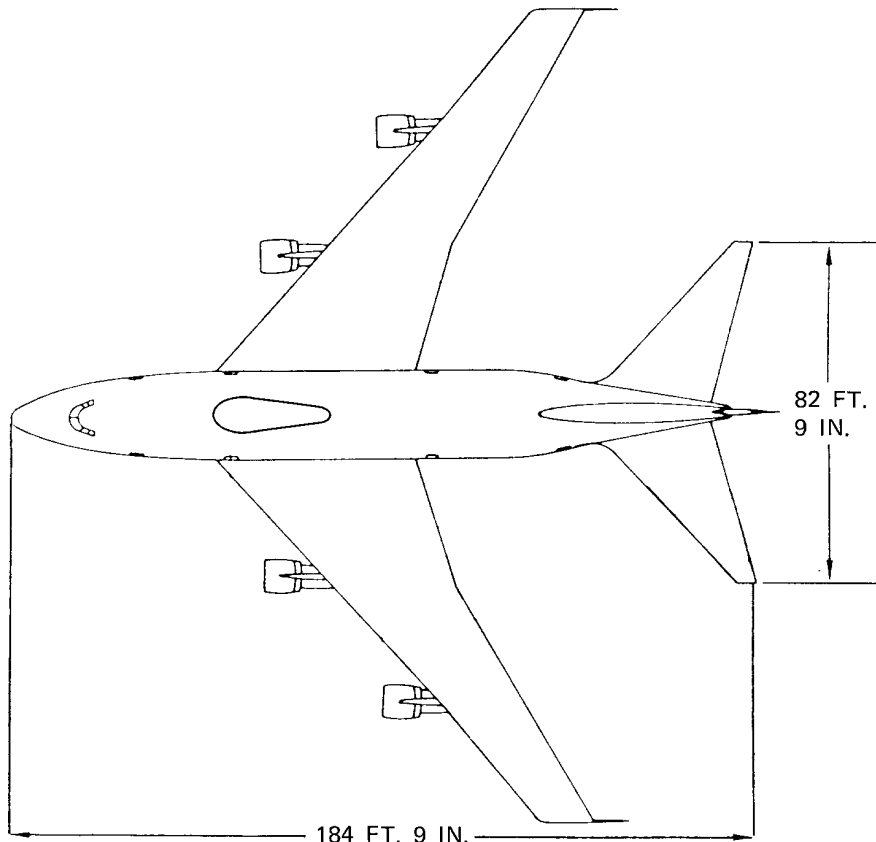
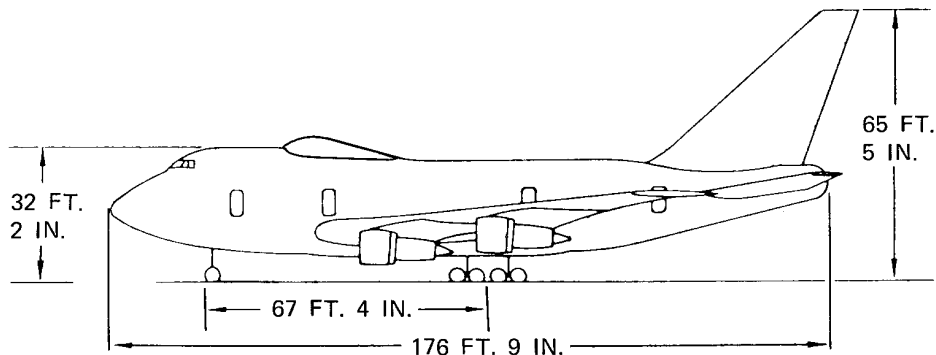
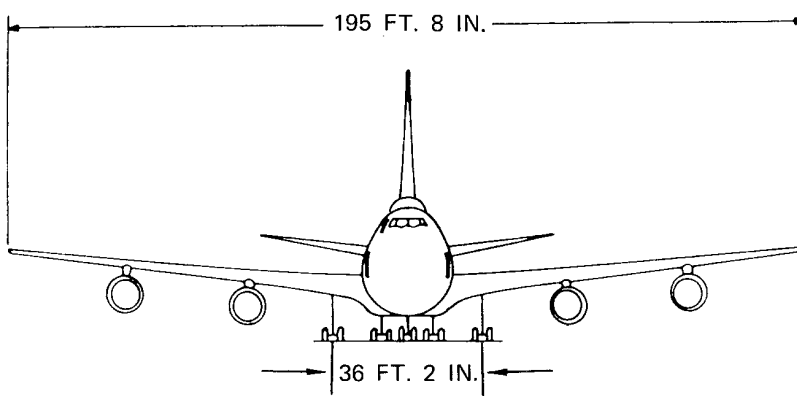


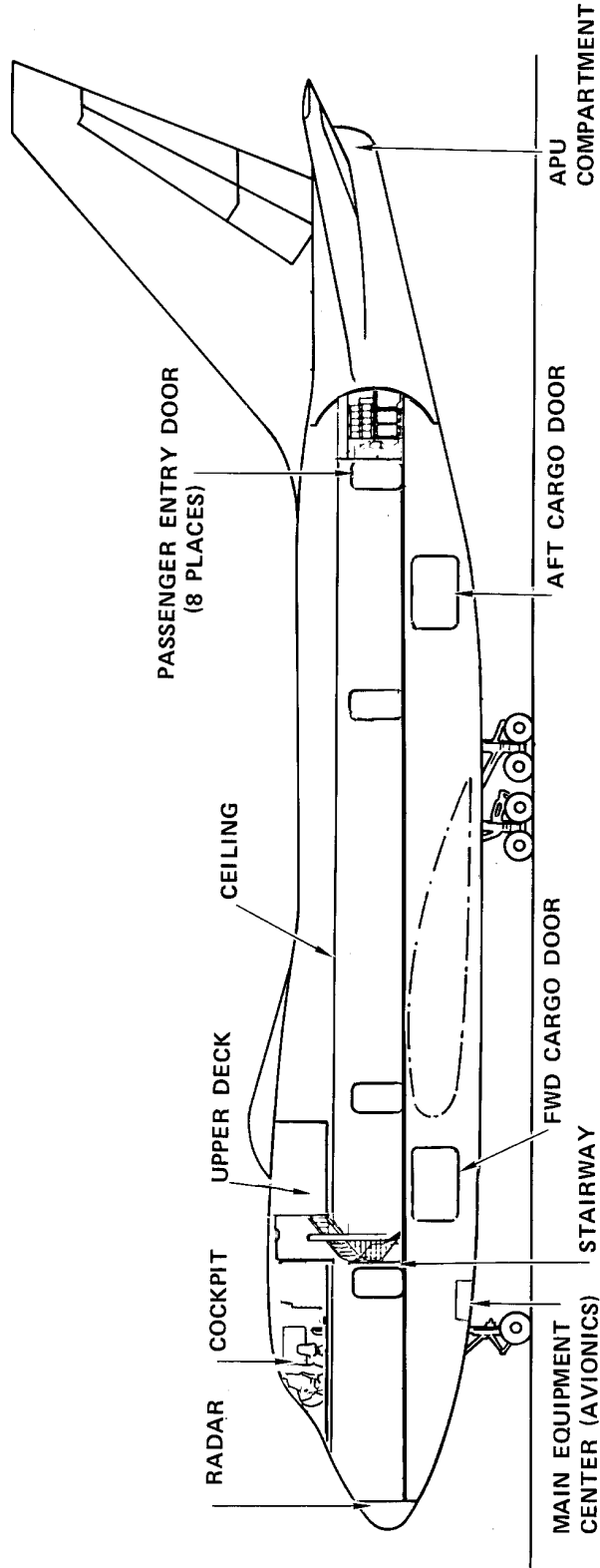
**BOEING** **747**  
**OPERATIONS MANUAL**

**AIRPLANE GENERAL  
PRINCIPAL DIMENSIONS**



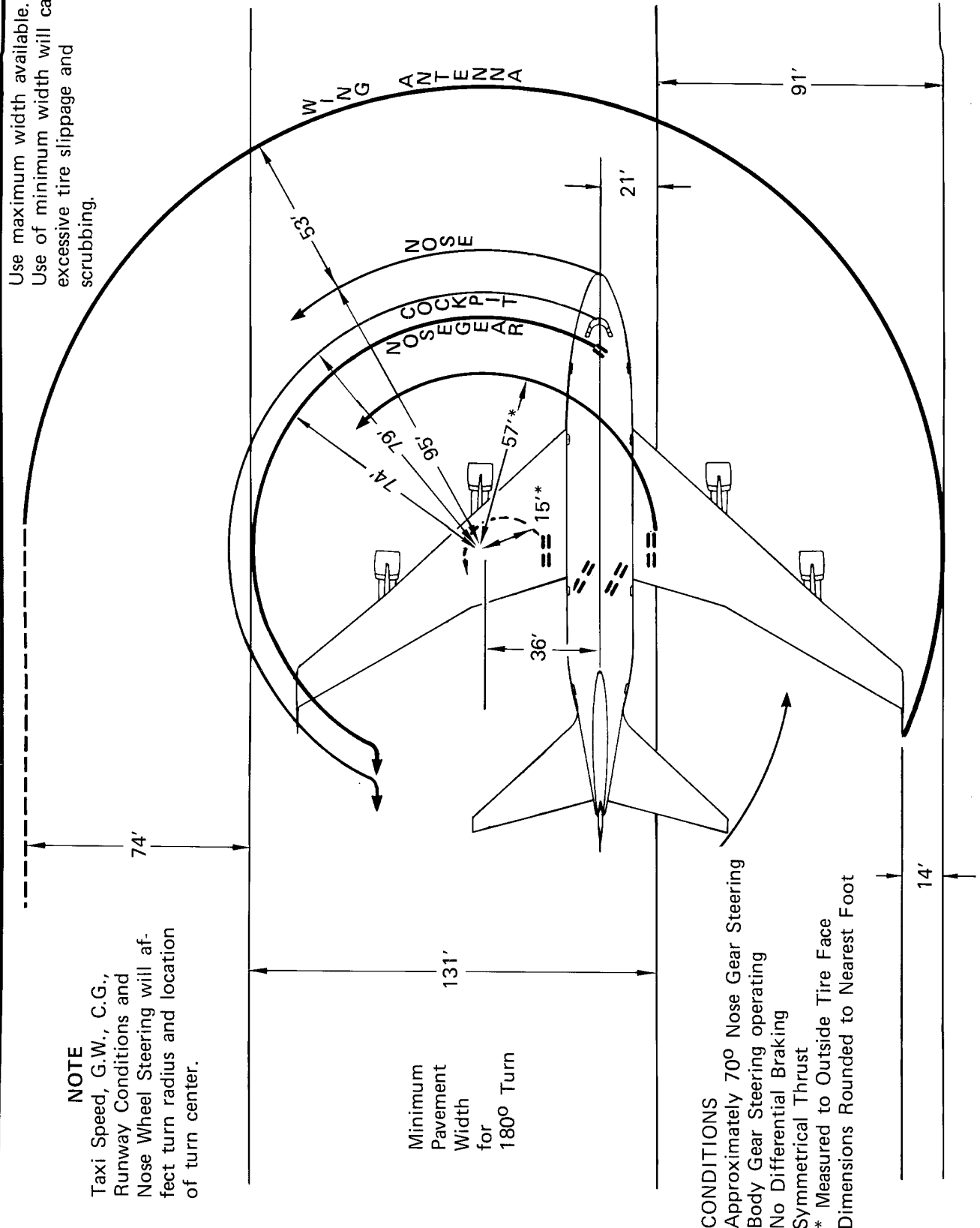
**PRINCIPAL DIMENSIONS**

B89978



AIRPLANE DECK STRUCTURE

Use maximum width available.  
 Use of minimum width will cause  
 excessive tire slippage and  
 scrubbing.



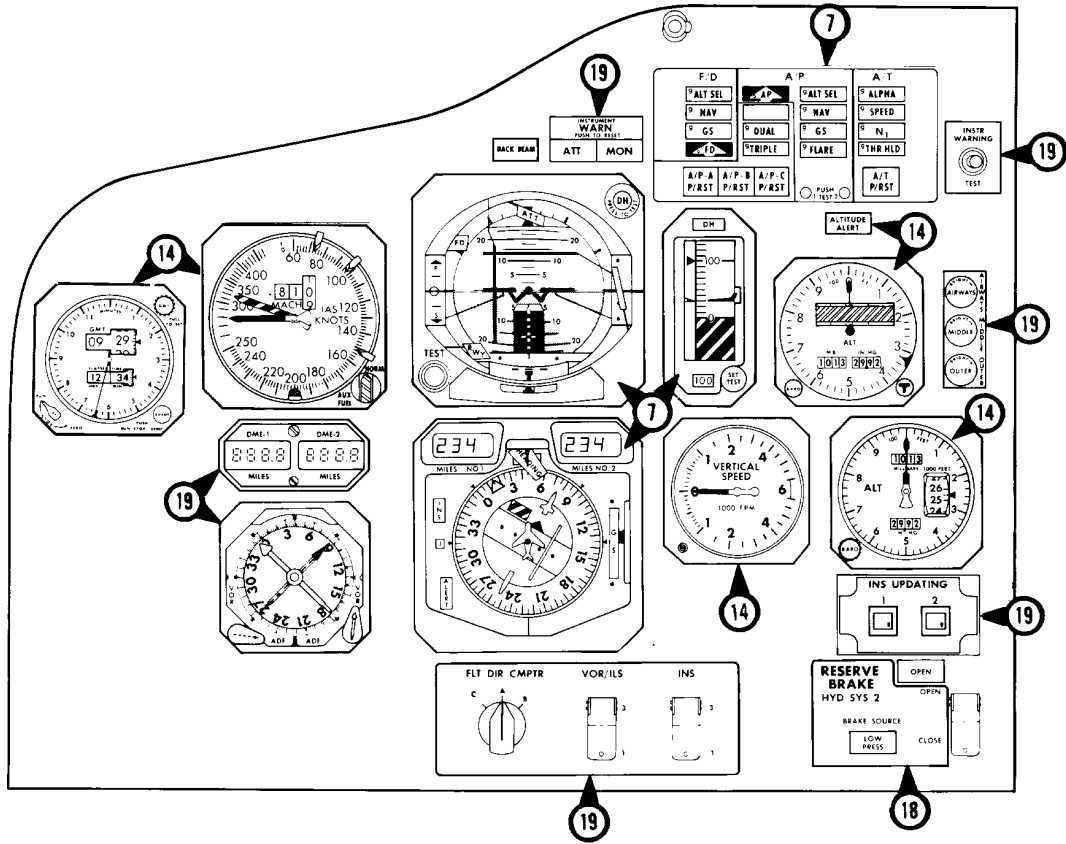
**NOTE**  
 Taxi Speed, G.W., C.G.,  
 Runway Conditions and  
 Nose Wheel Steering will af-  
 fect turn radius and location  
 of turn center.

Minimum  
 Pavement  
 Width  
 for  
 180° Turn

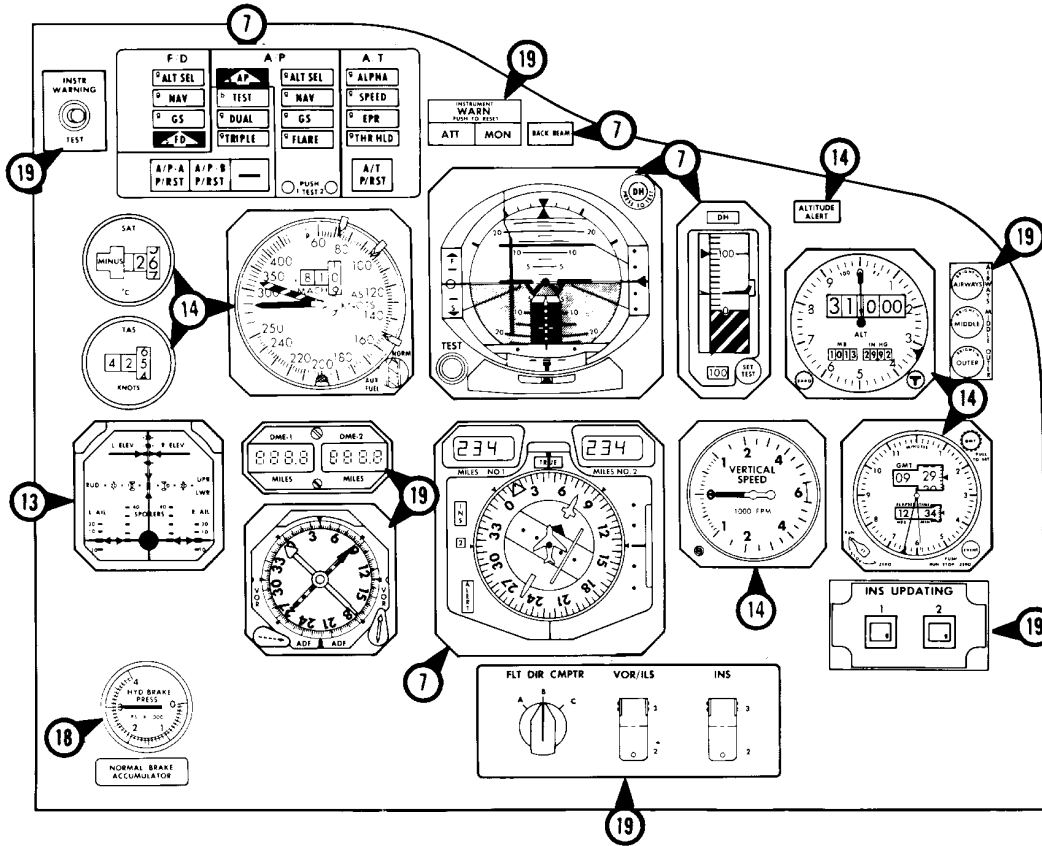
**CONDITIONS**  
 Approximately 70° Nose Gear Steering  
 Body Gear Steering operating  
 No Differential Braking  
 Symmetrical Thrust  
 \* Measured to Outside Tire Face  
 Dimensions Rounded to Nearest Foot

**747 SP  
 TURNING RADIUS**

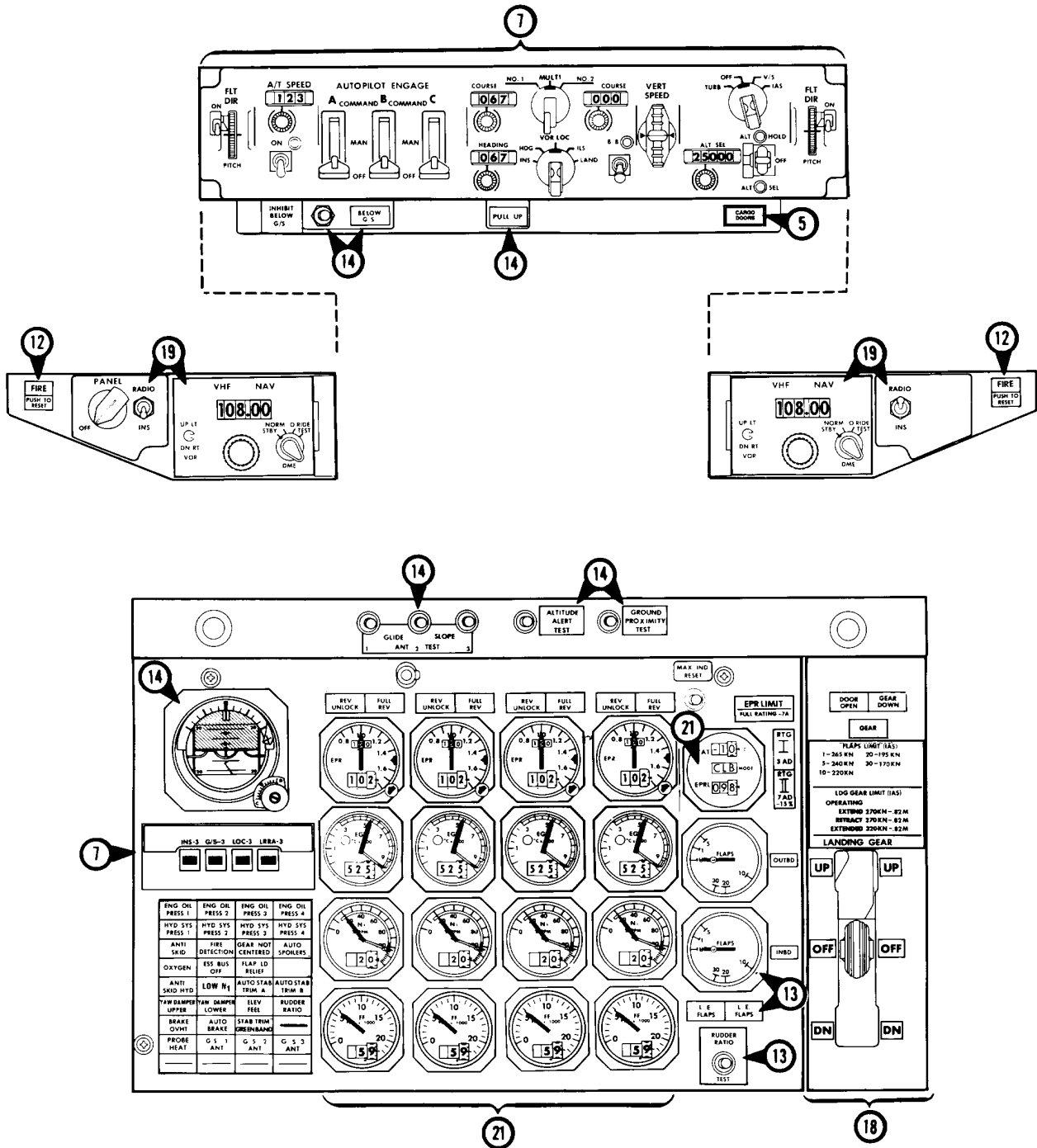




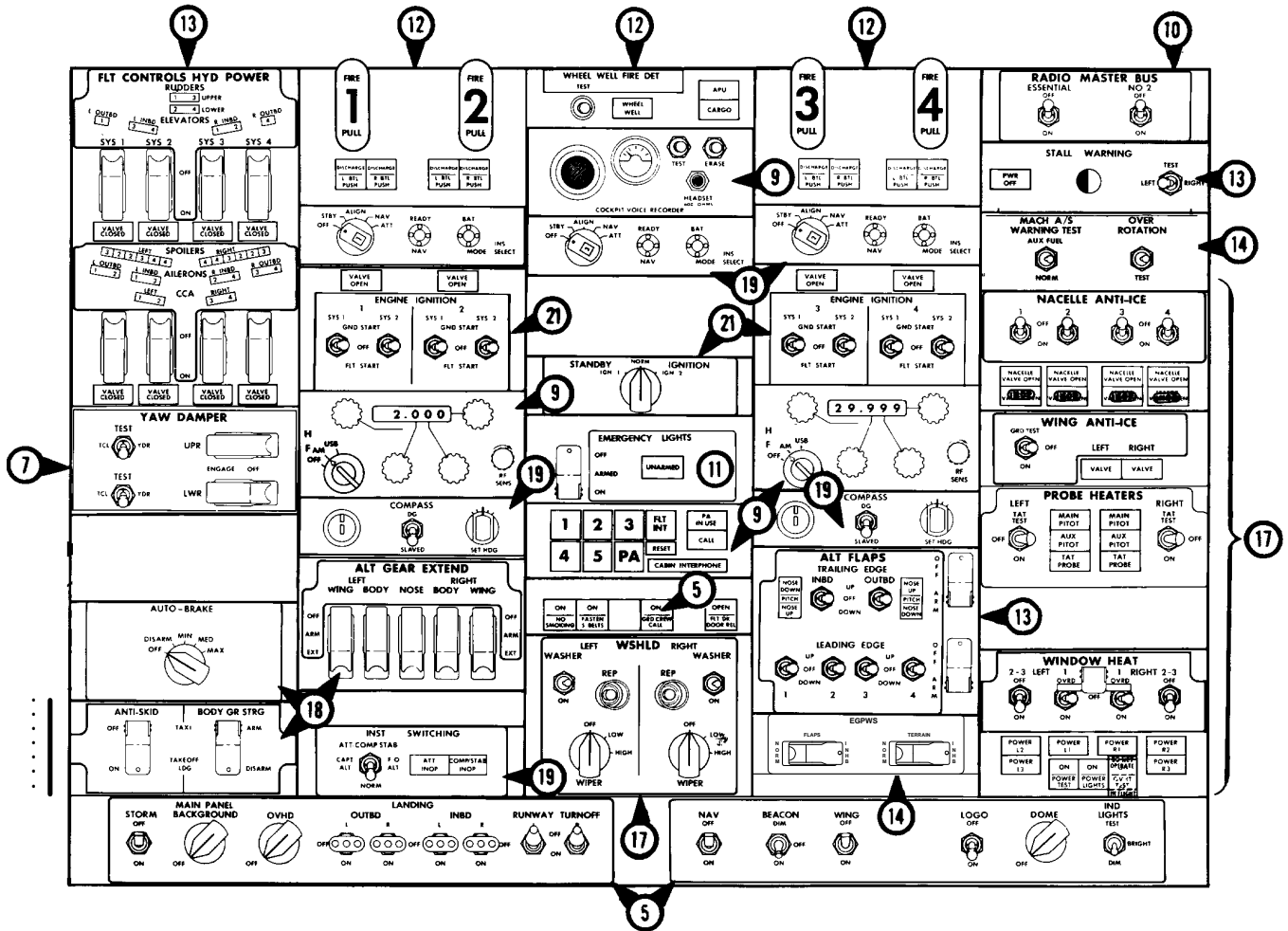
**CAPTAIN'S INSTRUMENT PANEL**



FIRST OFFICER'S INSTRUMENT PANEL

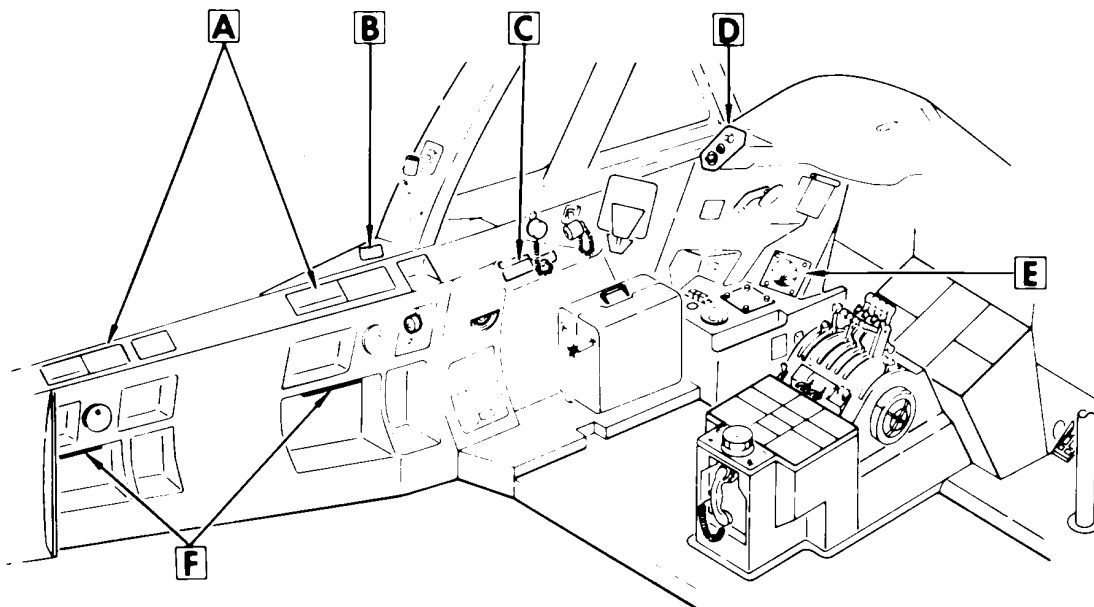
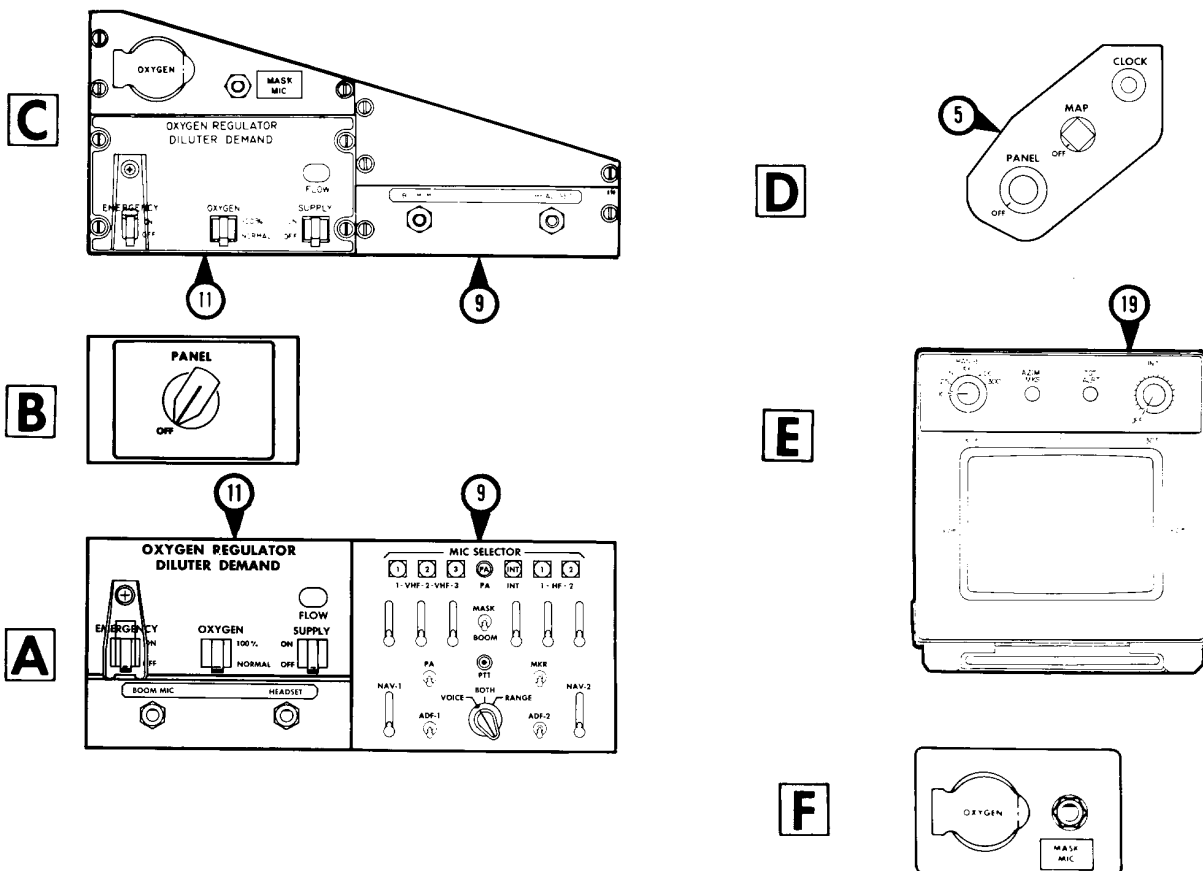


**PILOTS' CENTER INSTRUMENT PANEL & LIGHTSHIELD**

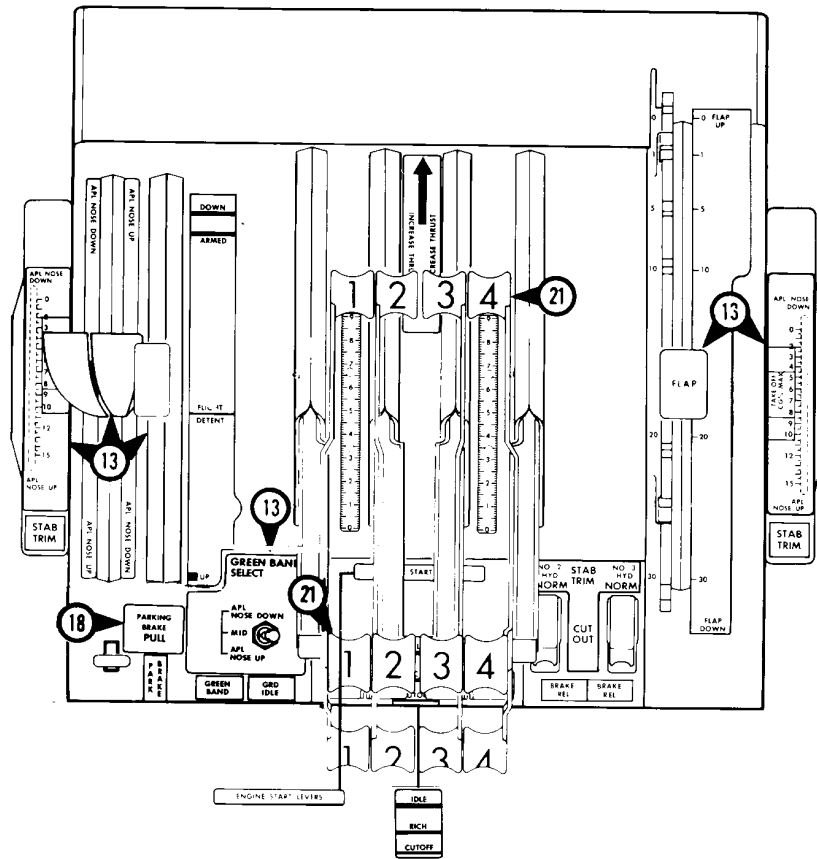
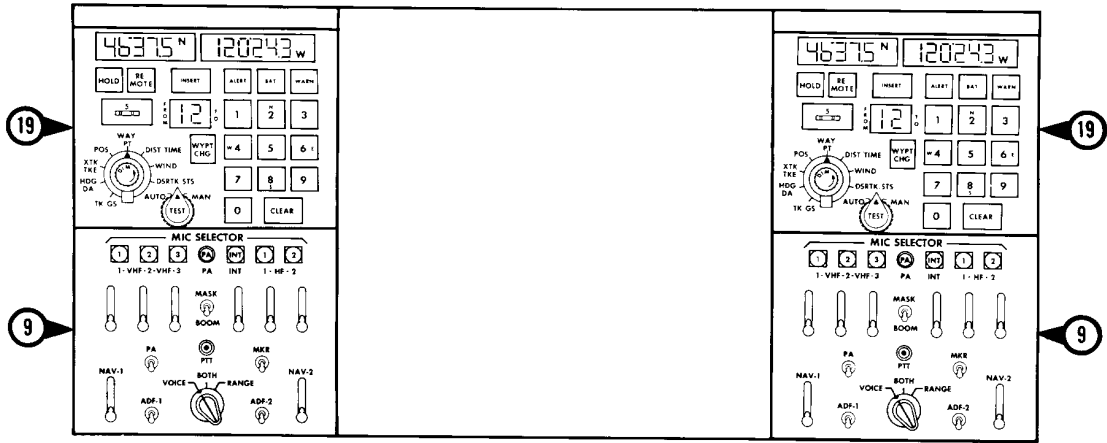


**PILOTS' OVERHEAD PANEL**

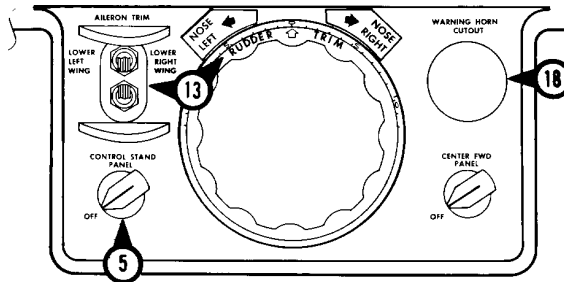
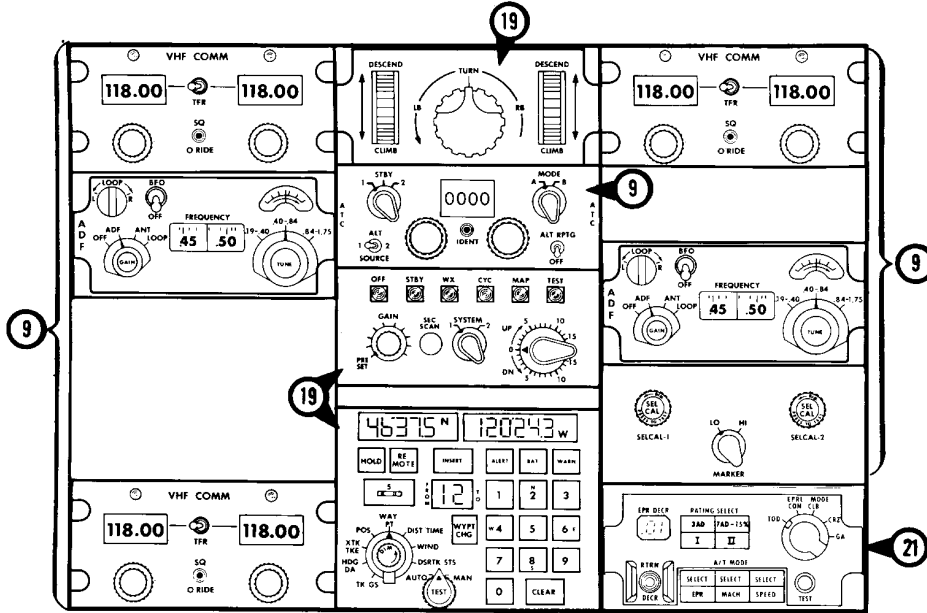




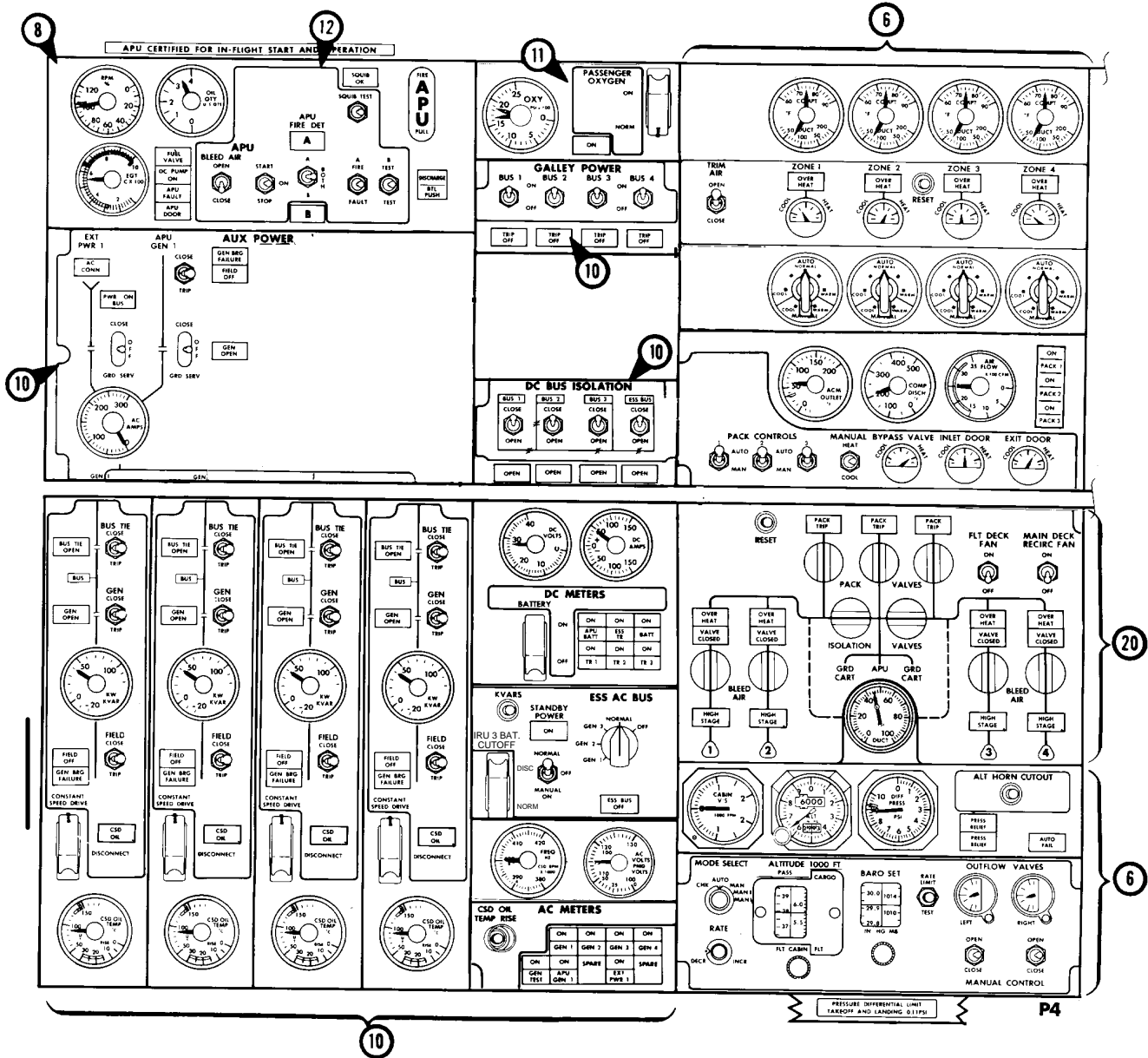
**CAPTAIN'S & FIRST OFFICER'S AUXILIARY PANELS**



PILOTS' CONTROL STAND (UPPER HALF)

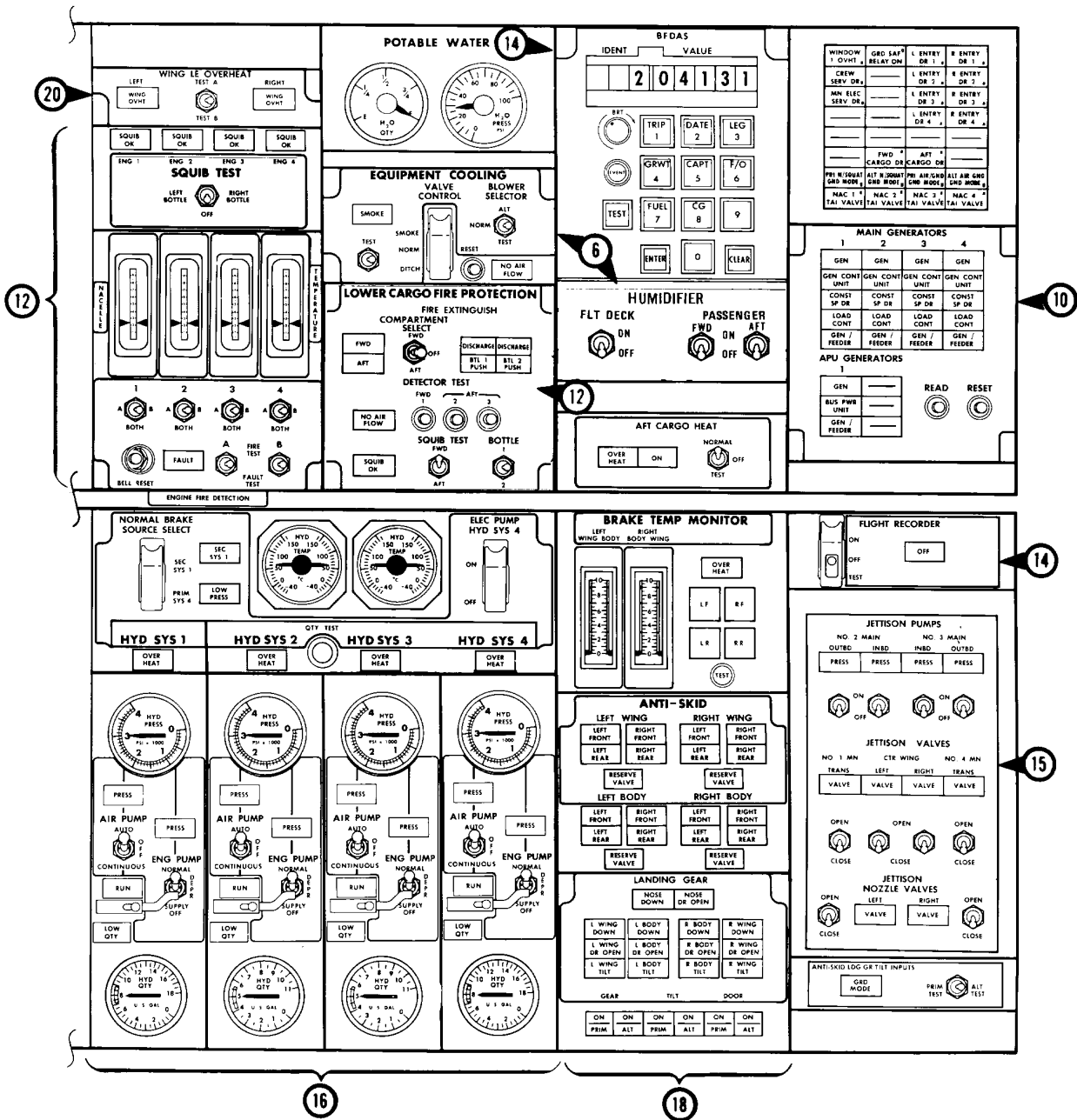


**PILOTS' CONTROL STAND (LOWER HALF)**



**FLIGHT ENGINEER'S INSTRUMENT PANEL UPPER PANEL LEFT**

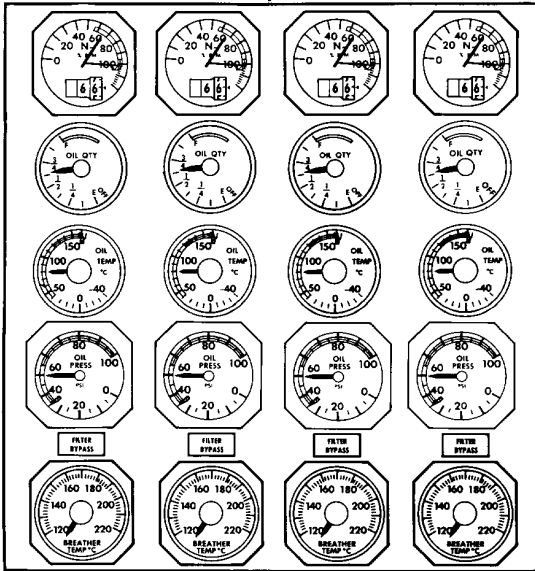
2017408



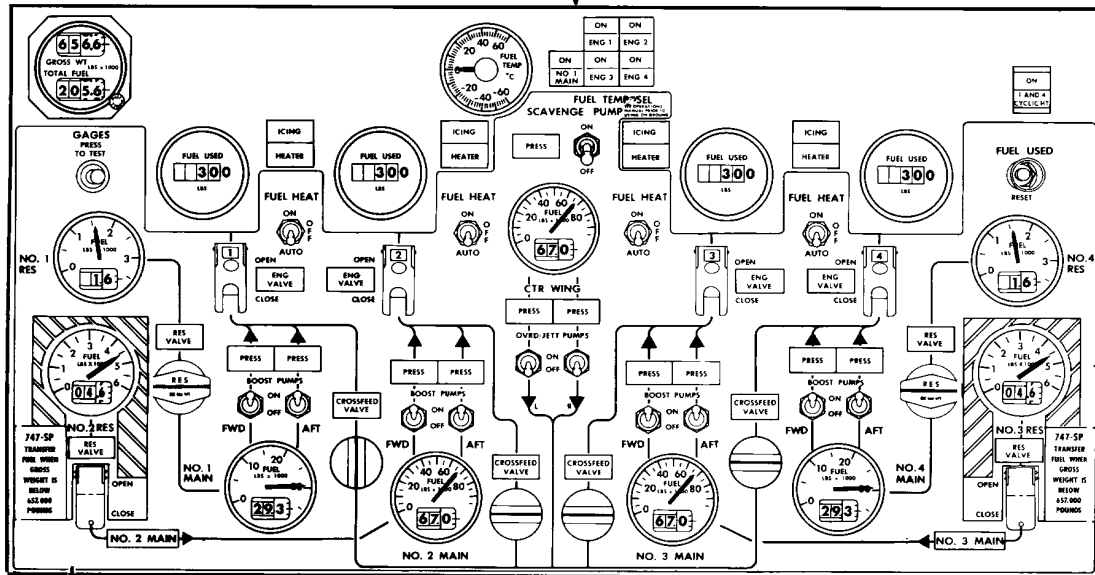
**FLIGHT ENGINEER'S INSTRUMENT PANEL - UPPER PANELS-RIGHT**

B93725

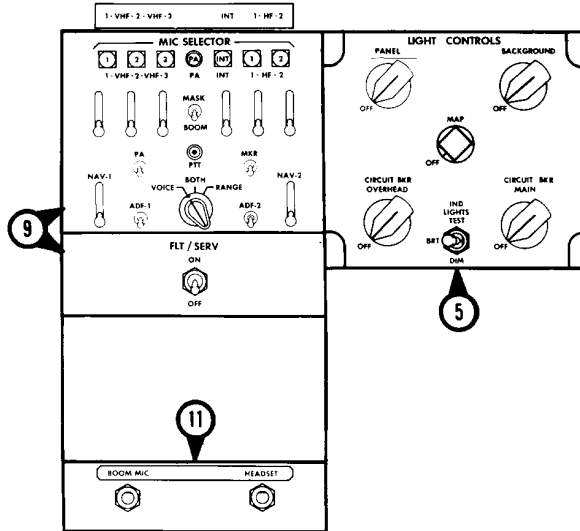
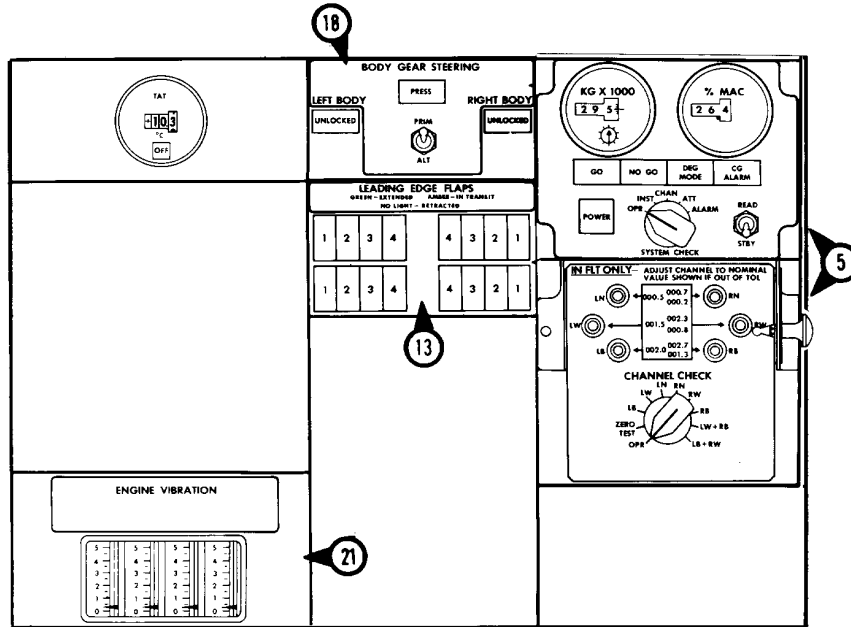
21



15



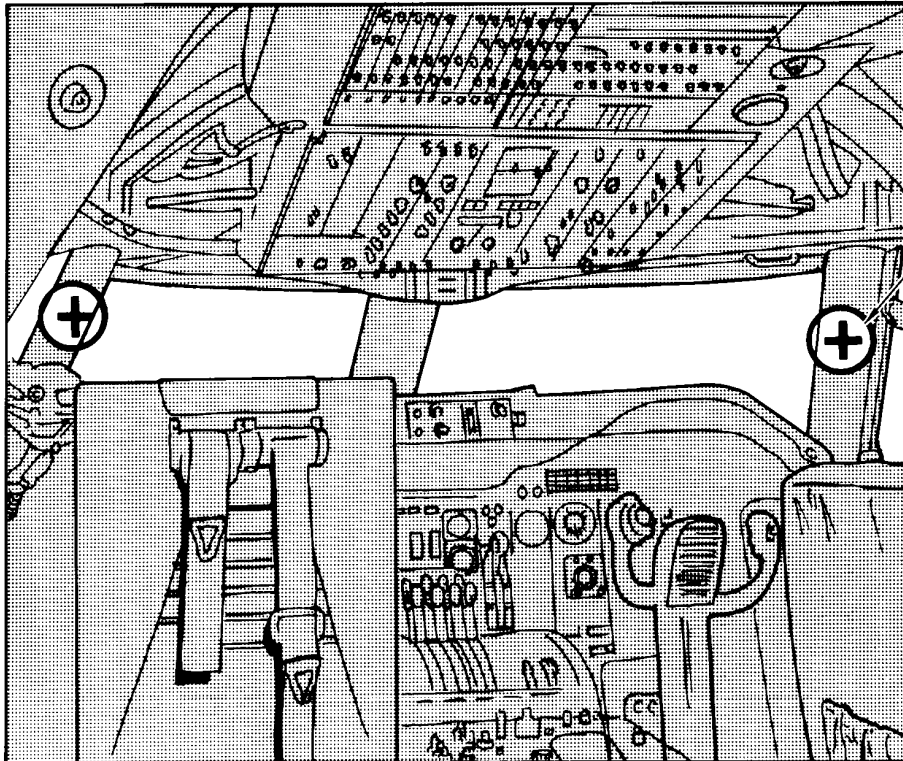
FLIGHT ENGINEER'S LOWER INSTRUMENT PANELS



**FLIGHT ENGINEER'S LOWER INSTRUMENT PANELS (CONT)**







EYE POSITION  
INDICATOR (2)

PILOT'S SEAT ADJUSTMENT

First, position the seat vertically until the horizontal reference line is parallel and level with the eye. Then, adjust the seat fore and aft until the vertical line just passes out of peripheral vision when looking straight ahead through the forward window.

NOTE: The recline adjustment feature of the seat will be in an optimum position near or slightly aft of the full upright position.