

YAW TRIM ACTUATOR - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the Rudder Yaw Trim.
- 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
27-24-00-000-801-A	RUDDER YAW TRIM - REMOVAL	ALL
27-24-00-400-801-A	RUDDER YAW TRIM - INSTALLATION	ALL

TASK 27-24-00-000-801-A

EFFECTIVITY: ALL

2. RUDDER YAW TRIM - REMOVAL

A. General

(1) This task gives the procedures to remove the Rudder Yaw Trim.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
325	325AL	Vertical stabilizer

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 036	Hydraulic Platform	To get access to the vertical stabilizer	
GSE 058	Kit, Rig Pins	To lock the Rudder PCU in the neutral position	

E. Auxiliary Items

Not Applicable

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 the aircraft is safe for maintenance.
- (2) Remove access door 325AL (AMM MPP 06-42-00/100).
- (3) On the Circuit Breaker Panel, open the YAW TRIM, RUDDER SYS 1 and RUDDER SYS 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.
- (4) Install the rig pins (3) to the bellcrank found below the Rudder PCU.

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

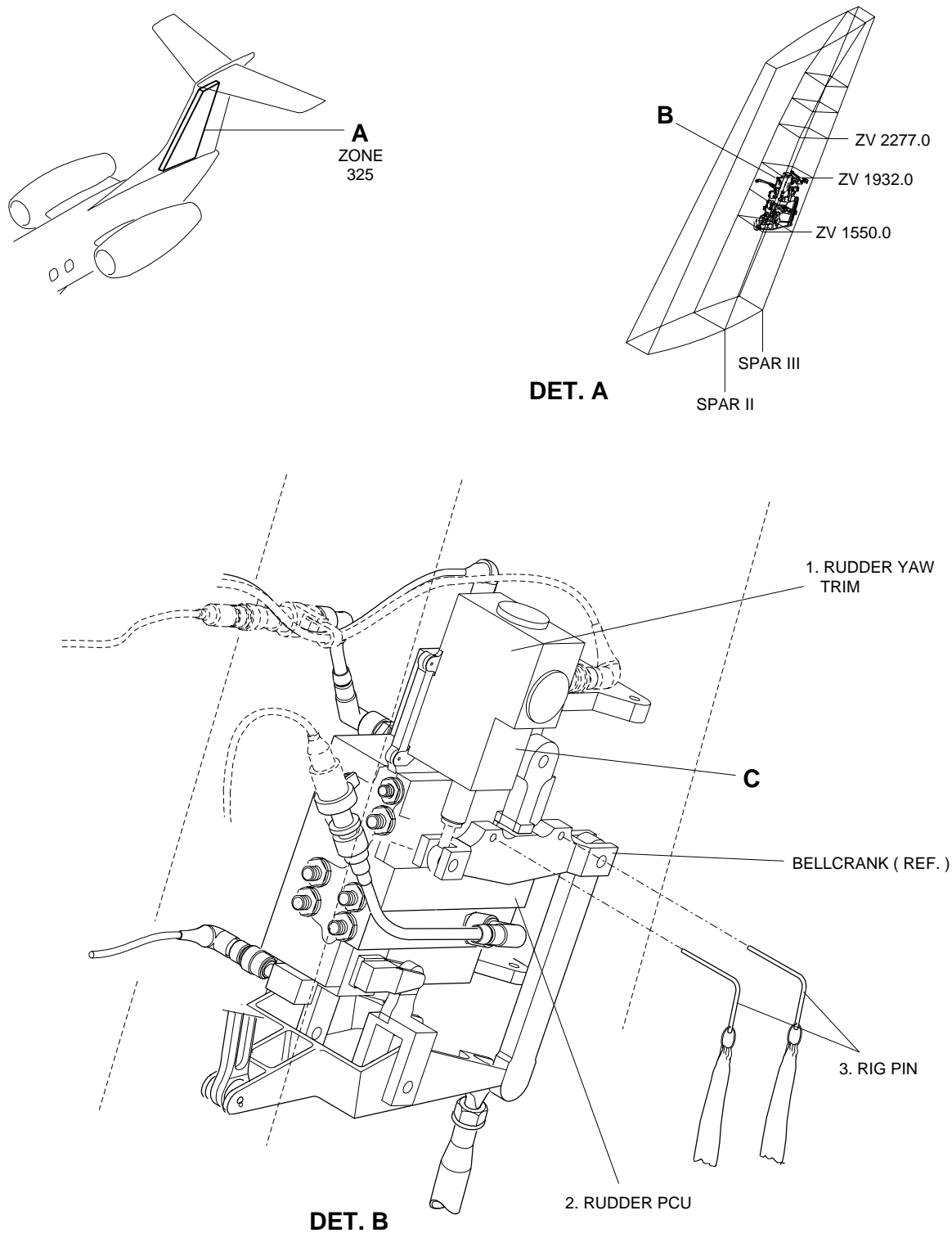
SUBTASK 020-002-A

- (1) Remove the electrical connector (4) from the Yaw Trim Actuator (1).
- (2) Remove and discard the cotter pin (10).
- (3) Remove the bolt (11), washers (5), and nut (9) to release the Yaw Trim Actuator (1) from the Trim Input Lever (9).
- (4) Remove the bolt (6), washers (4), and nut (13) to release the Yaw Trim Actuator (1) from the Rudder PCU (12).

EFFECTIVITY: ALL

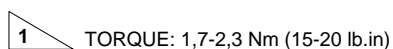
Yaw Trim Actuator - Removal/Installation

Figure 401 - Sheet 1



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Figure 401 - Sheet 2



000-801-A/400
Page 5 of 7
Rev 48 - Oct 30/15

TASK 27-24-00-400-801-A

EFFECTIVITY: ALL

3. RUDDER YAW TRIM - INSTALLATION

A. General

(1) This task gives the procedures to install the Rudder Yaw Trim.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-42-00/100	-
AMM TASK 27-24-00-700-801-A/500	YAW TRIM - OPERATIONAL CHECK
IPC 27-24-00	YAW TRIM ACTUATOR

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
325	325AL	Vertical stabilizer

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 036	Hydraulic Platform	To get access to the vertical stabilizer	
GSE 058	Kit, Rig Pins	To lock the Rudder PCU in the neutral position	
GSE 076	Yaw and Roll Trim Actuator Rigging	To give the neutral position of the Yaw Trim Actuator	
Commercially available	Torque Wrench (see Figure 401)		

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Cotter pin	IPC 27-24-00	1

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Vertical stabilizer

I. Installation (Figure 401)

SUBTASK 420-002-A

NOTE: Make sure that the Rudder Yaw Trim Actuator is in the neutral position. Use the Yaw-Trim-Actuator Rigging device (GSE 076) to do an inspection and adjust the neutral position of the Rudder Yaw Trim Actuator before you install it.

- (1) Install the Yaw Trim Actuator (1) to the Rudder PCU (12).
 - (a) Use bolt (6), washers (5), and nut (13) to install it in the Rudder PCU (12).
 - (b) Use bolt (11), washers (5), and nut (9) to install it to the Trim Input Lever (8) of the Rudder PCU.
- (2) Torque the nuts and install the cotter pin (10).
- (3) Connect the electrical connector (4).

J. Follow-on (Figure 401)

SUBTASK 842-002-A

- (1) Remove the rig pins (3) from the bellcrank found below the Rudder PCU.
- (2) Install access door 325AL (AMM MPP 06-42-00/100).
- (3) On the Circuit Breaker Panel, close the YAW TRIM, RUDDER SYS 1 and RUDDER SYS 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.
- (4) Do the operational check of the YAW TRIM actuator ([AMM TASK 27-24-00-700-801-A/500](#)).

