

RUDDER PCU - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do a check on the rudder power control unit for leakage.
- B. The procedures in this section are given in the sequence below. The tasks identified with (◆) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
27-22-03-700-801-A	CHECK OF THE RUDDER POWER CONTROL UNIT FOR LEAKAGE	ALL

TASK 27-22-03-700-801-A

EFFECTIVITY: ALL

2. CHECK OF THE RUDDER POWER CONTROL UNIT FOR LEAKAGE

A. General

- (1) This task gives the procedures to do a check on the rudder Power Control Unit for leakage. Figure 501 gives the dynamic seal locations.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 29-10-00-860-801-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
325	325AL	Empennage
325	325GR	Empennage

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 088	Unit, Hydraulic Power Supply	To supply hydraulic power	
GSE 036	Platform, Hydraulic, Aircraft	To get access to the rudder	
GSE 044	Headset, ramp handling	For communication	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Gloves, Phosphate Ester-Base, Fluid Resistant	Protection for the hands	1 pair
Commercially available	Rubber Goggles, Phosphate Ester-Base, Fluid Resistant	Protection for the eyes	1 pair

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Rudder
1	Helps the other technician	Cockpit

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Do not do other tasks on the rudder system.
- (3) Make sure that there are no equipment or persons in the rudder travel area.
- (4) Obey all applicable safety precautions when you use Skydrol.
- (5) Open access panel 325AL and 325GR (AMM MPP 06-42-00/100).

J. Check of the Rudder Power Control Unit for Leakage ([Figure 501](#))

SUBTASK 720-002-A

WARNING: • THE HYDRAULIC SYSTEM CONTAINS PHOSPHATE-ESTER HYDRAULIC FLUID. THE FLUID CAN CAUSE IRRITATION IN YOUR SKIN OR INJURY TO YOUR EYES. USE THE APPLICABLE RUBBER GOGGLES AND GLOVES. IF THE FLUID TOUCHES YOU, FLUSH YOUR SKIN WITH WATER. IF IT GETS IN YOUR EYES, FLUSH THEM WITH WATER AND GET MEDICAL HELP.

- MAKE SURE THAT THERE ARE NO PERSONS OR EQUIPMENT IN THE RUDDER TRAVEL AREA.

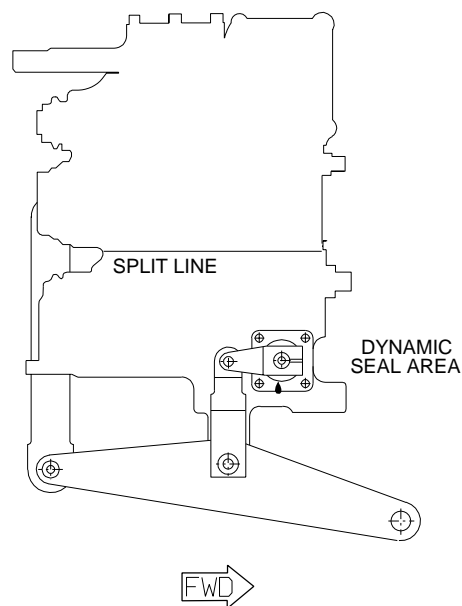
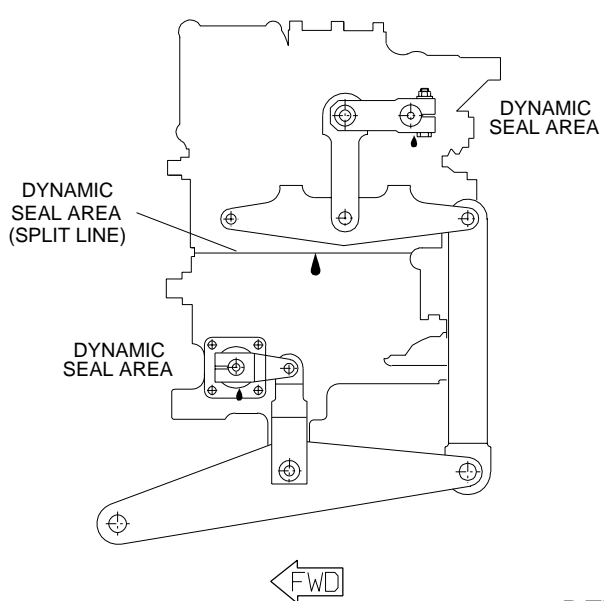
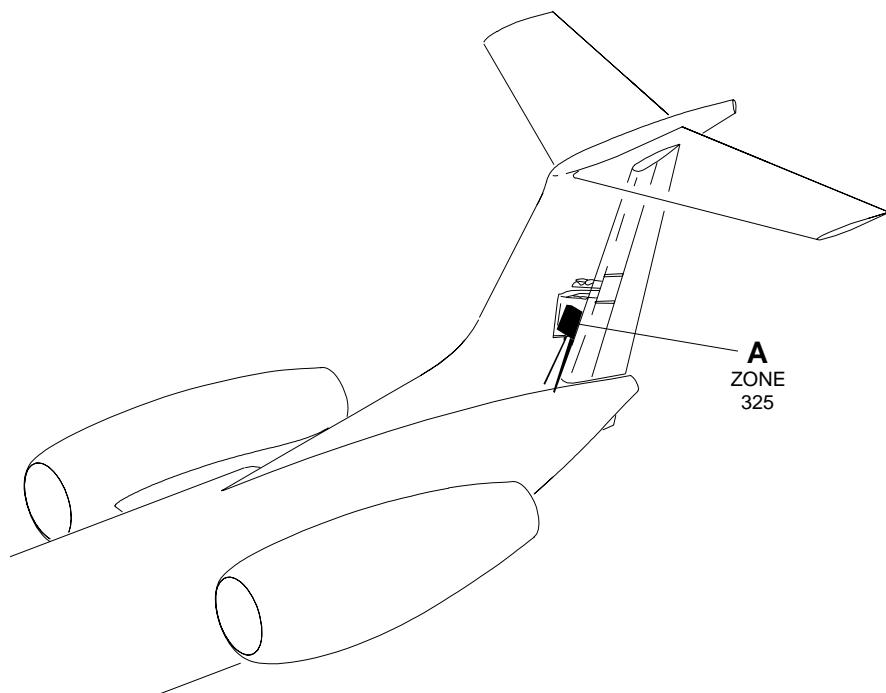
- (1) Pressurize the rudder hydraulic system ([AMM TASK 29-10-00-860-801-A/200](#)).
- (2) Do a check of the rudder PCU for leakage.
 - (a) With the pedals, control the rudder fully to the right and fully to the left, 25 times.
 - (b) The maximum leakage at each dynamic seal is two drops at each 25 full cycles ([Figure 501](#)).
- (3) If the leakage at each dynamic seal is more than the maximum permitted, replace the Power Control Unit.

K. Follow-on

SUBTASK 842-002-A

- (1) Release the pressure of the hydraulic system ([AMM TASK 29-10-00-860-801-A/200](#)).
- (2) Close access panel 325AL and access panel 325GR (AMM MPP 06-42-00/100).

EFFECTIVITY: ALL
 Dynamic Seals - Location
 Figure 501



DET. A

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