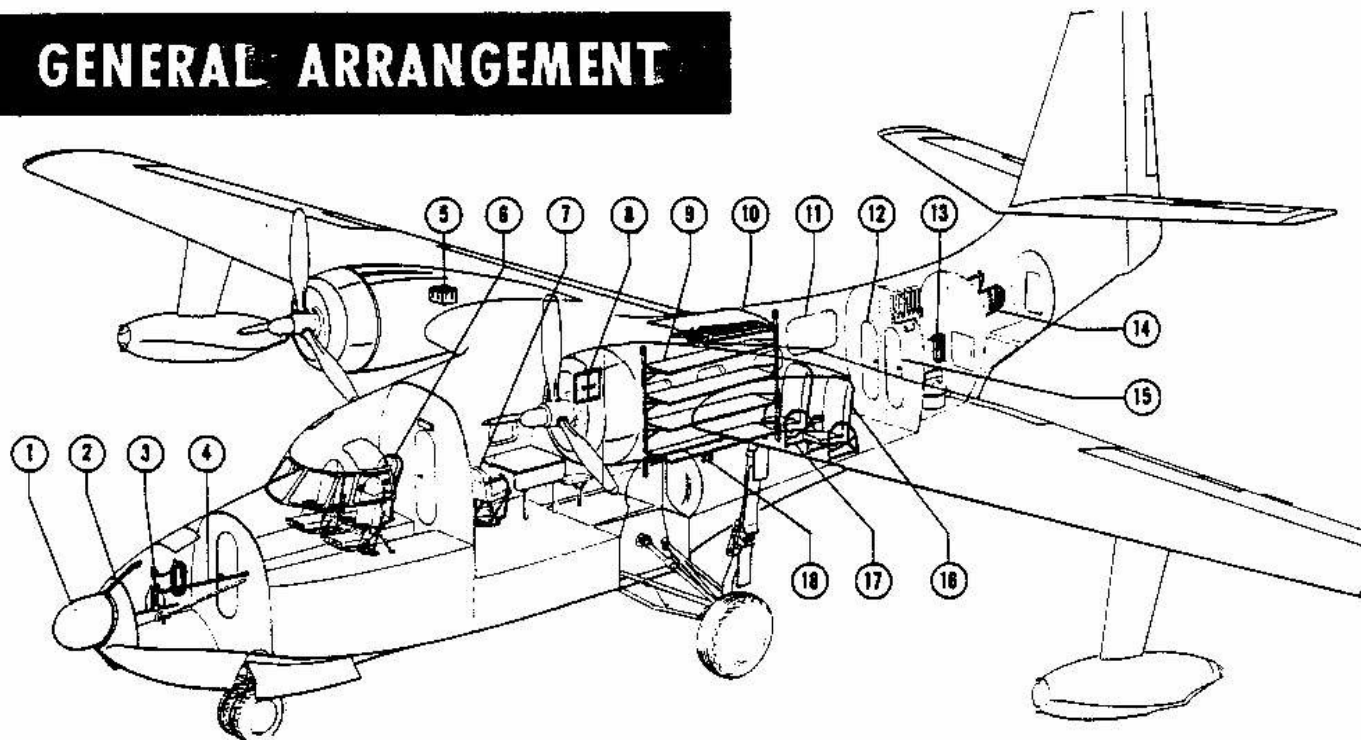
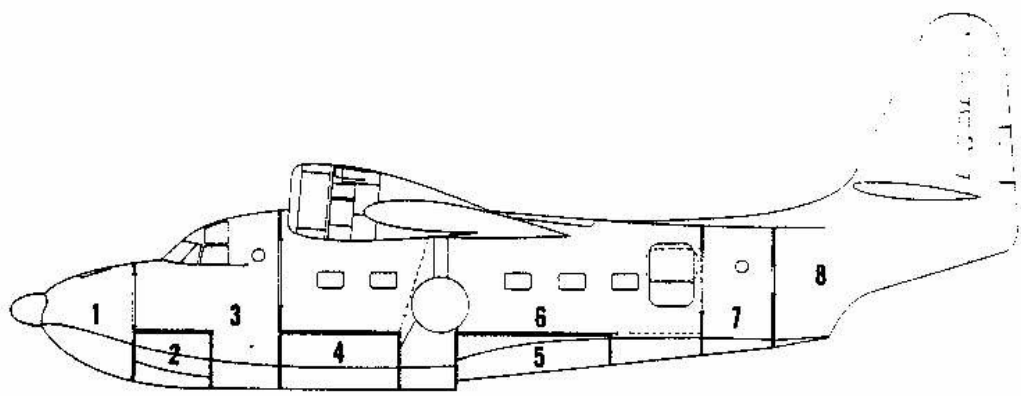


GENERAL ARRANGEMENT



- | | | |
|-------------------------------|---|-------------------------------------|
| 1. Radome | 7. Radar-Navigator's Station | 13. Portable Bilge Pumps |
| 2. Bow Pendant (Mooring Line) | 8. Food Storage Locker (L/R Wheel Wells) | 14. Sea Rescue Platform (Stowed) |
| 3. Anchor (Stowed) | 9. Litters | 15. Toilet Compartment |
| 4. Boat Hook and Mooring Hook | 10. Cargo Hatch with Stowed Boarding Ladder | 16. Seat used by Medical Technician |
| 5. Battery | 11. Emergency Exit Door | 17. Seat used by Flight Mechanic |
| 6. Radio Operator's Station | 12. APU Compartment | 18. External Power Receptacle |

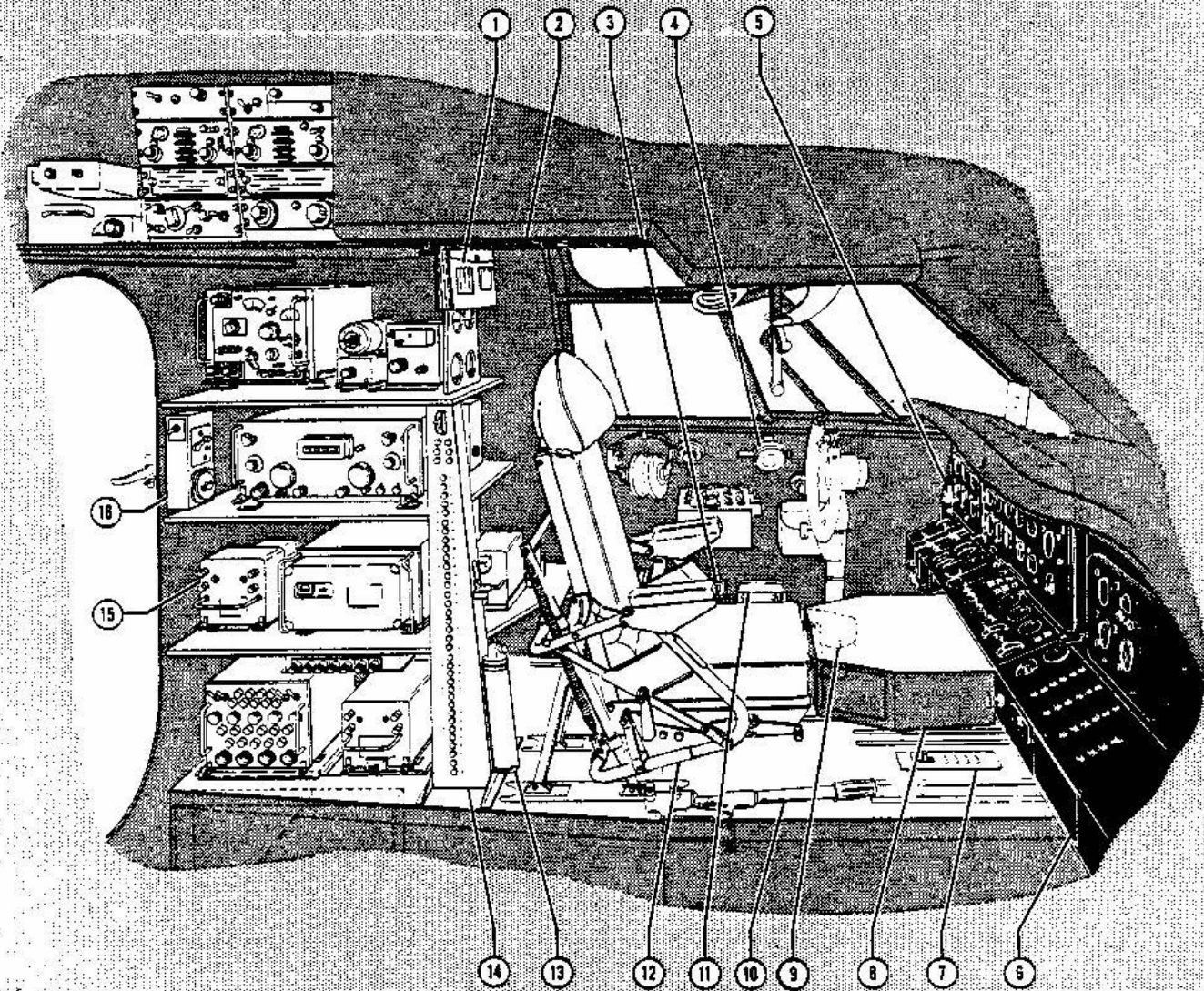


- | | |
|--------------------------------------|--|
| 1. Bow Compartment | 6. Cabin Compartment |
| 2. Nose Wheel Compartment | 7. APU Compartment Right Side and Toilet Compartment Left Side |
| 3. Flight Deck Compartment | 8. Tail Cone Compartment |
| 4. Forward Float Section Compartment | |
| 5. Aft Float Section Compartment | |

ACI-8

Figure 1-2

TYPICAL FLIGHT DECK - Left Side

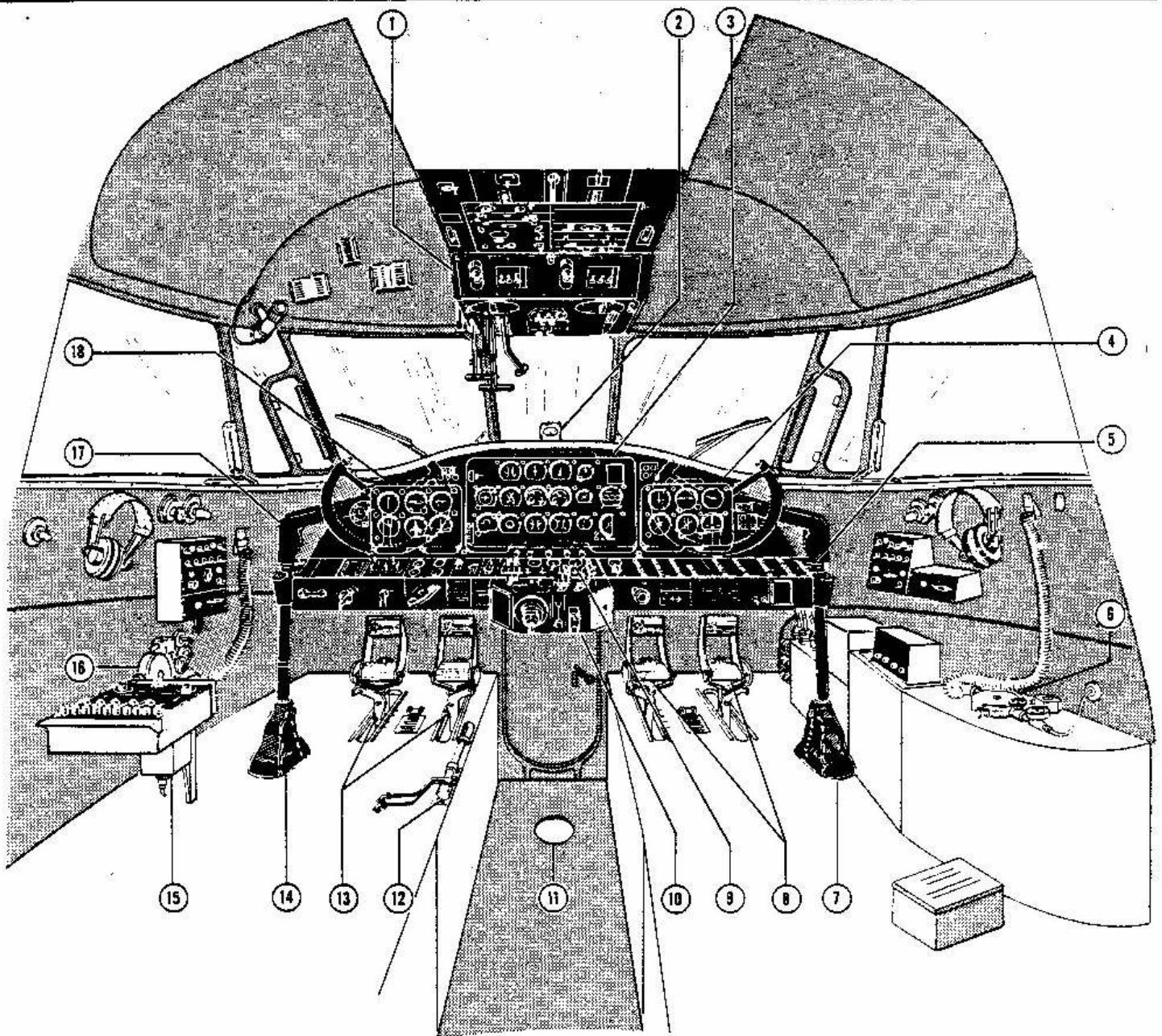


- | | |
|------------------------------------|---|
| 1. Map Case | 9. Pyrotechnic Pistol |
| 2. Overhead Control Panel | 10. Hydraulic Hand Pump |
| 3. Pilot's Oxygen Demand Regulator | 11. Aircraft Signal Storage Rack |
| 4. Pilot's Microphone Stowed | 12. Pilot's Seat |
| 5. Instrument Panel | 13. Portable Fire Extinguisher |
| 6. Main Console | 14. Circuit Breaker Panel |
| 7. Pilot's Heater Outlet | 15. Communications Equipment |
| 8. Pedestal | 16. Temperature and Cabin Air Control Box |

ACI-9

Figure 1-3

TYPICAL FLIGHT DECK - Looking Forward

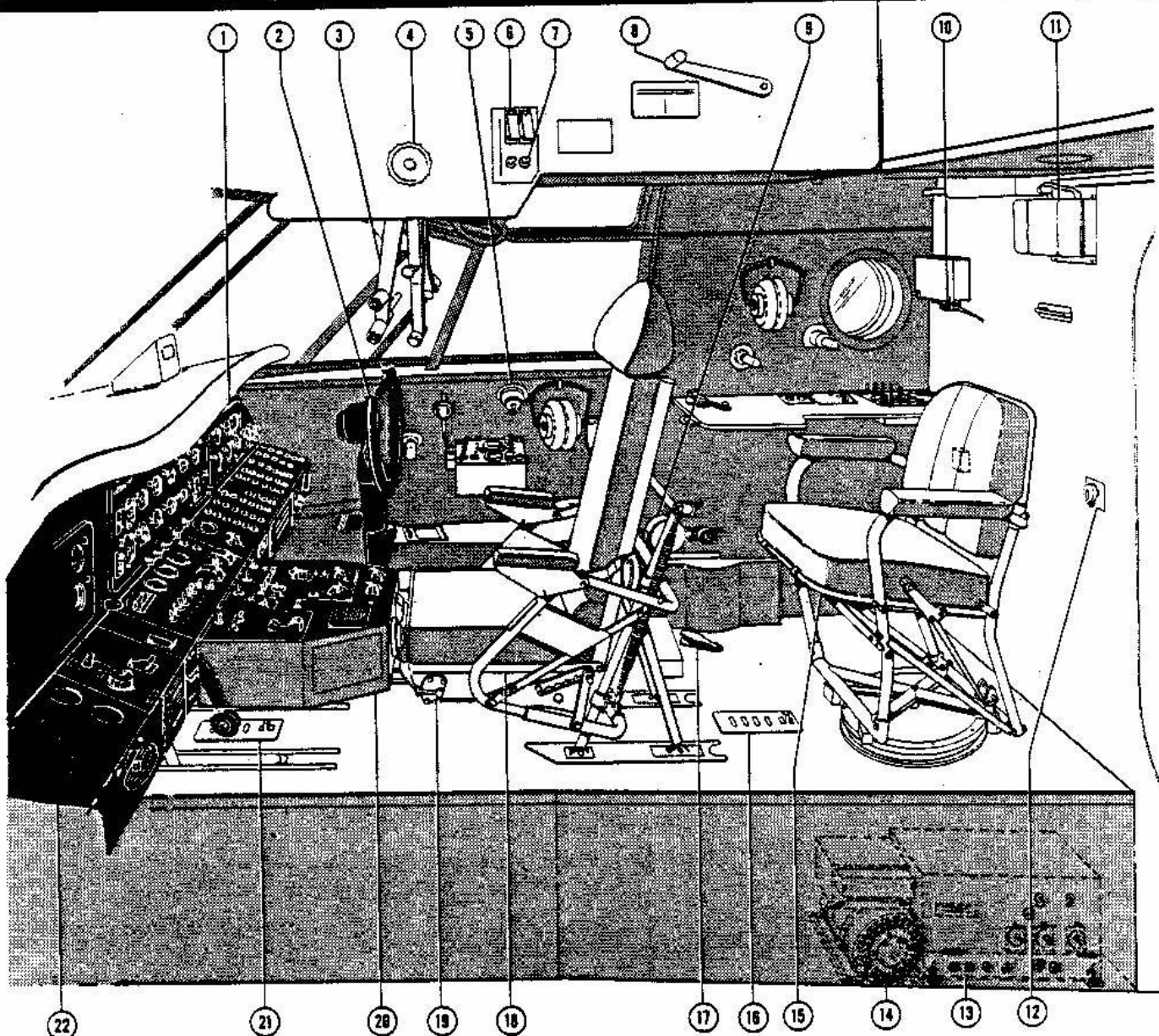


- | | |
|--|---|
| 1. Overhead Control Panel | 10. Folding Console |
| 2. Stand-by (Magnetic) Compass | 11. Nose Gear Visual Check Window |
| 3. Main Instrument Panel | 12. Hydraulic Hand Pump |
| 4. Co-pilot's Flight Instrument Panel | 13. Pilot's Rudder Pedals |
| 5. Main Console - Right Side | 14. Pilot's Control Column and Wheel |
| 6. Co-pilot's Oxygen Regulator | 15. De-icer System Electronic Timer Control Panel |
| 7. Co-pilot's Control Column and Wheel | 16. Pilot's Oxygen Regulator |
| 8. Co-pilot's Rudder Pedals | 17. Main Console - Left Side |
| 9. Main Console - Center | 18. Pilot's Flight Instrument Panel |

ACI-10

Figure 1-4

TYPICAL FLIGHT DECK - Right Side

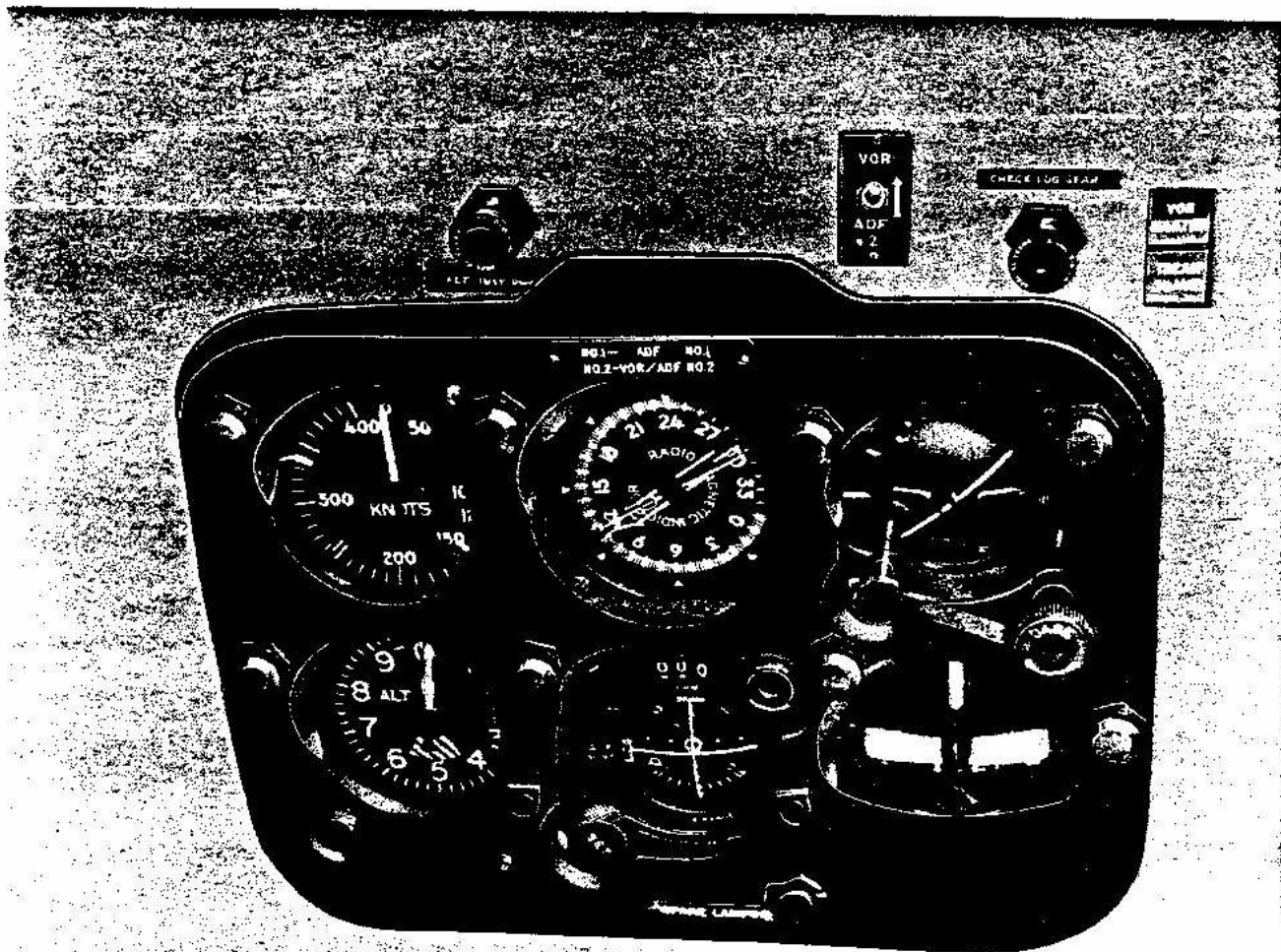


- 1. Instrument Panel
- 2. Co-pilot's Control Column and Wheel
- 3. Gust Lock Handle (HU-16D)
- 4. Throttle Friction Handle
- 5. Electrical Receptacle (Co-pilot's Flying Suit)
- 6. Emergency Propeller Oil Replenishing
- 7. Emergency Propeller Unfeathering - Unreversing Switches
- 8. Emergency Hydraulic By-pass Override Control
- 9. Oxygen Diluter Demand Regulator
- 10. Radio Operator's Microphone (Stowed)
- 11. Oxygen Mask Storage Box

- 12. Electrical Receptacle (Radio Operator's Flying Suit)
- 13. Receiver - Transmitter
- 14. Inverter
- 15. Radio Operator's Seat
- 16. Radio Operator's Heater Outlet
- 17. Radio Operator's Microphone Foot Switch
- 18. Co-pilot's Seat
- 19. Shoulder Harness Inertia Reel Lock Control
- 20. Pedestal
- 21. Co-pilot's Heater Outlet
- 22. Main Console

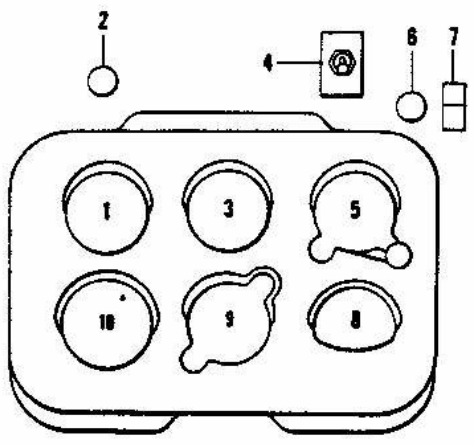
ACI-11

Figure 1-5



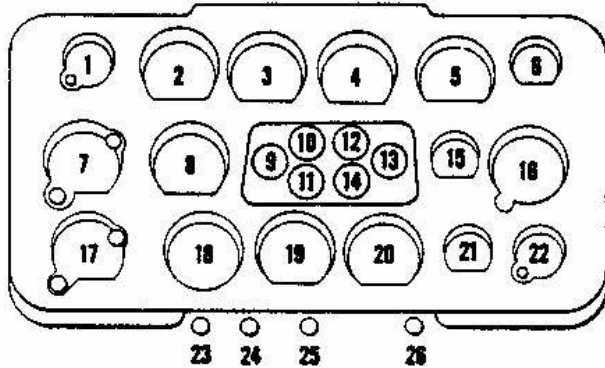
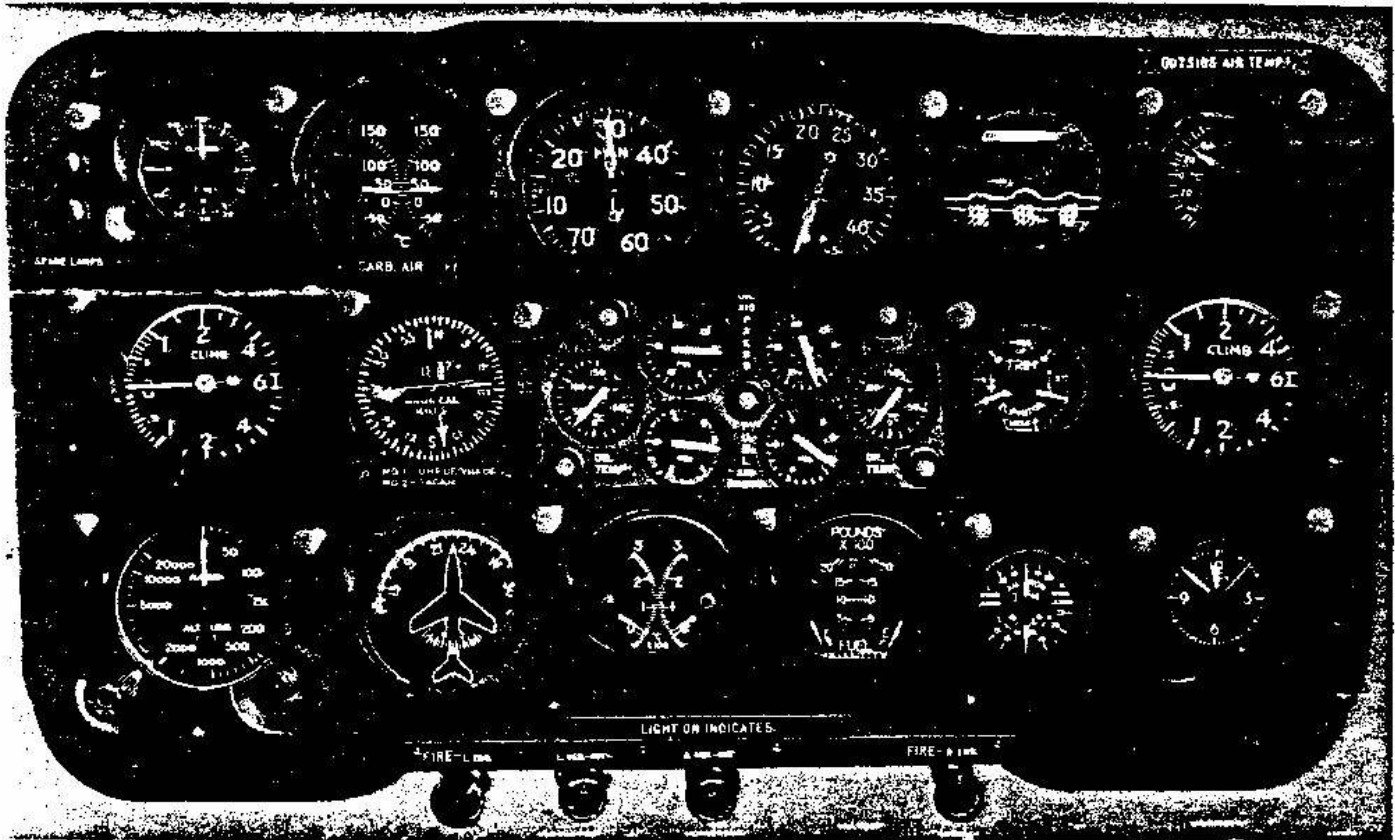
**TYPICAL
PILOT'S INSTRUMENT PANEL**

1. Airspeed Indicator
 2. Pilot Flight Instrument Warning Light
 3. Radio Magnetic Indicator, ID-250/ARN
 4. ID-250/ARN Radio Magnetic Indicator (no. 2 pointer) Selector Switch
 5. Attitude Indicator
 6. Landing Gear Warning Light
 - *7. Course Indicator Lights
 8. Turn and Slip Indicator
 9. Course Indicator ID-249/ARN
 10. Pressure Altimeter
- * HU-16D Only.



ACI-12

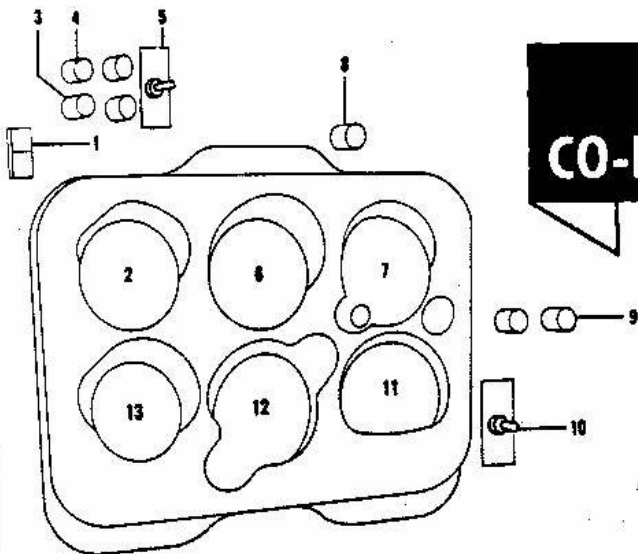
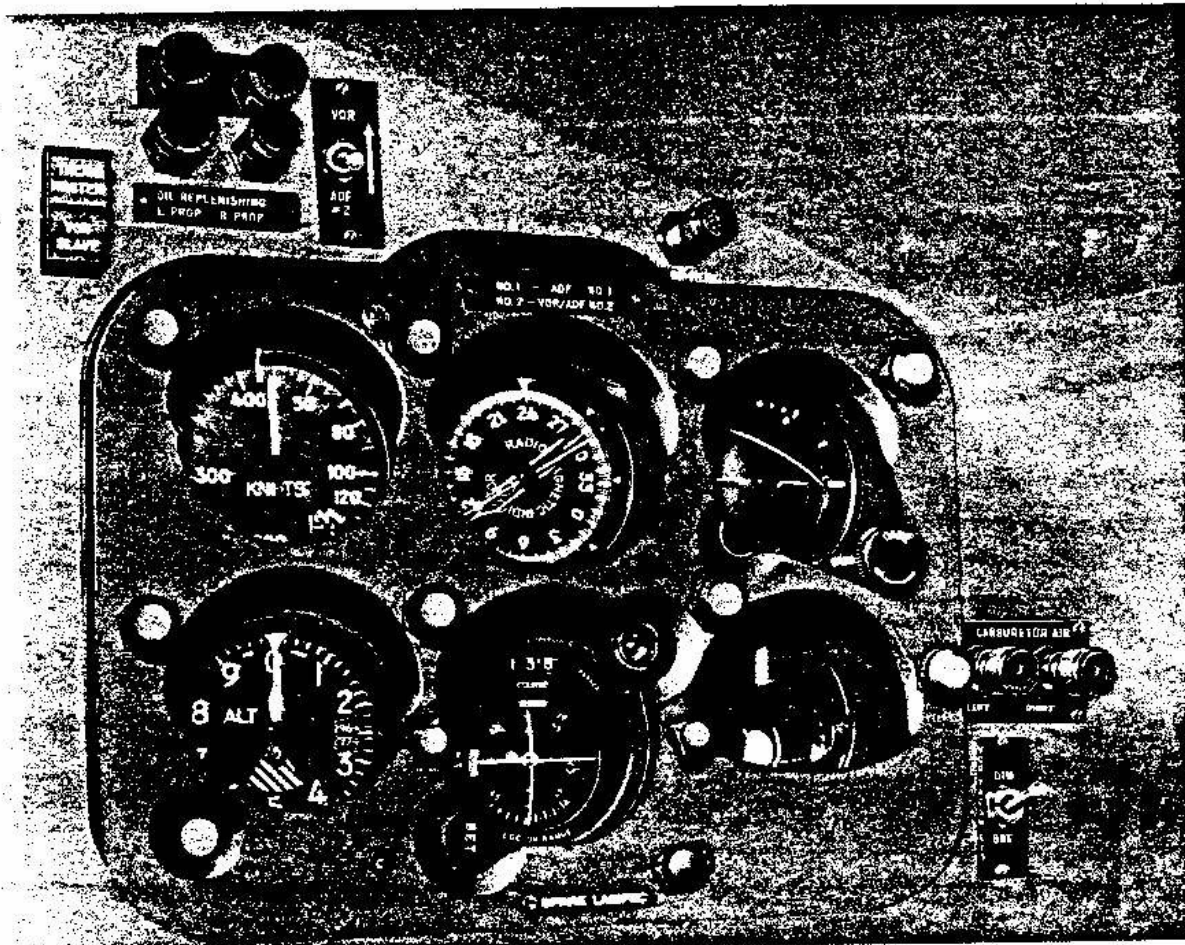
Figure 1-6



**TYPICAL
MAIN INSTRUMENT PANEL**

- | | |
|---|---|
| 1. Elapsed Time Clock | 14. Fuel Pressure Gage — Right Engine |
| 2. Carburetor Air Temperature Gages | 15. Elevator Trim Tabs Position Indicator |
| 3. Manifold Pressure Gage | 16. Vertical Speed Indicator |
| 4. Tachometer | 17. Radio Altimeter |
| 5. Wheels and Flaps Position Indicator | 18. Directional Indicator |
| 6. Outside Air Temperature Gage | 19. Cylinder Head Temperature Gage |
| 7. Vertical Speed Indicator | 20. Fuel Quantity Indicators |
| 8. Distance Nautical Miles Indicator | 21. Rudder and Aileron Trim Tabs Position Indicator |
| 9. Oil Temperature Gage — Left Engine | 22. Clock |
| 10. Oil Pressure Gage — Left Engine | 23. Fire Warning Light — Left Engine |
| 11. Fuel Pressure Gage — Left Engine | 24. Left Generator Warning Light |
| 12. Oil Pressure Gage — Right Engine | 25. Right Generator Warning Light |
| 13. Oil Temperature Gage — Right Engine | 26. Fire Warning Light — Right Engine |

Figure 1-7

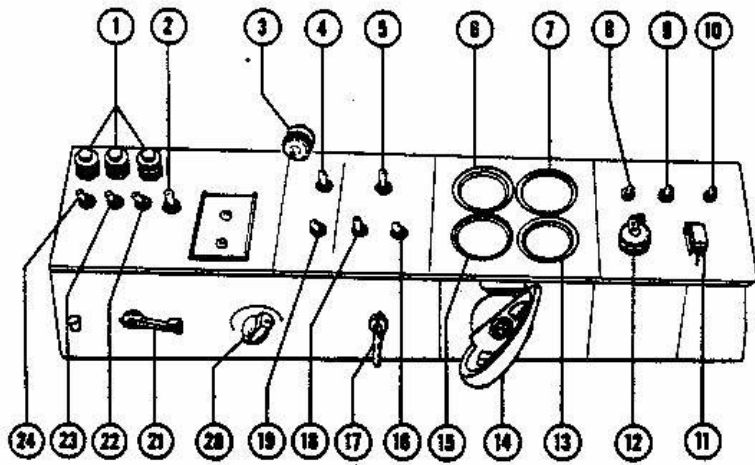
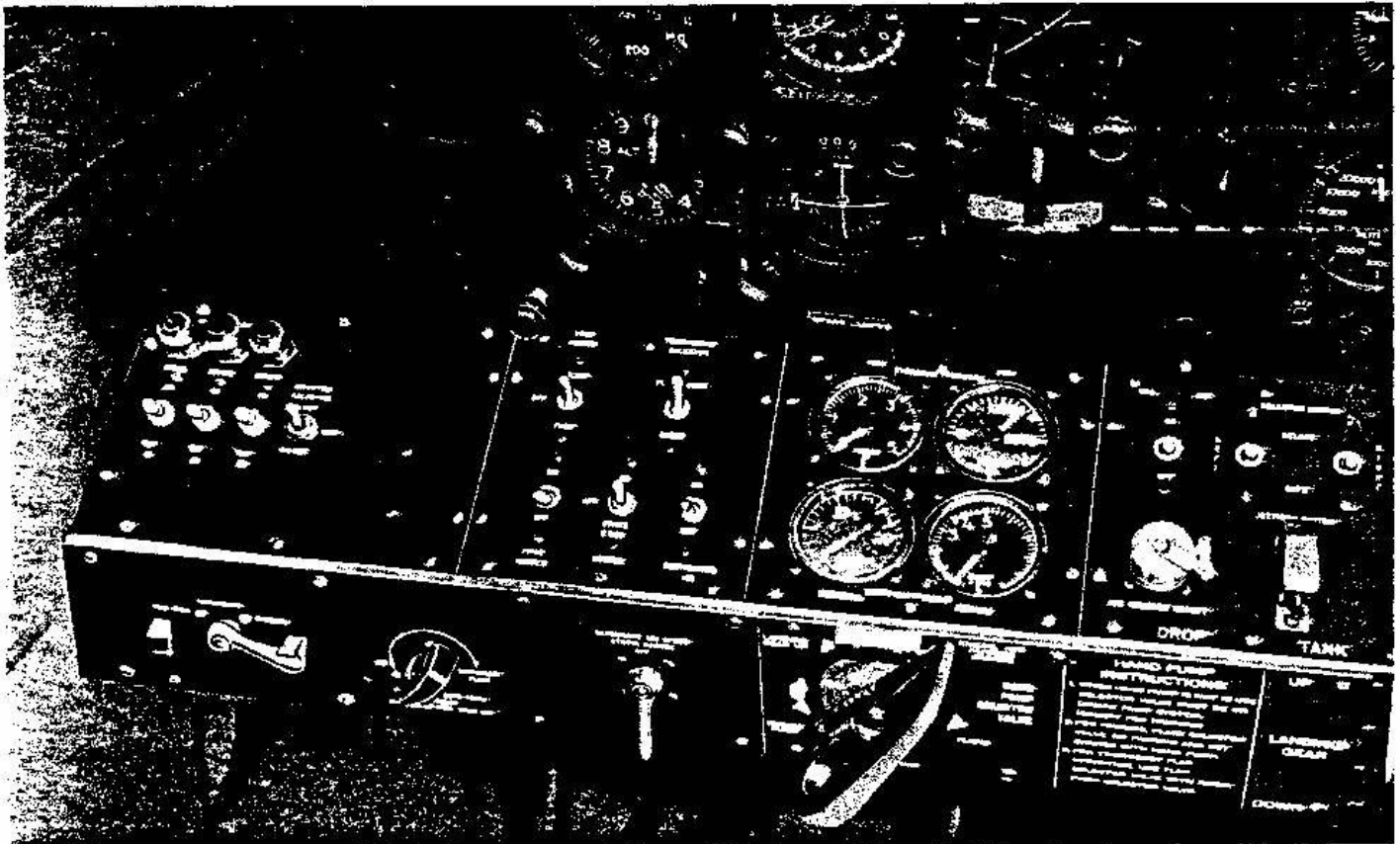


**TYPICAL
CO-PILOT'S INSTRUMENT PANEL**

- *1. Course Indicator Lights
 - 2. Airspeed Indicator
 - 3. Propeller Oil Replenishing Warning Lights
 - 4. Auxiliary Fuel Flow Warning Lights
 - 5. ID-250/ARN Radio Magnetic Indicator (No. 2 Pointer) Selector Switch
 - 6. Radio Magnetic Indicator, ID-250/ARN
 - 7. Attitude Indicator
 - 8. Co-pilots Flight Instrument Power Warning Light
 - 9. Carburetor Air Warning Lights
 - *10. Course Indicator Lights Dimming Switch
 - 11. Turn and Slip Indicator
 - 12. Course Indicator, ID-249/ARN
 - 13. Pressure Altimeter
- *HU-16D only

ACI-14

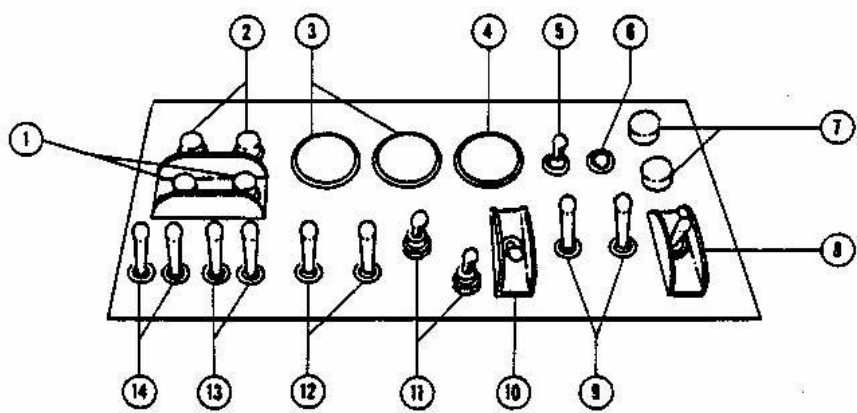
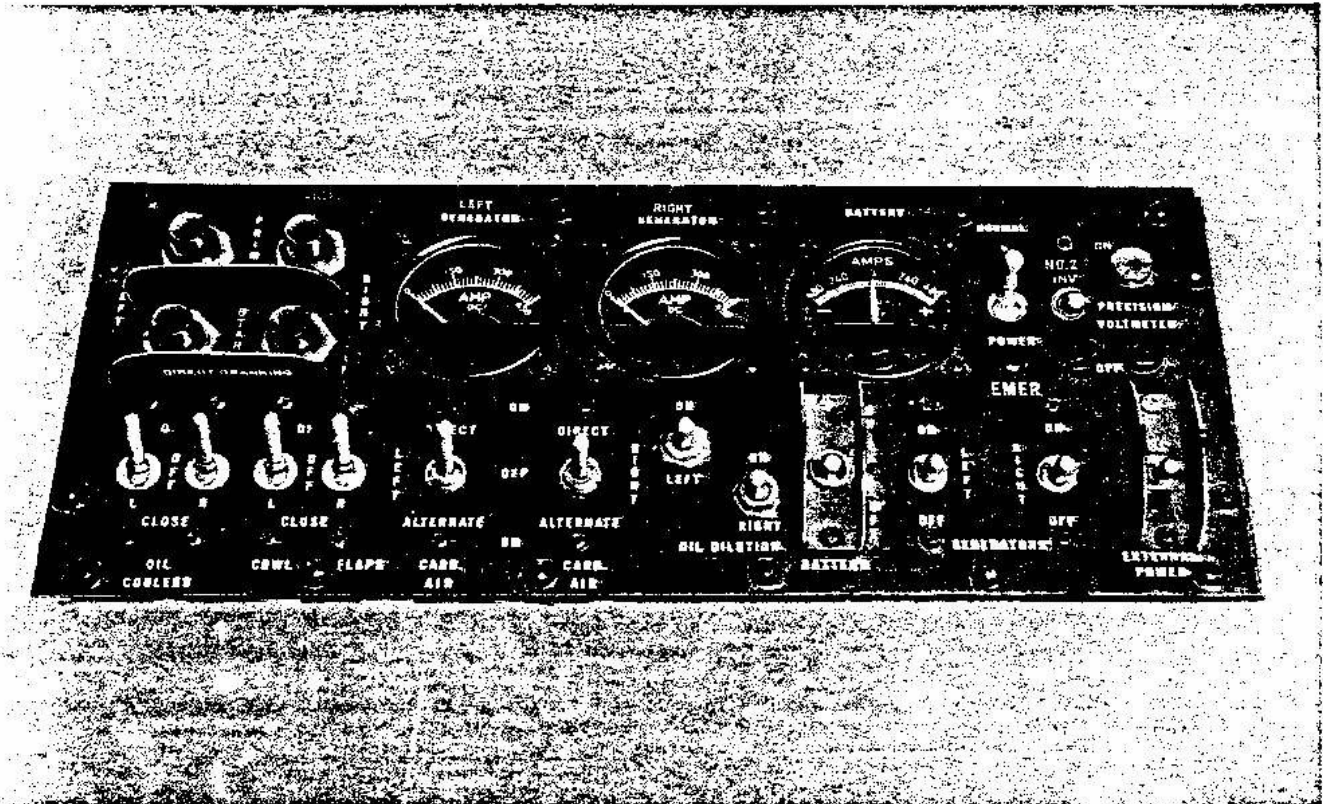
Figure 1-8



- *1. Inverter Power Off Warning Lights
- *2. Inverter Selector Switch
- 3. Propeller De-icer Indicator Light
- 4. Propeller De-icer Switch
- 5. Thermostat Selector Switch
- 6. Hydraulic Main System Pressure Gage
- 7. Hydraulic Sub-System Pressure Gage
- 8. Drop Tank Master Switch
- 9. Left Drop Tank Selector Switch
- 10. Right Drop Tank Selector Switch
- 11. Drop Tank Jettison Switch
- 12. Drop Tank Auxiliary Release Receptacle
- 13. Wing and Tail De-icer Suction Gage
- 14. Hydraulic Hand Pump Selector Control
- 15. Wing and Tail De-icer Pressure Gage
- 16. Ventilating Air Switch
- 17. Alternate Static Air Source Control
- 18. Heater Control Switch
- 19. Pitot Heater Switch
- 20. Windshield Anti-icing Control
- 21. Windshield Anti-icing and Wash Control
- *22. Inverter no. 3 Switch
- *23. Inverter no. 2 Switch
- *24. Inverter no. 1 Switch
- *HU-16D ONLY

**TYPICAL
MAIN CONSOLE - Left Side**

Figure 1-9

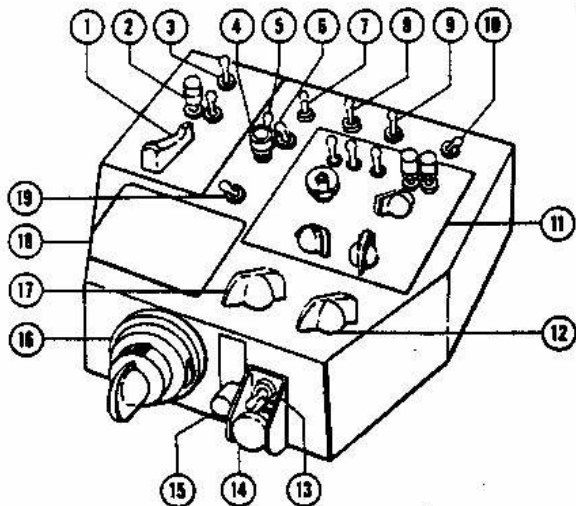
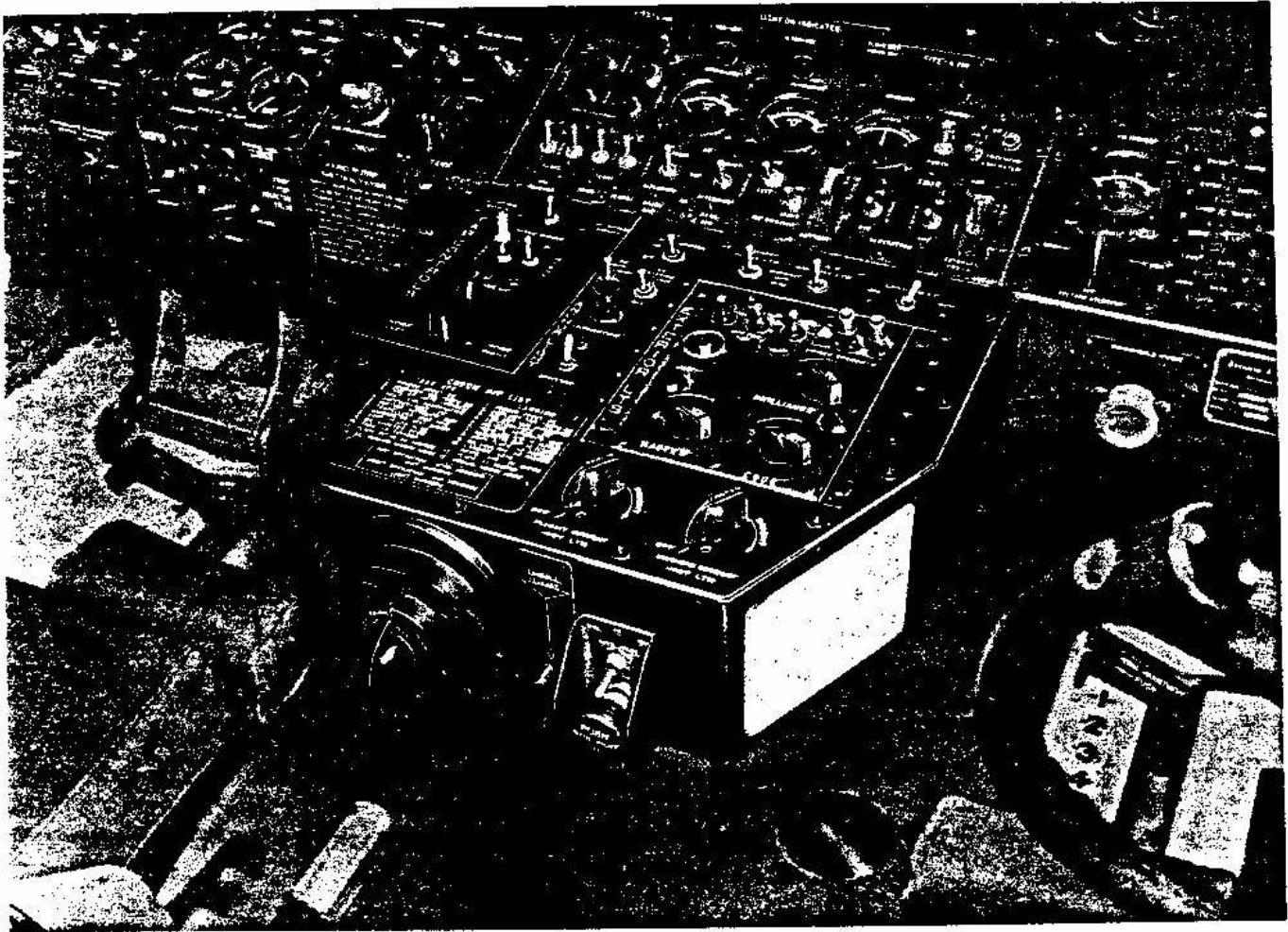


**TYPICAL
MAIN CONSOLE-Center**

1. Starter Switches
 2. Primer Switches
 3. Generator Ammeters
 4. Battery Ammeter
 5. Flight Instrument Power Switch
 - *6. Number 2 Inverter Switch
 7. Precision Voltmeter Jacks
 8. External Power Switch
 9. Generator Switches
 10. Battery Switch
 11. Oil Dilution Switches
 12. Carburetor Air Switches
 13. Cowl Flap Switches
 14. Oil Cooler Switches
- *HU-16C ONLY

AC1-16

Figure 1-10

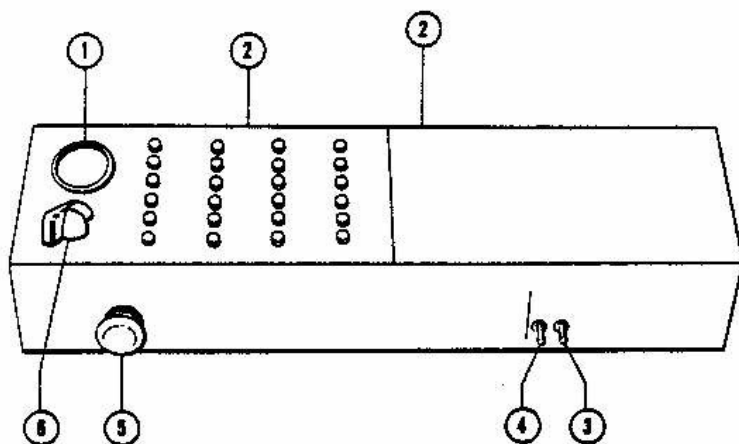
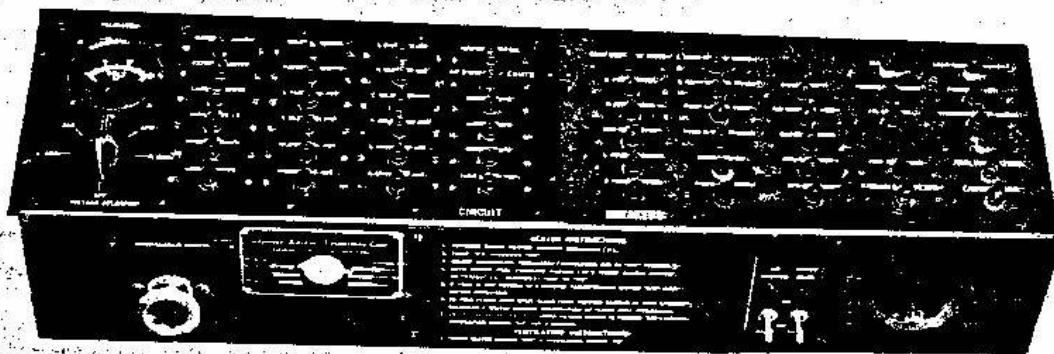


TYPICAL PEDESTAL CONSOLE

- | | |
|--------------------------------------|---|
| 1. Rudder Trim Tab Switch | 12. Engine Group Instrument Lights Rheostat |
| 2. Elevator Trim Tab Switches | 13. Auto Pilot Power Switch |
| 3. Aileron Trim Tab Switch | 14. Auto Pilot Clutch Switch |
| 4. Anchor Light Indicator Light | 15. Console Release Button |
| 5. Anti-Collision Light Switch | 16. Auto Pilot Controller |
| 6. Exterior Lights Panel Switch | 17. Flight Group Instrument Lights Rheostat |
| *7. Number 1 Inverter Control Switch | 18. Check-Off List |
| 8. Cockpit Panel Lights Switch | 19. Anchor Light Switch |
| 9. Cockpit Lights Switch | *HU-16C ONLY |
| 10. Landing Lights Switch | |
| 11. Exterior Lights Panel | |

AC1-17

Figure 1-11



- 1. D-C Voltmeter
- 2. Circuit Breaker Panels
- 3. Safety Belts Sign Switch
- 4. No Smoking Sign Switch
- 5. Windshield Wiper Control
- 6. D-C Voltage Selector Switch

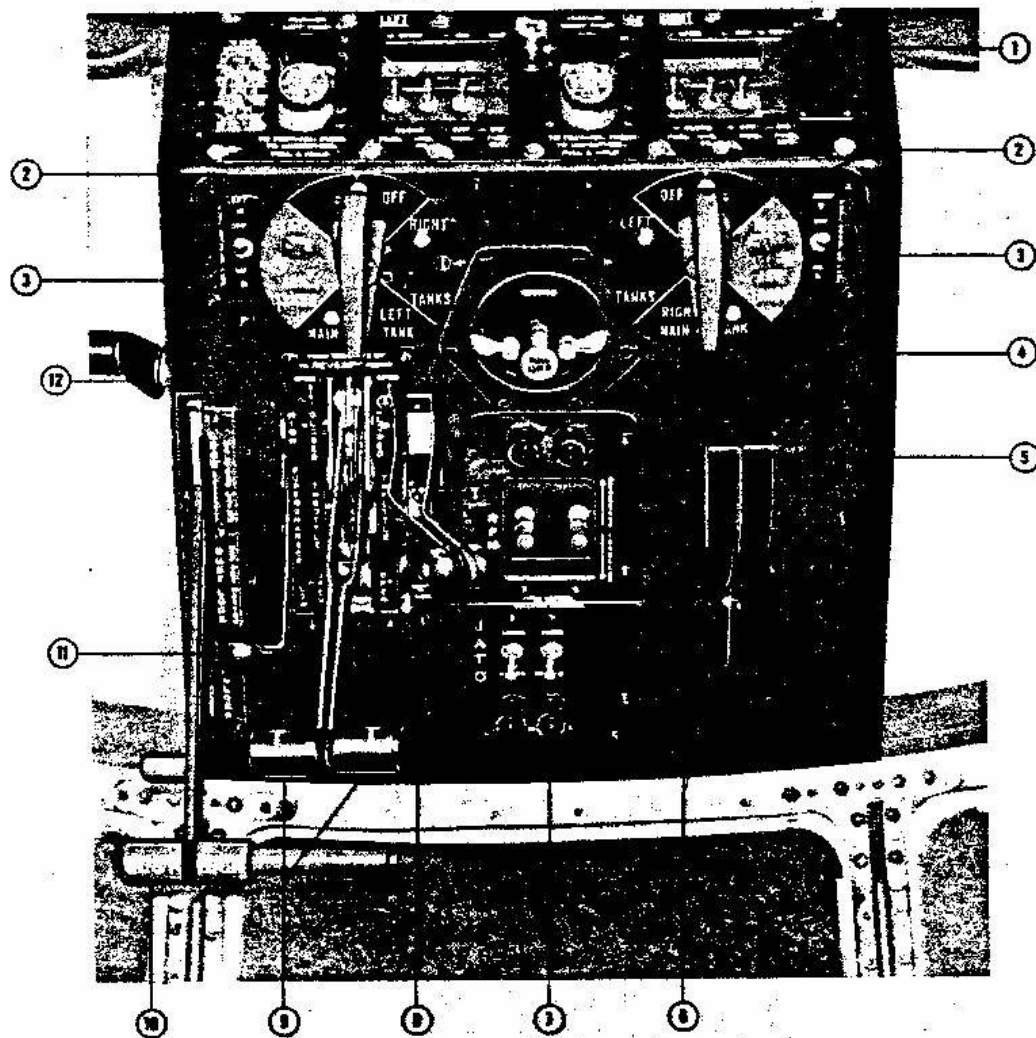
TYPICAL
MAIN CONSOLE - Right Side

ACI-18

Figure 1-12

TYPICAL OVERHEAD CONTROL PANEL

- | | |
|--|--|
| 1. Emergency Controls Panel | 14. Trouble Light and Extension Cord |
| 2. Fuel Tank Selector Controls | 15. Rudder Boost Control |
| 3. Fuel Booster Pump Switches | 16. Auto Pilot Emergency Disconnect Control |
| 4. Ignition Switches | 17. Communications and Associated Equipment Control Panels (see Figure 1-34) |
| 5. Wing Flaps Control | 18. Fuel Transfer System Switches |
| 6. Propeller RPM Switches and Lights | 19. Fire Extinguisher Switches |
| 7. JATO Selector Switches and Armed Warning Lights | 20. Emergency Generator Shut-off Switches |
| 8. Mixture Controls | 21. Emergency Hydraulic Oil Shut-off Switches |
| 9. Throttles | 22. Emergency Fuel Shut-off Switches |
| 10. Gust Lock Control (HU-16D) | 23. Propeller Feathering Controls |
| 11. Supercharger Control Handle | 24. Flare Switches |
| 12. Friction Control Handle | |
| 13. Radio Control Panel Lights Rheostat | |



AC1-19-1

Figure 1-13 (Sheet 1)

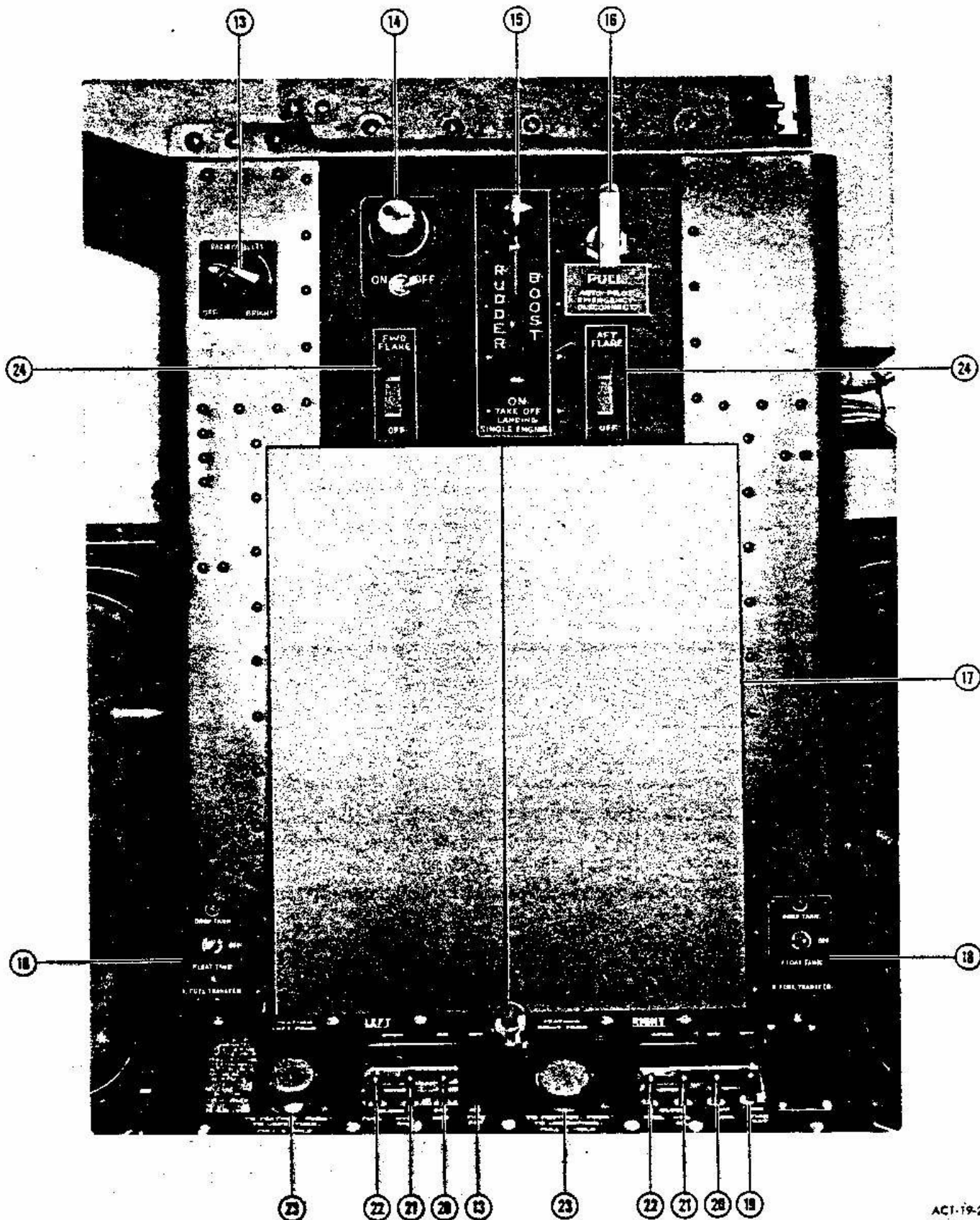
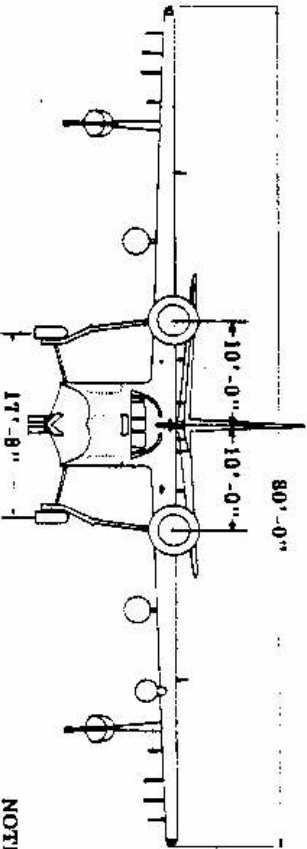
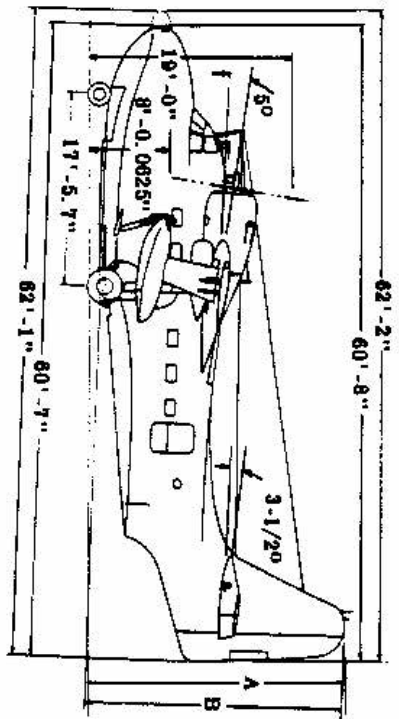
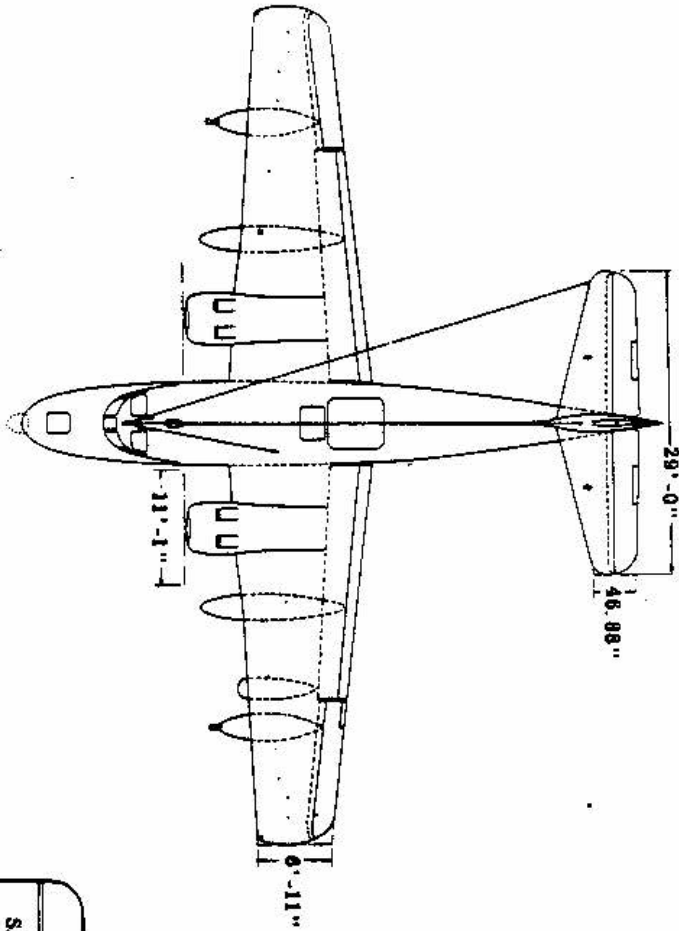


Figure 1-13 (Sheet 2)

AC1-19-2



NOTE

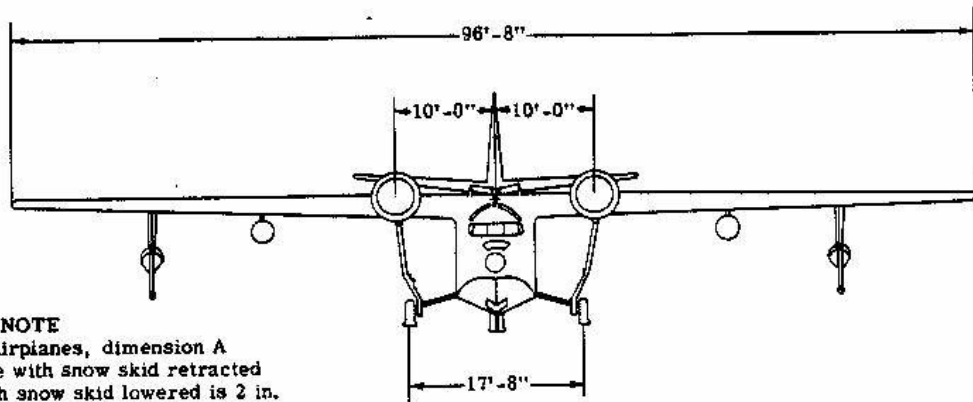
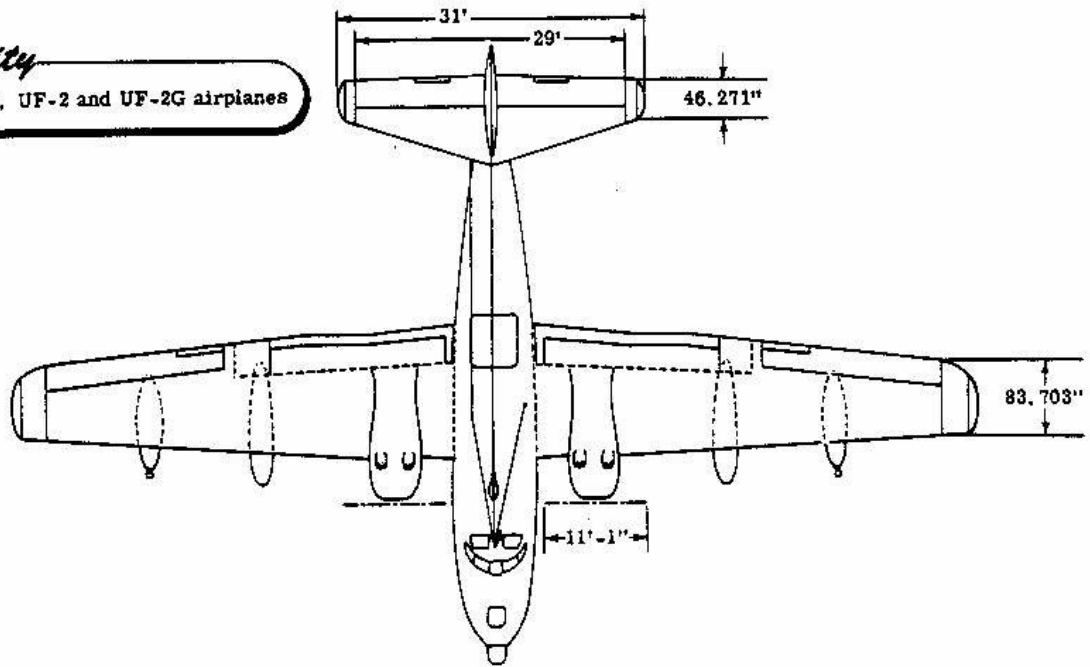
In column A the ground clearance with the snow skid retracted is 10 in. and with the snow skid lowered is 2 in.

MODEL	A	B
SA-16A-GR ser No. 48-589 thru 49-100 UF-1 ser No. 124374 thru 124379	24'-3"	24'-4"
SA-16A-GR ser No. 50-172 thru 50-182 UF-1 CG No. 1240 and subsequent (including AN/APX-6 antenna)	24'-10-3/4"	24'-11-3/4"
SA-16A-GR ser No. 51-1 thru 51-31 (including AN/ARC-27 antenna)	26'-5-1/4"	26'-6-1/4"
SA-16A-GR ser No. 48-588, 51-32 and subsequent (including AN/ARC-27 antenna and snow skid retracted)	26'-5-1/4"	26'-6-7/8"
SA-16A-GR ser No. 48-589, 51-32 and subsequent (including AN/ARC-27 antenna and snow skid lowered)	26'-5-1/4"	27'-1-1/4"

Figure 1-1. Three View Dimensional Drawings—SA-16A-GR, UF-1, UF-1 CG and UF-1T Airplanes

Effectivity

SA-16B-GR, UF-2 and UF-2G airplanes



NOTE
 On SA-16B-GR airplanes, dimension A ground clearance with snow skid retracted is 10 in. and with snow skid lowered is 2 in.

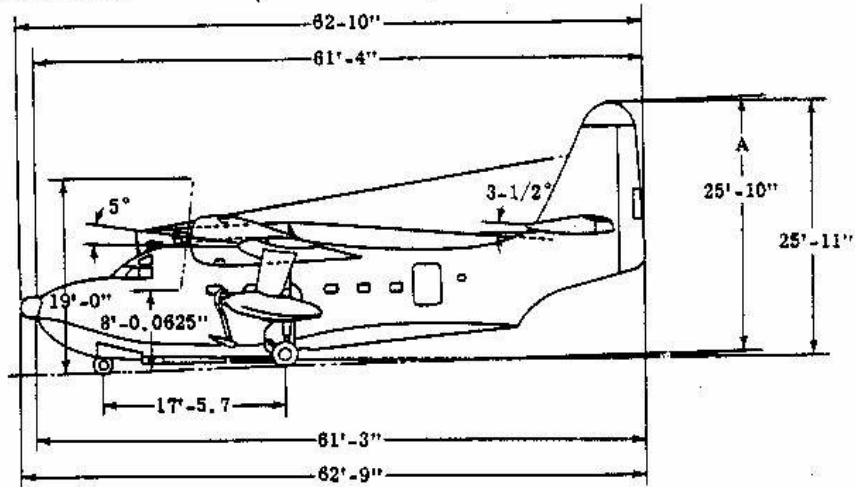


Figure 1-1A. Three Dimensional Drawings

NOTE
 Dotted lines of Tail Section indicate tail changes on SA-16B-CR, UF-2 and UF-2G airplanes.

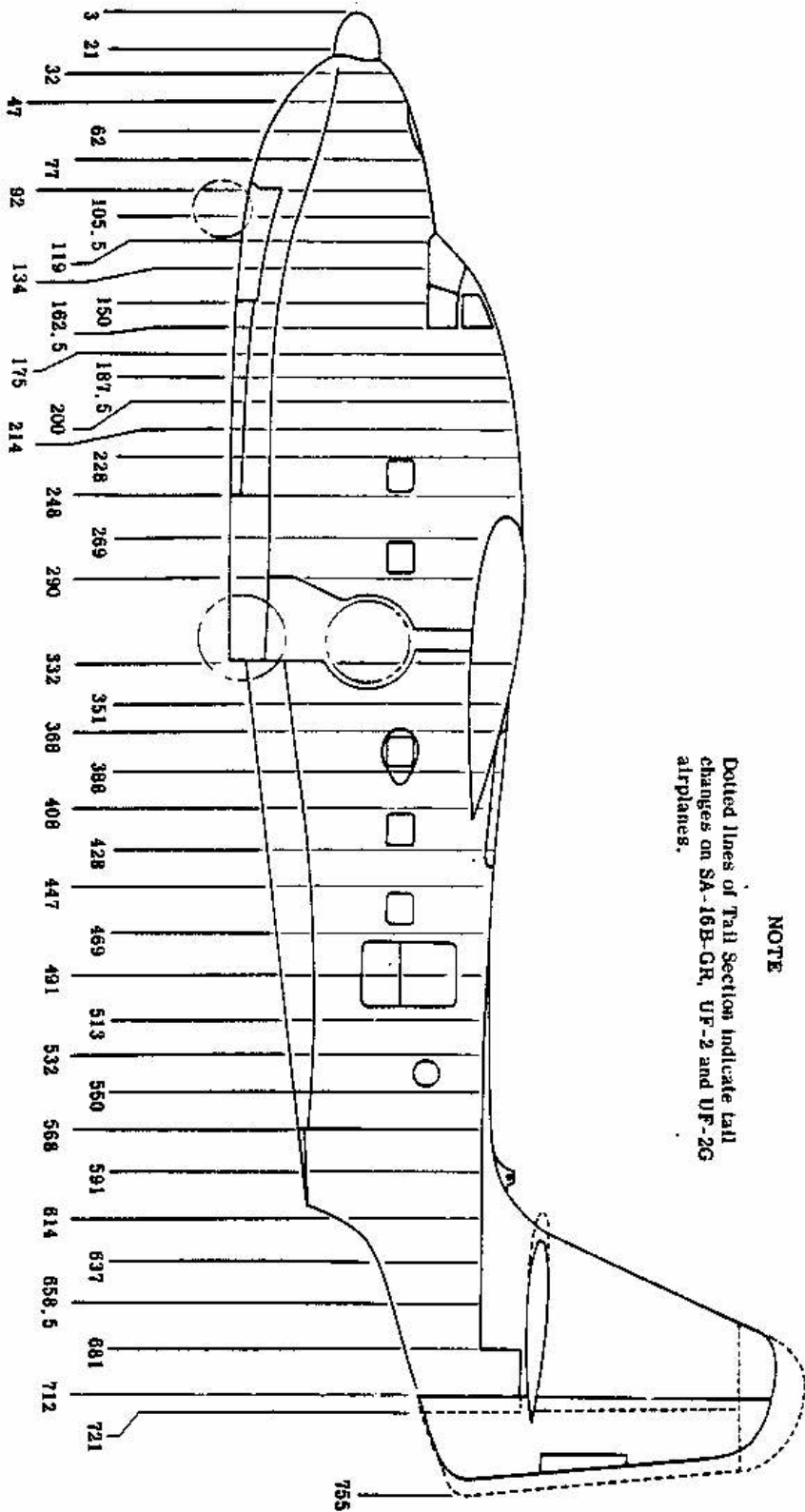


Figure 1-2. Hull Stations Diagram

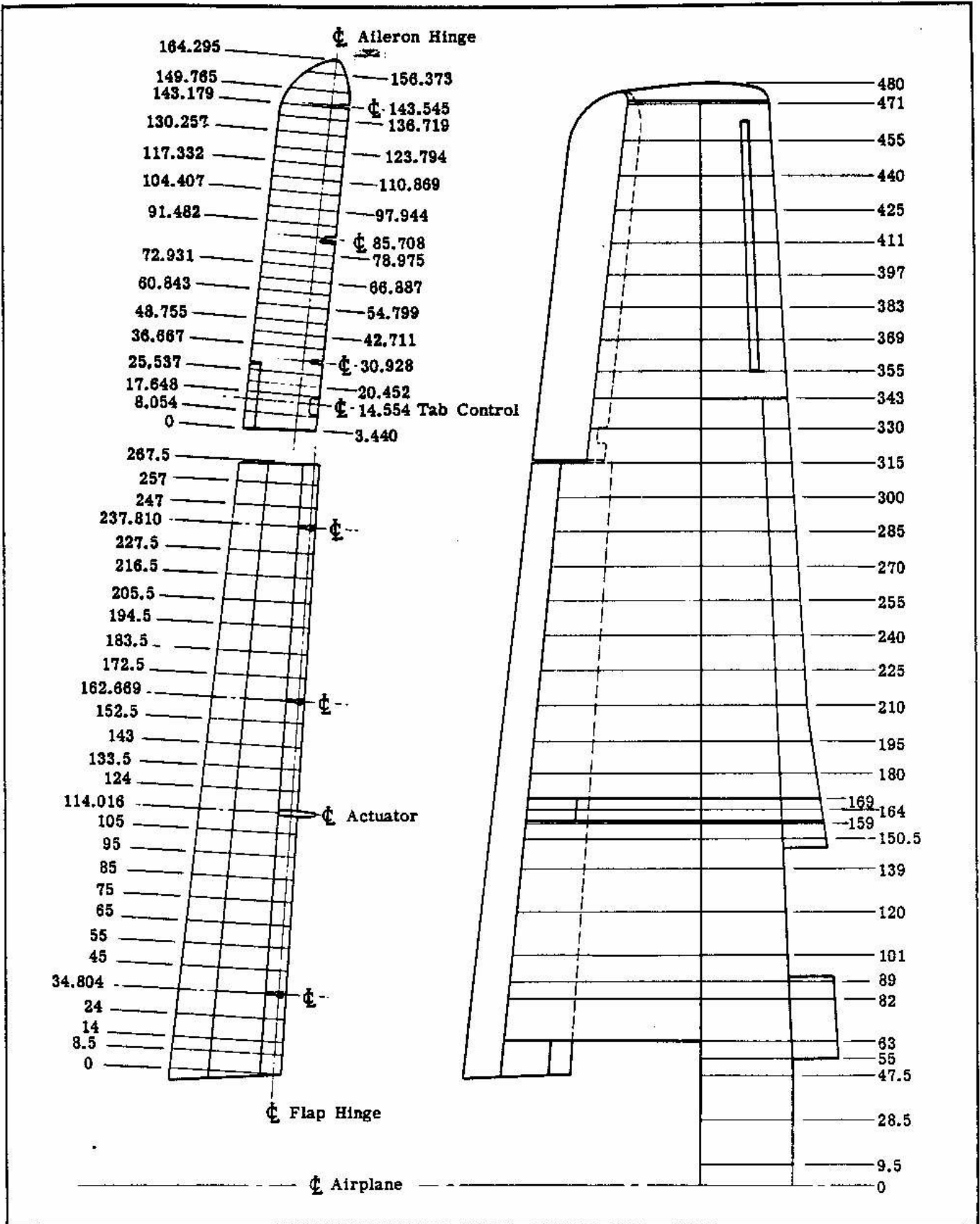


Figure 1-3. Wing Stations Diagram—SA-16A-GR, UF-1, UF-1 CG and UF-1T Airplanes

Revised 15 December 1957

Effectivity

SA-16B-GR, UF-2 and UF-2G Airplanes

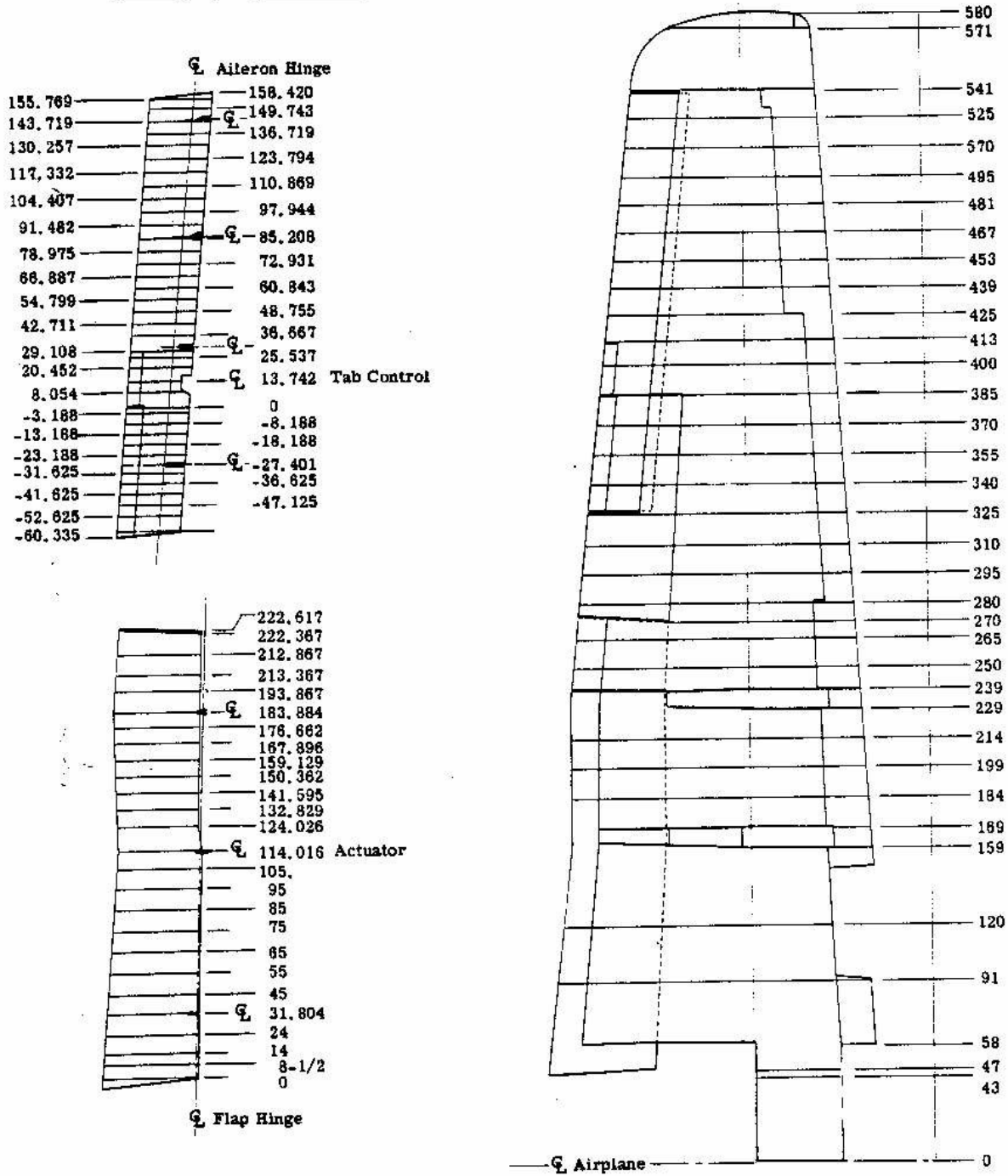


Figure 1-3A. Wing Stations Diagram

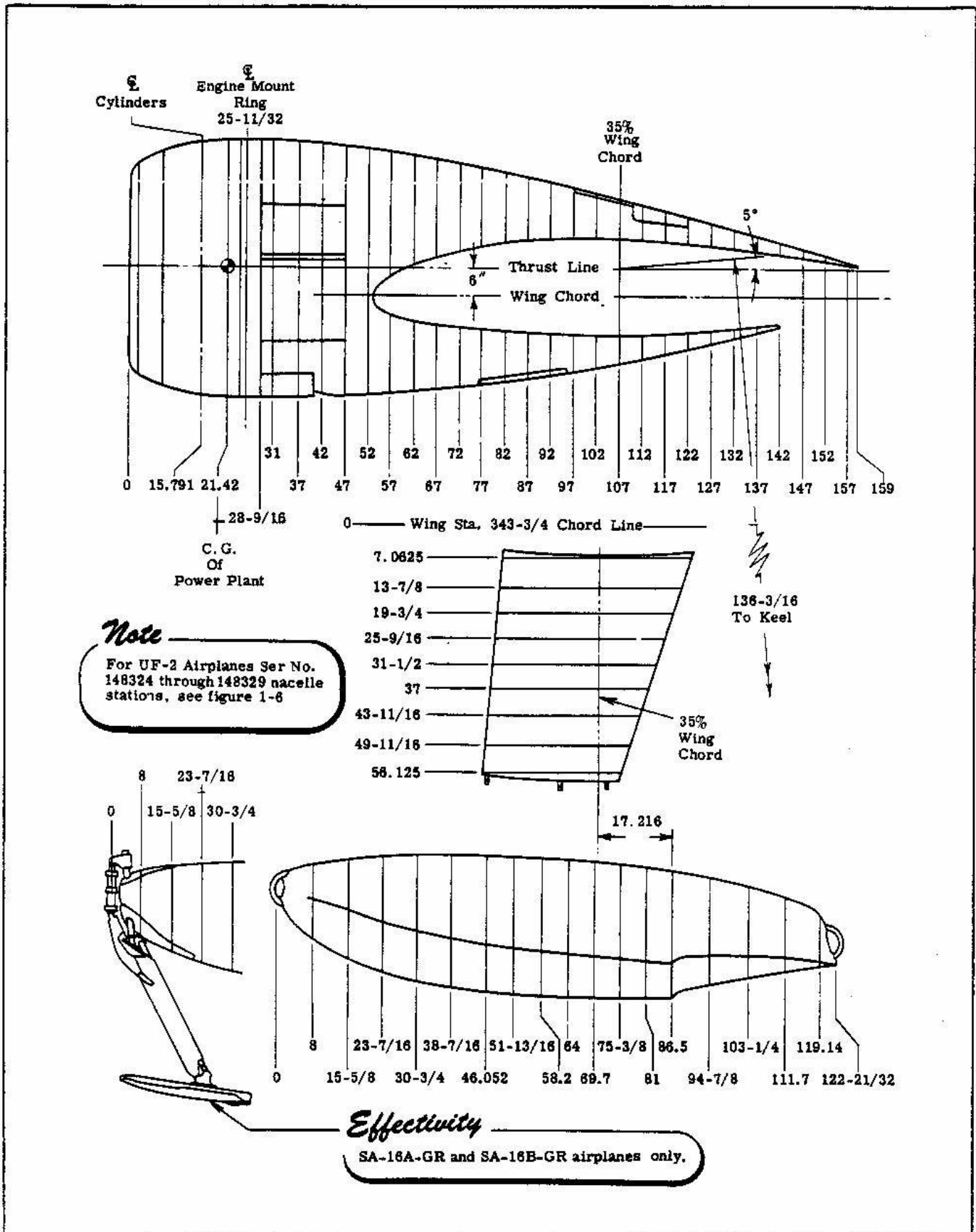


Figure 1-4. Wing Tip Float, Float Pedestal, and Engine Nacelle Stations Diagram

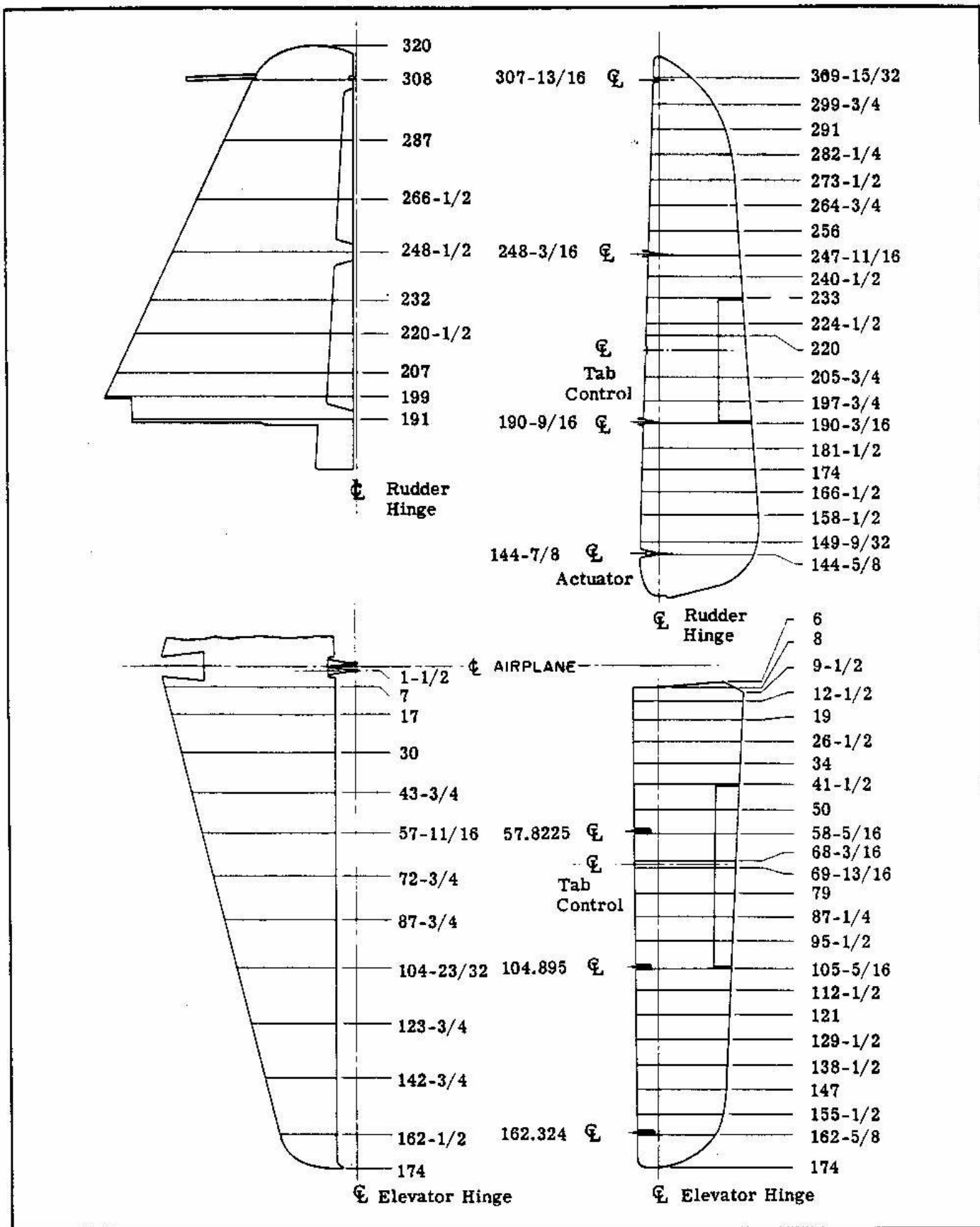


Figure 1-5. Tail Stations Diagram—SA-16A-GR, UF-1, UF-1 CG and UF-1T Airplanes

Revised 15 December 1957

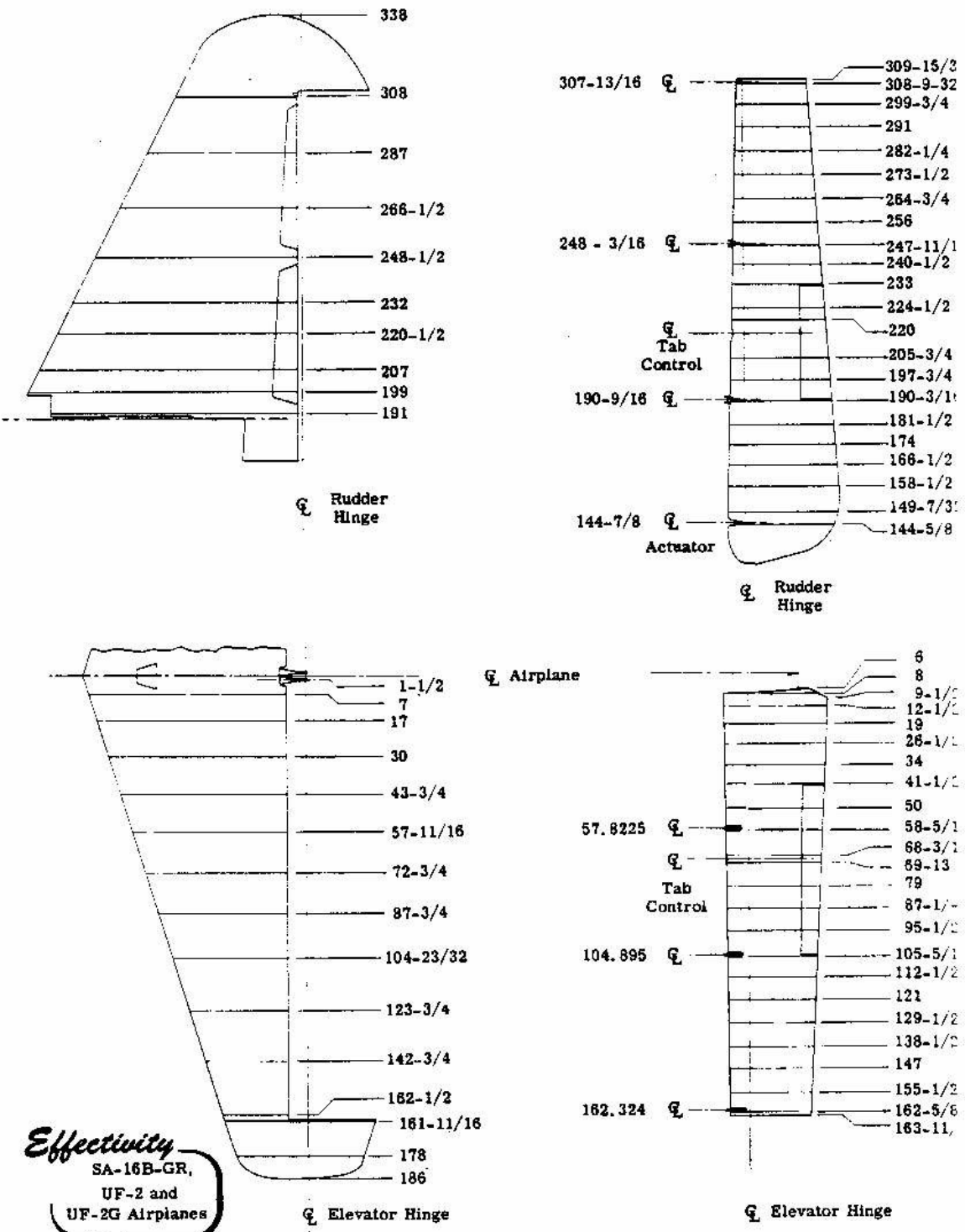


Figure 1-5A. Tail Stations Diagram

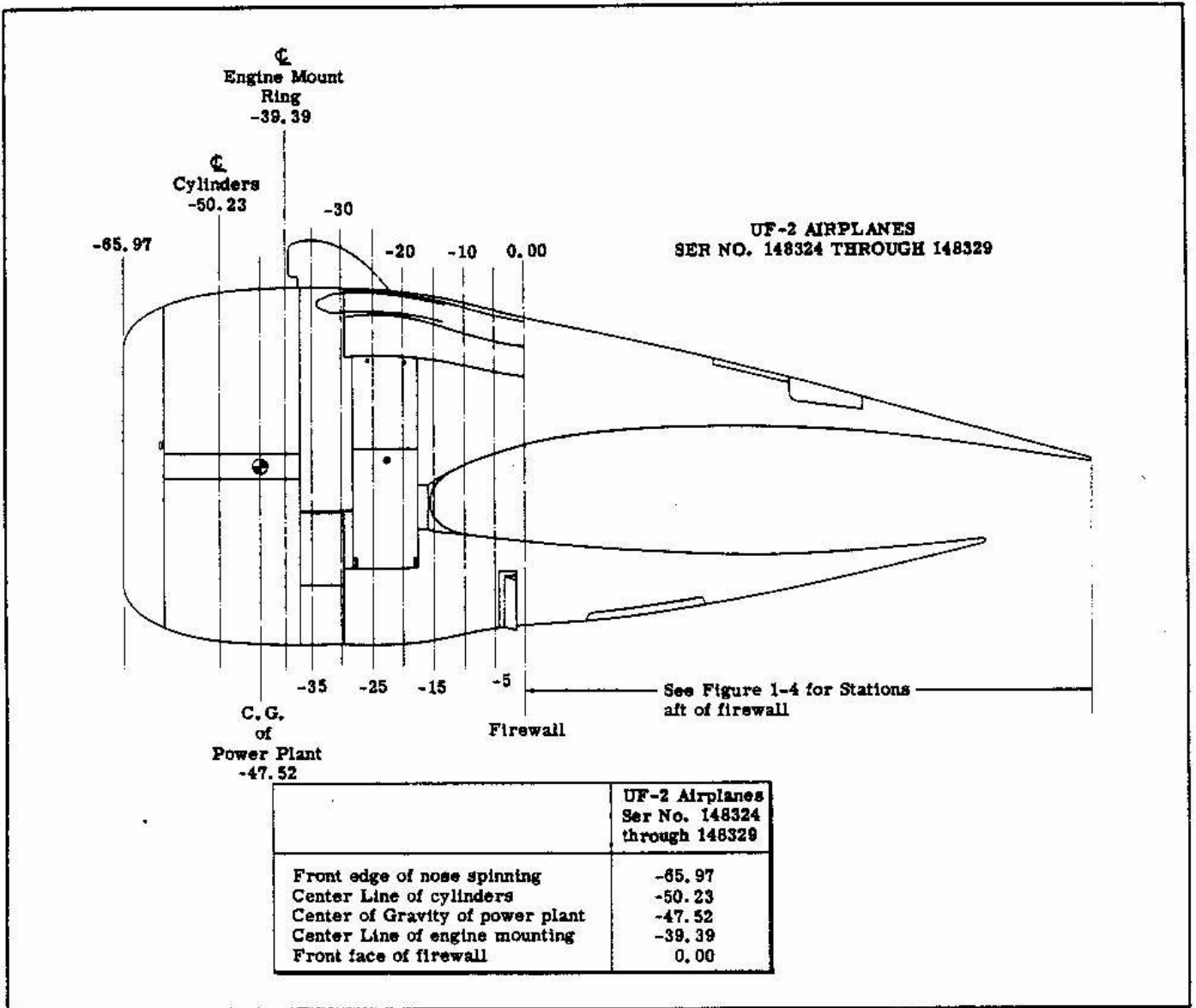
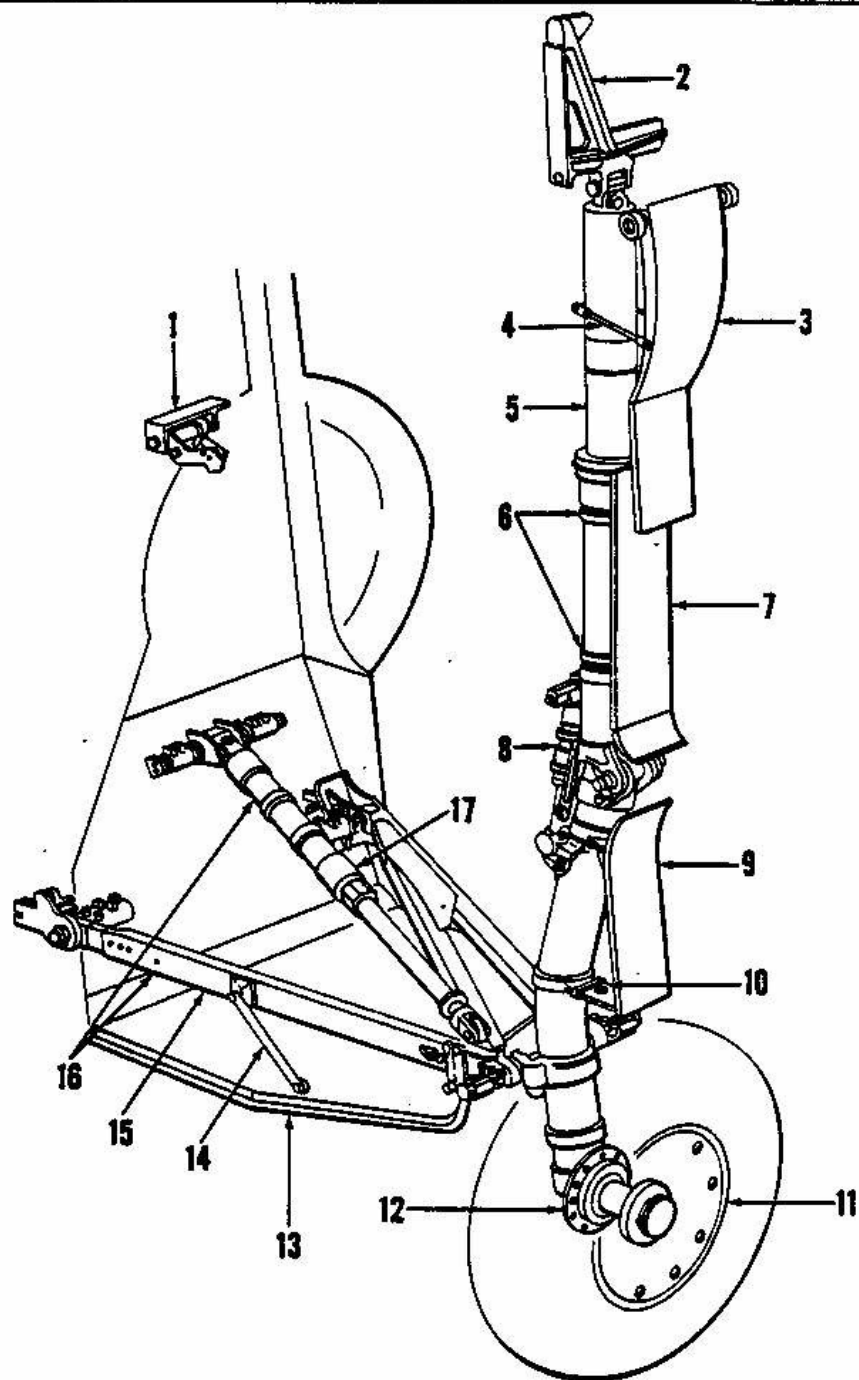


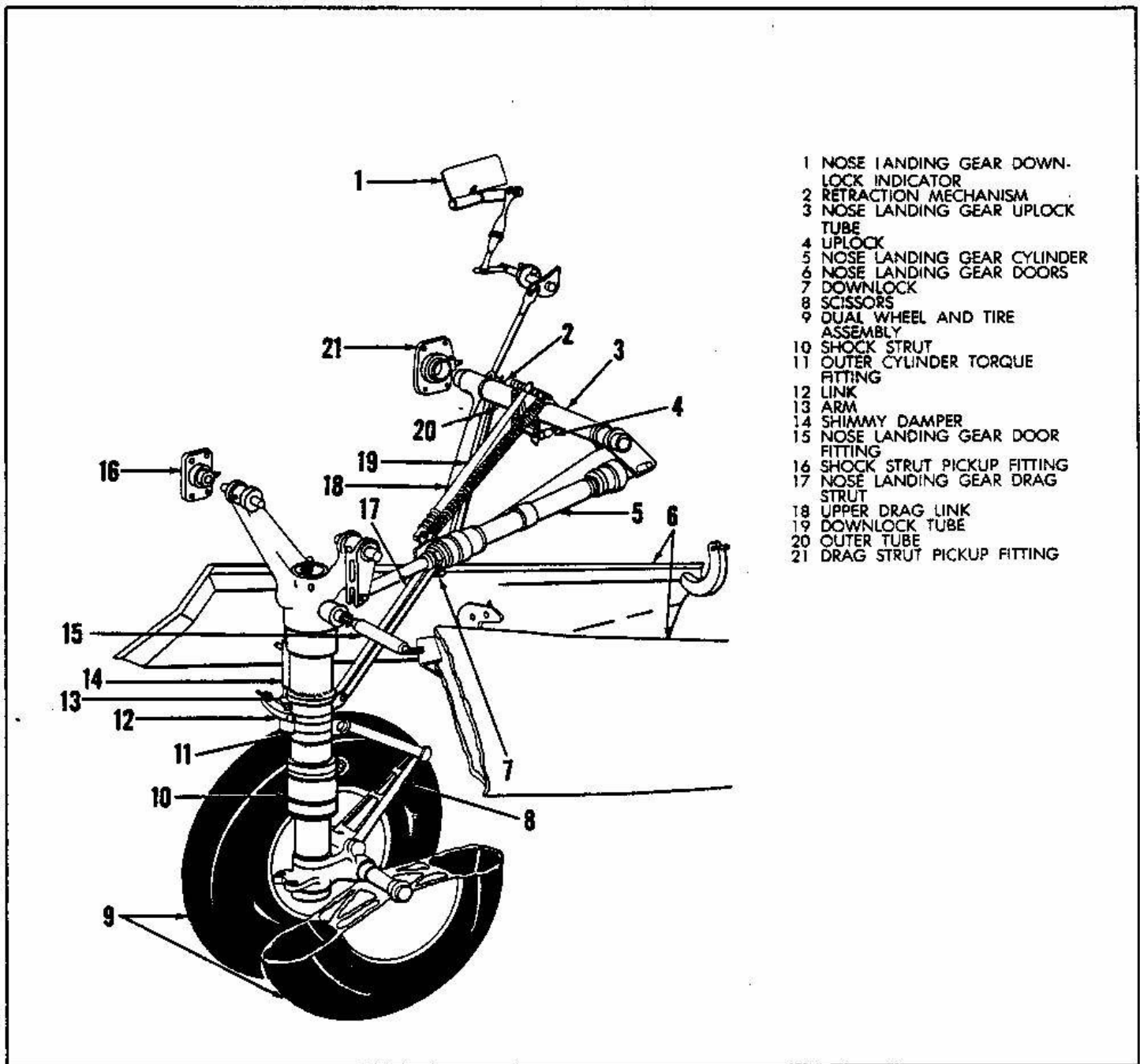
Figure 1-6. Engine Nacelle Stations Diagram



- | | |
|---|--|
| 1 UPLOCK | 11 WHEEL ASSEMBLY |
| 2 WING CENTER SECTION SHOCK STRUT FITTING | 12 SEGMENTED ROTOR DISC TYPE BRAKE |
| 3 UPPER SHOCK STRUT DOOR | 13 MAIN LANDING GEAR HULL DOOR |
| 4 UPPER SHOCK STRUT DOOR LINKAGE | 14 MAIN LANDING GEAR-HULL-DOOR-TO-DRAG-BRACE ROD |
| 5 SHOCK STRUT | 15 DRAG TRUSS |
| 6 UPPER FAIRING TO STRUT CLAMPS | 16 MAIN LANDING GEAR RETRACTION MECHANISM |
| 7 UPPER FAIRING | 17 MAIN LANDING GEAR CYLINDER |
| 8 MAIN LANDING GEAR LOCK CYLINDER | |
| 9 LOWER FAIRING | |
| 10 LOWER FAIRING TO STRUT CLAMPS | |

Figure 1-2. Main Landing Gear Details

3.2.0-6-2



- 1 NOSE LANDING GEAR DOWN-LOCK INDICATOR
- 2 RETRACTION MECHANISM
- 3 NOSE LANDING GEAR UPLOCK TUBE
- 4 UPLOCK
- 5 NOSE LANDING GEAR CYLINDER
- 6 NOSE LANDING GEAR DOORS
- 7 DOWNLOCK
- 8 SCISSORS
- 9 DUAL WHEEL AND TIRE ASSEMBLY
- 10 SHOCK STRUT
- 11 OUTER CYLINDER TORQUE FITTING
- 12 LINK
- 13 ARM
- 14 SHIMMY DAMPER
- 15 NOSE LANDING GEAR DOOR FITTING
- 16 SHOCK STRUT PICKUP FITTING
- 17 NOSE LANDING GEAR DRAG STRUT
- 18 UPPER DRAG LINK
- 19 DOWNLOCK TUBE
- 20 OUTER TUBE
- 21 DRAG STRUT PICKUP FITTING

Figure 1-4. Nose Landing Gear Details

3.2.0-6-13

cam. When the strut extends fully, the working cam bottoms against the fixed cam centering the axle and wheels. This insures that the wheels are not turned when they retract into the wheel well. The nose landing gear doors are attached to the hull by hinge connections and to the strut through a mechanical linkage. The doors are operated by the strut during retraction and extension of the nose gear.

1-7. MAIN LANDING GEAR RETRACTION MECHANISM. (See figure 1-7.) The main landing gear re-

traction mechanism is a hydraulically operated cylinder using pressure from the engine-driven hydraulic pump installed on each engine. The retraction mechanism consists essentially of the main landing gear cylinder, drag truss, and main landing gear hull door. The double-acting cylinder, has four ports, two for hand pump operation and two for system operation. Two shuttle valves, one on each end of the cylinder, shut off the hand pump lines during system operation and system lines during hand pump operation. The terminal on the extending end of the cylinder is attached to a floating piston inside the shaft of the main piston.

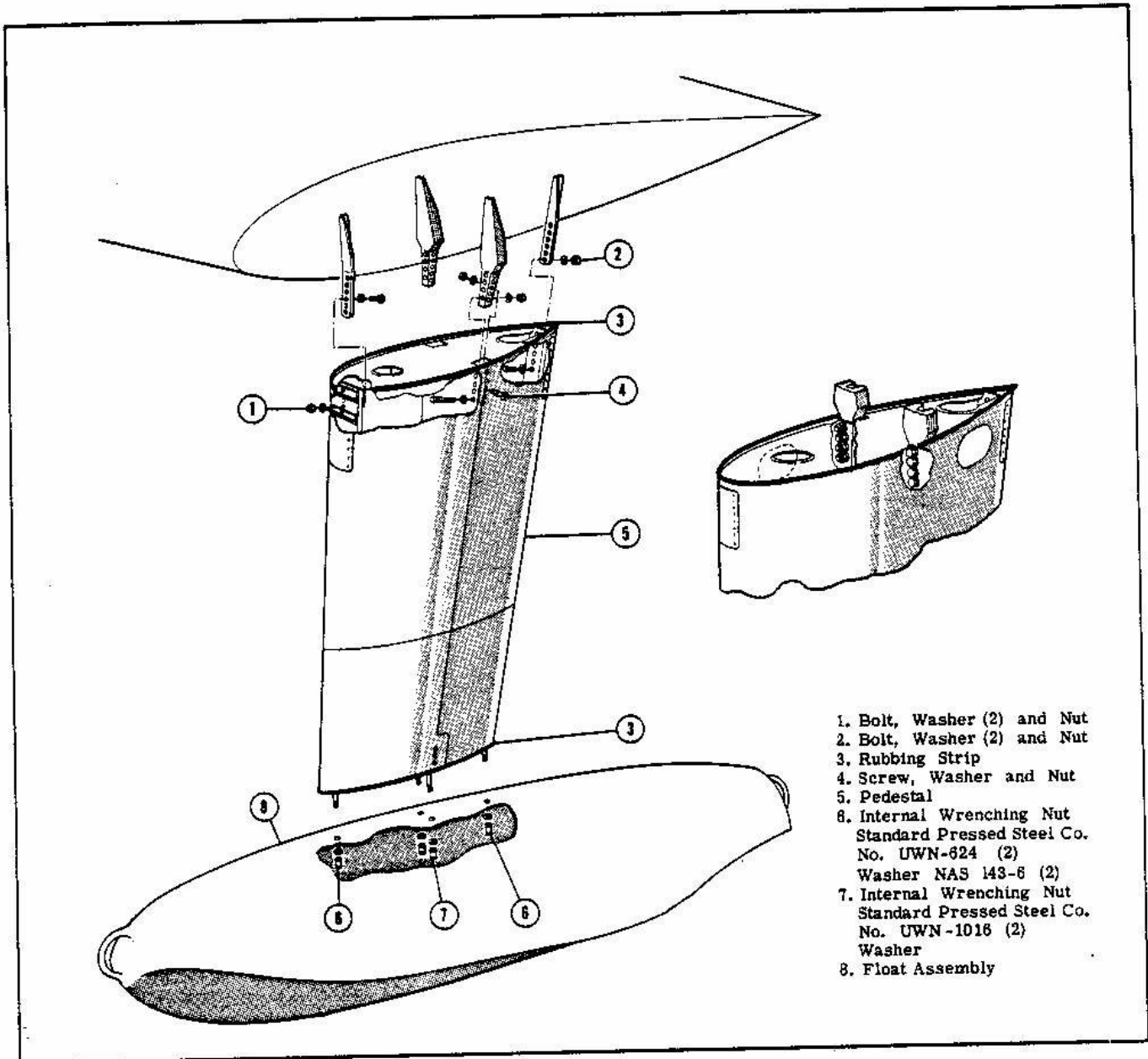


Figure 4-40. Wing Tip Float Installation—UF-1 Airplanes Ser No. 124374 through 124379

4-218E. REPAIR. If small leaks develop, they can usually be repaired by brushing on Fuller's Zinc Chromate Tank Slushing Compound, TL-652, Pressite Engineering Company 2D-113A, Air Force Specification 3595 or Specification MIL-L-6047A (ASG) aromatic fuel resistant lacquer. The recommended procedure for any float tank having several leaks is as follows:

a. Close all openings, apply 5 psi internal air pressure, and examine for leaks.

b. At each point of leakage, drill a No. 40 hole through outer skin, and inject either activated EC-801 compound or zinc chromate putty, Spec MIL-P-8116 (USAF), into leaking seam or cavity. Close each No. 40 hole with an AN 470D3-5 rivet; then permit EC-

801 compound or zinc chromate putty to cure for 6 hours.

c. Apply a brush coat of Fuller's zinc chromate tank slushing compound TL-652, or Pressite Engineering Company 2D-113A, Air Force Spec 3595, to inside surface of all repaired areas.

d. Close all openings, and apply 5 psi internal air pressure. Maintain air pressure at 5 psi for 2 hours to force slushing compound into all leaks.

e. Release pressure, and permit to stand for 48 hours.

f. Close all openings, apply 5 psi internal air pressure, and examine for leaks.

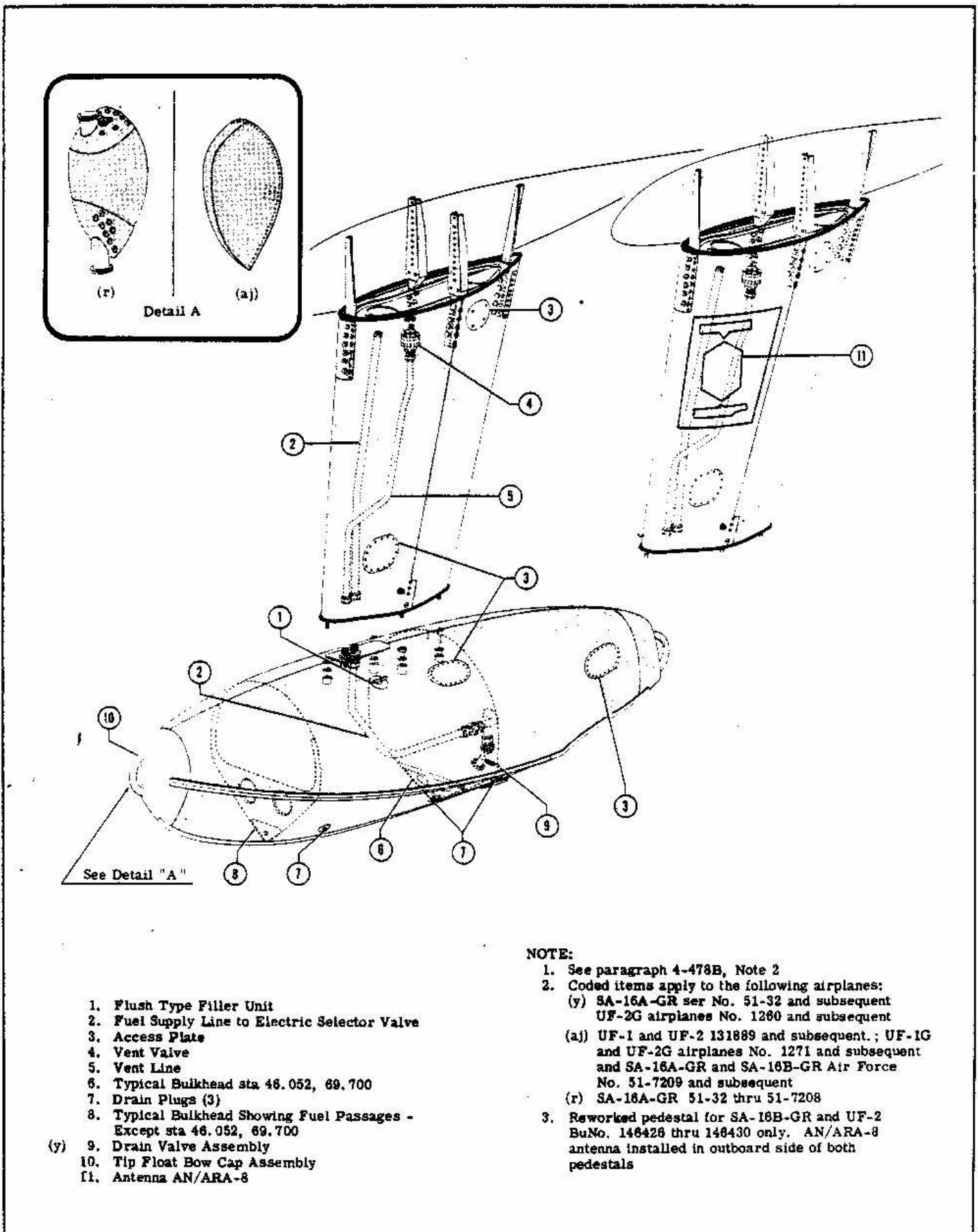


Figure 4-40A. Wing Tip Float Installation

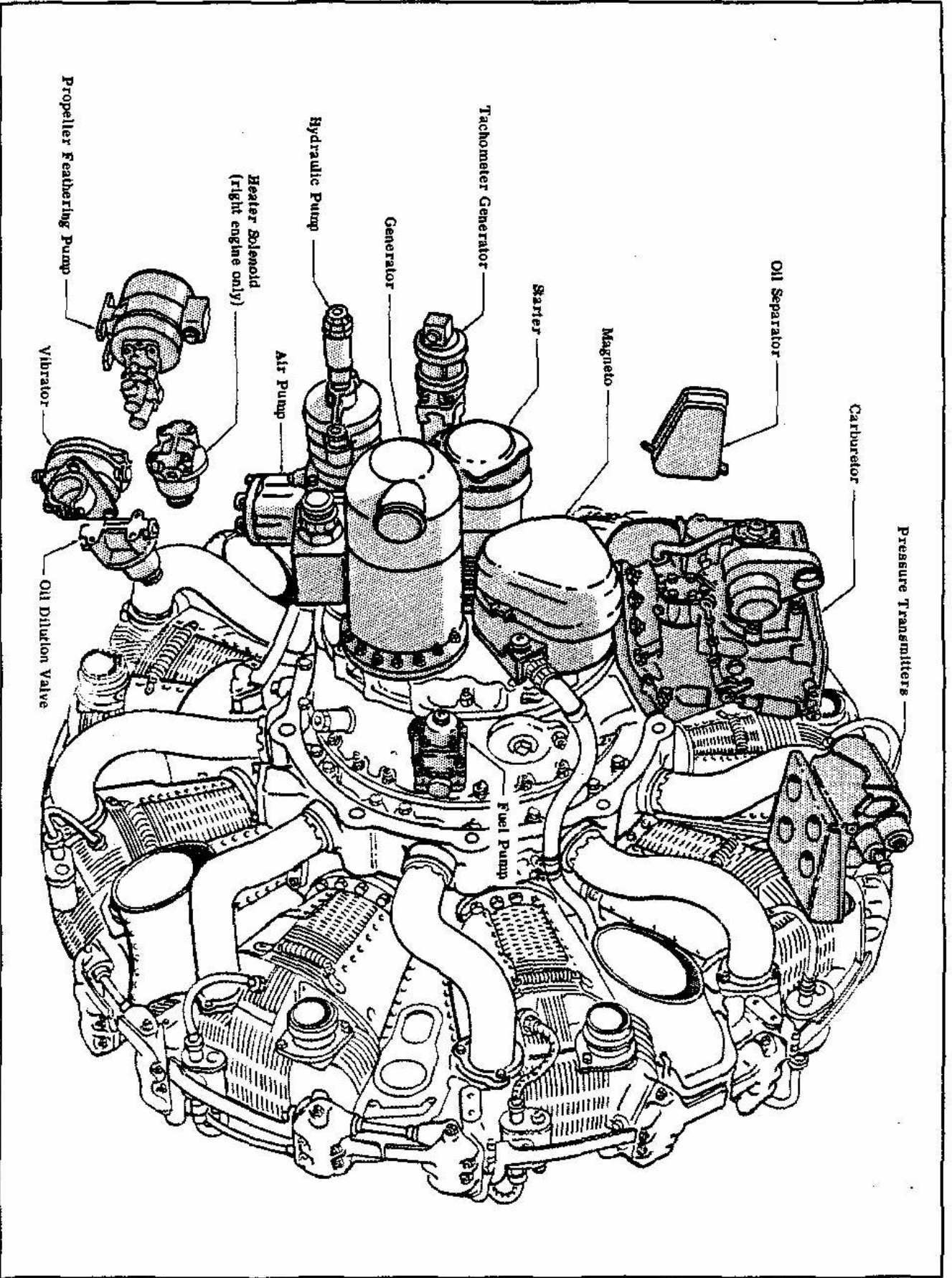
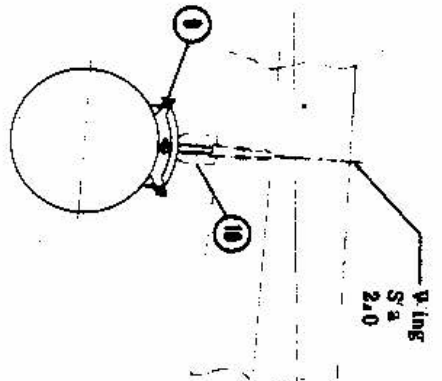
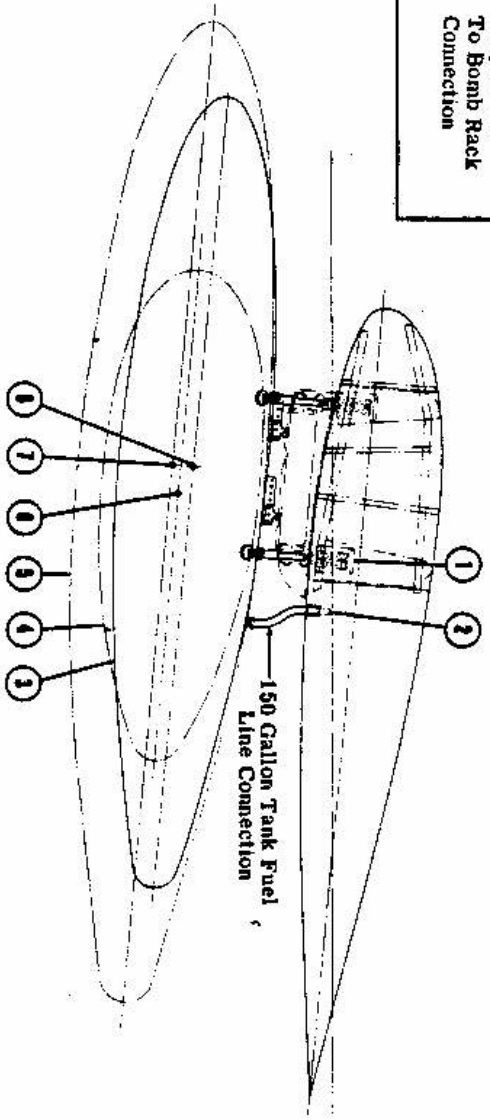
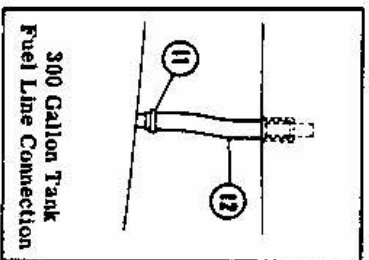
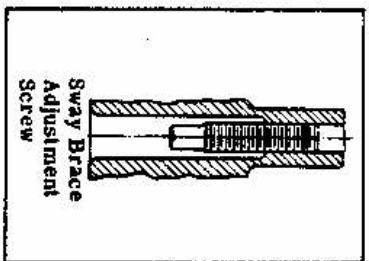
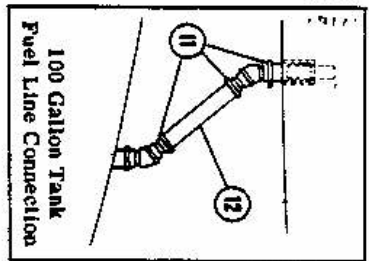
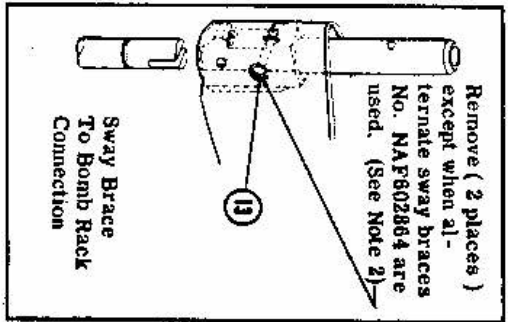


Figure 4-61E. Engine Accessories—Uf-2 Airplanes Ser No. 148324 through 148329



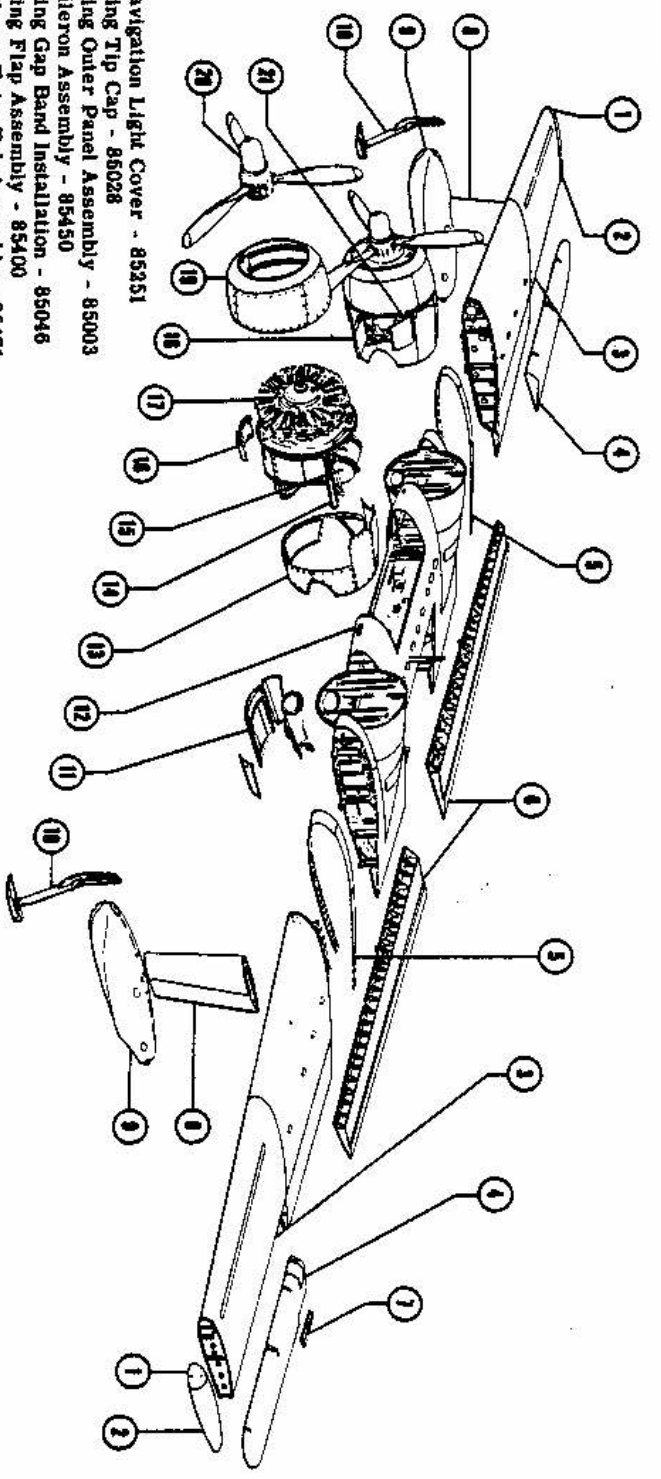
1. Bomb Rack Support
 2. Drop Tank Fuel Line Fitting
 3. MK 12 - 150 gal Tank Assembly
 4. MK 4 - 100 gal Tank Assembly
 5. MK 8 - 300 gal Tank Assembly
 6. 100 gal Tank cg
 7. 300 gal Tank cg
 8. 150 gal Tank cg
 9. Sway Brace and Pads (Part of "H" Kit)
 10. MK 51 Mod 12 Bomb Rack
 11. Clamp AN748-46 (Part of "H" Kit)
 12. Hose AN-H-35 (Part of "H" Kit)
 13. AN24-34A (2)
- AN364-428 (2) } Used with NAF602864
AN960-D416L (4) } only (See Note 2)

Expendable parts "H" Kit No. R82-K-613225
Includes the following items:

NAME	MFR. CODE	PART NO.	QTY
Lug	FBY	X9002	2
†Brace - Sway	YSD	7396	2
†Pad - Sway Brace	YSD	7400	4
Hose	Spec AN-H-35	1 in. ID x 18 in. long	1
Bolt	STD Part	AN6-12A	6
Nut	STD Part	AN316-10R	4
Clamp	STD Part	AN365-624	6
Washer	STD Part	AN748-46	1
†Washer	STD Part	AN960-616	12
	STD Part	AN960-1016	4

- NOTE**
1. For 100 gal tank only, include 3 pieces of AN-H-35, 1 in. ID hose (2 pieces approximately 4 in long and 1 piece approximately 8 in. long. Also add AN846-16D Elbow (2) and AN748-46 Clamp (3).
 2. Sway brace assemblies No. NAF602864 (Type Aero 1A) if available, may be used in place of items marked (†).

Figure 4-78. Droppable Fuel Tank Installation

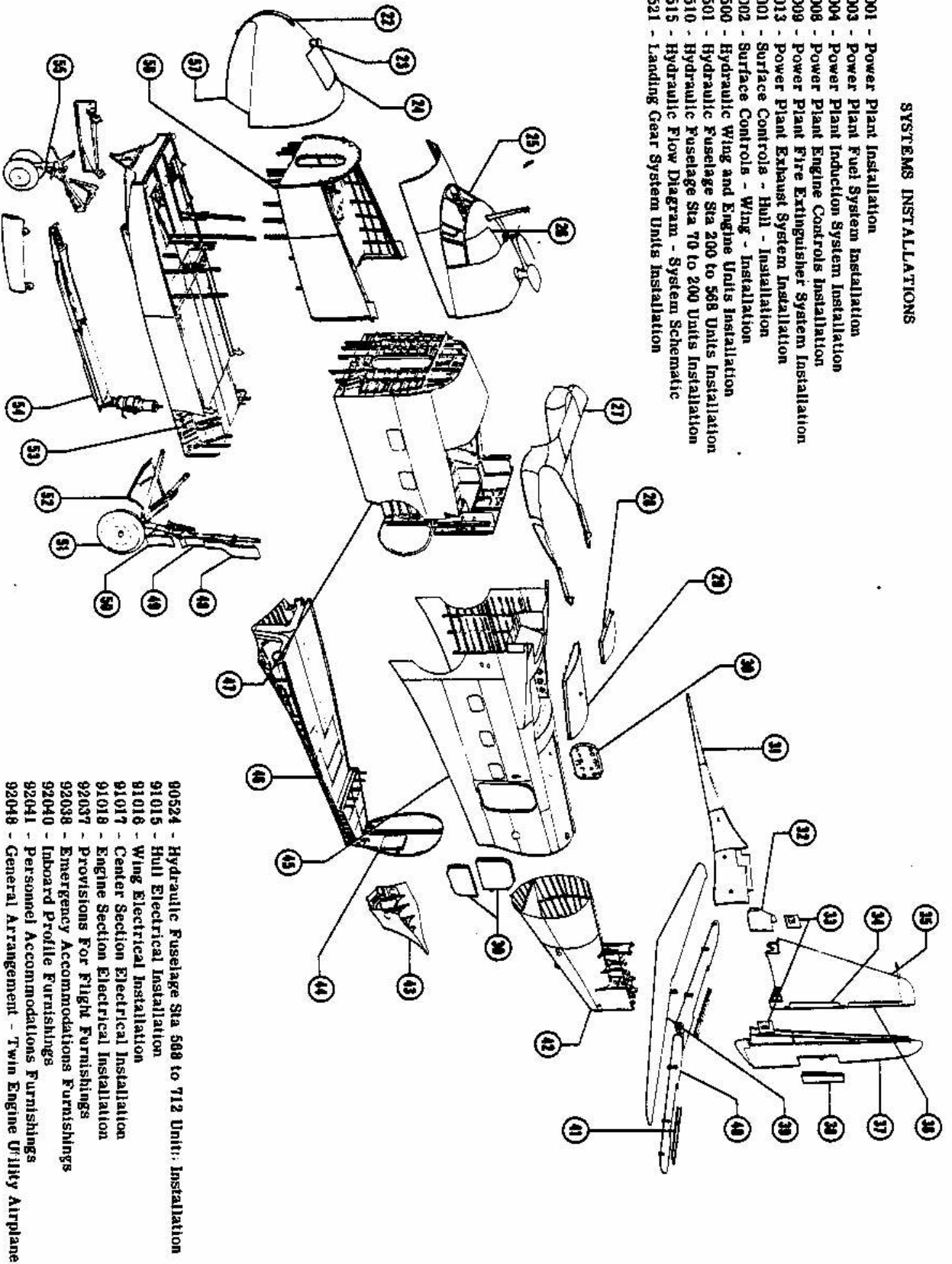


1. Navigation Light Cover - 85251
2. Wing Tip Cap - 86028
3. Wing Outer Panel Assembly - 85003
4. Aileron Assembly - 85450
5. Wing Gap Band Installation - 85046
6. Wing Flap Assembly - 85400
7. Aileron Trim Tab Assembly - 85471
8. Wing Float Pedestal - 88452
9. Wing Float - 88410 (98320 on Triphibian airplanes)
10. Outrigger Skid Assembly - 98300 (Triphibian airplanes)
11. Engine Section Nacelle Panel (Bottom) - 88725
12. Engine Section Nacelle Panel Installation - 89125
13. Wing Center Section Assembly - 85002
14. Engine Accessory Cowling - 88503
15. Oil System Installation - 89002
16. Engine Mount - 88550
17. Engine Wright No. R1820-76A, 76B
18. Engine Work Platform Door - 88505
19. Engine Cowling - 88502
20. Propeller Hub, Hamilton No. 43D50
21. Propeller Blade Design No. 6601A-7
22. Engine Accessory Compartment Upper Door - 88628
23. Bow Pendant - 92812
24. Snubbing Post - 87631
25. Bow Hatch Door - 87591
26. Cabin Windshield and Window Installation - 87730
27. Escape Hatch Doors - 87432
28. Wing to Hull Fairing - 87049
29. Emergency Life Raft Door - 87340
30. Cargo Hatch Door - 87028
31. Right Hand Cabin Door - 87902
32. Left Hand Upper Cabin Door - 87898
33. Left Hand Lower Cabin Door - 87899
34. Dorsal Fin - 87070
35. Fin and Elevator Enclosure Door - 86036
36. Fin Lower Access Door - 86165
37. Fin Upper Access Door - 86091
38. Fin Assembly - 86164
39. Rudder Assembly - 86003
40. Rudder Trim Tab Assembly - 86006
41. Stabilizer Assembly - 86007
42. Elevator Assembly - 86009
43. Elevator Trim Tab Assembly - 86012
44. Hull Tail Section Frame Assembly - 87016
45. Hull Rear Section Skin Assembly - 89094
46. Hull Rear Step Fairing - 87035
47. Hull 588 Bulkhead Door - 87672
48. Hull Alterbody Cabin Frame Assembly - 87015
49. Hull Alterbody Skin Assembly - 87056
50. Hull Aft Float Section Frame Assembly - 87085 (99152 on Triphibian airplanes)
51. Hull Aft Float Section Skin Assembly - 87093 (99154 on Triphibian airplanes)
52. Hull Forebody Frame Assembly - 87014
53. Hull Forebody Skin Assembly - 87092
54. Main Wheel Upper Strut Door - 88096
55. Main Wheels Shock Strut Upper Fairing - 88113
56. Main Wheels Hull Fairing - 88104
57. Main Gear Installation - 88000
58. Main Wheels Hull Door - 88083
59. Hull Forward Float Section Frame Assembly - 87012 (99151 on Triphibian airplanes)
60. Hull Forward Float Section Skin Assembly - 87053 (99153 on Triphibian airplanes)
61. Main Skid Assembly - 99140, 99141 (Triphibian airplanes)
62. Nose Wheel Installation - 88003
63. Side Cabin Enclosure Frame Assembly - 87011
64. Side Cabin Enclosure Skin Assembly - 87052
65. Bow Section Frame Assembly - 87082
66. Bow Section Skin Assembly - 87090

Figure A. (Sheet 1) Exploded View of SA-16A-GR, UF-1, UF-1 CG and UF-1T Airplanes

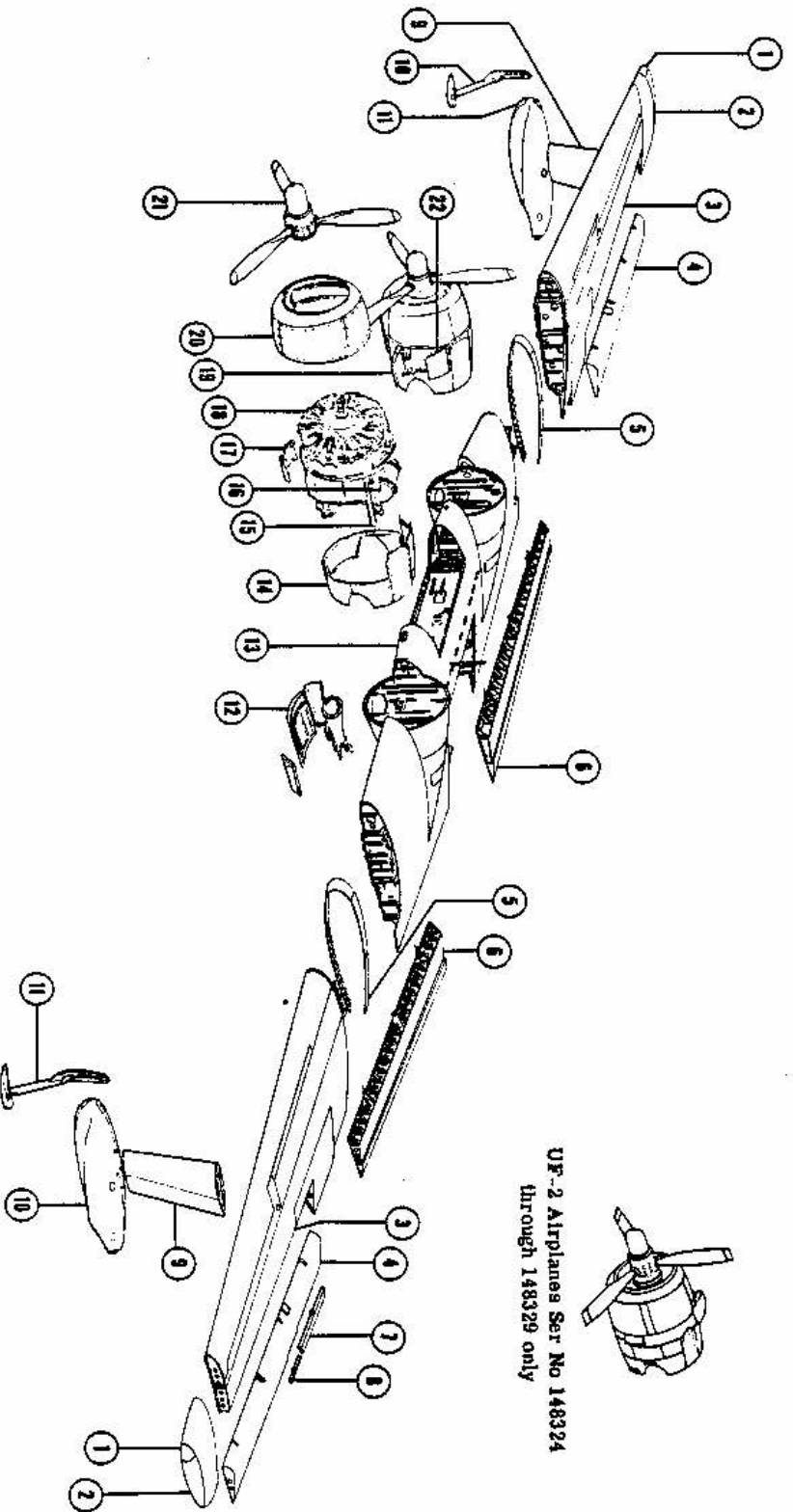
SYSTEMS INSTALLATIONS

- 88001 - Power Plant Installation
- 88003 - Power Plant Fuel System Installation
- 88004 - Power Plant Induction System Installation
- 88006 - Power Plant Engine Controls Installation
- 88009 - Power Plant Fire Extinguisher System Installation
- 88013 - Power Plant Exhaust System Installation
- 90001 - Surface Controls - Hull - Installation
- 90002 - Surface Controls - Wing - Installation
- 90500 - Hydraulic Wing and Engine Units Installation
- 90501 - Hydraulic Fuselage Sta 200 to 588 Units Installation
- 90510 - Hydraulic Fuselage Sta 70 to 200 Units Installation
- 90515 - Hydraulic Flow Diagram - System Schematic
- 90521 - Landing Gear System Units Installation



Revised 15 December 1957

Figure A. (Sheet 2) Exploded View of SA-16A-GR, UF-1, UF-1 CG and UF-1T Airplanes



UF-2 Airplanes Ser No 148324 through 148329 only

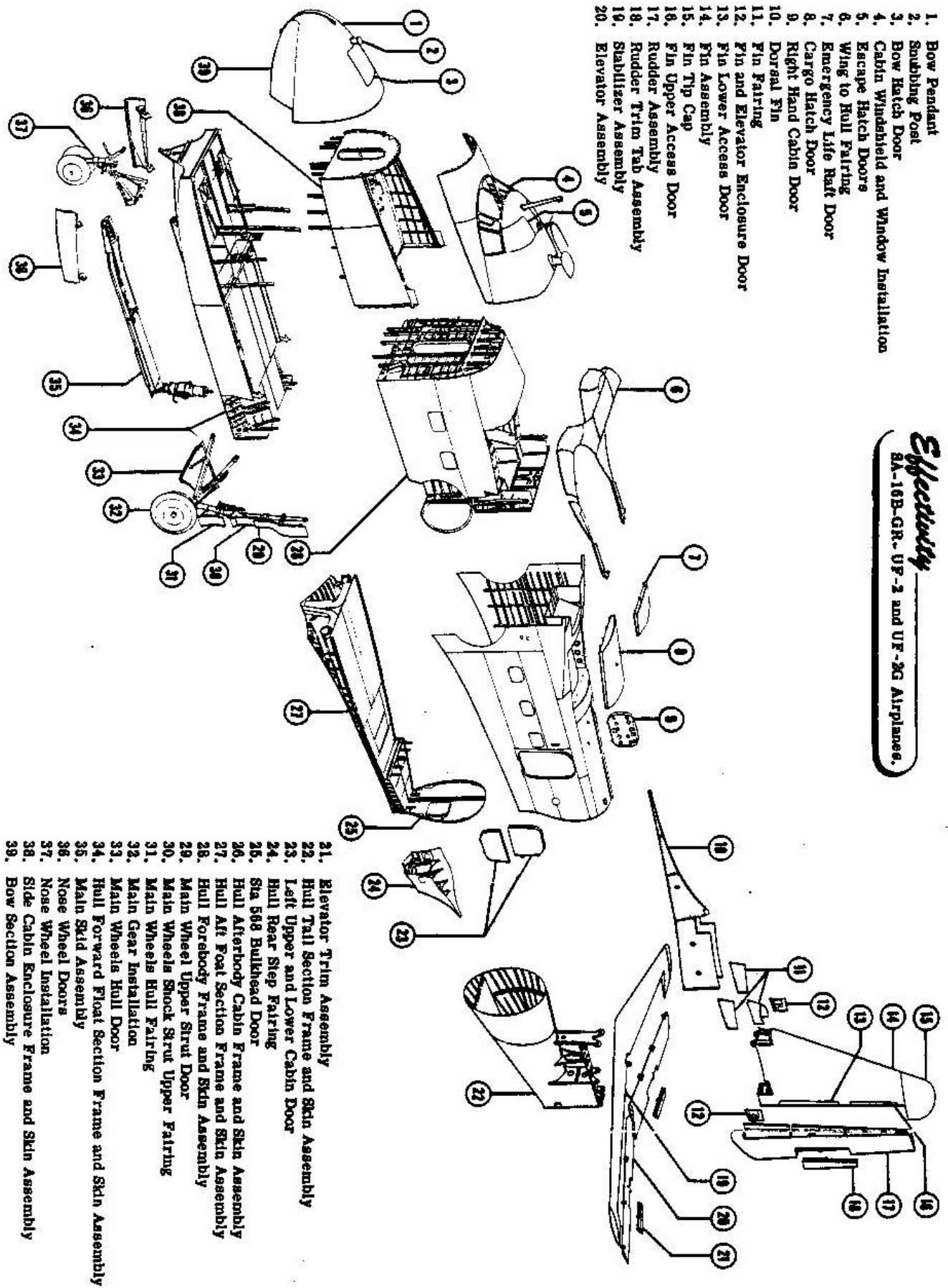
Electricity
SA-10B-GH, UF-2 and UF-2G Airplanes.

1. Navigation Light Cover
2. Wing Tip Cap
3. Wing Outer Panel
4. Aileron Assembly
5. Wing Gap Band Installation
6. Wing Flap Assembly
7. Aileron Balance Tab (Mechanically Operated)
8. Aileron Trim Tab (Electrically Operated)
9. Wing Float Pedestal
10. Wing Float
11. Outrigger Skid Assembly (SA-10B-GH Only)
12. Engine Section Nacelle Panel (Bottom, Right and Left) and Oil Cooler Shatter Installation

13. Wing Center Section Assembly
14. Engine Accessory Cowling
15. Engine Mount
16. Oil System Installation
17. Cowl Flap Assembly
18. Engine
19. Engine Work Platform Door
20. Engine Cowling
21. Propeller Hub and Blades
22. Engine Accessory Compartment Upper Door

Figure A-1. (Sheet 1) Exploded View of Airplane

Electricity
 SA-16B-GR - UF-2 and UF-2G Airplanes.



1. Bow Pendant
2. Sanitizing Post
3. Bow Hatch Door
4. Cabin Windowsield and Window Installation
5. Escape Hatch Doors
6. Wing to Hull Fairing
7. Emergency Life Raft Door
8. Cargo Hatch Door
9. Right Hand Cabin Door
10. Dorsal Fin
11. Fin Fairing
12. Fin and Elevator Enclosure Door
13. Fin Lower Access Door
14. Fin Assembly
15. Fin Tip Cap
16. Fin Upper Access Door
17. Rudder Assembly
18. Rudder Trim Tab Assembly
19. Stabilizer Assembly
20. Elevator Assembly

21. Elevator Trim Assembly
22. Hull Tail Section Frame and Skin Assembly
23. Left Upper and Lower Cabin Door
24. Hull Rear Step Fairing
25. Sta 588 Bulkhead Door
26. Hull Afterbody Cabin Frame and Skin Assembly
27. Hull Aft Post Section Frame and Skin Assembly
28. Hull Forebody Frame and Skin Assembly
29. Main Wheel Upper Strut Door
30. Main Wheels Shock Strut Upper Fairing
31. Main Wheels Hull Fairing
32. Main Gear Installation
33. Main Wheels Hull Door
34. Hull Forward Float Section Frame and Skin Assembly
35. Main Skid Assembly
36. Nose Wheel Doors
37. Nose Wheel Installation
38. Side Cabin Enclosure Frame and Skin Assembly
39. Bow Section Assembly

Figure A-1. (Sheet 2) Exploded View of Airplane

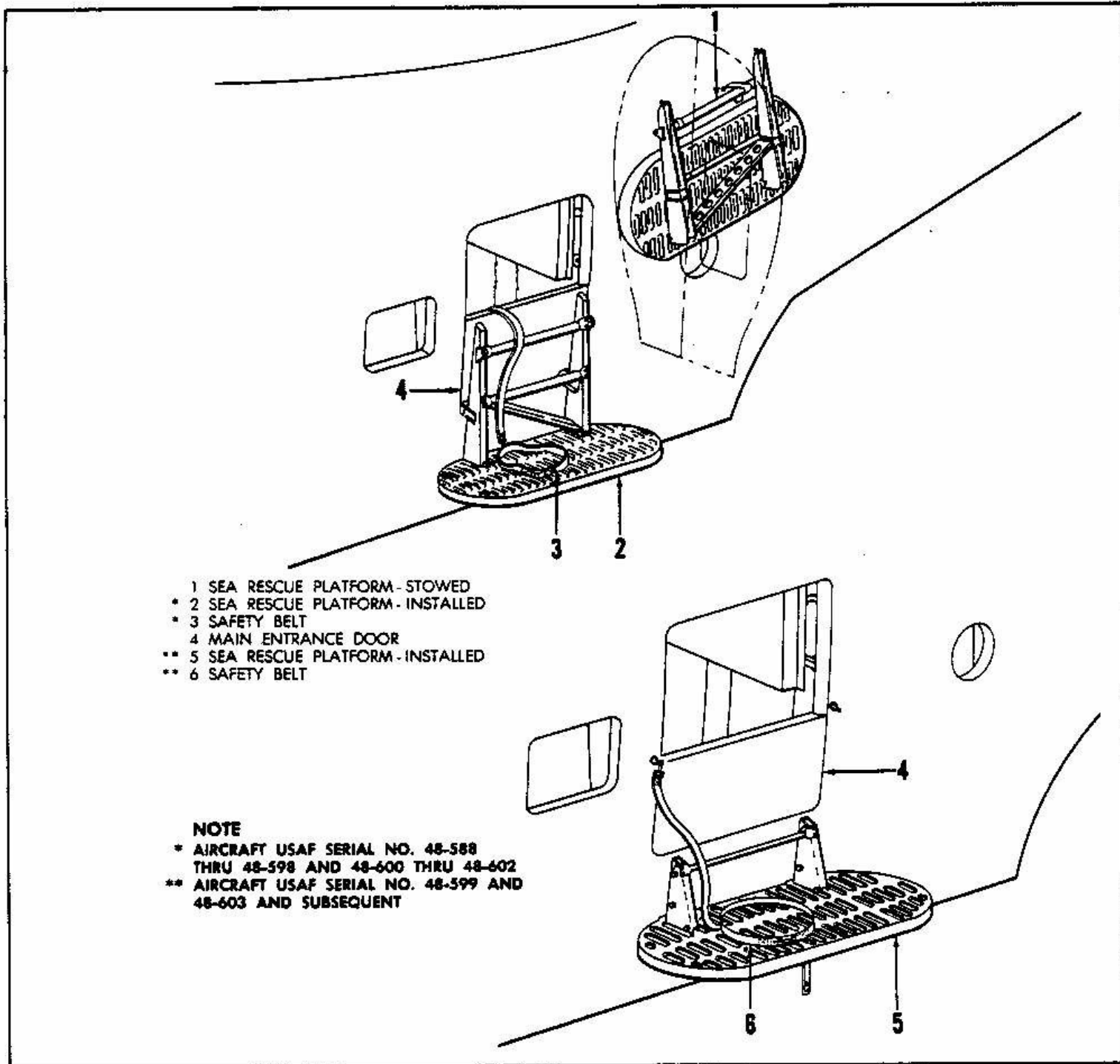


Figure 4-4. Sea Rescue Platform

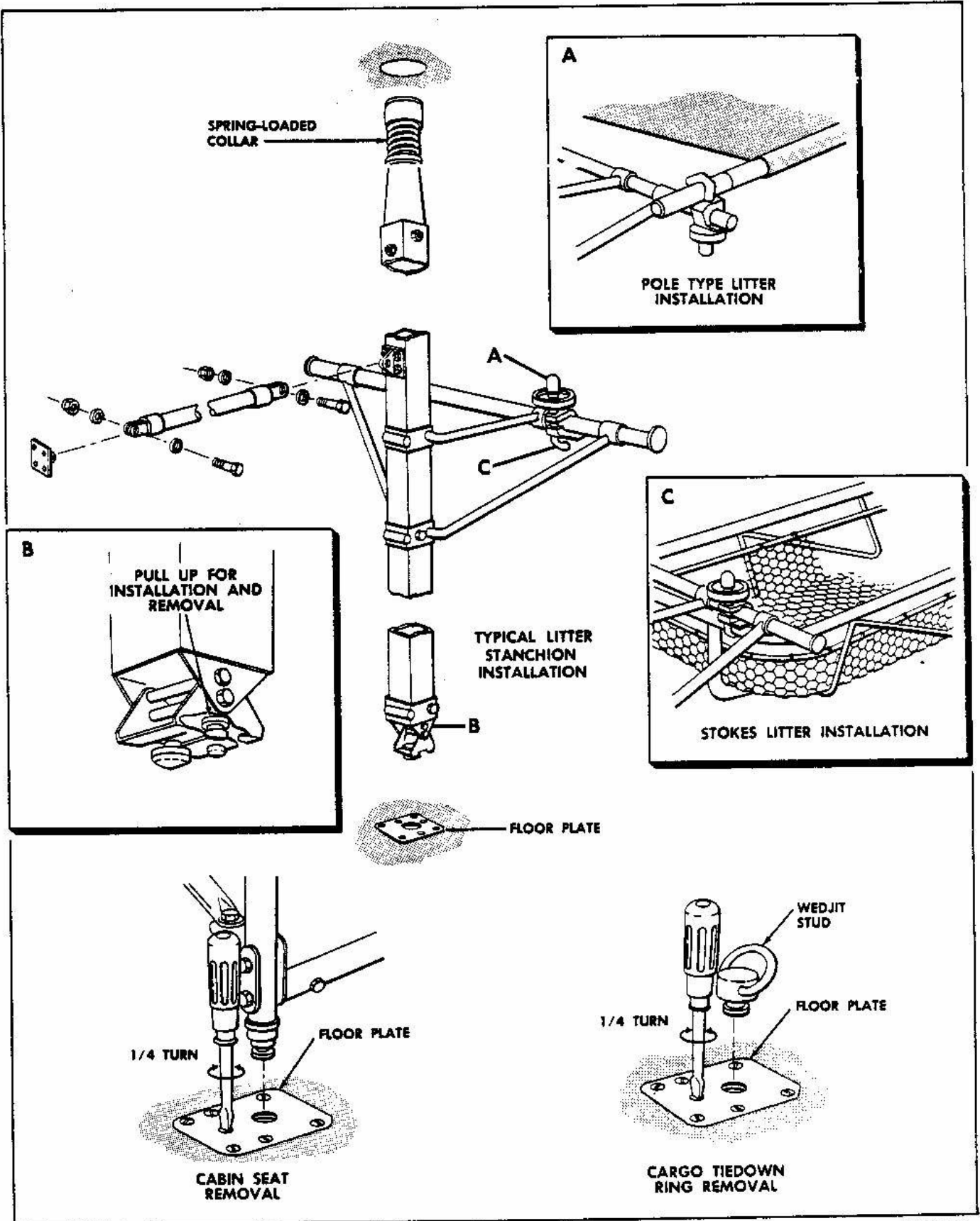


Figure 4-5. Cabin Floor Plate Applications

320-2-58