esired altitude i	n the DFC	S MCP Selected	d Altitude window.			
(a) Select the RTE mode key on the FMCS CDU.  (b) Make sure page 1 is shown.  NOTE: If needed, push the next page function key on the CDU until page 1 is shown.  (c) Enter the first 8 characters of the company name in the FLT NO field. This should be the name of the company that conducts the test.  (d) Select LSK 2R on the CDU.  AKS ALL  SUBTACK 34-53-00-560-422  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.				nt ID						
(b) Make sure page 1 is shown.  NOTE: If needed, push the next page function key on the CDU until page 1 is shown.  (c) Enter the first 8 characters of the company name in the FLT NO field. This should be the name of the company that conducts the test.  (d) Select LSK 2R on the CDU.  AKS ALL  SUBTASK 34-53-90-969-828  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.	(0)		_		kev on the	FMCS CDU				
NOTE: If needed, push the next page function key on the CDU until page 1 is shown.  (c) Enter the first 8 characters of the company name in the FLT NO field. This should be the name of the company that conducts the test.  (d) Select LSK 2R on the CDU.  AKS ALL  SUBTASK 34-53-00-80-028  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.					-					
be the name of the company that conducts the test.  (d) Select LSK 2R on the CDU.  AKS ALL  SUBTASK 34-53-08-80-288  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.		(2)		If needed, pus		page function k	ey on the CDU until pa	age 1 is		
AKS ALL  SUBTASK 34-53-00-860-028  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.								his should		
Subtrast 34-53-00-860-028  (9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.		(d)	Select L	SK 2R on the	CDU.					
(9) Do these steps at the ATC control panel:  (a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.	AKS	ALL								
(a) Set the code switches to a desired ATC ID code.  NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.	SUBTA	SK 34-53	-00-860-028							
NOTE: Use the ATC ID code 7776 or the Mode A code specified by the local ATC authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.	(9)	Do th	nese step	os at the ATC o	ontrol pan	el:				
authority.  Do not use codes 7500, 7600-7677, 7700-7775 and 7777. These are emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.	(a) Set the code switches to a desired ATC ID code.									
emergency codes.  (b) Set the transponder select switch to the No. 1 position.  (c) Set the Mode Select switch to the STBY position.  (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.  EFFECTIVITY AKS ALL  SOURCE MRB  ATC SYSTEM FUNCTIONAL CHECK  D633A109-AKS  Page 5 of										
(c) Set the Mode Select switch to the STBY position. (d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.  EFFECTIVITY AKS ALL  SOURCE MRB  ATC SYSTEM FUNCTIONAL CHECK  D633A109-AKS  Page 5 of						7600-7677, 770	0-7775 and 7777. The	se are		
(d) Set the ALT source switch to the No. 1 (or No. 2) air data source position.  EFFECTIVITY AKS ALL  SOURCE MRB  ATC SYSTEM FUNCTIONAL CHECK  D633A109-AKS  Page 5 of		(b)	Set the	transponder se	elect switch	n to the No. 1 po	sition.			
EFFECTIVITY AKS ALL SOURCE MRB ATC SYSTEM FUNCTIONAL CHECK D633A109-AKS Page 5 of		(c)	Set the	Mode Select s	witch to the	e STBY position				
AKS ALL MRB D633A109-AKS Page 5 of		(d)	Set the	ALT source sw	itch to the	No. 1 (or No. 2)	air data source position	on.		
AKS ALL MRB D633A109-AKS Page 5 of										
AKS ALL MRB D633A109-AKS Page 5 of										
AKS ALL MRB D633A109-AKS Page 5 of										
AKS ALL MRB D633A109-AKS Page 5 of										
						ATC SYSTEM F	UNCTIONAL CHECK			



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	34-110-				
SUBTA	ASK 34-5	53-00-840-007					MECH	INS		
(10)					pare the ATC-601 Serie	es ramp test				
		COM-4113 to test th	•							
	NO				des charts, distance lin atisfactory ramp test se					
		is recommended	d that the ram	p test set operat	or have the most curre	nt operating				
			•		ar with its operation wh	nen				
	determining the acceptability of transponder results.  NOTE: Refer to the ATC-601 Operating Manual for detailed information on setup, test									
	screens, and interpreting results of the tests.									
	NO	NOTE: It is recommended that the ramp test set operator have the most current								
		operating instructions for the ramp test set and be familiar with its operation when determining the acceptability of transponder results.								
	(a)	-		•	01 Series ramp test se	t. COM-4113				
	(ω)	RF I/O connector.	or arredinia dak		or concoramp tool oo	., com 1110				
	(b)	Make sure the ante	enna connecto	or cover is install	led.					
					m load required when o	connecting				
	(0)			le to the RF I/O		112				
	(c)				ramp test set, COM-4 and L-band radar equi					
					ear the test set. Turn the	•				
				mpleted or whe	n you must perform oth	er radio				
			the airplane.	0.147						
					the screen is 3.0 or hig	her if you are				
			ed Surveilland		and dologin to d.d of mg	nor ii you aro				
	(d)	Push the SELF TE	ST key on the	test set.						
	(e)	Push the RUN/STO	OP key to start	t the self-test.						
		,		lay shows PASS						
	(f)		•		TUP #1 MENU. If the S UP key until the SETU					
		shows.	iow, continue	to push the SET	or key until the SETO	F #1 WILING				
		NOTE: The ATC-6	01 has four S	etup Menus. Re	fer to the ATC-601 Ope	eration				
				mation on the S	etup Menus.					
		,	•	ge the values.						
		•	-	hange the items						
	(a)	•	-	elect the antenn						
	(g)									
	(h) (i)									
	(1)			owi antenna, e	1101 0 1001.					
		ECTIVITY S ALL	SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK					
	7111	<b></b>	MIND							
				D633A109-AKS	;		age 6			

34-110-00-02

Jun 15/2016



	DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CARD NO. 34-110-00-02					
	(j) \$	Set the SELECTED fie	ld, enter th	ne UUT antenna	, TOP or BOTTOM.	1	MECH	INSP			
	-	NOTE: To meet FAR ron both upper	•		and right systems must	be tested					
	(k) E	Enter the cable loss lis	ted on the	cable in the LO	SS field.						
	1	NOTE: The cable loss	can be fo	und on the dired	ct connect cable for the	test set.					
	(I) F	Press any key to exit S	ETUP #1	MENU							
ı	AKS 001-02	23									
	, ,	·	•		s into the Setup #3 MEN						
	_		•		for detailed Setup infor	mation.					
		1) Push the SETUP	•		IENU shows.						
		2) Select POS: Set									
		3) Select LLAT: Set		•		OC position if					
		GPS anto	ennas hav	e a clear view o - Operational T	POS REF page. Use GF f the GPS satellites (Glo est, AMM TASK 34-58-0	obal					
	4) Select LLONG: Set the local longitude position.										
	NOTE: Position data is on the FMC CDU POS REF page. Use GPS position if GPS antennas have a clear view of the GPS satellites (Global Positioning System - Operational Test, AMM TASK 34-58-00-710-802), if not, use the IRS position.										
		5) Select SPEC SEI	·								
ı	AKS ALL										
	SUBTASK 34-53-0										
	` ,	e Flat Antenna method OM-4113 to test the A			re the ATC-601 Series r	amp test					
	NOTE	required airplane ar	itenna con at the ramp amp test s	figurations for so test set operate set and be famili	des charts, distance lim atisfactory ramp test se or have the most currer ar with its operation wh esults.	t results. It nt operating					
	NOTE	Refer to the ATC-60 screens, and interpr	•	-	etailed information on se	etup, test					
	NOTE		ns for the r	amp test set an	ator have the most curr d be familiar with its ope esults.						
	EFFEC'		SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK						
		D633A109-AKS Page 34-110-00-02 Jun									



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

DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA 34-110-		
C	THE REMOTE	M THE AIF TEST SET	RCRAFT ANTEI ANTENNA IS	NA MORE THAN 15 INC NNA WITH THE TEST S TOO NEAR THE AIRCR TO THE TEST SET.	SET ON. IF	MECH	INSP
(а	ATC antenna.		•	et from and in the line o			
	NOTE: The flat anten positioned tow			ght of the ATC antenna	and		
			the test set mune airplane ATC	st be at a distance of le antenna.	ss than 50		
(b	) Insert the Antenna Sh	ield over th	e ATC antenna	not under test.			
	NOTE: Refer to the A procedure.	TC-601 Op	eration Manual	for the Antenna Shield	mounting		
		actical, mo		nielding the top antenna so that it is not in the lin			
(c	<ul><li>Connect the test set a ANTENNA connector.</li></ul>	ntenna cab	le to the ATC-6	01 Series ramp test set	, COM-4113		
(d	) Push the POWER but	ton on the	ATC-601 Series	ramp test set, COM-41	13.		
	operating on t	he airplane e test is cor	and located ne	and L-band radar equipear the test set. Turn the nyou must perform other	test set off		
	1) The Start-Up scr	een will sh	OW.				
	Make sure the set to do Enhanced			he screen is 3.0 or high	er if you are		
(e	) Push the SELF TEST	key on the	test set.				
(f	Push the RUN/STOP	key to start	the self test.				
	1) Make sure the te	st set displ	ay shows PASS	SED.			
(g	Push the SETUP key MENU does not show shows.			TUP #1 MENU. If the S UP key until the SETUR			
			etup Menus. Re mation on the S	fer to the ATC-601 Ope etup Menus.	ration		
	1) Use the SLEW k	eys to char	nge the values.				
	2) Use the SELEC	Γ keys to ch	nange the items				
	3) Use the SLEW k	eys to sele	ct the necessar	y antenna.			
(h	In the RANGE field fo between the tester an			ntennas, enter the dista as.	nce		
(i	) In the HEIGHT field fo	r the TOP a	antenna, enter 1	17 feet.			
(j	) In the HEIGHT field fo	r the BOTT	OM antenna, e	nter 3 feet.			
	FFECTIVITY IKS ALL	SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK			
			D633A109-AKS		Pa	age 8 d	of 33

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

DATE		٦	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING ( 34-110		
(	(k) Ir	n the SE	LECTED field	d. enter the	UUT antenna.	TOP or BOTTOM.		MECH	INSF
`	` '	IOTE:	Γο meet FAR ι	requiremen	nts both the left	and right systems must	be tested		
	(I) F		on both upper			- ttt 00N 4440 -			
	. ,		gain listed of I_1030 and G			p test set, COM-4113, a	intenna into		
(r	,				cable in the LC	SS field.			
(	(n) F	ress an	y key to exit S	SETUP #1	MENU				
AKS 0	01-02	3							
(	(o) E	nter the	required setu	up data for	the ADS-B test	s into the Setup #3 ME	NU.		
	<u>N</u>	IOTE: F	Refer to the A	TC-601 Op	eration Manual	for detailed Setup infor	mation.		
		1) Pus	sh the SETUP	key until t	he SETUP #3 N	MENU shows.			
		2) Sel	ect POS: Set	to LOCAL.					
	,	3) Sel	ect LLAT: Set	the local la	atitude position.				
		NO	GPS ant Positioni	ennas hav ng System	e a clear view o - Operational T	POS REF page. Use GI of the GPS satellites (GI Fest, AMM TASK 34-58-	obal		
		4) 0.1		e the IRS p		W			
	4	•			Il longitude posi		<b></b>		
		<u>NO</u>	GPS ant Positioni	ennas hav	e a clear view o - Operational T	POS REF page. Use GI of the GPS satellites (GI Test, AMM TASK 34-58-	obal		
	ļ	5) Sel	ect SPEC SE	·					
AKS A	111	,							
SUBTASK		)-862-001							
(12)	Open 1	these ci	rcuit breakers	and install	safety tags:				
			System Pan <u>Number</u>						
	D	14		ATC 2					
	F/O FI	ectrical	System Pan	el P6-3					
	Row	Col	-	Name					
		18			GEAR AURAL	WARN			
SUBTASK	< 34-53-00	)-860-029							
WARN	NING.	ORFY	THE PROCE	DURE THA	AT PLITS THE A	AIRPLANE IN THE AIR	MODE IE		
WAIXI	<u></u> .	YOU D		CEDURE II	NCORRECTLY,	INJURIES TO PERSO			
						roximity Switch Electro , AMM TASK 32-09-00-			
	EFFECT AKS			source <b>MRB</b>	ATC SYSTEM F	UNCTIONAL CHECK			
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### 737-600/700/800/900 TASK CARDS

				IAS	K CARDS				
DATE			TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CARD 34-110-00		
SUBT	ASK 34-5	3-00-860-06	2	'			ME	СН	INS
(14)	Set	the Mod	de Select switch	to the ALT	ON position.				
C. ATC	Syst	tem Tes	st - Mode A/C a	nd Mode S	Transponders	s			
SUBT	ASK 34-5	3-00-730-03	1						
(1)			ect to do the tra	nsponder t	ests in either th	e Auto Test or Single Te	st		
		uence. ΓE∙ Th	e AUTO TEST s	eguence is	the preferred r	method			
SURT		3-00-730-03		oquorioo ic	the preferred t	notiou.			
(2)			eps to do the Au	ito Test sec	quence:				
	NOT	cap don	abilities of the tr	ransponder TO TEST a	and select the	3 will automatically dete tests to run. The results emory. The SELECT key	of tests		
	NO	<u>ΓE</u> : Ref	er to the ATC-60	01 Operation	on Manual for d	etailed information.			
	(a)	Push t	the AUTO TEST	key on the	ATC-601 Serie	es ramp test set, COM-4	113.		
	(b)	Use th	e RUN/STOP k	ey to start	the Auto Test.				
		NOTE	: During the Audisplay.	to Test, TE	ST RUNNING,	will show at the bottom	of the		
		,	The Auto Test winemory for revie		t is finished. Th	e results are stored in the	ne tester		
		,	Make sure that a display after the		EST - PASSED	indication shows at the	top of the		
		<u>1</u>	ATC-601 the AUT	ramp test O TEST se	set includes the quence. If the F	ced surveillance capabili e Tests for Enhanced Su Flight ID is not directly er y the FMC, a failure will	rveillance in ntered into		
		<u>I</u>			wer measurem Test screen.	ents and Diversity Isolat	ion are also		
		<u>I</u>	NOTE: No reply system.	to the UF1	16, UF20 or UF	21 test is not a failure of	the ATC		
		1	aircraft a Downlink Airborne	re not using Extended Data Link DELM fur	g Uplink Extend Length Messa Process (ADLF	ATC system. Currently, ded Length Message (U ge (DELM) and do not rop). An ADLP is necessary ts in a NOT AVAIL test rope.	ELM) or equire y for the		
		,	Do a check of the and 3B Mode S t		,	ATCRBS transponders	and 1B, 2B		
						ries ramp test set, COM- equency of the transpon			
		ECTIVITY S ALL		source <b>MRB</b>	ATC SYSTEM F	FUNCTIONAL CHECK			
					D633A109-AKS	8	Page		

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

DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.		EING CARD NO. I-110-00-02	
	Do a check of the transponders).	FREQUE	NCY TEST (for	1A, 2A and 3A and 4 M	lode S	MECH	INSP
	•			ries ramp test set, COM equency of the transpon			
	fun	ction can c	ause a false PA	01-series test set, the a ASS indication. The ATC requency range of 1090	-601-series		
	trar		which incorpora	asses 1B, 2B and 3B Mo ate the optional reply fre			
		•	,	nows the correct Mode S for the Mode S Address			
	6) If a test section fa to view or to do in			sary, do the Single Test	procedure		
SUBTASK 34-53	-00-730-030						
(3) If neo	cessary, do these steps	to do the	Single Test seq	uence:			
(a)	Use the SELECT key t COM-4113.	to select ea	ach test on the A	ATC-601 Series ramp te	est set,		
(b)	Use the RUN/STOP ke	ey to start o	or stop the indiv	idual tests.			
	NOTE: Each Single Te the test.	est continu	es until stopped	d. Use the RUN/STOP k	ey to stop		
(c)	Make sure that the dis	play shows	s PASSED for e	ach test.			
(d)	Review the test results	S.					
			eration Manual results of the te	for detailed information ests	on test		
AKS 001-023							
D. ATC Syste	em Test - Tests for En	hanced Si	urveillance				
SUBTASK 34-53	-00-730-033						
COM	1-4113 will include the E	Enhanced S	Surveillance tes	, the ATC-601 Series ra ts in the AUTO TEST se AUTO TEST is complet	equence.		
NOT	E: ATC-601 test sets w Enhanced Surveilla		re version 3.0 o	r higher must be used to	o do the		
` '	SINGLE TEST sequence the SELECT keys to se			the Enhanced Surveilla w the test results.	nce tests.		
Make	e sure that the display s	shows PAS	SED for each to	est.			
NOT	E: Results from the las	st test run,	Auto Test or Sin	ngle Test, are shown on	the display.		
NOT	E: Refer to the ATC-60	1 Operation	on Manual for de	etailed setup and test in	formation.		
(3) The	tests that follow are for	Elementar	y Surveillance:				
	CTIVITY S ALL	SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK			
			D633A109-AKS 34-110-00-02			ge 11 d un 15/	



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

Г	DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C/ 34-110-					
S 001-	023 (0	Continued	d)					MECH	INS			
		• Flight	ID BDS 2,0									
		•	Link Capability Repo	ort BDS 1,0	) Part 1							
		• Data L	Link Capability Repo	ort BDS 1,0	) Part 2							
		• Comm	non Usage GICB Ca	ap Report E	3DS 1,7							
		• ACAS	Resolution Advisor	y BDS 3,0								
	(4)	The test	ts that follow are for	Enhanced	Surveillance:							
		• Select	ted Vert Intent Repo	ort BDS 4,0	Part 1							
		• Select	ted Vert Intent Repo	ort BDS 4,0	Part 2							
		• Track	& Turn Report BDS	5,0								
		• Headi	ng & Speed Report	BDS 6,0								
E.	ATC	System	Test - Tests for AD	S-B								
		ASK 34-53-00-7										
	(1)	include t		he AUTO T	EST sequence	eries ramp test set, CON . Use the SELECT keys						
		NOTE:	NOTE: Refer to the ATC-601 Operation Manual for detailed setup and test information.									
	(2)		IGLE TEST sequend select the test to do			the ADS-B tests. Use th	e SELECT					
			Results from the last DISPLAY.	st test run,	Auto Test or Sir	ngle Test, are shown on	the					
	(3)	The test	ts that follow are for	ADS-B:								
		• Ext So	quitter Airborne Posi	ition BDS 0	),5							
		• Ext So	quitter Ident & Cate	gory BDS 0	),8							
	(4)	Do a ch	eck of the ADS-B te	st results.								
		NOTE:	The test results that	t follow sat	isfy the EASA A	MC 20-24 requirements	for ADS-B.					
		(a) Do	a check of the Airb	orne Positi	on							
		1)	Use the SELECT	keys to se	elect the Ext Sq	uitter Airborne Position	test.					
		2)	Make sure that the airplane.	ne LAT and	I LONG fields sl	how the present position	n of the					
		(b) Do	a check of the Pres	ssure Altitu	de.							
		1)	Use the SELECT	keys to se	elect the Ext Sq	uitter Airborne Position	test.					
		2)	Make sure that the Pressure Altitude		PR ALT field sho	ows the airplane Barome	etric					
		(c) Do	a check of the Sur	veillance S	tatus.							
		1)	Notify local ATC will be performed		at transponder t	testing of the Surveilland	ce Status					
		2)	Use the SELECT	keys to se	elect the Ext Sq	uitter Airborne Position	test.					
		EFFECTIVI AKS AL		SOURCE MRB	ATC SYSTEM F	FUNCTIONAL CHECK		<u>ı</u>				
					D633A109-AKS 34-110-00-02	}		ge 12 d un 15/2				



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

DATE		TA	AIL NUMBER		STATION	AIRLINE CARD NO.		CARD NO. 0-00-02	
AKS 001-023 (Con	tinued)							MECH	INS
	3)	On f	he ATC cont	rol nanel (	change the code	e switches to a different	ATC ID		
	3)	code		or parior, c	mange the cour	5 SWITCHES to a different	AIOID		
	4)	Mak	e sure that th	ne SURVL	STAT field char	nges to TEMP ALERT.			
		NOT	(ADLP) i	nstalled ar		e an Airborne Data Link ders do not have an em now NO INFO.			
	5)	Set	code switche	tches on the ATC control panel back to the original code.					
	6)	Pus	h the IDENT	switch on	the ATC Contro	l Panel.			
	7)	Mak	e sure that th	ne SURVL	STAT field show	ws SPI.			
		NOT	(ADLP) i	nstalled ar		e an Airborne Data Link ders do not have an em now NO INFO.			
(d)	) Do	a che	ck of the Pos	ition Quali	ty Indicator.				
	1)	Use	the SELECT	keys to s	elect the Ext Sq	uitter Airborne Position	test.		
	2)	Mak	e sure that th	ne TYPE fi	eld does not sh	ow 0 or 18.			
		NOT	the IRS	or MMR. A	•	does not receive positio licates the transponder R.			
(e)	) Do	a che	ck of the Airc	aft Identity	/.				
	1)	Use	the SELECT	keys to s	elect the Ext Sq	uitter Ident & Category	test.		
	2)	Mak	e sure that th	ne correct	data is shown ir	n the following fields:			
		a)				the Mode S Address. R for the Mode S Address			
		b)	The FLIGH	T ID field s	shows the same	Flight ID entered into the	ne FMC.		
AKS AL	L								
F. Repeat	ATC S	ysten	n Tests						
SUBTASK 3									
	-	•	stem Test for		antenna.				
(a)			irect Connec			0014 4440	L. L		
	1)		•		s ramp test set, ntenna switch.	COM-4113 antenna ca	ble to		
	2)		•		s ramp test set, e other antenna	COM-4113 SELECTED a.	) field in the		
(b)	) For	the Fl	at Antenna n	nethod.					
	1)				s ramp test set, e other antenna	COM-4113 SELECTED	) field in the		
	FFECTIVIT			SOURCE MRB	ATC SYSTEM F	FUNCTIONAL CHECK			
					D633A109-AKS	3		age 13	

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

С	DATE		TAIL NUM	BER		STATION	AIRLINE CARD NO.	BOEING C 34-110		
	(2) Do	the ATC S	Svetem	Teete an	in for the	e right or No. 2	svetem	1	месн	INSP
		TE: To me	eet FAI	R require	ments bo	_	ight systems must be te	sted on both		
	(-)			ower ante		alida ada ada a	.1			
	(a)					this circuit brea	aker:			
		F/O Ele		Numbe Numbe	Panel, P <u>r</u> Nam					
		D	14	C00188	_					
	(b)	Open th	is circu	uit breake	er and ins	tall safety tag:				
		CAPT E Row B	Electric Col 5	al Syste Numbe		<u>ne</u>				
	(c)						lect switch to the No. 2	nosition and		
	(6)		_		air data	•	nect switch to the No. 2	position and		
G.	Put the A	Airplane E	Back to	Its Usu	al Condi	tion				
	SUBTASK 34-		aalaat	or on the	ATC oon	tral panal to the	STBY position.			
	(1) Set		Select	or on the	ATC COII	troi pariei to trie	STET POSITION.			
			ntenna	a method	, remove	the antenna shi	ield cover, if installed.			
	SUBTASK 34-	53-00-080-007								
	. ,	the Direct			od, do the	ese steps to disc	connect the antenna cal	ole from the		
	(a)	Open th	ese cir	cuit brea	kers and	install safety tag	gs:			
		CAPT E	lectric	al Syste	m Panel	, P18-1				
		Row B	<u>Col</u> 5	Number C00186						
		F/O Ele	ctrical	System	Panel, P	6-1				
				-	r <u>Nam</u>					
		D E	14	C00188						
	(b)	Disconn	14 nect and	C01194 d remove		ANT SWITCH -601 Series ram	np test set, COM-4113 a	intenna		
	(c)			•	) switch S	8942, connect c	onnector D2703 (ATC T	op Antenna)		
	(d)	(WDM 3		,	\ switch S	S943 connect o	onnector D2707 (ATC B	Sottom		
	(u)			па (соах М 34-53-		ooto, comiect c	OTHECTOL DZIOI (ATC B	ottom		
		ECTIVITY			SOURCE MRB	ATC SYSTEM F	FUNCTIONAL CHECK			
						D633A109-AKS	3		ge 14 ( un 15/	



DATE		TAIL NUMBER			STATION	AIRLINE CARD NO.	BOEING CARD NO. 34-110-00-02		
	(e) Rer	move the sa	afety tags	and clos	e these circuit b	reakers:		MECH	INSP
		PT Electric	al Systen	n Panel,	P18-1				
		ow Col	<u>Number</u>						
	E	3 5	C00186	ATC	1				
	F/O	) Electrical	System F	Panel, P	6-1				
	Ro	ow Col	Number	Nam	<u>e</u>				
			C00188						
	Е	Ξ 14	C01194	ATC	ANT SWITCH				
(4)	ASK 34-53-00-84 Remove		and clo	se this (	circuit breaker:				
(4)		trical Syst	_		Silcuit Dieaker.				
	Row	Col Nun		ame					
	D				GEAR AURAL	WARN			
SUBTA	ASK 34-53-00-90	2-001							
(5)	Do this to	ask: Return	the Airpla	ne to the	e Ground Mode,	AMM TASK 32-09-00-	360-802.		
	ASK 34-53-00-70								
(6)	Do this to	ask: Air Tra	ffic Contro	l System	n - Operational T	est, AMM TASK 34-53-	00-710-801		
	ASK 34-53-00-86		4	055		IDI I			
(7)			cnes to the	OFF po	sition, if the AD	IRUs are not necessary	/.		
(8)	ASK 34-53-00-84 Clase thi	io-o14 is access pa	anel·						
(6)	Number		Location						
	117A	· ·	nic Equipr	ment Acc	cess Door				
					TASK ——				
			-	.ND OI	IAOR				
	EFFECTIVIT <b>AKS AL</b>			SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK			
					D633A109-AKS 34-110-00-02			ge 15 d un 15/	
					34-110-00-02		J	uii 13/	2010



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

<ul> <li>TASK 34-53-00-730-806</li> <li>2. ATC System Test (With the TR-220 Test Set)</li> <li>A. General <ul> <li>(1) This system test is a full check of the ATC system. The system test first does the ATC Operational Test and then uses the test set to examine the left and right ATC systems</li> <li>(2) The TR-220 Test Set is capable of testing ATCRBS Mode A, Mode C and Mode S transponders. The operator can select between an Automatic series of tests and a Manual series of tests. The Test Set will determine the correct set of tests, either Mod A/C or Mode S upon receiving the transponder RF signal. The TR-220 can also test Mode S Transponders with Enhanced Surveillance (EHS) capabilities.</li> </ul> </li> <li>AKS 001-023 <ul> <li>(3) The TR-220 Test Set with software version 5.20 or higher can also test the Automatic Dependent Surveillance Broadcast (ADS-B) functions. The ADS-B tests satisfy the EA</li> </ul> </li> </ul>	s. de	INSP
<ul> <li>ATC System Test (With the TR-220 Test Set)</li> <li>A. General <ul> <li>(1) This system test is a full check of the ATC system. The system test first does the ATC Operational Test and then uses the test set to examine the left and right ATC systems</li> <li>(2) The TR-220 Test Set is capable of testing ATCRBS Mode A, Mode C and Mode S transponders. The operator can select between an Automatic series of tests and a Manual series of tests. The Test Set will determine the correct set of tests, either Mode A/C or Mode S upon receiving the transponder RF signal. The TR-220 can also test Mode S Transponders with Enhanced Surveillance (EHS) capabilities.</li> </ul> </li> <li>AKS 001-023 <ul> <li>(3) The TR-220 Test Set with software version 5.20 or higher can also test the Automatic</li> </ul> </li> </ul>	de	
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(3) The TR-220 Test Set with software version 5.20 or higher can also test the Automatic		
AMC 20-24 requirements.	70A	
AKS ALL		
(4) The test set can do all of the tests automatically except the IDENT BUTTON CHECK. must do this test manually with the test set. If a test has failed, the automatic test sequence will stop and a failed message will show. At the end of the automatic test al data will show.		
(5) You can manually do each test individually. Push the AUTO/TEST/MANUAL switch to MANUAL position to do each test individually. The test results will show after each test done. After each test is completed, you must toggle the MANUAL switch to advance t the next test in the series.	st is	
(6) Operation with the antenna coupler TAP-200 used with the test set, reduces Radio Frequency emissions from the transponder being tested. It is not necessary to use the coupler to perform these tests.	e	
(7) If it is necessary to simulate the aircraft at altitude, notify the local ATC that the transponder testing is in progress.		
B. Prepare for the System Test		
AKS 001-023		
SUBTASK 34-53-00-580-003		
(1) If the ADS-B tests will be run as part of the ATC System test the airplane location must the GPS antennas have a clear view of the GPS satellites.	st let	
AKS ALL		
SUBTASK 34-53-00-861-002		
(2) Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-811.		
SUBTASK 34-53-00-860-043		
(3) Make sure that these systems are operational:		
(a) Digital Flight Control System (AUTOFLIGHT, AMM CHAPTER 22)		
(b) Air Data Inertial Reference System (NAVIGATION, AMM CHAPTER 34)		
(c) Instrument Landing System ( NAVIGATION, AMM CHAPTER 34)		
EFFECTIVITY AKS ALL SOURCE MRB ATC SYSTEM FUNCTIONAL CHECK		
D633A109-AKS 34-110-00-02	Page 16 o Jun 15/2	



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

	DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.		CARD NO. <b>0-00-02</b>			
		(d)	Air Traffic Control Syst	em (NAVI	GATION, AMM (	CHAPTER 34)		MECH	INSP		
		` '	•	,		TION, AMM CHAPTER	34)				
		. ,	00-710-007	. ,		•	,				
	(4)	Do thi	is task: Air Traffic Cont	rol System	n - Operational 1	Test, AMM TASK 34-53-	00-710-801				
	SUBTAS	K 34-53-0	00-860-044								
	(5)	On th	e ATC control panel do	these ste	ps:						
	(	(a)	Set the code switches	to a desire	ed ATC ID code.						
		<u> </u>	NOTE: Use the ATC II authority.	O code 77	76 or the Mode	A code specified by the	local ATC				
			Do not use coo		7600-7677, 770	0-7775 and 7777. Thes	se are				
	(	(b)	Set the transponder se	lect switch	n to the No. 1 sy	rstem.					
		(c)	Set the mode select sv	vitch to the	e ALT ON position	on.					
	(	(d)	Set the ALT source swi	itch to the	No. 1 (or No. 2)	air data source position	n.				
	SUBTAS	K 34-53-0	00-860-045								
	(6)	Set th	e captain's and first of	ficer's altin	neter to 29.92 in	nches of mercury.					
ı	AKS (	001-02	23								
	SUBTAS	K 34-53-0	00-860-046								
	(7)	Set a	selected altitude.								
	(	(a)	Set a desired altitude i	n the DFC	S MCP Selected	d Altitude window.					
	SUBTAS	K 34-53-0	0-860-047								
	(8)		t a Flight ID.								
	(	` '	Select the RTE function	-	he FMC MCDU.						
	(	` '	Make sure page 1 is sh								
			NOTE: If needed push shown.	the next	page function ke	ey on the MCDU until pa	age 1 is				
		(c)	Enter a Flight ID on the	MCDU s	cratchpad (i.e. E	BOE1234).					
	(	(d)	Select LSK 2R on the I	MCDU.							
ı	AKS A	ALL									
	SUBTAS	K 34-53-0	00-860-048								
	WAR	NING		EDURE I	NCORRECTLY,	IRPLANE IN THE AIR I					
	. ,		-			roximity Switch Electron AMM TASK 32-09-00-8					
			,								
		AKS	_	SOURCE MRB		UNCTIONAL CHECK					
					D633A109-AKS 34-110-00-02			age 17 Jun 15/			



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

DATE		Т	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C. 34-110-			
OUDTAGE		200 040						MECH	IN	
	< 34-53-00- Open tl		uit breaker ar	nd install sa	fety tag:					
, ,	•		System Pai							
•	Row	<u>Col</u>	Number	Name						
	D	18	C00451	LANDING	GEAR AURAL	_ WARN				
SUBTASE	K 34-53-00-	-860-050								
		e the TF C syster		est set, CO	M-10728 and f	the antenna coupler, if de	esired, for			
1	<u>NOTE</u> :	param F. Ran require is reco instruc	neters of the to mp test set oped airplane a commended the ctions for the mining the ac-	transponder perating ins ntenna con nat the ramp ramp test s	r under test, the tructions provious figurations for test set opera set and be fami	function which checks man are required by FAR 4 des charts, distance limit satisfactory ramp test seator have the most currer iliar with its operation wheresults and compliance versults and compliance versults.	43, Appendix ations and t results. It nt operating en			
1	NOTE:				g Manual for de Its of the tests.	etailed information on set	tup, test			
(	. ,		the test set a		antenna coupl	er, coax connector to the	test set			
	<u>N</u>	NOTE: You can use the direct cable connection procedure to perform this test. If you do the direct cable connection, follow the instructions in the ramp test set Operating Manual.								
(	(b) P		EST SET sw		ON position.					
·	` ,				•	then do a self test.				
		a)	Make sure	the display	indicates SEL	F TEST PASS.				
(	(c) Tu	urn the	UUT FUNCT	TON switch	on the test se	t to the XPDR position.				
	1	l) The Pag		determine	the transponde	er type and display the co	orrect Start			
		a)	Make sure	the test se	t shows the co	rrect transponder type.				
			an			ly from xpdr", do a check make sure the ATC syste				
C. ATC S	System	n Test -	Mode A/C a	nd Mode S	Transponder	rs				
	K 34-53-00-									
` '		n select quence		Mode A/C	or Mode S test	s in either an Automatic o	or Manual			
1	NOTE:		sure you con ements and a			RT 43 Appendix F for test				
1	NOTE:	The TI	R-220 Opera	ting Manua	l also contains	information about the te	sts.			
(	(a) M	lode A/0	C test sequer	nce.						
	EFFECTIVE AKS A			SOURCE MRB	ATC SYSTEM	FUNCTIONAL CHECK				
					D633A109-AK	s		ge 18		

34-110-00-02



DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA 34-110-0						
	•	Mode A Test					MECH	INSP				
		Mode C Test										
		Mode A SLS Test										
		Sensitivity Test										
		Power and Frequence	v Test									
		Mode S test sequence	•									
	` ,	Mode A Test										
		Mode C Test										
		Mode A SLS Test										
		Mode A All Call Test										
		Mode C All Call Test										
		Mode A Only Test										
	•	Mode C Only Test										
	•	Mode S Surveillance Identity Test										
	•	Mode S Surveillance	Altitude To	est								
	•	Mode S Short Air to A	Air Surveill	ance Test								
	•	Mode S Communica	tion Identit	y Test								
	•	Mode S Communica	tion Altitud	e Test								
	•	Jndesired Replies Test										
	•	Squitter Test										
	•	Max True Airspeed T	est									
	•	Diversity Test										
	•	Sensitivity Test										
	•	Power and Frequence	y Test									
	<u>!</u>				e functions, the TR-220 Stest sequence.	) test set						
SUBTAS	SK 34-53-0	0-730-017										
(2)	Do the	ese steps to run the Au	itomatic Te	est sequence.								
	. ,	Toggle the AUTO/TES an automatic sequence			UTO position. The test ler.	set starts						
	. ,	When the Automatic Te shows two alternating		•	ith no failures, the disp	ay window						
					he correct Mode S Add e S Address code.	ress. Refer						
	(	display window shows	a test fails during the Automatic Test sequence, the test set stops at that test. The isplay window shows FAIL along with the framing pulses, pulse width and eparation in microseconds.									
	EFFECT AKS		SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK							
				D633A109-AKS 34-110-00-02		_	je 19 d in 15/2					



DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	34-110			
		•	•	o the next test in	n the sequence by togg position.	ling the	MECH	INSP	
		NOTE: It is re		that the cause o	of the failure be determi	ined before			
		To repeat a fai     MANUAL posi		le the AUTO/TE	ST/MANUAL switch to	the			
SUB	TASK 34-5	3-00-730-018							
(3)	Do t	hese steps to run the	Manual Test	sequence.					
	(a)				MANUAL position to begoes the name of the test	-			
	(b)	When the test is corresults.	hen the test is complete the display window shows the test name and the test sults.						
	(c)	Toggle the AUTO/TE test in the sequence		$_{ extsf{L}}$ switch to the N	MANUAL position to be	gin the next			
SUB	TASK 34-5	3-00-730-019							
(4)	Do t	hese steps to do the	IDENT TEST						
	NOT	TE: The IDENT function the Mode A/C or	•		Manual Test sequence	for either			
	(a)				MANUAL position to beg ws the name of the test	-			
	(b)	Wait until the display	y window sho	ws the test resu	ılts.				
	(c)	Push the IDENT sw	itch on the AT	C control panel	l.				
		•		•	est set, COM-10728 dis is received from the tra				
SUB	TASK 34-5	3-00-730-023							
(5)	Do t	hese steps to do the	Mode S Surv	eillance Altitude	Test.				
	(a)	Toggle the AUTO/TE ALT is shown.	EST/MANUAI	$_{ extstyle }$ switch to the N	MANUAL position until N	M S SURV			
	(b)				R-220 ramp test set, Cand first officer's altime				
AKS 001	-023								
D. AT	C Syst	tem Test - Additiona	I Tests for E	nhanced Surve	eillance				
	-	3-00-730-020							
(1)	(1) You can use the manual test sequence to do any additional tests required for enhanced surveillance.								
	NO	<u>ΓΕ</u> : The TR-220 Ope	rating Manua	I contains inform	nation about the tests.				
	(a)	Mode S Enhanced S	Surveillance 1	Test Sequence					
		ECTIVITY S ALL	SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK				
				D633A109-AKS 34-110-00-02			ge 20 d un 15/2		



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CARD 34-110-00		
AKS 001-023 (	Conti	nued)	<u>'</u>	'	'	ME	ECH I	NS
		BDS5 Roll Angle						
		BDS5 True Track An	gle and Tra	ack Angle Rate				
		BDS5 True Airspeed	and Grou	nd Speed				
		BDS6 Indicated Airs	peed, Hea	ding and Mach N	Number			
		BDS6 Barometric Alt	titude Rate	and Inertial Ver	tical Velocity			
		<ul> <li>BDS 10 Datalink</li> </ul>						
		BDS1 Subnet Netwo	rk Numbe	r				
		BDS1 Mode S Specification	ific Service	s Capability				
		<ul> <li>BDS1 Aircraft Identif</li> </ul>	ication Cap	oability				
		BDS1 Uplink UELM/	Downlink [	DELM Capability	•			
		• BDS 1,7						
		• BDS 1,8						
		• BDS 1,9						
		<ul> <li>BDS3 Resolution Ad</li> </ul>	visory					
		BDS4 Selected Altitu	ıde					
		<ul> <li>BDS4 Barometric Pr</li> </ul>	essure and	d Target Altitude				
		BDS4 VNAV, ALT Ho	old, and Ap	proach Modes				
		53-00-730-035						
(2)		check the Flight ID functi		•				
		TE: The TR-220 test set		•		-		
	(a)	Comm ID test shows.	I/MANUAI	_ switch to the iv	IANUAL position until th	e IVI S		
	(b)	Make sure that the Flig	ght ID field	shows the same	e Flight ID entered into t	he FMC.		
		NOTE: The Flight ID a the MODE S a			vo alternating displays a	t the end of		
SUBTA	ASK 34-5	53-00-730-021						
(3)		to the remaining Enhand p test set, COM-10728:	ed Surveil	lance tests, do t	hese steps at the test se	et TR-220		
	(a)	Push the TO/START - menu.	FROM/ST	OP switch to the	TO position to show the	e EHS		
		Make sure the dismenu.	splay wind	ow shows the M	ode S Enhanced Survei	llance		
	(b)				P position to select the a The recommended sele			
	(c)	Toggle the AUTO/TES	T/MANUAI	switch to MAN	UAL to start the first test	t.		
		NOTE: Test sequence	starts at t	est previously ru	ın.			
		ECTIVITY	SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK			_
				D633A109-AKS		Page :	21 of	

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

			.,					
DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 34-110		
AKS 001-023 (Cd	ontinue	ed)					MECH	INSI
•		) 	1 . ( .		al a company of the although the second	. 1.		
		•	•		shown on the display wir	ndow.		
		2) Make sure that th						
(	. ,	est in the sequence.	I/MANUA	L switch to the N	MANUAL position to beg	in the next		
(	(e) C	ontinue until the requ	uired tests	are completed.				
	1	l) Make sure that th	ne data fiel	ds shown are n	ot blank.			
E. ATC	Systen	n Test - Additional T	ests for A	DS-B				
NOTE					ner to perform the followi ADS-B requirements.	ing ADS-B		
SUBTASI	K 34-53-00	-730-028						
(1)	You ca	n use the manual tes	t sequence	e to do any addi	tional tests required for	ADS-B.		
(	(a) T	he ADS-B Test Seque	ence is as	follows:				
	N				display the BDS 0,6 Su na will transmit the 0,6 S			
	•	Airborne Position Re	eport					
	•	Surface Position Rep	port					
	•	Aircraft Identification	and Type	Report				
	•	Airborne Velocity Re	port					
	•	Velocity Hex						
	•	Mode S Address						
	•	Latitude & Longitude	e					
	•	Airborne Surveillanc	e Status					
	•	Position Hex						
	•	Type 28 Decoded						
	•	Type 28 Hex						
	•	Type 29 Decoded						
	•	Type 29 Hex						
	•	Type 31 Hex						
	•	Horizontal Position I	ntegrity					
	K 34-53-00							
` ,		ADS-B test setup.						
<u>!</u>	ailed information on the	ADS-B test						
(	(a) S	et the test set UUT F	UNCTION	switch to the S	ETUP position.			
(	(b) To	oggle the AUTO/TES	T/MANUA	L switch to MAN	IUAL to select the LAT/L	.ON screen.		
	EFFECTI		SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK			
				D633A109-AKS	<b>;</b>		ge 22	

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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA 34-110-0		
KS 001-023 (Cor	ntinued	)			I		MECH	INS
(0	n Sat	the local latitude a	nd longitud	de nocitions				
(0	,, 3et 1)		•	•	select to the field that r	needs to be		
	.,	set.						
	2)	Use the UP/FWD	-DOWN/R	REV switch to ch	ange the values.			
		GPS anto	ennas hav	e a clear view o - Operational T	POS REF page. Use GF of the GPS satellites (Glo Fest, AMM TASK 34-58-0	obal		
SUBTASK	34-53-00-73	0-036						
( )		DS-B tests.						
				-	MC 20-24 requirements	s for ADS-B.		
(a	•	the UUT FUNCTIO		•		:III 6:t		
	NO	show the Posi			to ADS-B TX, the displa	ay wiii first		
(b	) Do	a check of the Airbo	orne Positi	on.				
`	1)	On the Airborne F shows the preser			e that the Latitude/Long	itude field		
(0	) Do	a check of the Pres	sure Altitu	de.				
	1)	On the Airborne Fairplane baromet			e that the Altitude field s 25 ft.	shows the		
(d	l) Do	a check of the Aircr	aft Identity	/.				
	1)	Set the AUTO/TE Identification scre		JAL switch to the	e MANUAL position to s	how the		
	2)	Make sure that F	light ID fiel	ld shows the sa	me Flight ID entered int	o the FMC.		
(e	e) Do	a check of the Mod	e S Addre	SS.				
	1)	Set the AUTO/TE Address screen s		JAL switch to the	e MANUAL position unti	I Mode S		
	2)				hows the correct Mode Mode S Address code.	S Address.		
(1	f) Do	a check of the Airbo						
	1)	Notify local ATC f will be performed		at transponder t	testing of the Surveillan	ce Status		
	2)	Set the AUTO/TE Airborne Surveilla			e MANUAL position unti	I the		
	3)	On the ATC controde.	ol panel, o	change the code	e switches to a different	ATC ID		
	4)	Make sure that th	ne SURV S	STAT field chang	ges to TEMP ALERT.			
	5)	Set code switche	s on the A	TC control pane	el back to the original co	de.		
	EFFECTIVIT		SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK			
				D633A109-AKS	;		je 23 (	

34-110-00-02



DAT	ΓE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C. 34-110-				
AKS 001-02	23 (Conti	nued)						MECH	INS		
		6) Pu	sh the IDENT	switch on t	the ATC Control	Panel.					
		7) Ma	ake sure that th	ne SURV S	STAT field shows	SPI.					
	(g)	Do a ch	eck of the Airbo	orne Positi	on Quality Indic	ator.					
	ν.,	•	<ol> <li>Set the AUTO/TEST/MANUAL switch to the MANUAL position until the Position Hex screen shows.</li> </ol>								
		2) Ma	ake sure that th	ne TYP fiel	d does not show	0 or 18.					
		NC	NOTE: If TYPE shows 0 the transponder does not receive position data from the IRS or MMR. A TYPE of 18 indicates the transponder receives position data but not from the MMR.								
A	AKS ALL										
F. F	Repeat A	TC Syste	m Tests								
s	SUBTASK 34-5	3-00-730-022									
(	1) Rep	eat the S	ystem Test for	the other a	antenna.						
(:	,	the ATC S ennas.	e ATC System Tests again for the right or No. 2 system on the upper and lower nas.								
	NO		eet FAR require r and lower ant		th the left and ri	ght systems must be to	ested on both				
	(a) To test the right system, put the ATC select switch to the No. 2 position.										
G. F	Put the airplane back to its Usual Condition.										
s	SUBTASK 34-53-00-840-012										
(	1) Put	the mode	select switch t	to the STB	Y position.						
	SUBTASK 34-5 (2) Disc		onnect and remove the antenna coupler, if installed.								
	SUBTASK 34-5 (3) Disc										
	бивтаѕк 34-5 (4) Do t		Return the Airp	olane to the	e Ground Mode,	AMM TASK 32-09-00-	860-802.				
	suвтаsk 34-5 (5) Ren		safety tag and	close this (	circuit breaker:						
	F/O Electrical System Panel, P6-3  Row Col Number Name  D 18 C00451 LANDING GEAR AURAL WARN										
	subtask 34-53-00-862-007 (6) If the electrical power is no longer necessary, do this task: Remove Electrical Power, AMM TASK 24-22-00-860-812										
		-			TASK ———						
		ECTIVITY		SOURCE	ATC SYSTEM F	UNCTIONAL CHECK					
	AK	SALL		MRB							



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

		С	ATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C/ <b>34-110-</b>		
		TAS	K 34-	-53-00	-730-805					MECH	INSP
	3.	ATC	Syst	tem - S	System Test (With the	IFR 6000	Test Set)				
	•	Α.	Gen	eral							
		,	(1)		system test is a full che	eck of the A	ATC system. The	e system test first does t	he ATC -		
			( )	Oper	-		•	st set, COM-10727 to ex			
			(2)	Mode (the A a full	e S transponders using Auto Test Screen) and FAR Part 43, Appendix	an Auto Te up to 17 ac x F Test, pr	est. The XPDR Additional test scr oviding decode	est capability for ATCRB Auto Test contains one n eens. The Auto Test can and display of Elementa nked Aircraft Parameters	nain screen complete ary and		
			(3)				•	pendix F test requiremen	,		
			(4)	Part 4	43, Appendix F, is shov ucted during the AUTO in the TEST LIST can	vn on the A TEST are	uto Test Screer stored in memo	ion in accordance with F n. Details of individual te ory in the Test Sets TES ually by use of DATA an	sts T LIST.		
			(5)	confi	guration files. If the clas	ss of trans	oonder is unkno	test limits by selection own, generic configuration apply the widest system	n files are		
			(6)	Mode	e S Transponder level i	s automati	cally determined	d when running a test.			
	AKS	001	-023								
1	7		(7)		FR-6000 can also test ded with the AUTO TES	•		tions. The ADS-B tests tup and test screens.	are not		
	AKS	ALL									
			(8)					em. Set the transponder tion to do a test of that s			
		B.	Pre	oare fo	or the System Test						
			AKS	001-0	23						
					-00-580-002						
			(1)		ADS-B tests will be rui SPS antennas have a c			m test the airplane locat lites.	ion must let		
ı			AKS	ALL							
					-00-860-042						
			(2)		sure that these syster	•					
				` '	DFCS - DIGITAL FLIG 22-11-00/501	HT CONTI	ROL SYSTEM -	ADJUSTMENT/TEST, A	AMM		
				. ,	ADIRS - AIR DATA INI 34-21-00/501	ERTIAL RE	FERENCE SYS	STEM - ADJUSTMENT/	TEST, AMM		
				(c)	MMR - INSTRUMENT 34-31-00/501	LANDING	SYSTEM - AD.	JUSTMENT/TEST, AMM			
					CTIVITY 5 ALL	SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK			
							D633A109-AKS		Pag	ge 25	of 33

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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.		CARD NO. 0-00-02	
	(d)	ATC - AIR TRAFFIC C	ONTROL	(ATC) SYSTEM	- ADJUSTMENT/TEST	, AMM	MECH	INSI
		34-53-00/501						
	(e)	FMCS - FLIGHT MAN. AMM 34-61-00/501	AGEMENT	COMPUTER S	SYSTEM - ADJUSTMEN	NT/TEST,		
SUBTA	ASK 34-53	3-00-710-006						
(3)	Do th	nis task: Air Traffic Conf	trol System	n - Operational 1	Гest, AMM TASK 34-53-	00-710-801		
		3-00-860-034	··· 1 14.					
(4)	Set t	he captain's and first of	ficer's altin	neter to 29.92 in	iches of mercury.			
AKS	001-0	)23						
SUBTA		3-00-860-057						
(5)	Set a	a selected altitude.						
	(a)	Set a desired altitude i	n the DFC	S MCP Selecte	d Altitude window.			
		3-00-860-058						
(6)		ct a Flight ID.		EMO MODIL				
	(a)	Select the RTE function	-	ne FMC MCDU.				
	(b)	Make sure page 1 is s		6 6 1	and MODIL of	4 4.		
		shown.	n the next	page function ke	ey on the MCDU until pa	age 1 is		
	(c)	Enter a Flight ID on the	e MCDU s	cratchpad (i.e. E	BOE1234).			
	(d)	Select LSK 2R on the	MCDU.					
AKS	ALL							
		3-00-860-035						
(7)		he ATC control panel do		•				
	(a)	Set the code switches				LOCATO		
		authority.	D code //	76 or the Mode	A code specified by the	local ATC		
		Do not use co emergency co		7600-7677, 770	00-7775 and 7777. Thes	se are		
	(b)	Set the transponder se	elect switch	n to the No. 1 po	osition.			
	(c)	Set the Mode Select s	witch to the	e ALT ON position	on.			
	(d)	Set the ALT source sw	itch to the	No. 1 (or No. 2)	air data source position	n.		
SUBTA	ASK 34-53	3-00-865-003						
(8)	Ope	n this circuit breaker an	d install sa	ifety tag:				
	F/O	Electrical System Pan	el, P6-3					
	Rov		<u>Name</u>					
	D	18 C00451	LANDING	GEAR AURAL	WARN			
		3-00-860-037		- DITE :- 4 D	barrianita Orritala Elantura	-: ! !-::4		
(9)		•			roximity Switch Electron AMM TASK 32-09-00-8			
		CTIVITY S ALL	SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK		1	
				D633A109-AKS	<b>.</b>	Pa	age 26 (	of 3

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DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA		
SUBTASK 34-5	3_00_840_011					MECH	INSP
	pare the IFR-6000 ramp	test set, C	OM-10727, for	the ATC system test.			
NOT	F. Ramp test set op required airplane ar is recommended the instructions for the r	ransponder erating ins ntenna con at the ramp ramp test s	r under test, tha tructions provide figurations for s o test set operat set and be famili	"function which checks n are required by FAR 4 es charts, distance limit atisfactory ramp test se or have the most currer ar with its operation whe esults and compliance was a second or	43, Appendix ations and t results. It nt operating en		
NOT	E: The software version higher for the ATC s		•	est set should be versio	n 1.03.02 or		
(a)	Directional Antenna Al coaxial cable.	NT Connec	tor to the Test S	riction hinge and conne Set ANT Connector via t procedure to perform the	he 12 in.		
		ect cable c		w the instructions in the			
(b)	Push the POWER Key	to energiz	ze the Test Set (	On.			
	An abbreviate	d Self Test	is run at Power	st for quick performance -Up. The full Self Test is on Manual for the full Se	sinitiated		
(c)		cycle to the	ne SETUP-GEN	screens. Continue push ERAL Screen. Use the h parameter.			
	NOTE: Refer to the IF	R 6000 Op	peration Manual	for detailed information	on setup.		
(d)		cycle to the	ne SETUP-XPD	screens. Continue push R Screen. Use the NEX eter.			
		of the XP	DR Functional N	rs which determine oper Mode. Unless otherwise			
		A: Set to TO	•	depending on which air	rcraft		
	2) Select RF PORT:	Set to AN	TENNA.				
	<ol> <li>Select ANT RANGE Under Test (UUT)</li> </ol>		setup range fro	m IFR 6000 antenna to	the Unit		
	<ol> <li>Select ANT HEIG Antenna.</li> </ol>	GHT: Set to	setup height fro	om IFR 6000 antenna to	the UUT		
				y 4 feet (1.2 m) above g ly 18 feet (5.5 m) above			
	S ALL	SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK			
			D633A109-AKS 34-110-00-02			ge 27 d un 15/2	



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING 0				
	5)	Select ANT CABL	F L OSS:	Set to cable los	s found on cable		MECH	INSP		
	6)		(dBi): set	1.03 GHz and 1	I.09 GHz antenna gain	to figures				
	7)	Select UUT ADDR	RESS: Set address i	t to AUTO (defai s obtained via A	ults to AUTO on power- TCRBS/Mode S All Cal					
		NOTE: Refer to the on UUT A		•	anual for more detailed	I information				
	8)	Select DIVERSITY	: Set to 0	ON.						
		installed to	the top	or bottom UUT a	I, make sure the Anteni antenna prior to running al for the Antenna Shie	g the test.				
				•	et must be at a distance airplane antenna.	e of less				
	9)	Select CHECK CA	P: Set to	YES.						
	10)	Select PWR LIM:	Set to FA	R 43.						
CAL	OITU	_	FROM T		EN ITS ANTENNA IS LI ANTENNA. DAMAGE T					
(e)	Pos	ition the Test Set ≤5	0 feet fro	m and in line of	sight with the UUT ante	enna.				
(f)	Inse	rt the Antenna Shie	ld over th	e ATC antenna	not under test.					
	NOT	NOTE: Refer to the IFR 6000 Operation Manual for the Antenna Shield mounting procedure.								
	NOT		ctical, mo		nielding the top antenna so that it is not in the lin					
C. ATC Sys	tem T	est								
SUBTASK 34-5	3-00-730	-012								
(1) Do t	he AT	C System Test:								
NO <sup>-</sup>		/hen first powered-uesults are displayed	•		olank data fields. The la owered on.	ast test				
(a)		h the XPDR Mode h DR Auto Test Screer		e IFR-6000 ram <sub>l</sub>	p test set, COM-10727	to return to				
	ECTIVITY		SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK					
				D633A109-AKS 34-110-00-02			ge 28 d un 15/			



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C. 34-110-		
(b)	to se	elect the desired co	-		CONFIG Screen. Use th RETURN Soft Key to c	-	MECH	INS
		limits applied to	o ERP, Fre	equency and M <sup>-</sup> option. Refer to	vided to determine the F FL measurements. Con the IFR 6000 Operatio	figurations		
	NOT	E: If the transpond GENERIC MO			elect the GENERIC ATC	CRBS or		
(c)		-			ey. When the Auto Test the Auto Test screen.	completes,		
	NOT	E: The Auto Test sparameters rec			screen and displays m	ost UUT		
	NOT	<u>E</u> : A passed Auto requirements.	Test comp	olies with the FA	AR Part 43 Appendix F t	test		
	NOT			peration Manua results of the te	I for detailed information ests.	n on test		
(d)					the correct Mode S Add e S Address code.	lress. Refer		
(e)			-	•	lete Auto Test List. Test and SELECT keys.	s may be		
	NOT		an ATCR	BS configuration	d the test list is displaye n is selected the test lis			
(f)	To de	o the tests individu	ally in the	Test List, do the	ese steps:			
	1)	Use the DATA Ke	-	ct desired test. I	Push the SELECT TES	T Soft Key to		
	2)	Push the RETUR	N Soft Ke	v to show the X	PDR Auto Test Screen.			
	3)	Push the RUN TE						
	,	NOTE: The test r	uns until s	-	eass through the test se	quence		
	4)	Push the STOP T	EST Soft	Key to the stop	test.			
	5)	Push the NEXT T	EST Soft	Key to show the	e next test.			
	6)	Push the PREV T		-				
	7)			•	st list and select desire	d test.		
AKS 001	-023							
SUBTASK 34	-53-00-730-	027						
(2) To	do the	tests for ADS-B, do	the follow	wing:				
(a)	Do tl	ne ADS-B test setu	ıp					
	NOT	E: Refer to the IFI test setup.	R 6000 O <sub>l</sub>	peration Manua	I for detailed information	n on ADS-B		
	FECTIVITY <b>KS ALL</b>		SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK		•	
				D633A109-AKS	;		ge 29 (	

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

DATE	TA	AIL NUMBER		STATION	AIRLINE CARD NO.	BOEING 0 34-110		
AKS 001-023 (Contin	ued)		'				MECH	INS
	1) Pusl	h the SETUP	Key until t	the SETUP-XPD	OR Screen is shown.			
	2) Pusl	h the ADS-B S	SETUP So	oft Key.				
	,	•		-	ARAM soft key. Push t to slew the data.	he PREV		
	a)	Select POS	DECODE	: Set to LOCAL				
	b)	Select LAT: S	Set the lo	cal latitude posit	ion.			
		posi (Glo	tion if GP: bal Position	S antennas havo oning System -	CDU POS REF page. U e a clear view of the GI Operational Test, AMM ot, use the IRS positior	PS satellites		
	c)	Select LONG	3: Set the	local longitude	position.			
		posi (Glo	tion if GP: bal Position	S antennas havo oning System -	CDU POS REF page. Ue a clear view of the Gl Operational Test, AMM ot, use the IRS position	PS satellites		
	d)	Select ADS-	B MON: S	Set to DF17.				
	e)	Select GICB	: Set to D	F20.				
(b)	Do the AD	OS-B tests.						
				peration Manual results of the te	for detailed informationsts.	n on test		
	1) Pusl	h the XPDR m	node key t	twice to show th	e ADS-B/GICB Main M	enu.		
	2) Pusl	h the ADS-B N	MON Soft	Key to show the	e ADS-B MON list scree	en.		
	a)	The ADS-B I BDSs:	MON list s	screen will show	the following extended	l squitter		
		• 0,5 AIRBC	RNE POS	S				
		• 0,6 SURF	ACE POS					
		• 0,8 IDENT	& CAT					
		• 0,9 AIRBC	RNE VEL	-				
		• 6,1 A /C S	TATUS					
		• 6,2 TARG	STATE					
		• 6,5 A /C O	P STATU	S				
					st . When a specific ex wn to the right of the Bl			
	NOT	E: The test v	vill continu	ue to run until th	e STOP TEST soft key	is pushed.		
	<u>NO1</u>		6. Only the		de to capture the 0,6 S na will transmit the 0,6			
	CTIVITY S ALL		SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK			
				D633A109-AKS			ge 30	

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

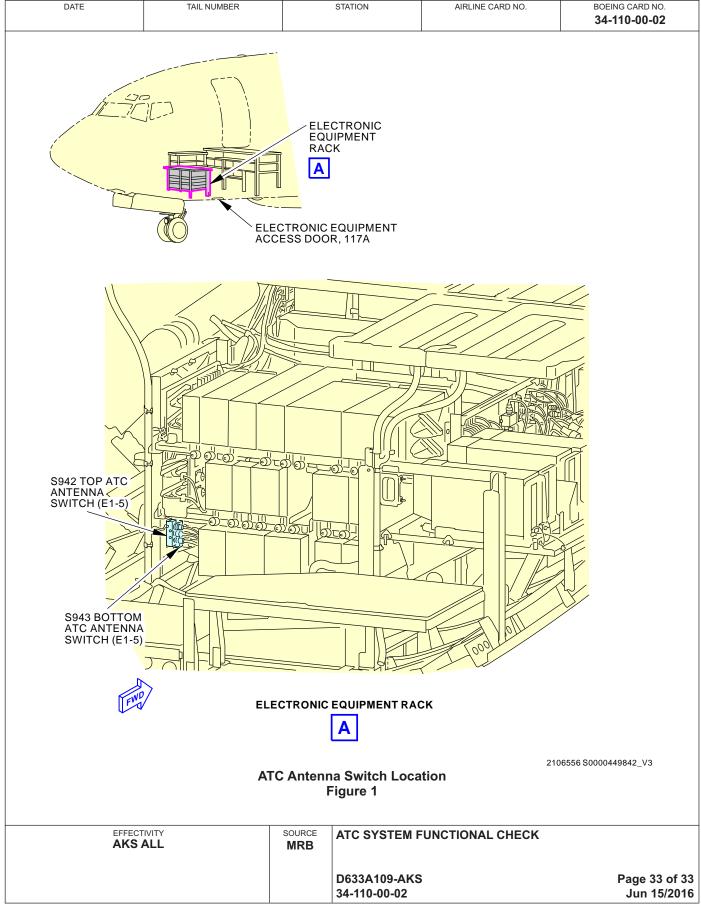
DATE		TA	AIL NUMBER		STATION	AIRLINE CARD NO.		CARD NO. 0-00-02	
NKS 001-023 (Con	tinued)							MECH	INS
	4)	You	can use the	Data Keys	to select a spec	cific BDS and push the	BDS DATA		
		soft	key to show	the selecte	ed BDS screen.				
		NOT		the next or EST soft ke	•	screen, push the NEX	Γ TEST or		
	5)	Pus	h the RETUR	N soft key	to return to the	ADS-B MON list scree	n.		
(c)	) Do a	ched	ck of the ADS	-B test res	sults.				
	NOT		he test result DS-B.	s that follo	w satisfy the EA	SA AMC 20-24 require	ements for		
	1)	Do a	a check of the	Airborne	Position.				
		a)	Select the 0	,5 BDS wi	th the BDS Data	a soft key.			
		b)	Make sure to in the ADS-			lds show the position of	data entered		
	2)	Do a	a check of the	Pressure	Altitude.				
		a)	Select the 0	,5 BDS wi	th the BDS Data	a soft key.			
		b)			ARO PRESS AL <sup>-</sup> Altitude +/-125 ft	T field shows the airpla	ine		
	3)	Do a	a check of the	Surveillar	nce Status.				
		a)	Notify local Status will b			nder testing of the Surv	/eillance		
		b)	Select the 0	,5 BDS wi	th the BDS Data	a soft key.			
		c)	On the ATC ID code.	control pa	nnel, change the	code switches to a dif	ferent ATC		
		d)	Make sure	hat the SU	JRVEILLANCE S	STATUS field changes	to TEMP		
		e)	Set code sv	vitches on	the ATC control	panel back to the origi	inal code.		
		f)	Push the ID	ENT switc	h on the ATC Co	ontrol Panel.			
		g)	Make sure	hat the SU	JRVEILLANCE S	STATUS field shows S	PI.		
	4)	Do a	a check of the	Position (	Quality Indicator	:			
		a)	Select the 0	,5 BDS wi	th the BDS Data	a soft key.			
		b)	Make sure	hat the TY	PE field does n	ot show 0 or 18.			
			fror	n the IRS	•	nder does not receive p E of 18 indicates the tra from the MMR.			
	5)	Do a	a check of the	•					
	,	a)	Select the 0	,8 BDS wi	th the BDS Data	a soft key.			
		b)				wn in the following fiel	ds:		
				•	,	shows the Mode S Add or the Mode S Address			
	FFECTIVITY			SOURCE MRB	ATC SYSTEM F	UNCTIONAL CHECK			
					D633A109-AKS		Pa	age 31 (	

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1	DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C.		
A1/O 004	000 (0 1)						34-110-	MECH	INSP
AKS 001-	023 (Conti	iued)							
						same Flight ID entered	d into the		
			FMC (	SUBTAS	SK 34-53-00-860	0-058).			
	AKS ALL								
D.	Repeat S	ystem Te	ests						
	SUBTASK 34-5								
	(1) Rep	eat the Sy	stem Test for th	ne other a	antenna.				
	SUBTASK 34-5								
		-				on the upper and lower			
	NO <sup>-</sup>		eet FAR require and lower ante		oth the left and ri	ght systems must be te	sted on both		
_	Dest the A	• •			4!				
E.		-	Back to its Usua	ai Condi	tion				
	subtask 34-5 (1) Set		selector on the	ATC con	trol panel to the	STRY position			
	` '				est set, COM-10	•			
	` '		est set, ii 10-000 intenna shield, i			)   2   .			
	` ,		interna sineia, i	ii ii istalie	u.				
	(4) Do t		Return the Airnla	ane to the	e Ground Mode	AMM TASK 32-09-00-8	360-802		
	SUBTASK 34-5		totalii tilo / tilpit		o Orouna Mode,	71101101 171011 02 00 00 1	300 002.		
			afety tag and cl	ose this	circuit breaker:				
	, ,		l System Pane						
	Ro		-	lame					
	D	18		ANDING	GEAR AURAL	WARN			
	SUBTASK 34-5	3-00-862-006							
	(6) If the	e electrica	al power is no lo	nger nec	essary, do this t	ask:Remove Electrical	Power, AMM		
	TAS	K 24-22-0	0-860-812.						
				END OF	TASK				
		CTIVITY		SOURCE	ATC SYSTEM F	UNCTIONAL CHECK			I
	AK	SALL		MRB					
					D633A109-AKS		Pa	ge 32	of 33
					34-110-00-02			un 15/	









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

AIRLIN	AIRLINE CARD NO		INTEGRATED STANDBY FLIGHT DISPLAY			CARD NO. -00-01
DATE	TASK REPLACE				RELATE	D CARD
TAIL NUMBER	WORK AREA E/E COMPARTMENT	VERSION 1.1 NOTE	THRESHOLD  3 YR	REPEAT 3 YR	APPLIC/	ABILITY ENGINE
STATION	SKILL ELEC				ALL NOTE	ALL
		ACCESS			ZONE <b>117</b>	

Discard the dedicated battery/charger internal battery for the integrated standby flight display.

INTERVAL NOTE: At manufacture's life limit.

AIRPLANE NOTE: If Installed.

#### A. References

Reference	Title
AMM 06-41-00-800-801	Finding an Access Door or Panel on the Lower Half of the Fuselage (P/B 201)
AMM 20-10-07-000-801	E/E Box Removal (P/B 201)
AMM 20-10-07-400-801	E/E Box Installation (P/B 201)
AMM 20-40-12 P/B 201	ELECTROSTATIC DISCHARGE SENSITIVE (ESDS) DEVICES - MAINTENANCE PRACTICES
AMM 24-22-00-860-811	Supply Electrical Power (P/B 201)

#### B. Consumable Materials

Reference	Description	Specification
A00270	Compound - Threadlocking, Low-strength - Loctite	
	222	

EFFECTIVITY AKS ALL	SOURCE MRB	INTEGRATED STANDBY FLIGHT DISPLAY	
		D633A109-AKS 34-130-00-01	Page 1 of 8 Jun 15/2015



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

					IAS	K CARDS				
	DATE		1	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA 34-130-		
TA	SK 34	-24-03-0	00-801						MECH	INS
				Charger an	d Battery F	Pack Removal				
	gure 1									
A.	Pre	pare for	the rer	noval						
	WA	RNING:	MAINT	TENANCE W	ORK. THE	UNIT CAN CO	UND THE UNIT BEFORI NTAIN ELECTRICITY A TO EQUIPMENT.			
	SUBT	ASK 34-24-03	-840-002							
	(1)	are ser	nsitive t	o electrostati	c discharge	(ELECTROS	, do the procedure for de TATIC DISCHARGE SE MM 20-40-12/201			
В.	Ren	noval Pr	ocedui	re - ISFD De	dicated Ba	ttery System				
	SUBT	ASK 34-24-03	-860-001							
	(1)	Open t	his circ	uit breaker aı	nd install sa	fety tag:				
		CAPT Row D	Electric Col 8	cal System F Number C01551	Panel, P18- <u>Name</u> ISFD	2				
	SUBT	ASK 34-24-03	-010-001							
	(2)	To get Number	er <u>N</u>	to the main of the state of the	<u>on</u>	·	is access panel:			
		(AMM		6-41-00-800	•					
	SUBT	ASK 34-24-03								
	(3)	Open t	his circ	uit breaker a	nd attach a	DO-NOT-CLO	SE tag:			
		(a) F	ront of	the battery cl	narger, M21	00, E4-1:				
		1	1) DB	C Output Bre	aker					
	SUBT	ASK 34-24-03	-020-001							
	CAL		ISFD D CONDU	EDICATED E JCTORS, EL	BATTERY C ECTROSTA	CHARGER [1].	OR OTHER CONDUCTO IF YOU TOUCH THESE RGE CAN CAUSE DAM/ R [1].			
	(4)			battery char 7-000-801.	ger [1], do t	:his task: E/E B	Box Removal, AMM			
C.	Ren	noval Pr	ocedui	re - Battery I	Pack					
		ASK 34-24-03 Make s		at this circuit t	oreaker is o	pen and has sa	afety tag:			
		CAPT		cal System F	Panel, P18-	2				
		Row D	<u>Col</u> 8	Number C01551	<u>Name</u> ISFD					
		EFFECTI <b>AKS</b> A			SOURCE MRB	INTEGRATED	STANDBY FLIGHT DISPL	AY		
						D633A109-AK	s		Page 2	

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DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING ( 34-130		
SUBTASK 34-24-	-03-010-002				MECH	INSP
(2) Do th	ese steps to remove the	battery pack from the IS	SFD dedicated battery s	ystem:		
(a)	Remove the 14 screws [	[4] from the battery char	ger cover [3].			
	Remove the bottom screbattery charger.	ew from the hold down h	ook [2] on the front plate	e of the		
(c)	Remove the battery cha	rger cover [3] from the b	oase.			
(d)	Disconnect the battery p	ack [5] from the battery	charger power circuit be	oard.		
(e)	Remove the battery pac	k [5] from the battery ch	arger.			
		END OF TASK ———				
	CTIVITY 6 <b>ALL</b>	MRB	STANDBY FLIGHT DISPL			
		D633A109-AKS 34-130-00-01	-		Page 3 eb 15/	



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

DATE TAIL NUMBER STATION AIRLINE CARD NO. BOEING CARD NO. 34-130-00-01 MECH INSP TASK 34-24-03-400-801 ISFD Dedicated Battery Charger and Battery Pack Installation (Figure 1) Prepare for the installation WARNING: REMOVE ELECTRICAL POWER AND GROUND THE UNIT BEFORE YOU DO MAINTENANCE WORK. THE UNIT CAN CONTAIN ELECTRICITY AND CAUSE INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT. SUBTASK 34-24-03-840-001 Before you touch the battery charger or battery pack, do the procedure for devices that are sensitive to electrostatic discharge ( ELECTROSTATIC DISCHARGE SENSITIVE (ESDS) DEVICES - MAINTENANCE PRACTICES, AMM 20-40-12/201 **Installation Procedure - Battery Pack** SUBTASK 34-24-03-860-009 Do these steps to install the battery pack in the ISFD dedicated battery system: Make sure that the spacer [6] and the insulators [7] are oriented as shown in Figure 1 Put a serviceable battery pack [5] in the battery charger base. (b) NOTE: The battery pack is serviceable when it has between 20 Vdc and 25Vdc. The battery pack is charged to 27.5Vdc in less than 150 minutes by the dedicated battery charger, and is maintained at 25Vdc by the charger. Connect the battery pack [5] to the battery charger power circuit board. Install the battery charger cover [3] to the battery charger base by aligning the screw holes in the cover with the screw holes in the base. (e) Apply a small amount of Loctite 222 compound, A00270 to the 14 screws [4] removed from the battery charger cover. Attach the battery charger cover [3] to the base with the 14 screws [4]. 1) Torque the 14 screws [4] to  $5 \pm 1$  in-lb (0.6  $\pm 0.1$  N·m). Install the bottom hold down hook [2] screw. Torque the screw to 16 ±1 in-lb (1.8 ±0.1 N·m) C. Installation Procedure - ISFD Dedicated Battery System SUBTASK 34-24-03-860-006 Make sure that this circuit breaker is open and has safety tag: (1) **CAPT Electrical System Panel, P18-2** Row Col Number Name D 8 C01551 **ISFD** SUBTASK 34-24-03-860-003 Make sure that this circuit breaker is open: Front of the battery charger, M2100, E4-1: **DBC Output Breaker FFFFCTIVITY** SOURCE INTEGRATED STANDBY FLIGHT DISPLAY **AKS ALL MRB** 

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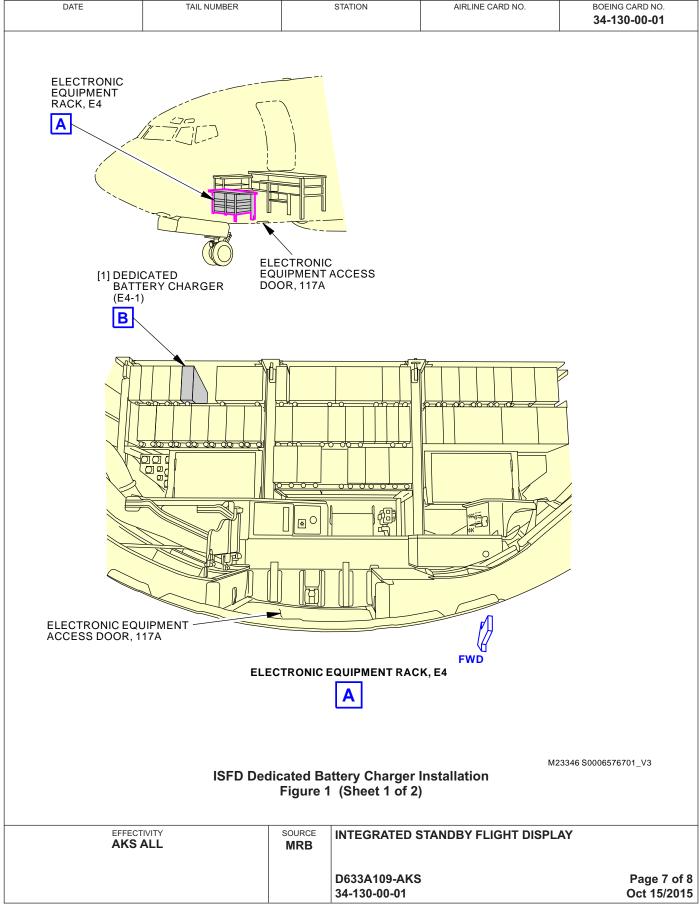
### 737-600/700/800/900 **TASK CARDS**

DATE		Т	AIL NUMBER		STATION	AIRLINE CARD NO.	BOEING	CARD NO.	
							34-130		
SUB	TASK 34-24-03	3-420-001						MECH	INS
CA	UTION:	BATTER	RY CHARGE ROSTATIC D	R. IF YOU	TOUCH THESE	R OTHER CONDUCTO E CONDUCTORS, DAMAGE TO THE BA			
(3)			attery charge 7-400-801.	er [1], do thi	s task: E/E Box	Installation, AMM			
SUB	TASK 34-24-03	3-860-007							
(4)	Remov	ve the sa	afety tag and	close this o	circuit breaker:				
	CAPT Row D	Electric Col 8	cal System F Number C01551	Panel, P18- <u>Name</u> ISFD	2				
(5)	(a) F	ve the D Front of t 1) DB0	O-NOT-CLO he battery ch C Output Bre	narger, M21	close this circu 00, E4-1:	it breaker:			
(6)			t the red ligh	t on the fac	e of the battery	charger is not on.			
D. Ins	tallation	Test							
(1)	Do this		upply Electri	cal Power, <i>i</i>	AMM TASK 24-2	22-00-860-811.			
sub <sup>-</sup> (2)	гаsк 34-24-03 Маке 9		isplay shows	on the inte	grated standby	flight display.			
	NOTE			-	approximately ge to an attitude	15 seconds. After appr display.	oximately 3		
	TASK 34-24-03								
(3)	Open t	this circu	uit breaker ar	nd install sa	fety tag:				
	CAPT Row D	Electric Col 8	cal System F Number C01551	Panel, P18- <u>Name</u> ISFD	2				
SUB.	TASK 34-24-03	3-700-003							
(4)	Make	sure a di	isplay shows	on the inte	grated standby	flight display.			
	NOTE: This step tests the dedicated battery operation. The battery is replaced every three years for normal maintenance.								
	NOTE		tart the displant f the ISFD.	ay initializat	ion, push and re	elease the ATT RST bu	utton on the		
	EFFECT	IVITY		SOURCE	INTEGRATED S	STANDBY FLIGHT DISP	ΙΔΥ		
	AKS A			MRB	D633A109-AKS			Page 5	_

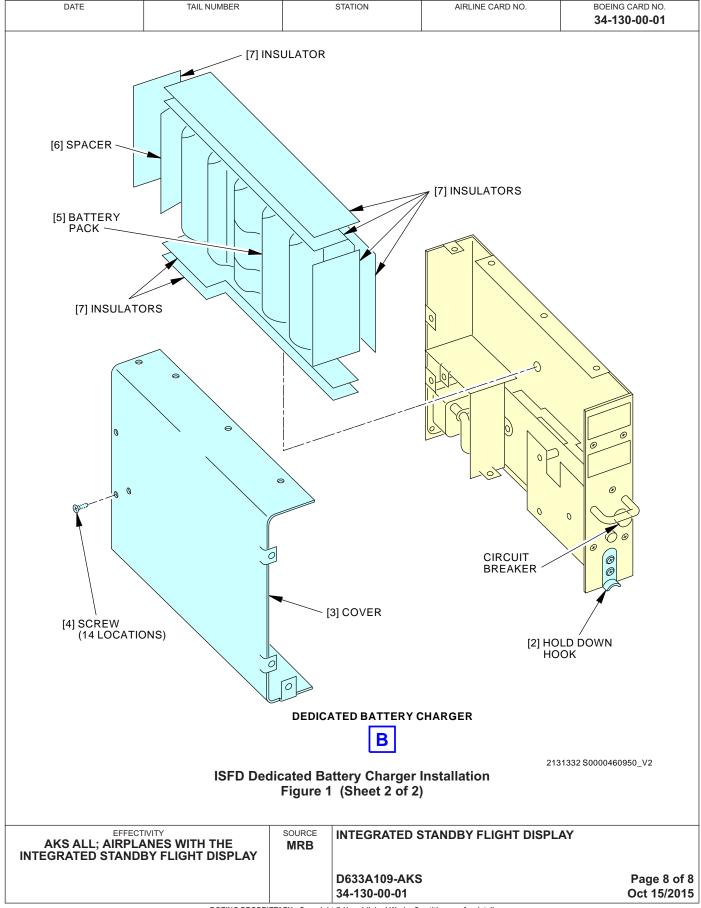


DATE	Т	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CARD 34-130-00-	
SUBTASK 34-24	-03-700-004			-		ME	CH INSP
		afety tag and	close this	circuit breaker:			
, ,		cal System F					
Rov		Number	Name	-			
	8	C01551	ISFD				
SUBTASK 34-24	-03-710-002						
		t the red FAL	JLT light on	the face of the	battery charger is not o	n.	
NOT		fault light is n y, the battery			on the integrated stand	by flight	
(a)	The red I	FAULT light o	comes on w		ault with the battery cha	rger or the	
	1) Bat	tery charger	operating to		ore than the maximum	180°F	
	,	,		•	correct output voltage.		
					ck are not equal.		
SUBTASK 34-24	,	lage levels o	i tilo ocilo ii	Tille battery pac	ik are not equal.		
		ess panel:					
Num		lame/Locati	on				
117A		lectronic Eq		cess Door			
(AMA)		6-41-00-800					
,	,	0 11 00 000	•	TASK ———			
	CTIVITY S ALL		SOURCE MRB	INTEGRATED S	TANDBY FLIGHT DISPL	AY	
				D633A109-AKS 34-130-00-01			e 6 of 8 15/2016













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

AIRLIN	E CARD NO	INTEGRATE	TITLE  ED STANDBY FLIG	HT DISPLAY	34-140	
DATE	TASK OPERATIONAL				RELATE	D CARD
TAIL NUMBER	WORK AREA CREW CABIN	VERSION 1.1	THRESHOLD 9000 FH	REPEAT <b>9000 FH</b>	APPLIC/	
STATION	SKILL <b>AIRPL</b>				AIRPLANE ALL NOTE	ALL
		ACCESS			ZONE <b>212</b>	

Operationally check the Integrated Standby Flight Display Dedicated Battery/Charger.

**AIRPLANE NOTE:** If Installed.

#### A. References

Reference	Title
AMM 24-22-00-860-811	Supply Electrical Power (P/B 201)
AMM 24-22-00-860-812	Remove Electrical Power (P/B 201)
AMM 34-24-03 P/B 401	ISFD DEDICATED BATTERY CHARGER -
	REMOVAL/INSTALLATION

AKS ALL; AIRPLANES WITH THE INTEGRATED STANDBY FLIGHT DISPLAY	SOURCE MRB	INTEGRATED STANDBY FLIGHT DISPLAY	
		D633A109-AKS 34-140-00-01	Page 1 of 2 Jun 15/2015



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

	DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CARD NO	).
							34-140-00-01	
TAS	SK 34-	24-02	2-710-802				MECH	I IN
1. <u>ISF</u>	D Dec	licate	d Battery System - Օլ	perational	Test			
A.	General							
	SUBTASK 34-24-02-800-001							
	(1) This procedure is a scheduled maintenance task to see if the battery charger and battery pack for the integrated standby flight display are operational.							
В.	Prepare for the Operational Test							
	subtask 34-24-02-860-014 (1) Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-811.							
C.								
C.	Operational Test of the Dedicated Battery System and Battery Pack for the Integrated Standby Flight Display							
	SUBTASK 34-24-02-210-006							
	AKS ALL							
	(1) Do a check to see if the ISFD dedicated battery system (E4-1) and battery pack are serviceable:							
	(a) Make sure that the red FAULT light on the front of the battery charger is not on.							
	NOTE: The red FAULT light shows that the battery charger or the battery pack are							
			not serviceable. The battery charger or battery pack can be not serviceable because of problems with battery charger operating temperature, battery					
					or battery pack		,,	
				_		isplay shows on the integ ger and battery are servic		
	(b) If the battery charger or battery pack are not serviceable, do this task: (ISFD DEDICATED BATTERY CHARGER - REMOVAL/INSTALLATION, AMM 34-24-03/401)							
		(c)	c) Make sure that the yellow "ALT", "SPD", "ATT" and "INIT XXs" flags are displayed on the ISFD for approximately 10 to 15 seconds after power up.					
		NOTE: "XXs" refers to the time remaining (in seconds) for the ISFD to complete its initialization. Timer starts at 90s and counts down to 0s.						
	(d) After 15 seconds make sure the display still show "ATT" and "INIT XXs" on the ISFD.							
	(e) After 120 seconds, make sure the display change to an attitude display.							
	AKS ALL; AIRPLANES WITH THE INTEGRATED STANDBY FLIGHT DISPLAY							
D.	Put the Airplane Back to Its Usual Condition							
	SUBTASK 34-24-02-860-018 (1) Do this task: Remove Electrical Power, AMM TASK 24-22-00-860-812.							
	(1)	טט (ו	ilis task. Reiliove Elect			∠4-∠∠-UU-00U-0 I∠.		
				– END OF	TASK ——	_		
AK		AIRP	CTIVITY LANES WITH THE DBY FLIGHT DISPLAY	SOURCE MRB	INTEGRATED	STANDBY FLIGHT DISPLA	AY	
INTEGR	$\Delta I - U$							