



RUSSIAN FEDERATION  
MINISTRY OF TRANSPORT OF RUSSIAN FEDERATION  
FEDERAL AIR TRANSPORT AGENCY

## AIRWORTHINESS DIRECTIVE

28 February, 2020

No. 2020-FATA-01020A-03

Applicability – RRJ-95 aircraft

State of Design – Russian Federation

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Corrective actions described herein are mandatory. No operator may operate an aircraft to which this AD applies, except in accordance with the requirements hereof.

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In the reference of «Emergency exit door/emergency escape slide» (further – System) system incorrect functionality in progress of scheduled emergency escape slide extension on A/C type RRJ-95, necessity of additional System check, identification of possible incorrect functionality manifestation and further maintenance documentation correction, in the aim of mentioned A/C type airworthiness support

### **WE PROPOSE:**

1. At each maintenance DY-Check on the A/C type RRJ-95 with Door arms p/n A415406-001 Rev.E, A415406-003 Rev.E, A415406-005 Rev.E and A415406-006 Rev.E to perform Operational Test of the Damper of the Emergency Power Assist System of the Forward (Aft) Entry Door iaw AMM Task № 52-11-25-710-801 and Operational Test of the Damper of the Emergency Power Assist System of the Forward (Aft) Service Door iaw AMM Task № 52-12-25-710-801.

**NOTICE:** Performance of the activities specified by paragraph 1 is to be video-recorded.

2. At the nearest maintenance WY-Check/8 days on the A/C type RRJ-95 to perform one time check the correct installation of the emergency escape slide on the front (rear) entry and service doors, in accordance with the methodology of checking the correct installation of the emergency escape slide, presented in the annex to the Technical Decision № RRJ0000-OR-470-4159 (In Attachment).

3. At the nearest maintenance WY-Check/8 days on the forward (aft) entry and service doors of the A/C type RRJ-95 to perform one time check Adjustment of the dimension between the striker crank assembly and the EPAS trigger tongue iaw AMM Task № 52-11-01-820-801 « Adjustment of the Entry Door » and № 52-12-01-820-801 «Adjustment of the Service Door».

4. The results of implementation of the provisions of paragraphs 1, 2, 3 of this Airworthiness Directive (hereinafter – AD) shall be sent to the Operational Situation Center of Regional Aircraft – Branch of the Irkut Corporation – [customercare@scac.ru](mailto:customercare@scac.ru).

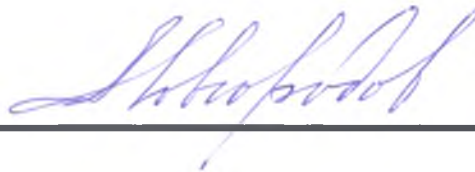
5. In case of incompliances reveal during performance of activities prescribed by paragraph 1 of this AD – to follow the recommendations of aircraft manufacturer.

6. Activities required by paragraph 1 of this AD are to be performed until the issuance of the AD overriding this AD.

Appendix: Technical Decision No. RRJ0000-OR-470-4159  
on 12 pages in 1 copy.

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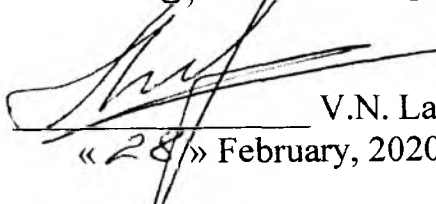
**Deputy Director  
Federal Air Transport Agency**



**A. Novgorodov**

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**«APPROVED BY»**  
SSJ Program Chief Designer

  
V.N. Lavrov  
«28» February, 2020

### **TECHNICAL DECISION RRJ0000-OR-470-4159**

on RRJ-95 continued airworthiness  
in connection with additional checks of the system «Emergency exit door/emergency  
escape slide»

for the purpose of additional check of the system «Emergency exit door/emergency  
escape slide», as well as for definition of the nature of the potential incompliance, if  
revealed, along with further amendment of the technical publications, the following  
decision has been taken

#### **DECISION:**

1. At each maintenance DY-Check on the A/C type RRJ-95 with Door arms p/n A415406-001 Rev.E, A415406-003 Rev.E, A415406-005 Rev.E and A415406-006 Rev.E to perform Operational Test of the Damper of the Emergency Power Assist System of the Forward (Aft) Entry Door iaw AMM Task № 52-11-25-710-801 and Operational Test of the Damper of the Emergency Power Assist System of the Forward (Aft) Service Door iaw AMM Task № 52-12-25-710-801.
2.  
**NOTE 1:** Performance of the activities specified by paragraph 1 is to be video-recorded.  
  
**NOTE 2:** Activities specified by paragraph 1 are to be performed until the next notification from the Aircraft Manufacturer.
3. At the nearest maintenance WY-Check/8 days on the A/C type RRJ-95 to perform one time check the correct installation of the emergency escape slide on the front (rear) entry and service doors, in accordance with the methodology of checking the correct installation of the emergency escape slide, presented in the annex to the Technical Decision № RRJ0000-OR-470-4159 (In Attachment).
4. At the nearest maintenance WY-Check/8 days on the forward (aft) entry and service doors of the A/C type RRJ-95 to perform one time check Adjustment of the dimension between the striker crank assembly and the EPAS trigger tongue iaw AMM Task № 52-11-01-820-801 « Adjustment of the Entry Door » and № 52-12-01-820-801 «Adjustment of the Service Door».

5. The results of implementation of the provisions of paragraphs 1, 2, 3 shall be sent to the Operational Situation Center [customercare@scac.ru](mailto:customercare@scac.ru).
6. In case of incompliances reveal during performance of the activities prescribed by paragraph 1 – to follow the recommendations of the Aircraft Manufacturer.

APPENDICES:

1. AMM task No. 52-11-25-710-801 «Operational Test of the Damper of the Emergency Power Assist System of the Forward (Aft) Entry Door» on 4 pages in 1 copy;
2. AMM task No. 52-12-25-710-801 « Operational Test of the Damper of the Emergency Power Assist System of the Forward (Aft) Service Door » on 4 pages in 1 copy;
3. Methodology of checking the correct installation of the emergency escape slide on 2 pages in 1 copy.

**RRJ-95 AIRCRAFT MAINTENANCE MANUAL**

**EMERGENCY POWER ASSIST SYSTEM — ADJUSTMENT/TEST**

**TASK 52-11-25-710-801**

**Operational Test of the Damper of the Emergency Power Assist System of the Forward (Aft) Entry Door**

1. Reason for Job  
Self Explanatory

2. Logistics

A. References

| <u>Task</u>             | <u>Title</u>   |
|-------------------------|--|
| <b>52-00-00-920-801</b> | Entry and Service Doors Maintenance and Safety Precautions |
| <b>52-10-00-010-801</b> | Opening of the Entry (Service) Door                        |
| <b>52-10-00-410-801</b> | Closing of the Entry (Service) Door                        |

B. Access

831, 832

3. Job Set-Up

**WARNING: DO NOT OPEN THE DOOR IF THE WIND SPEED IS MORE THAN 20 m/s (39 kt).**

A. Safety Precautions

- (1) Obey the forward (aft) entry door maintenance and safety precautions (*Ref. Task 52-00-00-920-801*).

B. Access

- (1) Close the forward entry door from the inside (*Ref. Task 52-10-00-410-801*).

4. Procedure

A. Operational Test of the Damper of the Emergency Power Assist System of the Forward (Aft) Entry Door

**NOTE:** When you open the door, the hydraulic fluid flow sound inside the damper of the EPAS is usual. Other unwanted sounds (dry friction, crunching, clanking, squeaking, cracking) are not permitted.

- (1) Open the forward (aft) entry door from the inside (*Ref. Task 52-10-00-010-801, Steps 4A(1)–4A(5)*).
- (2) Move the forward (aft) entry door forward suddenly for a maximum of 1 s to release it from the fuselage. Before the support arm (*Ref. Fig. 501*) is parallel to the fuselage, make sure that the door speed decreases and the force for its movement suddenly increases.
- (3) Pull the forward (aft) entry door at the internal handle and bring it closer to the door frame.
- (4) Do the Steps (2) and (3) again five times.

EFFECTIVITY: ALL

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### 5. Job Close-Up

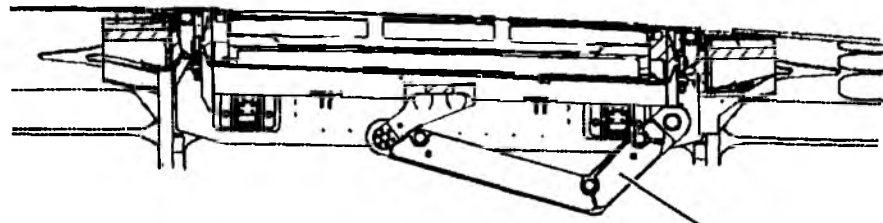
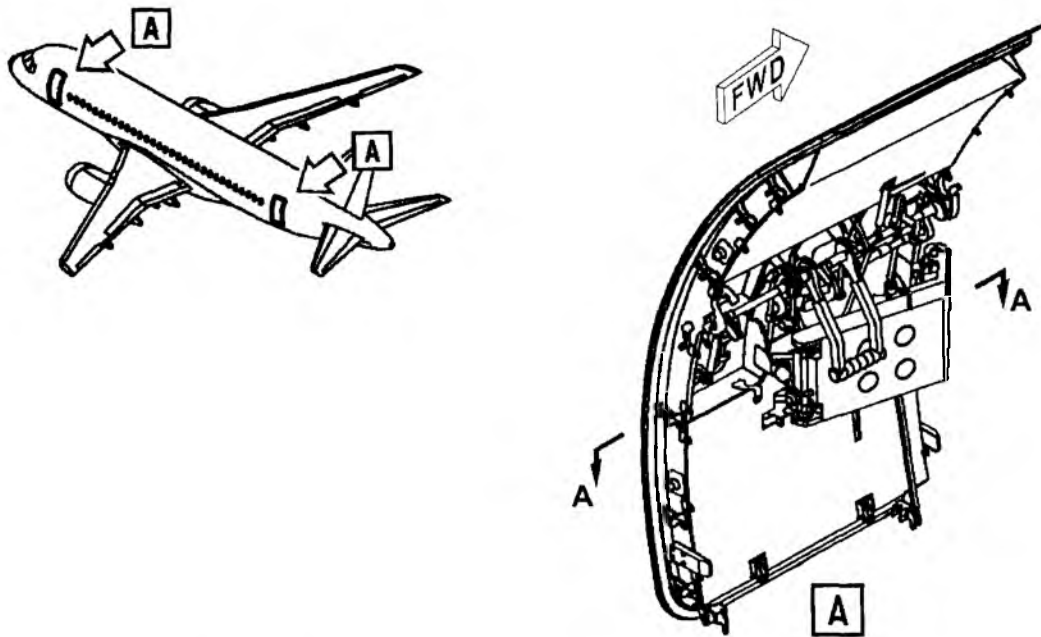
#### A. Close Access

- (1) Close the aft entry door if it is open (*Ref. Task 52-10-00-410-801*).
- (2) Open the forward entry door (*Ref. Task 52-10-00-010-801*).
- (3) Clean the work area, remove the tools and accessories, make sure that there are no unwanted objects.

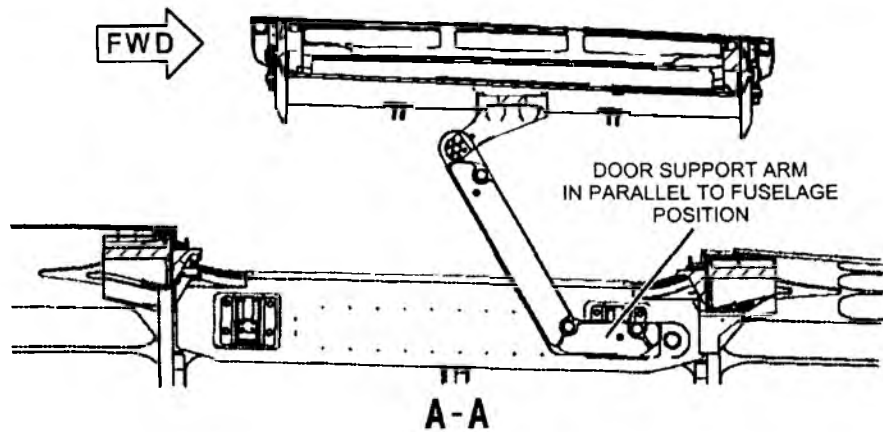
EFFECTIVITY: ALL

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DOOR SUPPORT ARM  
IN CLOSED POSITION



DOOR SUPPORT ARM  
IN PARALLEL TO FUSELAGE  
POSITION

Operational Test of the Damper of the Emergency Power Assist System of the Forward (Aft) Entry Door  
Figure 501

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**EMERGENCY POWER ASSIST SYSTEM — ADJUSTMENT/TEST**

**TASK 52-12-25-710-801**

**Operational Test of the Damper of the Emergency Power Assist System of the Forward (Aft) Service Door**

1. Reason for Job

Self Explanatory

2. Logistics

A. References

| <u>Task</u>             | <u>Title</u>   |
|-------------------------|--|
| <b>52-00-00-920-801</b> | Entry and Service Doors Maintenance and Safety Precautions |
| <b>52-10-00-010-801</b> | Opening of the Entry (Service) Door                        |
| <b>52-10-00-410-801</b> | Closing of the Entry (Service) Door                        |

B. Access

841, 842

3. Job Set-Up

**WARNING: DO NOT OPEN THE DOOR IF THE WIND SPEED IS MORE THAN 20 m/s (39 kt).**

A. Safety Precautions

- (1) Obey the forward (aft) service door maintenance and safety precautions (**Ref. Task 52-00-00-920-801**).

B. Access

- (1) Close the forward service door from the inside (**Ref. Task 52-10-00-410-801**).

4. Procedure

A. Operational Test of the Damper of the Emergency Power Assist System of the Forward (Aft) Service Door

**NOTE:** When you open the door, the hydraulic fluid flow sound inside the damper of the EPAS is usual. Other unwanted sounds (*dry friction, crunching, clanking, squeaking, cracking*) are not permitted.

- (1) Open the forward (aft) service door from the inside (**Ref. Task 52-10-00-010-801, Steps 4A(1)–4A(5)**).
- (2) Move the forward (aft) service door forward suddenly for a maximum of 1 s to release it from the fuselage. Before the support arm (**Ref. Fig. 501**) is parallel to the fuselage, make sure that the door speed decreases and the force for its movement suddenly increases.
- (3) Pull the forward (aft) service door at the internal handle and bring it closer to the door frame.
- (4) Do the Steps (2) and (3) again five times.

EFFECTIVITY: ALL

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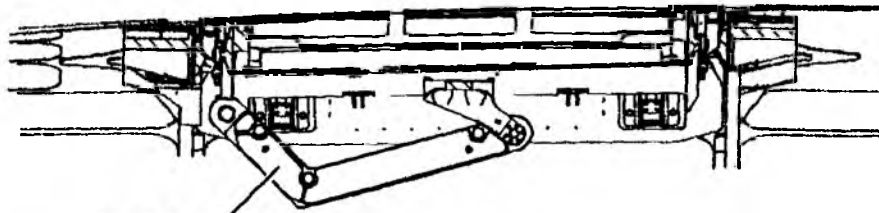
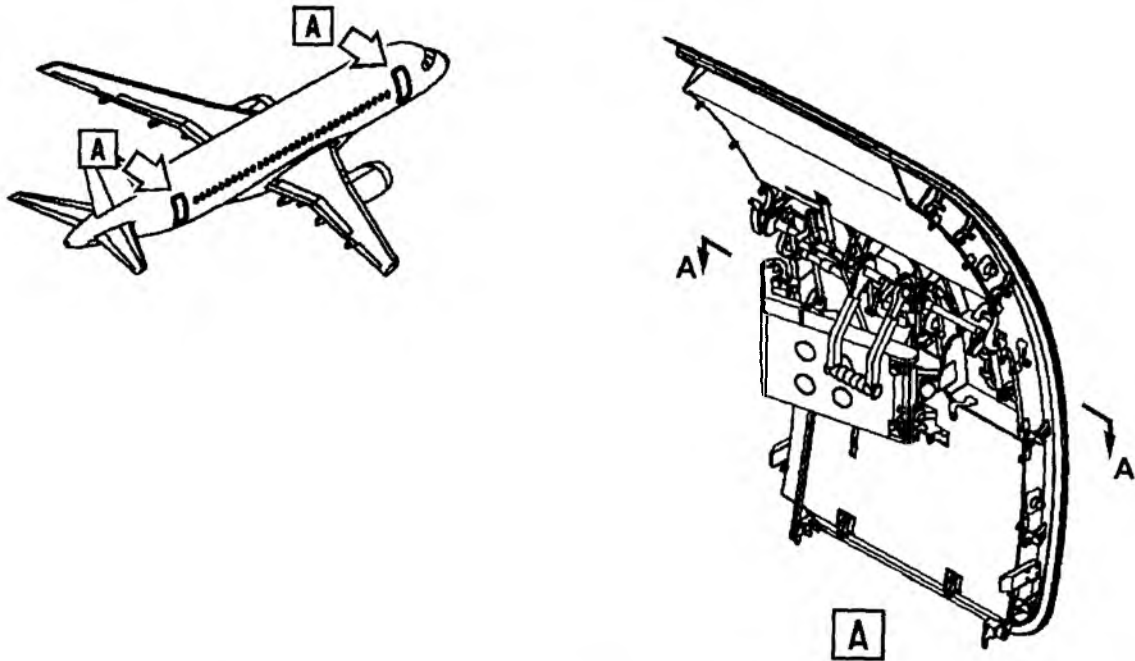
### 5. Job Close-Up

#### A. Close Access

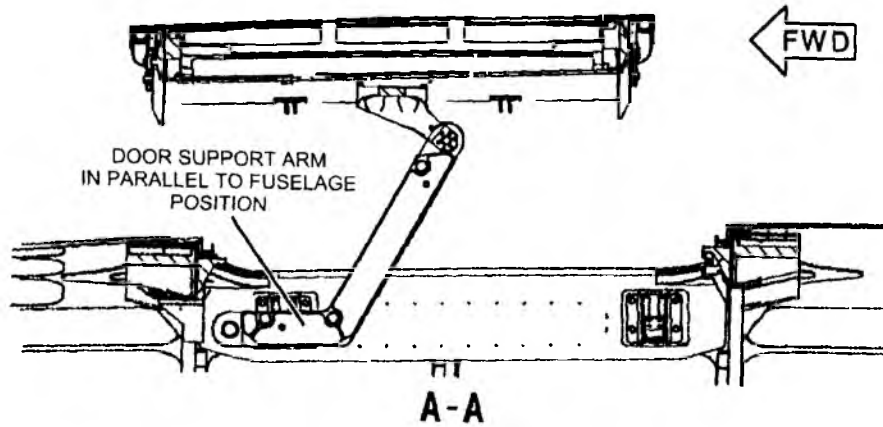
- (1) Close the aft service door if it is open (*Ref. Task 52-10-00-410-801*).
- (2) Open the forward service door (*Ref. Task 52-10-00-010-801*).
- (3) Clean the work area, remove the tools and accessories, make sure that there are no unwanted objects.

EFFECTIVITY: ALL

RRJ-95 AIRCRAFT MAINTENANCE MANUAL



DOOR SUPPORT ARM  
IN CLOSED POSITION



DOOR SUPPORT ARM  
IN PARALLEL TO FUSELAGE  
POSITION

Operational Test of the Damper of the Emergency Power Assist System of the Forward (Aft) Service Door  
Figure 501

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EFFECTIVITY: ALL



## RRJ-95 AIRCRAFT MAINTENANCE MANUAL

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## Methodology of checking the correct installation of the emergency escape slide

1. Perform Items 3, 4A (1)(2)(3)(4) of the AMM Task 25-61-05-900-801;
2. Open the door to the raised and partially extended position to ensure access to the slide bar and the possibility of inspection;

**Notice:** Do not pull the container activation cable. The emergency slide can open.

3. Perform Item 4A(6) of the AMM Task 25-61-05-900-801;
4. Perform Item 4A(11) of the AMM Task 25-61-05-900-801;
5. Make sure that on the details and nodes of the mechanism of activation of the container of the emergency slide (see. Figure 1) no deformation of the shaft, cracks, dents, burrs, traces of corrosion and scratches;

**Notice:** Do not crank the shaft of the emergency slide container activation mechanism to avoid inadvertently opening the slide container.

6. Make sure that the inside of the apron of the slide is in the right position, as shown in Figure 1. In the case of the wrong position of the apron (Figure 2) lay it according to Figure 1:

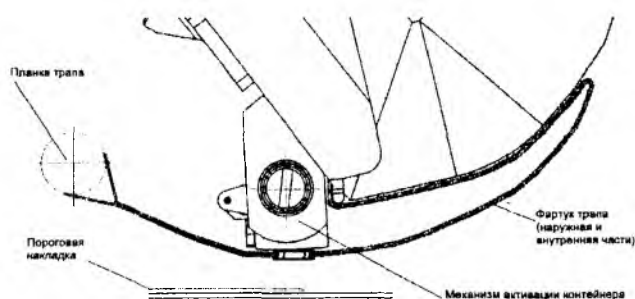


Figure 1 – The correct position of the apron of the slide

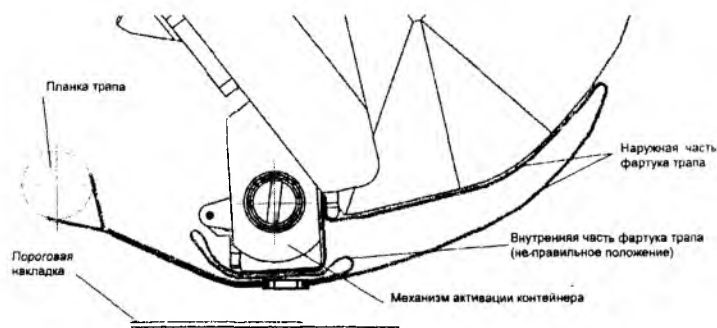


Figure 2 – The incorrect position of the apron of the slide

7. Perform Item 4B (11) of the AMM Task 25-61-05-900-801;

**Notice:** Do not pull the container activation cable. The emergency slide can open.

**Notice:** If you do not connect the cable activation container to the rope opening the packaging system (trap) will be unworkable, the door at the emergency opening will not open and the emergency slide can open up inside the cabin.

8. Control the position of the quick-disconnect connector. Make sure the connector of the quick-disconnect is placed closer to the board away from the opening mechanism, as shown in Figure 3:

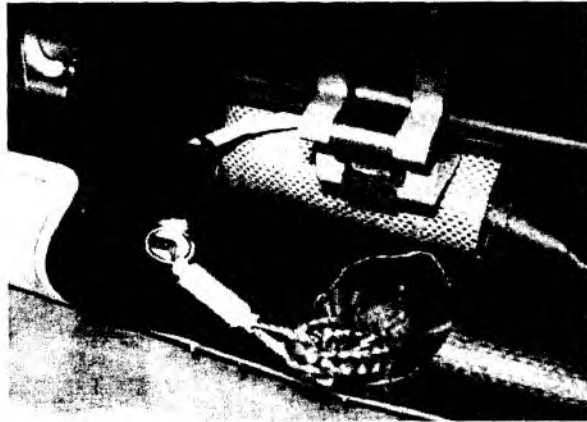


Figure 3 – The correct position of connector

9. Perform Item 4B(12) – (24) of the AMM Task 25-61-05-900-801;
10. Perform Item 5 of the AMM Task 25-61-05-900-801.