



无国界 | 航空技术

实作工卡

JOB CARD

工卡号

JC No.

M8-026

机型 Model	737-300	飞机注册号 A/C Reg	5N-MJA	颁发部门 Issue	培训部	修订日期 Revised Date	2020.07.10
区域 Zone	发动机	依据文件 Reference	AMM 74-11-01	版本 Rev	R0	预计工时 Est. MHrs	4H
编写/修订 Edited By	葛荣文	审核/日期 Review/Date	谈海军 /2020.08.04	审批/日期 Approve/Data	张玉/2020.08.05		

标题: 拆装点火激励器

SUBJECT: IGNITION EXCITER- Removal/Installation

说明/Comments:

拆装发动机上的指定点火激励器

Removal/ installation specified ignition exciter on the engine

工卡中加*的步骤, 实施时由学员在驾驶舱和工作区域口述以及演示工作步骤。

The steps of adding * to the work card are narrated and demonstrated by the trainees in the cockpit and work area during the implementation.

计划信息/Planning Information

A. 参考资料/References

Reference	Title	Remark
TASK 71-11-02-012-001-C00	打开风扇罩盖板 Open the Fan Cowl Panel (P/B 201)	N/A

B. 航材/Expendable Part

FIG.ITEM	IPC-Ref	Part Name	P/N	QTY	Remark
N/A	N/A	N/A	N/A	N/A	N/A

C. 工具设备/Tool Equipment

Reference	Description	QTY	Remark
N/A	40-200磅寸力矩扳手	1	或等效工具
N/A	棘轮扳手	1	或等效工具
N/A	7/8开口扳手/开口头	各1	或等效工具
N/A	5/16套筒	1	或等效工具
N/A	跳开关夹	AR	N/A
N/A	反光背心	AR	N/A
N/A	护目镜	AR	或等效工具
N/A	插头钳	1	或等效工具

D. 消耗品/Consumable Material

Reference	Description	Specification	QTY	Remark
N/A	插头清洁剂	N/A	1	N/A



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N/A	保护袋	N/A	AR	或等效耗材
N/A	警告牌	N/A	AR	N/A
N/A	抹布	N/A	AR	N/A
N/A	线手套	N/A	AR	N/A

工 作 内 容 CONTENTS	工作者 MECHANIC
<p>1. 概述 General</p> <p>A. 本程序有两项工作:</p> <p>This procedure has two tasks:</p> <ul style="list-style-type: none"> ● 点火激励器拆除 Removal of the ignition exciter ● 点火激励器安装 Installation of the ignition exciter. 	
<p>任务 TASK 74-11-01-004-001-C00</p> <p>2. 拆除准备 Prepare for the Removal</p> <p>(1) 拔出左侧激励器的跳开关，并挂上“禁止闭合”的警告牌：</p> <p>For the left (upper) exciter, open this circuit breaker and a DO-NOT-CLOSE tag:</p> <p>a) P6 跳开关控制板 L IGN 跳开关 P6 Load Control Center L IGN</p> <p>(2) 拔出右侧激励器的跳开关，并挂上“禁止闭合”的警告牌：</p> <p>For the right (lower) exciter, open this circuit breaker and attach a DO-NOT-CLOSE tag:</p> <p>a) P6 跳开关控制板 R IGN 跳开关 P6 Load Control Center R IGN</p> <p>(3) 打开右侧风扇罩。</p> <p>Open the applicable right fan cowl panel (TASK 71-11-02-012-001-C00).</p>	
<p>3. 拆除点火激励器 Ignition Exciter Removal</p> <p>警 告：触摸该组件前须确保点火系统关闭至少五分钟。点火电压高，有危险。高电压会对人员造成伤害。</p> <p>WARNING : MAKE SURE THAT THE IGNITION SYSTEM IS OFF FOR FIVE MINUTES BEFORE YOU TOUCH THE COMPONENT. IGNITION VOLTAGE IS HIGH WHICH MAKES IT DANGEROUS. IGNITION VOLTAGE CAN CAUSE INJURIES TO PERSONNEL.</p> <p>(1) 按以下步骤释放点火励磁机高电压：</p> <p>Do these steps to release the high voltage from the ignition exciter:</p> <p>a) 将启动电门设置在 OFF 位。 Set the start switch to the OFF position.</p> <p>b) 做下一步骤之前，等待至少 5 分钟。 Wait for a minimum of five minutes before you continue with the next step.</p> <p>注 意：在断开或连接电插头之前，须确保电插头干净。电插头的污染会引起设备损坏。</p> <p>CAUTION:MAKE SURE THAT THE ELECTRICAL CONNECTORS ARE CLEANBEFORE YOU DISCONNECT, OR CONNECT THEM.</p>	

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<p style="text-align: center;">CONTAMINATION OF THE ELECTRICAL CONNECTORS CAN CAUSE DAMAGE TO EQUIPMENT.</p> <p>(2) 拆除激励器： Do these steps to remove the exciter:</p> <p>a) 断开激励器前部的电插头。 Disconnect the connector on the forward side of the exciter.</p> <p>b) 断开激励器前部的电缆。 Disconnect the cable on the forward side of the exciter.</p> <p>c) 断开激励器后部的接头。 Disconnect the connector on the aft side of the exciter.</p> <p>d) 在脱开的接头上安装防尘帽。 Put dust caps on the open connectors.</p> <p>e) 用扳手将支架和激励器之间的螺栓固定。 Hold the stud, with the open end of the wrench on the stud flat, between the mount and the exciter.</p> <p>f) 拆除连接激励器和支架之间的 4 个螺母和垫圈。 Remove the nuts and washers that attach the exciter to the bracket at the 4 Locations .</p> <p>(3) 将激励器从螺栓上移除。 Remove the exciter from the studs.</p> <p>提 示：搭铁线必须与风扇外壳相连。 NOTE: The bond jumper must stay attached to the fan case.</p>	
<p>任务 TASK 74-11-01-404-006-C00</p> <p>4. 点火激励器的安装 IGNITION EXCITER-INSTALLATION</p> <p>A. 概述General</p> <p>(1) 本任务提供如何安装点火激励器的说明。 This task provides the instructions on how to install the ignition exciter.</p> <p>(2) 两个激励器的安装是一样的 The installation task is the same for the two exciters installed on each engine</p> <p>B. 点火激励器的安装 Ignition Exciter Installation</p> <p>(1) 在四个安装支架螺栓的螺纹和压力面上轻薄的涂上D00601 [CP2101]润滑脂 Lightly apply grease, D00601 [CP2101] to the threads and pressure faces of the four mounting bracket studs.</p> <p>(2) 按以下步骤安装激励器。 Do these steps to install the exciter:</p>	

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<p>a) 将激励器放在支架上, 并对准螺栓孔。 Install the exciter on the bracket studs.</p> <p>b) 在点火激励器和安装座之间用开口扳手固定住螺栓头。 Hold the stud, with the open end of the wrench on the stud flat, between the mount and the exciter.</p> <p>1) 安装四个激励器的垫片和螺母。 Install the exciter with four nuts and washers.</p> <p>2) 上方的激励器, 将搭铁线连接到左上角的螺柱。 For the upper exciter, connect the bond jumper to the upperleft stud.</p> <p>3) 下方的激励器, 将搭铁线连接到左下角的螺柱。 For the lower exciter, connect the bond jumper to the lower left stud.</p> <p>提 示: 确保搭铁线在垫圈和激励器之间 NOTE: Make sure the bond jumper is between the washer and the exciter.</p> <p>4) 拧紧螺母至55-70磅英寸。 Tighten the nut to 55-70 pound-inches . 实测值: _____ 工具号: _____</p> <p>注 意: 在断开或连接电插头之前, 请确保电插头干净。电插头的污染会引起设备损坏。 CAUTION: MAKE SURE THAT THE ELECTRICAL CONNECTORS ARE CLEAN BEFORE YOU DISCONNECT, OR CONNECT THEM. CONTAMINATION OF THE ELECTRICAL CONNECTORS CAN CAUSE DAMAGE TO EQUIPMENT.</p> <p>c) 将点火导线连接到激励器后部的接头上。 Connect the ignition lead to the connector on the aft side of the exciter.</p> <p>1) 将连接器螺母拧紧至60-80磅-英寸。 Tighten the connector nut to 60-80 pound-inches 实测值: _____ 工具号: _____</p> <p>d) 将供电电缆连接到激励器前部的插座上。 Connect the cable from the power supply to the connector on the forward side of the exciter.</p> <p>1) 用手指拧紧连接器螺母。 Tighten the connector nut with your fingers.</p> <p>C. 恢复飞机正常状态 Put the Airplane Back to Its Usual Condition</p> <p>(1) 取下警告牌并闭合左上部激励器的跳开关。 For the left (upper) exciter, close this circuit breaker and remove the</p>	

737-300/400/500 AIRCRAFT MAINTENANCE MANUAL

