

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	2020.07.15
区域 Zone	机身	依据文件 Reference	AMM 34-53-11	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 /2020.08.05	审批/日期 Approve/Data	张玉/2020.08.06		

标 题: 拆装 ATC 天线**SUBJECT: AIR TRAFFIC CONTROL (ATC) ANTENNA - REMOVAL/INSTALLATION****说明/Comments:**

拆装指定的 ATC 天线

Removal/installation specified ATC antenna.

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
AMM 20-30-31 P/B 201	CLEANERS AND POLISHES - MAINTENANCE PRACTICES	N/A
AMM 24-22-00 P/B 201	MANUAL CONTROL - MAINTENANCE PRACTICES (APPLY POWER)	N/A
SWPM 20-20-00	ELECTRICAL BONDING PROCESSES	N/A
AMM 51-31-00 P/B 201	SEALS AND SEALING - MAINTENANCE PRACTICES	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	十字螺丝刀	1	或等效工具
N/A	插头钳	1	或等效工具
N/A	毫欧表	1	或等效工具
N/A	铲刀	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	胶枪	1	N/A

D.消耗品/Consumable Material



无国界 | 航空技术

实作工卡

JOB CARD

工卡号

JC No.

M8-024

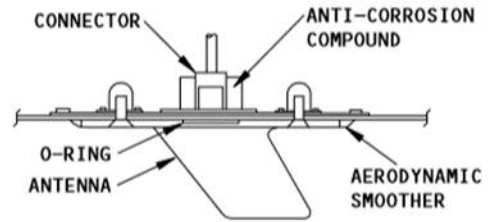
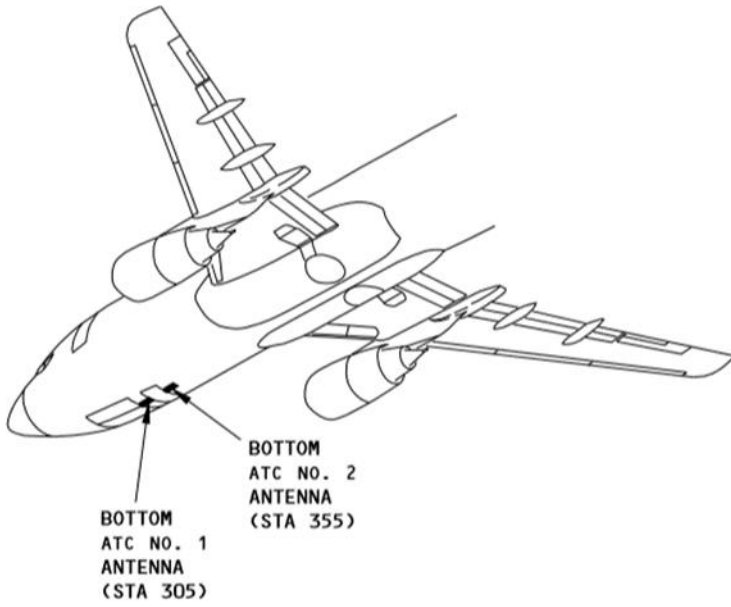
Reference	Description	Specification	QTY	Remark
N/A	警告牌	N/A	AR	N/A
N/A	抹布	N/A	AR	N/A
N/A	纸胶带	N/A	AR	N/A
N/A	保护袋	N/A	AR	或等效耗材
N/A	酒精	N/A	AR	N/A
N/A	密封胶	N/A	1	或等效耗材
N/A	压舌板	N/A	AR	或等效耗材
N/A	插头清洁剂	N/A	1	N/A
N/A	线手套	N/A	AR	N/A
N/A	橡胶手套	N/A	AR	N/A

工 作 内 容 CONTENTS	工作者 MECHANIC
<p>1. 概述 General</p> <p>该工作步骤包括两个任务。第一个任务是拆除ATC天线。第二个任务是安装ATC天线并进行测试。</p> <p>The subject has two tasks. The first task is the removal of the ATC antenna. The second task is the installation of the ATC antenna and a test of the ATC antenna.</p>	
<p>TASK 34-53-11-004-059</p> <p>2. 拆除ATC天线 ATC Antenna Removal</p> <p>A. 概述 General</p> <p>本程序用于天线的拆除。</p> <p>This procedure is used for removal of antennas. Check the main wheel well after the voyage, find The service light is not working.</p> <p>B. 步骤 Procedure</p> <p>(1) 拔出这些跳开关并挂上“禁止闭合”警告牌。</p> <p>Open these circuit breakers and attach DO-NOT-CLOSE tags:</p> <p>a) P18 负载控制中心-左</p> <p>P18 Load Control Center - Left</p> <p>1) ATC 1</p> <p>2) AIR DATA SYSTEM No. 1</p> <p>b) P18 负载控制中心-右</p> <p>P18 Load Control Center - Right</p> <p>1) ATC 2</p> <p>2) AIR DATA SYSTEM No. 2</p> <p>3) ATC ANT SW</p> <p>(2) 拆除ATC天线。</p> <p>Remove the ATC antenna:</p> <p>a) 拆下固定ATC天线到飞机结构上的螺钉。</p> <p>Remove the fixed screws connect ATC antenna to the structure.</p> <p>告 诫: 仅在必要时移动天线去断开电缆。拉动天线电缆, 可能会损坏天线电缆。</p> <p>CAUTION: MOVE THE ANTENNA ONLY AS FAR AS NECESSARY TO DISCONNECT THE CABLE. DAMAGE TO THE ANTENNA CABLE</p>	

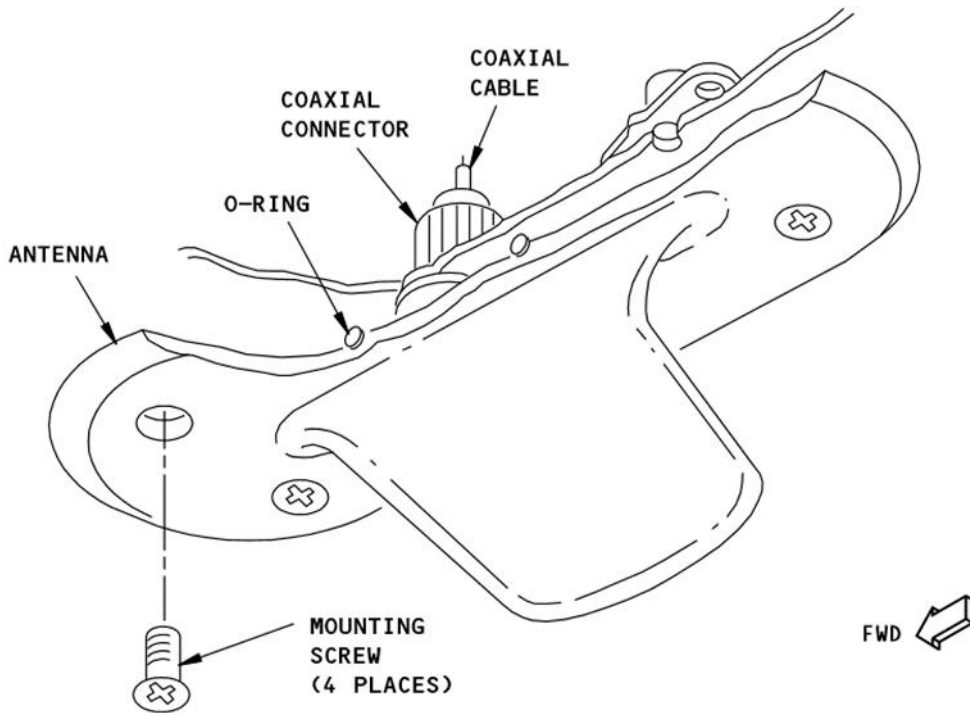
工 作 内 容 CONTENTS	工作者 MECHANIC
<p style="text-align: center;">CAN OCCUR IF YOU PULL THE CABLE.</p> <p>b) 拿好天线，并用密封胶去除工具去除密封胶。（PAGEBLOCK 51-31-00/201） While you hold the antenna, break the seal with the sealant removal tool. (PAGEBLOCK 51-31-00/201)</p> <p>c) 将天线组件从飞机结构上拉出，接近同轴电缆。 Pull the antenna assembly away from the airplane structure to get access to the coaxial cables.</p> <p>d) 断开同轴电缆。 Disconnect the coaxial cables.</p> <p>注 意：不要让天线电缆缩回机身。 NOTE: Do not let the antenna cable retract into the fuselage.</p> <p>e) 在电插头上安装防尘帽。 Install dust caps on the electrical connectors.</p> <p>f) 拆除ATC天线。 Remove the ATC antenna.</p> <p>g) 拆除垫圈。 Remove the gasket.</p> <p>注 意：对于空气动力垫片，必须特别注意清除凝胶材料残留，以防止硅油污染飞机其他部位，这可能会导致粘胶困难。 NOTE: For the Aerobond gasket, special attention must be used to remove the gel material residue to prevent silicone oil contamination on other parts of the airplane skin, which may cause paint adhesion difficulties.</p>	
<p>TASK 34-53-11-404-061</p> <p>3. 安装ATC天线 ATC Antenna Installation</p> <p>(1) 安装ATC天线 Install the ATC antenna:</p> <p>a) 用刷子将清洁溶剂涂在天线底座和安装区域(PAGEBLOCK 20- 30-31/201)。 Apply a clean solvent with the brush to the antenna base and the mounting area (PAGEBLOCK 20-30-31/201).</p> <p>b) 用干净的布除去溶剂。 Remove the solvent with a clean cloth.</p> <p>c) 从新天线上拆下并报废O形封圈。</p>	

工 作 内 容 CONTENTS	工作者 MECHANIC
<p>Remove and discard the O-ring from the new antenna.</p> <p>d) 从垫圈上拆下塑料保护盖。 Remove the plastic covers from the gasket .</p> <p>e) 把垫圈放到天线上。 Put the gasket on the antenna.</p> <p>f) 将同轴电缆连接到ATC天线。 Connect the coaxial cables to the ATC antenna.</p> <p>g) 将天线放入其位置拧紧螺丝。 Put the antenna into its position and tight the screws.</p> <p>(2) 确保天线基座与飞机蒙皮之间的搭接电阻不超过0.1欧 (SWPM20-20-00) Make sure the bonding resistance from the antenna base to the airplane skin is no larger than 0.1 ohms (SWPM 20-20-00).</p> <p>(3) 在天线和飞机表面结合的边缘涂抹光滑的符合气动外形的密封胶, PS870B1/2 (PAGEBLOCK 51-31-00/201) Apply the weather-aerodynamic fillet sealant, PS870B1/2 between the antenna and the airplane surface to make the edge smooth (PAGEBLOCK 51-31-00/201).</p> <p>(4) 取下“禁止闭合”警告牌, 闭合跳开关: Remove the DO-NOT-CLOSE tags, and close these circuit breakers:</p> <p>a) P18 负载控制中心-左 P18 Load Control Center - Left</p> <ol style="list-style-type: none"> 1) ATC 1 2) AIR DATA SYSTEM No. 1 <p>b) P18 负载控制中心-右 P18 Load Control Center - Right</p> <ol style="list-style-type: none"> 1) ATC 2 2) AIR DATA SYSTEM No. 2 3) ATC ANT SW 	
<p>4*. 测试ATC天线 ATC Antenna Test</p> <p>(1) 飞机供电(PAGEBLOCK 24-22-00/201). Supply electrical power (PAGEBLOCK 24-22-00/201).</p> <p>(2) 将ATC控制面板上的应答机选择开关设置到相应的应答机上。</p>	

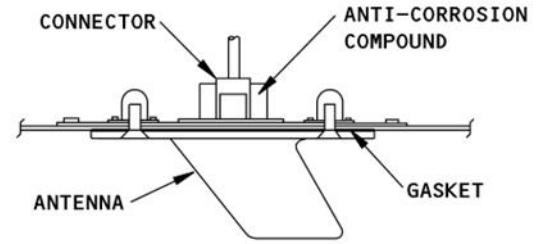
工 作 内 容 CONTENTS	工作者 MECHANIC
<p>Set the transponder select switch on the ATC control panel to the applicable transponder.</p> <p>(3) 按住相应ATC应答机上的测试开关。 Push and hold the TEST switch on the applicable ATC transponder.</p> <p>a) 确保自测通过, 没有发现故障。 Make sure the self-test passes and no faults are detected (SUBTASK34-53-11-744-055)</p> <p>(4) 松开ATC应答机的测试开关。 Release the TEST switch on the ATC transponder. (SUBTASK 34-53-11-864-056)</p> <p>(5) 如不需要, 给飞机移除电源。 Remove electrical power if it is not necessary (PAGEBLOCK 24-22-00/201).</p>	
<p>5. 收尾Close-Out :</p> <p>(1) 作业区域整理清洁。 Keep the working area clean and tidy.</p> <p>(2) 设施、设备归还到位。 Return the facilities and equipment back.</p> <p>(3) 构型要恢复正常 。 Restore to the normal configuration.</p> <p>(4) 落实三清点。 Implement the three checks.</p> <p>(5) 维修记录签署完成 。 Complete the signature of maintenance record.</p> <p style="text-align: center;">----- END OF TASK -----</p>	



ATC ANTENNA (INSTALLED)



ATC ANTENNA



ATC ANTENNA
(INSTALLED)
B-B

