Cessna 182S-CHECKLIST PROCEDURES

PREFLIGHT INSPECTION

① CABIN

- Pitot Tube Cover -- REMOVE (if installed) and check for stoppage
- 2. Pilot's Operating Handbook AVAILABLE IN THE AIRPLANE
- 3. Airplane Weight and Balance CHECKED
- 4. Parking Brake SET
- 5. Control Wheel Lock REMOVE
- 6. Ignition Switch OFF
- 7. Avionics Power Switch OFF

WARNING

WHEN TURNING ON THE MASTER SWITCH, USING AN EXTERNAL POWER SOURCE, OR PULLING THE PROPELLER THROUGH BY HAND, TREAT THE PROPELLER AS IF THE IGNITION SWITCH WERE ON. DO NOT STAND, NOR ALLOW ANYONE ELSE TO STAND, WITHIN THE ARC OF THE PROPELLER, SINCE A LOOSE OR BROKEN WIRE OR A COMPONENT MALFUNCTION COULD CAUSE THE PROPELLER TO ROTATE.

- 8. Master Switch ON
- Fuel quantity Indicators CHECK QUANTITY (L Low Fuel R) and ENSURE LOW FUEL ANNUNCIATORS ARE EXTINGUISHED
- 10. Avionics Master Switch ON
- 11. Avionics Cooling Fan CHECK AUDIBLY FOR OPERATION
- 12. Avionics Master Switch OFF
- 13. Static Pressure Alternate Source Valve OFF
- 14. Annunciator Panel Switch PLACE AND HOLD IN TST POSITION and ensure all annunciators illuminate

15. Annunciator Panel Test Switch – RELEASE Check that appropriate annunciators remain on.

NOTE

When Master Switch is turned ON, some annunciators will flash for approximately 10 seconds before illuminating steadily. When panel TST switch is toggled up and held in position, all remaining lights will flash until the switch is released

- 16. Fuel Selector Valve BOTH
- 17. Flaps EXTEND
- 18. Pitot Heat ON (check that pitot heater is warm to the touch within 30 seconds with battery and pitot switches on)
- 19. Pitot Heat OFF
- 20. Master Switch OFF
- 21. Baggage door CHECK (lock with key)

EMPENNAGE

- 1. Rudder Gust Lock REMOVE
- 2. Tail Tie Down DISCONNECT
- Control Surfaces Freedom of movement and Security
- 4. Trim Tab CHECK Security
- 5. Antennas CHECK for security of attachment and general condition

RIGHT WING Trailing Edge

- 1. Aileron CHECK freedom of movement and security
- 2. Flap CHECK for security and condition

RIGHT WING

- 1. Wing Tie Down DISCONNECT
- 2. Fuel Tank Vent Opening CHECK for Stoppage
- 3. Main Wheel Tire CHECK for proper inflation and general condition (weather checks, tread depth and wear)

WARNING

IF, AFTER REPEATED SMAPLING, EVIDENCE OF CONTANIMATION STILL EXISTS, THE AIRPLANE SHOULD NOT BE FLOWN. TANKS SHOULD BE DRAINED AND SYSTEM PURGED BY QUALIFIED MAINTENANCE PERSONNEL. ALL EVIDENCE OF CONTAMINATION MUST BE REMOVED BEFORE FURTHER FLIGHT.

- 4. Fuel Tank Sump Quick Drain Valves -- DRAIN at least a cupful of fuel (using sampler cup) from each sump location to check for water, sediment, and proper fuel grade before each flight and after each refueling. If water is observed, take further samples until clear and then gently rock wings and lower tail to the ground to move any additional contaminants to the sampling points. Take repeated samples from all fuel drain points until all contamination has been removed. If contaminants are still present, refer to above WARNING and do not fly airplane
- 5. Fuel Quantity CHECK VISUALLY for desired level
- 6. Fuel Filler Cap SECURE and VENT UNOBSTRUCTED

NOSE

- Static Source opening (right side of fuselage) Check for blockage
- 2. Fuel Strainer Quick Drain Valve (Located on bottom of fuselage) DRAIN at least a cupful of fuel (using sampler cup) from valve to check for water, sediment, and proper fuel grade before each flight and after each refueling. If water is observed, take further samples until clear and then gently rock wings and lower tail to the ground to move any additional contaminants to the sampling points. Take repeated samples from all fuel drain points until all contamination has been removed
- 3. Reservoir Quick Drain Valve and Fuel Selector Quick Drain Valve -- DRAIN at least a cupful of fuel (using sampler cup) from valve to check for water, sediment, and proper fuel grade before each flight and after each refueling. If water is

observed, take further samples until clear and then gently rock wings and lower tail to the ground to move any additional contaminants to the sampling points. Take repeated samples from all fuel drain points until all contamination has been removed

- Engine Oil Dipstick/Filler Cap CHECK oil level, then check dipstick/filler cap SECURE. Do not operate with less than four quarts. Fill to nine quarts for extended flight
- 5. Engine Cooling Air Inlets CLEAR of obstructions
- 6. Propeller and Spinner CHECK for nicks and security
- 7. Air Filter CHECK for restrictions by dust or other foreign matter
- 8. Nose Wheel Strut and Tire CHECK for proper inflation of strut and general condition (weather checks, tread depth and wear of tire)
- 9. Left Static Source Opening CHECK for stoppage

LEFT WING

- 1. Fuel Quantity CHECK VISUALLY for desired level
- 2. Fuel Filler Cap SECURE and VENT UNOBSTRUCTED
- 3. Fuel Tank Sump Quick Drain Valves -- DRAIN at least a cupful of fuel (using sampler cup) from each sump location to check for water, sediment, and proper fuel grade before each flight and after each refueling. If water is observed, take further samples until clear and then gently rock wings and lower tail to the ground to move any additional contaminants to the sampling points. Take repeated samples from all fuel drain points until all contamination has been removed. If contaminants are still present, refer to WARNING on page 4-9 and do not fly airplane
- 4. Main Wheel Tire CHECK for proper inflation and general condition (weather checks, tread depth and wear)

LEFT WING Leading Edge

- Pitot Tube Cover -- REMOVE (if installed) and check for stoppage
- 2. Fuel Tank Vent Opening CHECK for Stoppage
- 3. Stall Warning Opening CHECK for stoppage. To check the system, place a clean handkerchief over the vent opening and apply suction; a sound form the warning horn will confirm system operation
- 4. Wing Tie Down DISCONNECT
- 5. Landing/Taxi Light(s) CHECK for condition and cleanliness of cover

LEFT WING Trailing Edge

- 1. Aileron CHECK for freedom of movement and security
- 2. Flap CHECK for security and condition

BEFORE STARTING ENGINE

- 1. Preflight Inspection COMPLETE
- 2. Passenger Briefing -- COMPLETE
- Seats, Seat Belts and shoulder harness ADJUST AND LOCK
- 4. Brakes TEST AND SET
- 5. Circuit Breakers CHECK IN
- 6. Electrical Equipment OFF

CAUTION

THE AVIONICS POWER SWITCH MUST BE OFF DURING ENGINE START TO PREVENT POSSIBLE DAMAGE TO AVIONICS.

- 7. Avionics Power Switch OFF
- 8. Autopilot -- OFF
- 9. Cowl flaps -- OPEN
- 10. Fuel Selector Valve BOTH
- 11. Avionics circuit Breakers CHECK IN

STARTING ENGINE (With Battery)

- 1. Throttle OPENING 1/4 INCH
- 2. Propeller HIGH RPM
- 3. Mixture IDLE CUT OFF
- 4. Propeller Area CLEAR
- 5. Master Switch ON
- 6. Auxiliary Fuel Pump Switch ON
- 7. Mixture ADVANCE to obtain 3 to 4 seconds fuel flow, then return to IDLE CUT OFF position

NOTE

If engine is warm, omit priming procedure of step 7 above

- 8. Ignition Switch START (release when engine starts)
- 9. Mixture ADVANCE smoothly to RICH when engine fires

NOTE

If engine floods, turn off auxiliary fuel pump, place mixture In idle cutoff, open throttle ½ to full, and crank engine. When engine fires, advance mixture to full rich and retard throttle promptly

- 10. Oil Pressure CHECK
- 11. Auxiliary Fuel Pump OFF
- 12. Navigation Lights and Flashing Beacon ON as required
- 13. Avionics Power Switch ON
- 14. Radios ON
- 15. Flaps RETRACT

AUTOPILOT NORMAL PROCEDURES

PREFLIGHT (PERFORM PRIOR TO EACH FLIGHT)

- GYROS Allow time for the turn coordinator to come up to speed, as evidence by the turn coordinator flag being pulled
- 2. AVIONICS MASTER ON
- 3. POWER APPLICATION AND SELF TEST

A Power application is performed upon power application to the computer. This test is a sequence of internal checks that validate proper system operation prior to allowing normal system operation. The sequence is indicated by "PFT" (pre-flight test) with an increasing number for the sequence steps. Successful completion of self test is identified by all display segments being illuminated (Display Test) and the disconnect tone sounding

- 4. AUTOPILOT ENGAGE by pressing AP button
- 5. FLIGHT CONTROLS MOVE left and right to verify that the autopilot can be overpowered

NOTE

Normal use will not require the autopilot to be overpowered

6. A/P DISC Switch – PRESS Verify that the autopilot disconnects and tone sounds.

BEFORE TAKEOFF:

Autopilot – OFF

STARTING ENGINE (With External Power)

- 1. Throttle OPEN 1/4 INCH
- 2. Propeller HIGH RPM
- 3. Mixture IDLE CUT OFF
- 4. Propeller Area CLEAR
- 5. External Power CONNECT to airplane receptacle
- 6. Master Switch ON
- 7. Auxiliary Fuel Pump Switch ON
- 8. Mixture ADVANCE to obtain 3 to 4 seconds fuel flow, then return to IDLE CUT OFF position

NOTE

If engine is warm, omit priming procedure of step 8 above

9. Ignition Switch – START (release when engine starts) 10. Mixture – ADVANCE smoothly to RICH when engine fires

NOTE

If engine floods, turn off auxiliary fuel pump, place mixture In idle cutoff, open throttle ½ to full, and crank engine. When engine fires, advance mixture to full rich and retard throttle promptly

- 11. Oil Pressure CHECK
- 12. Auxiliary Fuel Pump OFF
- 13. External Power DISCONNECT from airplane receptacle
- 14. Navigation Lights and Flashing Beacon ON as required
- 15. Avionics Power Switch ON
- 16. Radios ON
- 17. Flaps RETRACT

BEFORE TAKEOFF

- Parking Brake SET
- 2. Passenger Seat Backs MOST UPRIGHT POSITION
- 3. Seats and Seat Belts CHECK SECURE
- 4. Cabin Doors CLOSED AND LOCKED
- 5. Flight Controls FREE AND CORRECT
- 6. Flight instruments CHECK and SET
- 7. Fuel Quantity CHECK
- 8. Mixture RICH
- 9. Fuel Selector Valve RECHECK BOTH
- 10. Elevator Trim SET FOR TAKEOFF
- 11. Throttle 1800 RPM
 - Magnetos CHECK (RPM drop should not exceed 150 RPM on either magneto or 50 RPM differential between magnetos)
 - b. Propeller cycle from HIGH to LOW RPM. Return to HIGH RPM (full in)
 - c. Suction Gage CHECK
 - d. Engine Instruments and Ammeter CHECK
- 12. Annunciator Panel Ensure no annunciators are illuminated
- 13. Throttle 800-1000 RPM
- 14. Throttle Friction Lock ADJUST
- 15. Strobe Lights AS DESIRED
- 16. Radios and Avionics SET
- 17. Autopilot (if installed) OFF
- 18. Wing Flaps SET for Takeoff (0°- 20°)
- 19. Cowl Flaps -- OPEN
- 20. Brakes RELEASE

TAKEOFF NORMAL TAKEOFF

- 1. Wing Flaps -- 0° 20°
- 2. Power FULL THROTTLE and 2400 RPM
- 3. Mixture RICH (mixture may be leaned to MAX Power Fuel Flow Placard)
- 4. Elevator Control LIFT NOSE WHEEL (at 50-60 KIAS)
- 5. Climb Speed 70 KIAS--20°, 80 KIAS -- 0°
- 6. Wing Flaps -- RETRACT

SHORT FIELD TAKEOFF

- 1. Wing Flaps -- 20°
- 2. Brakes APPLY
- 3. Power Full Throttle and 2400 RPM
- 4. Mixture RICH (mixture may be leaned to MAX Power Fuel Flow placard
- 5. Brakes RELEASE
- 6. Elevator Control SLIGHTLY TAIL LOW
- 7. Climb Speed 58 KIAS (until all obstacles are cleared)
- 8. FLAPS retract slowly after reaching 70 KIAS

ENROUTE CLIMB

- 1. Airspeed 85-95 KIAS
- 2. Power Power 23 in. Hg. or Full throttle, (whichever is less) and 2400 RPM
- 3. Mixture 15 GPH or Full Rich (whichever is less)
- 4. Fuel Selector Valve BOTH
- 5. Cowl Flaps OPEN

MAX PERFORMANCE CLIMB

- 1. Airspeed -- 80 KIAS at Sea level to 72 KIAS at 10,000 feet
- 2. Power Full Throttle and 2400 RPM
- 3. Mixture -- mixture may be leaned to MAX Power Fuel Flow Placard
- 4. Cowl Flaps OPEN
- 5. Fuel Selector Valve -- BOTH

CRUISE

- 1. Power 15-23 In Hg. 2000-2400 RPM (No more than 80% is recommended)
- 2. Elevator and Rudder Trim ADJUST
- 3. Mixture LEAN
- 4. Cowl Flaps -- CLOSE

DESCENT

- 1. Power AS DESIRED
- 2. Mixture ENRICH as required
- 3. COWL FLAPS -- CLOSE
- 4. Fuel Selector Valve BOTH
- 5. Flaps 0-10° (140 KIAS and below), 10-20° (120 KIAS and below), 20-Full (100 KIAS and below)

BEFORE LANDING

- Pilot and Passenger Seat Backs -- MOST UPRIGHT POSITION
- 2. Seats and Seat Belts SECURED AND LOCKED
- 3. Fuel Selector Valve BOTH
- 4. Mixture RICH
- 5. Propeller HIGH RPM
- 6. Landing/Taxi Lights ON
- 7. Autopilot (if installed) OFF

LANDING

NORMAL LANDING

- 1. Airspeed 70-80 KIAS (flaps UP)
- 2. Flaps 0-10° (140 KIAS and below), 10-20° (120 KIAS and below), 20-Full (100 KIAS and below)
- 3. Airspeed 60-70 KIAS (flaps DOWN)
- 4. Power -- REDUCE to idle as obstacle cleared
- 5. Trim ADJUST as desired
- 6. Touchdown MAIN WHEELS FIRST
- 7. Landing Roll LOWER NOSE WHEEL GENTLY
- 8. Braking MINIMUM REQUIRED

SHORT FIELD LANDING

- 1. Airspeed 70-80 KIAS (flaps UP)
- 2. Wing Flaps Full DOWN (below 100 KIAS)
- 3. Airspeed 60 KIAS (until flare)
- 4. Trim Adjust as desired
- 5. Touchdown MAIN WHEELS FIRST
- 6. Brakes APPLY HEAVILY
- 7. Wing Flaps RETRACT

BALKED LANDING

- 1. FULL THROTTLE and 2400 RPM
- 2. Wing Flaps RETRACT TO 20°
- 3. Climb Speed 55KIAS
- 4. Wing Flaps -- RETRACT slowly after reaching safe altitude and 70 KIAS
- 5. Cowl Flaps OPEN

AFTER LANDING

- 1. Wing Flaps UP
- 2. Cowl Flaps -- OPEN

SECURING AIRPLANE

- 1. Parking Brake SET
- 2. Throttle -- IDLE
- 3. Avionics Power Switch, Electrical Equipment , Autopilot (if Installed) OFF
- 4. Mixture –IDLE CUT OFF (pull full out)
- 5. Ignition Switch OFF
- 6. Master Switch OFF
- 7. Control Lock INSTALL
- 8. Fuel Selector Valve—LEFT or RIGHT to prevent cross feeding

AIRSPEEDS

AIRSPEEDS FOR NORMAL OPERATION

Unless otherwise noted, the following speeds are based on a maximum weight of 3100 pounds and may be used for any lesser weight.

Takeoff:		
Normal Climb Out	70-80 KIAS	
Short Field Takeoff, Flaps 10°, Speed at 50 F	Feet58 KIAS	
Enroute Climbs, Flaps Up:		
Normal, Sea Level	85-95 KIAS	
Best Rate-of-Climb, Sea Level	80 KIAS	
Best Rate-of-Climb, 10,000 Feet	72 KIAS	
Best Angle-of-Climb, Sea Level		
Best Angle-of-Climb, 10,000 Feet		
Landing Approach: (2950 pounds)		
Normal Approach, Flaps Up	70-80 KIAS	
Normal Approach, Flaps Full		
Short Field Approach, Flaps Full		
Balked Landing: (2950 pounds)		
Maximum Power, Flaps 20°	55 KIAS	
Maximum Recommended Turbulent Air Penetration Speed:		
3100 Lbs	•	
2600 Lbs		
2100 Lbs		
Maximum Demonstrated Crosswind Velocity:		
Takeoff or Landing	15 KNOTS	
~		

EMERGENCY PROCEDURES

AIRSPEEDS

AIRSPEEDS FOR EMERGENCY OPERATION

Engine Failure after Takeoff:	
Wing Flaps Up	
Wing Flaps Down	70 KIAS
Maneuvering Speed:	
3100 Lbs	110 KIAS
2600 Lbs	101 KIAS
2100 Lbs	88 KIAS
Maximum Glide:	
3100 Lbs	75 KIAS
2600 Lbs	70 KIAS
2100 Lbs	62 KIAS
Precautionary Landing With Engine Power	70 KIAS
Landing Without Engine Power:	
Wing Flaps Up	75 KIAS
Wing Flaps Down	70 KIAS

EMERGENCY PROCEDURES CHECKLIST

Procedures in the Emergency Procedures Checklist portion of this section shown in **bold faced** type are immediate action items which should be committed to memory

ENGINE FAILURES

ENGINE FAILURE DURING TAKEOFF ROLL

- 1. Throttle IDLE
- 2. Brakes APPLY
- 3. Wing Flaps RETRACT
- 4. Mixture IDLE CUT OFF
- 5. Ignition Switch OFF
- 6. Master Switch OFF

ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

- 1. Airspeed 75 KIAS (flaps UP) 70 KIAS (flaps DOWN)
- 2. Mixture IDLE CUT OFF
- 3. Fuel Selector Valve push down and rotate to OFF
- 4. Ignition Switch OFF
- 5. Wing Flaps AS REQUIRED. (Full Recommended)
- 6. Master Switch OFF
- 7. Cabin Door UNLATCH
- 8. Land STRAIGHT AHEAD

ENGINE FAILURE DURING FLIGHT (Restart Procedures)

- 1. Airspeed 75 KIAS. (Best Glide Speed)
- 2. Fuel Selector Valve BOTH
- 3. Auxiliary Fuel Pump Switch ON
- 4. Mixture RICH (if restart has not occurred)
- 5. Ignition Switch BOTH (or START if propeller is stopped)

FORCED LANDINGS

EMERGENCY LANDING WITHOUT ENGINE POWER

- 1. Passenger Seat Backs MOST UPRIGHT POSITION
- 2. Seats and Seatbelts SECURE
- Airspeed 75 KIAS (flaps UP)
 70 KIAS (flaps DOWN)
- 4. Mixture IDLE CUTOFF
- 5. Fuel Selector Valve Push down and rotate OFF
- 6. Ignition Switch OFF
- 7. Wing Flaps AS REQUIRED (Full recommended)
- 8. Master Switch OFF (when landing is assured)
- 9. Doors UNLATCH PRIOR TO TOUCHDOWN
- 10. Touchdown SLIGHTLY TAIL LOW
- 11. Brakes APPLY HEAVILY

PRECAUTIONARY LANDING WITH ENGINE POWER

- Passenger Seat Backs MOST UPRIGHT POSITION
- 2. Seat and Seat Belts SECURE
- 3. Airspeed 75 KIAS
- 4. Wing Flaps -- 20°
- 5. Selected field FLY OVER, noting terrain and obstructions, then retract flaps upon reaching a safe altitude and airspeed
- 6. Avionics Power Switch and Electrical Switches OFF
- 7. Wing Flaps -- Full (on final approach)
- 8. Airspeed 70 KIAS
- 9. Master Switch OFF
- 10. Doors UNLATCH PRIOR TO TOUCHDOWN
- 11. Touchdown SLIGHTLY TAIL LOW
- 12. Ignition Switch OFF
- 13. Brakes APPLY HEAVILY

DITCHING

- 1. Radio TRANSMIT MAYDAY on 121.5 MHz, giving location and intentions and SQUAWK 7700
- 2. Heavy Objects (in baggage area) SECURE OR JETTISON (if possible)
- 3. Passenger Seat Backs MOST UPRIGHT POSITION
- 4. Seats and Seat Belts SECURE
- 5. Wing Flaps -- 20° to 30°
- 6. Power ESTABLISH 300 FT/MIN DESCENT AT 65 KIAS

NOTE

If no power is available, approach at 70 KIAS with flaps up or at 65 KIAS with 10° flaps

- 7. Approach High Winds, Heavy Seas INTO THE WIND Light winds, Heavy Swells PARALLEL TO SWELLS
- 8. Cabin Doors UNLATCH
- Touchdown LEVEL ATTITUDE AT ESTABLISHED RATE OF DESCENT
- 10. Face CUSHION at touchdown with folded coat
- 11. ELT Activate
- Airplane EVACUATE through cabin doors. If necessary, open window and flood cabin to equalize pressure so doors can be opened
- 13. Life Vests and Raft INFLATE WHEN CLEAR OF AIRPLANE

FIRES

DURING START ON GROUND

 Cranking – CONTINUE to get a start which would suck the flames and accumulated fuel into the engine

If engine starts:

- 2. Power 1700 RPM for a few minutes
- 3. Engine SHUTDOWN and inspect for damage

If engine fails to start:

- 4. Throttle FULL OPEN
- 5. Mixture IDLE CUT OFF
- 6. Cranking CONTINUE
- 7. Fuel Selector Valve Push down and rotate to OFF
- 8. Auxiliary Fuel Pump OFF
- 9. Fire Extinguisher OBTAIN (have ground attendants obtain not installed)
- 10. Engine SECURE
 - a. Master Switch OFF
 - b. Ignition Switch OFF
- 11. Parking Brake RELEASE
- 12. Airplane EVACUATE
- 13. Fire EXTINGUISH using fire extinguisher, wool blanket, or dirt
- 14. Fire Damage INSPECT repair damage or replace damaged components or wiring before conducting another flight

ENGINE FIRE IN FLIGHT

- 1. Mixture IDLE CUT OFF
- 2. Fuel Selector Valve Push down and rotate to OFF
- 3. Auxiliary Fuel Pump Switch OFF
- 4. Master Switch OFF
- 5. Cabin Heat and Air OFF (except overhead vents)
- Airspeed 100 KIAS (if fire is not extinguished, increase glide speed to find an airspeed – within airspeed limitations – which will provide an incombustible mixture)
- 7. Forced Landing EXECUTE (as described in Emergency Landing without Engine Power)

ELECTRICAL FIRE IN FLIGHT

- 1. Master Switch OFF
- 2. Vents, Cabin Air, Heat CLOSED
- 3. **Fire Extinguisher AVTIVATE** (if available)
- 4. Avionics Power Switch OFF
- 5. All Other Switches (except ignition switch) OFF

WARNING

AFTER DISCHARGING FIRE EXTINGUISHER AND ASCERTAINING THAT FIRE HAS BEEN EXTINGUISHED, VENTILATE THE CABIN

Vents/Cabin Air/Heat – OPEN when it is ascertained that fire is completely extinguished

If fire has been extinguished and electrical power is necessary for continuance of flight to nearest suitable airport or landing area

- 7. Master Switch –ON
- 8. Circuit Breakers CHECK for faulty circuit, do not reset
- 9. Radio Switches OFF
- 10. Avionics Power Switch ON
- 11. Radio/Electrical Switches ON one at a time, with delay after each until short circuit is localized

CABIN FIRE

- 1. Master Switch OFF
- 2. Vents/Cabin Air/Heat CLOSED (to avoid drafts)
- 3. Fire Extinguisher ACTIVATE (IF AVAILABLE)

WARNING

AFTER DISCHARGING FIRE EXTINGUISHER AND ASCERTAINING THAT FIRE HAS BEEN EXTINGUISHED, VENTILATE THE CABIN

- 4. Vents/Cabin Air/Heat OPEN when it is ascertained that fire is completely extinguished
- 5. Land the airplane as soon as possible to inspect for damage

WING FIRE

- 1. Landing/Taxi Light Switches OFF
- 2. Navigation Light Switch OFF
- 3. Strobe Light Switch OFF
- 4. Pitot Heat Switch OFF

STATIC SOURCE BLOCKAGE (Erroneous Instrument Reading Suspected)

- 1. Static Pressure Alternate Source Valve -- PULL ON
- 2. Airspeed Consult appropriate calibration tables in Section 5

LANDING WITH A FLAT MAIN TIRE

- 1. Approach NORMAL
- 2. Wing Flaps Full
- Touchdown GOOD MAIN TIRE FIRST, hold airplane off flat tire as long as possible. With aileron control
- 4. Directional Control Maintain using brake on good wheel as required

LANDING WITH A FLAT NOSE TIRE

- 1. Approach NORMA
- 2. Flaps AS REQUIRED
- 3. Touchdown ON MAINS, hold nose wheel off the ground as long as possible
- 4. When nose wheel touches down, maintain full up elevator as airplane slows to stop

ELECTRICAL POWER SUPPLY SYSTEM MALFUNCTIONS

AMMETER SHOWS EXCESSIVE RATE OF CHARGE (Full Scale Deflection)

- 1. Alternator OFF
- 2. Nonessential Electrical Equipment OFF
- 3. Flight TERMINATE as soon as practical

LOW VOLTAGE ANNUNCIATOR (VOLTS) ILLUMINATES DURING FLIGHT (Ammeter Indicates Discharge)

NOTE

Illumination of "VOLTS" on the annunciator panel may occur during low RPM conditions with an electrical load on the system such as during low RPM taxi. Under these conditions, the light will go out a t higher RPM. The master switch need not be recycled since an overvoltage condition has not occurred to deactivate the alternator system

- 1. Avionics Power Switch OFF
- 2. Alternator Circuit Breaker CHECK IN
- 3. Master Switch OFF (both sides)
- 4. Master Switch ON
- 5. Low Voltage Annunciator CHECK OFF
- 6. Avionics Power Switch ON

If low voltage illuminates again:

- 7. Alternator OFF
- 8. Nonessential Radio and Electrical Equipment OFF
- 9. Flight TERMINATE as soon as practical

VACUUM SYSTEM FAILURE (Left Vacuum or Right Vacuum Annunciator Light (L VAC R) Illuminates).

CAUTION

IF VACUUM IS NOT WITHIN NORMAL OPERATING LIMITS, A FAILURE HAS OCCURRED IN THE VACUUM SYSTEM AND PARTIAL PANEL PRECOEDURES MAY BE REQUIRED FOR CONTINUED FLIGHT

1. Suction Gage – CHECK to ensure vacuum within normal operating limits