



## AIRCRAFT MAINTENANCE MANUAL

### LANDING GEAR FREE-FALL ACTUATING DEVICE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to remove and install the Landing-Gear Free-Fall Actuating Device.
- 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
32-34-02-000-801-A	LANDING-GEAR FREE-FALL ACTUATING ALL DEVICE - REMOVAL	
32-34-02-400-801-A	LANDING-GEAR FREE-FALL ACTUATING ALL DEVICE - INSTALLATION	



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TASK 32-34-02-000-801-A

EFFECTIVITY: ALL

2. LANDING-GEAR FREE-FALL ACTUATING DEVICE - REMOVAL

A. General

- (1) This task gives the procedures to remove the landing-gear free-fall actuating device.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-03/100	- COMPONENT LOCATION
AMM TASK 25-11-01-000-801-A/400	PILOT SEAT - REMOVAL
AMM TASK 32-34-03-000-801-A/400	LANDING-GEAR FREE-FALL CONTROL CABLES - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
222	222EF	Cockpit, RH
222	222FF	Cockpit, RH
123	123BL	Cockpit Underfloor Access Hatch

D. Tools and Equipment

Not Applicable

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	In the cockpit and in its underfloor area

I. Preparation

SUBTASK 841-002-A

- (1) Remove the copilot seat ([AMM TASK 25-11-01-000-801-A/400](#)).
- (2) Remove access panel 222FF ([AMM MPP 06-41-03/100](#)).
- (3) Open access door 222EF ([AMM MPP 06-41-03/100](#)).



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- (4) Remove access door 123BL (AMM MPP 06-41-01/100).
- (5) Remove the cables ( [AMM TASK 32-34-03-000-801-A/400](#)).

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

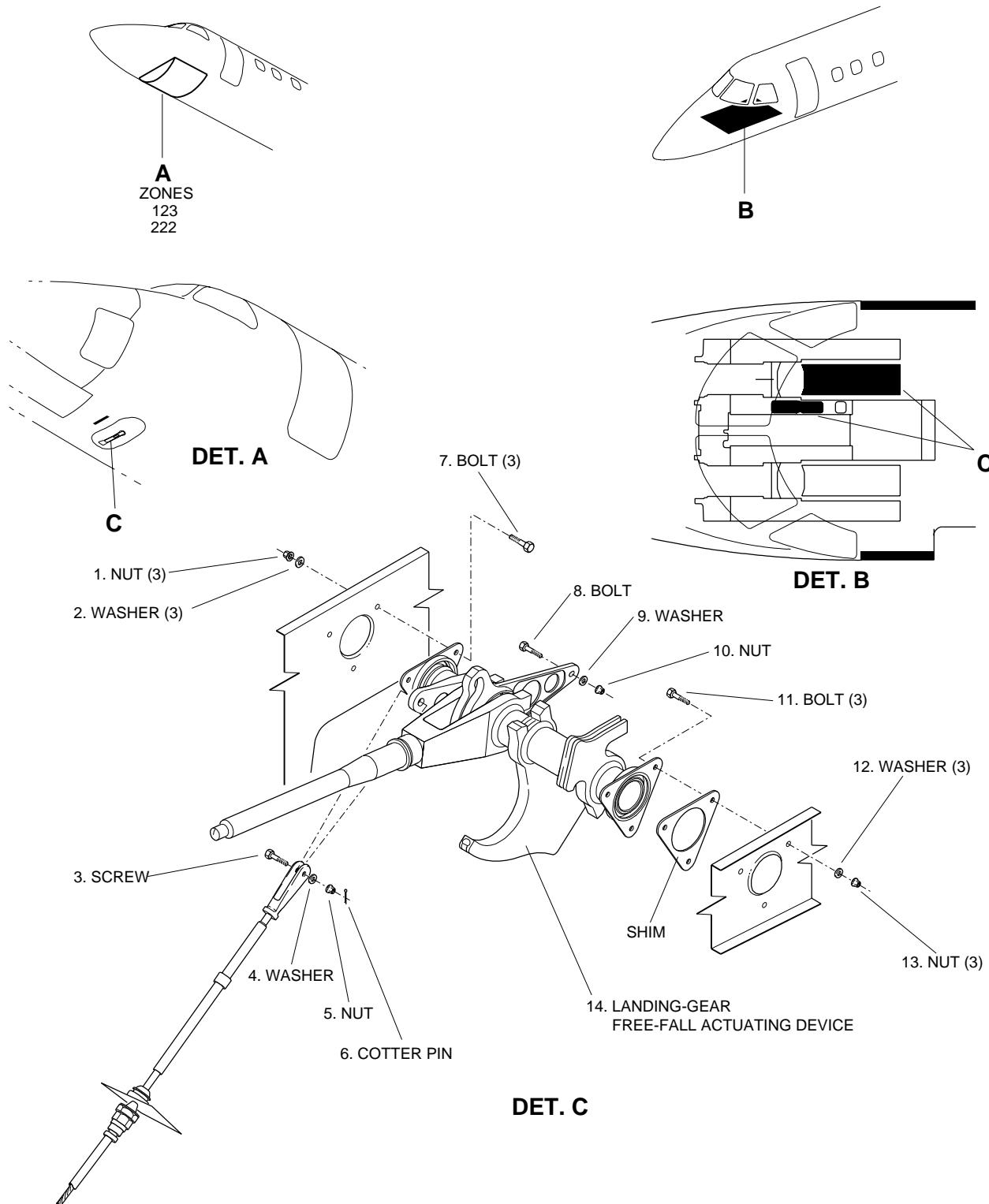
SUBTASK 020-002-A

- (1) In the cockpit, remove:
  - (a) The nuts (1), washers (2), and bolts (7) through access panel 222FF.
  - (b) The cotter pin (6), nut (5), washer (4), and screw (3) through access door 222EF.
  - (c) The nut (10), washer (9), and bolt (8) through access door 123BL.
- (2) In the cockpit underfloor area, remove:
  - (a) The nuts (13), washers (12), and bolts (11).
  - (b) The landing-gear free-fall actuating device (14).

**EFFECTIVITY: ALL**

Landing-Gear Free-Fall Actuating Device - Removal/Installation

Figure 401



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TASK 32-34-02-400-801-A

EFFECTIVITY: ALL

3. LANDING-GEAR FREE-FALL ACTUATING DEVICE - INSTALLATION

## A. General

(1) This task gives the procedures to install the landing-gear free-fall actuating device.

## B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-03/100	- COMPONENT LOCATION
AMM TASK 25-11-01-400-801-A/400	PILOT SEAT - INSTALLATION
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 32-34-00-700-801-A/500	LG EMERGENCY EXTENSION - OPERATIONAL AND FUNCTIONAL CHECKS
AMM TASK 32-34-03-400-801-A/400	LANDING-GEAR FREE-FALL CONTROL CABLES - INSTALLATION

## C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
222	222EF	Cockpit, RH
222	222FF	Cockpit, RH
123	123BL	Cockpit underfloor access hatch

## D. Tools and Equipment

Not Applicable

## 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	In the cockpit and in its underfloor area

## I. Installation (Figure 401)

## SUBTASK 420-002-A

(1) In the cockpit underfloor area, install:

(a) The landing-gear free-fall actuating device (14).



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- (b) The bolts (11), washers (12), and nuts (13).
- (2) In the cockpit, install:
  - (a) The bolts (7), washers (2), and nuts (1) through access panel 222FF.
  - (b) The bolt (8), washer (9), and nut (10) through access door 123BL.
  - (c) The screw (3), washer (4), nut (5), and cotter pin (6) through access door 222EF.

J. Follow-on

SUBTASK 842-002-A

- (1) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

NOTE: The inspection of fuel quantity indication harness is part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (2) Close access door 222EF ([AMM MPP 06-41-03/100](#)).
- (3) Install access panel 222FF ([AMM MPP 06-41-03/100](#)).
- (4) Install the seat of the copilot seat ([AMM TASK 25-11-01-400-801-A/400](#)).
- (5) Install the cables ([AMM TASK 32-34-03-400-801-A/400](#)).
- (6) Install access door 123BL (AMM MPP 06-41-01/100).
- (7) Do the functional check of the free-fall of the landing gear system ([AMM TASK 32-34-00-700-801-A/500](#)).