

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	2020.07.11
区域 Zone	电子舱	依据文件 Reference	AMM 34-53-21	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 /2020.08.02	审批/日期 Approve/Data	张玉/2020.08.03		

标 题: 拆装 ATC1 收发机

SUBJECT: Removal/ installation ATC1 Transponder

说明/Comments:

1 号 ATC 收发机 M163,ATC 收发机安装在主设备舱的 E2 支架上。

The No. 1, M163, ATC transponders are installed on the E2 rack in the main equipment center.

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.资料/References

Reference	Title	Remark
AMM20-10-07 P/B 201	E/E RACK- MOUNTED COMPONENTS - MAINTENANCE PRACTICES.	N/A
24-22-00 P/B 201	MANUAL CONTROL - MAINTENANCE PRACTICES (APPLY POWER)	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	防静电手环	1	N/A
N/A	跳开关夹	AR	N/A
N/A	反光背心	AR	N/A
N/A	防静电袋	1	N/A

D.消耗品/Consumable Material

Reference	Description	Specification	QTY	Remark
N/A	警告牌	N/A	AR	N/A
N/A	插头清洁剂	N/A	1	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. 本程序有如下工作:</p> <p>This procedure has these tasks:</p> <ul style="list-style-type: none"> ●拆ATC收发机 ATC transponder Removal ●装ATC收发机 ATC transponder Installation <p>B. 1号ATC收发机M163,安装在主设备舱的E2支架上。</p> <p>The No. 1, M163,ATC transponders are installed on the E2 rack in the main equipment center.</p>	
<p>任务 TASK 34-53-21-004-001</p> <p>2. 拆ATC收发机 ATC transponder Removal</p> <p>(1) 拔出以下跳开关, 并挂“禁止闭合”警告牌。</p> <p>(a) P6 面板 ATC 2</p> <p>(b) P18 面板 ATC1</p> <p>Open these circuit breakers and attach DO-NOT-CLOSE tags.</p> <p>(a) P6 Panel ATC 2</p> <p>(b) P18 Panel ATC1</p> <p>(2) 打开接近盖板。</p> <p>盖板号 名称/位置</p> <p>1201 主设备接近门</p> <p>Open this access panel:</p> <p>Number Name/Location</p> <p>1201 main equipment center</p> <p>注 意:不要接触 ATC 收发机上的插钉或其他导体。如果接触这些导体, 静电释放会损坏 ATC 收发机。</p> <p>CAUTION:DO NOT TOUCH THE CONNECTOR PINS OR OTHER CONDUCTORS ON THE ATC TRANSPONDER. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE ATC TRANSPONDER.</p> <p>(3) 拆装人员戴上防静电手环, 静电手腕的另一端连接到相应的静电接地的插孔内。</p> <p>Put the strap of the static control wrist strap, on the wrist of the person that will remove the metal encased unit. Connect the strap to an applicable electrostatic ground jack.</p>	

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<p>(4) 逆时针旋转旋钮给拔出装置解锁。转动保持圈使深槽和T型挂钩对齐。从T型挂钩处放下拔出装置。</p> <p>Turn the front hold-down extractor knob counterclockwise to disengage the extractor clutch. Turn the keeper to align the deep slot with the T-hook. Lower the extractor off the T-hook.</p> <p>(5) 小心翼翼的将ATC收发机从计算机托盘上拔出。</p> <p>Carefully remove the ATC transponder out from the tray.</p> <p>(6) 拆除 ATC 收发机之前确保后部连接器已经完全断开。</p> <p>Make sure that the connector is fully disengaged before the removal of the ATC transponder.</p> <p>(7) <u>*在 ATC 收发机连接插钉和托盘插座上安装防尘盖。</u></p> <p><u>Install dust caps on the E/E box electrical connector and on the tray electrical connector.</u></p> <p>(8) 将 ATC 收发机放到防静电袋内。</p> <p>Put ATC transponder into ESDS bag .</p>	
<p>任务 TASK 34-53-21-404-004</p> <p>3. 安装ATC收发机 ATC Transponder Installation</p> <p>注 意: 不要接触ATC收发机上的插钉或其他导体。如果接触这些导体, 静电释放会损坏ATC收发机。</p> <p>CAUTION: DO NOT TOUCH THE CONNECTOR PINS OR OTHER CONDUCTORS ON THE ATC TRANSPONDER. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE ATC TRANSPONDER.</p> <p>(1) 对照托盘通风孔贴图确保橡胶堵盖都装在正确的位置上。</p> <p>Make sure the rubber plugs are installed in the metering tray at the correct locations.</p> <p>NOTE: Compare the tray orifice configuration with that shown on the decal.</p> <p>(2) <u>*将电插头的防尘罩移除。</u></p> <p><u>Remove the dust caps from the electrical connectors.</u></p> <p>(3) 确保ATC收发机的电气插钉和计算机托盘上的电气接头没有弯曲和损坏。更换所有的损坏的组件。</p> <p>Make sure the electrical pins of the E/E box and the tray connector are not bent or damaged. Replace all damaged components.</p> <p>(4) 确保ATC收发机和托盘导向销能够结合。</p>	

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<p>Make sure the guide pins on the tray will engage with the E/E box .</p> <p>(5) 清洁电气连接处小心翼翼的将ATC收发机和托盘上的电气接头连接。 Clean the electrical connector, carefully move the E/E box in the tray and engage the electrical connector.</p> <p>(6) 转动保持圈使T型挂钩和深槽对齐。 Turn the keeper to align the deep slot with the T-hook.</p> <p>(7) 将拔出装置装在T型挂钩上，转动保持圈180度。 Put the extractor on the T-hook and turn the keeper 180 degrees.</p> <p>(8) 拧紧锁紧装置。顺时针旋转旋钮直到拔出装置完全锁紧。 Tighten the front hold-down extractor. Turn the front hold-down extractor clockwise until the extractor clutch is fully engaged.</p> <p>(9) 左右移动ATC收发机。确保ATC收发机已固定、锁紧。 Move the E/E box left to right. Make sure the E/E box is tight.</p> <p>(10) 移除静电手腕 Remove the strap.</p> <p>(11) 移除警告牌闭合跳开关。 (a) P6 面板 ATC 2 (b) P18 面板 ATC1 Remove the DO-NOT-CLOSE tags and close these circuit breakers: (a) P6 Panel ATC 2 (b) P18 Panel ATC1</p> <p>(12) <u>*ATC收发机测试。</u> <u>ATC Transponder Test.</u></p> <p>a) 给飞机供电。 Supply electrical power (PAGEBLOCK 24-22-00/201).</p> <p>b) 在安装的ATC收发机上按压测试电门并保持住。 Push and hold the TEST switch on the applicable ATC transponder.</p> <p>1) 确保通过自检测试并且没有监测到故障。 2) Make sure the self-test passes and no faults are detected.</p> <p>c) 松开ATC收发机上的测试电门。 Release the TEST switch on the ATC transponder.</p>	

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<p>4. 收尾Close-Out :</p> <ul style="list-style-type: none">(1) 作业区域整理清洁。 Keep the working area clean and tidy.(2) 落实三清点。 Implement the three checks.(3) 关闭接近门。 Close access panel:(4) 断开飞机电源。 Remove electrical power if it is not necessary (PAGEBLOCK 24-22-00/201).(5) 维修记录签署完成 。 Complete the signature of maintenance record. <p style="text-align: center;">----- END OF TASK -----</p>	

