

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	2020.07.14
区域 Zone	左主轮舱 216	依据文件 Reference	AMM29-15-34	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A系统EMDP壳体回油滤

SUBJECT: System A EMDP Case Drain Filter Element - Removal/Installation

说明/Comments:

A 液压系统 EMDP 壳体回油滤位于左主轮舱, B 液压系统 EMDP 壳体回油滤位于右主轮舱。

System A Hydraulic EMDP Case Drain Filter Element is located in the left main wheel Well, system B Hydraulic EMDP Case Drain Filter Element is located in the right main wheel Well.

工卡中加*的步骤, 实施时由学员在驾驶舱或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 or work area during the implementation.

计划信息/Planning Information

A. 参考资料/References

Reference	Title	Remark
N/A	N/A	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	7/8 开口扳手	1	或等效工具
N/A	斜口钳	1	或等效工具
N/A	尖嘴钳	1	或等效工具
N/A	7/8 开口头	1	或等效工具
N/A	40-200 磅寸力矩扳手	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	N/A
N/A	工具箱	1	或等效工具

D. 消耗品/Consumable Material

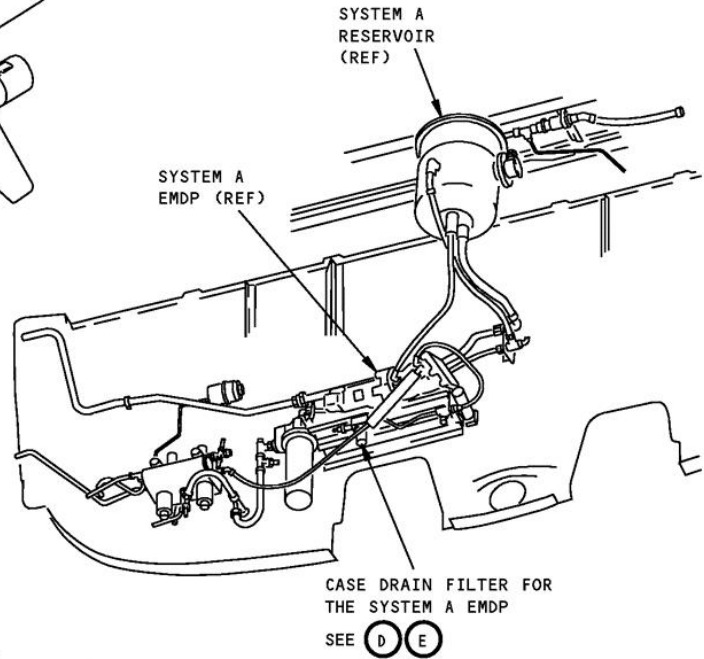
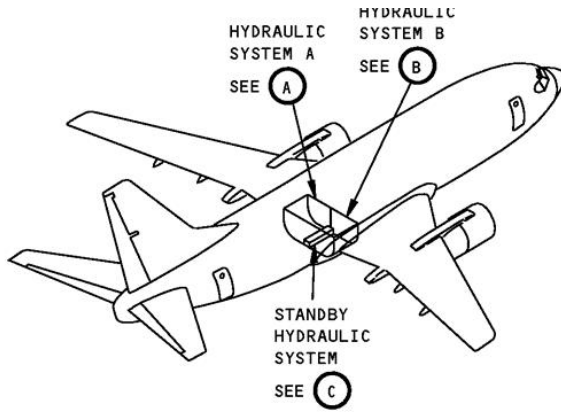
Reference	Description	Specification	QTY	Remark
N/A	液压油	LD-4	AR	N/A
N/A	保险丝	N/A	AR	N/A
N/A	警告牌	N/A	AR	N/A
N/A	抹布	N/A	AR	N/A
N/A	橡胶手套	N/A	AR	N/A
N/A	线手套	N/A	AR	N/A

工 作 内 容 CONTENTS	工作者 MECHANIC
<p>1. 概述 General</p> <p>本程序提供了对A液压系统EMDP壳体回油滤执行下列工作的说明: This procedure gives you the instructions to do these tasks to the case drain filter for the EMDP of the system A hydraulic systems:</p> <ul style="list-style-type: none"> ● 拆除滤芯 Remove the filter element ● 安装滤芯 Install the filter element 	
<p>任务 TASK 29-15-34-002-001</p> <p>2. 拆除 A 系统 EMDP 壳体回油滤 System A EMDP Case Drain Filter Element Removal</p> <p>(1) 拔出相应跳开关并挂上“禁止闭合”警告牌: Open the applicable circuit breakers and attach DO-NOT-CLOSE tags:</p> <ol style="list-style-type: none"> a) P6面板 <ol style="list-style-type: none"> 1) ELEC HYD PUMP CONT SYS A 2) ELEC HYD PUMP CONT SYS B <p>(2) 释放相应液压油箱压力(PAGEBLOCK 29-09-00/201)。 Release the pressure from the applicable hydraulic reservoir (PAGEBLOCK 29-09-00/201).</p> <p>(3) 在主轮舱区域找到相应壳体回油滤。 Find the applicable case drain filter in the main wheel well area:</p> <ol style="list-style-type: none"> a) A系统EMDP的壳体回油滤在左主轮舱的前壁板上。 The case drain filter for the system A EMDP is on the forward bulkhead in the left wheel well. <p>(4) 脱开泵供油管快速脱开接头。 Disconnect the pump supply line at the quick-disconnect.</p> <p>注 意：A系统泵供油快速脱开接头在A系统液压油箱底部。 NOTE: The pump supply quick-disconnect for the hydraulic system A is on the bottom of the reservoir for the hydraulic system A.</p> <p>(5) 从油滤底座上拆下滤杯。 Remove the filter bowl from the filter head.</p> <p>注 意：滤芯和滤杯一起拆下。 NOTE: Remove the filter element with the filter bowl.</p> <p>(6) 从滤杯上拆下滤芯。 Remove the filter element from the filter bowl.</p> <p>(7) 检查滤芯、滤杯和滤杯中的液压油是否有金属屑。 Examine the filter element, the filter bowl, and the fluid in the filter bowl for metal</p>	

工 作 内 容 CONTENTS	工作者 MECHANIC
<p>contamination.</p> <p>a) 将油滤的检查结果记录下来，交给泵的检修机构。 Write down the results of the filter inspection and give them to the pump overhaul facility.</p> <p>注 意：油滤的检查结果可以帮助了解泵的状态，轴承不正常的泵通过功能测试没有发现故障可以继续使用，将油滤检查的数据报告大修机构可以预防不正常泵的返厂修理。</p> <p>NOTE: The filter inspection results can be used as an aid to find the condition of the pump. A pump with an unsatisfactory bearing can pass the functional test and be returned to service with no fault found. Giving the filter inspection data to the overhaul facility can prevent the return of an unsatisfactory pump to service.</p> <p>告 诫：冲洗液压管路，清除剩余的金属污染。如果管道没有冲洗，那么剩余的金属污染可能在下次更换油滤时被发现。如果有大量的金属污染留在管道里，油滤会被堵塞。一个被污染的滤芯会导致不必要的更换可用泵。一个被阻塞的油滤会导致泵故障。</p> <p>CAUTION: FLUSH THE HYDRAULIC LINES TO REMOVE UNWANTED METAL CONTAMINATION. IF THE LINES ARE NOT FLUSHED, THEN THE REMAINING METAL CONTAMINATION CAN BE FOUND AT THE NEXT FILTER CHANGE. IF A LARGE QUANTITY OF METAL CONTAMINATION STAYS IN THE LINES, THEN THE FILTER CAN BECOME BLOCKED. A CONTAMINATED FILTER CAN CAUSE AN UNWANTED REMOVAL OF A SATISFACTORY PUMP. A BLOCKED FILTER CAN CAUSE A PUMP TO FAIL.</p> <p>(8) 报废滤芯。 Discard the filter element.</p> <p>(9) 清洁滤杯。 Clean the filter bowl.</p>	
<p>任务 TASK 29-15-34-402-011</p> <p>3. 安装A系统EMDP壳体回油滤 Systems A EMDP Case Drain Filter Element Installation</p> <p>(1) 对系统A EMDP壳体回油滤执行以下步骤： Do the following steps for the system A EMDP case drain filter:</p> <p>a) 润滑并将两个备用O形密封圈安装到油滤本体。 Lubricate and install the two backup rings, and the O-ring in the filter head.</p> <p>b) 润滑并将O形密封圈安装在滤芯上。</p>	

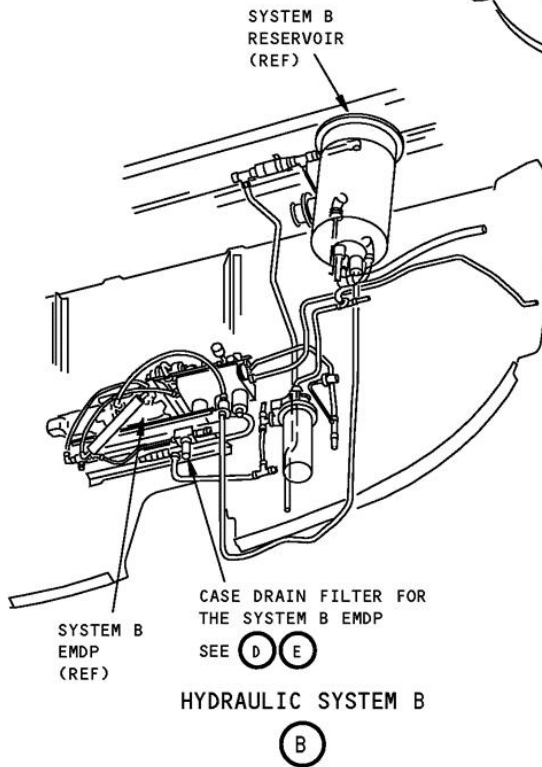
工 作 内 容 CONTENTS	工作者 MECHANIC
<p>Lubricate and install the O-ring in the filter element.</p> <p>c) 将滤芯放入滤杯中。 Put the filter element in the filter bowl.</p> <p>d) 用液压油润滑滤杯的螺纹。 Lubricate the threads of the filter bowl with hydraulic fluid.</p> <p>e) 将滤杯和滤芯置于油滤组件下。从滤杯中提起滤芯，压入油滤组件出口。 Position the filter bowl and filter element under the filter module. Raise the filter element from the filter bowl and press it onto the filter module outlet.</p> <p>f) 将滤杯安装在油滤本体上，拧紧至96-120磅英寸。 Install the filter bowl on the filter head and tighten it to 96-120 pound-inches. 力矩值Torque Value: _____ 工具号Tool NO: _____</p> <p>(2) <u>*给相应液压油箱增压 (PAGEBLOCK 29-09-00/201)。</u> <u>Pressurize the applicable hydraulic reservoir (PAGEBLOCK 29-09-00/201)。</u></p> <p>(3) 取下“禁止闭合”警告牌并闭合下列跳开关： Remove the DO-NOT-CLOSE tags and close these circuit breakers:</p> <p>a) P6面板</p> <p>1) ELEC HYD PUMP CONT SYS A</p> <p>2) ELEC HYD PUMP CONT SYS B</p> <p>(4) <u>*给飞机供电。</u> <u>Supply electrical power (PAGEBLOCK 24-22-00/201)。</u></p> <p>(5) <u>*使用EMDP为相应液压系统提供液压动力(PAGEBLOCK 29-15-00/201)。</u> <u>Supply hydraulic power to the applicable hydraulic system with the EMDP (PAGEBLOCK 29-15-00/201)。</u></p> <p>(6) <u>*确认相应EMDP工作。</u> <u>Make sure the applicable EMDP operates.</u></p> <p>(7) 确保壳体回油滤没有渗漏。 Make sure the case drain filter does not have leaks.</p> <p>(8) 给滤杯打保险。 Install lockwire on the filter bowl.</p> <p>(9) 按需添加液压油(PAGEBLOCK 12-12-00/301)。 Fill the hydraulic reservoir, if it is necessary (PAGEBLOCK 12-12-00/301).</p> <p>(10) <u>*按需给飞机断电(PAGEBLOCK 24-22-00/201)。</u> <u>Remove electrical power if it is not necessary (PAGEBLOCK 24-22-00/201)。</u></p>	
<p>4. 收尾Close-Out :</p> <p>(1) 作业区域整理清洁。 Keep the working area clean and tidy.</p>	

工 作 内 容 CONTENTS	工作者 MECHANIC
<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>	



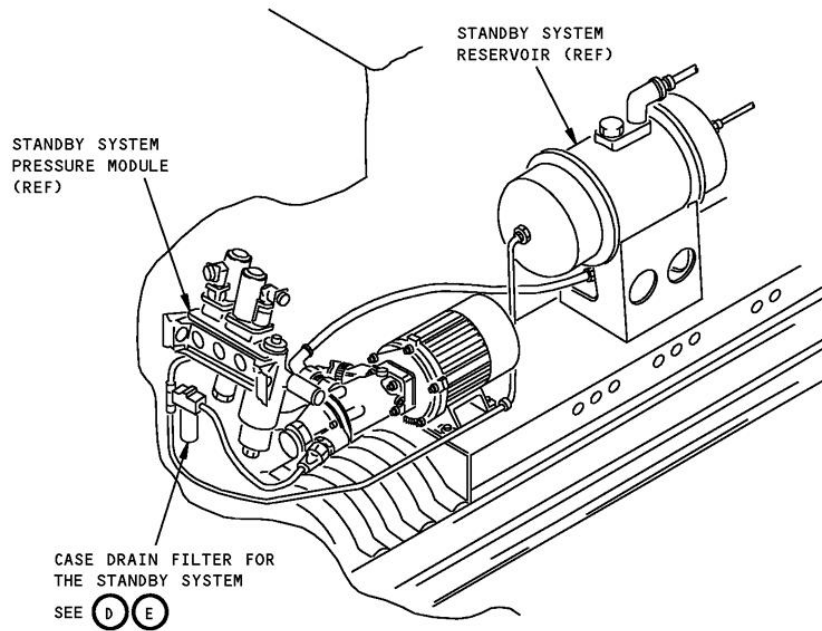
HYDRAULIC SYSTEM A

(A)



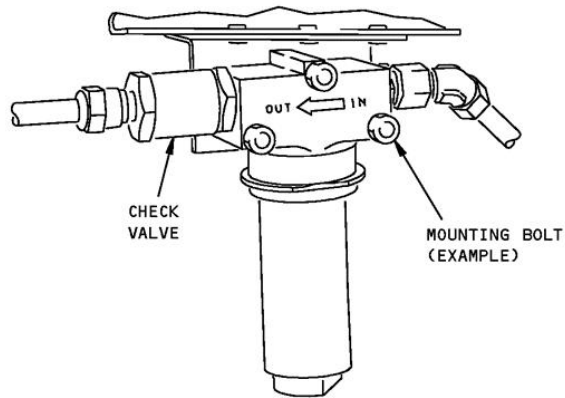
HYDRAULIC SYSTEM B

(B)



STANDBY HYDRAULIC SYSTEM

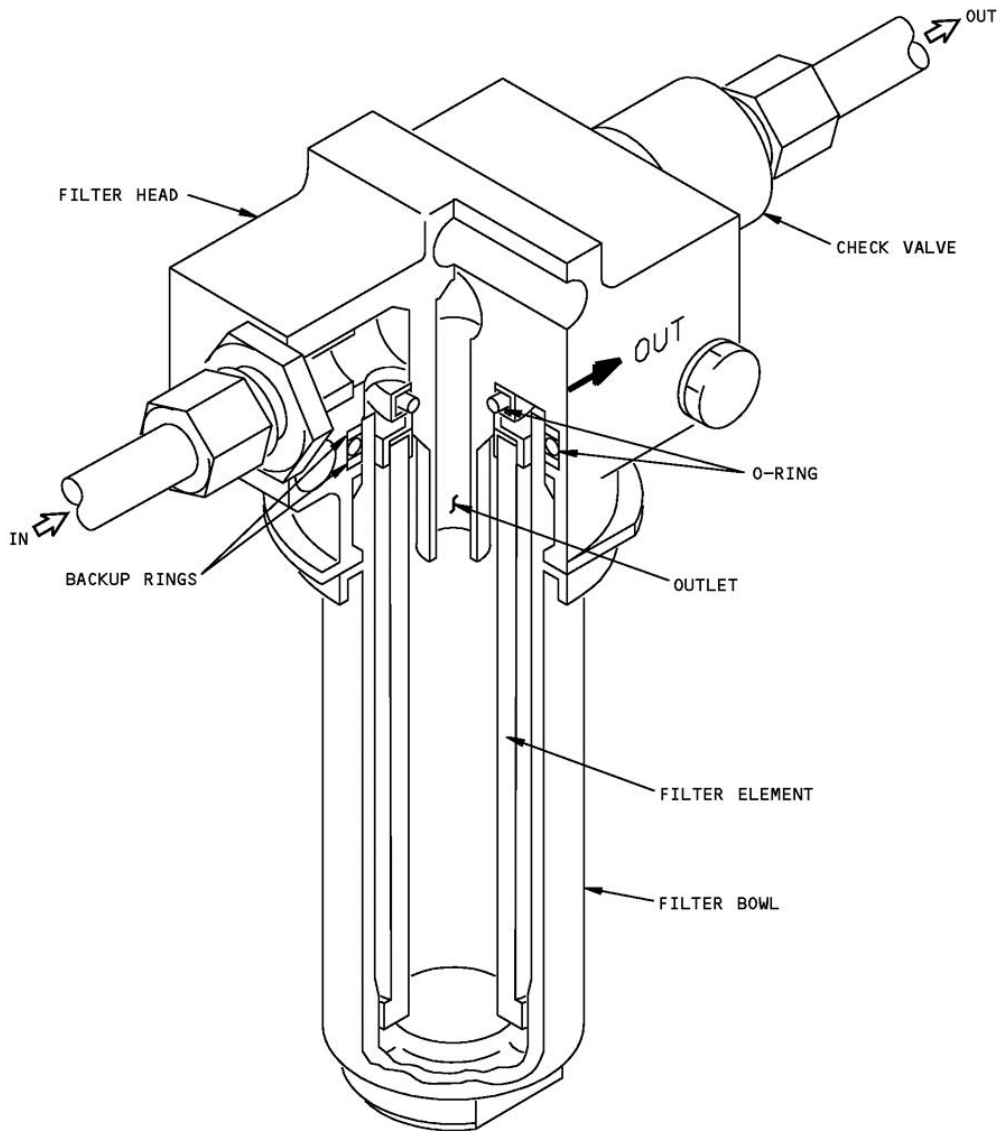
(C)



CASE DRAIN FILTER
(SYSTEM A IS SHOWN, SYSTEM B AND THE STANDBY SYSTEM ARE OPPOSITE)

(D)

165813 S00041224213_V1



CASE DRAIN FILTER
(SYSTEM B AND THE STANDBY SYSTEM
ARE SHOWN, SYSTEM A IS OPPOSITE)

(E)

165816 S00041224214_V1