CHAPTER

IGNITION





737-600/700/800/900 TASK CARDS

CHAPTER 74 IGNITION

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74-02	0-02-01	SYS							
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	3	Oct 15/2015							
	4	Oct 15/2015							
R	5	Jun 15/2016							

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

74-EFFECTIVE PAGES





737-600/700/800/900 TASK CARDS

AIRLINE	E CARD NO		IGNITION LEADS			CARD NO.)-01-01
DATE	TASK INSPECTION - DETAILED				RELATE	D CARD
TAIL NUMBER	WORK AREA LEFT ENGINE	VERSION 1.1	THRESHOLD 4000 FC	REPEAT 4000 FC	APPLIC AIRPLANE	ABILITY
STATION	SKILL AIRPL	-			ALL	ALL
		ACCESS 413 414			ZONE 411	

Detailed inspection of both left engine ignition leads.

A. References

Reference	Title
AMM 71-00-00-800-811-F00	Power Plant Test Reference Table (P/B 501)
AMM 71-11-02-010-801-F00	Open the Fan Cowl Panels (P/B 201)
AMM 71-11-02-410-801-F00	Close the Fan Cowl Panels (P/B 201)
AMM 74-21-01-000-801-F00	Ignition Lead Removal (P/B 401)
AMM 74-21-01-400-801-F00	Ignition Lead Installation (P/B 401)

B. Consumable Materials

Reference	Description	Specification	
B00682 [CP2011]	Solvent - Stoddard	P-D-680 Type I, II or III	
B00683 [CP1008]	Solvent - Stabilized Trichloroethylene		
G00834	Cloth - Lint-free Cotton		

EFFECTIVITY AKS ALL	SOURCE MRB	IGNITION LEADS	
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	DATE		Т	AIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CARD 1 74-020-01-	
ΤΔ	NSK 7/	-21-01-20	n_ 8 01.	-E00				MEG	INSF
		_ead Insp							
	igure 1			<u> </u>					
Α	Ger	neral							
	(1)		k is to	examine the	condition o	f the ignition I	eads.		
	(2)					_	ith the bottom ignition excit	ter.	
	(3)	The righ	t igniti	on lead conr	nects the rig	ht igniter plug	with the top ignition excite	er.	
В	. Pre	pare for t	he Ins	pection					
		ASK 74-21-01-86		-					
	(1)	For Engi	ine 1,	open these	circuit break	ers and instal	l safety tags:		
		CAPT E	lectric	cal System	Panel, P18-	2			
		Row	Col		Name	IONUTION D	IOLIT		
		A A	1 3	C00458 C00153		IGNITION R			
	SURT	7 \ ASK 74-21-01-86			LIVOIIVE	IOMITION E			
					circuit break	ers and instal	I safety tags:		
	` '	_		∣System Pa			. 0		
		Row		<u>Number</u>					
		D	4			IGNITION R			
		D	6	C00151	ENGINE 2	IGNITION LE	EFT		
	suвт. (3)	ASK 74-21-01-04			ver is in the	CLITOFE nos	ition and install a DO-NOT	ODEDATE	
	(3)	tag.	iie iiia	t tile start le	vei is iii tiie	COTOTT pos	illon and install a DO-NO i	-OF LIVATE	
	SUBT	ASK 74-21-01-04	40-002-F0	0					
	(4)	Make su	ire tha	t the engine	start switch	is off and inst	tall a DO-NOT-OPERATE	tag.	
		ASK 74-21-01-0							
	(5)	Open the	e left a	and right fan	cowl panels	s (AMM TASK	71-11-02-010-801-F00).		
		ASK 74-21-01-04							
	WA						RS ARE DE-ENERGIZED U START WORK ON THE		
							GE IS DANGEROUSLY HI		
							S. THE IGNITION EXCITE		
							HEN NOT ENERGIZED. II O PERSONS CAN OCCUI		
	(6)						ower from the ignition syste		
	` '	you do tl			·	·			
		EFFECTIVI [*]	TY		SOURCE	IGNITION LEA	ADS		
		AKS AL			MRB	IGNITION LE	ADO		

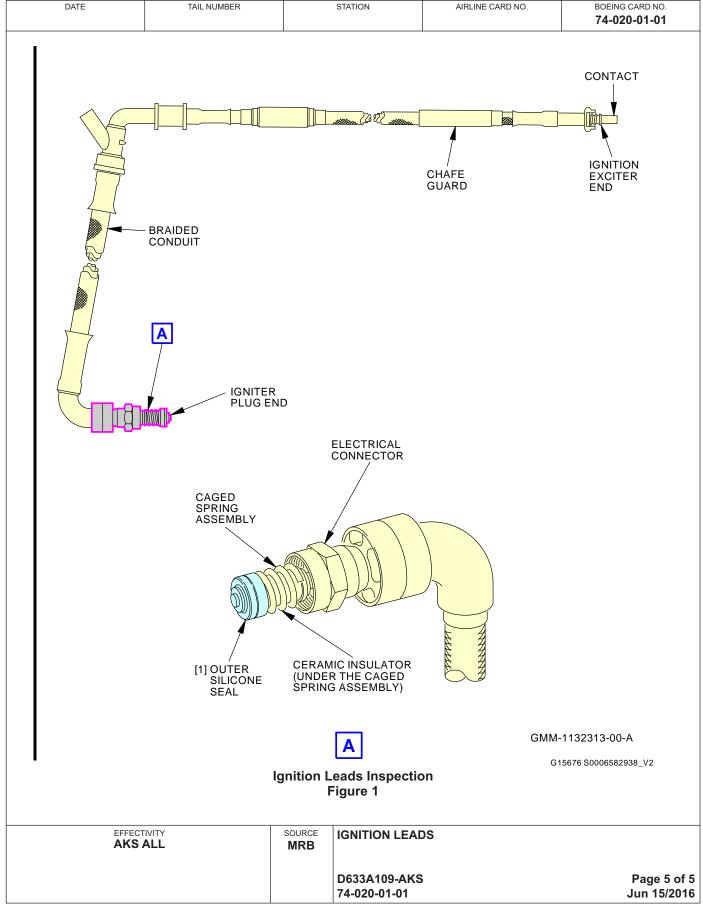


	DATE		TAIL	IUMBER	STATION	AIRLINE CARD NO.	BOEING C. 74-020		
	SUBTA	SK 74-21	-01-020-001-F00					MECH	IN
	CAL	JTION	THE IGNIT	TON LEAD		OLS ARE CLEAN. DO NO SE ON HANDS OR TOC THE IGNITION LEAD.			
	(7)	Disco	onnect the ig	nition lead:	s from the aft side of the	ignition exciters.			
		(a)	Put the prote	ective cove	ers on the ignition excite	rs.			
C.	Igni	tion L	ead Inspect	ion					
	SUBTA	SK 74-21	-01-210-015-F00						
	(1)	Exan	nine the ignit	ion exciter	end of the ignition lead.				
		(a)				permitted. Replace the learning 74-21-01-400-801-F00).	ad (AMM		
	SUBTA	SK 74-21	-01-900-002-F00						
	(2)				ot in the limits, replace th 0 and AMM TASK 74-21				
	SUBTA	SK 74-21	-01-110-001-F00						
	(3)		FLAMMAI EQUIPME	BLE AND (NT. with lint-fr	CAN CAUSE INJURY TO	NG SOLVENT IS POISON O PERSONS OR DAMAC moist with solvent, B006	SE TO		
D.	Dut			-	ual Condition				
υ.			-01-420-002-F00	to its ost					
	(1)			connect th	ne ignition lead to the af	t side of the ignition excite	er:		
	()		•		cover from the ignition	-			
		(b)			ad to the aft side of the				
		(c)		connector		to 140-160 pound-inches	(16.0-18.0		
			I VC VV LOTT-TTTC	,					
	SUBTA	SK 74-21	-01-410-004-F00	,					
	suвта (2)		-01-410-004-F00	·	Cowl Panels, AMM TAS	K 71-11-02-410-801-F00			
	(2)	Do th	-01-410-004-F00 nis task: Clos -01-860-024-F00	e the Fan					
	(2)	Do th	-01-410-004-F00 nis task: Clos -01-860-024-F00	e the Fan	Cowl Panels, AMM TAS				
	(2) SUBTA	Do th sk 74-21 For E	-01-410-004-F00 nis task: Clos -01-860-024-F00 Engine 1, ren T Electrical	e the Fan nove the sa	afety tags and close thes				



	DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	74-020)-01-01	
	SUBTASK 7	'4-21-01-860-025-F(00					MECH	INSP
	(4) Fo	or Engine 2,	remove the s	afety tags	and close these	circuit breakers:			
			I System Par						
	<u>F</u>	Row Col		Name ENGINE	O LONIITION DIO	UT			
		D 4 D 6			2 IGNITION RIG 2 IGNITION LEF				
	SUBTASK 7	'4-21-01-860-005-F(2.10.112	2 1011111011 221	•			
				RATE tags	s from the start le	ever and the engine sta	rt switch.		
E.	Ignition	n Lead Test							
		/4-21-01-700-004-F0							
			listed in the F 0-800-811-F0		nt Test Reference	e Table (AMM			
	17	ASIX 1 1-00-0			TACK				
				– END OF	TASK ———				
		FFECTIVITY		SOURCE MRB	IGNITION LEAD	S		-	•
	,			MILLO					
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737-600/700/800/900 TASK CARDS

AIRLINE CARD NO		IGNITION LEADS			BOEING CARD NO. 74-020-02-01		
DATE	TASK INSPECTION - DETAILED				RELATE	D CARD	
TAIL NUMBER	WORK AREA RIGHT ENGINE	VERSION 1.1	THRESHOLD 4000 FC	REPEAT 4000 FC	APPLIC.		
STATION	SKILL AIRPL				ALL	ALL ALL	
		ACCESS 423 424			ZONE 421		

Detailed inspection of both right engine ignition leads.

A. References

Reference	Title
AMM 71-00-00-800-811-F00	Power Plant Test Reference Table (P/B 501)
AMM 71-11-02-010-801-F00	Open the Fan Cowl Panels (P/B 201)
AMM 71-11-02-410-801-F00	Close the Fan Cowl Panels (P/B 201)
AMM 74-21-01-000-801-F00	Ignition Lead Removal (P/B 401)
AMM 74-21-01-400-801-F00	Ignition Lead Installation (P/B 401)

B. Consumable Materials

Reference	Description	Specification	
B00682 [CP2011]	Solvent - Stoddard	P-D-680 Type I, II or III	
B00683 [CP1008]	Solvent - Stabilized Trichloroethylene		
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EFFECTIVITY AKS ALL	SOURCE MRB	IGNITION LEADS	
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737-600/700/800/900 TASK CARDS

DATE			TAIL NUMBER STATION AIRLINE CARD NO. BOEING C									
TΔ	SK 74	-21-01-2	00-801.	-F00				N	ИЕСН	INS		
		_ead Ins										
	gure 1		•	_								
Α.	Ger	eral										
	(1)	(1) This task is to examine the condition of the ignition leads.										
	(2)	(2) The left ignition lead connects the left igniter plug with the bottom ignition exciter.										
	(3)	(3) The right ignition lead connects the right igniter plug with the top ignition exciter.										
В.	Prepare for the Inspection											
	SUBTASK 74-21-01-860-022-F00											
	(1) For Engine 1, open these circuit breakers and install safety tags:											
	CAPT Electrical System Panel, P18-2											
	Row Col Number Name											
		A A	1 3	C00458 C00153		IGNITION RI						
	SUBT				LITOINE	IONITION EL	-1 1					
	subtask 74-21-01-860-023-F00 (2) For Engine 2, open these circuit breakers and install safety tags:											
F/O Electrical System Panel, P6-2												
Row Col Number Name												
		D	4			IGNITION RI						
		D	6	C00151	ENGINE 2	IGNITION LE	FT					
	SUBTASK 74-21-01-040-001-F00											
	(3) Make sure that the start lever is in the CUTOFF position and install a DO-NOT-OPERATE tag.											
	SUBTASK 74-21-01-040-002-F00 (4) Make sure that the engine start switch is off and install a DO-NOT-OPERATE tag. SUBTASK 74-21-01-010-004-F00 (5) Open the left and right fan cowl panels (AMM TASK 71-11-02-010-801-F00).											
	SUBTASK 74-21-01-040-003-F00											
	WARNING: MAKE SURE THAT THE IGNITION EXCITERS ARE DE-ENERGIZED FOR A MINIMUM OF FIVE MINUTES BEFORE YOU START WORK ON THE IGNITION SYSTEM. THE IGNITION SYSTEM VOLTAGE IS DANGEROUSLY HIGH. DO NOT TOUCH THE ELECTRICAL CONTACTS. THE IGNITION EXCITERS CAN HAVE AN ELECTRICAL CHARGE EVEN WHEN NOT ENERGIZED. IF YOU DO NOT OBEY THIS PROCEDURE, INJURY TO PERSONS CAN OCCUR.											
	(6)		minimu the nex		nutes after y	ou remove po	wer from the ignition syst	em before				
		EFFECTI AKS A			SOURCE MRB	IGNITION LEA	ADS					

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DATE		-						EING CARD NO. 1-020-02-01				
	SUBTA	ASK 74-2	1-01-020-001-F0	00					MECH			
	CAL	JTION	THE IG	NITION LEA	AD WITH D	IRT OR GREA	OLS ARE CLEAN. DO NO SE ON HANDS OR TOC THE IGNITION LEAD.					
	(7)	Disc	onnect the	e ignition lea	ads from the	e aft side of the	ignition exciters.					
	(a) Put the protective covers on the ignition exciters.											
C.	lgni	tion L	ead Insp.	ection								
	SUBTASK 74-21-01-210-015-F00											
	(1)	Exar	mine the i	gnition excite	er end of th	e ignition lead.						
	(a) Signs of arcing, burning, or flash over are not permitted. Replace the lead (AMM TASK 74-21-01-000-801-F00 and AMM TASK 74-21-01-400-801-F00).											
	SUBTASK 74-21-01-900-002-F00											
	(2) If you find damage that is not in the limits, replace the ignition lead (AMM TASK 74-21-01-000-801-F00 and AMM TASK 74-21-01-400-801-F00).											
	SUBTASK 74-21-01-110-001-F00											
	(0)	QI.	CLEAN SPARI FLAMI EQUIF	NING SOLVI KS, FLAME MABLE AND PMENT.	ENT. KEEP AND HEAT) CAN CAU	THE CLEANIN THE CLEANII SE INJURY TO	D GLOVES WHEN YOU NG SOLVENT AWAY FRO NG SOLVENT IS POISON D PERSONS OR DAMAG	OM NOUS AND SE TO				
	(3)			tact with lint		G00834 that is	moist with solvent, B006	83 [CP1008]				
D.	Put the Airplane Back to Its Usual Condition											
	SUBTA		1-01-420-002-F0									
	(1)		•		_		t side of the ignition excite	er:				
		(a) Remove the protective cover from the ignition exciter.										
		(b) Connect the ignition lead to the aft side of the ignition exciter.										
		(c)	Tighten t Newton-		or nut on the	e ignition lead t	to 140-160 pound-inches	(16.0-18.0				
	SUBTASK 74-21-01-410-004-F00											
	(2) Do this task: Close the Fan Cowl Panels, AMM TASK 71-11-02-410-801-F00.											
	(3)		1-01-860-024-F0 Engine 1,		safety tags	and close thes	se circuit breakers:					
	CAPT Electrical System Panel, P18-2											
		Rov		Number 000450	Name ENGINE	4 IONITION D	IOLIT					
		A A		C00458 C00153		1 IGNITION RI 1 IGNITION LE						
		EFFE	CTIVITY		SOURCE	IGNITION LEA	ADS					



	DATE		TAIL NUMBER STATION			AIRLINE CARD NO. BOEING 74-02				
		04 000 005 50					74-020	MECH	INSP	
	(4) For E			afetv tags	and close these	circuit breakers:				
			l System Pan							
	Rov		-	<u>Name</u>						
	D	4			2 IGNITION RIG					
	D	6		ENGINE 2	2 IGNITION LEF	I				
	(5) Rem			RATE tags	from the start le	ever and the engine sta	rt switch.			
E.	Ignition L			2 11 – 10 go		To and and ongine ou				
	SUBTASK 74-21-01-700-004-F00									
	(1) Do the test(s) listed in the Power Plant Test Reference Table (AMM									
	TASŁ	< 71-00-0	0-800-811-F0	•						
				- END OF	TASK ———					
	EFFF(CTIVITY		SOURCE	IGNITION LEAD	ıs.				
		ALL		MRB	IGNITION LEAD					
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