

CHAPTER

53

Fuselage

CHAPTER 53
FUSELAGE

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CHAPTER 53
FUSELAGE

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FUSELAGE - INTRODUCTION

General

The fuselage is a semi-monocoque structure. This means that the skin gives structural support to the fuselage. These components reinforce the fuselage structure:

- Forward pressure bulkhead
- Stringers
- Frames
- Keel beam
- Floor beams.
- Aft pressure bulkhead.

These auxiliary structures attach to the fuselage:

- Nose radome
- Wing-to-body fairing
- Tailcone.

Sections

The fuselage is put together in sections. It has these sections:

- 41
- 43
- 44
- 46
- 47
- 48.

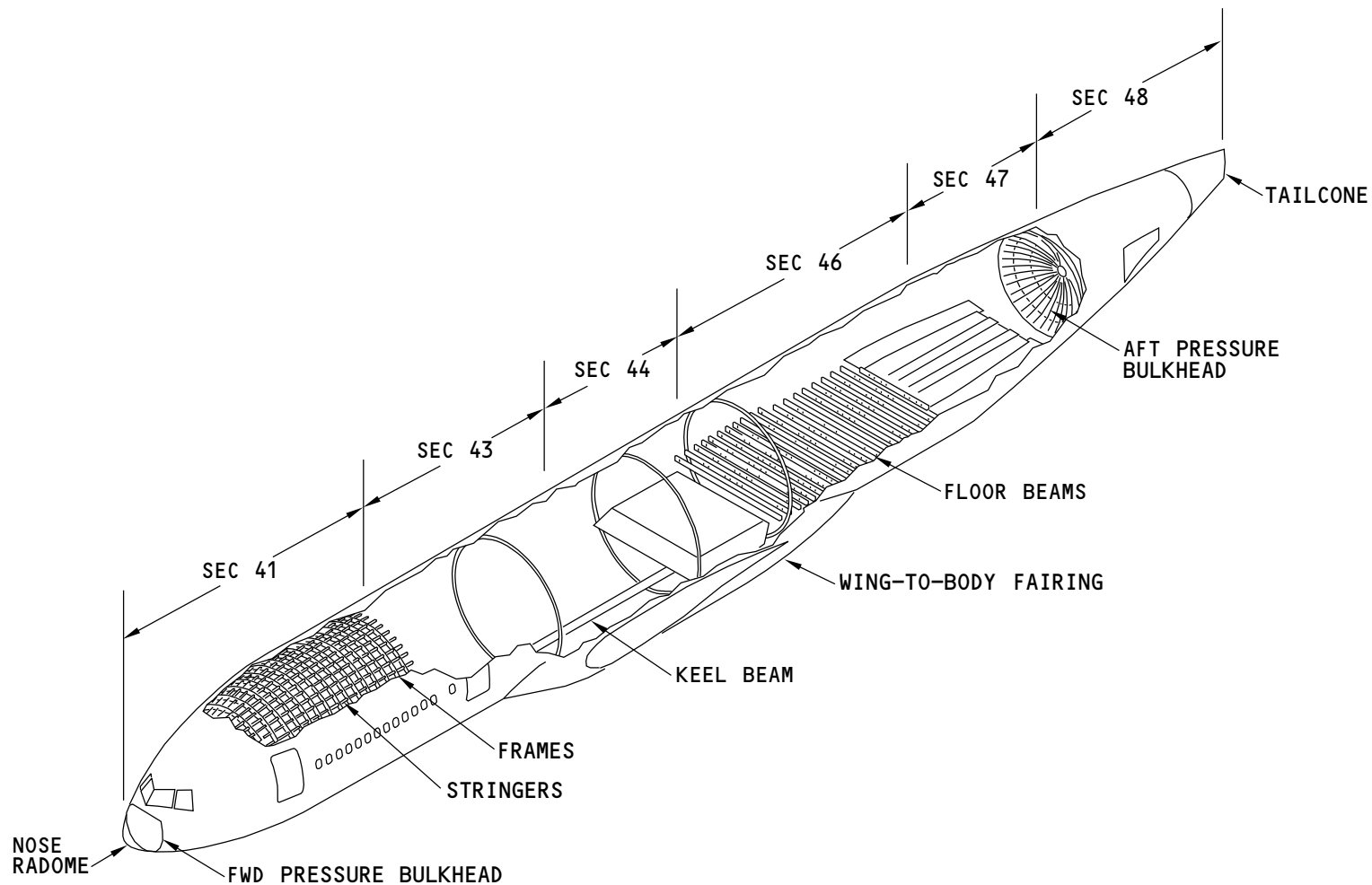
The sections attach to each other with rivets in all places except the floor and the aft cargo door (not shown). At those places the sections attach with hi-lock fasteners.

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FUSELAGE - INTRODUCTION

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**FUSELAGE - NOSE RADOME****General**

The nose radome is a fairing on the nose of the airplane. You open it to get access to these antennas:

- Instrument landing system (ILS) localizer antennas
- ILS glideslope capture antennas
- Weather radar antenna.

Nose Radome Parts

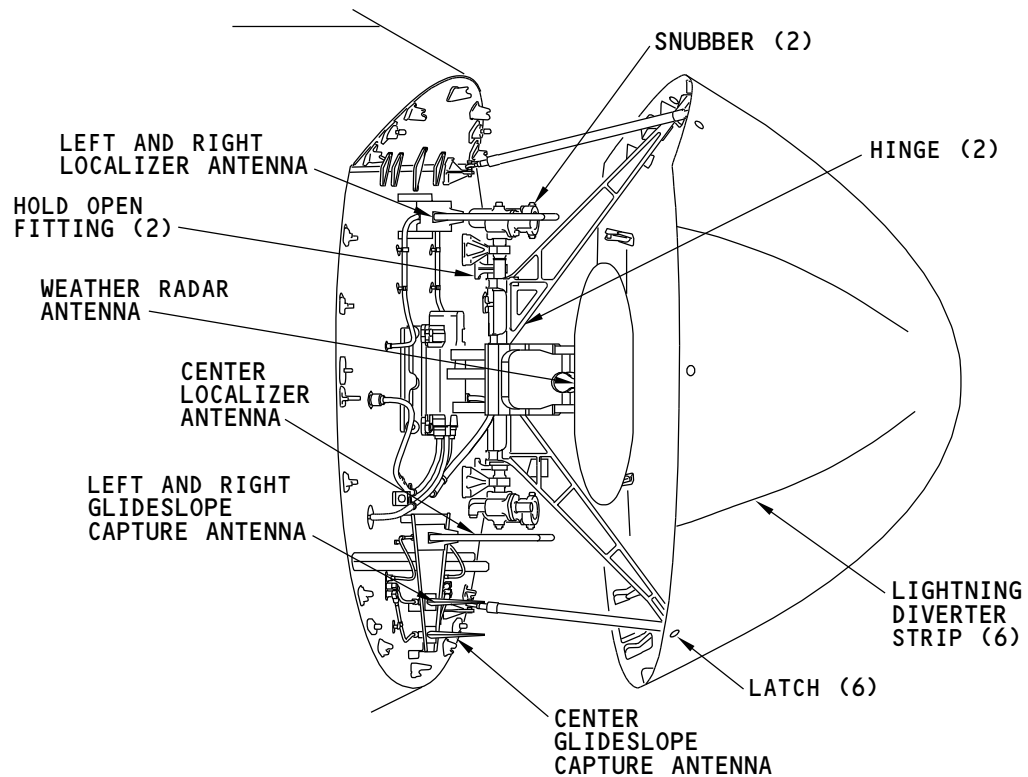
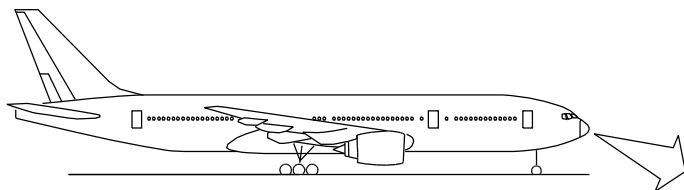
The nose radome has these parts:

- Snubbers (2)
- Hinges (2)
- Latches (6)
- Lightning diverter strips (6).

Training Information Point

You use an allen wrench to open the latches. You use a pin in hold open fittings to hold the radome open.

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FUSELAGE - NOSE RADOME

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**FUSELAGE - WING-TO-BODY FAIRING****General**

The wing-to-body fairing is made of composite panels with a honeycomb core. It has many panels and doors for inspection and servicing.

Panels and Doors

These panels and doors are on each side of the wing-to-body fairing:

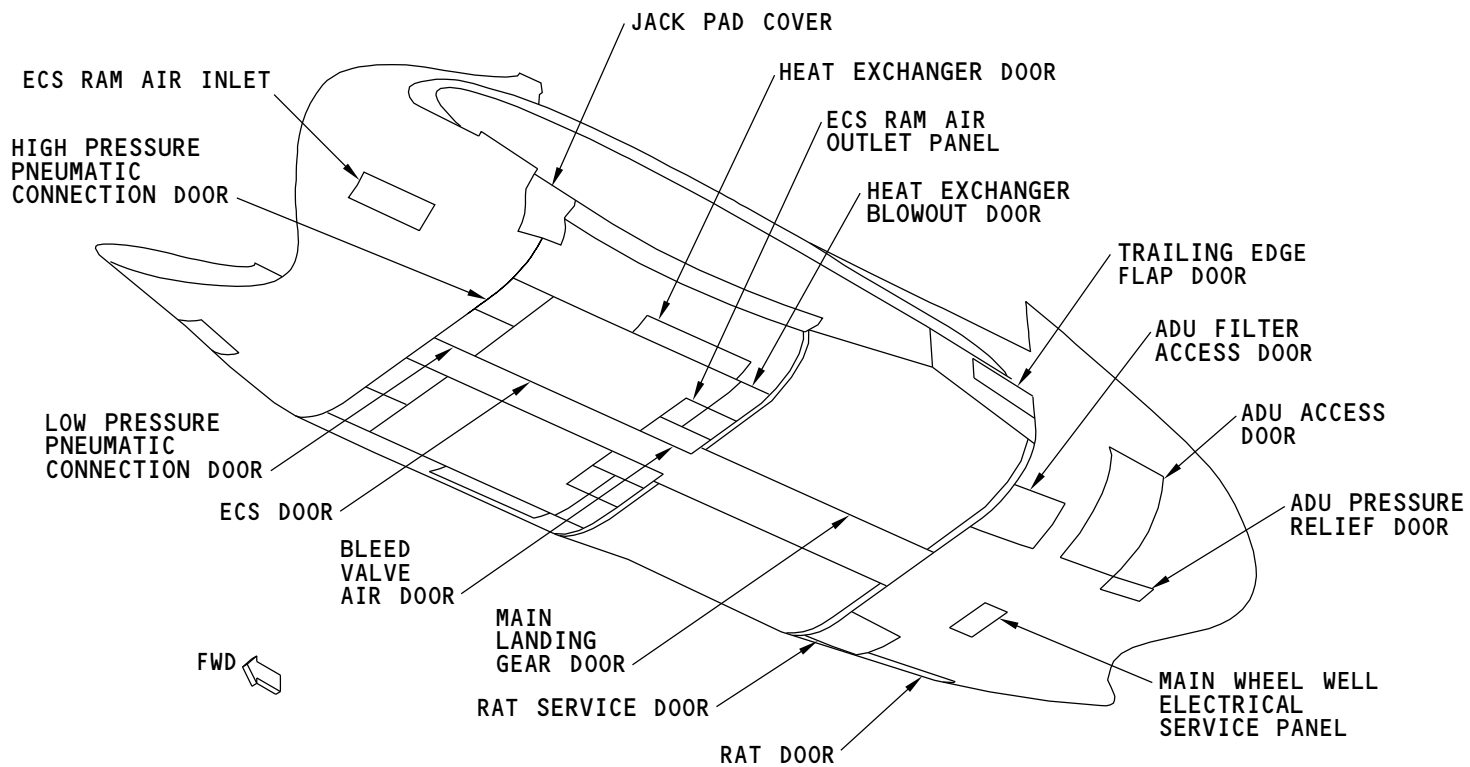
- High pressure pneumatic connection door
- ECS ram air inlet
- Jack pad cover
- Heat exchanger door
- ECS ram air outlet panel
- Heat exchanger blowout door
- Trailing edge flap door
- Main landing gear door
- Bleed valve air door
- ECS door
- Low pressure pneumatic connection door.

These doors are on the left, aft part of the wing-to-body fairing:

- ADU filter access door
- ADU access door
- ADU pressure relief door.

These panels and doors are on the right, aft part of the wing-to-body fairing:

- RAT service door
- RAT door
- Main wheel well electrical service panel.



FUSELAGE - WING-TO-BODY FAIRING

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