

AIRCRAFT GENERAL

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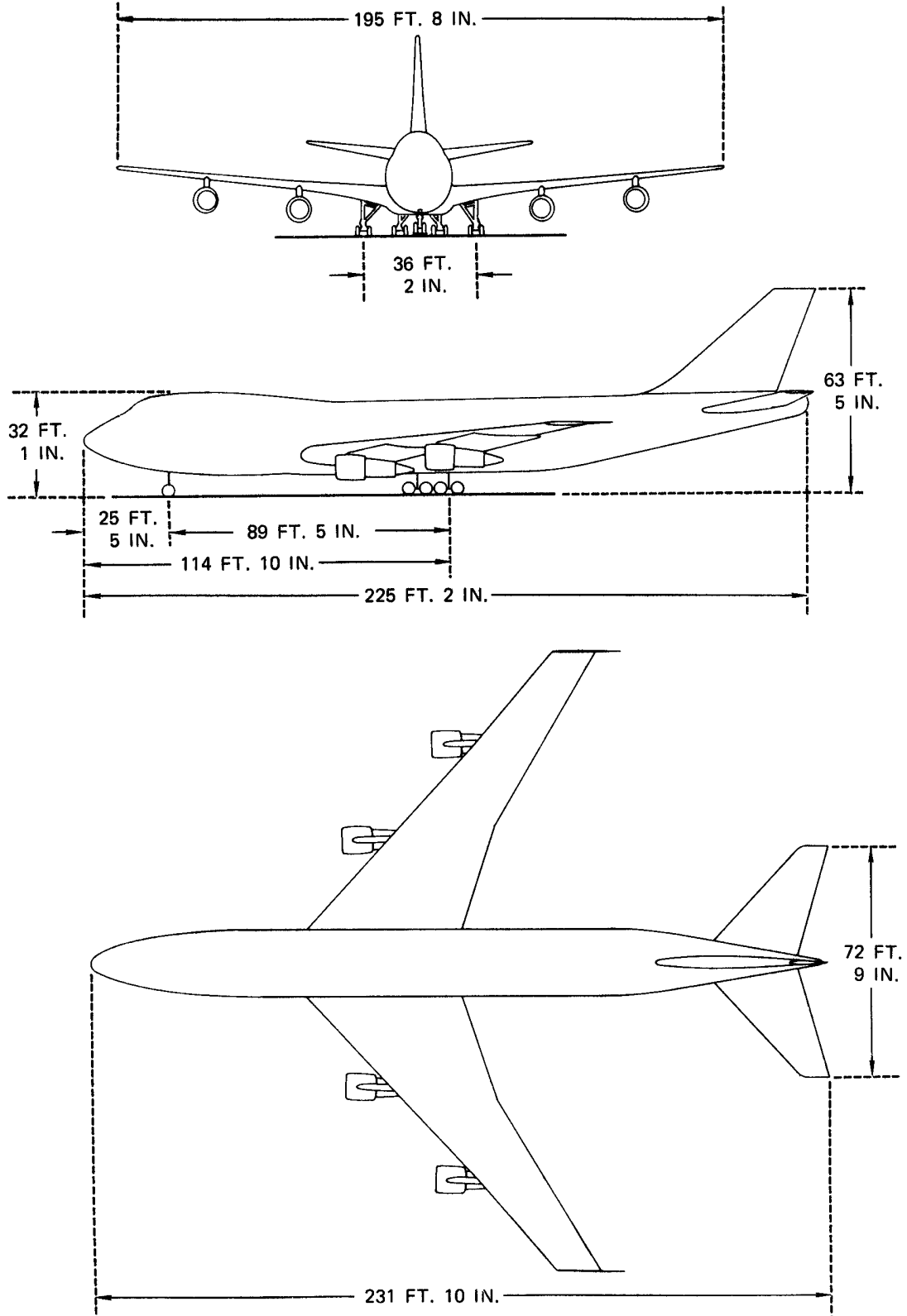
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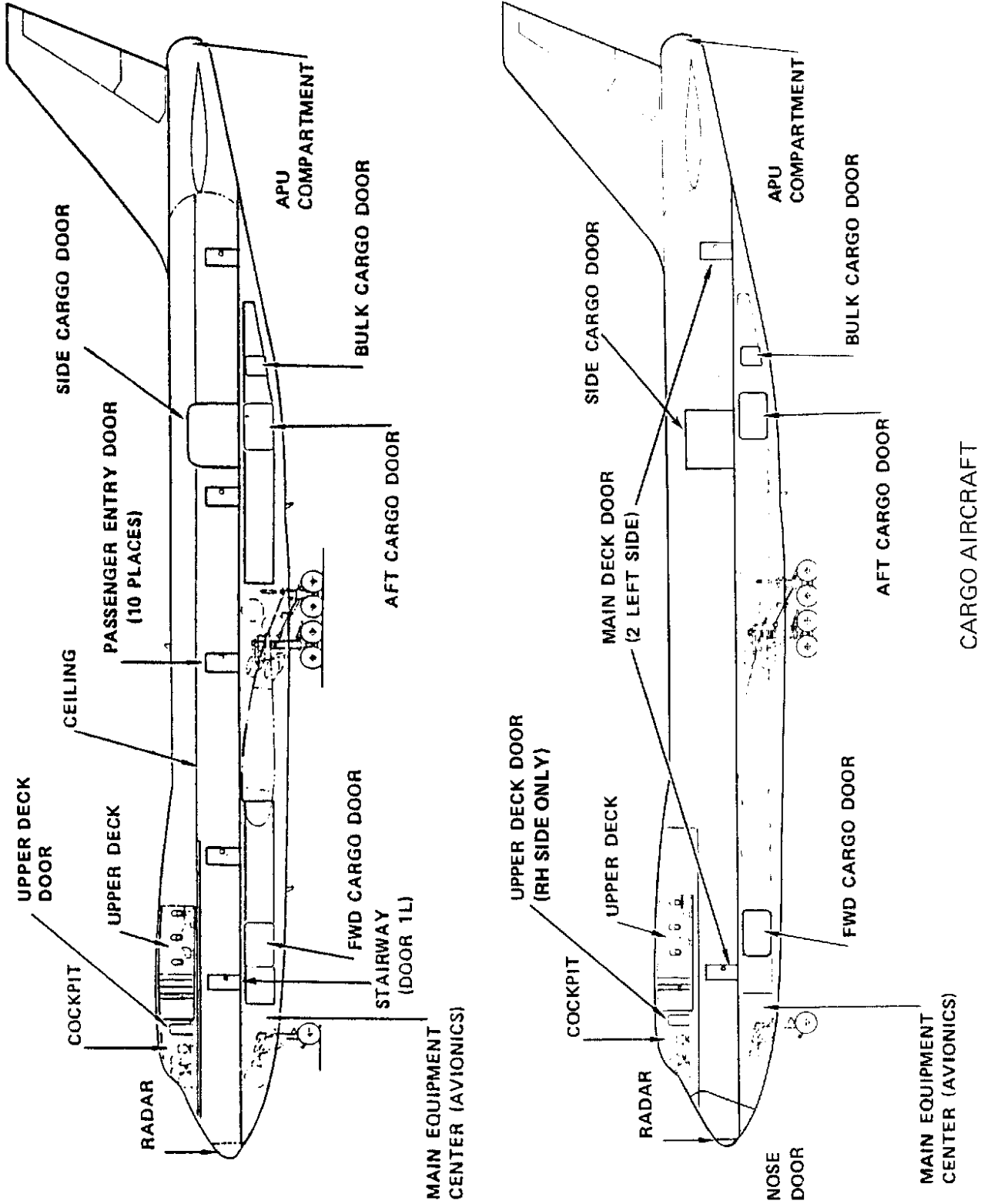
TS2050/CFE/c/REV 40 (1 JUL 02)
(COMPLETELY REVISED)

DESCRIPTION

PRINCIPAL DIMENSIONS



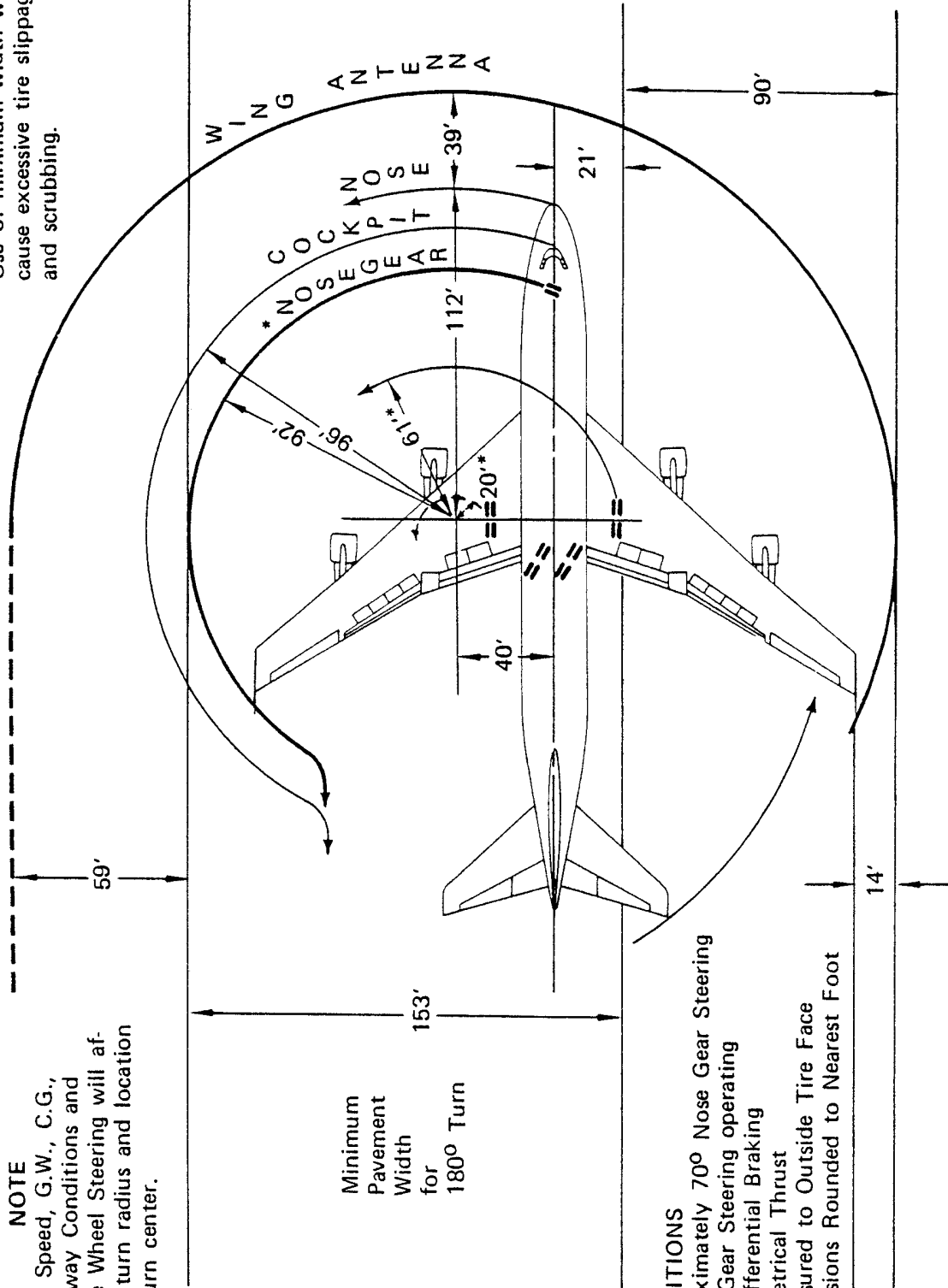
AIRCRAFT DECK STRUCTURE



TS2050/CFE/cl/REV 40 (1 JUL 02)
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TURNING RADIUS

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



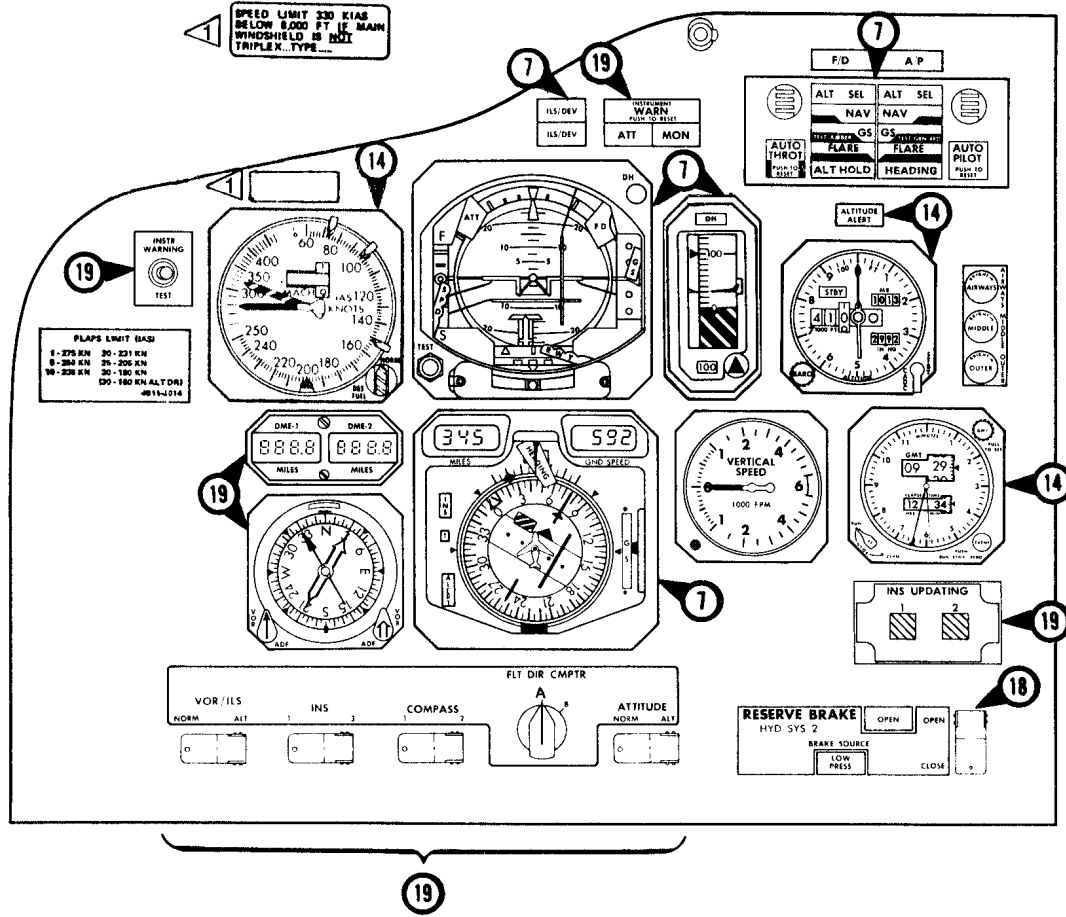
NOTE
Taxi Speed, G.W., C.G.,
Runway Conditions and
Nose Wheel Steering will af-
fect turn radius and location
of turn center.

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

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CAPT'S INSTRUMENT PANEL



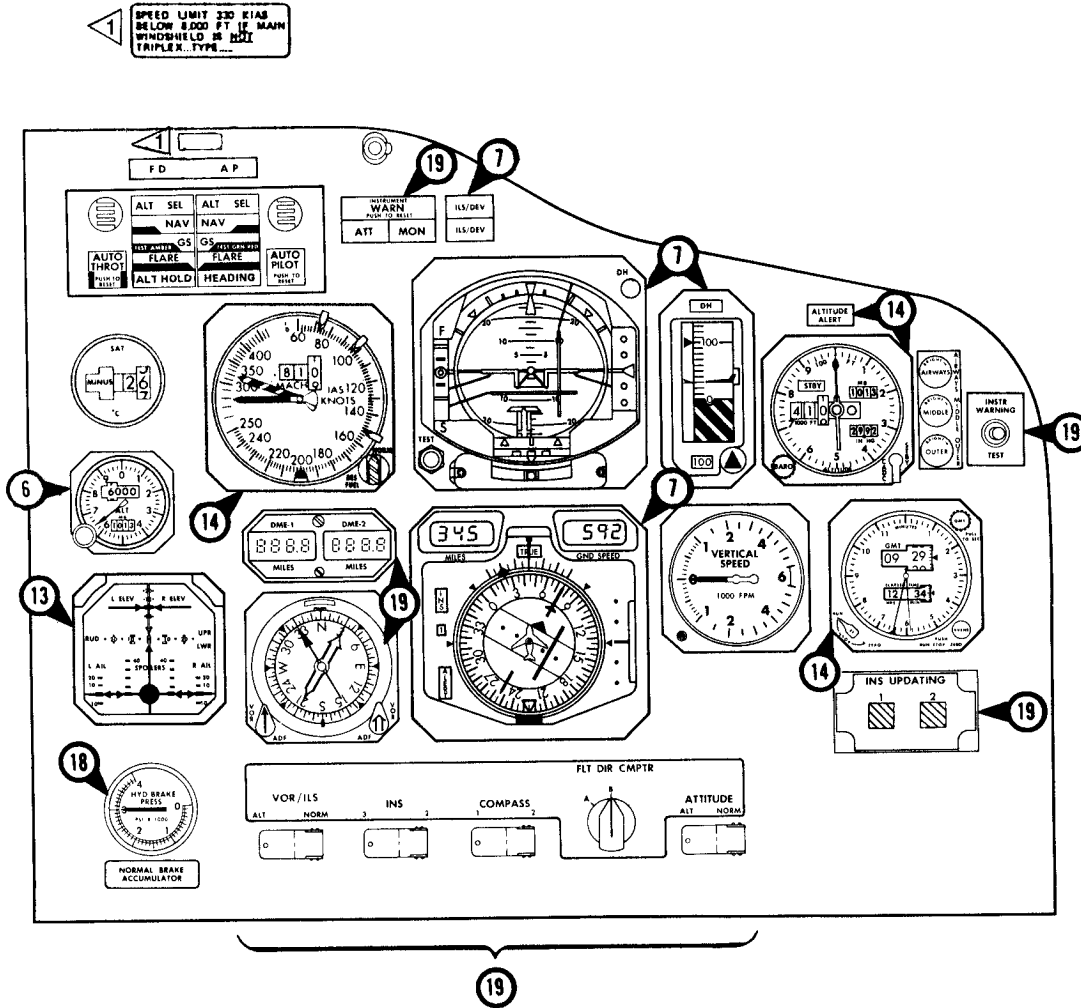
Circled numbers refer to chapters where information on the item may be found.

The controls, panels, and indicators shown in this chapter are representative of installed units and may not exactly reflect the details of the latest configuration. Refer to the corresponding chapter under system descriptions for current information.

CATHAY PACIFIC B747 (RB211)

TS2050/CFE/cl/REV 40 (1 JUL 02)
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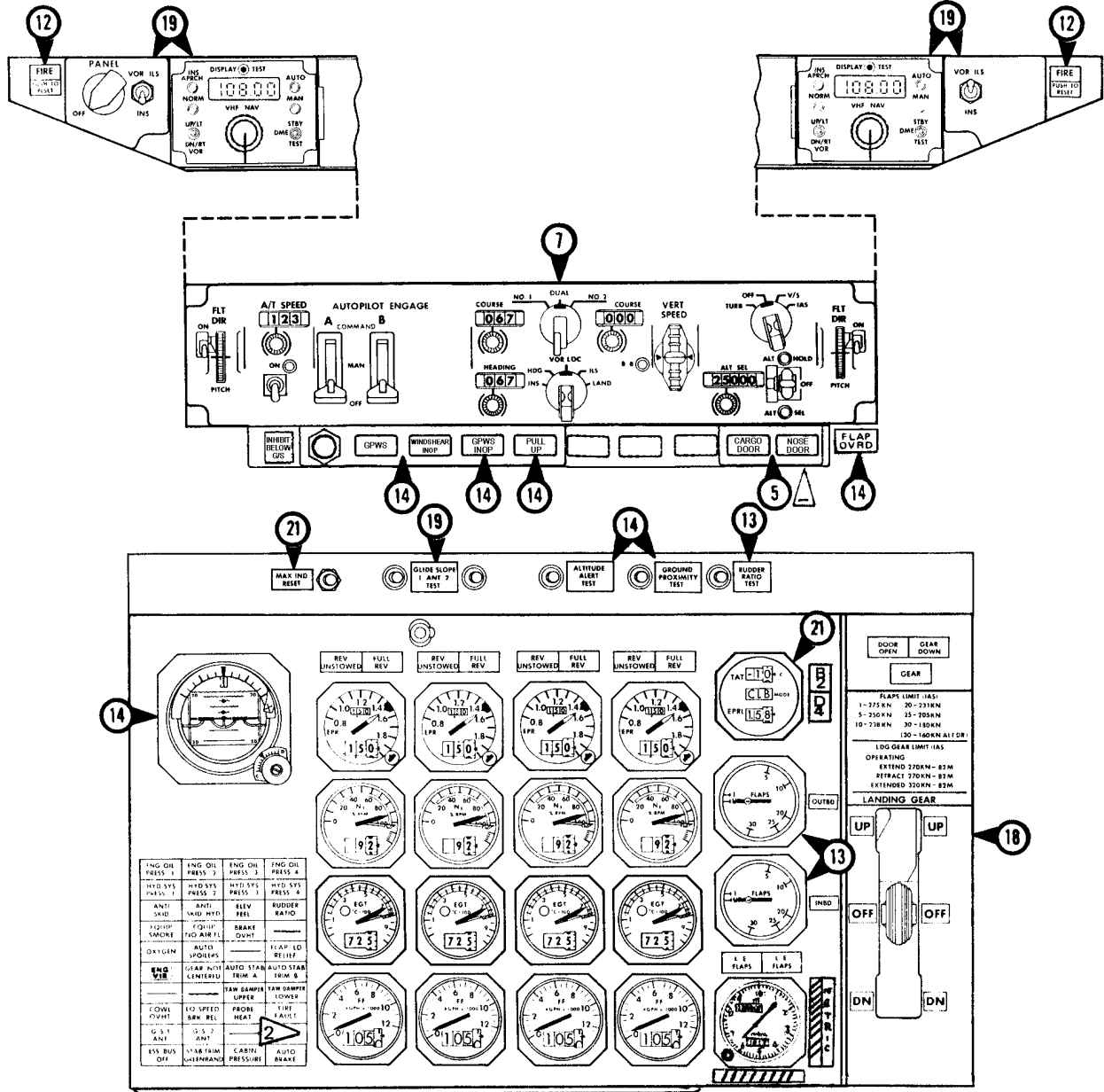
F/O'S INSTRUMENT PANEL





Circled numbers refer to chapters where information on the item may be found.

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PILOT'S CENTRE INSTRUMENT PANEL AND LIGHT SHIELD



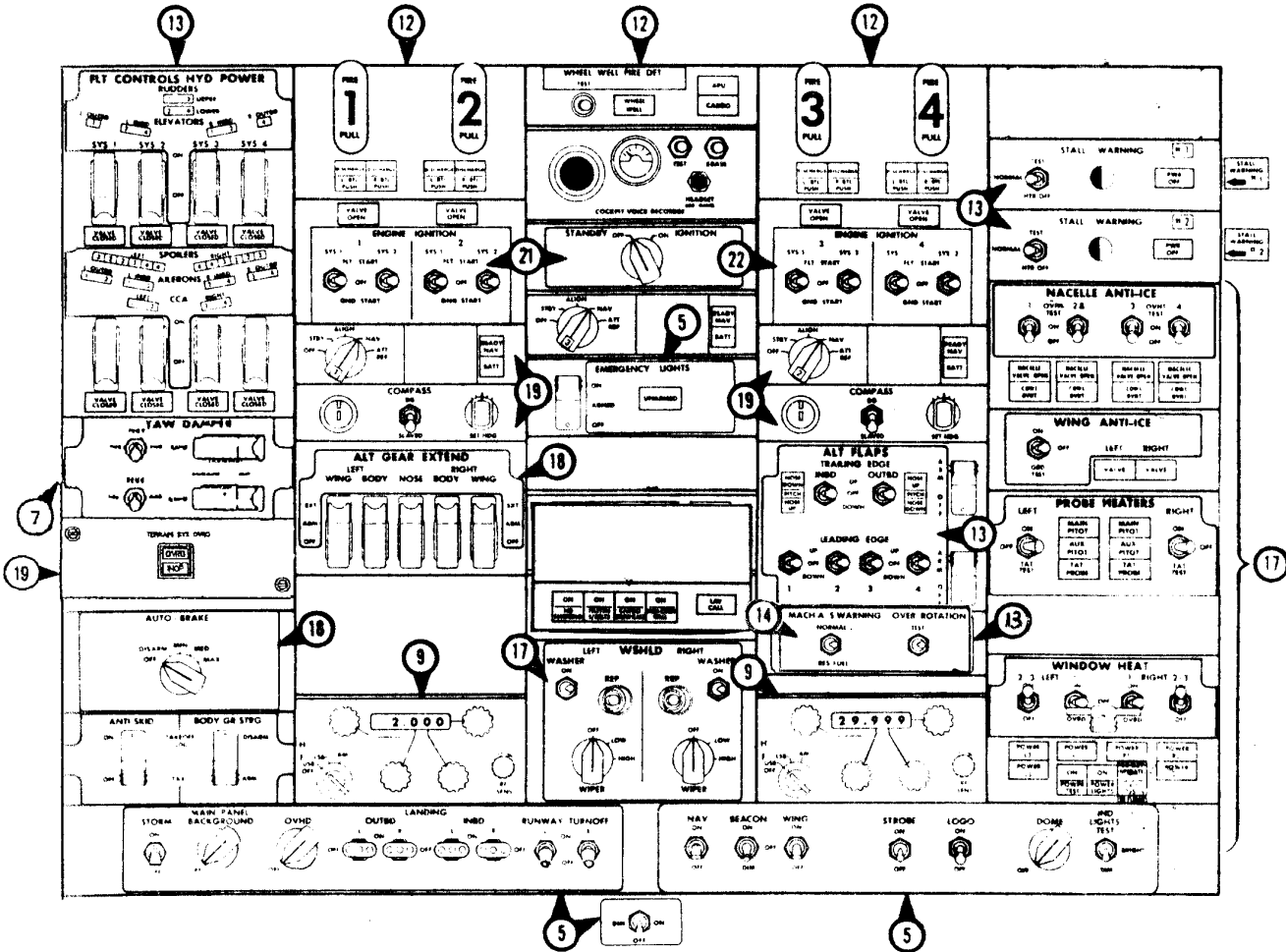
-  200F (If fitted)
-  **LOW N1** If installed

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CATHAY PACIFIC B747 (RB211)

TS2050/CFE/c/REV 40 (1 JUL 02)
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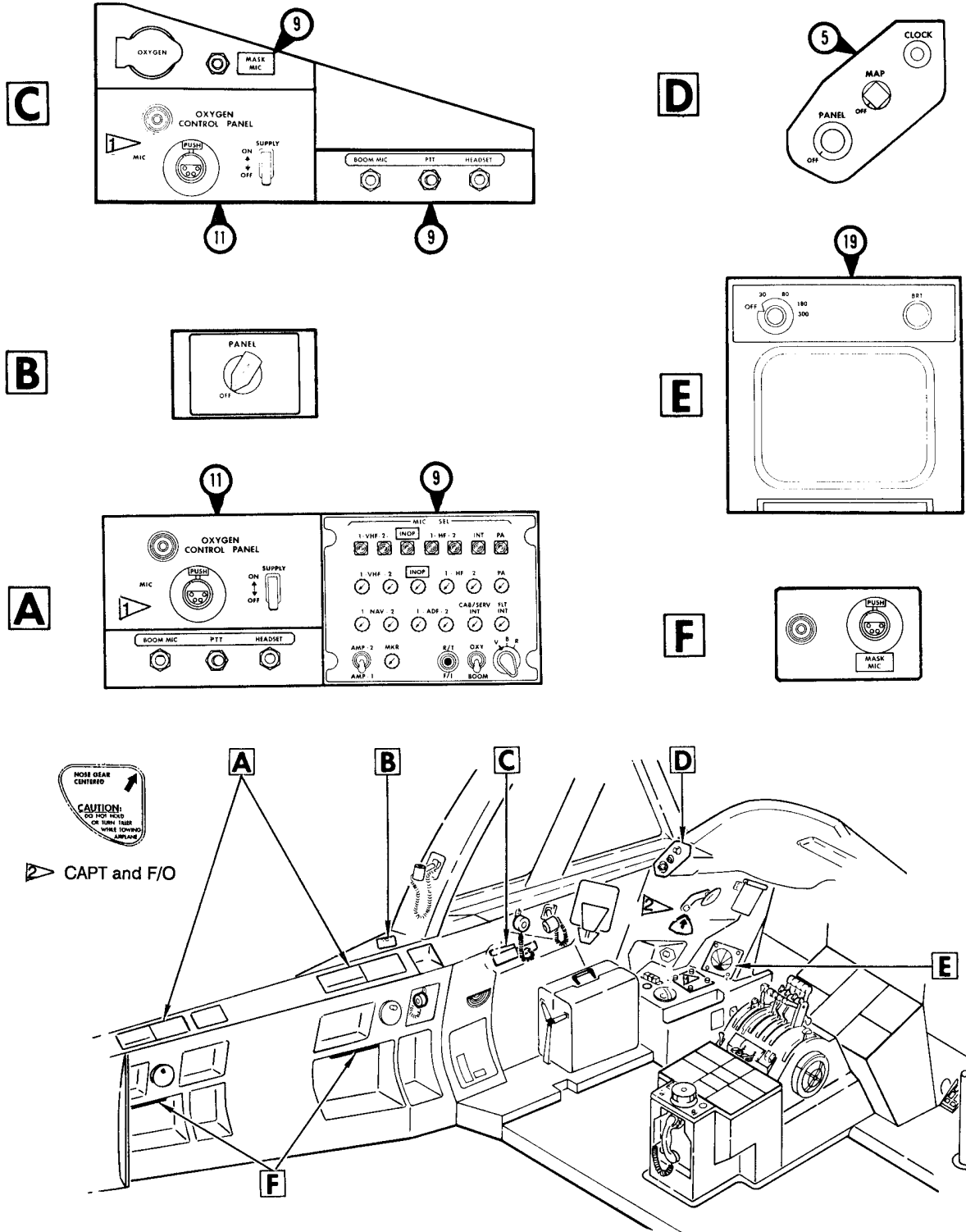
PILOTS' OVERHEAD PANEL



Circled numbers refer to chapters where information on the item may be found.

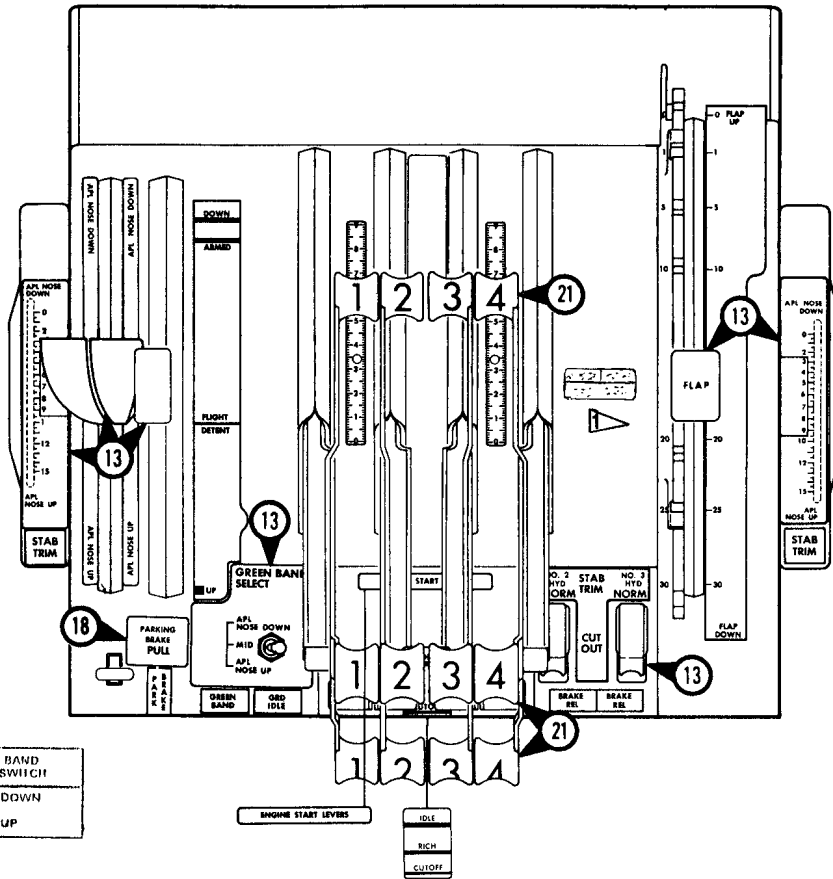
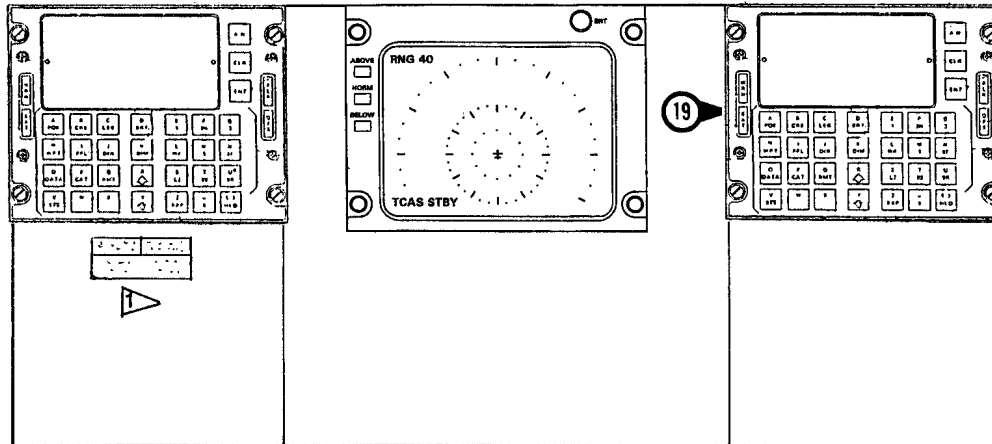
TS2050/CFE/c/REV 40 (1 JUL 02)
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CAPT'S AND F/O'S AUXILIARY PANELS



Circled numbers refer to chapters where information on the item may be found.

PILOTS' CONTROL STAND (UPPER HALF)



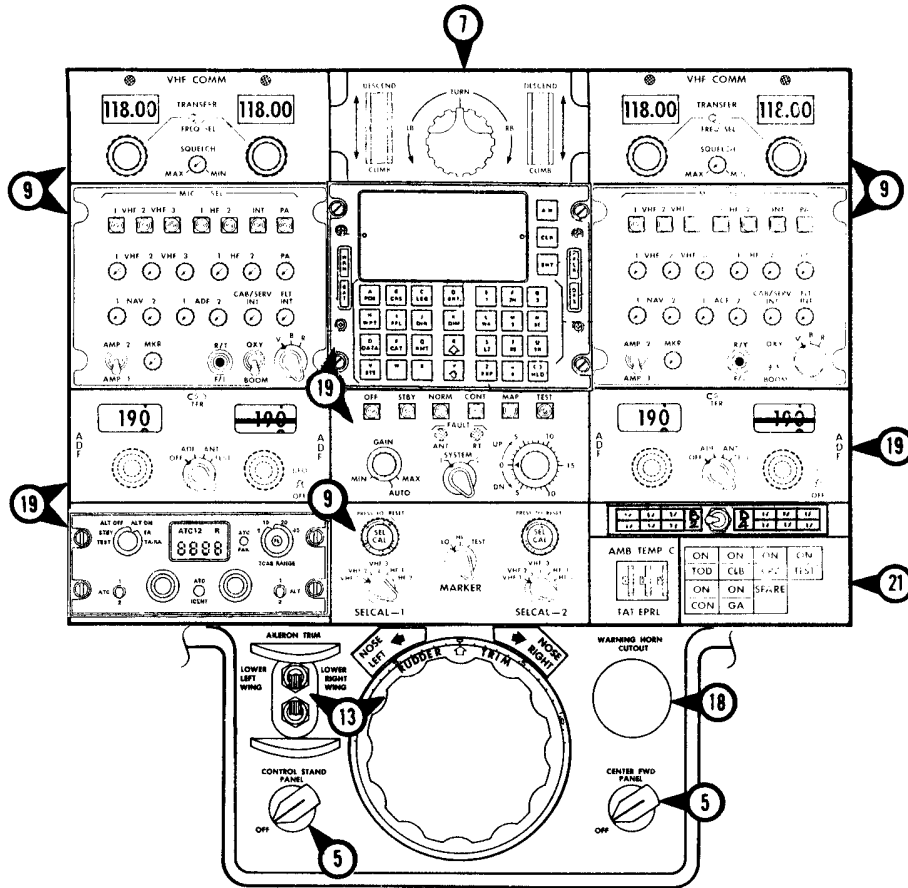
TAKE OFF STAB TRIM UNITS		GREEN BAND SELECT SWITCH
1-8	4-5	NOSE DOWN
4-6	6-9	MID
7-0	11-0	NOSE UP



Circled numbers refer to chapters where information on the item may be found.

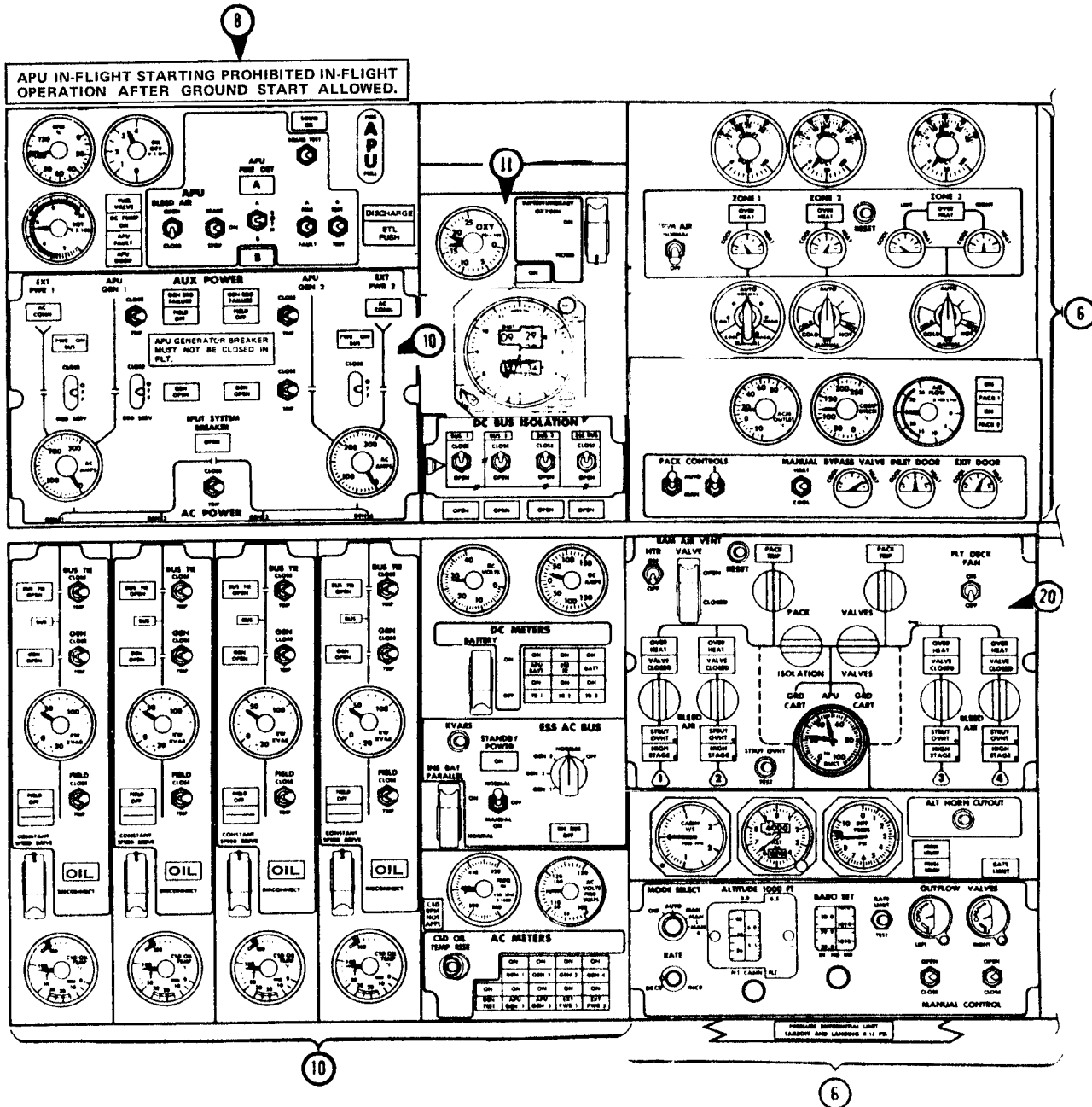
TS2050/CFE/c/REV 40 (1 JUL 02)
(COMPLETELY REVISED)

PILOTS' CONTROL STAND (LOWER HALF)



Circled numbers refer to chapters where information on the item may be found.

F/E'S INSTRUMENT PANEL – UPPER PANEL – LEFT

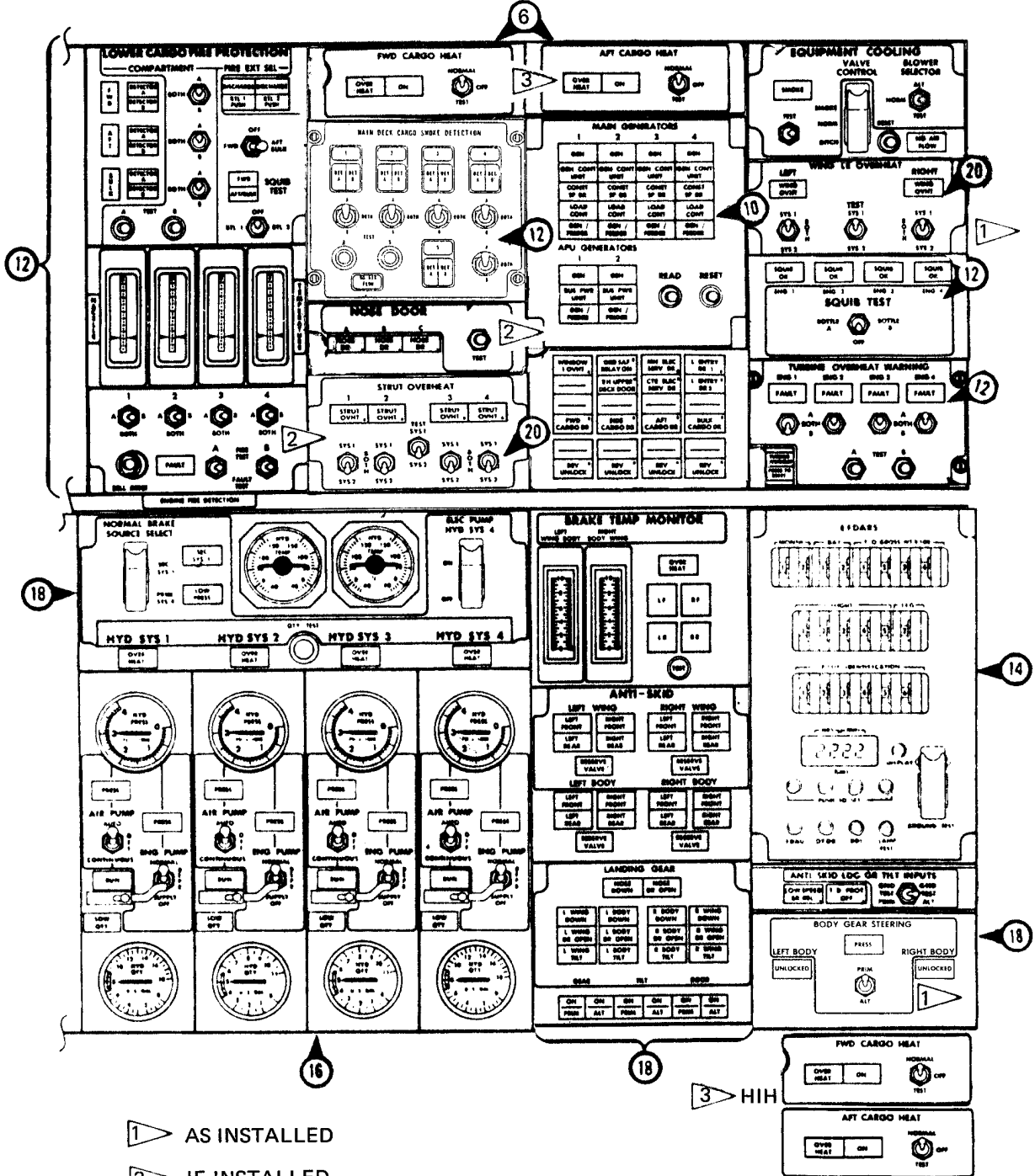


▶ HVY

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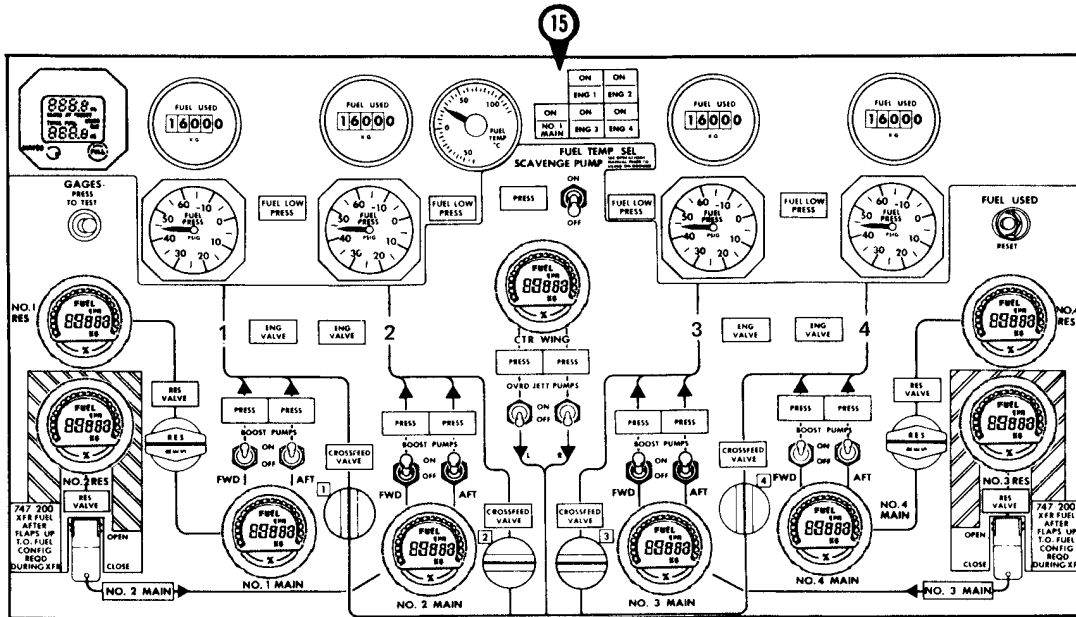
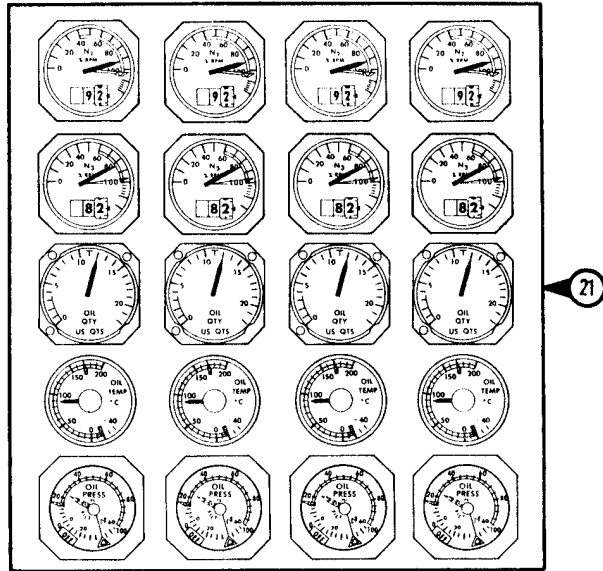
F/E'S INSTRUMENT PANEL – UPPER PANEL – RIGHT



- 1 ▷ AS INSTALLED
- 2 ▷ IF INSTALLED

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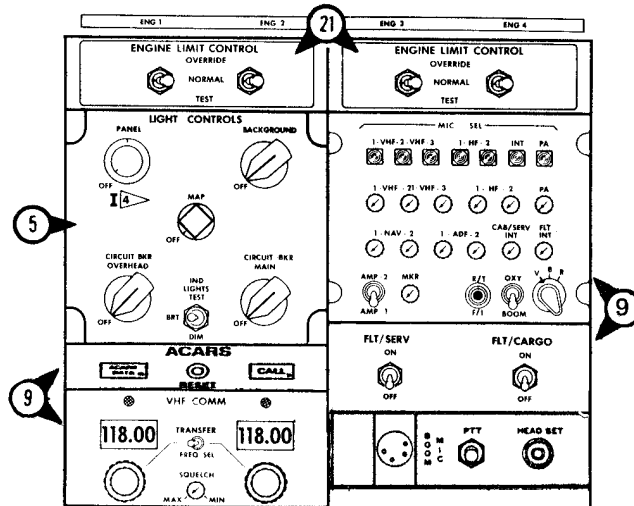
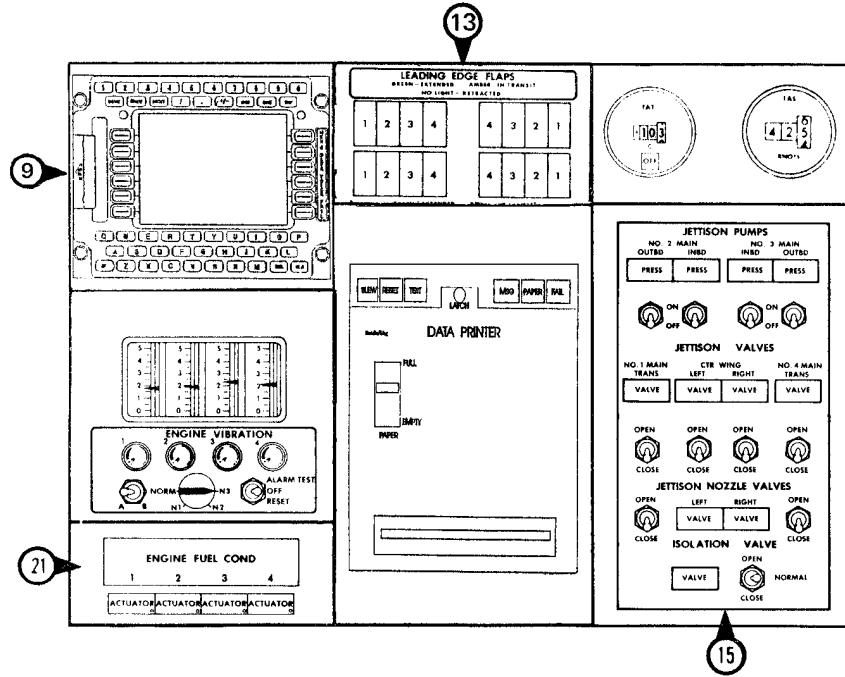
F/E'S LOWER INSTRUMENT PANELS



Circled numbers refer to chapters where information on the item may be found.

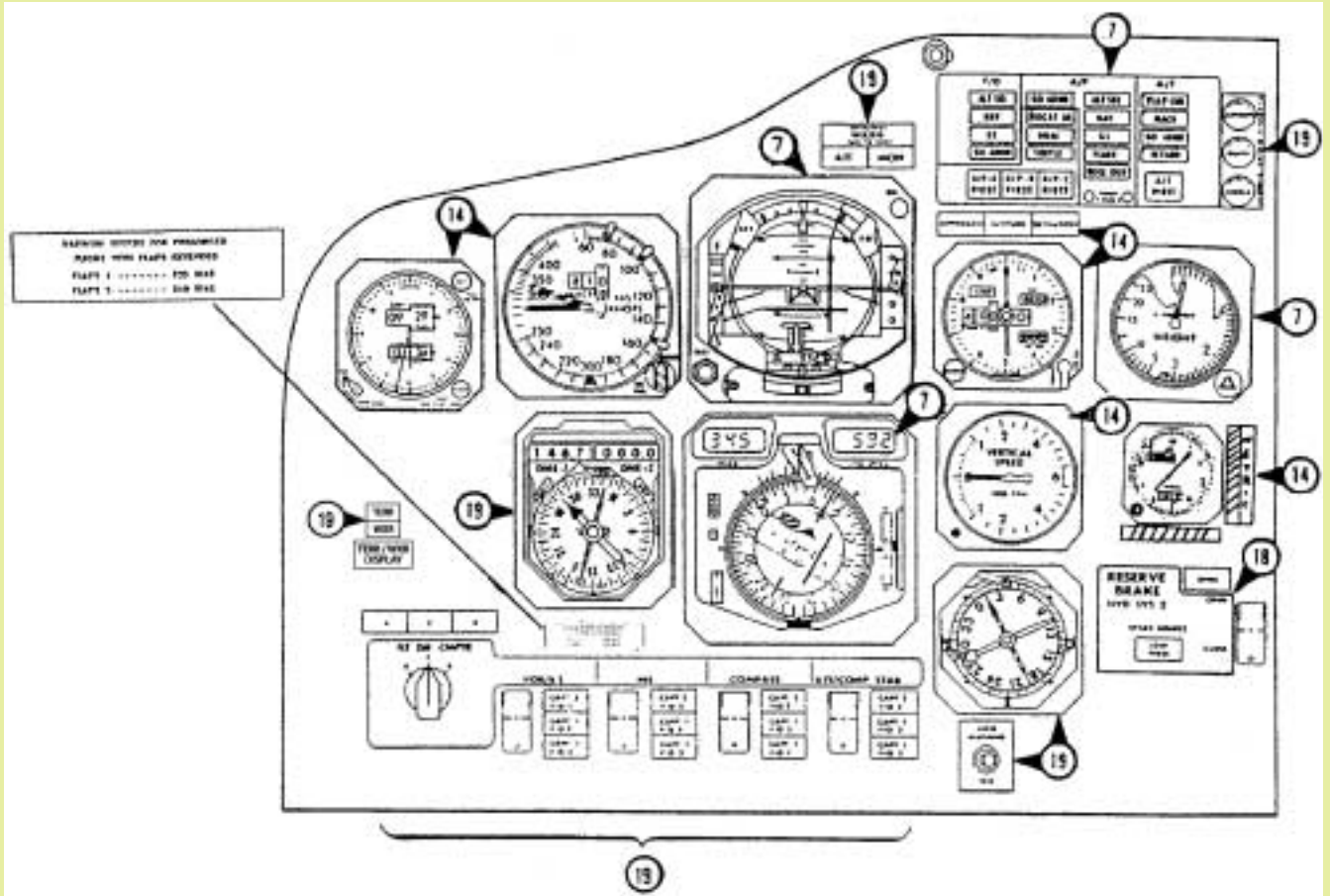
TS2050/CFE/c/REV 40 (1 JUL 02)
(COMPLETELY REVISED)

F/E'S LOWER INSTRUMENT PANELS (Cont'd)



Circled numbers refer to chapters where information on the item may be found.

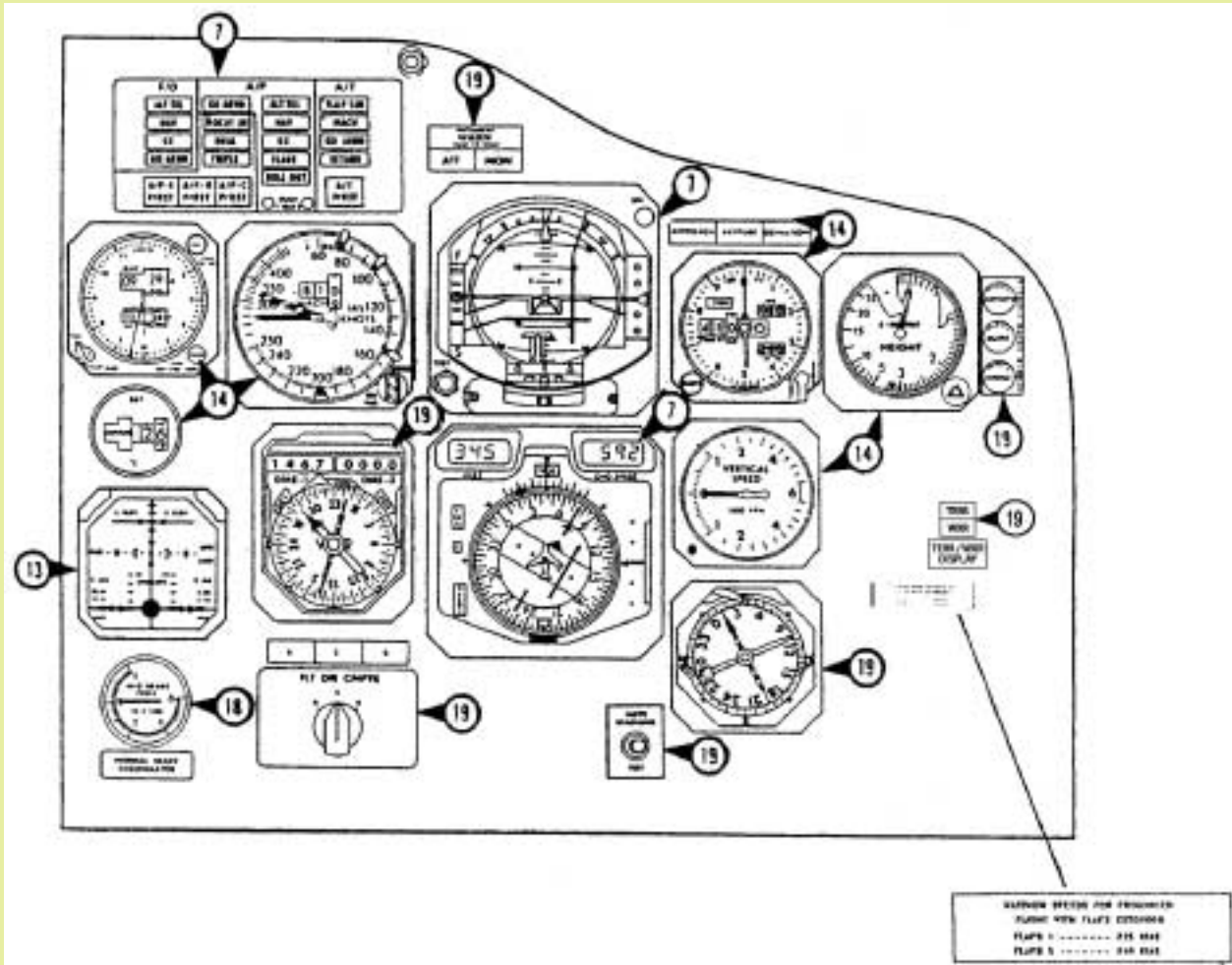
CAPT'S INSTRUMENT PANEL



Circled numbers refer to chapters where information on the item may be found.

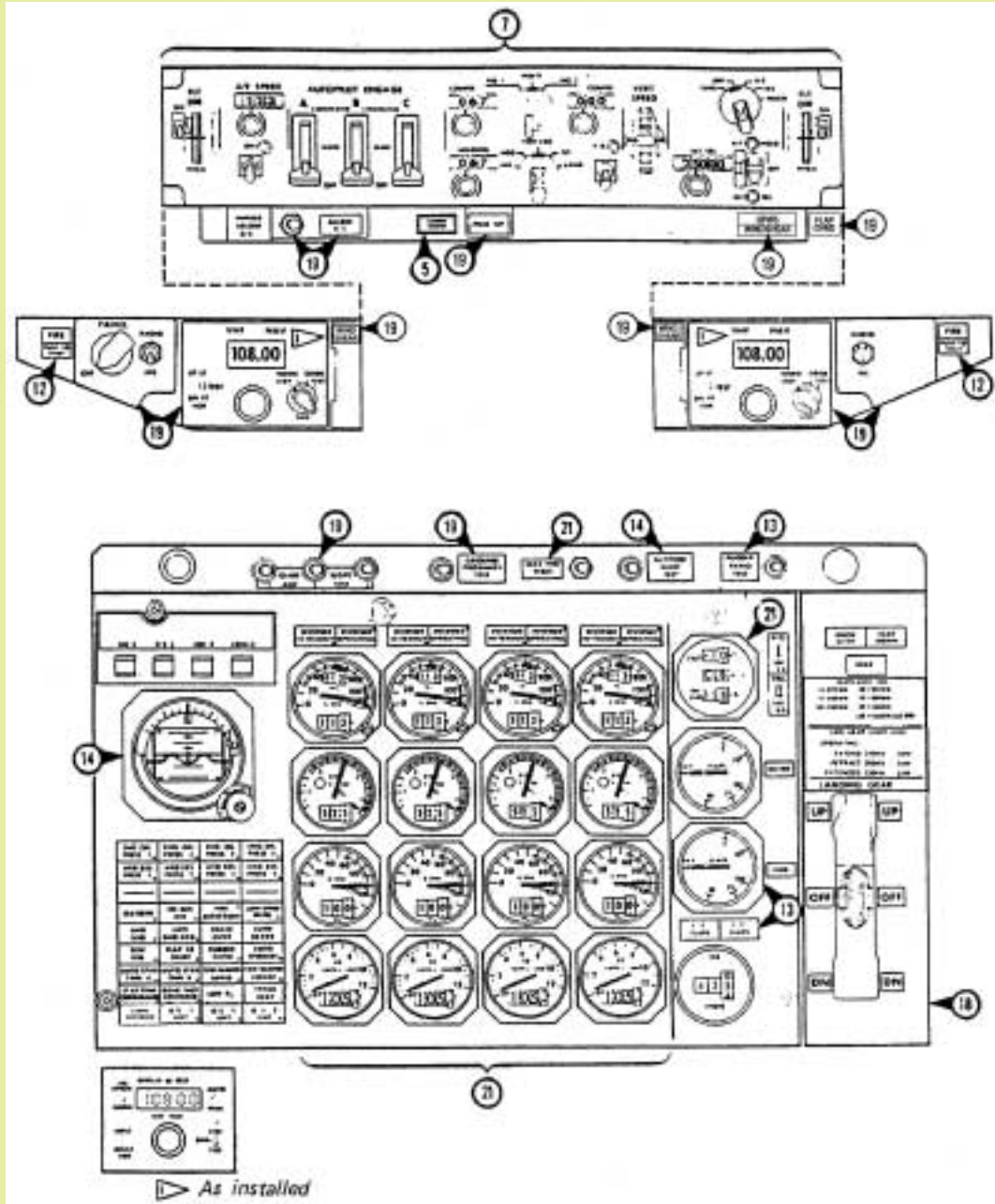
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F/O'S INSTRUMENT PANEL



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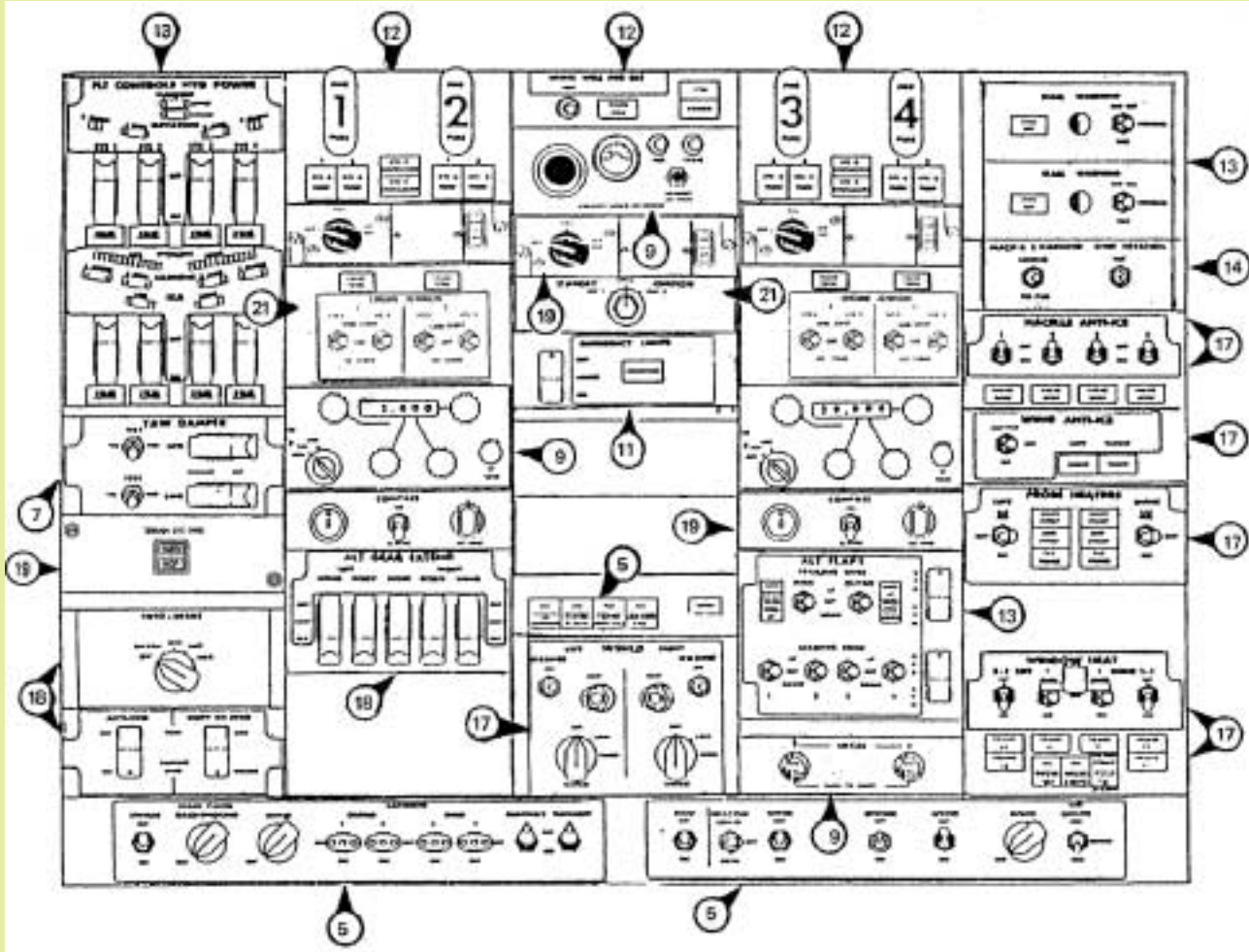
PILOT'S CENTRE INSTRUMENT PANEL AND LIGHT SHIELD



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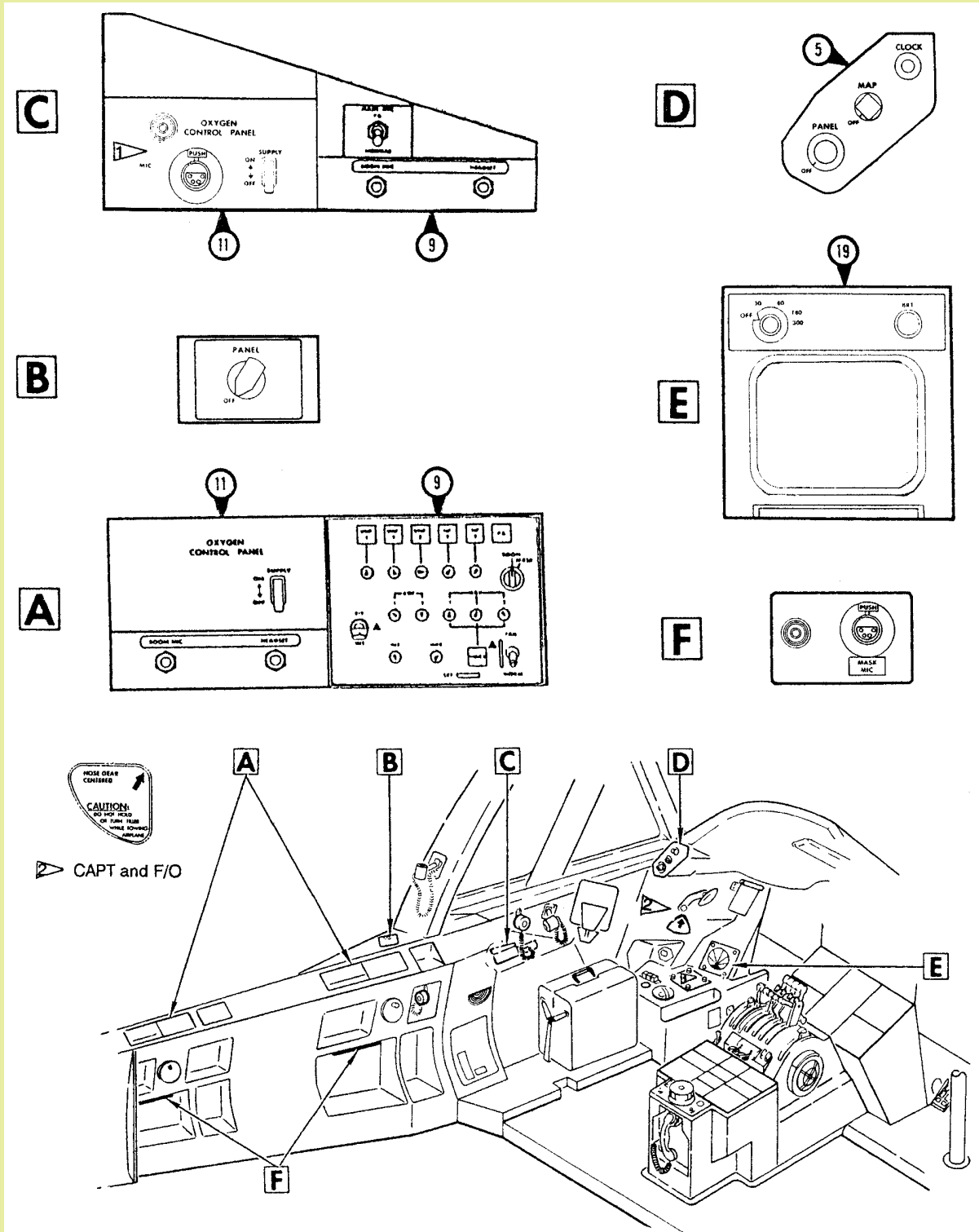
PILOTS' OVERHEAD PANEL



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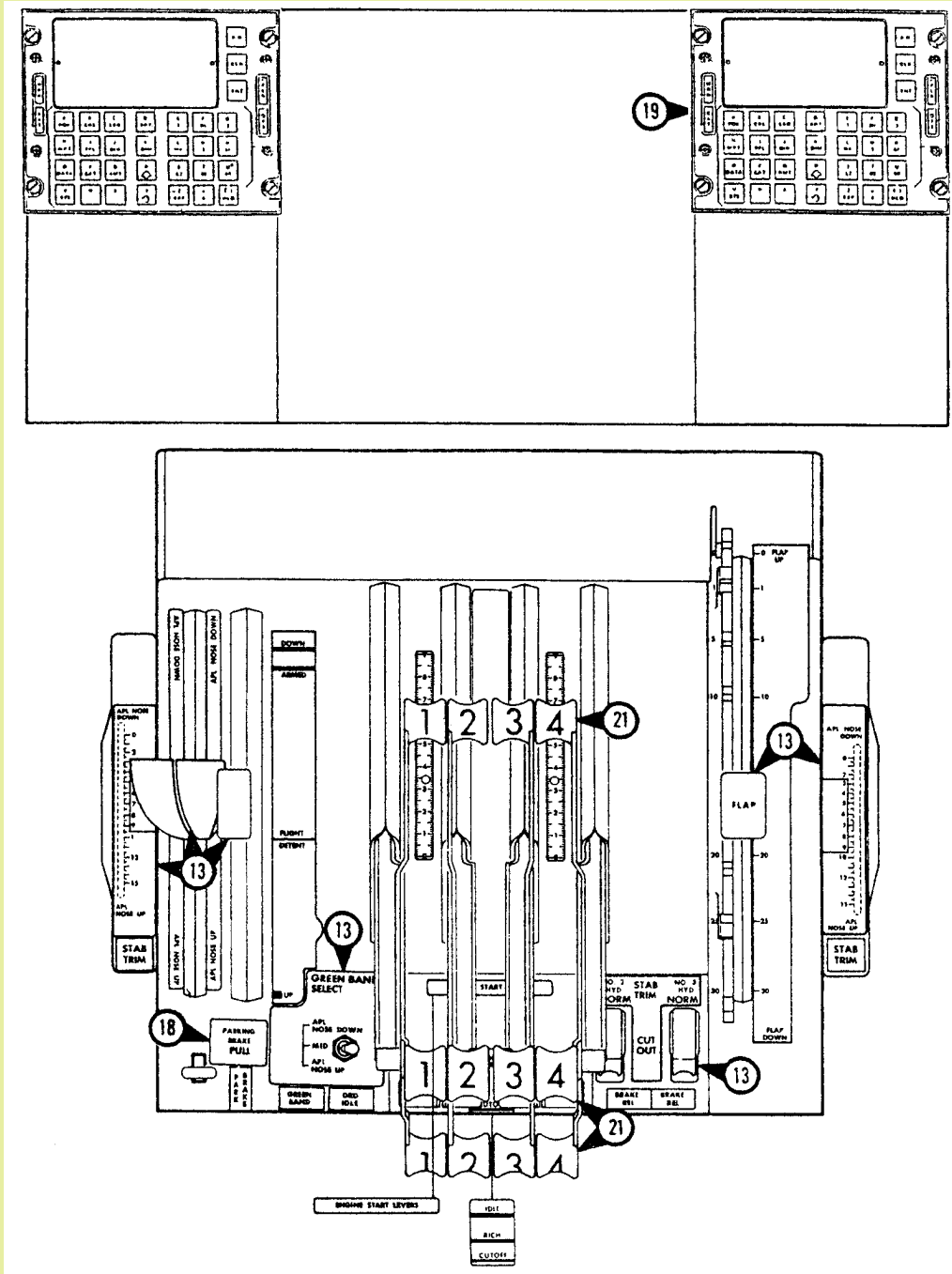
TS2050/CFE/cl/REV 40 (1 JUL 02)
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CAPT'S AND F/O'S AUXILIARY PANELS



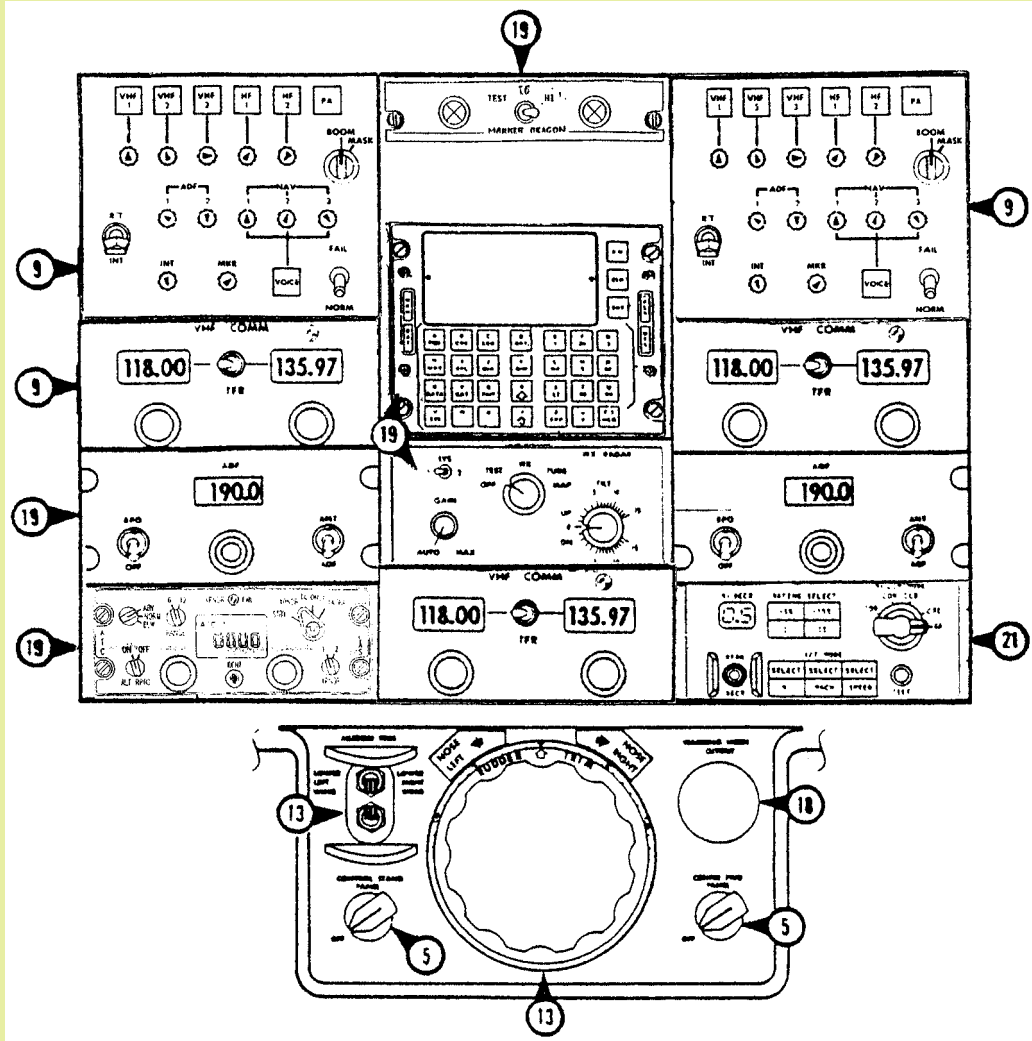
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PILOTS' CONTROL STAND (UPPER HALF)



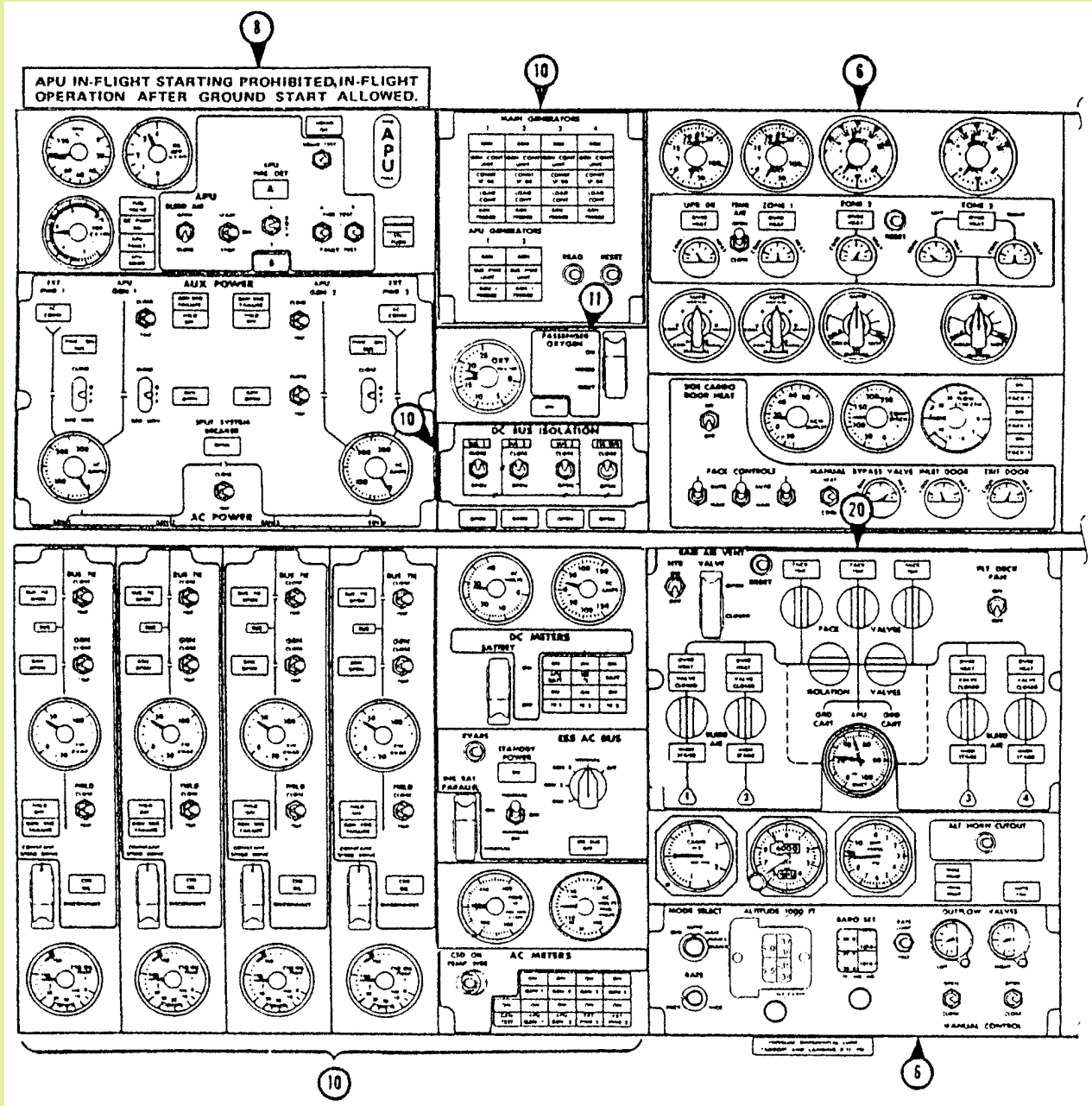
Circled numbers refer to chapters where information on the item may be found.

PILOT'S CONTROL STAND (LOWER HALF)



Circled numbers refer to chapters where information on the item may be found.

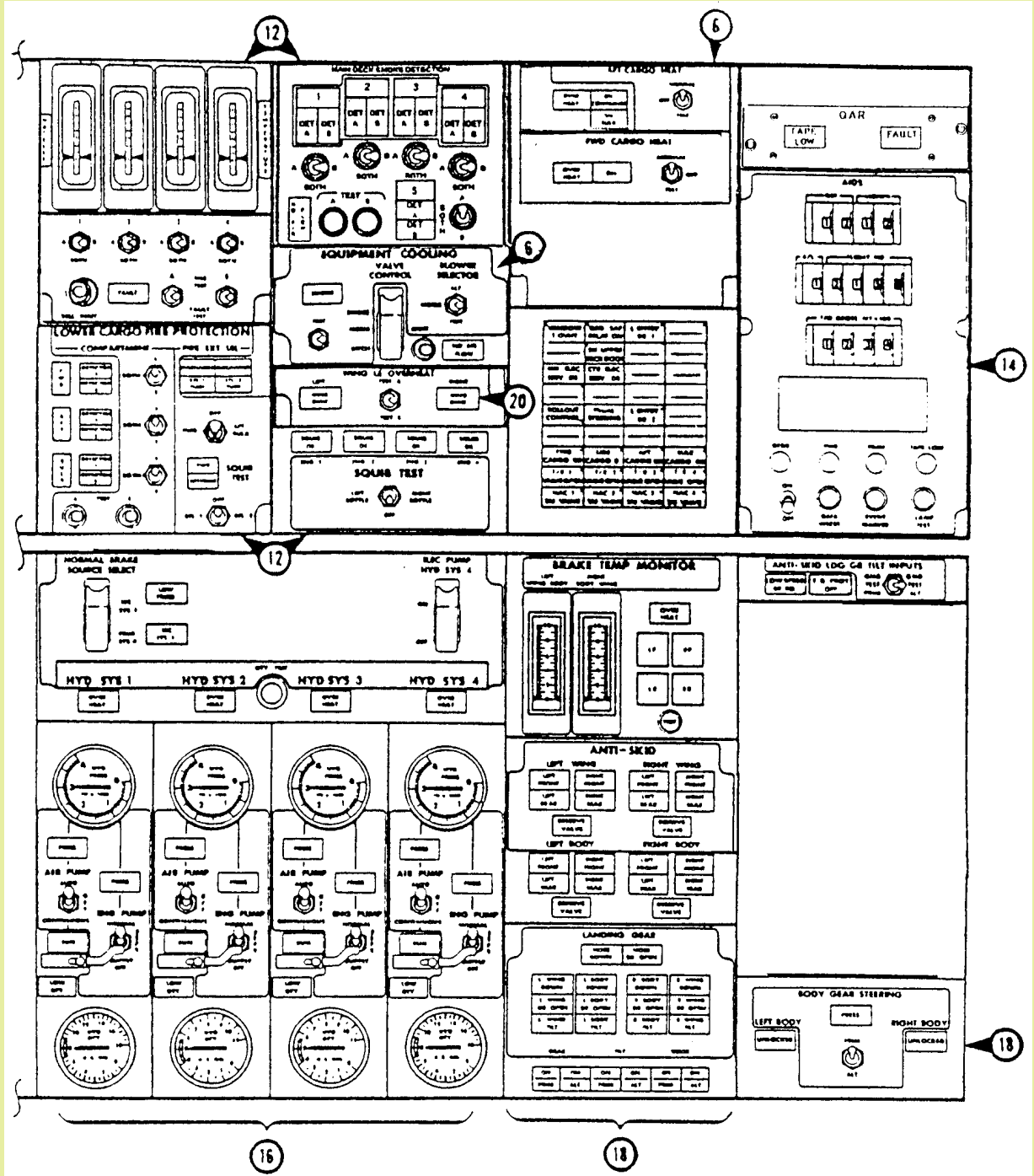
F/E'S INSTRUMENT PANEL – UPPER PANEL – LEFT



Circled numbers refer to chapters where information on the item may be found.

TS2050/CFE/cl/REV 40 (1 JUL 02)
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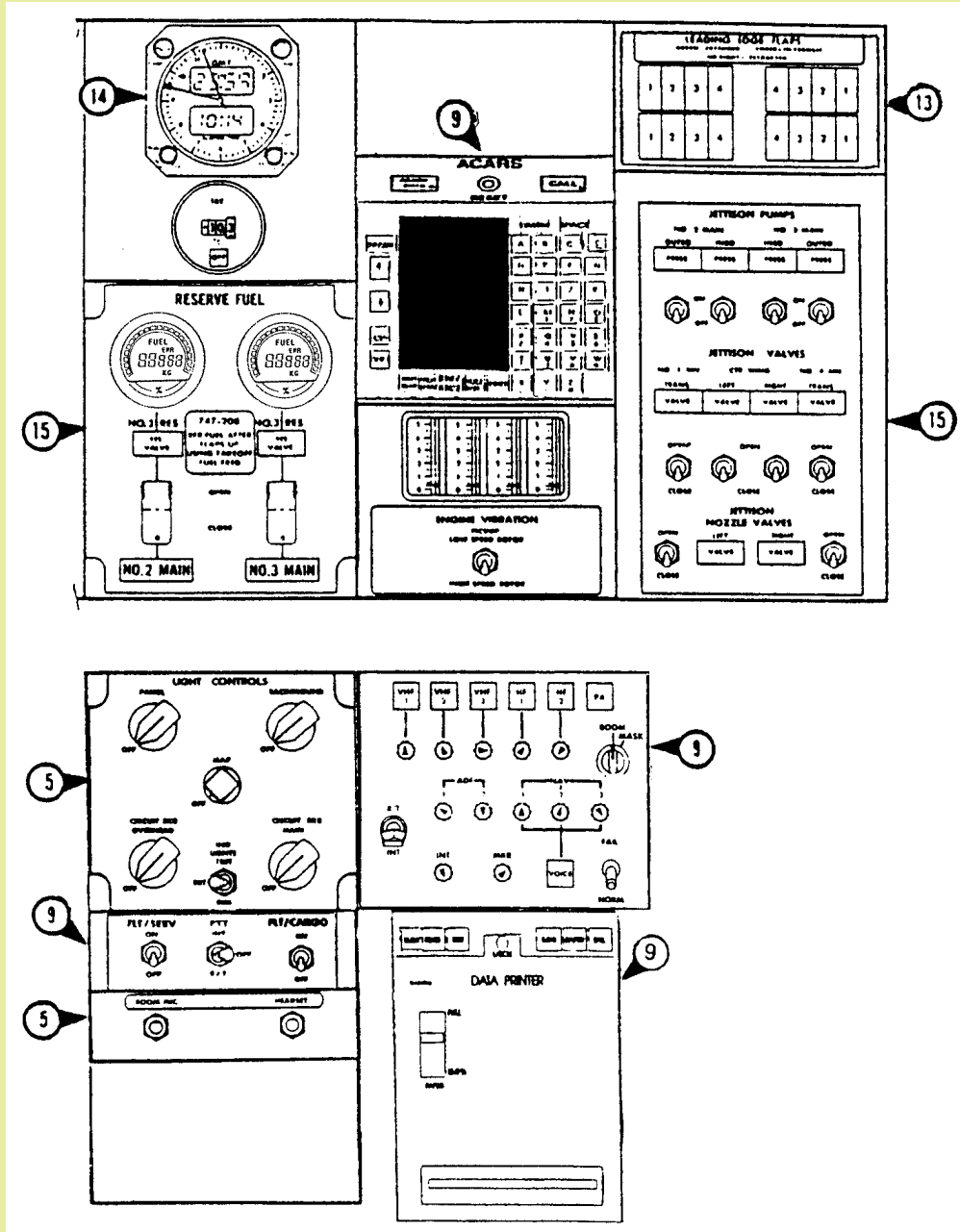
F/E'S INSTRUMENT PANEL – UPPER PANEL – RIGHT



Circled numbers refer to chapters where information on the item may be found.

TS2050/CFE/c/REV 40 (1 JUL 02)
(COMPLETELY REVISED)

F/E'S LOWER INSTRUMENT PANELS (Cont'd)

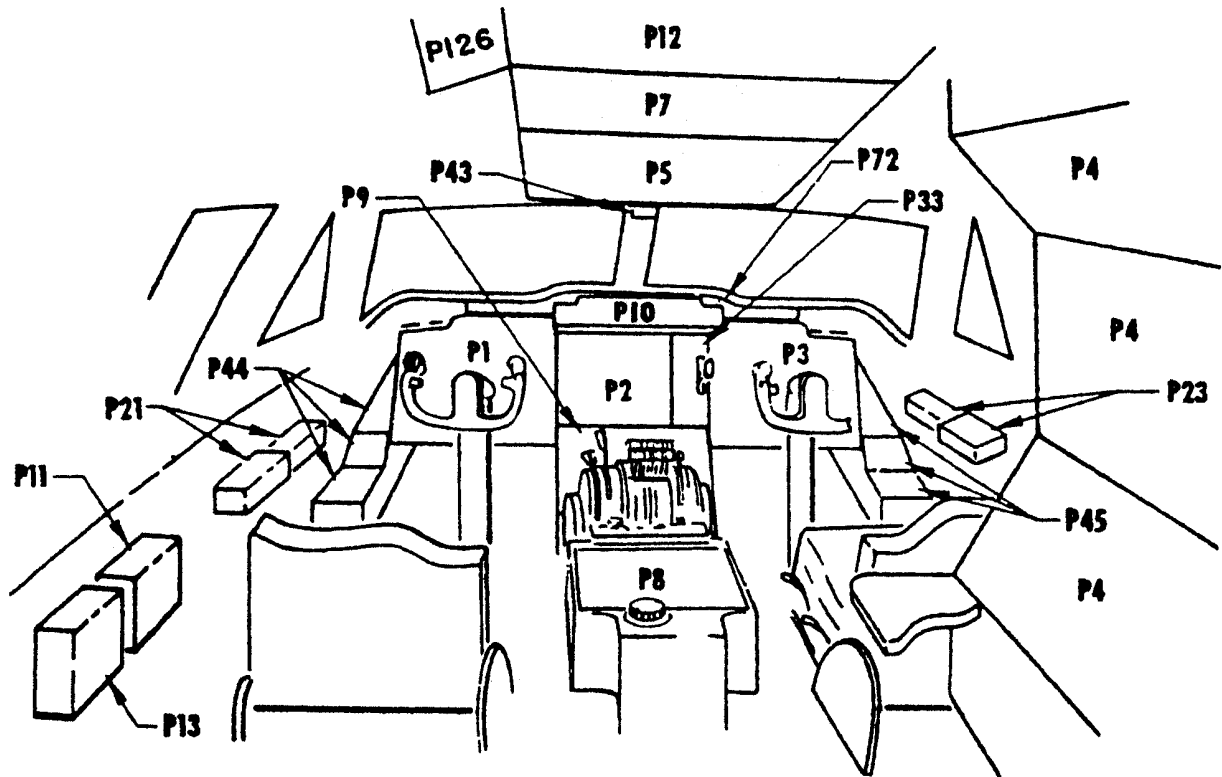


Circled numbers refer to chapters where information on the item may be found.

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COCKPIT PANELS

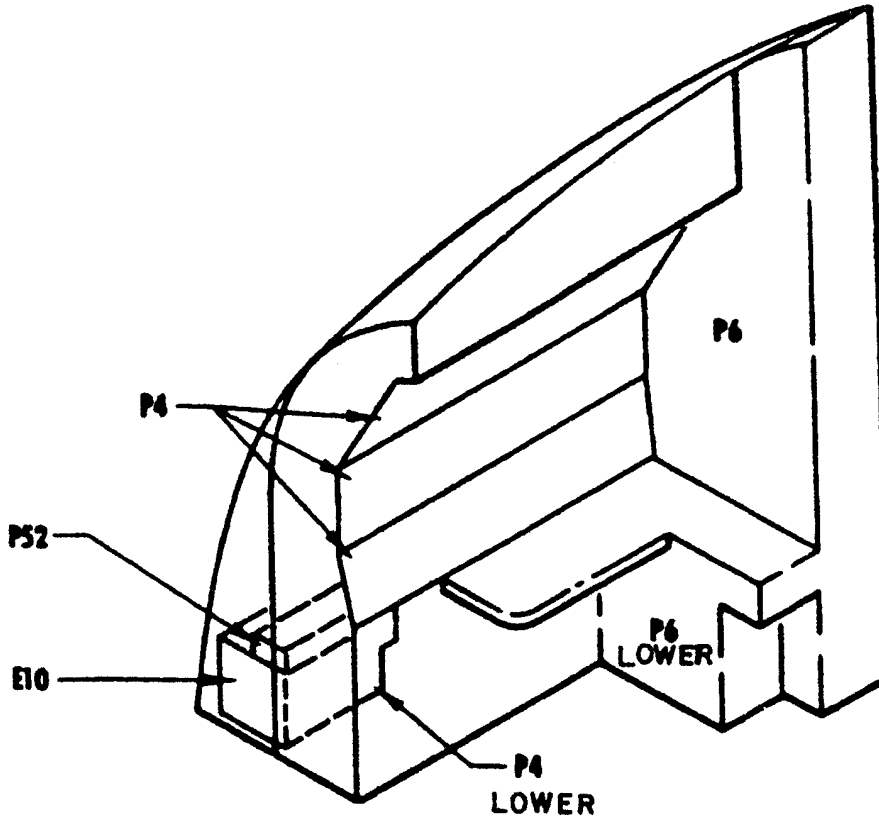
- P1 — Captain's Instrument Panel
- P2 — Pilots' Centre Instrument Panel
- P3 — First Officer's Instrument Panel
- P4 — Flight Engineer's Instrument Panel
- P5 — Pilots' Overhead Panel
- P7 — Electronic Circuit Breaker Panel
- P8 — Control Stand Electronic Panel — Aft
- P9 — Control Stand Electronic Panel — Fwd
- P10 — Pilots' Automatic Flight Control Panel
- P11 — First Observer's Panel
- P12 — Electrical Circuit Breaker Panel
- P13 — Second Observer's Panel
- P21 — Captain's Auxiliary Panel — Aft
- P23 — First Officer's Auxiliary Panel — Aft
- P33 — Pilots' Landing Gear Panel
- P43 — Standby Compass Panel
- P44 — Captain's Auxiliary Panel
- P45 — First Officer's Auxiliary Panel
- P72 — Main Instrument Light Shield Panel
- P126 — Fail Op. Bus CB Panel



CONTROL CABIN PANEL ARRANGEMENT

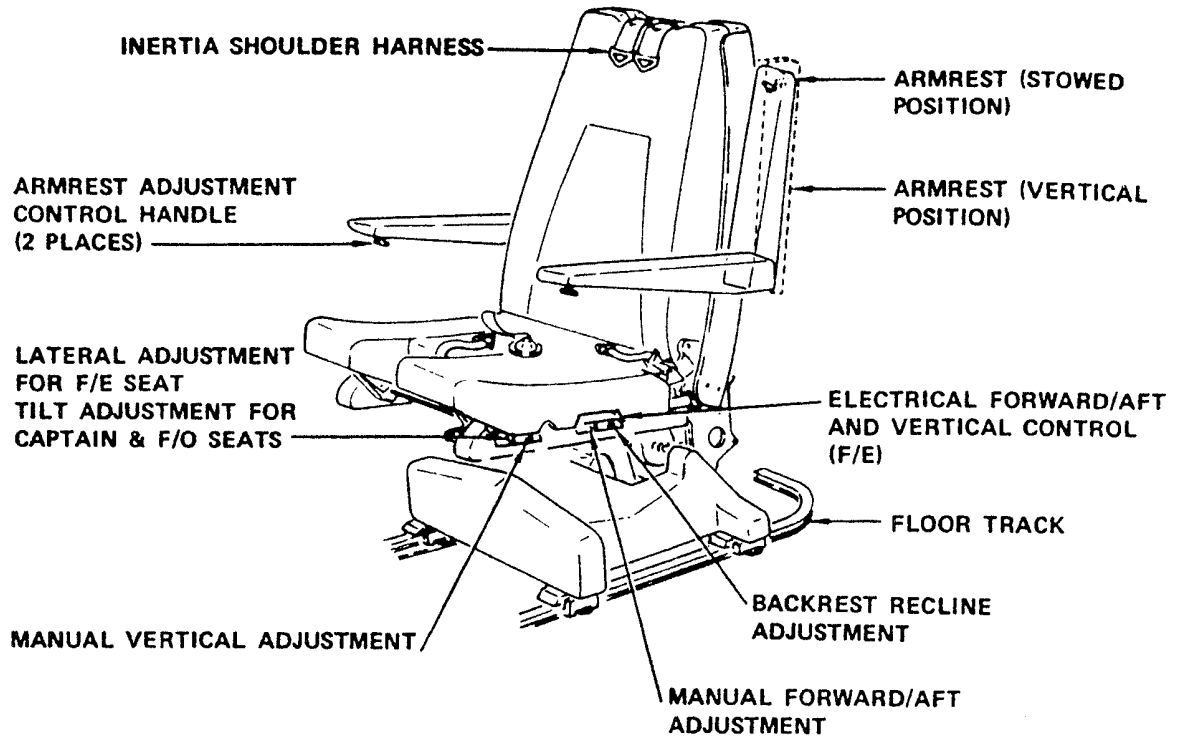
COCKPIT PANELS (Cont'd)

- E10 — Upper Equipment Centre — Right
- P4 — Flight Engineer's Instrument Panel
- P6 — Main Power Circuit Breaker Panel
- P52 — Flight Deck Equipment Panel



FLIGHT ENGINEER'S PANELS AND EQUIPMENT

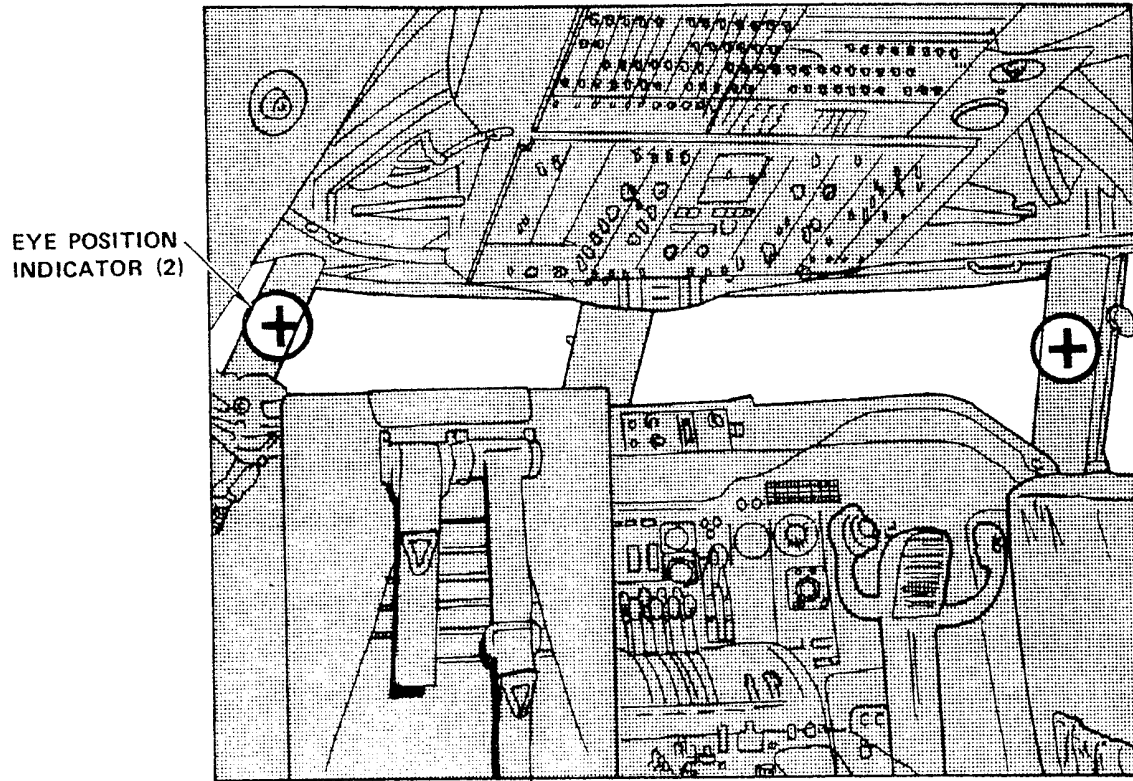
TS2050/CFE/cl/REV 40 (1 JUL 02)
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FLIGHT CREWMAN SEAT

The Capt's and F/O's seats are mounted on tracks which permit fore and aft travel of the seat. Both seats also travel outboard during the last four inches of travel. Manual adjustment controls provide for fore and aft travel, vertical travel, seat bottom tilt and backrest recline. Each armrest may be adjusted and the inboard armrests may be folded and stowed to facilitate ingress and egress of the occupant.

The F/E's seat is also track mounted for fore and aft travel. The seat is also capable of vertical and lateral travel, backrest adjustment and swivel adjustment to the left. Forward, aft and vertical travel are controlled electrically with manual backup. Lateral travel and recline adjustment are controlled manually. The swivel adjustment control handle is located under the forward right corner of the seat bottom. The seat may be swiveled to the left and locked at the 30°, 60° or 90° position. Each armrest may be adjusted and the left armrest may be folded and stowed.



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.

TS2050/CFE/cl/REV 40 (1 JUL 02)
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COCKPIT LIGHTING CONTROLS

MAIN PANEL BACKGROUND LIGHT SWITCH

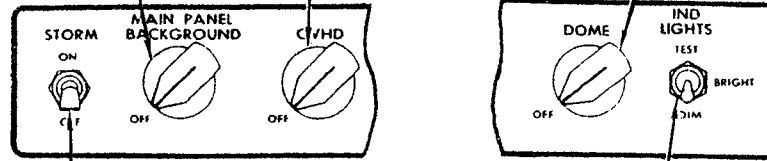
Controls intensity of Capt, F/O and centre panel background lights.

OVERHEAD LIGHT SWITCH

Controls intensity of Pilots' overhead panel edge lighting.

DOMES LIGHT SWITCH

Controls intensity of Capt and F/O dome lights.



PILOTS' OVERHEAD PANEL

STORM LIGHT SWITCH

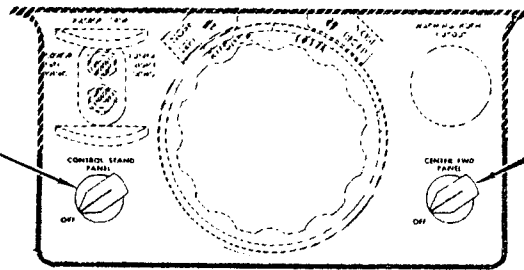
ON — Overrides background lighting switches to provide full intensity. Also turn on the dome lights.

MASTER INDICATOR LIGHTS DIM AND TEST SWITCH

TEST — Tests all indicator lights on pilots' panels except approach progress display, marker beacon and INS modules. Intensity set as desired by DIM or BRIGHT.

CONTROL STAND PANEL LIGHT SWITCH

Controls intensity of lights on pilots' control stand, forward and aft electronic panels.



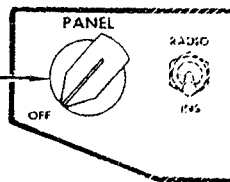
PILOTS' CONTROL STAND

CENTRE FORWARD PANEL LIGHT SWITCH

Controls intensity of edge lighting on pilots' centre panel.

PILOTS' LIGHTSHIELD LIGHT SWITCH

Controls intensity of edge lighting on lightshield.



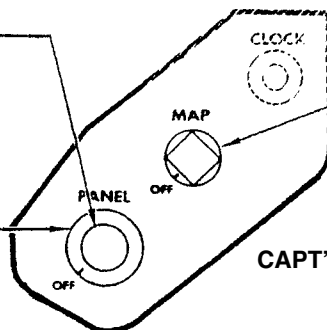
PILOTS' LIGHTSHIELD

DIGITAL LIGHT SWITCH

Controls intensity of digital displays on Capt's and F/O's instrument panels respectively.

PANEL LIGHT SWITCH

Controls intensity of edge lighting on Capt's and F/O's instrument panels respectively.

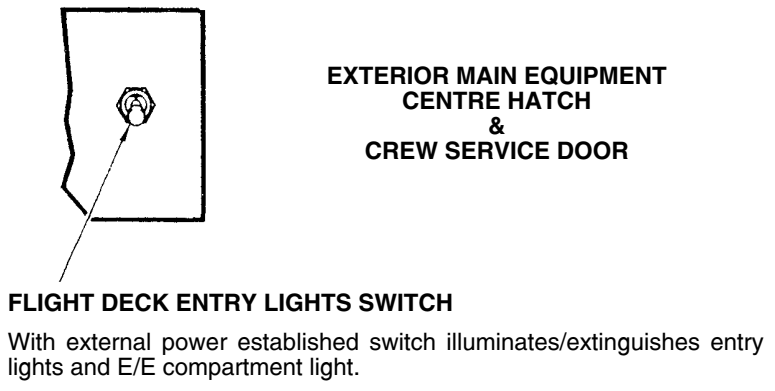
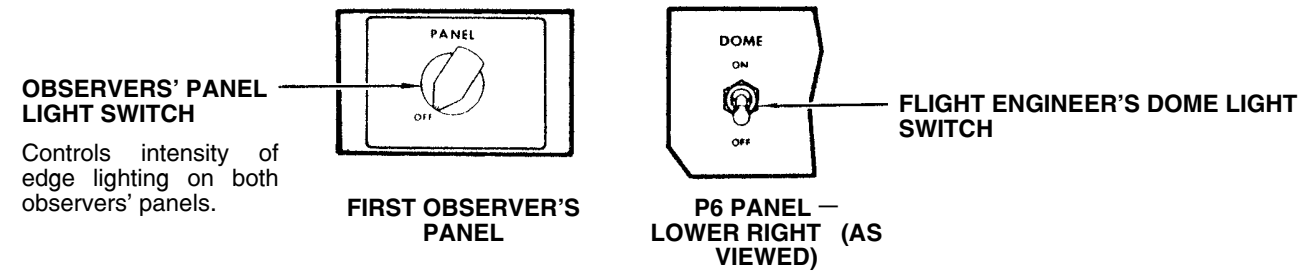
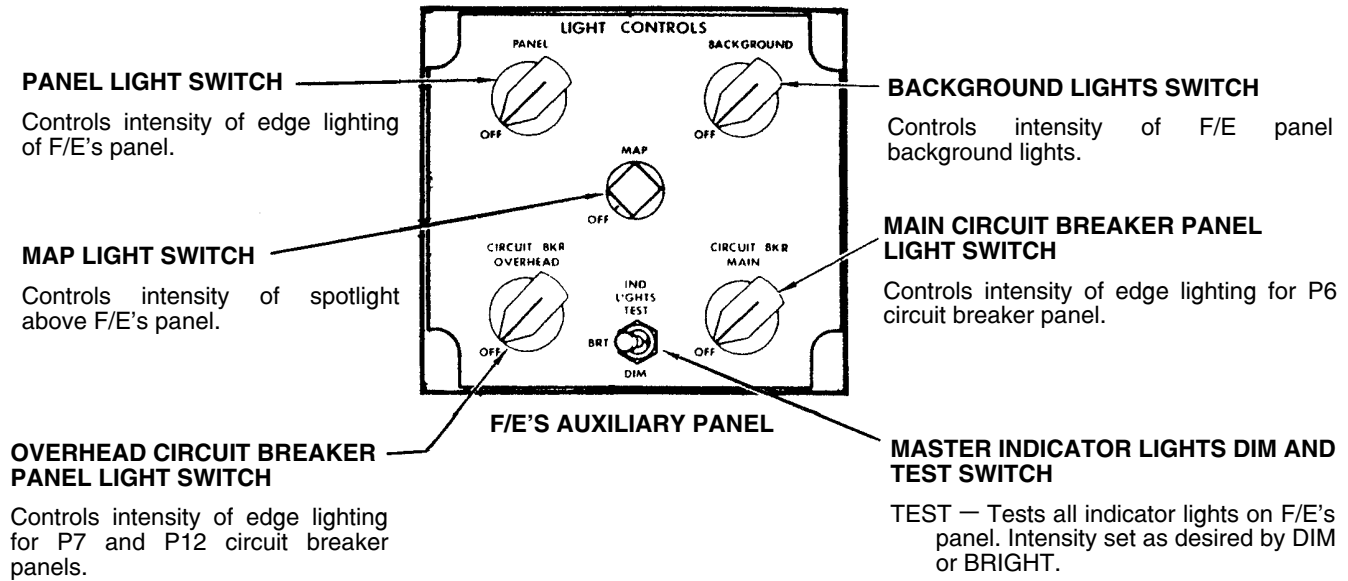


CAPT'S AND F/O'S AUXILIARY PANELS

MAP LIGHT SWITCH

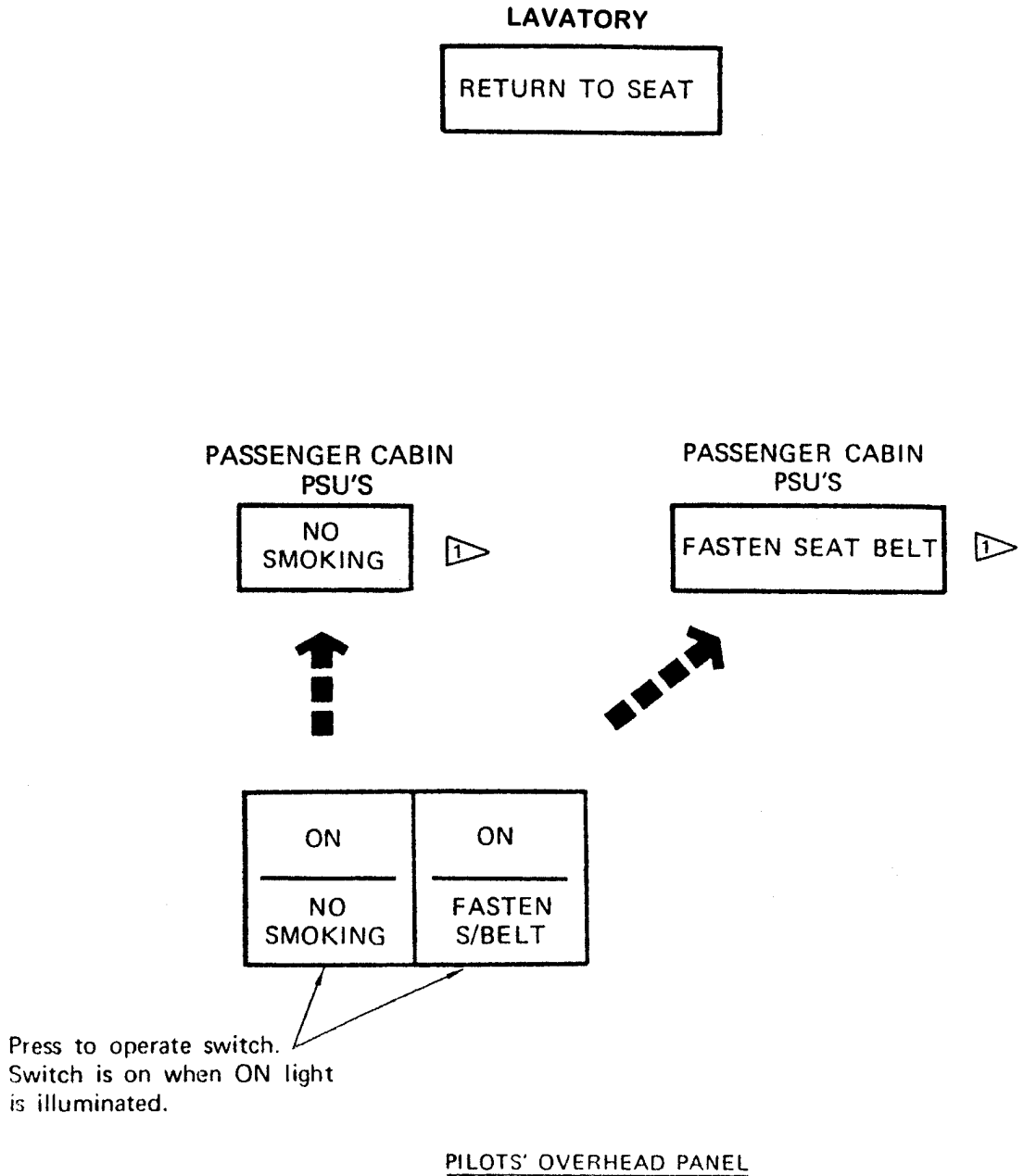
Pull out and rotate for variable intensity. Light located in ceiling.

COCKPIT LIGHTING CONTROLS (Cont'd)



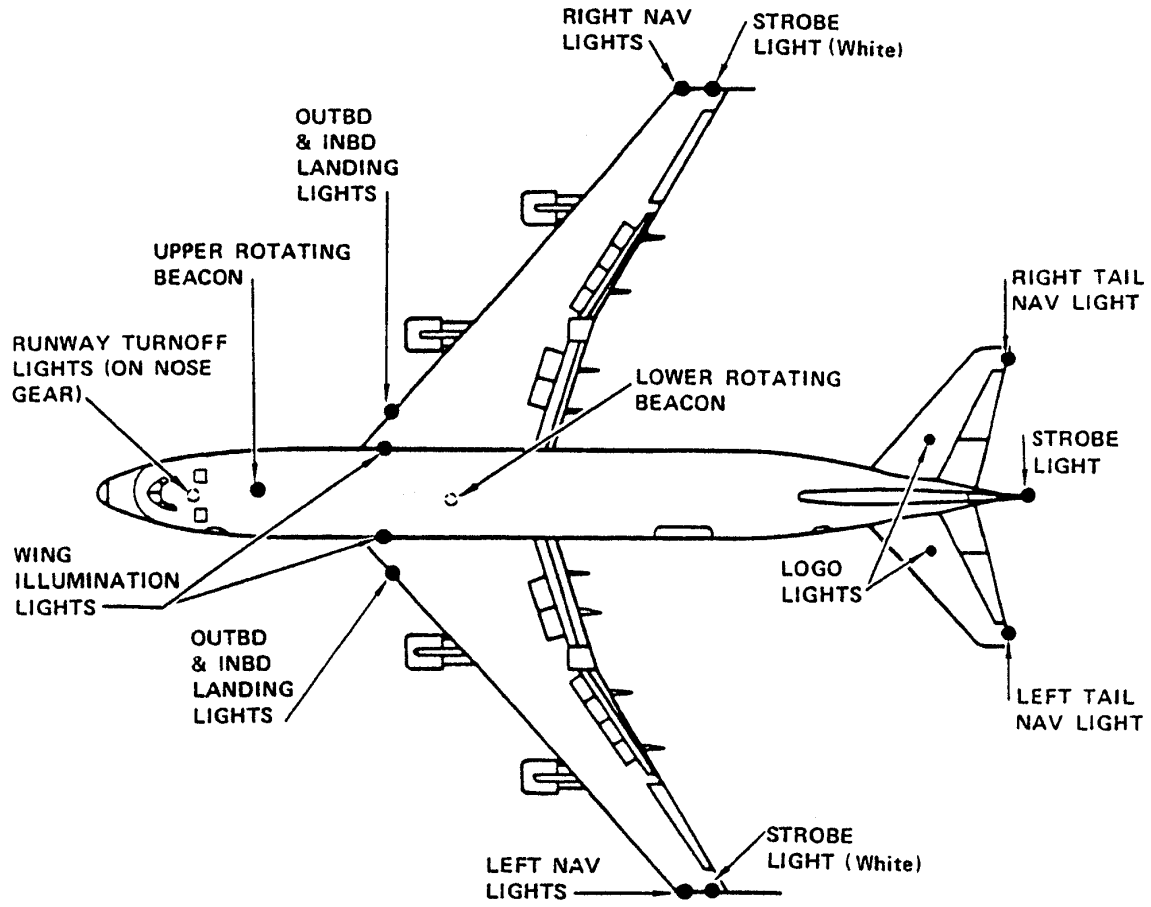
TS2050/CFE/cl/REV 40 (1 JUL 02)
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PASSENGER SIGN CONTROLS

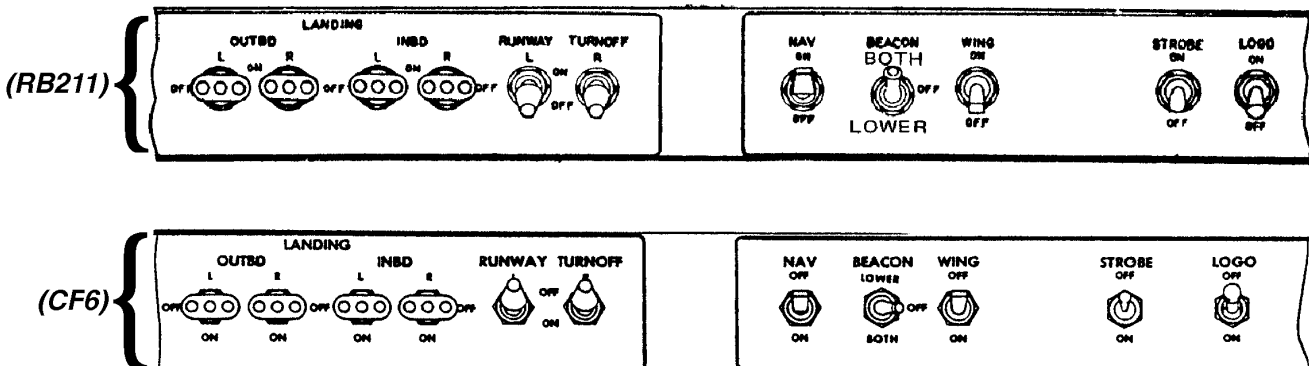


1 Applies to upper deck

EXTERIOR LIGHTING



EXTERIOR LIGHTS LOCATION



PILOTS' OVERHEAD PANEL

EXTERIOR LIGHTS CONTROLS

TS2050/CFE/c/REV 40 (1 JUL 02)
(COMPLETELY REVISED)

LIGHTING INFORMATION

Cockpit

Cockpit illumination is provided by background, panel, overhead flood, and spot lighting.

Background lights illuminate both pilots' and centre instrument panels and the F/E's panels. Controls are rotary switches which increase the intensity of incandescent lights with clockwise rotation. Further rotation, after reaching full intensity, extinguishes the incandescent lights and illuminates fluorescent lights. Placing the storm light switch to ON overrides the main control switches to provide full intensity lighting. Additional incandescent lamps powered by the battery bus will illuminate whenever normal background lighting power fails.

Variable intensity rotary switches control edge lighting for the following panels: Capt, F/O and centre panels, overhead, control stand, main and overhead circuit breaker panels, lightshield, F/E and observer's panels.

General area lighting is provided by variable and fixed intensity incandescent dome lights. The Capt, F/O and F/E lights will illuminate to full intensity with the storm light switch in the ON position. In event of loss of normal dome light power, the Capt and F/O dome lights will automatically illuminate off battery bus power.

Flight deck entry light switches at the crew service door and the main electronic equipment hatch illuminate the E/E compartment lights to provide limited access lighting when external power is established.

Overhead variable intensity map lights with individual controls are provided for the Capt, F/O and F/E. A detachable utility light is provided for each crew member and observer. The standby compass has a light switch at the top of the compass housing.

Both pilots and F/E have a test and intensity control for their respective indicator lights (except for the approach progress display, marker beacon and INS modules). In the TEST position, all indicator lights are simultaneously tested at full intensity.

Passenger Cabin Lights (Upper Deck)

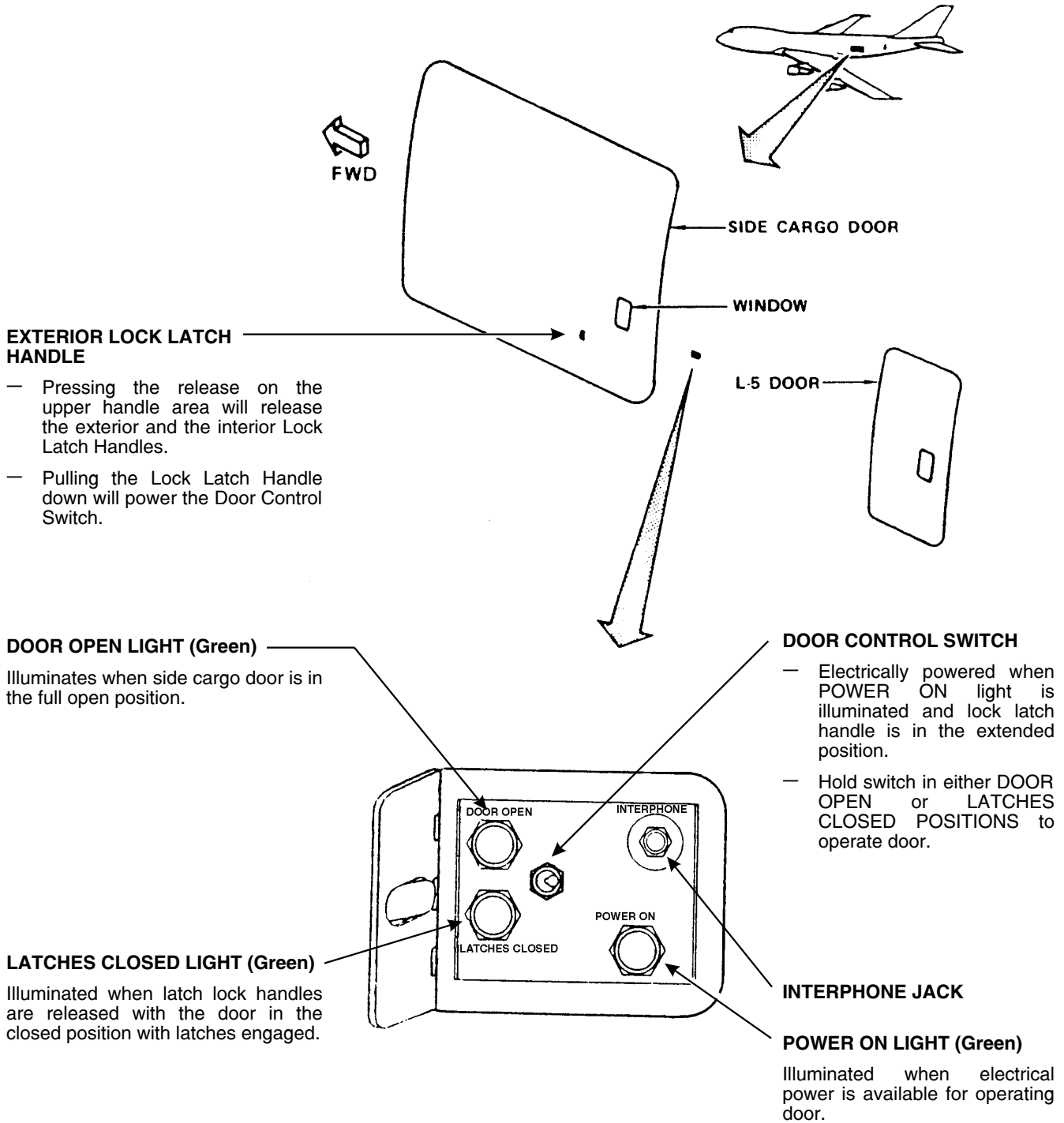
The passenger signs (NO SMOKING, FASTEN SEAT BELTS and RETURN TO SEAT) are operated by pushbutton switches on the pilots' overhead panel.

Passenger cabin lights include the following: ceiling lights and sidewall lights. The passenger cabin lights controls are located on the Cabin Attendants panel. Also located there are the Stairwell, Main Deck ceiling and sidewall controls. Individual reading lights are controlled by the passenger at the PSU.

Exterior Lights

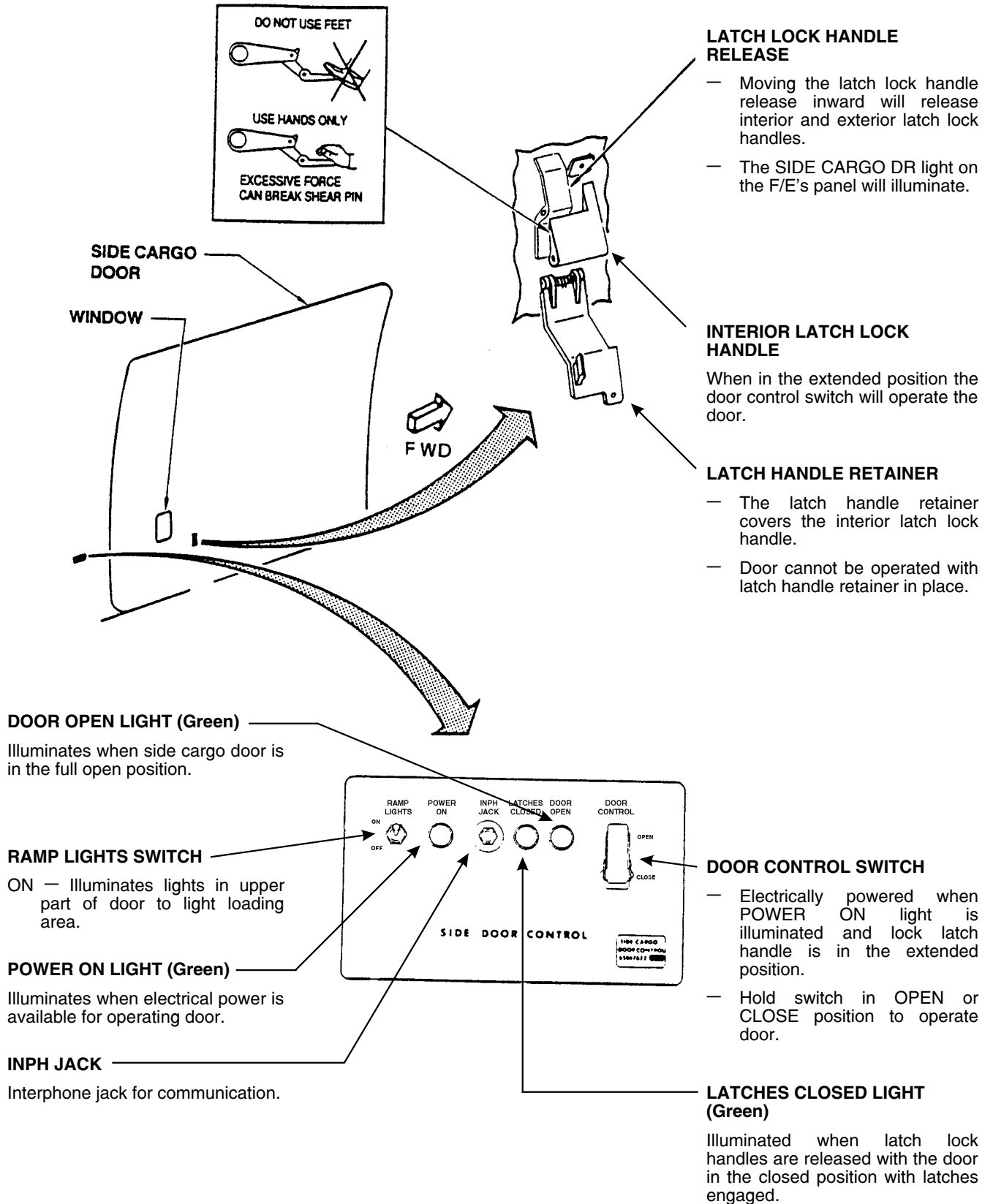
Exterior lights include the landing, runway turnoff, navigation, beacon, logo, strobe and wing illumination lights. Controls are located on the pilots' overhead panel.

EXTERIOR CONTROLS – SIDE CARGO DOOR

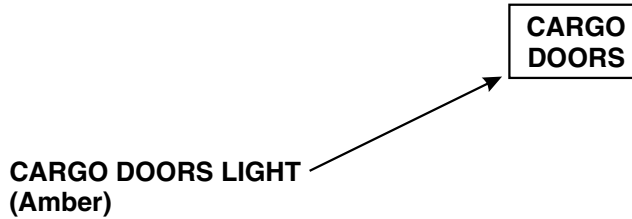


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(COMPLETELY REVISED)

INTERIOR CONTROLS – SIDE CARGO DOOR



CARGO DOORS – INDICATOR



ILLUMINATED – Repeater light indicating FWD, AFT, or SIDE cargo doors light at the Flight Engineer's panel is illuminated.

**PILOTS' LIGHTSHIELD
PANEL**

NOSE CARGO DOOR (IF FITTED)

The nose cargo door is operated electrically from the main deck nose door control panel. Electrical power is supplied from the main deck ground handling bus.

A latch actuator test panel is located on the right side of the nose door. It is used to determine the open or closed condition of the latches, by means of internal switches within the latch actuators.

A nose cargo door latch annunciator panel is on the left side of the nose door. This annunciator provides LATCHED (green) and NOT LCHD (amber) lights for the individual latches (16). The NOT LCHD indicators are divided in three groups to provide unlatched signal(s) to the appropriate NOSE DR light(s) on the F/E's panel.

A mechanical means of operation is provided for use when the electrical system power is not available.

CARGO DOORS LIGHT (IF INSTALLED)

A CARGO DOORS light is located on the pilots centre instrument panel. This light illuminates when any FWD, AFT or SIDE (-200F) CARGO DOOR light illuminates on the F/E's upper panel.

OPERATORS PANEL WARNING LIGHTS

Four Amber Warning Lights each monitor a phase of door closure i.e. a light extinguishes as the door is latched, locked and closed. The final light extinguishes as the Auxiliary Door is closed. One Green Door latched light extinguishes when the door is closed, latched and the master lock handle is stowed in its housing.

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(COMPLETELY REVISED)

NOSE DOOR – CONTROLS AND INDICATORS (IF FITTED)

