



## RRJ-95 AIRCRAFT MAINTENANCE MANUAL

### ATTACH FITTINGS — INSPECTION/CHECK

#### TASK 55-46-00-250-801

#### Special Detailed Inspection of the Rudder Hinge and Actuator Attach Fittings

**WARNING:** MAKE SURE THAT CONTROL SURFACES TRAVEL AREA IS FREE. UNCONTROLLED TRAVEL OF THESE SURFACES MAY RESULT IN MAINTENANCE PERSONNEL INJURY AND DAMAGE OF THE EQUIPMENT.

**WARNING:** BEFORE WORK STARTING INSTALL THE SAFETY BARRIER AND INSTALL THE WARNING NOTICES NEAR OR ON:

- CONTROL SURFACES,
- LANDING GEAR OR LANDING GEAR DOORS,
- MOVABLE ELEMENTS.

**WARNING:** USE SAFETY EQUIPMENT WHEN WORKING AT HEIGHTS. FALLING FROM HEIGHT MAY RESULT IN MAINTENANCE PERSONNEL INJURY.

#### 1. General

Self Explanatory.

#### 2. Logistics

##### A. References

Task	Title
<b>24-00-00-860-801</b>	Opening and Closing of the Circuit Breakers
<b>27-00-00-920-801</b>	Flight Control System Maintenance and Safety Precautions
<b>55-00-00-920-801</b>	Stabilizers Maintenance and Safety Precautions
<b>NDT 55-46-09-001</b>	Inspection of the Rudder Hinge and Actuator Attach Fittings

##### B. Tools and Ground Support Equipment

Designation	Description	Quantity
No specific	Safety barrier	
No specific	Warning notice	2
No specific	Flash-light	1
No specific	Access platform 5–9 m (16.4–29.5 ft)	1

##### C. Consumable Products

Designation	Description	Quantity
TY 8189-018-01877509-01 (Cyrillic)	Cleaning rags	1
HEΦPAC-C2-80/120 TY 38.401-67-108-92 (Cyrillic)	Solvent	

##### D. Access

Zone (access door)	Purpose
324AL, 324BL, 324CL, 324DR	Access for Inspection of the Rudder Hinge and Actuator Attach Fittings

EFFECTIVITY: ALL



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Zone (access door)	Purpose
325A, 325B, 325C, 325D, 325E, 325F	Covers of the Elevator Panel Frontals

### 3. Job Set-Up

#### A. Safety Precautions

- (1) Obey the stabilizers maintenance and safety precautions (**Ref. Task 55-00-00-920-801**).
- (2) Obey the flight control system maintenance and safety precautions (**Ref. Task 27-00-00-920-801**).
- (3) Install the warning notice, which prohibits operation with the flight control system, on the trim panel.
- (4) Install the warning notice, which prohibits operation with the flight control system, on pedal units.
- (5) Install the safety barriers around the work area.

#### B. Aircraft Maintenance Configuration

- (1) Open the circuit breakers specified below (**Ref. Task 24-00-00-860-801**):

Distribution box	C/B designation		Remarks
	on distribution box	on wiring diagram	
DB 28V N1	ACE1 E RHOB	F1-11	
DB 28V N2	ACE1 E RHOB	F2-11	
DB 28V N1	ACE1 E RHIB	F1-5	
DB 28V N2	ACE1 E RHIB	F2-5	
DB 28V N1	ACE1 R UP	F1-12	
DB 28V N2	ACE1 R UP	F2-12	
DB 28V N1	ACE2 R CE	F1-9	
DB 28V N2	ACE2 R CE	F2-9	
DB 28V N1	ACE2 R LO	F1-15	
DB 28V N2	ACE2 R LO	F2-15	
DB 28V N1	ACE2 E LHIB	F1-14	
DB 28V N2	ACE2 E LHIB	F2-14	
DB 28V N1	ACE2 E LHOB	F1-8	
DB 28V N2	ACE2 E LHOB	F2-8	
DB 115V N1	SSM MACE1	F5-22	
DB 115V N2	SSM MACE2	F6-23	

- (2) Install the warning notice, which prohibits closing of the circuit breakers specified above.

#### C. Access

- (1) Install the access platform in the work area.
- (2) Open the access doors 324AL, 324BL, 324CL, 324DL.
- (3) Remove the covers 325A, 325B, 325C, 325D, 325E, 325F.

### 4. Inspection Procedure

#### A. Detailed Inspection of the Rudder Hinge and Actuator Attach Fittings

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**WARNING: USE SOLUTIONS, CLEANING AGENTS, SEALANTS AND OTHER SPECIAL MATERIALS ONLY AT GOOD AIR VENTILATION. OBEY INSTRUCTIONS OF THE MANUFACTURER DURING THE USE OF THESE MATERIALS. AVOID SWALLOWING OF THESE MATERIALS. DO NOT SMOKE. DO NOT INHALE GAS. THESE MATERIALS ARE TOXIC, FLAMMABLE AND IRRITATE THE SKIN. IN CASE OF SKIN OR EYES IRRITATION, CONSULT A DOCTOR.**

**WARNING: OBEY INSTRUCTIONS OF THE MANUFACTURER DURING THE USE OF THESE MATERIALS. PUT ON PROTECTIVE CLOTH, RUBBER GLOVES AND MASK. PUT ON THE EYES PROTECTIVE MEANS OR GOGGLES.**

(1) Remove contamination using cleaning rags wetted in HEΦPAC-C2-80/120 (Cyrillic) solvent.

B. Special Detailed Inspection of the Rudder Hinge and Actuator Attach Fittings

(1) Do the special detailed inspection of the rudder hinge and actuator attach fittings (*Ref. NDT 55-46-09-001*) and make sure that there are no mechanical damage.

5. Job Close-Up

A. Return of the Aircraft to the Initial Configuration

(1) Remove the warning notice and close the circuit breakers (*Ref. Task 24-00-00-860-801*):

- ACE1 E RHOB,
- ACE1 E RHIB,
- ACE1 R UP,
- ACE2 R CE,
- ACE2 R LO,
- ACE2 E LHIB,
- ACE2 E LHOB,
- SSM MACE1,
- SSM MACE2.

(2) Remove the warning notice from the trim panel.

(3) Remove the warning notice from pedal units.

B. Close Access

(1) Clean the inspection area. Remove the tools. Make sure that there are no foreign objects.

(2) Install covers 325A, 325B, 325C, 325D, 325E, 325F.

(3) Close the access doors 324AL, 324BL, 324CL, 324DL.

(4) Remove the access platform.

(5) Remove the safety barrier.

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