# **CHAPTER**

# 73

# ENGINE FUEL AND CONTROL





### CHAPTER 73 ENGINE FUEL AND CONTROL

Subj	ect/Page	Date	COC	Subj	ect/Page	Date	COC	Subj	ect/Page	Date	COC
73-E	FFECTIVE	E PAGES		73-0	10-02-01	SYS (cont)		73-0	30-01-01	SYS (cont)	
	1 thru 2	JUN 15/2016		R	10	Jun 15/2016			7	Oct 15/2014	
73-0	10-01-01	SYS		R	11	Jun 15/2016			8	Oct 15/2014	
R	1	Jun 15/2016		R	12	Jun 15/2016			9	Oct 15/2014	
R	2	Jun 15/2016		R	13	Jun 15/2016			10	Jun 15/2015	
R	3	Jun 15/2016		R	14	Jun 15/2016			11	Oct 15/2015	
R	4	Jun 15/2016		R	15	Jun 15/2016			12	Oct 15/2015	
R	5	Jun 15/2016		R	16	Jun 15/2016			13	Oct 15/2015	
0	6	Jun 15/2016		R	17	Jun 15/2016			14	Oct 15/2015	
R	7	Jun 15/2016		R	18	Jun 15/2016			15	Oct 15/2015	
R	8	Jun 15/2016		R	19	Jun 15/2016			16	Oct 15/2014	
R	9	Jun 15/2016		R	20	Jun 15/2016			17	Jun 15/2015	
R	10	Jun 15/2016		Α	21	Jun 15/2016			18	Oct 15/2015	
R	11	Jun 15/2016		Α	22	Jun 15/2016		R	19	Jun 15/2016	
R	12	Jun 15/2016		Α	23	Jun 15/2016		R	20	Jun 15/2016	
R	13	Jun 15/2016		Α	24	Jun 15/2016		R	21	Jun 15/2016	
R	14	Jun 15/2016		73-0	20-01-01	SYS		R	22	Jun 15/2016	
R	15	Jun 15/2016			1	Jun 15/2015		R	23	Jun 15/2016	
R	16	Jun 15/2016			2	Feb 15/2015		73-0	30-02-01	SYS	
R	17	Jun 15/2016			3	Oct 15/2015		R	1	Jun 15/2016	
R	18	Jun 15/2016			4	Oct 15/2015			2	Jun 15/2015	
R	19	Jun 15/2016			5	Oct 15/2015			3	Jun 15/2015	
R	20	Jun 15/2016		R	6	Jun 15/2016		R	4	Jun 15/2016	
Α	21	Jun 15/2016		73-0	20-02-01	SYS			5	Oct 15/2014	
Α	22	Jun 15/2016			1	Jun 15/2015			6	Oct 15/2014	
Α	23	Jun 15/2016			2	Feb 15/2015			7	Oct 15/2014	
Α	24	Jun 15/2016			3	Oct 15/2015			8	Oct 15/2014	
73-0	10-02-01	SYS			4	Oct 15/2015			9	Oct 15/2014	
R	1	Jun 15/2016			5	Oct 15/2015			10	Jun 15/2015	
R	2	Jun 15/2016		R	6	Jun 15/2016			11	Oct 15/2015	
R	3	Jun 15/2016		73-0	30-01-01	SYS			12	Oct 15/2015	
R	4	Jun 15/2016		R	1	Jun 15/2016			13	Oct 15/2015	
R	5	Jun 15/2016			2	Jun 15/2015			14	Oct 15/2015	
0	6	Jun 15/2016			3	Jun 15/2015			15	Oct 15/2015	
R	7	Jun 15/2016		R	4	Jun 15/2016			16	Oct 15/2014	
R	8	Jun 15/2016			5	Oct 15/2014			17	Jun 15/2015	
R	9	Jun 15/2016			6	Oct 15/2014			18	Oct 15/2015	

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

# 73-EFFECTIVE PAGES





### CHAPTER 73 ENGINE FUEL AND CONTROL

Subj	ect/Page	Date	coc	Subject/Page	Date	COC	Subject/Page	Date	COC
	30-02-01	SYS (cont)							
R	19	Jun 15/2016							
R	20	Jun 15/2016							
R	21	Jun 15/2016							
R	22	Jun 15/2016							
R		Jun 15/2016							

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

# 73-EFFECTIVE PAGES





AIRLINE	CARD NO	REPLACE T	TITLE HE LEFT ENGINE	BOEING CARD NO. 73-010-01-01			
DATE	TASK REPLACE				RELATE	D CARD	
TAIL NUMBER	TAIL NUMBER WORK AREA LEFT ENGINE		VERSION THRESHOLD F 6000 FH 60		APPLICABILITY  AIRPLANE ENGINE		
STATION	SKILL AIRPL				ALL	ALL	
		ACCESS 413 414			ZONE <b>411</b>		

Replace the left engine fuel filter.

### 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 70-20-02-400-801-F00	Tightening Practices and Torque Values (P/B 201)
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)
FIM 73-05 TASK 801	Fuel FILTER BYPASS Light is On - Fault Isolation

### B. Consumable Materials

Reference	Description	Specification
B00676 [CP1041]	Alcohol - Isopropyl	CFM CP1041, TT-I-735
D00601 [CP2101]	High-temperature graphite compound	SAE AMS 2518
D00623 [CP5066]	Oil - Fuel System, Corrosion Preventive	MIL-PRF-6081, Grade 1010
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	BMS15-5 Class A
G02272	Fuel - Turbine, Aviation (Grades JP-4, JP-5, JP-5/JP-8ST)	MIL-DTL-5624
G02345 [CP8001]	Wire - Safety, 0.032 Inch (0.8 mm) Diameter	CFM CP8001, AMS 5687
G50065 [CP8006]	Cable, Safety, Stainless Steel, 0.032 inch (0.813 mm) Diameter	M50 TF 9 CL-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
STD-1154	Container - 5 Gallon (19 Liters)

EFFECTIVITY  AKS ALL	SOURCE MRB	REPLACE THE LEFT ENGINE FUEL FILTER	
, it's ALL	MIND		
		D633A109-AKS	Page 1 of 24
		73-010-01-01	Jun 15/2016



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

					TA	SK CARDS				
		DA	TE	TAIL NUMBER	3	STATION	AIRLINE CARD NO.	BOEING C.		
1	. <u>F</u>	uel l	Filter Rer	2-000-801-F00 moval re 2, Figure 3)					MECH	INS
	`_		_	2, 1 iguic 3)						
	P		<b>General</b> (1) Eacl	h engine has one t	fuel filter elem	ent on the fuel n	ımn assambly			
			. ,		idei ilitei eleiti	ent on the fuel pt	amp assembly.			
	-		-	for the Removal						
				:hese steps to prep	pare for the re	moval:				
		'	(i) 20 i (a)				SK 24-22-00-860-811.			
			(b)	Make sure the er						
			(2)				oplicable engine start lev	er.		
			(c)	•	NG VALVE CL	OSED (engine fu	uel shutoff valve) light on			
				the valve	e is in transitio	n or does not agr	re has three positions: Boree with the commanded when the valve is opene	position;		
			(d)	Make sure the SI panel) is dim.	PAR VALVE C	CLOSED light on t	the fuel control panel (P	overhead		
				in transit	ion or does no		ee positions: Bright wher commanded position; Die is opened.			
			(e)	Do this task: Rer	nove Electrica	I Power, AMM TA	ASK 24-22-00-860-812.			
			` ,	electrical	l and fluid con	nectors. You can electrical and flu	ecessary while you disc reapply electrical power id connectors are discor	to the		
					that the BAT s PERATE tag.	witch on panel P	5-13 is set to OFF and in	nstall a		
			(f)	Do this task: Ope	en the Fan Co	wl Panels, AMM	TASK 71-11-02-010-801	-F00.		
	C	). I	Fuel Filte	er Removal						
			AKS ALL	PRE SB CFM56-7	B-73A034					
		ļ	NOTE: T	here are different	configurations	of the fuel filter of	cover.			
		Ī	h		s canceled. It	•	achment (bolts and fuel d by SB CFM56-7B-73-/			
				POST SB CFM56- 56-7B-73-0212	7B-73A034 OI	R WITH 828300-5	FUEL PUMP OR POST	SB		
				1-02-020-001-F00 hese steps to rem	ove the fuel fil	ter cover:				
				ECTIVITY S ALL	source MRB	REPLACE THE	E LEFT ENGINE FUEL FIL	TER		
						D633A109-AK	S		age 2	

73-010-01-01



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

DATE		TAI	L NUMBER		STATION	AIRLINE CARD NO.	73-010		
				.034 AND (	WITH 828300-5	FUEL PUMP OR POST	SB	MECH	INSF
737-CFM: NO	<u>TE</u> : T D ir	his Su Head sert (′	btask is for ell bolts, five re	etaining rin to the fuel	gs, five washe	filter cover attachment rs, five nuts and one bo (the main fuel pump rev	It with its		
AKS ALL 737-CFM				A034 OR V	VITH 828300-5	FUEL PUMP OR POST	SB		
WA	RNIN	DC AV FL	NOT BREA VAY FROM S	ATHE THE SPARKS, F LIQUID, TH	FUMES FROM LAME, AND H HAT CAN CAUS	OR EYES, OR ON YO I THE FUEL. KEEP TH EAT. FUEL IS A POISO SE INJURIES TO PERS	E FUEL NOUS AND		
(a)	Do t	hese s	steps to drain	n the fuel s	ystem:				
	1)	Put t	he 5 gallon (	19 liter) co	ntainer, STD-1	154 under the fuel pum	p assembly.		
	2)	Cut a	and remove	the safety	wire or cable fro	om the drain plug [4].			
	3)			_	rom the fuel filte				
		a)	Let the fuel	drain in the	e container.				
	4)	Rem	ove and disc	card the pa	cking [5] from t	he drain plug [4].			
		a)	Keep the dr	ain plug [4	] for the installa	ation.			
(b)			ne MW0312 over [6].	wire harne	ss from the On	nega clip that is just to t	he left of the		
(c)	Do t	hese s	steps to rem	ove the fue	el filter cover [6]	<b>:</b>			
	1)	Loos cove		ove the bol	t [2] and the fla	t washer [3] that hold th	ne fuel filter		
		a)	Do an inspe	ection of the	e bolt [2] for sig	ns of thread damage.			
			<1> If the	ere is dama	ige, discard and	d replace it.			
		b)	Do an inspe flatness cor		e flat washer [3	s] for signs of damage (ı	nicks,		
			<1> If the	ere is dama	ige, discard and	d replace it.			
	2)		en and remo ilter cover [6		nuts [15] and	five flat washers [14] th	at hold the		
		NOT	E: The five	D-Head bo	lts [12] are cap	tive in the fuel filter cov	er housing.		
		a)	Do an inspe	ection of the	e nuts [15] for s	signs of thread damage			
			<1> If the	ere is dama	ige, discard and	d replace them.			
		b)	Do an inspe flatness cor		e flat washers [	[14] for signs of damage	e (nicks,		
			<1> If the	ere is dama	ige, discard and	d replace them.			
	ECTIVITY			SOURCE MRB	REPLACE THE	LEFT ENGINE FUEL FIL	TER		
					D633A109-AKS	<b>.</b>	Р	age 3	of 2

73-010-01-01



DATE		TA	IL NUMBER		STATION	AIRLINE CARD NO.	BOEING C.		
(S ALL POST SB CF 7-CFM56-7B-73-021				VITH 82830	00-5 FUEL PUMI	P OR POST SB		MECH	INSP
	3)		,	filter cover	[6] from the fue	el filter housing			
	• ,		E: When yo		the fuel filter cov	ver [6], the filter elemen	t [11]		
		a)	Do an inspe	ection of th	e main fuel pum	np housing insert for sig movement, and the thre			
				-	one insert in the jacent to the nai	main fuel pump housir meplate.	ng, located		
					fuel pump, if the SB CFM56-7B-7	insert is damaged, rep	lace the fuel		
AKS ALL W	VITH	8283	00-5 FUEL P	UMP AND	PRE SB 737-CF	M56-7B-73-0212			
					fuel pump, if the SB CFM56-7B-7	insert is damaged, rep 73-0212.	lace the fuel		
AKS ALL P	OST	SB 7	37-CFM56-7	B-73-0212					
			<3> For 8 pum		fuel pump, if the	insert is damaged, rep	lace the fuel		
AKS ALL P 737-CFM56				A034 OR \	WITH 828300-5 I	FUEL PUMP OR POST S	SB		
		b)	•		e attached parts				
			<1> Do a	•	on of the five D-I	Head bolts [12] for signs	s of		
			<a></a>		s damage, disca g ring [13].	ard and replace them w	ith their		
	4)	Rem	ove and disc	card the pa	acking [7] from th	ne fuel filter cover [6].			
	5)	Rem	ove the fuel	filter eleme	ent [11] from the	fuel filter cover [6].			
		a)	Do the insp	ection of th	ne fuel filter cove	er [6] for contamination.			
		b)	Do the insp	ection the	fuel filter eleme	nt [11] for contaminatior	١.		
			<1> If you	u find usua	l contamination				
			<a></a>			ment [11] and the pack attached to the filter el	0		
						the packing [1] and the the fuel filter element [1 r housing.			
		c)	If you find la	arge quant	ities of contamir	nation.			
			<1> Do th	nis task: FI	M 73-05 TASK 8	301.			
EFFEC'				SOURCE MRB	REPLACE THE	LEFT ENGINE FUEL FIL	TER		
					D633A109-AKS 73-010-01-01			age 4 un 15/	
				l	1				



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

	DATE			TA	AIL NUMBER		STATION	AIRLINE CARD NO.	73-010		
	AKS	ALL	POST	SB	CFM56-7B-73	-079				MECH	INSP
	SUBTAS	SK 73-1	1-02-020-	-002-F00							
	WAR	NIN	BF WI HE	REAT HEN EAT. F	HE THE FUN YOU USE FU FUEL IS POIS	MES FROM JEL. KEEF SONOUS /	THE FUEL. P FUEL AWAY F	S, OR ON YOUR SKIN. UT ON GOGGLES, AN FROM SPARKS, FLAM BLE. FUEL CAN CAUSI IENT.	D GLOVES E, AND		
	<u>NOTE</u>	b s	olts, fi elf-aliç	ve regning	taining rings,	five flat wa	ashers, five nut	cover attachment with a s and one bolt with one main fuel pump rework	washer, one		
	(2)	Do t	hese	steps	to remove th	ne fuel filte	r cover [6].				
		(a)	Do tl	hese	steps to drain	n the fuel s	system:				
			1)	Put	the 5 gallon (	19 liter) co	ntainer, STD-11	154 under the fuel pum	p assembly.		
			2)	Cut	and remove	the safety	wire or cable fro	om the drain plug [4].			
			3)	Ren	nove the drain	n plug [4] f	rom the fuel filte	er cover [6].			
				a)	Let the fuel	drain in th	e container.				
I			4)	Ren		•		he drain plug [4].			
				a)	-		] for installation				
		(b)			he MW0312 cover [6].	wire harne	ess from the Om	ega clip that is just to t	he left of the		
		(c)	Do tl	hese	steps to rem	ove the fue	el pump filter co	ver [6]:			
			1)		sen and remo filter cover [6		e nuts [15] and t	he five washers [14] th	at hold the		
				NOT	E: If there is	damage,	discard and rep	place them.			
				a)	Do an inspe	ection of nu	uts [15] for signs	of thread damage.			
					<1> If the	re is dama	age, discard and	l replace it.			
				b)	Do an inspecton condition).	ection of fla	at washers [14]	for signs of damage (ni	cks, flatness		
					<1> If the	re is dama	age, discard and	replace it.			
			2)					ashers [17], the self-ali nat hold the fuel filter co	~ ~		
				a)	Do an inspe	ection of th	e bolt [16] for si	gns of thread damage.			
					<1> If the	re is dama	age, discard and	replace it.			
				b)	Do an inspe		e flat washer [1	7] for signs of damage	(nicks,		
					<1> If the	re is dama	age, discard and	l replace it.			
				c)	Do an inspe			vasher [18] for signs of	thread and		
					•	_	nge, discard and	l replace it.			
			ECTIVITY			SOURCE MRB	REPLACE THE	LEFT ENGINE FUEL FIL	TER		
							D633A109-AKS	;	P	age 5	of 24

73-010-01-01



DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING 0 73-010		
AKS ALL POST SB CF	-M56-	7B-73-079 (Contin	ued)				MECH	INSP
		d) Do an inspec			ut [19] for signs of threa	ad and		
		<1> If there	e is dama	ige, discard and	l replace it.			
	3)	Remove the fuel fil	lter cover	[6] from the fue	el filter housing.			
	į	NOTE: When you remains at			ver [6], the fuel filter ele	ment [11]		
		a) Do an inspec	tion of th	e attached parts	s as follows:			
		<1> Do an damaç		on of the five D-l	Head bolts [12] for sign:	s of thread		
		<a></a>		s damage, disca ı rings [13].	ard and replace them w	ith the		
	4)	Remove and disca	ird the pa	cking [7] from the	ne fuel filter cover [6].			
	•				fuel filter cover [6].			
	•	Do an inspection o						
	,	•		-	[1] for contamination.			
		a) If you find us			441	. 1		
		attach	ed to the	fuel filter eleme				
		<u>NOTE</u>	•	•	ckings are attached to the tuck in the fuel filter hou			
	8)	lf you find large qu						
		a) Do this task:	FIM 73-0	5 TASK 801.				
AKS ALL								
			END OF	TASK ——				
EFFEC* AKS			SOURCE MRB	REPLACE THE	LEFT ENGINE FUEL FIL	TER		
				D633A109-AKS 73-010-01-01			age 6 Jun 15/	
				1				



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

				IAS	K CARDS					
	ı	DATE	TAIL NUMBER		STATION	AIR	LINE CARD NO.		CARD NO. 0-01-01	
		6K 73-11-02-40							MECH	INSF
2.		I Filter Install								
	(Fig	ure 1, Figure 2	2, Figure 3)							
	A.	Expendable	s/Parts							
		AMM Item	Description		AIPC Refe		AIPC Effective	vity		
		1	Packing		73-11-01-01					
		4	Plug		73-11-01-01					
		7	Packing		73-11-01-01					
		10	Packing		73-11-01-0 <sup>2</sup>					
		11	Filter element		73-11-01-0 <sup>2</sup>	1A-215	AKS ALL			
	В.	Prepare for	the Installation							
		SUBTASK 73-11-02-	840-002-F00							
		(1) Do thes	se steps to prepare f	or the insta	ıllation:					
		WARNI	YOU DO NOT	. DO NOT OBEY THI	MABLE. DO NO BREATHE THE ESE INSTRUCT AND DAMAGE	FUMES TONS,	S OF THE SOL YOU CAN CAU	VENT. IF JSE		
		WARNI	NG: ISOPROPYLA PROTECTION		IS TOXIC AND I					
		` '	se fuel, G02272 or a e fuel filter housing a			and cott	on wiper, G000	34 to clean		
		` '	kamine all mating su ure that they are clea		•		uel filter housin	ng to make		
	C.	Fuel Filter Ir	nstallation							
		AKS ALL PO 737-CFM56-7	ST SB CFM56-7B-73 'B-73-0212	A034 OR \	WITH 828300-5	FUEL P	JMP OR POST	SB		
		SUBTASK 73-11-02-	420-001-F00							
		(1) Do thes	se steps to install the	fuel filter:						
		NOTE:	There are different	configuration	ons of the fuel fi	Iter cov	er [6].			
		<u>NOTE</u> :	The original design housing inserts) wa and SB CFM56-7B-	s cancelled						
		(a) In	stall the packing [7] i	n the fuel t	filter cover [6]:					
		w	ARNING: DO NOT POISON		TAY ON YOUR ERIALS FROM					
		1	) Lubricate a new	packing [7]	with oil, D0062	3 [CP50	066].			
		2	) Install the packin	g [7] in the	groove of the fo	uel filter	cover [6].			
		EFFECTIV	/ITY	SOURCE	REPLACE THE	LEFT F	NGINE FUFL FI	LTER		
		AKS A	LL	MRB		<u></u> ,		· <del> •</del>		
					D633A109-AKS				Page 7	

73-010-01-01



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	73-010		
AKS ALL	PRE S	B CFM56-7B-73-	 078 AND (∣	POST SB CFM5	 56-7B-73A034 OR WITH 8	× 828300-5	MECH	INS
FUEL PU	MP OR	POST SB 737-CI	FM56-7B-7	<b>'3-0212</b> )				
(b)		cate and install the ent [11]:	ne new pad	cking [1] and ne	ew packing [10] on the ne	ew fuel filter		
	•	Lubricate the nev						
	,	Install the packin element [11].	ıg [1] in the	e groove at the	top of the new fuel filter			
	•	Lubricate the pac			-			
	,	Install the packin element [11].	ig [10] in th	ne groove at the	e bottom of the fuel filter			
AKS ALL FUEL PU	POST MP OR	SB CFM56-7B-73 POST SB 737-CI	3-078 AND FM56-7B-7	(POST SB CFN '3-0212)	156-7B-73A034 OR WITH	l 828300-5		
(c)					ment [11] with oil, D0062			
	NOTI	E: The packings the new fuel fi			ne manufacturer in their	grooves on		
AKS ALL 737-CFM			3A034 OR	WITH 828300-5	FUEL PUMP OR POST	SB		
(d)	Lightl [CP2	•	reads of th	ne bolt [2] with g	graphite compound, D00	601		
(e)		y lubricate the th 01 [CP2101].	reads of th	ne five D-Head	bolts [12] with graphite c	ompound,		
CAI	<u>UTION:</u>	CORRECTLY II	NSTALLEI THE RETA	O ON THE FUE INING RING AI	S AND THE RETAINING EL FILTER COVER. IF TI RE NOT CORRECTLY II BE DAMAGED.	HE WAVE		
(f)		sure that the wa ne fuel filter cove		[8] and the reta	ining ring [9] are correctl	y installed		
FUEL PU	MP OR	POST SB 737-CI	FM56-7B-7	<b>'3-0212</b> )	56-7B-73A034 OR WITH	828300-5		
(g)		-			fuel filter cover [6].			
	•	packing at the filt	ter cover/p	acking interface				
	,	Make sure that the fuel filter elemen		ı [10] stays in it	s correct position in the o	groove in the	:	
		Make sure that the fuel filter cover [6		[7] stays in its	correct position in the gr	roove in the		
	4)	Make sure that th	he fuel filte	er element [11] o	does not move.			
		SB CFM56-7B-73 POST SB 737-C			156-7B-73A034 OR WITH	l 828300-5		
(h)	Care	ully install the fue	el filter elei	ment [11] in the	fuel filter cover [6].			
	ECTIVITY		SOURCE MRB	REPLACE THE	E LEFT ENGINE FUEL FIL	TER		
				D633A109-AK	S		age 8 (	

73-010-01-01



	DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C.		
	AKS ALL POST SB CF OR POST SB 737-CFM	M56-7B-73-078 AND (P I56-7B-73-0212) (Contir	OST SB (	CFM56-7B-73A0	034 OR WITH 828300-5	FUEL PUMP	MECH	INSP
		Look down the cer packing at the filte		-	11] for signs of extrusio	n and/or cut		
	2	Adjust the tabs of the states of the st	the fuel fi	Iter element [11]	to the fuel filter cover.			
	;	3) Make sure that the	e packings	s stay in their gr	ooves in the fuel filter e	element [11].		
ı	4	<ol> <li>Make sure that the fuel filter cover [6].</li> </ol>		[7] stays in its o	correct position in the gr	roove in the		
	!	5) Make sure that the	e fuel filter	r element [11] de	oes not move.			
	AKS ALL PO 737-CFM56-	OST SB CFM56-7B-73A -7B-73-0212	034 OR V	VITH 828300-5 I	FUEL PUMP OR POST	SB		
I	. ,	Carefully install the fuel ilter housing.	filter cove	er [6] and the fu	el filter element [11] into	the fuel		
		<ol> <li>Make sure that the the fuel filter housi</li> </ol>		r element [11] is	correctly installed on the	ne guide of		
	AKS ALL PO FUEL PUMF	OST SB CFM56-7B-73-0 P OR POST SB 737-CFM	078 AND ( M56-7B-7	(POST SB CFM: 3-0212)	56-7B-73A034 OR WITH	ł 828300-5		
	:	2) Adjust the tabs of	the fuel fi	Iter element [11]	to the ribs of the fuel f	ilter housing.		
	AKS ALL PO 737-CFM56-	OST SB CFM56-7B-73A -7B-73-0212	034 OR V	VITH 828300-5 I	FUEL PUMP OR POST	SB		
I	;	<ol><li>Make sure that the housing.</li></ol>	e fuel filtei	cover [6] is cor	rectly engaged into the	fuel filter		
		Before the bolt installation he housing flange.	on, make	sure that the co	over is correctly installe	d against		
	<u>r</u>	NOTE: Do not use the l will occur. A woo necessary.			filter cover. Damage on y help to engage the co			
		nstall the five retaining he five D-Head bolts [1:						
I		1) Make sure that the	e nuts [15]	screw freely by	y hand as follows:			
		NOTE: No tool is	•					
		,		nimum of two fu				
				part is in a good hten the nut.	l condition, it should no	t be possible		
	AKS A		SOURCE MRB	REPLACE THE	LEFT ENGINE FUEL FIL	TER		
				D633A109-AKS 73-010-01-01			age 9 ( un 15/	



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

CAUTION: BE CAREFUL AS YOU TIGHTEN THE BOLTS THAT HOLD THE FUEL FILTER COVER TO THE HOUSING. MAKE SURE THAT YOU USE PROPER TORQUE TECHNIQUES AS YOU TIGHTEN THE BOLTS. IF YOU DO NOT USE PROPER TORQUE TECHNIQUES AS YOU TIGHTEN THE BOLTS. IF YOU DO NOT USE PROPER TORQUE TECHNIQUES, YOU CAN CAUSE DAMAGE TO THE FUEL FILTER COVER OR CAUSE A FUEL LEAK.  2) Tighten the five nuts [15] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (I) Install the bolts [2] and the flat washer [3] that hold the fuel filter cover [6] to the fuel filter housing.  NOTE: Only one bolt is used in the hole adjacent to the nameplate.  1) Make sure that the bolt engages freely by hand as follows:  NOTE: No tool is permitted.  a) Hold the bolt head between your fingers, and turn the bolt for a minimum of two full turns.  <1> If the insert is in a good condition, it should not be possible to fully hand tighten the bolt.  CAUTION: TIGHTEN THE BOLTS TO THE CORRECT TORQUE. THE INCORRECT TORQUE CAN CAUSE DAMAGE TO THE COMPONENTS. LARGE QUANTITIES OF FUEL LEAKAGE WILL OCCUR.  2) Tighten the bolt [2] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  (n) Install the drain plug [4] on the fuel filter cover [6]:  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.		DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C. 73-010-		
FILTER COVER TO THE HOUSING. MAKE SURE THAT YOU USE PROPER TORQUE TECHNIQUES, AS YOU TIGHTEN THE BOLTS. IF YOU DO NOT USE PROPER TORQUE TECHNIQUES, YOU CAN CAUSE DAMAGE TO THE FUEL FILTER COVER OR CAUSE A FUEL LEAK.  2) Tighten the five nuts [15] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (i) Install the bolts [2] and the flat washer [3] that hold the fuel filter cover [6] to the fuel filter housing.  NOTE: Only one bolt is used in the hole adjacent to the nameplate.  1) Make sure that the bolt engages freely by hand as follows:  NOTE: No tool is permitted.  a) Hold the bolt head between your fingers, and turn the bolt for a minimum of two full turns.  <1> If the insert is in a good condition, it should not be possible to fully hand tighten the bolt.  CAUTION: TIGHTEN THE BOLTS TO THE CORRECT TORQUE. THE INCORRECT TORQUE CAN CAUSE DAMAGE TO THE COMPONENTS. LARGE QUANTITIES OF FUEL LEAKAGE WILL OCCUR.  2) Tighten the bolt [2] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  BESECURITY  ARS ALL  REPLACE THE LEFT ENGINE FUEL FILTER  MRB  REPLACE THE LEFT ENGINE FUEL FILTER  BASA110-AKS  Page 10 on the graph of t				/ITH 82830	00-5 FUEL PUM	P OR POST SB		MECH	INSP
2) Tighten the five nuts [15] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (i) Install the bolts [2] and the flat washer [3] that hold the fuel filter cover [6] to the fuel filter housing.  NOTE: Only one bolt is used in the hole adjacent to the nameplate.  1) Make sure that the bolt engages freely by hand as follows:  NOTE: No tool is permitted.  a) Hold the bolt head between your fingers, and turn the bolt for a minimum of two full turns.  <1> If the insert is in a good condition, it should not be possible to fully hand tighten the bolt.  CAUTION: TIGHTEN THE BOLTS TO THE CORRECT TORQUE. THE INCORRECT TORQUE CAN CAUSE DAMAGE TO THE COMPONENTS. LARGE QUANTITIES OF FUEL LEAKAGE WILL OCCUR.  2) Tighten the bolt [2] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  (n) Install the drain plug [4] on the fuel filter cover [6]:  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the tarin plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].		9	FILTER CO PROPER YOU DO N CAUSE DA	OVER TO TORQUE NOT USE I	THE HOUSING TECHNIQUES A PROPER TORG	6. MAKE SURE THAT Y AS YOU TIGHTEN THE QUE TECHNIQUES, YO	OU USE BOLTS. IF OU CAN		
NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (I) Install the bolts [2] and the flat washer [3] that hold the fuel filter cover [6] to the fuel filter housing.  NOTE: Only one bolt is used in the hole adjacent to the nameplate.  1) Make sure that the bolt engages freely by hand as follows:  NOTE: No tool is permitted.  a) Hold the bolt head between your fingers, and turn the bolt for a minimum of two full turns.  <1> If the insert is in a good condition, it should not be possible to fully hand tighten the bolt.  CAUTION: TIGHTEN THE BOLTS TO THE CORRECT TORQUE. THE INCORRECT TORQUE CAN CAUSE DAMAGE TO THE COMPONENTS. LARGE QUANTITIES OF FUEL LEAKAGE WILL OCCUR.  2) Tighten the bolt [2] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  (n) Install the drain plug [4] on the fuel filter cover [6]:  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].				uts [15] to	70 in-lb (8 N·m	) – 80 in-lb (9 N·m).			
filter housing.  NOTE: Only one bolt is used in the hole adjacent to the nameplate.  1) Make sure that the bolt engages freely by hand as follows:  NOTE: No tool is permitted.  a) Hold the bolt head between your fingers, and turn the bolt for a minimum of two full turns.  <1> If the insert is in a good condition, it should not be possible to fully hand tighten the bolt.  CAUTION: TIGHTEN THE BOLTS TO THE CORRECT TORQUE. THE INCORRECT TORQUE CAN CAUSE DAMAGE TO THE COMPONENTS. LARGE QUANTITIES OF FUEL LEAKAGE WILL OCCUR.  2) Tighten the bolt [2] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the drain plug [4] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].	•		NOTE: Refer to t	this task (A	•	, , ,	the torque		
1) Make sure that the bolt engages freely by hand as follows:  NOTE: No tool is permitted.  a) Hold the bolt head between your fingers, and turn the bolt for a minimum of two full turns.  <1> If the insert is in a good condition, it should not be possible to fully hand tighten the bolt.  CAUTION: TIGHTEN THE BOLTS TO THE CORRECT TORQUE. THE INCORRECT TORQUE CAN CAUSE DAMAGE TO THE COMPONENTS. LARGE QUANTITIES OF FUEL LEAKAGE WILL OCCUR.  2) Tighten the bolt [2] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  (n) Install the drain plug [4] on the fuel filter cover [6]:  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  REPLACE THE LEFT ENGINE FUEL FILTER  MRB  REPLACE THE LEFT ENGINE FUEL FILTER  D633A109-AKS  Page 10 to	I	. ,		the flat wa	asher [3] that ho	old the fuel filter cover [6	6] to the fuel		
NOTE: No tool is permitted.  a) Hold the bolt head between your fingers, and turn the bolt for a minimum of two full turns.  <1> If the insert is in a good condition, it should not be possible to fully hand tighten the bolt.  CAUTION: TIGHTEN THE BOLTS TO THE CORRECT TORQUE. THE INCORRECT TORQUE CAN CAUSE DAMAGE TO THE COMPONENTS. LARGE QUANTITIES OF FUEL LEAKAGE WILL OCCUR.  2) Tighten the bolt [2] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  (n) Install the drain plug [4] on the fuel filter cover [6]:  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  PEFFECTIMITY AKS ALL  BOURCE MRB  REPLACE THE LEFT ENGINE FUEL FILTER  D633A109-AKS  Page 10 to 10 processible to fully pr		<u> </u>	NOTE: Only one bolt is	s used in t	he hole adjacer	nt to the nameplate.			
a) Hold the bolt head between your fingers, and turn the bolt for a minimum of two full turns.  <1> If the insert is in a good condition, it should not be possible to fully hand tighten the bolt.  CAUTION: TIGHTEN THE BOLTS TO THE CORRECT TORQUE. THE INCORRECT TORQUE CAN CAUSE DAMAGE TO THE COMPONENTS. LARGE QUANTITIES OF FUEL LEAKAGE WILL OCCUR.  2) Tighten the bolt [2] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  (n) Install the drain plug [4] on the fuel filter cover [6]:  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6]:  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  EFFECTIVITY AKS ALL  REPLACE THE LEFT ENGINE FUEL FILTER  D633A109-AKS  Page 10 o			1) Make sure that th	e bolt eng	ages freely by h	nand as follows:			
of two full turns.  <1> If the insert is in a good condition, it should not be possible to fully hand tighten the bolt.  CAUTION: TIGHTEN THE BOLTS TO THE CORRECT TORQUE. THE INCORRECT TORQUE CAN CAUSE DAMAGE TO THE COMPONENTS. LARGE QUANTITIES OF FUEL LEAKAGE WILL OCCUR.  2) Tighten the bolt [2] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  (n) Install the drain plug [4] on the fuel filter cover [6]:  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  REPLACE THE LEFT ENGINE FUEL FILTER  AKS ALL  REPLACE THE LEFT ENGINE FUEL FILTER			NOTE: No tool is	permitted	l.				
hand tighten the bolt.  CAUTION: TIGHTEN THE BOLTS TO THE CORRECT TORQUE. THE INCORRECT TORQUE CAN CAUSE DAMAGE TO THE COMPONENTS. LARGE QUANTITIES OF FUEL LEAKAGE WILL OCCUR.  2) Tighten the bolt [2] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  (n) Install the drain plug [4] on the fuel filter cover [6]:  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  EFFECTIVITY AKS ALL  BOURCE MRB  REPLACE THE LEFT ENGINE FUEL FILTER  Page 10 of the document of the cover [6] and the co			,		ween your finge	ers, and turn the bolt for	a minimum		
INCORRECT TORQUE CAN CAUSE DAMAGE TO THE COMPONENTS. LARGE QUANTITIES OF FUEL LEAKAGE WILL OCCUR.  2) Tighten the bolt [2] to 70 in-lb (8 N·m) – 80 in-lb (9 N·m).  NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  (n) Install the drain plug [4] on the fuel filter cover [6]:  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  EFFECTIVITY AKS ALL  REPLACE THE LEFT ENGINE FUEL FILTER  D633A109-AKS  Page 10 of					-	on, it should not be pos	sible to fully		
NOTE: Refer to this task (AMM TASK 70-20-02-400-801-F00), for the torque techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  (n) Install the drain plug [4] on the fuel filter cover [6]:  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  EFFECTIVITY AKS ALL  REPLACE THE LEFT ENGINE FUEL FILTER  Page 10 of		<u>(</u>	INCORRE COMPONI	CT TORQ	UE CAN CAUS	E DAMAGE TO THE			
techniques.  (m) Install the MW0312 wire harness in the Omega clip that is immediately to the left of the fuel filter cover [6].  (n) Install the drain plug [4] on the fuel filter cover [6]:  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  REPLACE THE LEFT ENGINE FUEL FILTER  Page 10 of	ı		2) Tighten the bolt [2	2] to 70 in-	lb (8 N·m) – 80	in-lb (9 N·m).			
the fuel filter cover [6].  (n) Install the drain plug [4] on the fuel filter cover [6]:  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  REPLACE THE LEFT ENGINE FUEL FILTER  MRB  Page 10 of				•	AMM TASK 70-2	20-02-400-801-F00), for	the torque		
WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  EFFECTIVITY AKS ALL  BOURCE MRB  REPLACE THE LEFT ENGINE FUEL FILTER  D633A109-AKS  Page 10 of	ı	. ,		e harness	in the Omega	clip that is immediately t	to the left of		
POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  1) Lubricate a new packing [5] with oil, D00623 [CP5066].  2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  EFFECTIVITY AKS ALL  SOURCE MRB  REPLACE THE LEFT ENGINE FUEL FILTER  D633A109-AKS  Page 10 of	I	(n) l	Install the drain plug [4	] on the fu	el filter cover [6]	]:			
2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  EFFECTIVITY AKS ALL  SOURCE MRB  REPLACE THE LEFT ENGINE FUEL FILTER  D633A109-AKS  Page 10 of		Ī							
2) Install the packing [5] in the groove of the drain plug [4].  3) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066].  4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  EFFECTIVITY AKS ALL  SOURCE MRB  REPLACE THE LEFT ENGINE FUEL FILTER  D633A109-AKS  Page 10 of			1) Lubricate a new p	acking [5]	with oil, D0062	3 [CP5066].			
4) Install the drain plug [4] in the fuel filter cover [6].  a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  EFFECTIVITY AKS ALL  SOURCE MRB  REPLACE THE LEFT ENGINE FUEL FILTER  D633A109-AKS  Page 10 of			2) Install the packing	g [5] in the	groove of the d	lrain plug [4].			
a) Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lb (6 N·m).  5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  EFFECTIVITY AKS ALL  SOURCE MRB  REPLACE THE LEFT ENGINE FUEL FILTER  D633A109-AKS  Page 10 of			3) Lubricate the thre	ads of the	drain plug [4] w	vith oil, D00623 [CP506	6].		
5) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  EFFECTIVITY AKS ALL  SOURCE MRB  REPLACE THE LEFT ENGINE FUEL FILTER  D633A109-AKS  Page 10 of	I		4) Install the drain p	lug [4] in tl	ne fuel filter cov	er [6].			
drain plug [4].  EFFECTIVITY AKS ALL  SOURCE MRB  REPLACE THE LEFT ENGINE FUEL FILTER  D633A109-AKS  Page 10 o	I		, -		`	,	•		
AKS ALL MRB D633A109-AKS Page 10 o	I		,	wire, G023	345 [CP8001] or	cable, G50065 [CP800	06] on the		
					REPLACE THE	LEFT ENGINE FUEL FIL	TER		
							· ·	_	



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

	DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	73-010				
	AKS ALL P	POST SB CFM56-7B-73	-079			•	MECH	INSP		
	SUBTASK 73-11-	02-420-002-F00								
	WARNING		AN BE PC	ISONOUS IF T	E SYNTHETIC OIL CON HEY ARE ABSORBED 'S ON THE SKIN.					
ı	(2) Do th	ese steps to install the	fuel filter of	cover [6].						
		D-Head bolts [12], fi one bolt [16], one fla self-aligning nut [19] Install the packing [7] in	ve retaining twasher     (the maing the	ng rings [13], fiv [17], one self-ali n fuel pump rew filter cover [6].	filter cover attachment e flat washers [14], five igning washer [18], and orked by SB CFM56-7E	nuts [15], one				
ı		) Lubricate the packing [7] with oil, D00623 [CP5066]. 2) Install the packing [7] in the groove of the fuel filter cover [6].								
	(b)	filter element [11].	e new pac	king [1] and the	e new packing [10] on th	ne new fuel				
		<ol> <li>Lubricate the new</li> <li>Install the packing element [11].</li> </ol>		•	623 [CP5066]. op of the new fuel filter					
		<ul><li>3) Lubricate the new</li><li>4) Install the packing element [11].</li></ul>		-	0623 [CP5066]. bottom of the new fuel	filter				
	AKS ALL P	OST SB CFM56-7B-73	-078 AND	POST SB CFM5	66-7B-73-079					
	• •		are alread	y installed by th	ent [11] with oil, D0062 e manufacturer in their					
	AKS ALL P	OST SB CFM56-7B-73	-079							
I		graphite compound, Do	00601 [CP	2101].	he self-aligning washer					
ı		Lightly lubricate the thr D00601 [CP2101].	eads of th	e five D-Head b	oolts [12] with graphite o	compound,				
	.,	into the fuel filter cover	[6].		ning ring [9] are correct the retaining ring [9] are					
		installed on the	e fuel filter	cover [6]. If the	wave spring [8] and the el filter element [11] cou	e retaining				
	AKS ALL P	PRE SB CFM56-7B-73-0	78 AND P	OST SB CFM56	-7B-73-079					
I	(g)	Carefully install the fue	l filter eler	nent [11] on the	fuel filter cover [6].					
	EFFEC <b>AKS</b>	ETIVITY S ALL	SOURCE MRB	REPLACE THE	LEFT ENGINE FUEL FIL	TER.				
				D633A109-AKS	;		ge 11			

73-010-01-01



	DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA		
	AKS ALL PRE SB CFM	//156-7B-73-078 AND P	OST SB CF	M56-7B-73-079	(Continued)		MECH	INSP
		Make sure that the fuel filter element		[10] stays in its	correct position in the g	groove in the		
		2) Make sure that the fuel filter cover [6]		[7] stays in its o	correct position in the gr	oove in the		
		3) Make sure that the	ne fuel filte	r element [11] d	oes not move.			
	AKS ALL P	OST SB CFM56-7B-73	-078 AND	POST SB CFM5	66-7B-73-079			
	(h) (	Carefully install the fue	el filter eler	nent [11] on the	fuel filter cover [6].			
		1) Adjust the tabs o	f the fuel fi	Iter element [11]	to the fuel filter cover.			
		2) Make sure that the	ne packing	s stay in their gr	ooves in the fuel filter e	lement [11].		
ı		<ol> <li>Make sure that the fuel filter cover [6]</li> </ol>		[7] stays in its o	correct position in the gr	oove in the		
		4) Make sure that the	ne fuel filte	r element [11] d	oes not move.			
	AKS ALL P	OST SB CFM56-7B-73	3-079					
I		Carefully install the fue filter housing.	el filter cove	er [6] with its fue	el filter element [11] into	the fuel		
		<ol> <li>Make sure that the fuel filter hou</li> </ol>		r element [11] is	correctly installed on the	ne guide of		
	AKS ALL P	OST SB CFM56-7B-73	-078 AND	POST SB CFM5	66-7B-73-079			
					to the ribs of the fuel fi	Iter housing.		
	AKS ALL P	OST SB CFM56-7B-73						
I				r cover [6] is co	rrectly engaged into the	fuel filter		
		insert wil		vood or plastic l	e the filter cover. Dama nammer may help to en	•		
		Before the bolts install the housing flange.	ation, mak	e sure that the o	cover is correctly installe	ed against		
	. ,				ashers [14], and the five cover [6] to the fuel filte			
I		1) Make sure that the	ne nuts [15	] screw freely by	y hand as follows:			
		NOTE: No tool is	s permitted	l.				
		a) Turn each r	nut for a mi	nimum of two fu	ıll turns.			
				part is in a good hten the nut.	d condition, it should not	be possible		
-	EFFEC*		source <b>MRB</b>	REPLACE THE	LEFT ENGINE FUEL FIL	TER		
				D633A109-AKS 73-010-01-01			ge 12 ( un 15/	
L			I	I				-

TAIL NUMBER

DATE



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

STATION

AIRLINE CARD NO.

BOEING CARD NO.

							73-010-0°	1-01	
AKS ALL PO	OST SB (	CFM56	6-7B-73-079 (Cont	inued)			N	MECH	INSP
			INCO COM	ORRECT T	ORQUE CAN	E CORRECT TORQUE CAUSE DAMAGE TO TI NTITIES OF FUEL LEA	HE		
			b) Tighten the	five nuts [	15] to 70 in-lb (8	3 N·m) – 80 in-lb (9 N·m	).		
				er to this to	,	< 70-20-02-400-801-F00	O), for the		
	(1)					aligning washer [18] and r [6] to the fuel filter hou			
		NOT			-	are not interchangeable. s is different (two supplie			
		NOT	E: This step is for NAS1727-4D.	the fuel fi	lter cover attach	nment with Kit PH03003	5-4 or Kit		
		NOT	E: Only one bolt i	s used in t	he hole adjacer	nt to the nameplate.			
		1)				contact with the flat was			
			,			the spherical side of the mpound, D00601 [CP21			
		2)	Install the bolt [16 self-aligning nut [			e self-aligning washer [1 nfiguration.	8] and the		
				•		nstallation can lead to d gning nut and washer ir	-		
						ng nut and self-aligning ump which attach the fu			
		CAU	INCORRE	CT TORQ	UE CAN CAUS	RRECT TORQUE. THE E DAMAGE TO THE IES OF FUEL LEAKAG			
		3)	Tighten the bolt [ (9 N·m).	16] and the	e self-aligning n	ut [19] to 70 in-lb (8 N·n	n) – 80 in-lb		
			NOTE: Refer to technique	•	AMM TASK 70-2	20-02-400-801-F00), for	the torque		
	WAF	RNING	ADDITIVES TH	IAT CAN E	E POISONOUS	I. THE SYNTHETIC OIL S IF THEY ARE ABSOR LL OIL THAT GETS ON	RBED		
	(m)		ıll the MW0312 wii filter cover [6].	e harness	in Omega clip t	that is immediately to th	e left of the		
		1)	Install the drain p	lug [4] on	the fuel filter co	ver [6]:			
			a) Lubricate th	e new pac	king [5] with oil,	, D00623 [CP5066].			
		S ALL		SOURCE MRB	REPLACE THE	LEFT ENGINE FUEL FIL	TER		
					D633A109-AKS 73-010-01-01	<b>;</b>	Page Jur	13 c n 15/2	



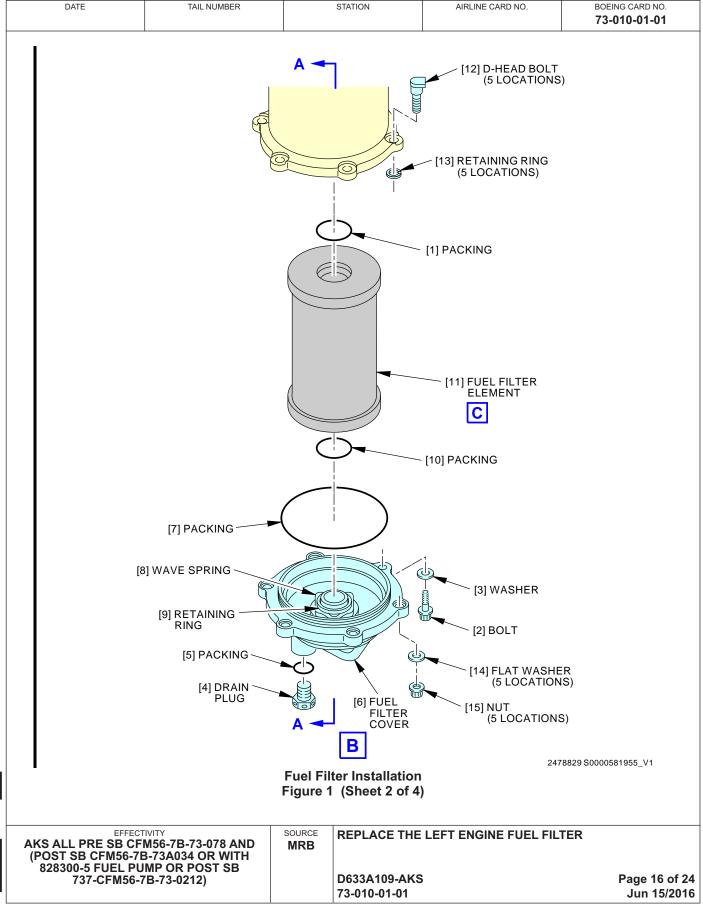
	DATE TAIL NUMBER STATION AIRLINE CARD NO. BOEING CAR 73-010-0										
AKS	SALL	POST S	SB CFM	56-7B-	73-079 (Cont	inued)	-			MECH	INSP
				<b>b</b> )	Install the n	ookina [E]	in the greeve of	the drain plug [4]			
				b)	•	0	•	the drain plug [4].	CD50661		
				c)				g [4] with oil, D00623	[CP3000].		
				d)			4] in the fuel filte	ir cover [o]. in-lb (5 N·m) – 55 in-l	lh (6 N.m)		
				e)	· ·		. 011	01] or cable, G50065	,		
				<del>6</del> )	the drain plu	-	G02545 [CF 600	or cable, G30003	[CF 0000] 011		
	_	AKS A									
	D.		-		a Serviceab	le Conditi	on				
			(73-11-02-84			nlane in a	serviceable cor	edition:			
		. ,			•	•			01_F00		
	<ul><li>(a) Do this task: Close the Fan Cowl Panels, AMM TASK 71-11-02-410-801-F00.</li><li>(b) Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-811.</li></ul>										
	<ol> <li>Remove the DO-NOT-OPERATE tag from the BAT switch on panel P5-13.</li> <li>Remove the DO-NOT-OPERATE tag from the applicable engine start lever.</li> </ol>										
	E.		. ,		ment Test						
			< 73-11-02-79	-							
		CAUT	<b>ION</b> : D	O NO	T MOTOR TH	E ENGINE	E BEFORE VER	RIFYING THAT THE F	UEL SPAR		
	VALVE IS IN THE OPEN POSITION AND FUEL BOOST PUMP PRESSURE IS APPLIED TO THE FUEL PUMP INLET. THE FUEL PUMP AND THE HYDRO MECHANICAL UNIT ARE FUEL LUBRICATED, ZERO FUEL PRESSURE CAN CAUSE DAMAGE TO THE FUEL PUMP AND THE HYDRO MECHANICAL UNIT.										
	(1) Do the tests that are listed in the Power Plant Test Reference Table (AMM TASK 71-00-00-800-811-F00).										
1						- END OF	TASK ——				
			EFFECTIVIT			0011005	DEDI AGE TUE				
				Υ		SOURCE	KEDI VI E I HE	LEET ENGINE FILEL F	II TFR		
			AKS AL			MRB	REPLACE THE	LEFT ENGINE FUEL F	ILTER		

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

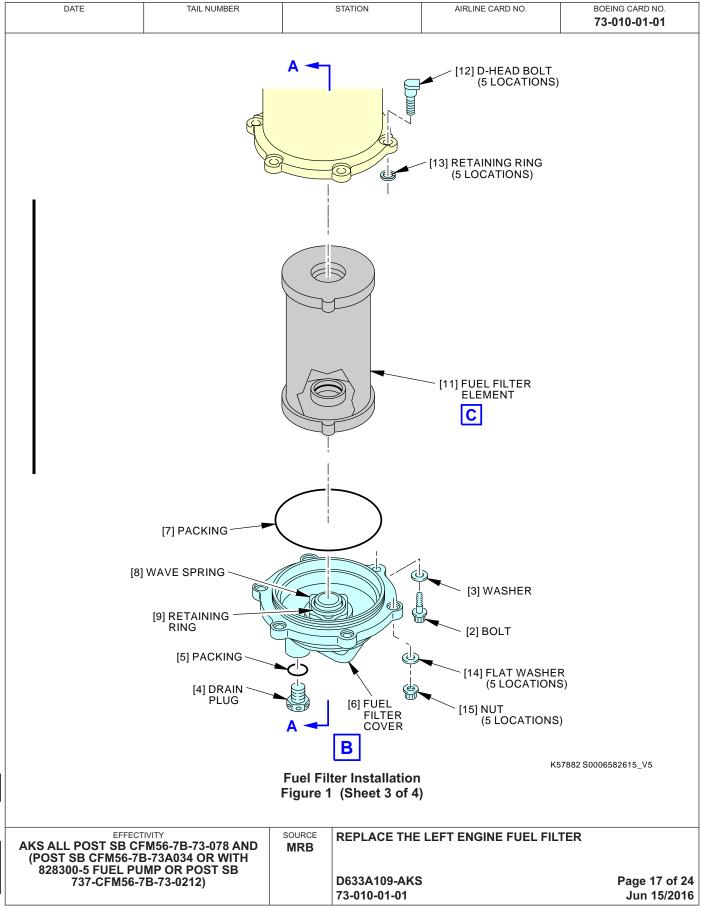
DATE TAIL NUMBER STATION AIRLINE CARD NO. BOEING CARD NO. 73-010-01-01 MM-00203-00-B E91820 S0006582614\_V4 **Fuel Filter Installation** Figure 1 (Sheet 1 of 4) AKS ALL POST SB CFM56-7B-73A034 OR WITH 828300-5 FUEL PUMP OR POST SB 737-CFM56-7B-73-0212 SOURCE REPLACE THE LEFT ENGINE FUEL FILTER **MRB** D633A109-AKS Page 15 of 24

73-010-01-01

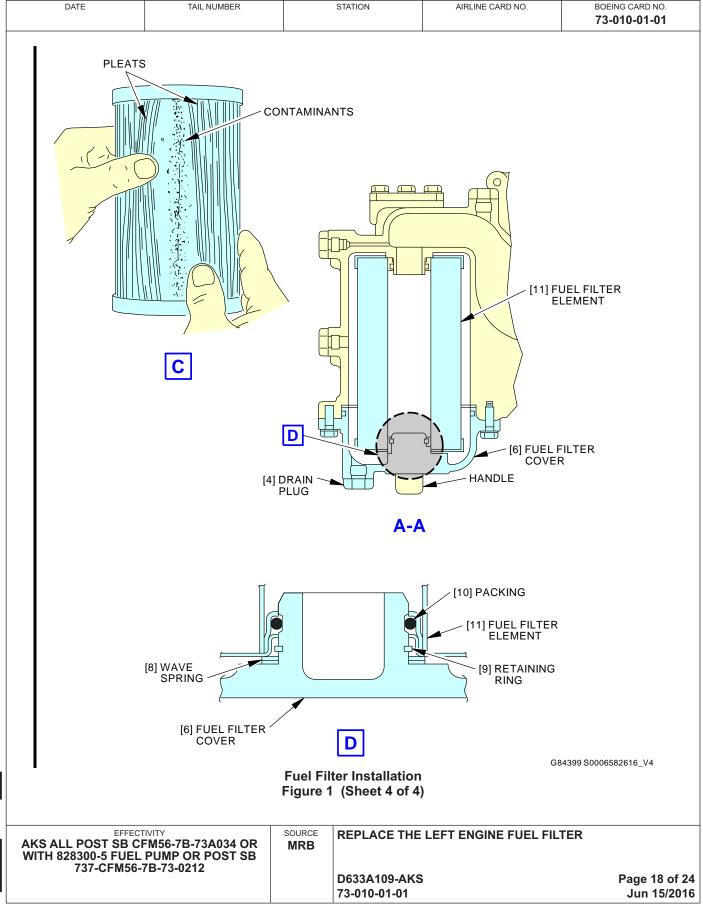










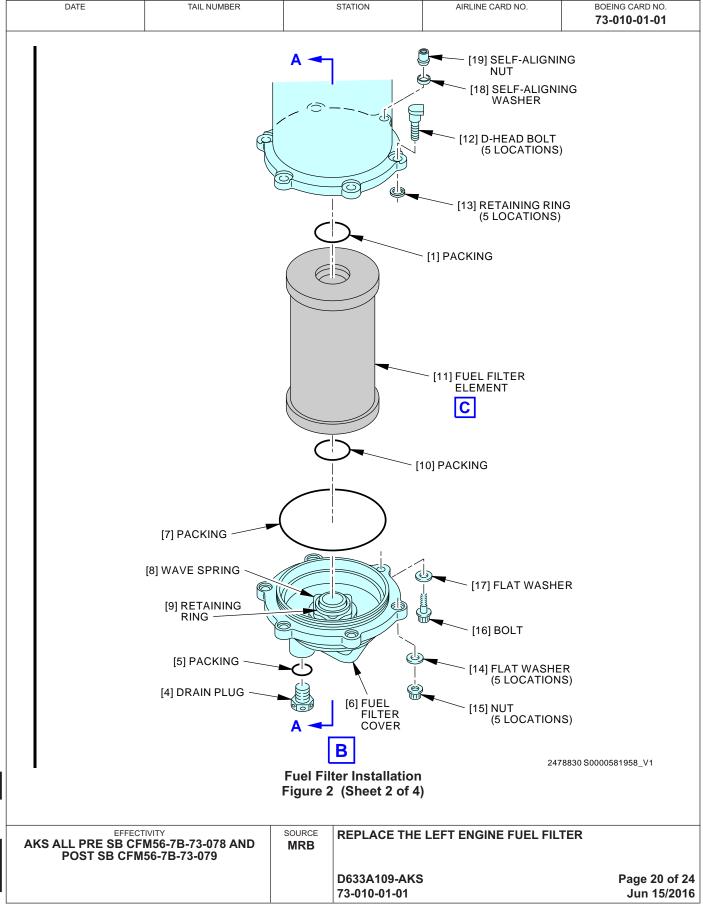




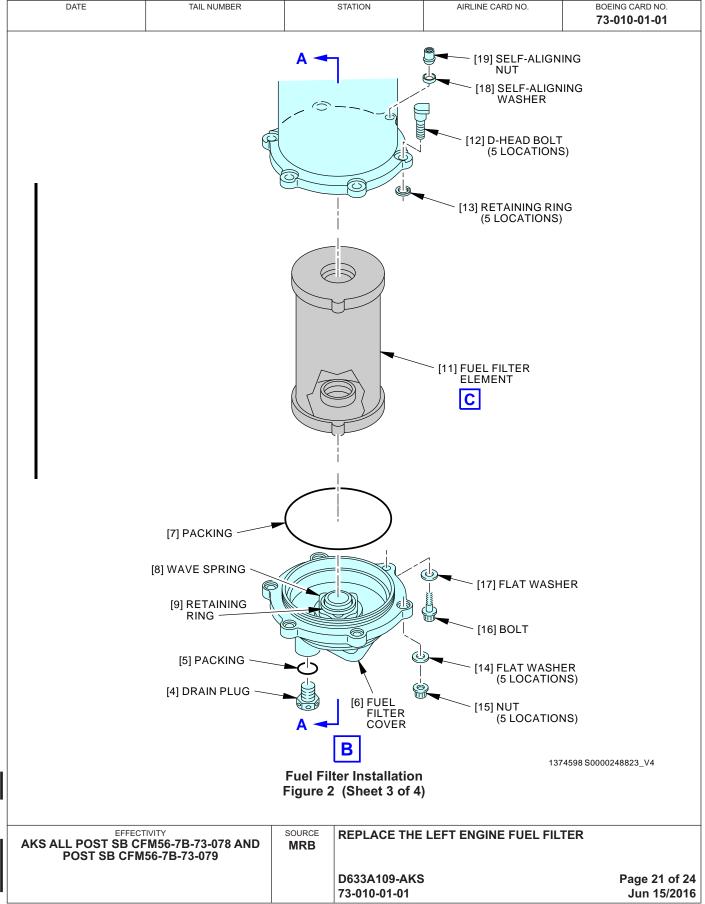
### 737-600/700/800/900 TASK CARDS

STATION DATE TAIL NUMBER AIRLINE CARD NO. BOEING CARD NO. 73-010-01-01 MM-00203-00-B E91820 S0006582614\_V4 **Fuel Filter Installation** Figure 2 (Sheet 1 of 4) AKS ALL POST SB CFM56-7B-73-079 SOURCE REPLACE THE LEFT ENGINE FUEL FILTER **MRB** D633A109-AKS Page 19 of 24 Jun 15/2016 73-010-01-01

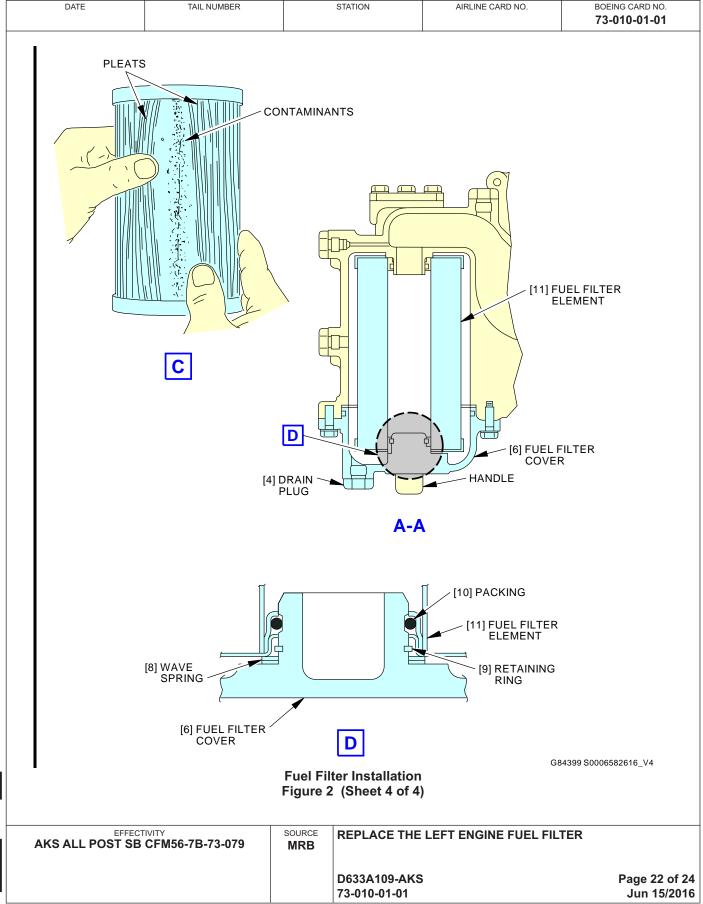




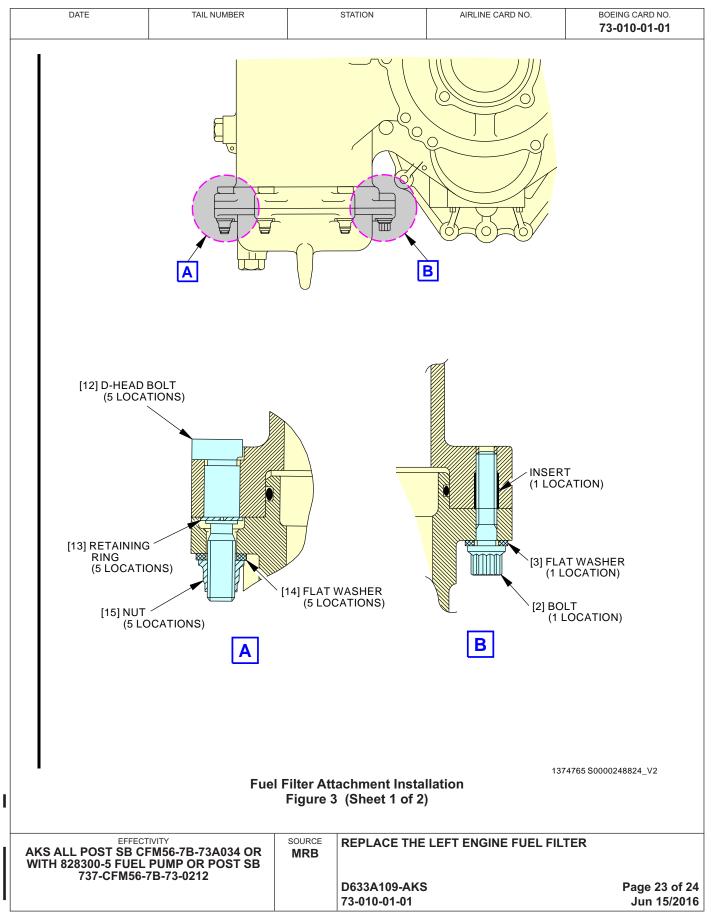














### 737-600/700/800/900 TASK CARDS

DATE TAIL NUMBER STATION AIRLINE CARD NO. BOEING CARD NO. 73-010-01-01 [19] SELF-ALIGNING NUT / (1 LOCATION) [12] D-HEAD BOLT (5 LOCATIONS) [18] SELF-ALIGNING WASHER (1 LOCATION) [13] RETAINING RING (5 LOCATIONS) [17] FLAT WASHER [15] NUT -(1 LOCATION) (5 LOCATIONS) [14] FLAT WASHER (5 LOCATIONS) [16] BOLT (1 LOCATION) NOTE: DO NOT INTERMIX THE DIFFERENT SUPPLIERS HARDWARE (SELF-ALIGNING WASHER AND SELF-ALIGNING NUT FROM KIT PH030035-4 OR KIT NAS1727-4D) AND BOLT. 1374445 S0000248825\_V2 **Fuel Filter Attachment Installation** Figure 3 (Sheet 2 of 2) **EFFECTIVITY** SOURCE REPLACE THE LEFT ENGINE FUEL FILTER AKS ALL POST SB CFM56-7B-73-079 **MRB** D633A109-AKS Page 24 of 24 Jun 15/2016 73-010-01-01





AIRLIN	E CARD NO	REPLACE TH	TITLE HE RIGHT ENGINE	BOEING CARD NO. 73-010-02-01		
DATE	TASK REPLACE				RELATE	D CARD
TAIL NUMBER	WORK AREA RIGHT ENGINE	VERSION 1.1	THRESHOLD 6000 FH	REPEAT <b>6000 FH</b>	APPLIC AIRPLANE	ABILITY ENGINE
STATION	SKILL <b>AIRPL</b>				ALL	ALL
		ACCESS 423 424			ZONE <b>421</b>	

Replace the right engine fuel filter.

### 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 70-20-02-400-801-F00	Tightening Practices and Torque Values (P/B 201)
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)
FIM 73-05 TASK 801	Fuel FILTER BYPASS Light is On - Fault Isolation

### B. Consumable Materials

Reference	Description	Specification
B00676 [CP1041]	Alcohol - Isopropyl	CFM CP1041, TT-I-735
D00601 [CP2101]	High-temperature graphite compound	SAE AMS 2518
D00623 [CP5066]	Oil - Fuel System, Corrosion Preventive	MIL-PRF-6081, Grade 1010
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	BMS15-5 Class A
G02272	Fuel - Turbine, Aviation (Grades JP-4, JP-5, JP-5/JP-8ST)	MIL-DTL-5624
G02345 [CP8001]	Wire - Safety, 0.032 Inch (0.8 mm) Diameter	CFM CP8001, AMS 5687
G50065 [CP8006]	Cable, Safety, Stainless Steel, 0.032 inch (0.813 mm) Diameter	M50 TF 9 CL-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
STD-1154	Container - 5 Gallon (19 Liters)

EFFECTIVITY  AKS ALL	SOURCE MRB	REPLACE THE RIGHT ENGINE FUEL FILTER	
ANDALL	IVIKD		
		D633A109-AKS	Page 1 of 24
		73-010-02-01	Jun 15/2016



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

					IAS	SK CARDS							
		DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CARE 73-010-02					
1.	Fue	l Filter	Remova	<b>9-801-F00</b> <b>al</b> Figure 3)				M	ECH	INS			
			_	g ,									
	Α.	Gener		ring has one fuel f	iltar alamar	nt on the fuel n	umn assembly						
	<ul><li>(1) Each engine has one fuel filter element on the fuel pump assembly.</li><li>B. Prepare for the Removal</li></ul>												
	В.	•	73-11-02-840										
				steps to prepare	for the rem	oval:							
							SK 24-22-00-860-811						
		`	•	Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-811.  Make sure the engine start lever is in the CUTOFF position.									
		(	1)	_			oplicable engine start lev	er					
		(	c) Mał		ALVE CLC	SED (engine f	uel shutoff valve) light on						
			NO.	the valve is in	n transition	or does not agı	ve has three positions: Buree with the commanded when the valve is opene	position;					
		(	•	ke sure the SPAR nel) is dim.	VALVE CL	OSED light on	the fuel control panel (P5	5 overhead					
			NO <sup>-</sup>	in transition o	r does not		ee positions: Bright when commanded position; Die is opened.						
		(	e) Do	this task: Remove	Electrical I	Power, AMM TA	ASK 24-22-00-860-812.						
			NO.	electrical and	I fluid conne all of the e	ectors. You can lectrical and flu	necessary while you disco reapply electrical power uid connectors are discor	to the					
			1)	Make sure that t		itch on panel P	5-13 is set to OFF and ir	nstall a					
		(	(f) Do	this task: Open the	e Fan Cow	Panels, AMM	TASK 71-11-02-010-801	-F00.					
	C.	Fuel F	ilter Re	moval									
		AKS A	II PRF	SB CFM56-7B-73	Δ034								
				are different confi		f the fuel filter o	cover.						
		NOTE	housin		nceled. It m		tachment (bolts and fuel ed by SB CFM56-7B-73- <i>h</i>						
	AKS ALL POST SB CFM56-7B-73A034 OR WITH 828300-5 FUEL PUMP OR POST SB 737-CFM56-7B-73-0212												
			73-11-02-020 Oo these	o-oo1-Foo steps to remove t	the fuel filte	er cover:							
			EFFECTIVIT		SOURCE MRB	REPLACE THI	E RIGHT ENGINE FUEL FI	LTER					
						D633A109-AK	S	Pag	e 2 d				

73-010-02-01



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

	DATE	TA	AIL NUMBER		STATION	AIRLINE CARD NO.	I	CARD NO. <b>0-02-01</b>	
ı	AKS ALL F	PRE SB CI	FM56-7B-73A	.034 AND (	WITH 828300-5	FUEL PUMP OR POST	SB	MECH	INSP
•	<b>737-CFM5</b> 6 <u>Not</u> e	E: This Su D-Head insert (	ubtask is for e	etaining rir to the fuel	ngs, five washer	filter cover attachment rs, five nuts and one bol (the main fuel pump rev	It with its		
I	AKS ALL F 737-CFM56			A034 OR \	WITH 828300-5	FUEL PUMP OR POST	SB		
	WAR	D( A) FL	O NOT BREA WAY FROM S	ATHE THE SPARKS, F LIQUID, TH	FUMES FROM FLAME, AND HI HAT CAN CAUS	OR EYES, OR ON YOU I THE FUEL. KEEP THE EAT. FUEL IS A POISO SE INJURIES TO PERS	E FUEL NOUS AND		
	(a)		steps to drair						
		1) Put	the 5 gallon (	19 liter) co	ontainer, STD-1	154 under the fuel pump	assembly.		
		2) Cut	and remove t	the safety	wire or cable fro	om the drain plug [4].			
		3) Rem	nove the drair	n plug [4] f	rom the fuel filte	er cover [6].			
		a)	Let the fuel	drain in th	e container.				
I		4) Rem	nove and disc	ard the pa	acking [5] from t	he drain plug [4].			
		a)	Keep the dr	ain plug [4	] for the installa	tion.			
		Remove t		wire harne	ess from the Om	nega clip that is just to tl	he left of the		
	(c)	Do these	steps to remo	ove the fue	el filter cover [6]	:			
		,	sen and remoer [6].	ove the bol	t [2] and the flat	t washer [3] that hold th	e fuel filter		
		a)	-			ns of thread damage.			
					age, discard and	•			
		b)	Do an inspe flatness con		e flat washer [3	] for signs of damage (r	nicks,		
			<1> If the	re is dama	age, discard and	d replace it.			
		,	sen and remo filter cover [6		e nuts [15] and t	five flat washers [14] tha	at hold the		
		NOT	E: The five	D-Head bo	olts [12] are cap	tive in the fuel filter cove	er housing.		
		a)	Do an inspe	ection of th	e nuts [15] for s	igns of thread damage.			
			<1> If the	re is dama	age, discard and	d replace them.			
		b)	Do an inspe flatness con		e flat washers [	14] for signs of damage	e (nicks,		
			<1> If the	re is dama	age, discard and	d replace them.			
	FFFFC	CTIVITY		SOURCE	DEDI ACE TUE	RIGHT ENGINE FUEL F	II TEP		
		ALL		MRB	D633A109-AKS			Page 3	
					73-010-02-01			Jun 15/	2016



DATE		TA	IL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 73-010		
AKS ALL POST SB C 737-CFM56-7B-73-02				VITH 82830	00-5 FUEL PUMI	P OR POST SB		MECH	INSP
	3)	Rem	ove the fuel	filter cover	[6] from the fue	al filter housing			
	0)		E: When yo		the fuel filter cov	ver [6], the filter elemen	t [11]		
		a)				np housing insert for sig movement, and the thre			
				-	one insert in the jacent to the nai	main fuel pump housir meplate.	ng, located		
					fuel pump, if the SB CFM56-7B-7	insert is damaged, rep 73-0079.	lace the fuel		
AKS ALL \	WITH	8283	00-5 FUEL P	UMP AND	PRE SB 737-CF	M56-7B-73-0212			
			<2> For 8	328300–5 1		insert is damaged, rep	lace the fuel		
AKS ALL F	POST	SB 7	37-CFM56-7	B-73-0212					
			<3> For 8 pump		fuel pump, if the	insert is damaged, rep	lace the fuel		
AKS ALL F 737-CFM50				A034 OR \	WITH 828300-5 I	FUEL PUMP OR POST	SB		
		b)	-		e attached parts				
			<1> Do a		on of the five D-l	Head bolts [12] for signs	s of		
			<a></a>		s damage, disca g ring [13].	ard and replace them w	ith their		
	4)	Rem	ove and disc	card the pa	acking [7] from the	ne fuel filter cover [6].			
	5)	Rem	ove the fuel	filter eleme	ent [11] from the	fuel filter cover [6].			
		a)	Do the insp	ection of th	ne fuel filter cove	er [6] for contamination.			
		b)	-			nt [11] for contaminatior	١.		
			<1> If you		l contamination				
			<a></a>			ement [11] and the pack e attached to the filter el	0		
						the packing [1] and the the fuel filter element [1 r housing.			
		c)	If you find la	arge quant	ities of contamir	nation.			
			<1> Do th	nis task: FI	M 73-05 TASK 8	301.			
EFFE(	CTIVITY			SOURCE	REPLACE THE	RIGHT ENGINE FUEL FI	I TFR		
	ALL			MRB					
					D633A109-AKS 73-010-02-01			age 4 un 15/	



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

DATE	TA	AIL NUMBER		STATION	AIRLINE CARD NO.	73-010		
AKS ALL POS	ST SB (	CFM56-7B-73	-079			1	MECH	INSP
SUBTASK 73-11-02-02	20-002-F00							
 E V H	BREAT VHEN HEAT. F	HE THE FUN YOU USE FU FUEL IS POIS	MES FROM JEL. KEEF SONOUS A	THE FUEL. P FUEL AWAY F	S, OR ON YOUR SKIN. UT ON GOGGLES, AN ROM SPARKS, FLAMI BLE. FUEL CAN CAUSI IENT.	D GLOVES E, AND		
bolts,	five re ligning	taining rings,	five flat wa	ashers, five nut	cover attachment with f s and one bolt with one main fuel pump reworks	washer, one		
(2) Do these	e steps	to remove th	e fuel filte	cover [6].				
(a) Do	these	steps to drain	n the fuel s	ystem:				
1)	Put	the 5 gallon (	19 liter) co	ntainer, STD-11	154 under the fuel pump	o assembly.		
2)	Cut	and remove	the safety	wire or cable fro	om the drain plug [4].			
3)	Rem	nove the drain	n plug [4] f	rom the fuel filte	er cover [6].			
	a)	Let the fuel	drain in the	e container.				
4)	Rem	nove and disc	ard the pa	cking [5] from t	he drain plug [4].			
	a)	Keep the dr	ain plug [4	] for installation				
, ,		the MW0312 cover [6].	wire harne	ss from the Om	nega clip that is just to t	he left of the		
(c) Do	these	steps to rem	ove the fue	el pump filter co	ver [6]:			
1)		sen and remo filter cover [6		nuts [15] and t	he five washers [14] th	at hold the		
	NOT	<u>ΓΕ</u> : If there is	damage,	discard and rep	lace them.			
	a)	Do an inspe	ection of nu	ıts [15] for signs	of thread damage.			
		<1> If the	re is dama	ige, discard and	d replace it.			
	b)	Do an inspecton condition).	ection of fla	it washers [14]	for signs of damage (ni	cks, flatness		
		<1> If the	re is dama	ige, discard and	replace it.			
2)					ashers [17], the self-ali nat hold the fuel filter co	~ ~		
	a)	Do an inspe	ection of the	e bolt [16] for si	gns of thread damage.			
		<1> If the	re is dama	ige, discard and	replace it.			
	b)	Do an inspe		e flat washer [1	7] for signs of damage	(nicks,		
		<1> If the	re is dama	ige, discard and	l replace it.			
	c)	Do an inspe			vasher [18] for signs of	thread and		
		<1> If the	re is dama	ige, discard and	d replace it.			
EFFECTIVI <b>AKS AL</b>			SOURCE MRB	REPLACE THE	RIGHT ENGINE FUEL F	ILTER	1 1	
				D633A109-AKS	;	Р	age 5 of	f 24

73-010-02-01



DATE	TAIL NUM	IBER	STATION	AIRLINE CARD NO.	BOEING C. 73-010		
AKS ALL POST SB CF	M56-7B-73-07	79 (Continued)	-		1	MECH	INSP
	d) Do sph	an inspection of the	je.	ut [19] for signs of threa	ad and		
	<1>		age, discard and	·			
,	•	the fuel filter cove		· ·			
	r	emains attached t	o it.	ver [6], the fuel filter ele	ment[11]		
	,	an inspection of the	•				
	<1>	<ul> <li>Do an inspecti damage.</li> </ul>	on of the five D-l	Head bolts [12] for sign	s of thread		
			is damage, disca g rings [13].	ard and replace them w	ith the		
4	4) Remove	and discard the pa	acking [7] from th	ne fuel filter cover [6].			
	5) Remove	the fuel filter elem	ent [11] from the	fuel filter cover [6].			
(	6) Do an ins	spection of the fue	el filter cover [6] f	or contamination.			
7	7) Do an ins	spection of the fue	el filter element [1	1] for contamination.			
	, -	ou find usual conta					
	<1>		el filter element [ e fuel filter eleme	11] and the packings th nt [11].	at are		
			•	kings are attached to the kings are attached to the kings are attached to the kings are attached to the kin			
8	3) If you find	d large quantities	of contamination				
	a) Do	this task: FIM 73-	05 TASK 801.				
AKS ALL							
		——— END OF	TASK ———				
EFFECT AKS A		SOURCE MRB	REPLACE THE	RIGHT ENGINE FUEL FI	LTER		
			D633A109-AKS			age 6	
			73-010-02-01		J	un 15/	2016



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

				IAS	K CARDS					
		DATE	TAIL NUMBER		STATION	AIR	LINE CARD NO.		CARD NO.	
		K 73-11-02-40							MECH	INSF
2.		Filter Install								
	(Fig	ure 1, Figure 2	2, Figure 3)							
	A.	Expendable	s/Parts							
		AMM Item	Description		AIPC Refe	ence	AIPC Effective	/ity		
		1	Packing		73-11-01-01	1A-210	AKS ALL			
		4	Plug		73-11-01-01	1A-110	AKS ALL			
		7	Packing		73-11-01-01	1A-195	AKS ALL			
		10	Packing		73-11-01-01	1A-210	AKS ALL			
		11	Filter element		73-11-01-01	1A-215	AKS ALL			
	В.	Prepare for	the Installation							
		SUBTASK 73-11-02-	840-002-F00							
		(1) Do thes	se steps to prepare f	or the insta	ıllation:					
		WARNI		. DO NOT	MABLE. DO NO BREATHE THE ESE INSTRUCT	FUMES	S OF THE SOL	VENT. IF		
					S AND DAMAGE					
		WARNI	NG: ISOPROPYLA PROTECTION		IS TOXIC AND I ENT. USE IN A V					
		` '	se fuel, G02272 or a e fuel filter housing a			and cott	on wiper, G000	34 to clean		
		` '	kamine all mating su ire that they are clea		•		uel filter housin	g to make		
	C.	Fuel Filter In	nstallation							
		AKS ALL PO 737-CFM56-7	ST SB CFM56-7B-73 'B-73-0212	3A034 OR \	WITH 828300-5	FUEL P	JMP OR POST	SB		
		SUBTASK 73-11-02-	420-001-F00							
		(1) Do thes	se steps to install the	fuel filter:						
		NOTE:	There are different	configurati	ons of the fuel fi	Iter cov	er [6].			
		<u>NOTE</u> :	The original design housing inserts) wa and SB CFM56-7B-	s cancelle						
		(a) In	stall the packing [7] i	n the fuel t	filter cover [6]:					
		W	ARNING: DO NOT POISON		TAY ON YOUR ERIALS FROM					
		1	) Lubricate a new	packing [7]	with oil, D0062	3 [CP50	066].			
		2	) Install the packin	g [7] in the	groove of the fo	uel filter	cover [6].			
		EFFECTIV	/ITY	SOURCE	REPLACE THE	RIGHT	ENGINE FIIFI F	II TER		
		AKS A		MRB	LAVE IIIL					
					D633A109-AKS				Page 7	

73-010-02-01



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	73-010		
AKS ALL	. PRE SI	B CFM56-7B-73-	 078 AND (I	POST SB CFM5	6-7B-73A034 OR WITH	828300-5	MECH	INS
FUEL PU	MP OR	POST SB 737-CI	FM56-7B-7	3-0212)				
(b)		cate and install the ent [11]:	ne new pad	cking [1] and ne	w packing [10] on the n	ew fuel filter		
	•	Lubricate the nev			-			
	,	nstall the packin element [11].	g [1] in the	groove at the t	op of the new fuel filter			
	3)	Lubricate the pac	cking [10] v	with oil, D00623	[CP5066].			
	,	nstall the packin element [11].	g [10] in th	e groove at the	bottom of the fuel filter			
AKS ALL FUEL PU	POST S	SB CFM56-7B-73 POST SB 737-CI	8-078 AND FM56-7B-7	(POST SB CFM 3-0212)	56-7B-73A034 OR WITH	H 828300-5		
(c)					nent [11] with oil, D0062			
	NOTE	: The packings the new fuel fi		•	e manufacturer in their	grooves on		
AKS ALL 737-CFM			3A034 OR	WITH 828300-5	FUEL PUMP OR POST	SB		
(d)	Lightly [CP21		reads of th	e bolt [2] with g	raphite compound, D00	601		
(e)		y lubricate the the 01 [CP2101].	reads of th	e five D-Head b	oolts [12] with graphite o	ompound,		
CAI	<u>UTION</u> :	CORRECTLY II	NSTALLEI THE RETA	OON THE FUE INING RING AF	AND THE RETAINING L FILTER COVER. IF T RE NOT CORRECTLY I E DAMAGED.	HE WAVE		
(f)		sure that the wa		[8] and the retai	ning ring [9] are correct	ly installed		
FUEL PU	MP OR	POST SB 737-CI	FM56-7B-7	3-0212)	6-7B-73A034 OR WITH	828300-5		
(g)		•			fuel filter cover [6].			
	ĺ	packing at the filt	ter cover/p	acking interface				
	,	Make sure that the fuel filter element		[10] stays in its	correct position in the	groove in the		
	,	Make sure that thue the sure that the sure t		[7] stays in its	correct position in the g	roove in the		
	4)	Make sure that th	ne fuel filte	r element [11] d	loes not move.			
	AKS ALL POST SB CFM56-7B-73-078 AND (POST SB CFM56-7B-73A034 OR WITH 828300-5 FUEL PUMP OR POST SB 737-CFM56-7B-73-0212)							
(h)	Caref	ully install the fue	el filter elei	ment [11] in the	fuel filter cover [6].			
	ECTIVITY		SOURCE MRB	REPLACE THE	RIGHT ENGINE FUEL F	LTER		
				D633A109-AK\$	3		age 8	

73-010-02-01



DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C. 73-010		
AKS ALL POST SB CFM OR POST SB 737-CFM5	156-7B-73-078 AND (I 6-7B-73-0212) (Conti	POST SB ( inued)	CFM56-7B-73A0	034 OR WITH 828300-5	FUEL PUMP	MECH	INSF
1)	) Look down the ce packing at the filte		-	11] for signs of extrusio	n and/or cut		
2)	) Adjust the tabs of	the fuel fi	Iter element [11]	to the fuel filter cover.			
3)	) Make sure that th	e packings	s stay in their gr	ooves in the fuel filter e	element [11].		
4)	) Make sure that th fuel filter cover [6]		[7] stays in its o	correct position in the gr	roove in the		
5)	) Make sure that th	e fuel filte	r element [11] de	oes not move.			
AKS ALL PO: 737-CFM56-7		A034 OR V	WITH 828300-5 I	FUEL PUMP OR POST	SB		
( )	arefully install the fue er housing.	l filter cove	er [6] and the fu	el filter element [11] into	the fuel		
1)	) Make sure that th the fuel filter hous		r element [11] is	correctly installed on the	he guide of		
FUEL PUMP	OR POST SB 737-CF	M56-7B-7	3-0212)	56-7B-73A034 OR WITH			
,	,			to the ribs of the fuel f	•		
AKS ALL PO: 737-CFM56-7		A034 OR V	WITH 828300-5 I	FUEL PUMP OR POST	SB		
3)	) Make sure that th housing.	e fuel filtei	r cover [6] is cor	rectly engaged into the	fuel filter		
	efore the bolt installat e housing flange.	ion, make	sure that the co	over is correctly installe	d against		
<u>NC</u>				filter cover. Damage on y help to engage the co			
	e five D-Head bolts [	12] that ho	ld the fuel filter	shers [14], and the five cover [6] to the fuel filte			
1)	•		-	y hand as follows:			
	NOTE: No tool is	•					
	,		nimum of two fu				
			part is in a good hten the nut.	l condition, it should no	t be possible		
EFFECTIV AKS A		SOURCE	REPLACE THE	RIGHT ENGINE FUEL FI	LTER		
AKS AI	LL	MRB	D633A109-AKS		Þ	age 9	of 24
			73-010-02-01			un 15/	



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

	DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 73-010		
	AKS ALL POST SB CF 737-CFM56-7B-73-021	FM56-7B-73A034 OR W I2 (Continued)	/ITH 82830	0-5 FUEL PUM	P OR POST SB		MECH	INSP
	<u>'</u>	FILTER CO PROPER YOU DO N	OVER TO TORQUE NOT USE I	THE HOUSING TECHNIQUES A PROPER TORO	HE BOLTS THAT HOLD I. MAKE SURE THAT Y AS YOU TIGHTEN THE QUE TECHNIQUES, YO LTER COVER OR CAU	OU USE BOLTS. IF OU CAN		
		2) Tighten the five n	uts [15] to	70 in-lb (8 N⋅m	) – 80 in-lb (9 N·m).			
		NOTE: Refer to technique	•	AMM TASK 70-2	20-02-400-801-F00), for	the torque		
	1	filter housing.			old the fuel filter cover [6	6] to the fuel		
	<u> </u>	NOTE: Only one bolt i		•	•			
		<ol> <li>Make sure that the <u>NOTE</u>: No tool is</li> </ol>	_		nand as follows:			
		a) Hold the bol of two full tu		ween your finge	ers, and turn the bolt for	a minimum		
			insert is ir	-	on, it should not be pos	sible to fully		
	<u>'</u>	INCORRE	CT TORQ	UE CAN CAUS	RRECT TORQUE. THE E DAMAGE TO THE IES OF FUEL LEAKAG			
ı		2) Tighten the bolt [2	2] to 70 in-	lb (8 N·m) – 80	in-lb (9 N·m).			
		NOTE: Refer to t	•	AMM TASK 70-2	20-02-400-801-F00), for	the torque		
	. ,	Install the MW0312 wir the fuel filter cover [6].	e harness	in the Omega	clip that is immediately t	to the left of		
	(n)	Install the drain plug [4	] on the fu	el filter cover [6	]:			
	1				SKIN. YOU CAN ABSO			
ı		1) Lubricate a new p	acking [5]	with oil, D0062	3 [CP5066].			
		2) Install the packing	g [5] in the	groove of the d	Irain plug [4].			
		3) Lubricate the thre	ads of the	drain plug [4] v	vith oil, D00623 [CP506	6].		
		4) Install the drain p	lug [4] in tl	ne fuel filter cov	er [6].			
I		a) Tighten the	drain plug	[4] to 45 in-lb (5	5 N·m) – 55 in-lb (6 N·m	n).		
I		5) Install the safety of drain plug [4].	wire, G023	345 [CP8001] or	cable, G50065 [CP800	06] on the		
	EFFEC <b>AKS</b>	_	SOURCE MRB	REPLACE THE	RIGHT ENGINE FUEL FI	LTER		
	2.3.40			D633A109-AKS			ge 10	

73-010-02-01

Jun 15/2016



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

	DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	73-010				
	AKS ALL P	OST SB CFM56-7B-73	-079			•	MECH	INSP		
	SUBTASK 73-11-0	)2-420-002-F00								
	WARNING		AN BE PC	ISONOUS IF T	E SYNTHETIC OIL CON HEY ARE ABSORBED 'S ON THE SKIN.					
ı	(2) Do the	ese steps to install the	fuel filter of	cover [6].						
		D-Head bolts [12], fi one bolt [16], one fla	ve retaining twasher     (the maing the	ng rings [13], fivo [17], one self-ali n fuel pump rewo filter cover [6].	filter cover attachment e flat washers [14], five igning washer [18], and orked by SB CFM56-7E	nuts [15], one				
		,		_	uel filter cover [6].					
	AKS ALL PRE SB CFM56-7B-73-078 AND POST SB CFM56-7B-73-079  (b) Lubricate and install the new packing [1] and the new packing [10] on the new fuel filter element [11].									
		1) Lubricate the new		•						
		element [11].			op of the new fuel filter					
		3) Lubricate the new		-						
		4) Install the packing element [11].	g [10] in th	e groove at the	bottom of the new fuel	filter				
		OST SB CFM56-7B-73								
	* *		are alread	y installed by th	ent [11] with oil, D0062 e manufacturer in their					
	AKS ALL P	OST SB CFM56-7B-73	-079							
I		Lightly lubricate the thr graphite compound, D0			he self-aligning washer	[18] with				
ı	` '	Lightly lubricate the thr D00601 [CP2101].	eads of th	e five D-Head b	oolts [12] with graphite o	compound,				
		Make sure that the way into the fuel filter cover		8] and the retai	ning ring [9] are correct	ly installed				
	<u> </u>	installed on the	e fuel filter	cover [6]. If the	the retaining ring [9] are wave spring [8] and the el filter element [11] cou	e retaining				
	AKS ALL P	RE SB CFM56-7B-73-0	78 AND P	OST SB CFM56	i-7B-73-079					
I	(g) (	Carefully install the fue	l filter eler	nent [11] on the	fuel filter cover [6].					
	EFFEC AKS	_	SOURCE MRB	REPLACE THE	RIGHT ENGINE FUEL F	ILTER				
				D633A109-AKS	;		ige 11			

73-010-02-01

Jun 15/2016



	DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA					
	AKS ALL PRE SB CFM	//156-7B-73-078 AND P	OST SB CF	M56-7B-73-079	(Continued)		MECH	INSP			
		Make sure that the fuel filter element		[10] stays in its	correct position in the g	groove in the					
		2) Make sure that the fuel filter cover [6]		[7] stays in its o	correct position in the gr	oove in the					
		3) Make sure that the	ne fuel filte	r element [11] d	oes not move.						
	AKS ALL P	OST SB CFM56-7B-73	-078 AND	POST SB CFM5	66-7B-73-079						
	(h) (	Carefully install the fue	el filter eler	ment [11] on the	fuel filter cover [6].						
		1) Adjust the tabs o	f the fuel fi	Iter element [11]	to the fuel filter cover.						
		2) Make sure that the packings stay in their grooves in the fuel filter element [11].									
ı		<ol> <li>Make sure that the fuel filter cover [6]</li> </ol>		[7] stays in its o	correct position in the gr	oove in the					
		4) Make sure that the fuel filter element [11] does not move.									
	AKS ALL P	OST SB CFM56-7B-73	3-079								
I		Carefully install the fue file iller housing.	el filter cove	er [6] with its fue	el filter element [11] into	the fuel					
		<ol> <li>Make sure that the fuel filter hou</li> </ol>		r element [11] is	correctly installed on the	ne guide of					
	AKS ALL P	OST SB CFM56-7B-73	-078 AND	POST SB CFM5	66-7B-73-079						
					to the ribs of the fuel fi	Iter housing.					
	AKS ALL P	OST SB CFM56-7B-73									
I				r cover [6] is co	rrectly engaged into the	fuel filter					
		insert wil		wood or plastic l	e the filter cover. Dama nammer may help to en	•					
		Before the bolts install he housing flange.	ation, mak	e sure that the o	cover is correctly installe	ed against					
	. ,				ashers [14], and the five cover [6] to the fuel filte						
I		1) Make sure that the	ne nuts [15	] screw freely by	y hand as follows:						
		NOTE: No tool is	s permitted	l.							
		a) Turn each r	nut for a mi	nimum of two fu	ıll turns.						
				part is in a good hten the nut.	d condition, it should not	be possible					
	EFFEC' AKS		SOURCE MRB	REPLACE THE	RIGHT ENGINE FUEL FI	LTER					
				D633A109-AKS 73-010-02-01			ge 12 ( un 15/				
L	73-010-02-01 Jun 15										

DATE

TAIL NUMBER



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

STATION

AIRLINE CARD NO.

BOEING CARD NO.

	DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	73-010-		
	AKS ALL POST SB CF	-M56-7B-73-079 (Contin	ued)				MECH	INSP
		INCOF COMP	RRECT T	ORQUE CAN C	E CORRECT TORQUE CAUSE DAMAGE TO TI NTITIES OF FUEL LEA	HE		
		b) Tighten the fiv	ve nuts [´	15] to 70 in-lb (8	8 N·m) – 80 in-lb (9 N·m	).		
			r to this to e technic	•	( 70-20-02-400-801-F00	)), for the		
		install the bolt [16], the fi self-aligning nut [19] that						
	Ī	NOTE: There are two at spherical profile hardware).		-	re not interchangeable. is different (two supplic			
	1	NOTE: This step is for t NAS1727-4D.	he fuel fil	lter cover attach	ment with Kit PH03003	5-4 or Kit		
	Ī	NOTE: Only one bolt is		-	·			
		•			contact with the flat was			
		self-aligning r	nut [19] w	ith graphite cor	he spherical side of the npound, D00601 [CP21	01].		
		<ol> <li>Install the bolt [16], self-aligning nut [19]</li> </ol>			self-aligning washer [1 nfiguration.	8] and the		
					nstallation can lead to d gning nut and washer in	•		
				_	ng nut and self-aligning ump which attach the fu			
	9		T TORQ	UE CAN CAUS	RRECT TORQUE. THE E DAMAGE TO THE IES OF FUEL LEAKAG			
		3) Tighten the bolt [16 (9 N·m).	6] and the	e self-aligning n	ut [19] to 70 in-lb (8 N·m	n) – 80 in-lb		
		NOTE: Refer to th techniques	•	AMM TASK 70-2	20-02-400-801-F00), for	the torque		
	WAR		T CAN B	E POISONOUS	. THE SYNTHETIC OIL S IF THEY ARE ABSOR L OIL THAT GETS ON	BED		
	. ,	nstall the MW0312 wire fuel filter cover [6].	harness	in Omega clip t	hat is immediately to th	e left of the		
		1) Install the drain plu	ıg [4] on 1	the fuel filter cov	ver [6]:			
		a) Lubricate the	new pac	king [5] with oil,	D00623 [CP5066].			
	EFFEC* AKS		SOURCE MRB	REPLACE THE	RIGHT ENGINE FUEL FI	LTER		
				D633A109-AKS 73-010-02-01			ge 13 d un 15/2	
L								



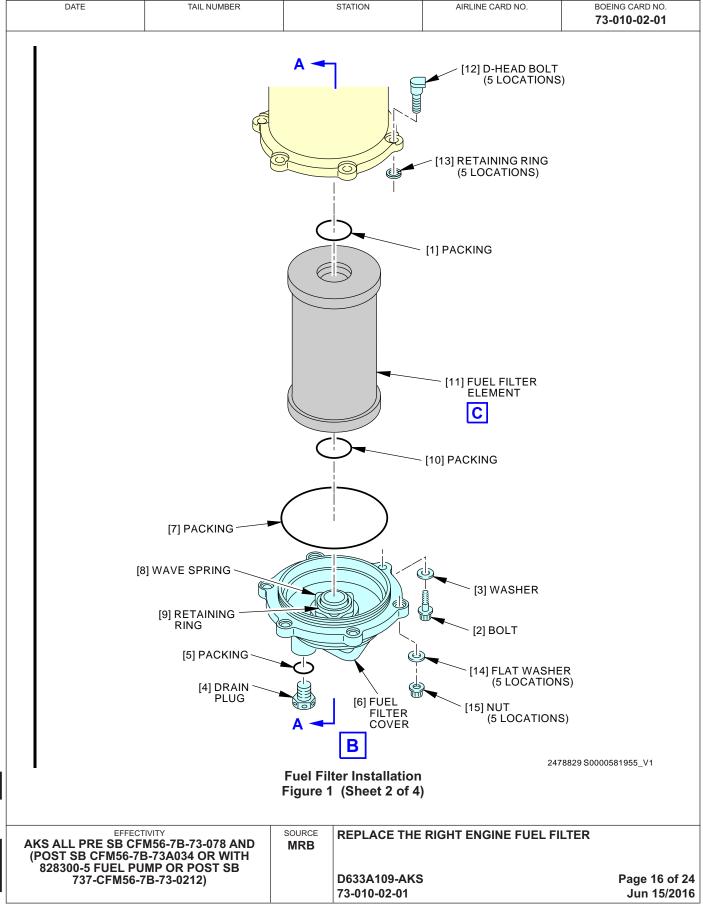
Г	DATE	T,	AIL NUMBER		STATION	AIRLINE CARD NO.			
KS ALL	POST SB	CFM56-7B-	·73-079 (Conti	nued)			1	MECH	INSP
		b)	Install the ne	ooking [F]	in the areas of	the drain plug [4]			
		,	•	0	· ·		CDE0661		
		,					JP3000J.		
		u)			-		v (6 N.m)		
		٥)	•		. 011	,	,		
		е)		-	G02343 [CF600	orgon cable, Goodoo [	CF6000] 011		
n	AKS ALL		a Samijaaahl	o Conditi	an.				
D.		-		e Conditio	OII				
				plane in a	serviceable con	ndition:			
	` '	•	•	•			1-F00.		
	,								
	(-)						el P5-13.		
	(c)	•			_	•			
E.	Fuel Filte	er Replace	ment Test						
		-							
CAUTION: DO NOT MOTOR THE ENGINE BEFORE VERIFYING THAT THE FUEL SPAR VALVE IS IN THE OPEN POSITION AND FUEL BOOST PUMP PRESSURE IS APPLIED TO THE FUEL PUMP INLET. THE FUEL PUMP AND THE HYDRO MECHANICAL UNIT ARE FUEL LUBRICATED, ZERO FUEL PRESSURE CAN CAUSE DAMAGE TO THE FUEL PUMP AND THE HYDRO MECHANICAL UNIT.  (1) Do the tests that are listed in the Power Plant Test Reference Table (AMM TASK 71-00-00-800-811-F00)									
				END OF	TASK ———				
		ECTIVITY		SOURCE MRB	REPLACE THE	RIGHT ENGINE FUEL F	ILTER	•	
		IO ALL		MIND					
	D.	AKS ALL D. Put the A SUBTASK 73- (1) Do (a) (b) (c) E. Fuel Filte SUBTASK 73- CAUTION  (1) Do TAS	b) c) d) e)  AKS ALL  D. Put the Airplane in SUBTASK 73-11-02-840-003-F0 (1) Do these steps (a) Do this ta (b) Do this ta (c) Remove  E. Fuel Filter Replace SUBTASK 73-11-02-790-001-F0 CAUTION: DO NO VALVE APPLIE MECHA CAUSE (1) Do the tests th TASK 71-00-00	b) Install the pact of Lubricate the distall the pact of Lubricate the distall	b) Install the packing [5] c) Lubricate the threads (d) Install the drain plug [4] <1> Tighten the drain plug [4]  AKS ALL  D. Put the Airplane in a Serviceable Condition (subtask 73-11-02-840-003-F00) (1) Do these steps to put the airplane in a (a) Do this task: Close the Fan Cowl (b) Do this task: Supply Electrical Poly (c) Remove the DO-NOT-OPERATE  E. Fuel Filter Replacement Test  SUBTASK 73-11-02-790-001-F00  CAUTION: DO NOT MOTOR THE ENGINE VALVE IS IN THE OPEN POSITAPPLIED TO THE FUEL PUMP MECHANICAL UNIT ARE FUEL CAUSE DAMAGE TO THE FUEL (1) Do the tests that are listed in the Power TASK 71-00-00-800-811-F00).  EFFECTIVITY SOURCE  B) Install the packing [5]  (1) Do the tests that are listed in the Power TASK 71-00-00-800-811-F00).	b) Install the packing [5] in the groove of c) Lubricate the threads of the drain plug d) Install the drain plug [4] in the fuel filte <1> Tighten the drain plug [4] to 45 e) Install the safety wire, G02345 [CP800 the drain plug [4].  AKS ALL  D. Put the Airplane in a Serviceable Condition  SUBTASK 73-11-02-840-003-F00  (1) Do these steps to put the airplane in a serviceable cordian (a) Do this task: Close the Fan Cowl Panels, AMM Tobsecond (b) Do this task: Supply Electrical Power, AMM TASk 1) Remove the DO-NOT-OPERATE tag from the approximate the condition (c) Remove the DO-NOT-OPERATE tag from the approximate the condition of the condition (b) Do NOT MOTOR THE ENGINE BEFORE VER VALVE IS IN THE OPEN POSITION AND FUEL APPLIED TO THE FUEL PUMP INLET. THE FUEL APPLIED TO THE FUEL PUMP AND TO CAUSE DAMAGE TO THE FUEL PUMP AND TO CAUSE DAMAGE TO THE FUEL PUMP AND TO THE SIS THAT ARE SISTED THE SISTED THE FUEL PUMP AND TO THE SISTED THE FUEL PUMP AND TO THE SISTED THE SISTED THE FUEL PUMP AND TO THE SISTED THE FUEL PUMP AND TO THE SISTED THE SI	b) Install the packing [5] in the groove of the drain plug [4]. c) Lubricate the threads of the drain plug [4] with oil, D00623 [6] d) Install the drain plug [4] in the fuel filter cover [6]. <1> Tighten the drain plug [4] to 45 in-lb (5 N·m) – 55 in-lt e) Install the safety wire, G02345 [CP8001] or cable, G50065 [ the drain plug [4].  AKS ALL  D. Put the Airplane in a Serviceable Condition  SUBTRAN 73-1-42-84-903-760 (1) Do these steps to put the airplane in a serviceable condition: (a) Do this task: Close the Fan Cowl Panels, AMM TASK 71-11-02-410-80 (b) Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-811. 1) Remove the DO-NOT-OPERATE tag from the BAT switch on pane (c) Remove the DO-NOT-OPERATE tag from the applicable engine start lete.  E. Fuel Filter Replacement Test  SUBTRAN 73-1-42-799-901-790  CAUTION: DO NOT MOTOR THE ENGINE BEFORE VERIFYING THAT THE FULL PUMP PRES APPLIED TO THE FUEL PUMP INLET. THE FUEL PUMP AND THE IMECHANICAL UNIT ARE FUEL LUBRICATED, ZERO FUEL PRESS CAUSE DAMAGE TO THE FUEL PUMP AND THE HYDRO MECHAN  (1) Do the tests that are listed in the Power Plant Test Reference Table (AMM TASK 71-00-00-800-811-F00).  END OF TASK  EPPLACE THE RIGHT ENGINE FUEL F	Distable   Distable	b) Install the packing [5] in the groove of the drain plug [4]. c) Lubricate the threads of the drain plug [4] with oil, D00623 [CP5066]. d) Install the drain plug [4] in the fuel filter cover [6]. <1> Tighten the drain plug [4] to 45 in-lb (6 N·m) – 55 in-lb (6 N·m). e) Install the safety wire, G02345 [CP8001] or cable, G50065 [CP8006] on the drain plug [4].  AKS ALL  D. Put the Airplane in a Serviceable Condition  SUBTASK 73-11-03-040-080-700 (1) Do this task: Close the Fan Cowl Panels, AMM TASK 71-11-02-410-801-F00. (b) Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-811. 1) Remove the DO-NOT-OPERATE tag from the BAT switch on panel P5-13. (c) Remove the DO-NOT-OPERATE tag from the applicable engine start lever.  E. Fuel Filter Replacement Test  SUBTASK 73-14-02-790-091-700  CAUTION: DO NOT MOTOR THE ENGINE BEFORE VERIFYING THAT THE FUEL SPAR VALVE IS IN THE OPEN POSITION AND FUEL BOOST PUMP PRESSURE IS APPLIED TO THE FUEL PUMP NAID THE HYDRO MECHANICAL UNIT ARE FUEL LUBRICATED, ZERO FUEL PRESSURE CAN CAUSE DAMAGE TO THE FUEL PUMP NAD THE HYDRO MECHANICAL UNIT. (1) Do the tests that are listed in the Power Plant Test Reference Table (AMM TASK 71-00-00-800-811-F00).  END OF TASK  REPLACE THE RIGHT ENGINE FUEL FILTER  **EMPLIED TO THE FUEL PUMP NAD THE HYDRO MECHANICAL UNIT. (1) Do the tests that are listed in the Power Plant Test Reference Table (AMM TASK 71-00-00-800-811-F00).  END OF TASK  REPLACE THE RIGHT ENGINE FUEL FILTER  **EMPLIED TO THE FUEL PUMP NAD THE HYDRO MECHANICAL UNIT. (2) Do the tests that are listed in the Power Plant Test Reference Table (AMM TASK 71-00-00-800-811-F00).  END OF TASK  **EMPLIED TO THE FUEL PUMP NAD THE HYDRO MECHANICAL UNIT. (2) Do the tests that are listed in the Power Plant Test Reference Table (AMM TASK 71-00-00-800-811-F00).  **EMPLIED TO THE FUEL PUMP NAD THE HYDRO MECHANICAL UNIT. (3) Do the tests that are listed in the Power Plant Test Reference Table (AMM TASK 71-00-00-800-811-F00).  **EMPLIED TO THE FUEL PUMP NAD THE HYDRO MECHANICAL UNIT. (4) D



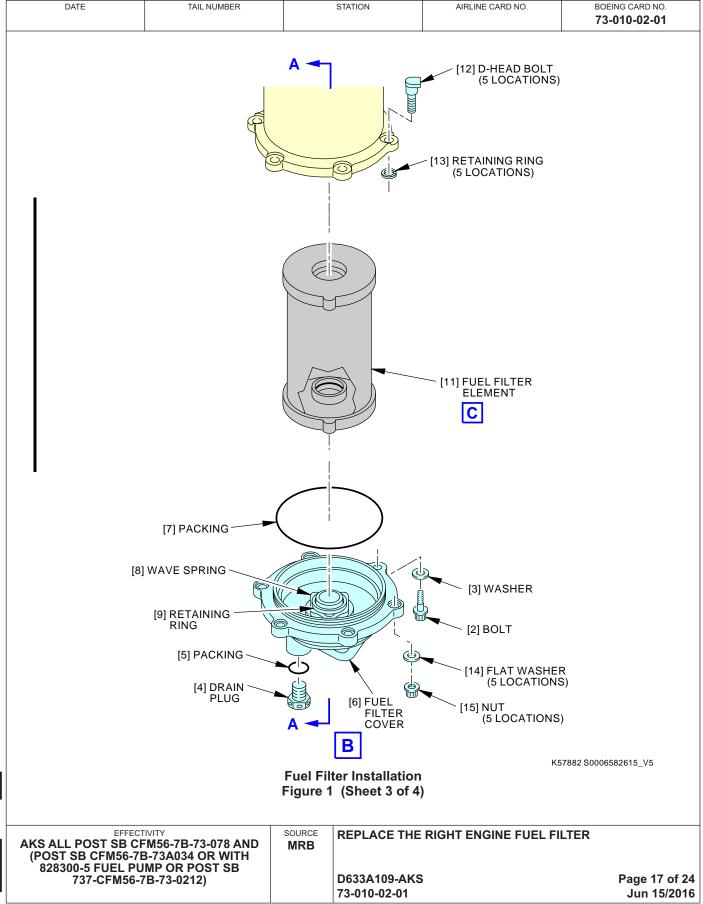
#### 737-600/700/800/900 TASK CARDS

DATE TAIL NUMBER STATION AIRLINE CARD NO. BOEING CARD NO. 73-010-02-01 MM-00203-00-B E91820 S0006582614\_V4 **Fuel Filter Installation** Figure 1 (Sheet 1 of 4) AKS ALL POST SB CFM56-7B-73A034 OR WITH 828300-5 FUEL PUMP OR POST SB 737-CFM56-7B-73-0212 SOURCE REPLACE THE RIGHT ENGINE FUEL FILTER **MRB** D633A109-AKS Page 15 of 24 Jun 15/2016 73-010-02-01

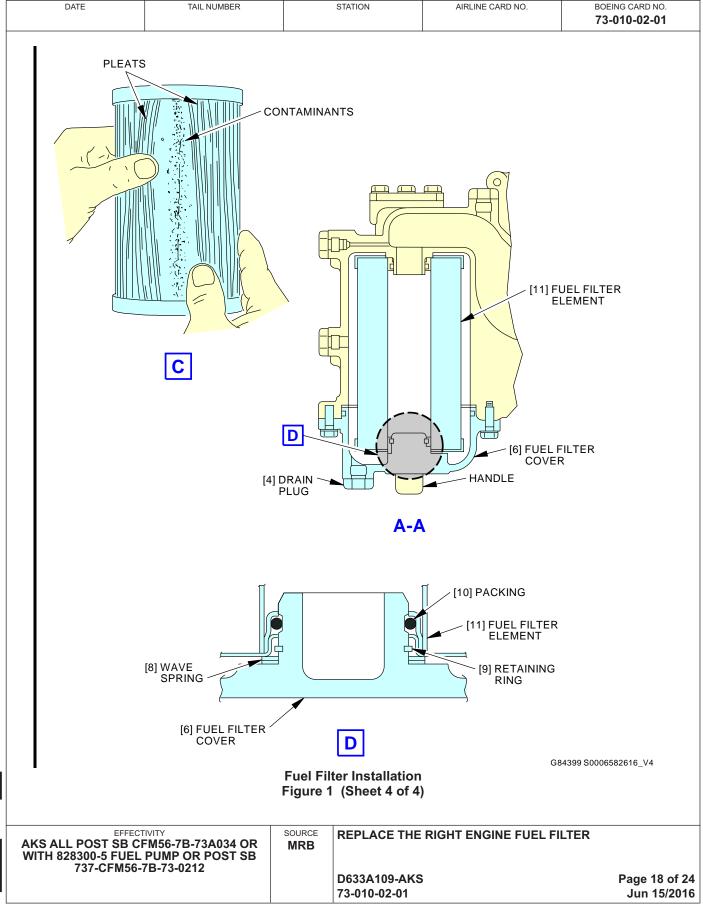








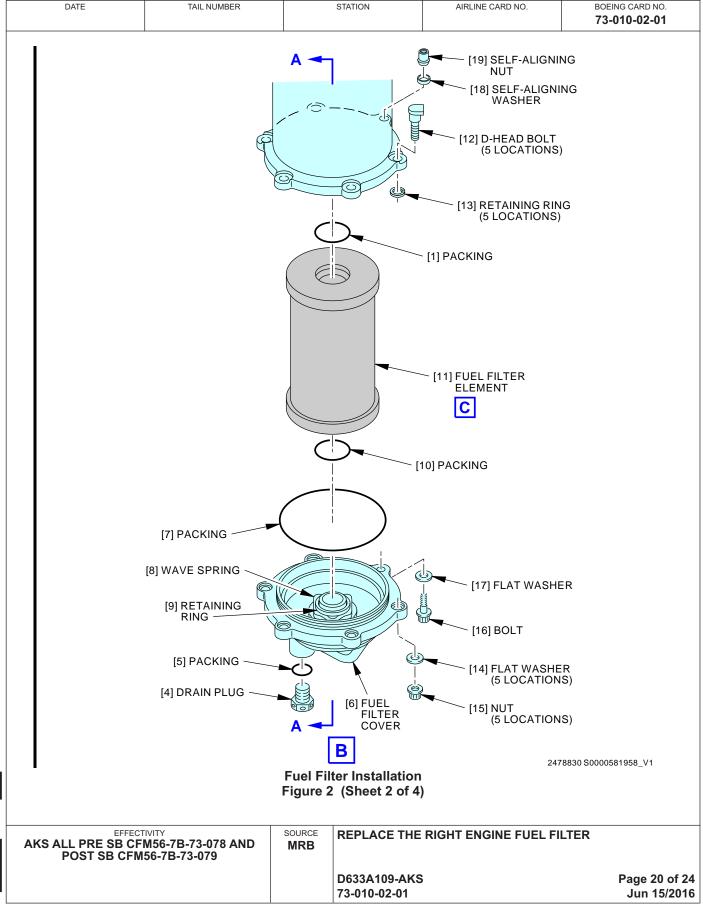




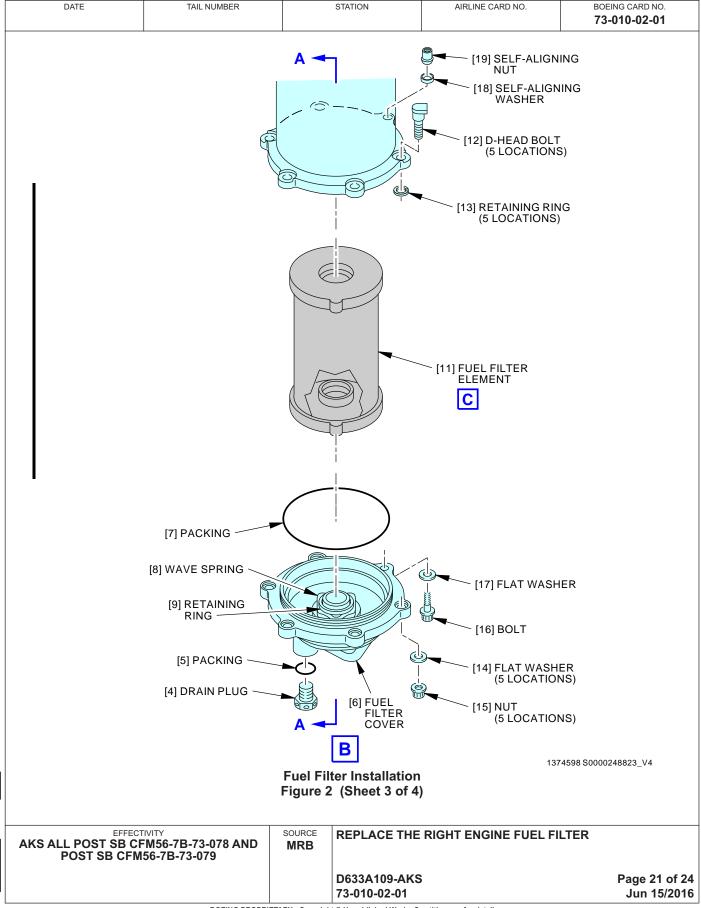
#### 737-600/700/800/900 TASK CARDS

STATION DATE TAIL NUMBER AIRLINE CARD NO. BOEING CARD NO. 73-010-02-01 MM-00203-00-B E91820 S0006582614\_V4 **Fuel Filter Installation** Figure 2 (Sheet 1 of 4) AKS ALL POST SB CFM56-7B-73-079 SOURCE REPLACE THE RIGHT ENGINE FUEL FILTER **MRB** D633A109-AKS Page 19 of 24 Jun 15/2016 73-010-02-01

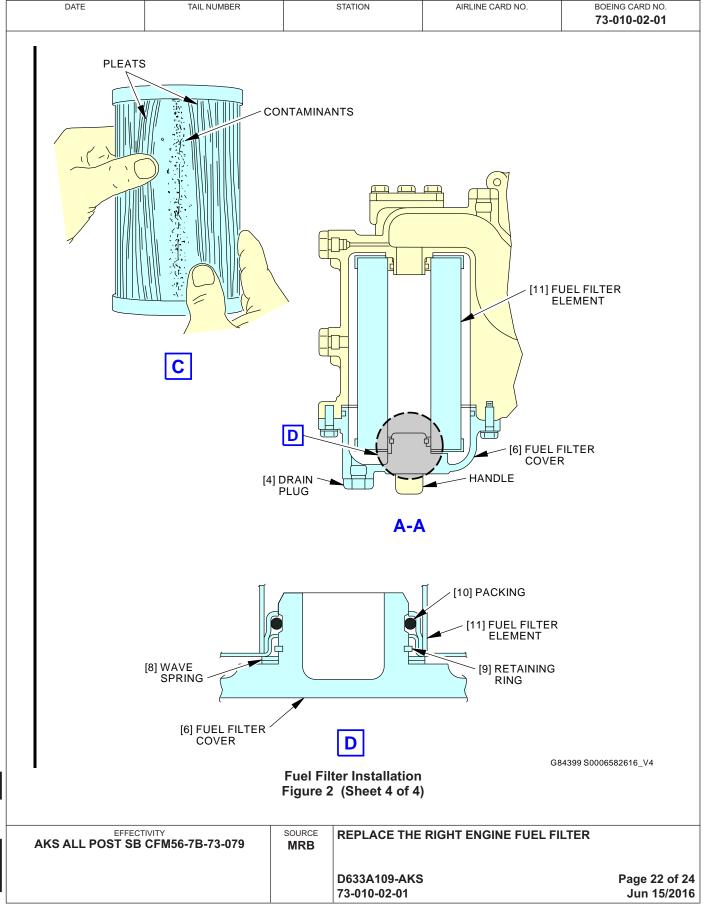




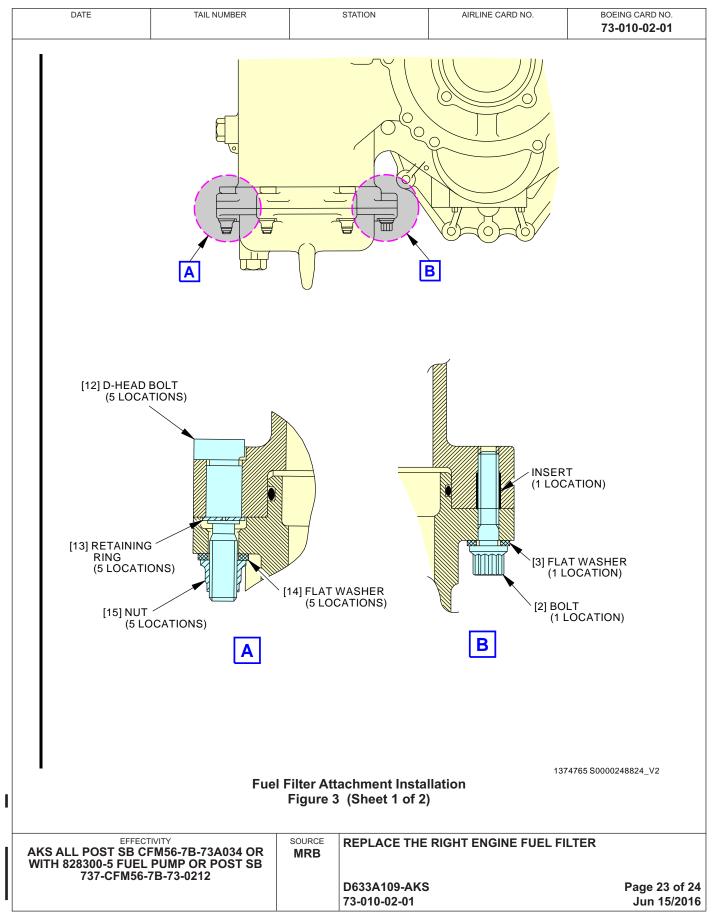














#### 737-600/700/800/900 TASK CARDS

DATE TAIL NUMBER STATION AIRLINE CARD NO. BOEING CARD NO. 73-010-02-01 [19] SELF-ALIGNING NUT / (1 LOCATION) [12] D-HEAD BOLT (5 LOCATIONS) [18] SELF-ALIGNING WASHER (1 LOCATION) [13] RETAINING RING (5 LOCATIONS) [17] FLAT WASHER [15] NUT -(1 LOCATION) (5 LOCATIONS) [14] FLAT WASHER (5 LOCATIONS) [16] BOLT (1 LOCATION) NOTE: DO NOT INTERMIX THE DIFFERENT SUPPLIERS HARDWARE (SELF-ALIGNING WASHER AND SELF-ALIGNING NUT FROM KIT PH030035-4 OR KIT NAS1727-4D) AND BOLT. 1374445 S0000248825\_V2 **Fuel Filter Attachment Installation** Figure 3 (Sheet 2 of 2) **EFFECTIVITY** SOURCE REPLACE THE RIGHT ENGINE FUEL FILTER AKS ALL POST SB CFM56-7B-73-079 **MRB** D633A109-AKS Page 24 of 24 Jun 15/2016 73-010-02-01





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

AIRLIN	E CARD NO	FMC CDU	TITLE FOR LEFT ENGIN	IE FAULTS	73-020	
DATE	TASK OPERATIONAL			RELATE	D CARD	
TAIL NUMBER	WORK AREA CREW CABIN	VERSION 1.1	THRESHOLD 150 FH	REPEAT 150 FH	APPLIC AIRPLANE	ABILITY ENGINE
STATION	SKILL ENGIN	NOTE			ALL	ALL
		ACCESS			ZONE <b>211 212</b>	

Interrogate the FMC CDU for left engine faults.

**INTERVAL NOTE:** A. If any short time faults are found, corrective action for their repair is required immediately. The frequency of this check may be modified provided the new interval plus the time the fault corrective action may be deferred does not exceed 150 hrs total, as required per ATA 05-17-01 of the engine shop manual CFMI-TP.SM.10.

> For example, check recent faults every 70 hrs and fix the reported short time faults within the next 80 hrs.

B. If any long time faults are found, corrective action for their repair is required with 425 hrs. The frequency of this check may be modified provided one half of the new interval plus the time the fault corrective action may be deferred does not exceed 500 hrs total, as required per ATA 05-17-01 of the engine shop manual CFMI-TP.SM.10.

For example, check recent faults every 70 hrs and fix the reported long time faults within the next 465 flight hours.

C. If any economic faults are found, repair is recommended on an opportunity basis.

#### References

Reference	Title
AMM 24-22-00-860-811	Supply Electrical Power (P/B 201)
AMM 73-21-00-700-804-F00	EEC TEST (P/B 501)
FIM 73-05 TASK 803	Ch A(B) EEC Data not Available - Fault Isolation
FIM 73-22 TASK 806	Engine Position Signal is out of Range - Fault Isolation

EFFECTIVITY AKS ALL	SOURCE MRB	FMC CDU FOR LEFT ENGINE FAULTS	
		D633A109-AKS 73-020-01-01	Page 1 of 6 Jun 15/2015



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

	DAT	ΓE			TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 73-020		
	TASK	73-	21-00	-740	-803-F00					MECH	INSF
۱.			TES	T - R	ECENT FAULTS						
	(Figure	e 1)									
	Α. (	Gen	eral								
	(	(1)			light Managemer EC BITE TEST.	nt Computer	/Control Display	y Unit (FMCS CDU) to o	do the		
	(	2)			BITE - Recent Fa ent flight legs.	aults proced	ure shows mair	ntenance messages for	the three		
			(a)	The	maintenance me	ssages are	stored in the El	EC and show on the FM	ICS CDU.		
			(b)	The	FMCS CDU show	ws the main	tenance messa	ges for only one engine	at a time.		
	(	3)	The I	FMC:	S CDU shows on	ly one main	tenance messa	ge on each screen.			
			(a)	The	FMCS CDU show	ws the page	you are on and	the total number of pa	ges.		
				ТОИ	ΓΕ: If the FMCS	CDU screer	shows 2/4, you	u are on page 2 of 4 page	ges.		
	(	4)			five categories of given below are		-	The time limited dispato	ch limits		
	NOTE: The CFM56-7B Engine Shop Manual (CFMI-TP.SM.10), ATA 05-17-0 certified authority for the Time Limited Dispatch.								11 is the		
	(a) ENGINE CONTROL LIGHT Faults - You ca							dispatch the airplane v	vith this fault.		
	• •					cause the E	NGINE CONTR	ROL Light to come ON.			
	(b) ALTERNATE MODE LI the dispatch limits.					LIGHT Faul	t - Refer to the I	Minimum Equipment Lis	st (MEL) for		
				NOT	ΓE: These faults	cause the A	LTN Mode Ligh	t to come ON.			
			(c)		— DRT TIME Fault - fault as follows:	Calculate th	ne remaining flig	ght hours that you can o	perate with		
				1)	-	tenance inte	erval your airline	hours - "Q", where "Q" uses to check the EE ategory.			
								every 70 flight hour, the ery 150 flight hours, the			
			(d)		IG TIME Fault - C fault as follows:	Calculate the	e remaining fligh	nt hours that you can op	erate with		
				1)		duled mainte	enance interval	hours - "S/2", where "S your airline uses to che ME category.			
NOTE: If your airline looks for EEC faults every 70 flight hour, then "S/2" If your airline looks for EEC faults every 150 flight hours, then "S/75.											
	(e) ECONOMIC Awareness Fault - There are no time limits for dispatch. Repair the problem at a convenient time.										
				CTIVITY		SOURCE MRB	FMC CDU FOR	LEFT ENGINE FAULTS			
							D633A109-AKS 73-020-01-01	;	I	Page 2	? of



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.		CARD NO. <b>0-01-01</b>	
					message numbers for t	ne most	MECH	INSF
		ree flight legs and o	ū	•	A file what have			
(a	, -	ht Legs 1 through 3	3 are the tr	ree most recen	it flight legs.			
(b		ht Leg 0:				1 6		
	1)	Can show mainted landing from the			cur more than 30 secon	ds after		
	2)	Can show the mo	ost recent (	ground run of th	e engine.			
			-		d more than once betwe the last ground run of th	-		
(c	) The	X below the flight	leg numbe	r indicates that	the fault occurred on th	at flight leg.		
	1)	For flight legs that number is blank.	at did not h	ave the fault, th	e space below the fligh	t legs		
B. Proced								
(1) D			ECENT EA	III TS data for F	Engine 1 or Engine 2:			
(1) Di					K 24-22-00-860-811.			
(a (b	•	access to the FM0						
(c)	•				screen on the FMCS C	חוו		
(0	•		•		e-ahead function. You n			
	NO				efore you type in the re			
(d	) Pus	h these line select	keys (LSK	) on the FMCS	CDU:			
	1)	INDEX						
	2)	MAINT						
		<del></del>	causes th	e MAINT BITE	INDEX screen to show			
	3)	ENGINE						
		NOTE: This LSK	causes th	e ENGINE/EXC	CEED BITE INDEX scre	en to show.		
	4)	Applicable ENGI	, ,	,				
,	, -	Also, the causes the EEC X and just before	ENGINE A he EEC to nd EEC SO re the ENG	X LSK automation initialize. The FORTING FAULT BINE X BITE TE	ITE TEST MAIN MENU cally applies power to t MCS CDU will show IN HISTORY DATA for a ST MAIN MENU shows	he EEC and ITIALIZING short time,		
(e	,	h the RECENT FA						
	<u>NO</u>	LSK, on the R maintenance r continue to sh	ecent Faul nessage th ow the oth	ts screen, will s nat shows on the er faults in the F	screen to show. The H how the fault history for e screen. The NEXT PA RECENT FAULTS form E X BITE TEST MAIN N	the AGE key will at. The		
1) If the FOR CH					/ screen shows, then, c lation, FIM 73-05 TASK			
	FFECTIVIT		source MRB	FMC CDU FOR	LEFT ENGINE FAULTS			
				D633A109-AKS	•		Page 3	

73-020-01-01

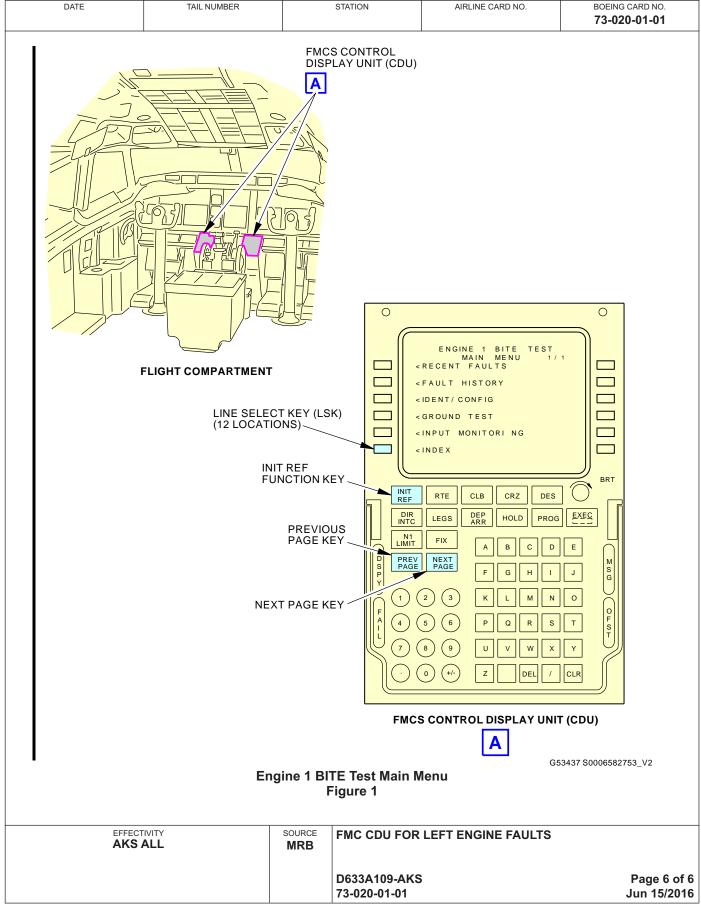


DATE	T	AIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA 73-020-		
	2) Rec	ord this data f	rom each	screen:			MECH	INSP
	a)	The Dispatch	n Level					
		CDL The ALTI then fault the (	J will displ ENGINE ERNATE the LONes. Refer to General S	lay the faults in CONTROL light MODE LIGHT faults, a the CFM56-7E tatement of this	at the top of the screen. the order of their dispat t faults will show first, the aults, then the SHORT and last the ECONOMIC Engine Shop Manual procedure for the Time category of message.	ch level. nen the TIME faults, C awareness 05-17-01, or		
	b)	Maintenance	Message	e Number				
		Cha 3=C Engi repo appl	pter, X = I hannels A ne Position rted with icable eno	EEC Channel (1 A and B), DDD = on (1=Engine 1, an engine posit gine, do the con	s format: AA - XDDDN. =Channel A, 2=Channel a unique fault number, 2=Engine 2). If the mention equal to zero, then the rective action for Engine 38N) (FIM 73-22 TASK	el B, and N = ssage is for the e Position		
	3) Pus	h the NEXT P	AGE key	to see the subse	equent maintenance me	essage.		
	a)	Continue to	oush the I	NEXT PAGE ke	y until you record all of	the faults.		
	4) If yo	ou want to go b	ack to the	e previous mess	sage, push the PREV P	AGE key.		
	,				d none of the ENGINE of Test, then, do this task			
	a)	Look for one	or more	of these Mainte	nance Message:			
	b)	73-10211, 73	3-10212, 7	73-20211 73-20	202, 73-30201, 73-302 212, 73-30211, 73-302 222, 73-30221 or 73-30	12,		
		CON caus EEC	ITROL lig ses proble cannot w	tht, but the prob ems with the EE vrite to the EEC	·	It also occurs, the		
(6)	c)				the messages that you			
	the scree	n will show the		om one of the to annel that has d	vo channels (A and B) data.	of the EEC,		
	,	mple:		(D) FEO 5 ***	NIOT AVAILABLE CON	NOT		
	ACC	CESS CHA (B	)		NOT AVAILABLE, CAN			
(-)	-				faults stored for the flig ULTS STORED.	ht legs 0		
* *	If you wis menu sho		ests, pusl	h the INDEX LS	K several times, until th	ne correct		
	S ALL		SOURCE MRB	FMC CDU FOR	LEFT ENGINE FAULTS			<u> </u>
				D633A109-AKS 73-020-01-01			Page 4 ct 15/	



DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING ( 73-020		
(i) 1	To end the test, push the	INIT RE	F key.			MECH	INSP
	NOTE: This causes the from the EEC.			ically removes electrica	al power		
	——- Е	END OF	TASK ———				
EFFECT AKS	TIVITY	SOURCE MRB	FMC CDU FOR	LEFT ENGINE FAULTS			
			D633A109-AKS 73-020-01-01		(	Page 5 Oct 15/	of 6 2015









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

AIRLINI	E CARD NO	FMC CDU FOR RIGHT ENGINE FAULTS		73-020		
DATE	TASK OPERATIONAL				RELATE	D CARD
TAIL NUMBER	WORK AREA CREW CABIN	VERSION 1.1	THRESHOLD 150 FH	REPEAT <b>150 FH</b>	APPLIC.	ABILITY ENGINE
STATION	SKILL ENGIN	NOTE			ALL	ALL
		ACCESS			ZONE <b>211 212</b>	

Interrogate the FMC CDU for right engine faults.

**INTERVAL NOTE:** A. If any short time faults are found, corrective action for their repair is required immediately. The frequency of this check may be modified provided the new interval plus the time the fault corrective action may be deferred does not exceed 150 hrs total, as required per ATA 05-17-01 of the engine shop manual CFMI-TP.SM.10.

> For example, check recent faults every 70 hrs and fix the reported short time faults within the next 80 hrs.

B. If any long time faults are found, corrective action for their repair is required with 425 hrs. The frequency of this check may be modified provided one half of the new interval plus the time the fault corrective action may be deferred does not exceed 500 hrs total, as required per ATA 05-17-01 of the engine shop manual CFMI-TP.SM.10.

For example, check recent faults every 70 hrs and fix the reported long time faults within the next 465 flight hours.

C. If any economic faults are found, repair is recommended on an opportunity basis.

#### References

Reference	Title
AMM 24-22-00-860-811	Supply Electrical Power (P/B 201)
AMM 73-21-00-700-804-F00	EEC TEST (P/B 501)
FIM 73-05 TASK 803	Ch A(B) EEC Data not Available - Fault Isolation
FIM 73-22 TASK 806	Engine Position Signal is out of Range - Fault Isolation

EFFECTIVITY	SOURCE	FMC CDU FOR RIGHT ENGINE FAULTS	
AKS ALL	MRB		
		D633A109-AKS	Page 1 of 6
		73-020-02-01	Jun 15/2015
			_



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

	[	DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 73-020		
	TAS	K 73-	21-00	)-740-803-F00					MECH	INSP
1.				T - RECENT FAULTS						
	(Fig	ure 1)								
	A.	Gen	eral							
		(1)		the Flight Managemen ne EEC BITE TEST.	t Computer	/Control Display	Unit (FMCS CDU) to c	lo the		
		(2)		EEC BITE - Recent Fa t recent flight legs.	ults proced	ure shows mair	tenance messages for	the three		
			(a)		ssages are	stored in the EE	EC and show on the FM	ICS CDU.		
			(b)	The FMCS CDU show	vs the main	tenance messa	ges for only one engine	at a time.		
		(3)	The	FMCS CDU shows onl	y one main	tenance messa	ge on each screen.			
			(a)	The FMCS CDU show	vs the page	you are on and	the total number of pag	ges.		
				NOTE: If the FMCS (	CDU screer	shows 2/4, you	ı are on page 2 of 4 pag	ges.		
		(4)		re are five categories or h are given below are f			The time limited dispatc	h limits		
			NOT	E: The CFM56-7B En certified authority for			P.SM.10), ATA 05-17-0 h.	1 is the		
			(a)	ENGINE CONTROL L	IGHT Faul	ts - You can not	dispatch the airplane w	ith this fault.		
				NOTE: These faults of	cause the E	NGINE CONTR	ROL Light to come ON.			
			(b)	ALTERNATE MODE I the dispatch limits.	₋IGHT Faul	t - Refer to the I	Minimum Equipment Lis	st (MEL) for		
				NOTE: These faults of	cause the A	LTN Mode Ligh	t to come ON.			
			(c)	SHORT TIME Fault - this fault as follows:	Calculate th	ne remaining flig	ht hours that you can o	perate with		
					enance inte	erval your airline	hours - "Q", where "Q" auses to check the EEC ategory.			
							every 70 flight hour, therery 150 flight hours, the			
			(d)	LONG TIME Fault - C this fault as follows:	alculate the	e remaining fligh	t hours that you can op	erate with		
					luled mainte	enance interval	hours - "S/2", where "S your airline uses to che //E category.			
							every 70 flight hour, then every 150 flight hours, th			
			(e)	ECONOMIC Awarene problem at a convenie		here are no tim	e limits for dispatch. Re	pair the		
				ECTIVITY S ALL	SOURCE MRB	FMC CDU FOR	RIGHT ENGINE FAULTS			
						D633A109-AKS 73-020-02-01			Page 2 eb 15/	
		_		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					_



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.		CARD NO. <b>0-02-01</b>	
` '		ent faults function w ree flight legs and o			message numbers for th	ne most	MECH	INSF
		ht Legs 1 through 3	_		nt flight legs.			
(k	,	ght Leg 0:						
·	1)	Can show mainted			cur more than 30 secon	ds after		
	2)	Can show the mo	ost recent o	ground run of th	ne engine.			
			-		d more than once betwe the last ground run of th	_		
(0	c) The	X below the flight	leg numbe	r indicates that	the fault occurred on th	at flight leg.		
	1)	For flight legs that number is blank.		ave the fault, th	e space below the fligh	t legs		
B. Proce	dure							
	73-21-00-74							
(1) 🗅					Engine 1 or Engine 2:			
(8	•				K 24-22-00-860-811.			
(k	•	t access to the FM0						
(0	•		•		screen on the FMCS Cl			
	NO				e-ahead function. You mefore you type in the res			
(0	d) Pus	sh these line select	keys (LSK	) on the FMCS	CDU:			
	1)	INDEX						
	2)	MAINT						
		NOTE: This LSK	causes th	e MAINT BITE	INDEX screen to show.			
	3)	ENGINE						
					CEED BITE INDEX scre	en to show.		
	4)	Applicable ENGI	NE X, (X =	1 or 2)				
		Also, the causes the EEC X a	ENGINE ) he EEC to nd EEC SO	X LSK automati initialize. The F DRTING FAULT	ITE TEST MAIN MENU cally applies power to the MCS CDU will show IN THISTORY DATA for a sest MAIN MENU shows	ne EEC and ITIALIZING short time,		
(6	e) Pus	sh the RECENT FA	ULTS LSK					
	<u>NO</u>	LSK, on the R maintenance r continue to sh	ecent Faul nessage th ow the oth	ts screen, will s nat shows on th er faults in the I	screen to show. The HI show the fault history for e screen. The NEXT PARECENT FAULTS forms EXBITE TEST MAIN N	the GE key will at. The		
	1)				Y screen shows, then, d lation, FIM 73-05 TASK			
	EFFECTIVIT AKS AL		source MRB	FMC CDU FOR	RIGHT ENGINE FAULTS			
				D633A109-AKS	3		Page 3	

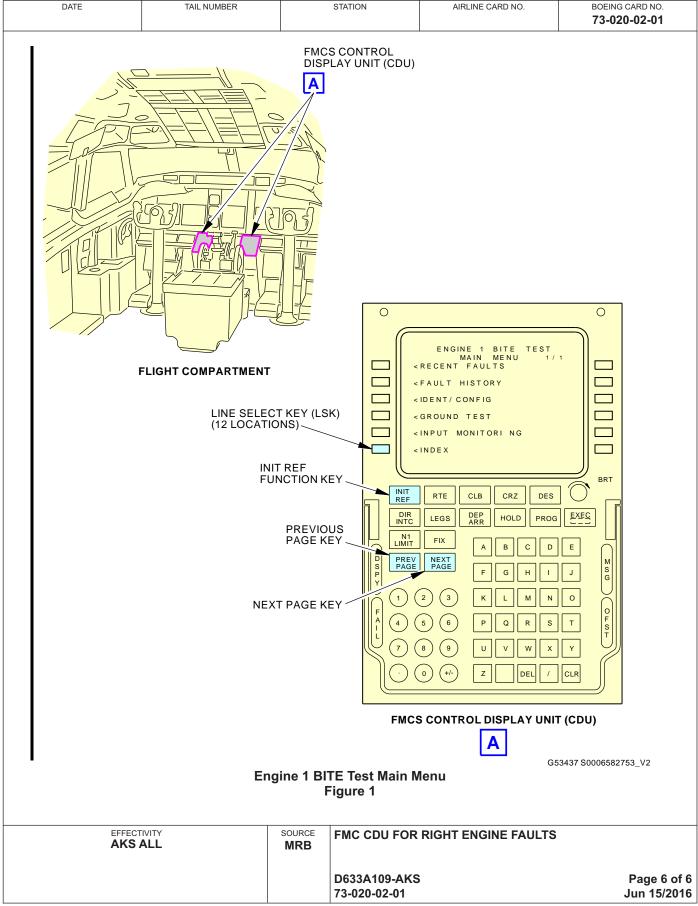


DATE		TA	AL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 73-020		
	2)	Rec	ord this data	from each	screen:			MECH	INSP
	,	a)	The Dispato	ch Level					
			CD The ALT ther faul the	U will disple ENGINE ERNATE In the LONe ts. Refer to General S	ay the faults in CONTROL light MODE LIGHT faults, as the CFM56-7E tatement of this	at the top of the screen. the order of their dispat t faults will show first, the aults, then the SHORT and last the ECONOMIC Engine Shop Manual procedure for the Time category of message.	ch level. en the TIME faults, C awareness 05-17-01, or		
		b)	Maintenanc	e Message	e Number				
			Cha 3=0 Eng repo	apter, X = I Channels A gine Position orted with olicable en	EEC Channel (1 and B), DDD = on (1=Engine 1, an engine positi gine, do the cori	s format: AA - XDDDN. a = Channel A, 2 = Channel a unique fault number, 2 = Engine 2). If the medion equal to zero, then frective action for Engine 38N) (FIM 73-22 TASK	el B, and N = ssage is for the e Position		
	3)	Pusl	h the NEXT F	PAGE key	to see the subse	equent maintenance me	essage.		
		a)	Continue to	push the I	NEXT PAGE ke	y until you record all of	the faults.		
	4)	If yo	u want to go	back to the	e previous mess	sage, push the PREV P	AGE key.		
	5)	light		how during	the EEC BITE	d none of the ENGINE ( Test, then, do this task:			
		a)	Look for one	e or more	of these Mainte	nance Message:			
		b)	73-10211, 7	3-10212,	73-20211 73-20	202, 73-30201, 73-302 212, 73-30211, 73-3021 222, 73-30221 or 73-30	12,		
			CO cau EE0	NTROL lig ses proble C cannot w	ht, but the problems with the EE write to the EEC	•	It also occurs, the		
		c)				the messages that you			
(f)		screer	n will show th		om one of the twannel that has d	vo channels (A and B) oata.	of the EEC,		
	1)		mple:						
			R CH B (A) OI CESS CH A (E		(B) EEC DATA	NOT AVAILABLE, CAN	NOT		
(g)						faults stored for the flig ULTS STORED.	ht legs 0		
(h)	-	u wisl u sho		tests, pusl	n the INDEX LS	K several times, until th	e correct		
	ECTIVITY S ALL			SOURCE MRB	FMC CDU FOR	RIGHT ENGINE FAULTS		1	
					D633A109-AKS 73-020-02-01			Page 4 Oct 15/	
					i .				



DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C. 73-020		
(i) T	To end the test, push the	INIT RE	F key.			MECH	INSP
	NOTE: This causes the from the EEC.			tically removes electrica	al power		
	——— Е	ND OF	TASK ———				
EFFECT <b>AKS</b> A	TIVITY	SOURCE	FMC CDU FOR	RIGHT ENGINE FAULTS			
AK5	MLL	MRB					
			D633A109-AKS		ا	Page 5	of 6









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

AIRLINE	AIRLINE CARD NO  TITLE  REMOVE THE LEFT ENGINE HYDRO  MECHANICAL UNIT FOR INSPECTION			BOEING CARD NO. 73-030-01-01		
DATE	TASK RESTORE	MECHAN	ICAL UNIT FOR IN	SPECTION	RELATE	D CARD
TAIL NUMBER	WORK AREA  LEFT ENGINE	VERSION 1.1	THRESHOLD 300 FH	REPEAT 300 FH	APPLIC	
STATION	SKILL ENGIN				AIRPLANE 800	ENGINE ALL NOTE
		ACCESS 413			ZONE <b>411</b>	

Remove the left engine hydro mechanical unit for inspection per Service Bulletin CFM 56-7B 73-016.

**SPECIAL NOTE:** CMR task (73-CMR-01) interval for this task is 300 FH. See MPD Section 9.

**ENGINE NOTE:** Applicable to engine hydro mechanical unit P/N 1853M56P04 or P/N 1853M56P05.

#### 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 70-20-02-400-801-F00	Tightening Practices and Torque Values (P/B 201)
AMM 70-30-01-910-802-F00	Seals (Preformed Packings and O-Rings) and Gaskets (P/B 201)
AMM 71-00-00-700-821-F00	Dry Motor the Engine (P/B 201)
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 72-00-00-980-801-F00	Turn the N2 Rotor (P/B 201)
AMM 73-11-01-000-801-F00	Fuel Pump Package Removal (P/B 401)
AMM 73-11-01-400-801-F00	Fuel Pump Package Installation (P/B 401)
AMM 73-21-09-000-801-F00	High Pressure Shutoff Valve (HPSOV) Switch Removal (P/B 201)
AMM 73-21-09-400-801-F00	High Pressure Shutoff Valve (HPSOV) Switch Installation (P/B 201)

#### B. Consumable Materials

Reference	Description	Specification
D00601	High-temperature graphite compound	SAE AMS 2518
[CP2101]		
D00623	Oil - Fuel System, Corrosion Preventive	MIL-PRF-6081, Grade 1010
[CP5066]		
G00624	Bag - Plastic, General Purpose	
G00920	Tape - Waterproof, Packaging	ASTM D5486
G02345	Wire - Safety, 0.032 Inch (0.8 mm) Diameter	CFM CP8001, AMS 5687
[CP8001]		
G50065	Cable, Safety, Stainless Steel, 0.032 inch (0.813	M50 TF 9 CL-A
[CP8006]	mm) Diameter	

EFFECTIVITY AKS ALL	SOURCE CMR	REMOVE THE LEFT ENGINE HYDRO MECHINSPECTION	IANICAL UNIT FOR
		D633A109-AKS 73-030-01-01	Page 1 of 23 Jun 15/2016





DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO 73-030-01-0
C. Tools/Equip	ment		·	
show	wn are alternates to eac	h other within the sam	der the same "Reference" ne airplane series. Tool par :", which stands for Option	t numbers that ar
Reference	Desci	ription		
SPL-2358	Set - A	Adapter, Torque Hydro	omechanical UN & MN Fue	el Pump Nuts
		#: 856A1827G01 Sเ		
STD-1054	Conta	iner - Fuel Resistant,	5 Gallon (19 Liters)	

EFFECTIVITY AKS ALL	SOURCE	REMOVE THE LEFT ENGINE HYDRO MECHANICATION	AL UNIT FOR
		D633A109-AKS 73-030-01-01	Page 2 of 23 Jun 15/2015



НМ	SK 73.							13-030-	-01-01	
НМ		21-10	-000-8	801-F00					MECH	ı
	U Ren			.01100						Ī
(FIG	ure 1)									ĺ
Α.	Gen	oral								ĺ
Α.	(1)		нмпі	s connected to	the fuel numn a	ssembly that is at t	he 8:00 o'clock n	osition on		
	(')			of the accesso		osombly that is at t	110 0.00 0 0100K p	ooition on		
В.	Ехр	endak	oles/Pa	arts						
	-	M Iten		escription		AIPC Reference	AIPC Effective	ity		
		2	P	lug		Not Specified				
		3	С	-ring		Not Specified				
C.	Pre	pare fo	or the	Removal						
	SUBTA	ASK 73-21	I-10-840-0	01-F00						
	(1)	Do th	nese s	teps to isolate t	he fuel system:					
		(a)	Do th	is task: Supply	Electrical Powe	r, AMM TASK 24-22	2-00-860-811.			
		(b)	Make	sure the engine	e start lever is ir	n the CUTOFF pos	tion.			
		<ol> <li>Install a DO-NOT-OPERATE tag on the applicable engine start lever.</li> </ol>								
	(c) Make sure the FUEL VALVE CLOSED (engine fuel shutoff valve) light on the fuel control panel (P5 overhead panel) is dim.							n the fuel		
			NOTE	_	n transition; 2) o	shutoff valve has the dim when the valve	. ,	-		
		(d)		sure the SPAR ) is dim.	VALVE CLOSE	ED light on the fuel	control panel (P5	overhead		
			NOTE	_	ansition; 2) dim	valve has three powhen the valve is c	, -			
		(e)	Do th	is task: Remove	e Electrical Pow	er, AMM TASK 24-	22-00-860-812.			
			NOTE	electrical and airplane after	d fluid connecto	l power is necessal rs. You can reapply rical and fluid conne stalled.	electrical power	to the		
			,	Make sure that DO-NOT-OPER		on panel P5-13 is	set to OFF and ir	nstall a		
		(f)	Do th	is task: Open th	e Fan Cowl Pa	nels, AMM TASK 7	1-11-02-010-801-	-F00.		
	SUBTA	ASK 73-21	I-10-680-0	02-F00						
	(2)	Do th	nese s	teps to drain the	e fuel from the f	uel pump:				1



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

DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.		CARD NO. <b>)-01-01</b>			
WA	AWAY FROM S	ATHE THE SPARKS, I LIQUID TH	FUMES FROM FLAME, AND HI HAT CAN CAUS	OR EYES, OR ON YO I THE FUEL. KEEP TH EAT. FUEL IS POISON E INJURIES TO PERS	IE FUEL IOUS AND	MECH			
(a)				STD-1054 below the fo	uel pump.				
(b)	Remove the drain plug	•							
(c)	Let the fuel drain in the	e containe	r.						
(d)	Remove and discard t	he O-ring	[3] from the drain	n plug [2].					
WA	RNING: DO NOT LET (			I. YOU CAN ABSORB DIL THROUGH YOUR	SKIN.				
(e)	Lubricate a new O-ring	g [3] with o	oil, D00623 [CP5	6066].					
(f)	Install a new O-ring [3	] on the dr	ain plug [2].	-					
(g)	Lubricate the threads	- of the draiı	n plug [2] with oi	I, D00623 [CP5066].					
(h)	Install the drain plug [2	2].							
	Tighten the drain meters).	plug to a	torque of 45-55	pound-inches (5.0-6.2	Newton				
(i)	Install safety wire, G02 [2].	2345 [CP8	001] or cable, G	50065 [CP8006] on the	e drain plug				
D. Remove	the HMU								
SUBTASK 73-21-10-020-001-F00									
` ,	connect these electrical								
<u>NO</u>	TE: If it is necessary, you nuts on the connect		soft-nose conne	ector pliers to loosen th	ne coupling				
(a)	The DP1203 (MWO31	,	tor						
(b)	The DP0501 (J5) conr								
(c)	The DP1207 (MWO31	,	tor						
(d)	The DP0601 (J6) conr								
(e)				erential pressure switch	٦.				
(f)	•	Install protective covers on the plugs and the receptacles.							
	damaged.			ay, to make sure that t	•				
	<ul><li>a) If it is neces</li><li>way.</li></ul>	ssary, use	lockwire or tape	to keep the connector	s out of the				
	SUBTASK 73-21-10-210-001-F00								
	ke sure that the containe	•							
(a)	As you disassemble th	ne fuel sys	tem, let the unw	anted fluids drain into f	the container				
	EECTIVITY (S ALL	SOURCE CMR	REMOVE THE I	LEFT ENGINE HYDRO N	/IECHANICAL	UNIT FO			
			D633A109-AKS	<b>;</b>		Page 4 of			

73-030-01-01

Jun 15/2016



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

DATE		TAIL NUMBER STATION		STATION	AIRLINE CARD NO.	73-030-01-0		
SUBTASK 73-2	21-10-010-001-	F00					MECH	INSF
	USE THE F	TWO WRENCHI FITTING, AND T	HE OTHE	R TO LOOSEN	OUPLING NUT. USE ON I THE COUPLING NUT SE DAMAGE TO THE			
(2) Dice		he hoses from the	o ⊔MII [1	11.				
(3) Disc (a)		o wrenches to di	-	-				
(α)					e wrenches can be use	d at the		
	<u>INOTE</u> .	same time.	arrangeu	so that the sam	e wieliches can be use	u at the		
	1) Th	ne LPT hose [4]						
	,	ne HPT hose [5]						
VK6 VII	DDE SD	CFM56-7B 73-4	4					
ANO ALL		ne BSV hose [10						
	,	_	-	ИI SB 73-044 d	o not have the BSV hos	e [10]		
AKS ALL								
	4) Th	ne TBV hose [12	2].					
(b)	Use two	o wrenches to di	sconnect	these hoses:				
	1) Th	ne VSV hose (R	OD) [6]					
	2) Tł	ne VBV hose (C	LOSED) [	8]				
	3) Th	ne PCR hose [1	1].					
(c)	Use two	o wrenches to di	sconnect	these hoses:				
	1) Th	ne VSV hose (H	EAD) [7]					
	2) Th	ne VBV hose (O	PEN) [9].					
(d)	Install p	protective covers	on the ho	oses and the HI	MU.			
	1) If	it is necessary, ı	use lockwi	re or tape to ke	ep the hoses out of the	way.		
SUBTASK 73-2	21-10-020-007-	F00						
CAUTIO	THE	FITTING, AND T	HE OTHE	R TO TURN TH	OUPLING NUT. USE ON HE COUPLING NUT. IF HE EQUIPMENT CAN (	YOU DO		
(4) Do	these ste	ps to remove the	e fuel tube	e [17] from the H	HMU:			
(a)	Use two	o wrenches to di	sconnect	fuel tube [17] fr	om fuel tube [19].			
(b)	Remove [1].	e the four bolts [	[16] that h	old the tube [17	] and the gasket [18] to	the HMU		
	NOTE:		ove the tv	vo inboard bolts	6], a 20 inch (50 cm) ex a. A 2 inch (5 cm) deep- d bolts.			
crr	FCTI\/!TV	T	SUIDCE	DEMOVE THE	EET ENGINE UVDDO M	ECHANICA: :	INIT	
	S ALL		SOURCE CMR	REMOVE THE I	LEFT ENGINE HYDRO M	ECHANICAL (	JNII F	·UR

D633A109-AKS

73-030-01-01

Page 5 of 23



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	73-030			
	. ,	Remove the nut [21], the bracket.	oolt [22] an	d the clamp [20	that hold the tube [17]	to the	MECH	INS	
			nd the bolt	[22] also hold a	clamp for the oil tube [	151.			
		Let the additional				. 0].			
	(d) Remove the nut [23], bolt [24], and clamp [25] that hold the tube [17] to the bracket.								
(e) Remove the fuel tube [17].									
	(=)			able, then keep	it with the tube for the s	ubsequent			
			this task ( <i>A</i> ntenance p		0-01-910-802-F00) for	gasket and			
	(f)	Install protective cover	s on the fu	iel tube [17], fue	l tube [19] and the HMl	J [1].			
SUBTAS	K 73-21-	10-030-001-F00							
CAUT	<u>ΓΙΟΝ</u> :	IN ITS POSITION. O CONNECTION. IF Y	WRENCH NE WREN OU DO NO	H WILL HOLD C ICH WILL TURN OT OBEY THIS	I OR TIGHTEN THE INE SIDE OF THE CON I THE OTHER SIDE OF TWO-WRENCH PROC CTION COMPONENTS	THE EDURE,			
(5)	Do th	ese steps to remove th	ne fuel tube	e [43] from the s	ervo-fuel heater inlet po	ort.			
(	. ,	Use two wrenches to oport.	disconnect	the fuel tube [43	3] from the servo-fuel h	eater inlet			
(	(b)	Use two wrenches to d	disconnect	the fuel tube [43	3] from the fuel pump.				
	(c)	Install protective cover	s on the fu	iel tube [43], ser	vo-fuel heater and fuel	pump.			
SUBTAS	K 73-21-	10-020-008-F00							
CAUT	TION:	THE FITTING, AND	THE OTHE	ER TO TURN TH	UPLING NUT. USE ON HE COUPLING NUT. IF HE EQUIPMENT CAN (	YOU DO			
(6)	Do th	ese steps to remove th	ne fuel tube	e [39] from the H	IMU and the servo-fuel	heater:			
(	(a)	Use two wrenches to d	disconnect	the fuel tube [39	9] from the servo-fuel h	eater.			
(	` '	Remove the four bolts HMU [1].	[27] that h	old the fuel tube	e [39] and the gasket [2	6] to the			
	(c)	Remove fuel tube [39].							
		If the gasket [26] is serviceable, then keep it with the tube for the subsequent installation.							
			this task ( <i>F</i> ntenance p		60-01-910-802-F00) for	gasket and			
(	(d)	Install protective cover	s on the fu	ıel tube [39], ser	vo-fuel heater, and HM	U.			
		TIVITY	SOURCE		EFT ENGINE HYDRO M	ECHANICAL I	JNIT F	FOI	
	ANO	ALL	CMR	D633A109-AKS			age 6		

73-030-01-01



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

DATE	TAIL NUMBER	ł .	STATION	AIRLINE CARD NO.	BOEING C. <b>73-030</b> -		
SUBTASK 7	/3-21-10-020-009-F00					MECH	INSI
	ON: USE TWO WRI	AND THE OTH	ER TO TURN TH	OUPLING NUT. USE O HE COUPLING NUT. II HE EQUIPMENT CAN	F YOU DO		
(7) De	o these steps to rem				000011.		
(a	•			om fuel tube [38].			
(b	•			e [33] and the gasket [	34] to the		
(c	) Remove the nut   bracket.	[35], bolt [36], a	nd clamp [37] th	at hold the fuel tube [3	3] to the		
	•			en the clamps that hol el pump package.	d the fuel		
		s will permit you nove the fuel tub		be [38] and can make	it easier to		
(d	•						
	<ol> <li>If the gaske installation.</li> </ol>	t [34] is service	able, then keep	it with the tube for the	subsequent		
		er to this task (A I maintenance		30-01-910-802-F00) fo	r gasket and		
(e	) Install protective	covers on the fo	uel tube [33], the	fuel tube [38], and the	e HMU.		
SUBTASK 7	73-21-10-020-010-F00						
CAUTIO	THE FITTING,	AND THE OTH	ER TO TURN TH	OUPLING NUT. USE O HE COUPLING NUT. II HE EQUIPMENT CAN	F YOU DO		
(8) R	emove drain tubes [3						
(a	) Use two wrenche	s to disconnect	t the drain tube [	30] from the drain tube	e [29].		
(b	) Use two wrenche	s to disconnect	t the drain tube [	30] from the bottom of	the HMU.		
(c	) Remove the drain	n tube [30].					
	1) Install prote HMU.	ctive covers on	the drain tube [3	30], the drain tube [29]	and the		
(d	) Use two wrenche	s to disconnect	t the drain tube [	31] from the drain tube	e [28].		
(e	) Use two wrenche	s to disconnect	t the drain tube [	31] from the drain.			
(f	Remove the drain	n tube [31].					
	<ol> <li>Install prote drain.</li> </ol>	ctive covers on	the drain tube [	31], the drain tube [28]	and the		
	FFECTIVITY AKS ALL	SOURCE	REMOVE THE I	LEFT ENGINE HYDRO I	MECHANICAL	JNIT F	OI
			D633A109-AKS			age 7	

73-030-01-01



DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	73-030		
SUBTASK 73-21-1	10-020-005-F00				'	MECH	INSP
WARNING	: BE CAREFUL WHEN (18 KILOGRAMS). TH DAMAGE TO THE EQ	E WEIG	HT CAN CAUSI	THE HMU WEIGHS 40 E INJURIES TO PERSO			
CAUTION:	DO NOT LIFT THE HM SHAFT SUPPORT THE SUPPORTS THE WEIG HMU SEALS.	E WEIGH	HT OF THE HM	U. IF THE DRIVE SHAP	=T		
(9) Do the	ese steps to disconnect	the HMU	[1] from the fue	el pump:			
(a)	Remove the six nuts [40]	] and wa	shers [41] that h	nold the HMU [1] to the	fuel pump.		
!	NOTE: The three outbook are on the HMU.		s are on the fuel	pump and the three inl	board studs		
	1) Use the set, SPL-2	358 to g	et access to the	center and lower inboa	ard studs.		
			•	can insert a long exter			
(b)	Remove the HMU [1].						
(c)	Remove the gasket [42].						
	1) Examine the gaske TASK 70-30-01-910			s, dents and cuts (AMN	Л		
	a) If the gasket i	s service	eable, keep it for	r the subsequent install	ation.		
	b) If the gasket i	s not ser	viceable, replac	ce it.			
(d)	Install protective covers	on the m	ating surfaces of	of the HMU [1] and the	fuel pump.		
(e)	To drain the fuel by gravi	ty from t	he HMU, do the	ese steps:			
<u> </u>	NOTE: The HMU canno cannot be flushe	-	•	dous waste (fuel) inside	. The HMU		
	1) Let the HMU sit on	each of	its four sides for	r approximately one mir	nute.		
	2) Install protective con hardware from the			tings of the HMU. Use	the		
(f)	Pack the HMU in two to	three pla	stic bag, G0062	24 or equivalent.			
	1) Remove as much a	air as pos	ssible from the b	pags.			
	2) Seal each bag with	waterpr	oof tape, G0092	20.			
	——-	END OF	TASK ———				
EFFEC AKS		SOURCE CMR	REMOVE THE LINSPECTION	LEFT ENGINE HYDRO M	ECHANICAL	UNIT F	OR
			D633A109-AKS 73-030-01-01			age 8 o	
	DOEING BRODDIETA	DV Cl	t © Unnublished Work - Se	4541			



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

DATE				TAIL NUMBE	R		STATION	AIRLINE CARD NO.	BOEING C 73-030			
	73-C	MR-0	)1							MECH	INSP	
	TASK 73-21-10-200-801-F00 HMU Inspection											
2.	HMU											
	A.	General (A) This is a line of the second of										
		<ul><li>(1) This task includes the steps to examine (Internal) the HMU.</li><li>(2) The HMU is connected to the fuel pump assembly on the aft side of the accessory</li></ul>										
		gearbox.										
	B. Procedure											
		subtask 73-21-10-210-008-F00  (1) If a HMU part number 1853M56P04 or 1853M56P05 is installed, refer to CFM SB 73-016.										
			75-010	- -	—— Е	ND OF	TASK ———					
			EFFECT AKS	IVITY <b>ALL</b>		SOURCE CMR	REMOVE THE LINSPECTION	EFT ENGINE HYDRO M	ECHANICAL	UNIT F	OR	
									_	_		
							D633A109-AKS 73-030-01-01			age 9 ( Oct 15/		



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

DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO.
				73-030-01-01
				'

TASK 73-21-10-400-801-F00

MECH INSP

#### 3. HMU Installation

(Figure 1)

#### A. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	HMU	Not Specified	
18	Gasket	Not Specified	
26	Gasket	Not Specified	
34	Gasket	Not Specified	
42	Gasket	Not Specified	

#### B. Prepare for the Installation

SUBTASK 73-21-10-840-002-F00

- (1) Do these steps to clean and examine the components for the HMU [1] installation:
  - (a) Remove the protective covers from the HMU [1], the fuel pump, and the fuel tube connections.
  - (b) Thoroughly clean the mating surfaces and the adjacent areas of the components.
    - NOTE: Failure to clean the adjacent area can cause bubbles after HMU installation is complete.
  - (c) Examine the component mating surfaces and the adjacent areas to make sure that they are serviceable.
    - 1) Replace the components that are not serviceable.
  - (d) Re-install the protective covers on the HMU [1], the fuel pump, and the fuel tube connections.

#### SUBTASK 73-21-10-210-003-F00

- (2) Examine the studs on the fuel pump:
  - (a) If the threads on the fuel pump studs are not serviceable, then replace the fuel pump.

These are the tasks:

Fuel Pump Package Removal, AMM TASK 73-11-01-000-801-F00,

Fuel Pump Package Installation, AMM TASK 73-11-01-400-801-F00.

(b) Use your hand to move the ends of the fuel pump studs.

NOTE: The three studs on the fuel pump are key locked studs. Due to the locking mechanism, you can feel a small lateral movement of the end of the studs.

- 1) If the ends of the studs move 0.062 inch (1.6 mm) or greater, then do these steps:
  - a) Use a small hammer and a punch to lightly hit the studs keys into the fuel pump housing.
  - b) Continue to lightly hit the keys until the stud movement is in the limits, or the key is flush with the inserted end of the stud.

EFFECTIVITY AKS ALL	SOURCE	REMOVE THE LEFT ENGINE HYDRO MECINSPECTION	HANICAL U	INIT F	OR
		D633A109-AKS 73-030-01-01		je 10 o in 15/2	- 1





		TA	AIL NUMBER	STATION	AIRLINE CARD NO.	73-030-	
		c)	If you can not pump.	get the stud movement	into the limits, then rep	lace the fuel	MECH
			These are the	tasks:			
			Fuel Pump Pa	ackage Removal, AMM <sup>-</sup>	TASK 73-11-01-000-801	1-F00,	
			Fuel Pump Pa	ackage Installation, AMN	И TASK 73-11-01-400-8	01-F00.	
		2) If the	e stud moveme	nt is in the limits, then c	ontinue.		
Ał	KS ALL	PRE SB 73	87-CFM56-7B-7	3-067			
SUI	BTASK 73-2	1-10-430-001-F00	)				
(3)	•	s necessar ice bulletin	•	high pressure shutoff va	alve (HPSOV) switch pe	er the	
	(a)	TASK 73-	21-09-000-801	Pressure Shutoff Valve ( -F00, and High Pressure 73-21-09-400-801-F00.			
Ał	KS ALL	PRE SB 73	37-CFM56-7B-7	3-0108			
		1-10-210-007-F00					
(4)			-	correct HMU, refer to th			
	(a)		•	1853M56P10 or P12 do be deactivated for this h		0 0	
Ał	KS ALL						
C. H	MU Inst	allation					
91119	BTASK 73-2	1-10-420-002-F00	)				
301							
	ARNIN	(18 KIL		YOU MOVE THE HMU. E WEIGHT CAN CAUSI UIPMENT.			
W		(18 KIL DAMAC I: DO NO SHAFT	OGRAMS). TH GE TO THE EQ I LIFT THE HM SUPPORT THI RTS THE WEIG	E WEIGHT CAN CAUSI	E INJURIES TO PERSO FT. DO NOT LET THE I U. IF THE DRIVE SHAF	ONS AND  ORIVE  T	
W	AUTION	(18 KIL DAMAC I: DO NO SHAFT SUPPO HMU SE	OGRAMS). TH GE TO THE EQ I LIFT THE HM SUPPORT THI RTS THE WEIG	E WEIGHT CAN CAUSI UIPMENT. U BY THE DRIVE SHAI E WEIGHT OF THE HM GHT OF THE HMU, IT C	E INJURIES TO PERSO FT. DO NOT LET THE I U. IF THE DRIVE SHAF	ONS AND  ORIVE  T	
<u>W</u>	AUTION	(18 KIL DAMAC I: DO NOT SHAFT SUPPO HMU SE all the HML	OGRAMS). THE EQUITY THE EQUITY THE HM SUPPORT THE RTS THE WELD EALS.  J [1] on the fueld the three study	E WEIGHT CAN CAUSI UIPMENT. U BY THE DRIVE SHAI E WEIGHT OF THE HM GHT OF THE HMU, IT C	E INJURIES TO PERSO FT. DO NOT LET THE I U. IF THE DRIVE SHAI CAN CAUSE DAMAGE	ONS AND ORIVE =T TO THE	
<u>W</u>	AUTION	(18 KIL DAMAC I: DO NOT SHAFT SUPPO HMU SE all the HMU Lubricate [CP2101]	OGRAMS). THE EQUITY THE HM SUPPORT THE WERNESTHE WERNESTHE WERNESTHE WERNESTHE WERNESTHE STALS.	E WEIGHT CAN CAUSI UIPMENT. U BY THE DRIVE SHAI E WEIGHT OF THE HM GHT OF THE HMU, IT C	E INJURIES TO PERSO FT. DO NOT LET THE I U. IF THE DRIVE SHAP CAN CAUSE DAMAGE Graphite compound, DO	ONS AND ORIVE T TO THE	
<u>W</u>	AUTION ) Insta (a) (b)	(18 KIL DAMAC I: DO NOT SHAFT SUPPO HMU SE all the HMU Lubricate [CP2101] Lubricate	OGRAMS). THE GETO THE EQUITY THE HM SUPPORT THE RTS THE WEIGHTS.  Jeff [1] on the fuelethe three students.  The three students.	E WEIGHT CAN CAUSI UIPMENT.  U BY THE DRIVE SHAINE WEIGHT OF THE HM GHT OF THE HMU, IT COMPONIES ON the fuel pump with a second control of the fuel pump with a second control	E INJURIES TO PERSO  FT. DO NOT LET THE I U. IF THE DRIVE SHAR CAN CAUSE DAMAGE  graphite compound, D00  ompound, D00601 [CP:	ONS AND ORIVE TT TO THE 0601 2101].	
<u>W</u>	AUTION ) Insta (a) (b)	(18 KIL DAMAC I: DO NOT SHAFT SUPPO HMU SE all the HML Lubricate [CP2101] Lubricate	OGRAMS). THE GETO THE EQUIPORT THE WEBSEALS.  J [1] on the fuel the three studs the three studs on the three	E WEIGHT CAN CAUSI UIPMENT.  U BY THE DRIVE SHAI WEIGHT OF THE HMU, IT COMPONENTS ON THE HMU, IT COMPONENTS ON THE HMU GRAPHITE COMPONENTS ON THE HMU GRAPHITE COMPONENTS ON THE HMU GRAPHITE COMPONENTS ON THE STAY ON YOUR SKIN	E INJURIES TO PERSO  FT. DO NOT LET THE I U. IF THE DRIVE SHAP CAN CAUSE DAMAGE  graphite compound, D00  ompound, D00601 [CP: I. YOU CAN ABSORB DIL THROUGH YOUR S	ONS AND ORIVE TT TO THE 0601 2101].	
<u>W</u>	) Insta (a) (b) WAI	(18 KIL DAMAC I: DO NOT SHAFT SUPPO HMU SE all the HML Lubricate [CP2101] Lubricate	OGRAMS). THE GETO THE EQUITY IN THE HM SUPPORT THE RTS THE WELD FALS.  J [1] on the fuel the three stude the gasket [42]	E WEIGHT CAN CAUSI UIPMENT.  U BY THE DRIVE SHAIS WEIGHT OF THE HM GHT OF THE HMU, IT COMPONENT OF THE HMU, IT COMPONENT OF THE HMU GRAPHITE COMPONENT OF THE C	E INJURIES TO PERSO  FT. DO NOT LET THE I U. IF THE DRIVE SHAR CAN CAUSE DAMAGE  graphite compound, D00  ompound, D00601 [CP: I. YOU CAN ABSORB DIL THROUGH YOUR S	DRIVE FT TO THE 0601 2101].	



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

DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C/		
(f)	Put the HMU [1] on the	fuel pum	).			MECH	INSP
		the HMU s HMU shaf	shaft to align wit t engages the fu	th the fuel pump, manua uel pump (AMM	ally turn the		
	Install the six washers fuel pump.	[41] and n	uts [40] on the s	studs to connect the HM	IU to the		
	NOTE: The three outbare on the HM		are on the fuel	pump and the three in	board studs		
	DAMAGEI ADAPTER WRENCH ALIGNED	D. MAKE S RALIGNS N SQUARE WITH THE	SURE THAT TH WITH THE CEN DRIVE. IF THE	ADAPTER SET IS NOT E CENTERLINE OF TH ITERLINE OF THE TOF TORQUE WRENCH IS INTERLINE, YOU WILL	HE RQUE S NOT		
	1) Use the set, SPL	-2358 to g	et access to the	center inboard stud.			
			•	can insert a long exter			
	2) Tighten the nuts	[40] to 124	-136 pound-incl	nes (14.0-15.3 Newton	meters).		
	bubbles i	may occur	after the HMU	HMU and fuel spills out cost-installation test. Bu ive minutes of engine o	ubbles are		
SUBTASK 73-21-	-10-020-011-F00						
CAUTION	HOLD THE FITTING	, AND THE	OTHER TO TU	DUPLING NUT. USE OF JRN THE COUPLING N O THE EQUIPMENT C	NUT. IF YOU		
(2) Instal	Il the drain tubes [30] a	nd [31]:					
(a)	Remove the protective	covers fro	m the drain tub	es [30] and [31] and the	e drain.		
(b)	Remove the applicable	protective	e cover from the	HMU.			
WAR	NING: DO NOT LET O			. YOU CAN ABSORB DIL THROUGH YOUR S	SKIN.		
(c)	Lubricate the threads of	of the nippl	es with oil, D00	623 [CP5066].			
(d)	Use your hands to con	nect the d	rain tube [31] to	the drain and the drain	tube [28].		
	1) Make sure that the	e drain tul	oe [31] does not	touch other componen	its.		
` '	Use two wrenches to to Newton meters).	ghten the	two coupling nu	ts to 257-284 pound-in	ches (29-32		
1	Use your hands to condrain tube [29].	nect the di	rain tube [30] to	the bottom of the HMU	and the		
	1) Make sure that the	e drain tub	pe [30] does not	touch other componen	its.		
(0)	Use two wrenches to to Newton meters).	ghten the	coupling nuts to	257-284 pound-inches	s (29-32		
	CTIVITY S ALL	SOURCE	REMOVE THE LINSPECTION	LEFT ENGINE HYDRO M	ECHANICAL (	JNIT F	OR

D633A109-AKS

73-030-01-01

Page 12 of 23 Oct 15/2015



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	73-030		
SUBTASK	73-21-10-02	20-012-F00	<u> </u>				MECH	INSP
CAUTI	LI		. INSTALL	ATION OF INC	OLTS WHEN YOU CON ORRECT ATTACHMEN			
CAUTI	— н	OLD THE FITTING	, AND THE	OTHER TO TU	DUPLING NUT. USE OF JRN THE COUPLING I O THE EQUIPMENT C	NUT. IF YOU		
(3) D	o these	e steps to install the	fuel tube	[33]:				
<u>N</u>		-			uel spills out of the line ptable provided the bul			
(a	a) Re	move the protective	covers fro	om the fuel tube	[33] and the fuel tube [	[38].		
(b	) Re	move the applicable	protective	e covers from th	e HMU.			
(0	c) Luk	oricate these parts:						
	WA				SKIN. YOU CAN ABSO			
	1)	Lubricate the gas	ket [34] w	ith oil, D00623 [	CP5066].			
	2)	Lubricate the three D00601 [CP2101		bolts [32] and [	[36] with graphite comp	ound,		
	3)	Lubricate the thre	eads of the	nipple with oil,	D00623 [CP5066].			
<u>C</u>	AUTIO	INSTRUCTION AND GASKETS	S IN SEAL S, AMM TA	.S (PREFORME SK 70-30-01-91	NSTALL IT. OBEY THE ED PACKINGS AND O- 0-802-F00. DO NOT C N YOU INSTALL THE (	RINGS) AUSE		
(0	•	t the fuel tube [33] a d fuel tube [38].	ind the gas	sket [34] in the o	correct position between	n the HMU		
(€	•	tall and hand tighter the HMU [1].	n the 4 bol	ts [32] that hold	the fuel tube [33] and (	gasket [34]		
AKS A	LL POS	ST SB 737-CFM56-7	B-72-0068					
	NC	<u>OTE</u> : Use the longer installation.	r length bo	lts [32] (AS3237	7-14) for the fuel tube [3	33]		
AKS A	LL							
(1	f) Us	e your hands to con	nect fuel t	ube [33] to the f	uel tube [38].			
(9	- /	tall and hand tighter the bracket.	n the nut [3	35], bolt [36], an	d clamp [37] that hold t	the tube [33]		
(h	n) Ma	ke sure that the fue	I tube [33]	is in its correct	position.			
	1)	Make sure that the between the gask			e fuel tube [33] and gas	ket [34] or		
	EFFECTIVITAKS AL		SOURCE CMR	REMOVE THE I	LEFT ENGINE HYDRO M	IECHANICAL	UNIT F	FOF
				D633A109-AKS			ge 13	

73-030-01-01



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA 73-030-		
	CAUT	PRACTICES AI	ND TORQI	JE VALUES, AN	FER TO TIGHTENING IM TASK 70-20-02-400 AMAGE TO THE PART		MECH	INSP
	(i)	Tighten the bolts [32] t	o 98-110 p	ound-inches (11	I.0-12.5 Newton meters	s).		
		Use two wrenches to t 900-1100 pound-inche			tween fuel tube [33] and s).	d [38] to		
					pe [38] to the bracket at 8-110 pound-inches (11			
	(l)	Tighten the nut [35] to	98-110 po	und-inches (11.0	0-12.5 Newton meters).			
SUBTA	ASK 73-21-	10-020-013-F00						
CAL	JTION:		. INSTALL	ATION OF INC	OLTS WHEN YOU CON ORRECT ATTACHMEN			
CAL	JTION:	HOLD THE FITTING	, AND THE	OTHER TO TU	DUPLING NUT. USE ON JRN THE COUPLING N O THE EQUIPMENT C	IUT. IF YOU		
(4)	Do th	ese steps to install the	fuel tube [	[39]:				
	NOTE				uel spills out of the lines ptable provided the bub			
	(a)	Remove the protective	covers fro	om the fuel tube	[39], servo-fuel heater,	and HMU.		
	(b)	Lubricate these parts:						
					SKIN. YOU CAN ABSO THE OIL THROUGH YO			
		1) Lubricate the gas	sket [26] w	ith oil, D00623 [	CP5066].			
		2) Lubricate the three [CP2101].	eads of the	bolts [27] with	graphite compound, D0	0601		
		3) Lubricate the three	eads of the	nipple with oil,	D00623 [CP5066].			
	. ,	Put the fuel tube [39] a and the servo-fuel hea	_	sket [26] in the c	correct position betweer	the HMU		
	. ,	Install and hand tighte [26] to the HMU [1].	n the four l	polts [27] that ho	old the fuel tube [39] and	d the gasket		
	(e)	Connect and hand tigh	nten the fue	el tube [39] to th	e servo-fuel heater.			
	(f)	Tighten the bolts [27] t	o 49-53 pc	ound-inches (5.5	-6.0 Newton meters).			
	/	Use two wrenches to t servo-fuel heater to 65	-		tween fuel tube [39] and 5 Newton meters).	d the		
	EFFEC <b>AKS</b>		SOURCE	REMOVE THE LINSPECTION	EFT ENGINE HYDRO M	ECHANICAL (	JNIT F	OR
				D633A109-AKS 73-030-01-01			ge 14 d oct 15/2	



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	73-030		
SUBTAS	SK 73-21	1-10-430-002-F00					MECH	INSP
CAU	TION	IN ITS POSITION. O CONNECTION. IF Y	WRENCH NE WREN OU DO NO	H WILL HOLD C ICH WILL TURN OT OBEY THIS	I OR TIGHTEN THE INE SIDE OF THE COI I THE OTHER SIDE OI TWO-WRENCH PROC CTION COMPONENTS	F THE EDURE,		
(5)	Do th	hese steps to install the						
	NOT	E: When you connect may occur after instafter three cycles.			uel spills out of the line ptable provided the bul			
	(a)	Remove the protective pump.	covers fro	om the fuel tube	[43], servo-fuel heater	and fuel		
	(b)	Lubricate the threads	of the nippl	les with oil, D00	623 [CP5066]			
	(c)	Put the fuel tube [43] in and the fuel pump.	n the corre	ct position betw	een the servo-fuel heat	ter inlet port		
	(d)	Connect and hand tigh	iten the fue	el tube [43] to th	e servo-fuel heater.			
	(e)	Connect and hand tigh	iten the fue	el tube [43] to th	e fuel pump.			
	(f)	Use two wrenches to t Newton meters).	ighten the	two coupling nu	ts to 650-770 pound-in	ches (75-85		
SUBTAS	SK 73-21	1-10-020-014-F00						
CAU	TION	L: MAKE SURE THAT Y LINES TO THE HMU CAN CAUSE AN IN-I	. INSTALL	ATION OF INC	OLTS WHEN YOU CON ORRECT ATTACHMEN			
CAU	TION		, AND THE	OTHER TO TU	DUPLING NUT. USE OF JRN THE COUPLING I O THE EQUIPMENT C	NUT. IF YOU		
(6)	Do th	hese steps to install the	fuel tube [	[17]:				
	NOT	E: When you connect may occur after inst after three cycles.			uel spills out of the line ptable provided the bul			
	(a)	Remove the protective [1].	covers fro	om the fuel tube	[17], fuel tube [19] and	the HMU		
	(b)	Lubricate these parts:						
					SKIN. YOU CAN ABSO			
		1) Lubricate the gas	sket [18] w	ith oil, D00623 [	CP5066].			
		2) Lubricate the three D00601 [CP2101		bolts [16], [22],	and [24] with graphite	compound,		
		3) Lubricate the three	eads of the	e nipple with oil,	D00623 [CP5066].			
		S ALL	SOURCE CMR	REMOVE THE I	EFT ENGINE HYDRO M	ECHANICAL	UNIT F	FOR
				D633A109-AKS			ge 15	

73-030-01-01



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

DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C.			
(c)	Put the fuel tube [17] at [19] and the HMU [1].	nd gasket	[18] in the corre	ect position between the	e fuel tube	MECH	INSP	
(d)	Install and hand tighter to the HMU [1].	the four b	oolts [16] that he	old the tube [17] and the	e gasket [18]			
(e)	Connect and hand tight	ten the fue	el tube [17] to th	e fuel tube [19].				
(f)	Do these steps to conn	ect the fue	el tube [17] and	the oil tube [15] to the b	orackets:			
	1) Put the clamp on	the oil tub	e [15] in its corr	ect position at the brack	ket.			
	CAUTION: MAKE SURE THAT THE CLAMPS DO NOT INTERFERE WITH THE HMU, THE FUEL TUBES OR THE OIL TUBES. IF INTERFERENCE OCCURS, IT CAN CAUSE DAMAGE TO THE EQUIPMENT.							
	2) Put the clamp [20] in its correct position on the fuel tube [17].							
	a) Make sure that the clamp [20], the clamp on the oil tube [15], and the bracket align.							
	3) Use you hand to i tubes [15] and [17			2] that hold the clamps a	and the			
(g)	Install and hand tighter to the fuel pump.	the nut [2	23], bolt [24], an	d clamp [25] that hold t	he tube [17]			
(h)	Tighten the bolts [16] to	49-53 po	und-inches (5.5	5-6.0 Newton meters).				
	extension can deep-well sock	be used to et can be	tighten the 2 ir	ur bolts [16], a 20 inch (somboard bolts. A 2 inch (5) the 2 outboard bolts. Eline of the bolt.	cm)			
(i)	Use two wrenches to tig to a torque of 900-1100				7] and [19],			
(j)	Tighten the nuts [21] ar (11.0-12.5 Newton met		the clamps [20]	and [25] to 98-110 pou	ınd-inches			
SUBTASK 73-	21-10-420-006-F00	ŕ						
CAUTIO		NG, AND <sup>*</sup> /OU DO N	THE OTHER TO IOT USE TWO	OSE COUPLING NUTS O TIGHTEN THE HOSE WRENCHES, DAMAGE	<u> </u>			
(7) Cor	nnect these hoses to the	HMU [1]:						
NO	TE: When you connect the may occur after instantal after three cycles.			uel spills out of the lines ptable provided the bub				
NO	TE: The hose installation are used at the same		inged so that sa	ame wrenches and torqu	ue values			
(a)	(a) Remove the protective covers from the hoses and the HMU.							
WA	WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.							
(b)	Lubricate the threads o	f the nippl	es with oil, D00	623 [CP5066].				
	SECTIVITY	SOURCE	REMOVE THE I	LEFT ENGINE HYDRO M	ECHANICAL (	JNIT F	OR	
			D633A109-AKS	3		ge 16 (		

73-030-01-01



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	73-030-01		
(c)	Inst	all and hand tighte	n these ho	ses:		ME	СН	INSF
	1)	The HPT hose [5	]					
AKS ALL	PRE	SB CFM56-7B 73-4	14					
	2)	The BSV hose [1	0]					
		NOTE: Engine P	OST CFM	I SB 73-044 do	not have the BSV hose	; [10]		
AKS ALL								
	3)	The TBV hose [1	2].					
	4)	Use two wrenche to 135-150 pound	-		uts on the hoses [5], [1 n meters).	0], and [12]		
		NOTE: Engine w	ith CFMI S	SB 73-044 do no	ot have the BSV hose [1	10] installed		
AKS ALL	POS <sup>-</sup>	Г SB CFM56-7B 73	-44					
(d)	If it i	is necessary, do th	ese steps	to install the plu	g in place of the BSV h	ose [10].		
	NO	ΤΕ: The plug Part	Number, re	efer to IPC 73-2	1-10.			
	1)	Lubricate the thre	eads of the	plug with oil, D	00623 [CP5066].			
	2)	Install the plug in	place of th	ne BSV hose [10	0].			
	3)	Tighten the plug	to 135-150	pound-inches (	15.3-17.0 Newton meter	ers).		
AKS ALL								
(e)	Inst	all and hand tighte	n these ho	ses:				
	1)	The LPT hose [4]						
	2)	The VSV hose (F	ROD) [6]					
	3)	The VBV hose (C	· -	8]				
	4)	The PCR hose [1	-					
	5)	Use two wrenche [11] to 270-300 p	•		uts on the hoses [4], [6 ewton meters).	], [8], and		
(f)	Inst	all and hand tighter		ses:				
	1)	The VSV hose (F	,					
	2)	The VBV hose (C	,					
	3)	Use two wrenche 450-550 pound-ir			uts on the hoses [7] an meters).	d [9] to		
SUBTASK 73-2								
` '		e that the electrica connectors.	l power is	removed from th	ne airplane while you in	stall the		
(a)		is necessary, do th K 24-22-00-860-8		move Electrical	Power, AMM			
SUBTASK 73-2								
` '		these electrical cor						
NOT	<u>E</u> : If	it is necessary, yo	u can use	soft-nose pliers	to turn the connector n	uts.		

D633A109-AKS

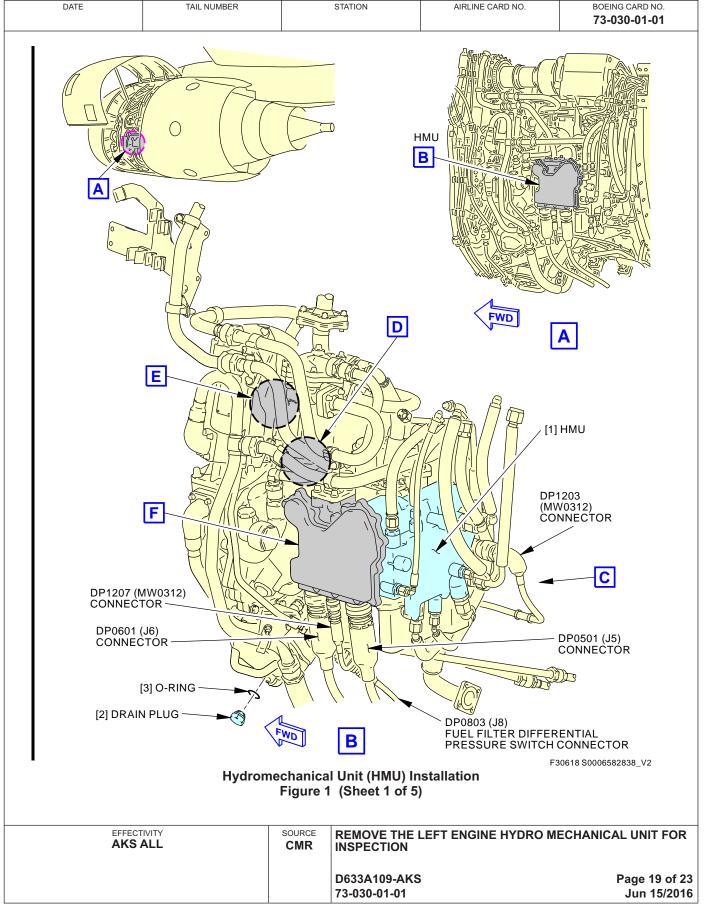
73-030-01-01

Page 17 of 23 Jun 15/2015

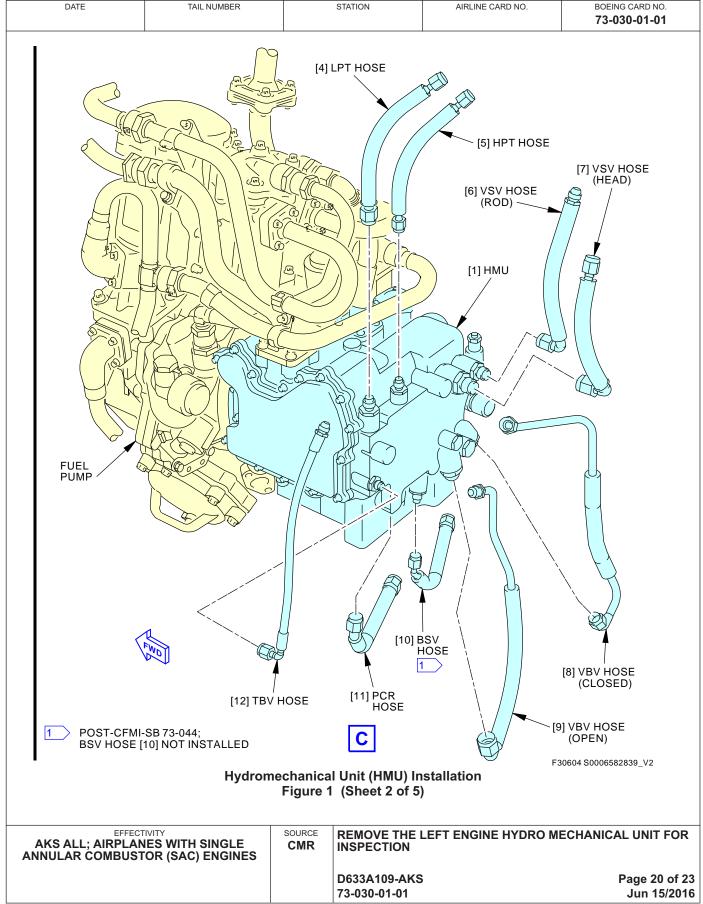


	DATE		TA	AIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C. 73-030-		
		(a)	Remove t	he protective	covers fro	m the electrical	connectors and the rec	ceptacles.	MECH	INSP
		(b)		•			erential pressure switch.	•		
		(c)		601 (J6) conne			·			
		(d)	The DP12	207 (MWO312	e) connect	tor				
		(e)	The DP05	501 (J5) conne	ector					
		(f)	The DP12	203 (MWO312	e) connect	tor.				
	SUBTA	ASK 73-2	1-10-210-002-F00							
	(10)			anking tool and K 72-00-00-98		-	g drive cover on the gea	arbox drive		
D.	НМ	U Inst	allation Te	est						
			1-10-840-003-F00							
	(1)		•	to prepare for						
		(a)					ASK 71-11-02-410-801	-F00.		
		(b)					K 24-22-00-860-811.			
			1) Rem	nove the DO-N	NOT-OPE	RATE tag from t	the BAT switch on pane	l P5-13.		
			1-10-730-001-F00			DI (T (D)	T 11 (ANA)			
	(2)			at are listed in 0-800-811-F00		er Plant Test Ref	ference Table (AMM			
		CAC	SP PR AN FU	AR VALVE IS RESSURE IS A ID THE HYDR	IN THE C APPLIED RO MECH RE CAN C	OPEN POSITION TO THE FUEL P ANICAL UNIT A CAUSE DAMAG	E VERIFYING THAT TH N AND FUEL BOOST P PUMP INLET. THE FUE IRE FUEL LUBRICATE E TO THE FUEL PUMF	PUMP EL PUMP D, ZERO		
		(a)					d, apply the boost pump TASK 71-00-00-700-82			
		(b)	,	•			electro-hydraulic servo v check, do these steps:	alve		
			C	over and EHS	Vs cover	are not fluid tigh	s can be the cause. The nt. Heat from the HMU c escape and create bubb	peration		
			,	•	•	•	on. With the engine shure ove areas of the HMU.	tdown, look		
			2) Dry	the area with o	compress	ed air along the	applicable parting surfa	aces.		
			3) Do t	he leak check	again					
			a)				front cover or EHSV's over and continue in serv			
			b)	Do an inspec	ction of th	e HMU for leaks	s and bubbling after thre	ee flights.		
			c)	If bubbles are	e present	after three fligh	ts, replace the HMU.			
					END OF	TASK ——				
			S ALL		SOURCE	REMOVE THE LINSPECTION	LEFT ENGINE HYDRO M	ECHANICAL I	JNIT F	OR
						D633A109-AKS 73-030-01-01			ge 18 ( )ct 15/	
						I.				

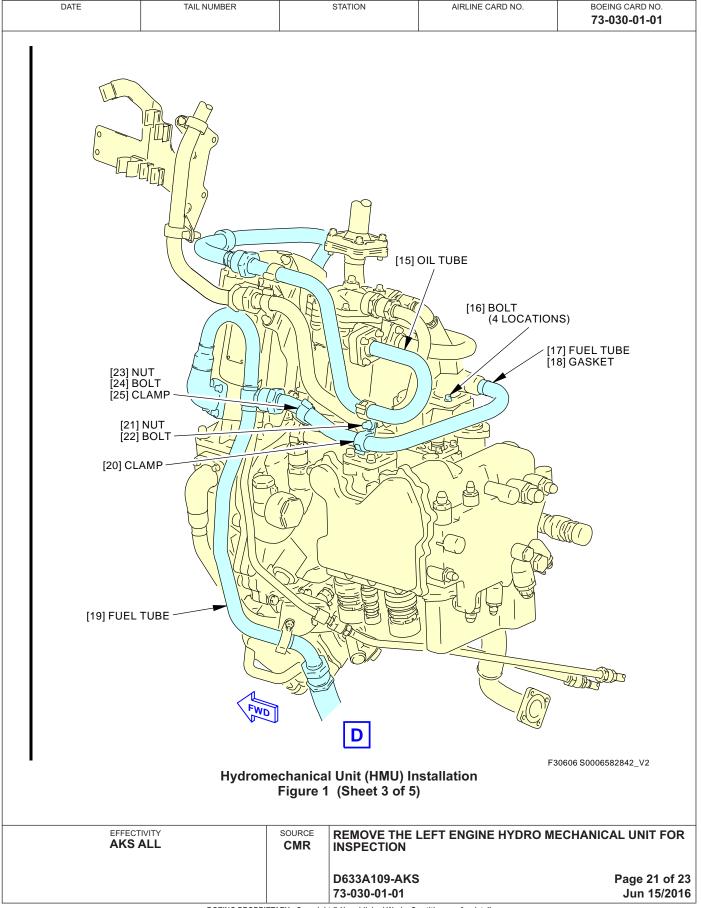




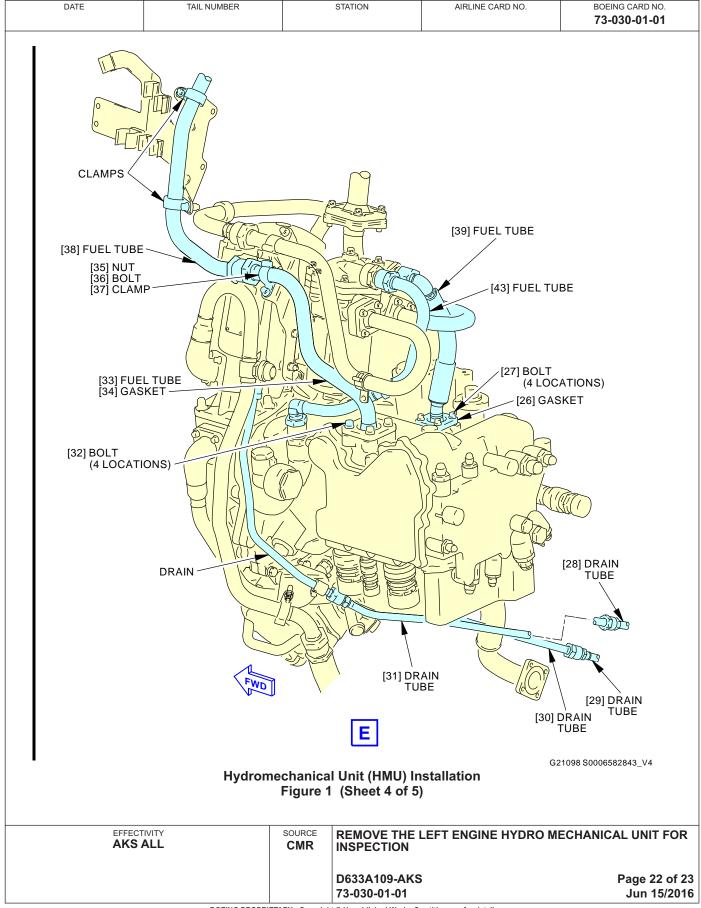




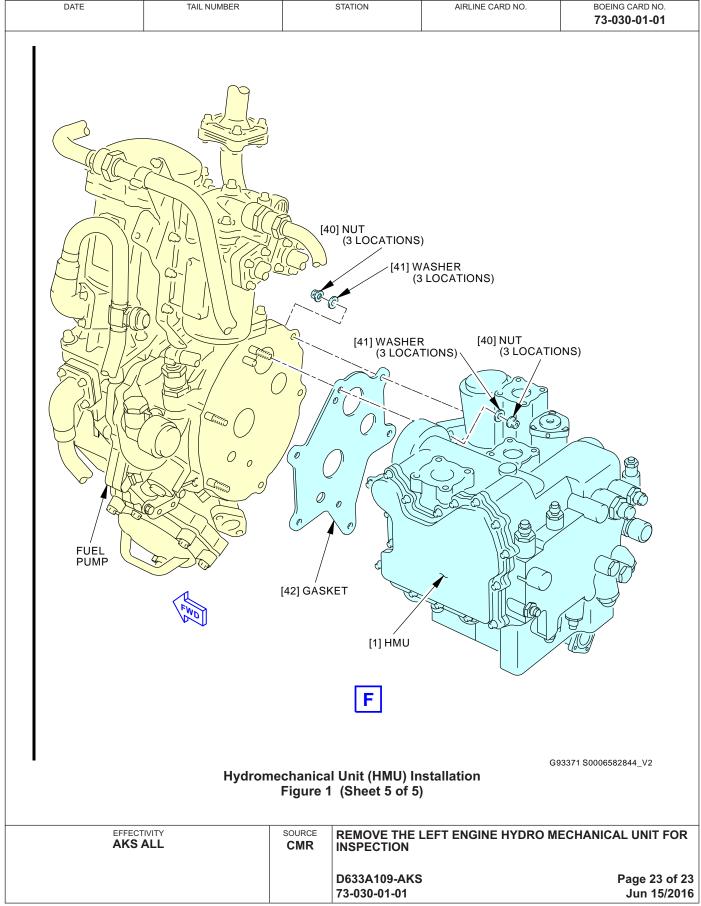
















#### 737-600/700/800/900 TASK CARDS

AIRLINE	CARD NO		TITLE THE RIGHT ENGIN			CARD NO. <b>)-02-01</b>
DATE	TASK RESTORE	MECHAN	ICAL UNIT FOR INS	RELATED CARD		
TAIL NUMBER	WORK AREA RIGHT ENGINE	VERSION 1.1	THRESHOLD 300 FH	REPEAT 300 FH	APPLIC AIRPLANE	ABILITY ENGINE
STATION	SKILL ENGIN				800	ALL NOTE
		ACCESS 423			ZONE <b>421</b>	

Remove the right engine hydro mechanical unit for inspection per Service Bulletin CFM 56-7B 73-016.

SPECIAL NOTE: CMR task (73-CMR-01) interval for this task is 300 FH. See MPD Section 9.

**ENGINE NOTE:** Applicable to engine hydro mechanical unit P/N 1853M56P04 or P/N 1853M56P05.

#### 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 70-20-02-400-801-F00	Tightening Practices and Torque Values (P/B 201)
AMM 70-30-01-910-802-F00	Seals (Preformed Packings and O-Rings) and Gaskets (P/B 201)
AMM 71-00-00-700-821-F00	Dry Motor the Engine (P/B 201)
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 72-00-00-980-801-F00	Turn the N2 Rotor (P/B 201)
AMM 73-11-01-000-801-F00	Fuel Pump Package Removal (P/B 401)
AMM 73-11-01-400-801-F00	Fuel Pump Package Installation (P/B 401)
AMM 73-21-09-000-801-F00	High Pressure Shutoff Valve (HPSOV) Switch Removal (P/B 201)
AMM 73-21-09-400-801-F00	High Pressure Shutoff Valve (HPSOV) Switch Installation (P/B 201)

#### B. Consumable Materials

Reference	Description	Specification
D00601	High-temperature graphite compound	SAE AMS 2518
[CP2101]		
D00623	Oil - Fuel System, Corrosion Preventive	MIL-PRF-6081, Grade 1010
[CP5066]		
G00624	Bag - Plastic, General Purpose	
G00920	Tape - Waterproof, Packaging	ASTM D5486
G02345	Wire - Safety, 0.032 Inch (0.8 mm) Diameter	CFM CP8001, AMS 5687
[CP8001]		
G50065	Cable, Safety, Stainless Steel, 0.032 inch (0.813	M50 TF 9 CL-A
[CP8006]	mm) Diameter	

EFFECTIVITY AKS ALL	SOURCE CMR	REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION			
		D633A109-AKS 73-030-02-01	Page 1 of 23 Jun 15/2016		





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

75-030-02-0	DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. 73-030-02-01
					73-030-02-01

#### 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
SPL-2358	Set - Adapter, Torque Hydromechanical UN & MN Fuel Pump Nuts
	Part #: 856A1827G01 Supplier: 58828
STD-1054	Container - Fuel Resistant, 5 Gallon (19 Liters)

SOURCE CMR REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION

D633A109-AKS Page 2 of 23 73-030-02-01 Jun 15/2015



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

DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CA 73-030-		
TASK 73-21-10-0	000-801-F00				MECH	INSP
(Figure 1)						

#### A. General

(1) The HMU is connected to the fuel pump assembly that is at the 8:00 o'clock position on the aft side of the accessory gearbox.

#### B. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
2	Plug	Not Specified	
3	O-ring	Not Specified	

#### C. Prepare for the Removal

SUBTASK 73-21-10-840-001-F00

- (1) Do these steps to isolate the fuel system:
  - (a) Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-811.
  - (b) Make sure the engine start lever is in the CUTOFF position.
    - 1) Install a DO-NOT-OPERATE tag on the applicable engine start lever.
  - (c) Make sure the FUEL VALVE CLOSED (engine fuel shutoff valve) light on the fuel control panel (P5 overhead panel) is dim.
    - NOTE: The light for the engine fuel shutoff valve has three positions: 1) bright when the valve is in transition; 2) dim when the valve is closed or 3) off when the valve is opened.
  - (d) Make sure the SPAR VALVE CLOSED light on the fuel control panel (P5 overhead panel) is dim.
    - NOTE: The light for the spar shutoff valve has three positions: 1) bright when the valve is in transition; 2) dim when the valve is closed or 3) off when the valve is opened.
  - (e) Do this task: Remove Electrical Power, AMM TASK 24-22-00-860-812.
    - NOTE: The removal of the electrical power is necessary while you disconnect the electrical and fluid connectors. You can reapply electrical power to the airplane after all of the electrical and fluid connectors are disconnected and the protective covers are installed.
    - Make sure that the BAT switch on panel P5-13 is set to OFF and install a DO-NOT-OPERATE tag.
  - (f) Do this task: Open the Fan Cowl Panels, AMM TASK 71-11-02-010-801-F00.

SUBTASK 73-21-10-680-002-F00

(2) Do these steps to drain the fuel from the fuel pump:

EFFECTIVITY AKS ALL	SOURCE	REMOVE THE RIGHT ENGINE HYDRO MECHANIC FOR INSPECTION	AL UNIT	•
		D633A109-AKS 73-030-02-01	Page 3 Jun 15/	



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

DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	73-030		
(a) (b) (c) (d)	AWAY FROM S FLAMMABLE DAMAGE TO I	ATHE THE SPARKS, I LIQUID THE QUIPMEI S) fuel resign [2] from the container	FUMES FROM FLAME, AND HE HAT CAN CAUSINT. stant container, he fuel filter cover.	THE FUEL. KEEP THEAT. FUEL IS POISON E INJURIES TO PERS  STD-1054 below the fuer.	UR SKIN. E FUEL OUS AND ONS AND		IN
,	RNING: DO NOT LET	OIL STAY (	ON YOUR SKIN		SKIN.		
(e)	Lubricate a new O-ring	o f31 with o	il. D00623 [CP5	0661.			
(f)	Install a new O-ring [3		_				
(g)	Lubricate the threads	-	. 011	L D00623 [CP5066]			
(b)	Install the drain plug [2		. p.ug [2] o.	., 200020 [0: 0000].			
(.,)		-	torque of 45-55	pound-inches (5.0-6.2	Newton		
(i)	Install safety wire, G02 [2].	2345 [CP8	001] or cable, G	50065 [CP8006] on the	e drain plug		
D. Remove	the HMU						
SUBTASK 73-	21-10-020-001-F00						
• •	connect these electrical						
<u>NO</u>	TE: If it is necessary, you nuts on the connec	tors.		ector pliers to loosen th	e coupling		
(a)	The DP1203 (MWO31	•	tor				
(b)	The DP0501 (J5) conr	nector					
(c)	The DP1207 (MWO31	2) connect	tor				
(d)	The DP0601 (J6) conr	nector					
(e)	The DP0803 (J8) conr	nector on t	he fuel filter diffe	erential pressure switch	ı <b>.</b>		
(f)	Install protective cover	rs on the p	lugs and the rec	eptacles.			
	<ol> <li>Move the electric damaged.</li> </ol>	cal connect	tors out of the w	ay, to make sure that th	ney are not		
	<ul><li>a) If it is necess</li><li>way.</li></ul>	ssary, use	lockwire or tape	to keep the connectors	s out of the		
	21-10-210-001-F00						
(2) Ma	ke sure that the containe	-					
(a)	As you disassemble th	ne fuel syst	tem, let the unw	anted fluids drain into t	he container.		
	FECTIVITY <b>KS ALL</b>	SOURCE CMR	REMOVE THE F	RIGHT ENGINE HYDRO ON	MECHANICAI	_ UNIT	
			D633A109-AKS			age 4 o	

73-030-02-01

Jun 15/2016



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

DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING CA 73-030-		
SURTASK 73-2	1-10-010-001-F00					MECH	INSP
	N: USE TWO WRENCH THE FITTING, AND	THE OTHE	ER TO LOOSE	OUPLING NUT. USE ON N THE COUPLING NUT. JSE DAMAGE TO THE			
(3) Disc	connect the hoses from	the HMU [	1]:				
(a)	Use two wrenches to	disconnect	these hoses:				
	NOTE: The hoses are same time.	e arranged	so that the san	ne wrenches can be use	d at the		
	1) The LPT hose [4	]					
	2) The HPT hose [5	5]					
AKS ALL	PRE SB CFM56-7B 73- 3) The BSV hose [						
	, -	POST CFI	MI SB 73-044 d	lo not have the BSV hose	e [10]		
AKS ALL							
	4) The TBV hose [7	2].					
(b)	Use two wrenches to	disconnect	these hoses:				
	1) The VSV hose (I	ROD) [6]					
	2) The VBV hose (	CLOSED) [	[8]				
	3) The PCR hose [	11].					
(c)	Use two wrenches to	disconnect	these hoses:				
	1) The VSV hose (	HEAD) [7]					
	2) The VBV hose (	DPEN) [9].					
(d)	Install protective cove	rs on the h	oses and the H	MU.			
	1) If it is necessary	use lockw	ire or tape to ke	eep the hoses out of the	way.		
SUBTASK 73-2	1-10-020-007-F00						
CAUTION	THE FITTING, AND	THE OTHE	ER TO TURN T	OUPLING NUT. USE ON HE COUPLING NUT. IF THE EQUIPMENT CAN (	YOU DO		
(4) Do t	hese steps to remove t	ne fuel tube	e [17] from the l	HMU:			
(a)	Use two wrenches to	disconnect	fuel tube [17] fi	rom fuel tube [19].			
(b)	Remove the four bolts [1].	[16] that h	old the tube [17	7] and the gasket [18] to	the HMU		
	be used to rea	nove the tv		6], a 20 inch (50 cm) ext s. A 2 inch (5 cm) deep-v d bolts.			
	ECTIVITY S ALL	SOURCE CMR	REMOVE THE	RIGHT ENGINE HYDRO N	MECHANICAL	UNIT	

D633A109-AKS

73-030-02-01

Page 5 of 23 Oct 15/2014



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 73-030		
	(c)	Remove the nut [21], b	oolt [22] an	d the clamp [20]	that hold the tube [17]	to the	MECH	INS
			nd the bolt	[22] also hold a	clamp for the oil tube [	15].		
		Let the additiona				.01.		
	(d)	,	•	-	at hold the tube [17] to	the bracket.		
	(e)	Remove the fuel tube		, , ,				
	( )			able, then keep	it with the tube for the s	ubsequent		
			this task ( <i>F</i> ntenance p		0-01-910-802-F00) for	gasket and		
	(f)	Install protective cover	s on the fu	iel tube [17], fue	I tube [19] and the HMI	J [1].		
SUBTA	SK 73-21	-10-030-001-F00						
CAU	ITION	IN ITS POSITION. O CONNECTION. IF Y	WRENCH NE WREN OU DO NO	H WILL HOLD C ICH WILL TURN OT OBEY THIS	I OR TIGHTEN THE INE SIDE OF THE CON I THE OTHER SIDE OF TWO-WRENCH PROC CTION COMPONENTS	THE EDURE,		
(5)	Do th	nese steps to remove th	ne fuel tube	e [43] from the s	ervo-fuel heater inlet po	ort.		
	(a)	Use two wrenches to oport.	disconnect	the fuel tube [43	3] from the servo-fuel h	eater inlet		
	(b)	Use two wrenches to d	disconnect	the fuel tube [43	3] from the fuel pump.			
	(c)	Install protective cover	rs on the fu	iel tube [43], ser	vo-fuel heater and fuel	pump.		
SUBTA	SK 73-21	-10-020-008-F00						
CAU	ITION	THE FITTING, AND	THE OTHE	ER TO TURN TH	UPLING NUT. USE ON HE COUPLING NUT. IF HE EQUIPMENT CAN (	YOU DO		
(6)	Do th	nese steps to remove th	ne fuel tube	e [39] from the H	IMU and the servo-fuel	heater:		
	(a)	Use two wrenches to d	disconnect	the fuel tube [39	9] from the servo-fuel h	eater.		
	(b)	Remove the four bolts HMU [1].	[27] that h	old the fuel tube	e [39] and the gasket [2	6] to the		
	(c)	Remove fuel tube [39]						
		If the gasket [26] installation.	is servicea	able, then keep	it with the tube for the s	ubsequent		
			this task (A ntenance p		0-01-910-802-F00) for	gasket and		
	(d)	Install protective cover	rs on the fu	ıel tube [39], ser	vo-fuel heater, and HM	U.		
	(d)	seal mai	ntenance p	oractices.	,	-		
		CTIVITY 5 ALL	SOURCE CMR	REMOVE THE FOR INSPECTION	RIGHT ENGINE HYDRO I ON	MECHANICAL	. UNIT	L
				D633A109-AKS			age 6	

73-030-02-01



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	73-030-		
SUBTASK	( 73-21-	-10-020-009-F00					MECH	INSF
		: USE TWO WRENC THE FITTING, AND	THE OTHE	ER TO TURN TH	UPLING NUT. USE O HE COUPLING NUT. II HE EQUIPMENT CAN	F YOU DO		
(7)	Do th	ese steps to remove						
` '		Use two wrenches to						
(	,	Remove the four bolt HMU [1].	s [32] that h	nold the fuel tube	e [33] and the gasket [	34] to the		
(	. ,	Remove the nut [35], bracket.	bolt [36], aı	nd clamp [37] th	at hold the fuel tube [3	3] to the		
		•			en the clamps that hol el pump package.	d the fuel		
			I permit you the fuel tub		be [38] and can make	it easier to		
(	d)	Remove fuel tube [33	i].					
		<ol> <li>If the gasket [34 installation.</li> </ol>	] is servicea	able, then keep	it with the tube for the	subsequent		
			this task (A iintenance p		80-01-910-802-F00) fo	r gasket and		
(	e)	Install protective cove	ers on the fu	uel tube [33], the	fuel tube [38], and the	e HMU.		
SUBTASK	73-21-	-10-020-010-F00						
CAUT	<u>ION</u> :	THE FITTING, AND	THE OTHE	ER TO TURN TH	OUPLING NUT. USE O HE COUPLING NUT. II HE EQUIPMENT CAN	F YOU DO		
(8) F	Remo	ove drain tubes [30] a						
(	a)	Use two wrenches to	disconnect	the drain tube [	30] from the drain tube	e [29].		
(	b)	Use two wrenches to	disconnect	the drain tube [	30] from the bottom of	the HMU.		
(	(c)	Remove the drain tub	e [30].					
		Install protective     HMU.	e covers on	the drain tube [3	30], the drain tube [29]	and the		
(	d)	Use two wrenches to	disconnect	the drain tube [3	31] from the drain tube	e [28].		
(	e)	Use two wrenches to	disconnect	the drain tube [	31] from the drain.			
	(f)	Remove the drain tub	e [31].					
		Install protective drain.	e covers on	the drain tube [3	31], the drain tube [28]	and the		
		S ALL	CMR	FOR INSPECTION				
				D633A109-AKS			age 7	

73-030-02-01



DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 73-030		
SUBTASK 73-21-	10-020-005-F00				1	MECH	INSP
WARNING	: BE CAREFUL WHEN (18 KILOGRAMS). TH DAMAGE TO THE EQ	E WEIG	HT CAN CAUSE	THE HMU WEIGHS 40 E INJURIES TO PERSO			
<u>CAUTION</u> :	DO NOT LIFT THE HM SHAFT SUPPORT THI SUPPORTS THE WEIG HMU SEALS.	E WEIGH	HT OF THE HM	U. IF THE DRIVE SHAP	=T		
(9) Do th	ese steps to disconnect	the HMU	[1] from the fue	el pump:			
(a)	Remove the six nuts [40]	] and wa	shers [41] that h	nold the HMU [1] to the	fuel pump.		
	NOTE: The three outbook are on the HMU		are on the fuel	pump and the three inl	board studs		
	1) Use the set, SPL-2	358 to g	et access to the	center and lower inboa	ard studs.		
			•	can insert a long exter case and the accessory			
(b)	Remove the HMU [1].						
(c)	Remove the gasket [42].						
	1) Examine the gaske TASK 70-30-01-91			s, dents and cuts (AMN	Л		
	<ul><li>a) If the gasket i</li></ul>	s service	eable, keep it for	the subsequent installa	ation.		
	b) If the gasket i	s not ser	viceable, replac	ce it.			
(d)	Install protective covers	on the m	ating surfaces of	of the HMU [1] and the	fuel pump.		
, ,	To drain the fuel by gravi	•		•			
	NOTE: The HMU canno cannot be flushe	-	•	dous waste (fuel) inside	. The HMU		
	1) Let the HMU sit on	each of	its four sides for	r approximately one mir	nute.		
	<ol><li>Install protective co hardware from the</li></ol>			tings of the HMU. Use	the		
(f)	Pack the HMU in two to	three pla	stic bag, G0062	24 or equivalent.			
	1) Remove as much a	air as pos	ssible from the b	pags.			
	2) Seal each bag with	waterpr	oof tape, G0092	20.			
	——- Е	END OF	TASK ——				
EFFEC AKS	ALL	SOURCE CMR	REMOVE THE F	RIGHT ENGINE HYDRO I	MECHANICAL	. UNIT	
			D633A109-AKS 73-030-02-01			age 8 o	
	DOFING PROPRIETA	DV Cii	l t © Unpublished Work - Se	- 4/41 6			



				1						
		OATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 73-030		
	73-0	MR-0	1		'		-		MECH	INSP
	TAS	K 73-2	21-10-2	200-801-F00						
2.	HMU	J Insp	ection							
	A.	Gene	eral							
				ask includes the steps						
			The H gearbo		e fuel pum	np assembly on	the aft side of the acces	sory		
	B.	Proc	edure							
				0-210-008-F00	450D04	40E0ME0D0E :	- installed outside OEM	LOD		
			73-016		VI56PU4 0I	r 1853M56P05 i	s installed, refer to CFM	SB		
					END OF	TASK ———				
			ECCTO		SOURCE	DEMOVE THE	NOUT ENOUGE INCOME	AEOUANIOA:	11511-	
			AKS		CMR	FOR INSPECTION	RIGHT ENGINE HYDRO N On	IECHANICAL	. UNIT	
						D633A109-AKS 73-030-02-01			age 9 o	



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

DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO.
				73-030-02-01

TASK 73-21-10-400-801-F00

MECH INSP

#### 3. HMU Installation

(Figure 1)

#### A. Expendables/Parts

AMM Item	Description	AIPC Reference	AIPC Effectivity
1	HMU	Not Specified	
18	Gasket	Not Specified	
26	Gasket	Not Specified	
34	Gasket	Not Specified	
42	Gasket	Not Specified	

#### B. Prepare for the Installation

SUBTASK 73-21-10-840-002-F00

- (1) Do these steps to clean and examine the components for the HMU [1] installation:
  - (a) Remove the protective covers from the HMU [1], the fuel pump, and the fuel tube connections.
  - (b) Thoroughly clean the mating surfaces and the adjacent areas of the components.
    - NOTE: Failure to clean the adjacent area can cause bubbles after HMU installation is complete.
  - (c) Examine the component mating surfaces and the adjacent areas to make sure that they are serviceable.
    - 1) Replace the components that are not serviceable.
  - (d) Re-install the protective covers on the HMU [1], the fuel pump, and the fuel tube connections.

#### SUBTASK 73-21-10-210-003-F00

- (2) Examine the studs on the fuel pump:
  - (a) If the threads on the fuel pump studs are not serviceable, then replace the fuel pump.

These are the tasks:

Fuel Pump Package Removal, AMM TASK 73-11-01-000-801-F00,

Fuel Pump Package Installation, AMM TASK 73-11-01-400-801-F00.

(b) Use your hand to move the ends of the fuel pump studs.

NOTE: The three studs on the fuel pump are key locked studs. Due to the locking mechanism, you can feel a small lateral movement of the end of the studs.

- 1) If the ends of the studs move 0.062 inch (1.6 mm) or greater, then do these steps:
  - a) Use a small hammer and a punch to lightly hit the studs keys into the fuel pump housing.
  - b) Continue to lightly hit the keys until the stud movement is in the limits, or the key is flush with the inserted end of the stud.

EFFECTIVITY AKS ALL	SOURCE	REMOVE THE RIGHT ENGINE HYDRO MECHANICA FOR INSPECTION	L UNIT	
			ige 10 d Jun 15/2	- 1



DATE		TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CA	
					73-030-	02-01
		c) If you can n pump.	ot get the stud movemer	nt into the limits, then repl	lace the fuel	MECH
		These are the	he tasks:			
		Fuel Pump	Package Removal, AMM	1 TASK 73-11-01-000-801	-F00,	
		Fuel Pump	Package Installation, AM	1M TASK 73-11-01-400-8	01-F00.	
		If the stud moven	nent is in the limits, then	continue.		
ΔK	SALL	PRE SB 737-CFM56-7B	-73-067			
		1-10-430-001-F00				
(3)		s necessary, install a ne ice bulletin.	w high pressure shutoff	valve (HPSOV) switch pe	er the	
	(a)	TASK 73-21-09-000-80		e (HPSOV) Switch Removure Shutoff Valve (HPSOV		
		PRE SB 737-CFM56-7B	-73-0108			
suв <sup>.</sup> (4)		1-10-210-007-F00 A sure that you install th	e correct HMU, refer to t	the AIDC		
(+)	(a)	-		lo not have the Burner St	aning Valve	
	(a)	•		s HMU installation, refer to	~ ~	
AK	S ALL					
C. HM	IU Inst	allation				
SUB.	TASK 73-2	1-10-420-002-F00				
WA	RNIN	_	HE WEIGHT CAN CAU	J. THE HMU WEIGHS 40 SE INJURIES TO PERSO		
CA	UTION	SHAFT SUPPORT T	HE WEIGHT OF THE H	AFT. DO NOT LET THE D MU. IF THE DRIVE SHAF CAN CAUSE DAMAGE	-T	
(1)	Insta	all the HMU [1] on the fu	el pump:			
	(a)	Lubricate the three stu [CP2101].	ds on the fuel pump with	graphite compound, D00	0601	
	(b)	Lubricate the three stu	ds on the HMU graphite	compound, D00601 [CP2	2101].	
	WAI		DIL STAY ON YOUR SKI MATERIALS FROM THE	N. YOU CAN ABSORB	SKIN.	
	(c)	Lubricate the gasket [4	2] with oil, D00623 [CP5	5066].		
	(d)	Remove the protective pump.	covers from the mating	surfaces of the HMU and	I the fuel	
	(e)	Put the gasket [42] in i	ts correct position on the	e fuel pump.		
		ECTIVITY	SOURCE REMOVE THE	RIGHT FNGINF HYDRO N		<u> </u>



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 73-030		
	(f)	Put the HMU [1] on th	e fuel pump	0.			MECH	INSP
		1) If you cannot ge N2 rotor until the TASK 72-00-00-	e HMU shaf	t engages the fo	th the fuel pump, manua uel pump (AMM	ally turn the		
	(g)	Install the six washers fuel pump.	s [41] and n	uts [40] on the s	studs to connect the HM	IU to the		
		NOTE: The three out are on the HM		s are on the fue	I pump and the three in	ooard studs		
		DAMAGE ADAPTE WRENCH ALIGNED	ED. MAKE S R ALIGNS ' H SQUARE ) WITH THE	SURE THAT TH WITH THE CEN DRIVE. IF THE	ADAPTER SET IS NOT E CENTERLINE OF TH ITERLINE OF THE TOF TORQUE WRENCH IS ENTERLINE, YOU WILL	IE RQUE S NOT		
		1) Use the set, SPI	L-2358 to g	et access to the	center inboard stud.			
				•	can insert a long exter			
		2) Tighten the nuts	[40] to 124	-136 pound-incl	hes (14.0-15.3 Newton	meters).		
		bubbles	may occur	after the HMU	HMU and fuel spills out post-installation test. Butive minutes of engine o	ıbbles are		
SUBTA	NSK 73-2	1-10-020-011-F00						
CAL	JTION	HOLD THE FITTING	S, AND THE	OTHER TO TU	DUPLING NUT. USE OF JRN THE COUPLING N O THE EQUIPMENT C	IUT. IF YOU		
(2)	Insta	all the drain tubes [30] a	and [31]:					
	(a)	Remove the protective	e covers fro	om the drain tub	es [30] and [31] and the	drain.		
	(b)	Remove the applicable	le protective	e cover from the	HMU.			
	WAF	RNING: DO NOT LET POISONOUS			I. YOU CAN ABSORB DIL THROUGH YOUR S	SKIN.		
	(c)	Lubricate the threads	of the nippl	les with oil, D00	623 [CP5066].			
	(d)	Use your hands to co	nnect the d	rain tube [31] to	the drain and the drain	tube [28].		
		1) Make sure that t	he drain tul	be [31] does not	t touch other componen	ts.		
	(e)	Use two wrenches to Newton meters).	tighten the	two coupling nu	its to 257-284 pound-ind	ches (29-32		
	(f)	Use your hands to codrain tube [29].	nnect the d	rain tube [30] to	the bottom of the HMU	and the		
		1) Make sure that t	he drain tul	be [30] does not	t touch other componen	ts.		
	(g)	Use two wrenches to Newton meters).	tighten the	coupling nuts to	257-284 pound-inches	(29-32		
		ECTIVITY S ALL	SOURCE CMR	REMOVE THE I	RIGHT ENGINE HYDRO I ON	MECHANICAL	UNIT	
				D633A109-AKS	;		ge 12	

73-030-02-01



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

DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C. 73-030-		
SUBTASK 73	-21-10-020-012-F00					MECH	INSP
	CAN CAUSE AN IN-I	I. INSTALL FLIGHT FL HES TO TIO	ATION OF INC JEL LEAK. GHTEN THE CO	ORRECT ATTACHMEN  OUPLING NUT. USE OF	T BOLTS NE TO		
				JRN THE COUPLING N O THE EQUIPMENT C			
(3) Do	these steps to install the	fuel tube [	[33]:				
<u>NC</u>	OTE: When you connect: may occur after inst after three cycles.			uel spills out of the lines ptable provided the bub			
(a)	Remove the protective	covers fro	om the fuel tube	[33] and the fuel tube [3	38].		
(b)	Remove the applicable	e protective	e covers from th	e HMU.			
(c)	Lubricate these parts:						
				SKIN. YOU CAN ABSO THE OIL THROUGH YO			
	1) Lubricate the gas	sket [34] wi	th oil, D00623 [	CP5066].			
	2) Lubricate the three D00601 [CP2101		bolts [32] and [	36] with graphite compo	ound,		
	<ol><li>Lubricate the three</li></ol>	eads of the	nipple with oil,	D00623 [CP5066].			
<u>CA</u>	AND GASKETS	S IN SEAL S, AMM TA	.S (PREFORME SK 70-30-01-91	NSTALL IT. OBEY THE ED PACKINGS AND O-I 0-802-F00. DO NOT C. N YOU INSTALL THE G	AUSE		
(d)	Put the fuel tube [33] a and fuel tube [38].	and the gas	sket [34] in the o	correct position betweer	the HMU		
(e)	Install and hand tighte to the HMU [1].	n the 4 bol	ts [32] that hold	the fuel tube [33] and g	asket [34]		
AKS ALI	L POST SB 737-CFM56-7  NOTE: Use the longe installation.		lts [32] (AS3237	7-14) for the fuel tube [3	3]		
AKS ALI	L						
(f)	-						
(g)	Install and hand tighte to the bracket.	n the nut [3	35], bolt [36], an	d clamp [37] that hold t	ne tube [33]		
(h)							
	Make sure that the between the gast			e fuel tube [33] and gas	ket [34] or		
EF	FECTIVITY	SOURCE	REMOVE THE	RIGHT ENGINE HYDRO	MECHANICAL	HINIT	
	KS ALL	CMR	FOR INSPECTI		OIIANIOAL	. 01411	
			D00004400 4160		_		

D633A109-AKS

73-030-02-01

Page 13 of 23 Oct 15/2015



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

DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C/		
CA		ND TORQI	JE VALUES, AN	FER TO TIGHTENING MM TASK 70-20-02-400 DAMAGE TO THE PART		MECH	INSP
(i)	Tighten the bolts [32] t	o 98-110 p	ound-inches (1°	1.0-12.5 Newton meters	s).		
(j)	Use two wrenches to t 900-1100 pound-inche	0		tween fuel tube [33] and s).	d [38] to		
(k)	•	•		be [38] to the bracket at 8-110 pound-inches (11			
(I)	Tighten the nut [35] to	98-110 po	und-inches (11.	0-12.5 Newton meters).			
SUBTASK 73-	21-10-020-013-F00						
CAUTIO	M: MAKE SURE THAT Y LINES TO THE HMU CAN CAUSE AN IN-	I. INSTALL	ATION OF INC	OLTS WHEN YOU CON ORRECT ATTACHMEN			
CAUTIO		, AND THE	OTHER TO TU	DUPLING NUT. USE ON JRN THE COUPLING N O THE EQUIPMENT C	NUT. IF YOU		
(4) Do	these steps to install the	fuel tube [	[39]:				
NO	TE: When you connect may occur after inst after three cycles.			uel spills out of the lines ptable provided the bub			
(a)	Remove the protective	covers fro	om the fuel tube	[39], servo-fuel heater,	and HMU.		
(b)	Lubricate these parts:						
				SKIN. YOU CAN ABSO			
	1) Lubricate the gas	sket [26] wi	th oil, D00623 [	CP5066].			
	,		•	graphite compound, D0	0601		
	3) Lubricate the thre	eads of the	nipple with oil,	D00623 [CP5066].			
(c)	•	and the gas		correct position between	the HMU		
(d)	Install and hand tighte [26] to the HMU [1].	n the four t	oolts [27] that h	old the fuel tube [39] and	d the gasket		
(e)	Connect and hand tigh	nten the fue	el tube [39] to th	e servo-fuel heater.			
(f)	Tighten the bolts [27] t						
(g)	Use two wrenches to t servo-fuel heater to 65			tween fuel tube [39] and 5 Newton meters).	d the		
EFF	EECTIVITY	SOURCE	REMOVE THE	RIGHT ENGINE HYDRO N	MECHANICAI	UNIT	
	(S ALL	CMR	FOR INSPECTION				
			D633A109-AKS	•	Pag	ge 14 d	of 23

73-030-02-01



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

DATE		TAIL NUMBER		STATION	AIRLINE CARD NO.	73-030		
SUBT	ASK 73-2	1-10-430-002-F00					MECH	INSP
CAI	MOITU	IN ITS POSITION. O CONNECTION. IF Y	WRENCH NE WREN OU DO NO	H WILL HOLD C ICH WILL TURN OT OBEY THIS	N OR TIGHTEN THE ONE SIDE OF THE CON N THE OTHER SIDE OF TWO-WRENCH PROC CTION COMPONENTS	F THE EDURE,		
(5)	Do t	hese steps to install the	fuel tube [	[43]:				
	NOT	E: When you connect may occur after instafter three cycles.			uel spills out of the line provided the but			
	(a)	Remove the protective pump.	covers fro	om the fuel tube	[43], servo-fuel heater	and fuel		
	(b)	Lubricate the threads	of the nipp	les with oil, D00	623 [CP5066]			
	(c)	Put the fuel tube [43] in and the fuel pump.	n the corre	ct position betw	een the servo-fuel heat	er inlet port		
	(d)	Connect and hand tigh	nten the fue	el tube [43] to th	e servo-fuel heater.			
	(e)	Connect and hand tigh	nten the fue	el tube [43] to th	e fuel pump.			
	(f)	Use two wrenches to to Newton meters).	ighten the	two coupling nu	its to 650-770 pound-in	ches (75-85		
SUBT	ASK 73-2	1-10-020-014-F00						
CAL	JTION	LINES TO THE HMU CAN CAUSE AN IN-	J. INSTALL	ATION OF INC	OLTS WHEN YOU CON ORRECT ATTACHMEN			
CAL	JTION		, AND THE	OTHER TO TU	OUPLING NUT. USE OF JRN THE COUPLING N O THE EQUIPMENT C	NUT. IF YOU		
(6)	Do t	hese steps to install the	fuel tube [	[17]:				
	NOT	E: When you connect may occur after instafter three cycles.			uel spills out of the line prable provided the but			
	(a)	Remove the protective [1].	e covers fro	om the fuel tube	[17], fuel tube [19] and	the HMU		
	(b)	Lubricate these parts:						
					SKIN. YOU CAN ABSO THE OIL THROUGH YO			
		1) Lubricate the gas	sket [18] w	ith oil, D00623 [	CP5066].			
		2) Lubricate the three D00601 [CP2101		bolts [16], [22],	and [24] with graphite	compound,		
		3) Lubricate the thre	eads of the	nipple with oil,	D00623 [CP5066].			
		ECTIVITY S ALL	SOURCE CMR	REMOVE THE I	RIGHT ENGINE HYDRO I ON	MECHANICAL	UNIT	
				D633A109-AKS	<b>i</b>		ge 15	

73-030-02-01



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

(c) Put the fuel tube [17] and gasket [18] in the correct position between the fuel tube [19] and the HMU [1].  (d) Install and hand tighten the four bolts [16] that hold the tube [17] and the gasket [18] to the HMU [1].  (e) Connect and hand tighten the fuel tube [17] to the fuel tube [19].  (f) Do these steps to connect the fuel tube [17] and the oil tube [15] to the brackets:  1) Put the clamp on the oil tube [15] in its correct position at the bracket.  CAUTION: MAKE SURE THAT THE CLAMPS DO NOT INTERFERE WITH THE HMU. THE FUEL TUBES OR THE OIL TUBES. IF INTERFERENCE OCCURS, IT CAN CAUSE DAMAGE TO THE EQUIPMENT.  2) Put the clamp [20] in its correct position on the fuel tube [17].  a) Make sure that the clamp [20], the clamp on the oil tube [15], and the bracket align.  3) Use you hand to install nut [21] and bolt [22] that hold the clamps and the tubes [15] and [17] to the bracket.  (g) Install and hand tighten the nut [23], bolt [24], and clamp [25] that hold the tube [17] to the fuel pump.  (h) Tighten the bolts [16] to 49-53 pound-inches (5.5-6.0 Newton meters).  NOTE: To aid in the proper installation of the four bolts [16], a 20 inch (50 cm) extension can be used to tighten the 2 inboard bolts. A2 inch (5 cm) deep-well socket can be used to remove the 2 outboard bolts. Be sure to apply torque at 90 degrees to the centerline of the bolt.  (i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a torque of 900-1100 pound-inches (100-125 Newton meters).  3uertask 172-11-04-266-59  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses a	DATE	TAIL NUMBER		STATION	AIRLINE CARD NO.	BOEING C 73-030		
(d) Install and hand tighten the four bolts [16] that hold the tube [17] and the gasket [18] to the HMU [1].  (e) Connect and hand tighten the fuel tube [17] to the fuel tube [19].  (f) Do these steps to connect the fuel tube [17] and the oil tube [15] to the brackets:  1) Put the clamp on the oil tube [15] in its correct position at the bracket.  CAUTION: MAKE SURE THAT THE CLAMPS DO NOT INTERFERE WITH THE HMU, THE FUEL TUBES OR THE OIL TUBES. IF INTERFERENCE OCCURS, IT CAN CAUSE DAMAGE TO THE EQUIPMENT.  2) Put the clamp [20] in its correct position on the fuel tube [17].  a) Make sure that the clamp [20], the clamp on the oil tube [15], and the bracket align.  3) Use you hand to install nut [21] and bolt [22] that hold the clamps and the tubes [15] and [17] to the bracket.  (g) Install and hand tighten the nut [23], bolt [24], and clamp [25] that hold the tube [17] to the fuel pump.  (h) Tighten the bolts [16] to 49-53 pound-inches (5.5-6.0 Newton meters).  NOTE: To aid in the proper installation of the four bolts [16], a 20 inch (50 cm) extension can be used to tighten the 2 inboard bolts. A 2 inch (5 cm) deep-well socket can be used to remove the 2 outboard bolts. Be sure to apply torque at 90 degrees to the centerline of the bolt.  (i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a forque of 900-1100 pound-inches (100-125 Newton meters).  (j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (11.0-12.5 Newton meters).  **SUBTRANT 29-19-06-06-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	(c)							
(f) Do these steps to connect the fuel tube [17] and the oil tube [15] to the brackets:  1) Put the clamp on the oil tube [15] in its correct position at the bracket.  CAUTION: MAKE SURE THAT THE CLAMPS DO NOT INTERFERE WITH THE HULT JUBES OR THE OIL TUBES. IF INTERFERENCE OCCURS, IT CAN CAUSE DAMAGE TO THE EQUIPMENT.  2) Put the clamp [20] in its correct position on the fuel tube [17].  a) Make sure that the clamp [20], the clamp on the oil tube [15], and the bracket align.  3) Use you hand to install nut [21] and bolt [22] that hold the clamps and the tubes [15] and [17] to the bracket.  (g) Install and hand tighten the nut [23], bolt [24], and clamp [25] that hold the tube [17] to the fuel pump.  (h) Tighten the bolts [16] to 49-53 pound-inches (5.5-6.0 Newton meters).  NOTE: To aid in the proper installation of the four bolts [16], a 20 inch (50 cm) extension can be used to tighten the 2 inboard bolts. A2 inch (5 cm) deep-well socket can be used to remove the 2 outboard bolts. Be sure to apply torque at 90 degrees to the centerline of the bolt.  (i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a torque of 900-1100 pound-inches (100-125 Newton meters).  (j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (11.0-12.5 Newton meters).  SUBTARK 773-11-0-490-490-490-490  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN, YOU CAN ABSORB POISONOUS M	(d)	_	the four b	oolts [16] that ho	old the tube [17] and the	e gasket [18]		
1) Put the clamp on the oil tube [15] in its correct position at the bracket.  CAUTION: MAKE SURE THAT THE CLAMPS DO NOT INTERFERE WITH THE HIMU, THE FUEL TUBES OR THE OIL TUBES. IF INTERFERENCE OCCURS, IT CAN CAUSE DAMAGE TO THE EQUIPMENT.  2) Put the clamp [20] in its correct position on the fuel tube [17].  a) Make sure that the clamp [20], the clamp on the oil tube [15], and the bracket align.  3) Use you hand to install nut [21] and bolt [22] that hold the clamps and the tubes [15] and [17] to the bracket.  (g) Install and hand tighten the nut [23], bolt [24], and clamp [25] that hold the tube [17] to the fuel pump.  (h) Tighten the bolts [16] to 49-53 pound-inches (5.5-6.0 Newton meters).  NOTE: To aid in the proper installation of the four bolts [16], a 20 inch (50 cm) extension can be used to tighten the 2 inboard bolts. A 2 inch (5 cm) deep-well socket can be used to remove the 2 outboard bolts. Be sure to apply torque at 90 degrees to the centerline of the bolt.  (i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a torque of 900-1100 pound-inches (100-125 Newton meters).  (j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (110-12.5 Newton meters).  SUBTARK 732-1-0-429-90-97-99  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN, YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples	(e)	Connect and hand tighte	en the fue	I tube [17] to th	e fuel tube [19].			
CAUTION: MAKE SURE THAT THE CLAMPS DO NOT INTERFERE WITH THE HMU, THE FUEL TUBES OR THE OIL TUBES. IF INTERFERENCE OCCURS, IT CAN CAUSE DAMAGE TO THE EQUIPMENT.  2) Put the clamp [20] in its correct position on the fuel tube [17].  a) Make sure that the clamp [20], the clamp on the oil tube [15], and the bracket align.  3) Use you hand to install nut [21] and bolt [22] that hold the clamps and the tubes [15] and [17] to the bracket.  (g) Install and hand tighten the nut [23], bolt [24], and clamp [25] that hold the tube [17] to the fuel pump.  (h) Tighten the bolts [16] to 49-53 pound-inches (5.5-6.0 Newton meters).  NOTE: To aid in the proper installation of the four bolts [16], a 20 inch (50 cm) extension can be used to tighten the 2 inboard bolts. A 2 inch (5 cm) deep-well socket can be used to remove the 2 outboard bolts. Be sure to apply torque at 90 degrees to the centerline of the bolt.  (i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a torque of 900-1100 pound-inches (100-125 Newton meters).  (j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (110-12.5 Newton meters).  SUBTASK 73-21-04-20-04-600  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS, USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. If YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN, YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D0623 [CP5066].	(f)	Do these steps to conne	ect the fue	el tube [17] and	the oil tube [15] to the I	orackets:		
HMU, THE FUEL TUBES OR THE OIL TUBES, IF INTERRERENCE OCCURS, IT CAN CAUSE DAMAGE TO THE EQUIPMENT.  2) Put the clamp [20] in its correct position on the fuel tube [17].  a) Make sure that the clamp [20], the clamp on the oil tube [15], and the bracket align.  3) Use you hand to install nut [21] and bolt [22] that hold the clamps and the tubes [15] and [17] to the bracket.  (g) Install and hand tighten the nut [23], bolt [24], and clamp [25] that hold the tube [17] to the fuel pump.  (h) Tighten the bolts [16] to 49-53 pound-inches (5.5-6.0 Newton meters).  NOTE: To aid in the proper installation of the four bolts [16], a 20 inch (50 cm) extension can be used to tighten the 2 inboard bolts. A 2 inch (5 cm) deep-well socket can be used to remove the 2 outboard bolts. Be sure to apply torque at 90 degrees to the centerline of the bolt.  (i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a torque of 900-1100 pound-inches (100-125 Newton meters).  (j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (110-12.5 Newton meters).  SUBTASK 73-21-40-40-606-600  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, Do0623 [CP5066].		1) Put the clamp on t	he oil tube	e [15] in its corr	ect position at the bracl	ket.		
a) Make sure that the clamp [20], the clamp on the oil tube [15], and the bracket align.  3) Use you hand to install nut [21] and bolt [22] that hold the clamps and the tubes [15] and [17] to the bracket.  (g) Install and hand tighten the nut [23], bolt [24], and clamp [25] that hold the tube [17] to the fuel pump.  (h) Tighten the bolts [16] to 49-53 pound-inches (5.5-6.0 Newton meters).  NOTE: To aid in the proper installation of the four bolts [16], a 20 inch (50 cm) extension can be used to tighten the 2 inboard bolts. A 2 inch (5 cm) deep-well socket can be used to remove the 2 outboard bolts. Be sure to apply torque at 90 degrees to the centerline of the bolt.  (i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a torque of 900-1100 pound-inches (100-125 Newton meters).  (j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (110-12.5 Newton meters).  SUBTASK 73-21-10-420-909-F90  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].		HMU, THE	FUEL TU	BES OR THE C	OIL TUBES. IF INTERF	ERENCE		
bracket align.  3) Use you hand to install nut [21] and bolt [22] that hold the clamps and the tubes [15] and [17] to the bracket.  (g) Install and hand tighten the nut [23], bolt [24], and clamp [25] that hold the tube [17] to the fuel pump.  (h) Tighten the bolts [16] to 49-53 pound-inches (5.5-6.0 Newton meters).  NOTE: To aid in the proper installation of the four bolts [16], a 20 inch (50 cm) extension can be used to tighten the 2 inboard bolts. A 2 inch (5 cm) deep-well socket can be used to remove the 2 outboard bolts. Be sure to apply torque at 90 degrees to the centerline of the bolt.  (i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a torque of 900-1100 pound-inches (100-125 Newton meters).  (j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (110-1-12.5 Newton meters).  SUBTASK 73-21-10-429-00-700  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].		2) Put the clamp [20]	in its corr	ect position on	the fuel tube [17].			
tubes [15] and [17] to the bracket.  (g) Install and hand tighten the nut [23], bolt [24], and clamp [25] that hold the tube [17] to the fuel pump.  (h) Tighten the bolts [16] to 49-53 pound-inches (5.5-6.0 Newton meters).  NOTE: To aid in the proper installation of the four bolts [16], a 20 inch (50 cm) extension can be used to tighten the 2 inboard bolts. A 2 inch (5 cm) deep-well socket can be used to remove the 2 outboard bolts. Be sure to apply torque at 90 degrees to the centerline of the bolt.  (i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a torque of 900-1100 pound-inches (100-125 Newton meters).  (j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (11.0-12.5 Newton meters).  SUBTASK 73-21-0-429-09-6-60  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, Do0623 [CP5066].		,		mp [20], the cla	mp on the oil tube [15],	and the		
to the fuel pump.  (h) Tighten the bolts [16] to 49-53 pound-inches (5.5-6.0 Newton meters).  NOTE: To aid in the proper installation of the four bolts [16], a 20 inch (50 cm) extension can be used to tighten the 2 inboard bolts. A 2 inch (50 cm) deep-well socket can be used to remove the 2 outboard bolts. Be sure to apply torque at 90 degrees to the centerline of the bolt.  (i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a torque of 900-1100 pound-inches (100-125 Newton meters).  (j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (11.0-12.5 Newton meters).  SUBTASK 73-21-0-429-090-F00  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  REFFECTIVITY AKS ALL  REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  Page 16 of 2					2] that hold the clamps a	and the		
NOTE: To aid in the proper installation of the four bolts [16], a 20 inch (50 cm) extension can be used to tighten the 2 inboard bolts. A 2 inch (5 cm) deep-well socket can be used to remove the 2 outboard bolts. Be sure to apply torque at 90 degrees to the centerline of the bolt.  (i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a torque of 900-1100 pound-inches (100-125 Newton meters).  (j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (11.0-12.5 Newton meters).  SUBTASK 73-21-10-420-006-F00  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  D633A109-AKS  Page 16 of 2	(g)	•	the nut [2	3], bolt [24], an	d clamp [25] that hold t	he tube [17]		
extension can be used to tighten the 2 inboard bolts. A 2 inch (5 cm) deep-well socket can be used to remove the 2 outboard bolts. Be sure to apply torque at 90 degrees to the centerline of the bolt.  (i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a torque of 900-1100 pound-inches (100-125 Newton meters).  (j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (11.0-12.5 Newton meters).  SUBTASK 73-21-10-420-096-F00  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  REFFECTIVITY AKS ALL  REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  D633A109-AKS  Page 16 of 2	(h)	Tighten the bolts [16] to	49-53 po	und-inches (5.5	5-6.0 Newton meters).			
(i) Use two wrenches to tighten the coupling nut, between the fuel tubes [17] and [19], to a torque of 900-1100 pound-inches (100-125 Newton meters).  (j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (11.0-12.5 Newton meters).  SUBTASK 73-21-10-420-006-F00  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  PAGE 16 of 2  REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  Page 16 of 2		extension can be deep-well socket	e used to	tighten the 2 ir used to remove	board bolts. A 2 inch (5 the 2 outboard bolts. E	cm)		
(j) Tighten the nuts [21] and [23] for the clamps [20] and [25] to 98-110 pound-inches (11.0-12.5 Newton meters).  SUBTASK 73-21-10-420-006-F00  CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  EFFECTIMITY AKS ALL  SOURCE CMR  REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  Page 16 of 2	(i)	Use two wrenches to tig	hten the	coupling nut, be	etween the fuel tubes [1	7] and [19],		
CAUTION: USE TWO WRENCHES TO TIGHTEN THE HOSE COUPLING NUTS. USE ONE TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  EFFECTIVITY AKS ALL  SOURCE CMR  REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  Page 16 of 2	(j)	Tighten the nuts [21] an	d [23] for	•	•	ınd-inches		
TO HOLD THE FITTING, AND THE OTHER TO TIGHTEN THE HOSE COUPLING NUT. IF YOU DO NOT USE TWO WRENCHES, DAMAGE TO THE HOSE AND NIPPLE CAN OCCUR.  (7) Connect these hoses to the HMU [1]:  NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  REFFECTIVITY AKS ALL  SOURCE CMR  REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  Page 16 of 2	SUBTASK 73-21	-10-420-006-F00	,					
NOTE: When you connect the lines to the HMU and fuel spills out of the lines, bubbles may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  Page 16 of 2	CAUTION	TO HOLD THE FITTING COUPLING NUT. IF Y	IG, AND T OU DO N	THE OTHER TO OT USE TWO	TIGHTEN THE HOSE			
may occur after installation. Bubbles are acceptable provided the bubbles stop after three cycles.  NOTE: The hose installations are arranged so that same wrenches and torque values are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  EFFECTIVITY AKS ALL  SOURCE CMR  REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  D633A109-AKS  Page 16 of 2	(7) Conr	nect these hoses to the H	HMU [1]:					
are used at the same time.  (a) Remove the protective covers from the hoses and the HMU.  WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  EFFECTIVITY AKS ALL  SOURCE CMR  REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  D633A109-AKS  Page 16 of 2	NOT	may occur after insta						
WARNING: DO NOT LET OIL STAY ON YOUR SKIN. YOU CAN ABSORB POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  SOURCE CMR REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  D633A109-AKS Page 16 of 2	NOT			nged so that sa	me wrenches and torqu	ue values		
POISONOUS MATERIALS FROM THE OIL THROUGH YOUR SKIN.  (b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  SOURCE CMR REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  D633A109-AKS Page 16 of 2	(a)	Remove the protective of	covers fro	m the hoses an	d the HMU.			
(b) Lubricate the threads of the nipples with oil, D00623 [CP5066].  SOURCE CMR REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  D633A109-AKS Page 16 of 2	WAR					SKIN.		
SOURCE CMR REMOVE THE RIGHT ENGINE HYDRO MECHANICAL UNIT FOR INSPECTION  D633A109-AKS Page 16 of 2	(b)							
		CTIVITY	SOURCE	REMOVE THE F	RIGHT ENGINE HYDRO I	MECHANICAL	UNIT	<u> </u>
							_	



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

		TAIL NUMBER		STATION	AIRLINE CARD NO.	73-030-0		
(c)	Inst	all and hand tighte	n these ho	ses:		1	MECH	INS
	1)	The HPT hose [5	5]					
VK6 VII I	DDE	SB CFM56-7B 73-4	1.4					
ANS ALL I	2)	The BSV hose [1						
	_/	_	-	I SB 73-044 do	not have the BSV hose	e [10]		
		installed				. [ ]		
AKS ALL								
	3)	The TBV hose [1	2].					
	4)	Use two wrenche to 135-150 pound	_		nuts on the hoses [5], [1 on meters).	0], and [12]		
		NOTE: Engine v	vith CFMI S	SB 73-044 do no	ot have the BSV hose [	10] installed		
AKS ALL I	os.	T SB CFM56-7B 73	-44					
(d)				to install the plu	g in place of the BSV h	ose [10].		
	NO	TE: The plug Part	Number, re	efer to IPC 73-2	1-10.			
	1)	Lubricate the thre	eads of the	plug with oil, D	00623 [CP5066].			
	2)	Install the plug in	place of th	ne BSV hose [1	0].			
	3)	Tighten the plug	to 135-150	pound-inches	(15.3-17.0 Newton met	ers).		
AKS ALL								
(e)	Inst	all and hand tighte	n these ho	ses:				
	1)	The LPT hose [4	]					
	2)	The VSV hose (F	ROD) [6]					
	3)	The VBV hose (0	CLOSED) [	8]				
	4)	The PCR hose [1	l1].					
	5)	Use two wrenche [11] to 270-300 p	_		outs on the hoses [4], [6 ewton meters).	i], [8], and		
(f)	Inst	all and hand tighte	n these ho	ses:				
	1)	The VSV hose (F	HEAD) [7]					
	2)	The VBV hose (0	DPEN) [9].					
	3)	Use two wrenched 450-550 pound-in	_		outs on the hoses [7] an meters).	d [9] to		
SUBTASK 73-21	-10-210	0-004-F00						
` '		e that the electrica connectors.	l power is	removed from tl	ne airplane while you in	stall the		
(a)		is necessary, do th SK 24-22-00-860-8		move Electrical	Power, AMM			
SUBTASK 73-21	-10-420	0-007-F00						
(9) Conr	ect 1	these electrical cor	nnectors to	the HMU:				
NOT	<u>E</u> : If	it is necessary, yo	u can use	soft-nose pliers	to turn the connector n	uts.		

D633A109-AKS

73-030-02-01

Page 17 of 23 Jun 15/2015



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

DATE		TA	IL NUMBER		STATION	AIRLINE CARD NO.			
	(a)	Remove t	he protective o	covers fro	m the electrical	connectors and the red	ceptacles.	MECH	INSP
	` '		•				•		
		` '							
	(d)	• •							
	(e)	The DP0501 (J5) connector							
	(f)	The DP12	203 (MWO312)	) connect	or.				
SUBT	ASK 73-21	-10-210-002-F00							
(10)	(10) Remove the cranking tool and install the handcranking drive cover on the gearbox drive pad (AMM TASK 72-00-00-980-801-F00).								
D. HM	U Insta	allation Te	st						
(1)		•							
		· · · · · · · · · · · · · · · · · · ·							
	(b)								
			nove the DO-N	OT-OPE	RATE tag from t	the BAT switch on pane	l P5-13.		
			at are listed in	the Dowe	r Diant Toot Dot	forence Table (ANN)			
(2)					er Flant Test Nei	referice Table (Alviivi			
		SP. PR AN FU	AR VALVE IS ESSURE IS A ID THE HYDR EL PRESSUR	IN THE C PPLIED O MECH E CAN C	PEN POSITION TO THE FUEL P ANICAL UNIT A CAUSE DAMAG	N AND FUEL BOOST F PUMP INLET. THE FUE ARE FUEL LUBRICATE	PUMP EL PUMP D, ZERO		
	(a)	If it is necessary on the engine to be dry motored, apply the boost pump pressure to the fuel pump inlet (Dry Motor the Engine, AMM TASK 71-00-00-700-821-F00).							
	(b)	-				-	/alve		
		co	over and EHS\	s cover	are not fluid tigh	nt. Heat from the HMU o	operation		
		,	-	_		_	tdown, look		
		2) Dry 1	the area with c	compress	ed air along the	applicable parting surf	aces.		
		3) Do tl	he leak check	again					
		a)							
		b)	Do an inspec	tion of the	e HMU for leaks	s and bubbling after thre	ee flights.		
		c)	If bubbles are	e present	after three fligh	its, replace the HMU.			
				END OF	TASK ——				
	EFFE	OTIV/ITV/		SOURCE	DEMOVE THE		AFOLIANIOAL	LINIT	
		S ALL		CMR	FOR INSPECTION	RIGHT ENGINE HYDRO I ON	WECHANICAL	UNIT	
	suвт. (10) <b>D. НМ</b> suвт. (1)	(a) (b) (c) (d) (e) (f) SUBTASK 73-21 (10) Rem pad (0) D. HMU Insta SUBTASK 73-21 (1) Do th (a) (b)  SUBTASK 73-21 (2) Do th TASI CAU  (a) (b)	(a) Remove to (b) The DP08 (c) The DP08 (d) The DP08 (e) The DP08 (f) The DP08 (f) The DP12 (e) The DP08 (f) The DP12 (e) The DP12 (e) The DP12 (f)	(a) Remove the protective of (b) The DP0803 (J8) conne (c) The DP0601 (J6) conne (d) The DP1207 (MWO312) (e) The DP0501 (J5) conne (f) The DP1203 (MWO312) (subtask 73-21-10-210-002-F00 (10) Remove the cranking tool and pad (AMM TASK 72-00-00-98 (AMM TASK 72-00-00-98 (AMM TASK 72-00-00-98 (AMM TASK 73-21-10-840-003-F00 (AAMM TASK 73-21-10-840-003-F00 (AAMM TASK 73-21-10-730-001-F00 (AAMM TASK 73-21-10-730-001-F00 (AAMM TASK 73-21-10-730-001-F00 (AAMM TASK 71-00-00-800-811-F00) (AAMM TASK 71-00-00-98 (AAMM TASK 71-	(a) Remove the protective covers from (b) The DP0803 (J8) connector on the (c) The DP0601 (J6) connector (d) The DP1207 (MWO312) connector (e) The DP0501 (J5) connector (f) The DP1203 (MWO312) connect (subtask 73-21-10-210-002-F00) (10) Remove the cranking tool and install the pad (AMM TASK 72-00-00-980-801-F0).  HMU Installation Test SUBTASK 73-21-10-340-003-F00 (1) Do these steps to prepare for the instal (a) Do this task: Close the Fan Cowl (b) Do this task: Supply Electrical Polymore (2) Do the tests that are listed in the Power TASK 71-00-001-F00 (2) Do the tests that are listed in the Power TASK 71-00-00-800-811-F00).  CAUTION: DO NOT MOTOR THE ENSPAR VALVE IS IN THE CONTROL PRESSURE IS APPLIED AND THE HYDRO MECHANICAL UICH (a) If it is necessary on the engine to the fuel pump inlet (Dry Motor the fuel pump inlet (Dry M	(a) Remove the protective covers from the electrica (b) The DP0803 (J8) connector on the fuel filter diffe (c) The DP0601 (J6) connector (d) The DP1207 (MWO312) connector (e) The DP0501 (J5) connector (f) The DP1203 (MWO312) connector.  SUBTASK 73-21-10-210-002-F00 (10) Remove the cranking tool and install the handcranking pad (AMM TASK 72-00-00-980-801-F00).  D. HMU Installation Test  SUBTASK 73-21-10-840-003-F00 (1) Do these steps to prepare for the installation test: (a) Do this task: Close the Fan Cowl Panels, AMM Tastallation test: (b) Do this task: Supply Electrical Power, AMM TAStask: Supply Electrical Power, AMM Tastallation test: (a) Do the tests that are listed in the Power Plant Test Restask 73-21-10-730-001-F00 (2) Do the tests that are listed in the Power Plant Test Restask 71-00-00-800-811-F00).  CAUTION: DO NOT MOTOR THE ENGINE BEFORE SPAR VALVE IS IN THE OPEN POSITIO PRESSURE IS APPLIED TO THE FUEL AND THE HYDRO MECHANICAL UNIT.  (a) If it is necessary on the engine to be dry motored the fuel pump inlet (Dry Motor the Engine, AMM) (b) If bubbling is seen from the HMU front cover or 6 (EHSV) cover parting flanges for the HMU leak of NOTE: Residual fuel from the HMU connections cover and EHSVs cover are not fluid tight forces the air contained in the cavity to 6 (EHSV) cover are with compressed air along the 3) Do the leak check again  a) If the bubbles continue from the HMU flange, create a maintenance carry-or b) Do an inspection of the HMU for leak c) If bubbles are present after three flightenance in the cavity to 6 or 10 put the present after three flightenance carry-or 10 put	(a) Remove the protective covers from the electrical connectors and the rec (b) The DP0803 (J8) connector on the fuel filter differential pressure switch (c) The DP0601 (J6) connector (d) The DP1207 (MWO312) connector (e) The DP0501 (J5) connector (f) The DP1203 (MWO312) connector.  SUBTASK 73-21-10-210-002-700 (10) Remove the cranking tool and install the handcranking drive cover on the gea pad (AMM TASK 72-00-00-980-801-F00).  D. HMU Installation Test  SUBTASK 73-21-10-340-003-700 (1) Do these steps to prepare for the installation test: (a) Do this task: Close the Fan Cowl Panels, AMM TASK 71-11-02-410-801 (b) Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-811.  1) Remove the DO-NOT-OPERATE tag from the BAT switch on pane SUBTASK 73-21-10-300-01-700 (2) Do the tests that are listed in the Power Plant Test Reference Table (AMM TASK 71-00-00-800-811-F00).  CAUTION: DO NOT MOTOR THE ENGINE BEFORE VERIFYING THAT THE SPAR VALVE IS IN THE OPEN POSITION AND FUEL BOOST FOR PRESSURE IS APPLIED TO THE FUEL PUMP INILET. THE FUEL AND THE HYDRO MECHANICAL UNIT ARE FUEL LUBRICATE FUEL PRESSURE CAN CAUSE DAMAGE TO THE FUEL PUMF HYDRO MECHANICAL UNIT.  (a) If it is necessary on the engine to be dry motored, apply the boost pump the fuel pump inlet (Dry Motor the Engine, AMM TASK 71-00-00-700-82 (b) If bubbling is seen from the HMU front cover or electro-hydraulic servo v (EHSV) cover parting flanges for the HMU leak check, do these steps:  NOTE: Residual fuel from the HMU connections can be the cause. The cover and EHSVs cover are not fluid tight. Heat from the HMU for secape and create bubble  1) The bubbling occurs during engine operation. With the engine shu for signs of fuel leakage [wetting] at the above areas of the HMU.  2) Dry the area with compressed air along the applicable parting surf (a) protein a maintenance carry-over and continue in servo (a) in specific of the HMU for leaks and bubbling after three c) If bubbles are present after three flights, replace the HMU.	(a) Remove the protective covers from the electrical connectors and the receptacles. (b) The DP0803 (J8) connector on the fuel filter differential pressure switch. (c) The DP0801 (J6) connector (d) The DP1207 (MW0312) connector (e) The DP0501 (J5) connector (f) The DP1203 (MW0312) connector.  SUBTARK 724-10-21-0024-009 (10) Remove the cranking tool and install the handcranking drive cover on the gearbox drive pad (AMM TASK 72-00-00-980-801-F00).  D. HMU Installation Test  SUBTARK 724-11-024-0034-709 (1) Do these steps to prepare for the installation test: (a) Do this task: Close the Fan Cowl Panels, AMM TASK 71-11-02-410-801-F00. (b) Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-811.  1) Remove the DO-NOT-OPERATE tag from the BAT switch on panel P5-13.  SUBTARK 724-11-728-001-F00 (2) Do the tests that are listed in the Power Plant Test Reference Table (AMM TASK 71-00-00-800-811-F00).  CAUTION: DO NOT MOTOR THE ENGINE BEFORE VERIFYING THAT THE FUEL SPAR VALVE IS IN THE OPEN POSITION AND FUEL BOOST PUMP PRESSURE IS APPLIED TO THE FUEL PUMP INLET. THE FUEL PUMP AND THE HYDRO MECHANICAL UNIT ARE FUEL LUBRICATED, ZERO FUEL PRESSURE CAN CAUSE DAMAGE TO THE FUEL PUMP AND THE HYDRO MECHANICAL UNIT.  (a) If it is necessary on the engine to be dry motored, apply the boost pump pressure to the fuel pump inlet (Dry Motor the Engine, AMM TASK 71-00-00-700-821-F00).  (b) If bubbling is seen from the HMU front cover or electro-hydraulic servo valve (EHSV) cover parting flanges for the HMU leak check, do these steps:  NOTE: Residual fuel from the HMU connections can be the cause. The HMU front cover and EHSVs cover are not fluid tight. Heat from the HMU operation forces the air contained in the cavity to escape and create bubbles.  1) The bubbling occurs during engine operation. With the engine shutdown, look for signs of fuel leakage (wetting) at the above areas of the HMU.  2) Dry the area with compressed air along the applicable parting surfaces.  3) Do the leak check again  a) If the bubbles continue from th	(a) Remove the protective covers from the electrical connectors and the receptacles. (b) The DP0803 (J8) connector on the fuel filter differential pressure switch. (c) The DP0801 (J6) connector (d) The DP1001 (J6) connector (e) The DP0501 (J5) connector (f) The DP1203 (MW0312) connector.  8uertaex 73241-8245602460 (10) Remove the cranking tool and install the handcranking drive cover on the gearbox drive pad (AMM TASK 72-00-00-980-801-F00).  9. HMU Installation Test  8uertaex 73241-8446083760 (1) Do these steps to prepare for the installation test: (a) Do this task: Close the Fan Cowl Panels, AMM TASK 71-11-02-410-801-F00. (b) Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-811. 1) Remove the DO-NOT-OPERATE tag from the BAT switch on panel P5-13.  8uertaex 7324-14-734901-800 (2) Do the tests that are listed in the Power Plant Test Reference Table (AMM TASK 71-00-00-800-811-F00).  CAUTION: DO NOT MOTOR THE ENGINE BEFORE VERIFYING THAT THE FUEL SPAR VALVE IS IN THE OPEN POSITION AND FUEL BOOST PUMP PRESSURE IS APPLIED TO THE FUEL PUMP INLET. THE FUEL PUMP AND THE HYDRO MECHANICAL UNIT ARE FUEL LUBRICATED, ZERO FUEL PRESSURE CAN CAUSE DAMAGE TO THE FUEL PUMP AND THE HYDRO MECHANICAL UNIT.  (a) If it is necessary on the engine to be dry motored, apply the boost pump pressure to the fuel pump inlet (Dry Motor the Engine, AMM TASK 71-00-00-700-821-F00).  (b) If bubbling is seen from the HMU front cover or electro-hydraulic servo valve (EHSV) cover parting flanges for the HMU leak check, do these steps:  NOTE: Residual fuel from the HMU connections can be the cause. The HMU front cover and EHSVs cover are not fluid tight. Heat from the HMU operation forces the air contained in the cavity to escape and create bubbles.  1) The bubbling occurs during engine operation. With the engine shutdown, look for signs of fuel leakage [wetting] at the above areas of the HMU.  2) Dry the area with compressed air along the applicable parting surfaces.  3) Do the leak check again  a) If the bubbles continue from the HMU f



