

实作工卡

JOB CARD

工卡号

JC No. M8-025

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	2020.07.13
区域 Zone	发动机	依据文件 Reference	AMM36-11-86	版本 Rev	R0	预计工时 Est. MHrs	8H
编写/修订 Edited By	葛荣文	审核/日期 Review/Date	谈海军 /2020.08.03	审批/日期 Approve/Data	张玉/2020.08.04		

标 题: 拆装高压级引气调节器

SUBJECT: HIGH STAGE REGULATOR - REMOVAL/INSTALLATION

说明/Comments:

拆装指定发动机上的高压级引气调节器

Removal/ installation High stage Regulator on the specified 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.

A. 参考资料/References

Reference	Title	Remark
AMM 36-05-00 P/B 201	PNEUMATIC SYSTEM - MAINTENANCE PRACTICES (PRESSURIZE/DEPRESSURIZE PNEUMATIC SYSTEM)	N/A
AMM 71-11-02 P/B 201	FAN COWL PANEL (OPENING AND CLOSING) - MAINTENANCE PRACTICES	N/A
AMM 78-31-00 P/B 201	THRUST REVERSER SYSTEM - 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	11/16 开口扳手/开口头	1	或等效工具
N/A	13/16 开口扳手/开口头	1	或等效工具
N/A	棘轮扳手	1	或等效工具
N/A	5/16 套筒/开口/平板棘轮	1	或等效工具
N/A	40-200 磅寸力矩扳手	1	或等效工具
N/A	反光背心	1	或等效工具



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N/A

跳开关夹

AR

N/A

D. 消耗品/Consumable Material

Reference	Description	Specification	QTY	Remark
N/A	防咬剂	N/A	1	N/A
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	试漏剂	N/A	1	N/A
N/A	线手套	N/A	AR	N/A

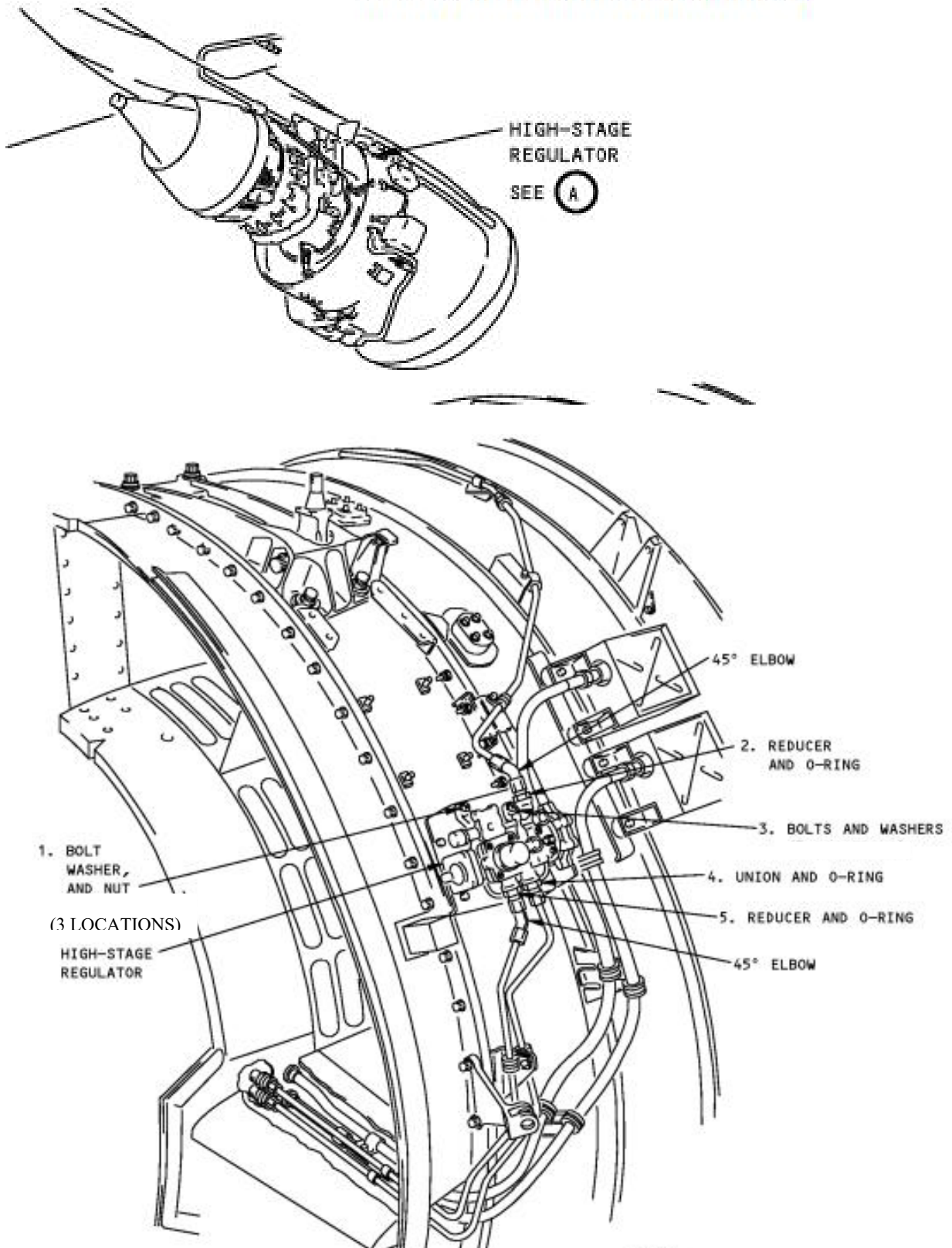
工 作 内 容 CONTENTS	工作者 MECHANIC
<p>1. 概述 General</p> <p>A. 该工作步骤包括两部分任务。第一部分为拆除高压引气调节器。第二部分为安装高压引气调节器。</p> <p>This procedure contains two tasks.The first task removes high stage regulator .The second task installs the high stage regulator .</p> <p>B. 高压引气调节器在右侧风扇机匣的后部2点钟的位置。</p> <p>The high stage regulator is found on the right side of the aft fan case at the 2 o'clock position.</p>	
<p>TASK 36-11-86-004-001</p> <p>2. 拆除高压引气调节器</p> <p>A. 拆除高压引气调节器准备工作</p> <p>Prepare to Remove the High Stage Regulator</p> <p>(1) 确认相应发动机不工作。</p> <p>Make sure the applicable engine is not in operation.</p> <p>(2) 推力手柄推至完全最后的位置并挂上“禁止操作”的警告牌。</p> <p>Put the forward thrust lever in the fully rearward position and attach a DO-NOT-OPERATE tag.</p> <p>(3) 启动手柄放在关闭位并挂上“禁止操作”的警告牌。</p> <p>Put the start lever in the CUTOFF position and attach a DO-NOT-OPERATE tag.</p> <p>(4) 移除气源系统压力(AMM 36-05-00/201)。</p> <p>Remove the pressure from the pneumatic system (AMM 36-05-00/201).</p> <p>(5) 拔出P6面板上引气控制系统相应跳开关，并挂上“禁止闭合”警告牌。</p> <p>Open the applicable circuit breaker for the bleed air control on the P6 panel and attach a DO-NOT-CLOSE tag.</p> <p>(6) 在相应引气电门上挂上“禁止闭合”警告牌。</p> <p>Attach a DO-NOT-CLOSE tag to the applicable BLEED switch.</p> <p>警 告： 执行反推失效程序防止反推作动，反推意外作动会造成人员受伤设备损坏。</p> <p>WARNING: DO THE DEACTIVATION PROCEDURE TO PREVENT THE OPERATION OF THE THRUST REVERSERS.THE ACCIDENTAL OPERATION OF THE THRUST REVERSER CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO</p>	

<p style="text-align: center;">工 作 内 容 CONTENTS</p>	<p style="text-align: center;">工作者 MECHANIC</p>
<p style="text-align: center;">EQUIPMENT.</p> <p>(7) 完成反推失效程序(AMM 78-31-00/201)。 Do the deactivation procedure for the thrust reverser for ground maintenance(AMM 78-31-00/201).</p> <p>(8) 打开风扇整流罩(AMM 71-11-04/201)。 Open the fan cowl panels (AMM 71-11-04/201).</p>	
<p>B. 拆除高压引气调节器 Remove the high stage regulator</p> <p>(1) 断开信号管(3 个位置) 。 Disconnect the sense lines(3 locations) .</p> <p>(2) 除了前方下部的紧固件，从 3 处地方松开并拆下固定调节器的螺栓、螺帽和垫圈 (1) 。 Loosen and remove the bolt, washer and nut (1) from 3 locations except forward bolt hole at the bottom of the regulator .</p> <p>(3) 松开并拆除在安装支架上固定调节器的螺钉和垫片。 Loosen and remove the bolts and washers from the remaining bolt holes. 注意：有 3 个螺栓是螺帽固定的，余下的螺栓孔内有拖把螺帽。 NOTE: there are three loations have nuts . There are one place has nutplate.</p> <p>(4)拆除高压级引气调节器 Remove the high stage regulator.</p>	
<p>TASK 36-11-86-404-014</p> <p>3. 安装引气调节器 (high stage regulator)</p> <p>A. 安装高压级引气调节器 (HSG) Install the high stage regulator</p> <p>(1) 在3处信号管连接处涂上一层薄薄的防咬剂。 Apply a thin layer of the Never-Seez NSBT-8N compound, D00006 to the external threads ofcouplings on three location.</p> <p>(2) 安装3处感应管，拧紧感应管到150-170in-lb. Connect the sense lines (3 locations).Tighten the sense lines to the torque of 150in-lb.</p>	

工 作 内 容 CONTENTS	工作者 MECHANIC
<p>实测值: _____ 工具号: _____</p> <p>(3) 用螺栓、垫圈、和螺母连接调节器到发动机支架上。磅力60-65in-lb。 Attach the regulator to the engine bracket with the bolts, washers and nut. torque 60-65in-lb.</p> <p>实测值: _____ 工具号: _____</p> <p>注意: 有3处是用螺帽紧固的, 有一处的螺栓孔下面是托板螺母. 垫圈的倒角需朝向螺栓头。</p> <p>NOTE: there are three loations have nuts . There are one place has nutplate.The chamfer of the washers is in the direction of the bolt heads.</p> <p>(4) 给高压级引气调节器做测试。 Do the test for the high stage regulator:</p> <p>(a) 闭合跳开关。 Remove the DO-NOT-CLOSE tag and close the circuit breaker for the bleed air control.</p> <p>(b) 根据手册章节36-11-85/501检查高压级引气调节器和管路连接处渗漏。 Perform the PAGEBLOCK 36-11-85/501 to examine the HSR and connections for leakage.</p> <p>注意: 不允许有渗漏。</p> <p>NOTE: There is no leakage permitted.</p> <p>(c) 从以下部件上拿走不要操作警告牌。 Remove the DO-NOT-OPERATE tags from the components that follow:</p> <p>1) 引气开关 The BLEED switch</p> <p>2) 发动机启动杆 The start lever.</p> <p>3) 发动机推力杆 The forward thrust lever</p> <p>(d) 关闭发动机风扇包皮。</p>	
<p>4. 高压级引气调节器安装测试</p>	

<p style="text-align: center;">工 作 内 容</p> <p style="text-align: center;">CONTENTS</p>	<p style="text-align: center;">工作者</p> <p style="text-align: center;">MECHANIC</p>
<p>(1) 根据24-22-00/201.给飞机提供电源 Do this task: PAGEBLOCK 24-22-00/201.</p> <p>(2) 闭合跳开关 Remove the DO-NOT-CLOSE tag and close the circuit breaker for the bleed air control.</p> <p>(3) 根据任务71-00-00-802-117-C00. 干转启动发动机。 To dry motor the engine, do this task: Power Plant (Dry Motor or Wet Motor)Operation, TASK 71-00-00-802-117-C00.</p> <p>(4) 在3处信号管的接头处涂上肥皂水, 检查渗漏。 Put a soap solution on the connections and look for leaks. (a)修复检查到的渗漏。 Repair any leak that you find.</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>	

AIRCRAFT MAINTENANCE IV



Bleed Air Regulator Installation
Figure 401 (Sheet 2 of 2)/36-11-16-990-801

