

RUDDER BLEED VALVE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the bleed valves.
- B. The bleed valves are installed in the rudder actuators in the vertical stabilizer.
- C. 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
27-22-07-000-801-A	BLEED VALVE - REMOVAL	ALL
27-22-07-400-801-A	BLEED VALVE - INSTALLATION	ALL

TASK 27-22-07-000-801-A

EFFECTIVITY: ALL

2. BLEED VALVE - REMOVAL

A. General

(1) This procedure gives the instructions to remove the bleed valve.

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	325CL	LH - Vertical stabilizer

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 036	Platform, hydraulic	To get access to the vertical stabilizer	

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	Vertical stabilizer

I. Preparation

SUBTASK 841-002-A

(1) Make sure that hydraulic systems 1 and 2 are not pressurized. If necessary, release the pressure from the hydraulic system ([AMM TASK 29-10-00-860-801-A/200](#)).

- (2) On the circuit breaker panel, open the ELEC PUMP 1, ELEC PUMP 2, RUDDER 1, and RUDDER 2 circuit breakers, and attach a DO-NOT-CLOSE tag to them.
- (3) Put the ladder in the work area.
- (4) Open access door 325CL (AMM MPP 06-42-00/100) to get access to the bleed valves.

J. Removal ([Figure 401](#))

SUBTASK 020-002-A

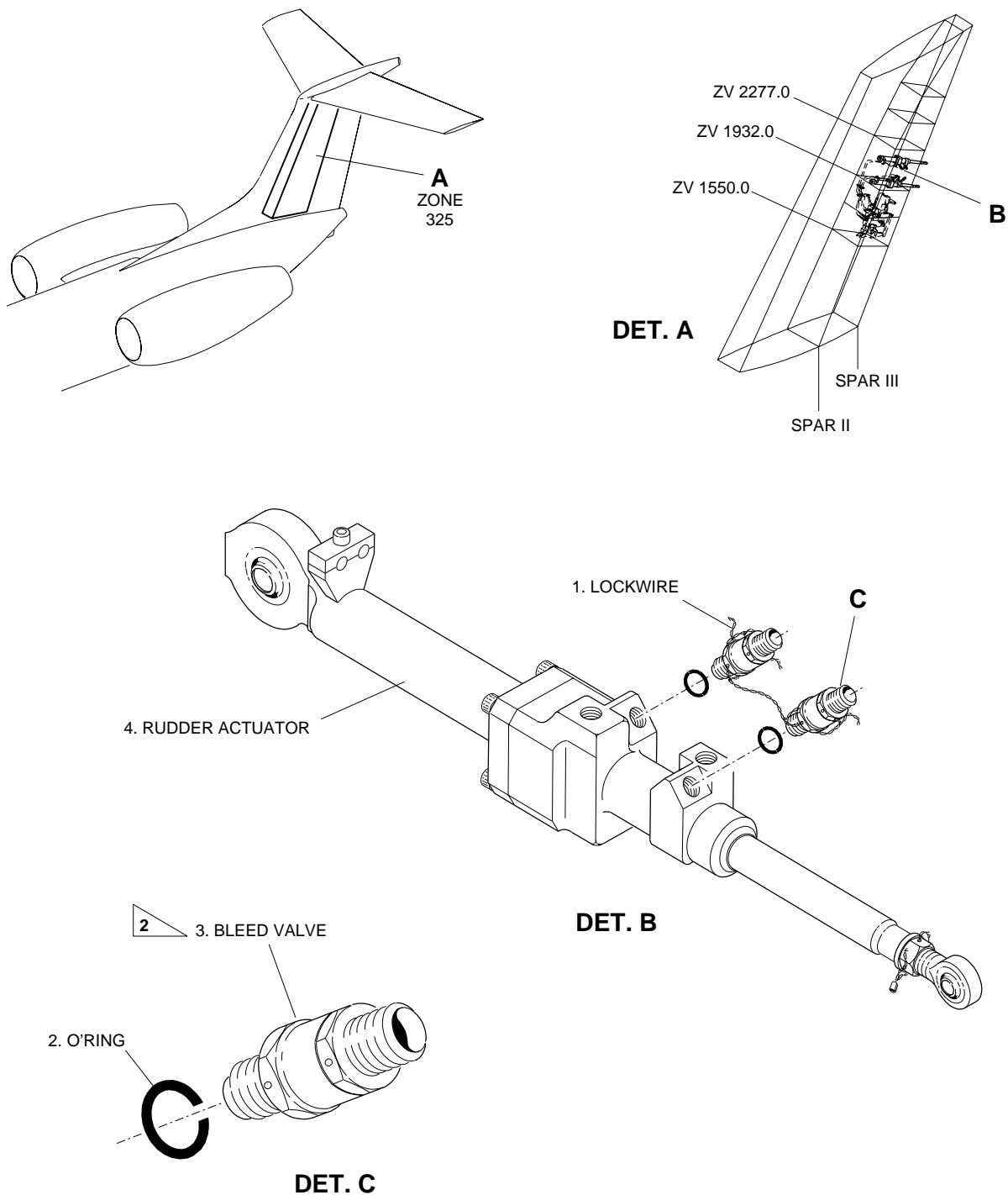
WARNING: THE HYDRAULIC SYSTEM CONTAINS PHOSPHATE-ESTER HYDRAULIC FLUID. THE FLUID CAN CAUSE IRRITATION IN YOUR SKIN OR INJURY TO YOUR EYES. USE THE APPLICABLE RUBBER GOGGLES AND GLOVES. IF THE FLUID TOUCHES YOU, FLUSH YOUR SKIN WITH WATER. IF IT GETS IN YOUR EYES, FLUSH THEM WITH WATER AND GET MEDICAL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

- (1) Cut the lockwire (1) from the bleed valve (2) at the rudder actuator (3).
- (2) Remove the bleed valve (2).
- (3) Remove and discard the O-ring from the bleed valve (2).
- (4) Install the cap/plug at the disconnected point of the rudder actuator (3).

EFFECTIVITY: ALL

Bleed Valve - Removal/Installation

Figure 401



1 TORQUE : 10.7-11.9 Nm (95-105 lbf.in)

145AMM270364.MCE A

TASK 27-22-07-400-801-A
EFFECTIVITY: ALL

3. BLEED VALVE - INSTALLATION

A. General

(1) This procedure gives the instructions to install the bleed valve.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 27-22-00-870-801-A/300	RUDDER ACTUATOR BLEEDING
IPC 27-22-00	RUDDER HYDRAULIC ACTUATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
325	325CL	LH - Vertical stabilizer

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 036	Platform, hydraulic	To get access to the vertical stabilizer	

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

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C32	Lockwire	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 27-22-00	2/LRU

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Vertical stabilizer

I. Installation (Figure 401)

SUBTASK 420-002-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.

- (1) Install the new O-ring at the bleed valve (2).
- (2) Remove the cap/plug from the disconnected point at the rudder actuator (3).
- (3) Install the bleed valve (2) at the rudder actuator (3).
- (4) Torque the bleed valve (2) as shown in figure 401 and install the lockwire (1).

J. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the ELEC PUMP 1, ELEC PUMP 2, RUDDER 1, and RUDDER 2 circuit breakers, and remove the DO-NOT-CLOSE tag from them.
- (2) Bleed the air from the rudder actuator lines ([AMM TASK 27-22-00-870-801-A/300](#)).
- (3) Make sure that there are no leaks in the bleed valve.
- (4) Close access door 325CL (AMM MPP 06-42-00/100).
- (5) Remove the ladder from the work area.