

**- AFTER TAKEOFF -**

Airspeed . . . . . Vx / Vy / AS REQ  
Flaps . . . . . UP  
Throttle . . . . . FULL  
Mixture . . . . . ADJUST AS NEEDED

**- CRUISE -**

Fuel Selector . . . . . FULLEST TANK  
(Switch Every 30 Minutes)  
**Auxiliary Fuel Pump . . . . . OFF**  
Power . . . . . SET (2200-2700 RPM)  
Elevator Trim . . . . . SET  
Mixture . . . . . ADJUST AS NEEDED  
Engine Instruments . . . . . CHECK  
Lights . . . . . ON - AS NECESSARY  
Heading Indicator . . . . . SET TO COMPASS

**- IN-RANGE/DESCENT**

ATIS/AWOS . . . . . CHECK ASAP  
Approach Brief . . . . . COMPLETE  
Airport Diagram (Keep Available) . . . . . CHECK  
Seat Belts & Shoulder Harness . . . . . FASTENED  
Mixture . . . . . ENRICHEN AS NEEDED  
Heading Indicator . . . . . SET TO COMPASS  
Fuel Selector . . . . . FULLEST TANK  
Landing Light . . . . . ON  
**Auxiliary Fuel Pump . . . . . ON**

**- BEFORE LANDING (Memory Items) -**

Lights . . . . . AS REQUIRED  
Carb Heat . . . . . CARB HEAT ON  
Gas . . . . . FULLEST TANK  
Undercarriage . . . . . FIXED  
Mixture . . . . . SET  
Propeller . . . . . FIXED  
**Pumps . . . . . ON**  
Seat Belts / Shoulder Harness . . . . . ON

**- AFTER LANDING (Memory Items)-**

Wing Flaps . . . . . UP  
Carb Heat . . . . . COLD  
Lights . . . . . AS REQUIRED  
Mixture . . . . . LEAN  
Taxi Clearance . . . . . OBTAIN &. BRIEF

**- SHUT DOWN & SECURING -**

Comm Radio . . . . . CHECK 121.5 for ELT  
Avionics & Electrical Switches . . . . . OFF  
(leave Beacon switch ON)  
Throttle . . . . . IDLE RPM  
Magnetos . . . . . CHECK GROUNDING  
Throttle . . . . . 1000 RPM  
Mixture . . . . . CUTOFF  
Ignition Switch . . . . . OFF (Keys Removed)  
Master Switch . . . . . OFF  
**Hobbs & Tach . . . . . RECORD ON FSP**  
**OUTSIDE TIEDOWN & INSPECTION**  
Fuel Selector . . . . . OFF  
Control Wheel / Gust Lock . . . . . IN PLACE  
Pitot Tube Cover . . . . . INSTALL  
Sunscreen . . . . . INSTALL  
Move Plane to Parking . . . . . WITH TOW BAR  
Wheel Chocks . . . . . IN PLACE  
Tie-Downs . . . . . SECURE  
Canopy . . . . . CLOSED & SECURED  
(Ensure latch is fully engaged)  
Walkaround . . . . . COMPLETE  
*Flight Plan . . . . . CLOSE*

Vr: 52 kts, 60 mph  
Vx: 63 kts, 73 mph  
Vy: 76 kts, 87 mph  
Vg: 70 kts, 80 mph  
Va @2200lbs: 106 kts, 122 mph  
Vso: 50 kts, 58 mph  
Vs1: 54 kts, 62 mph  
Vno: 130 kts, 150 mph  
Vne: 165 kts, 190 mph

*This checklist is only for training purposes and is not intended to replace the POH.  
Revised 6/27/2022*



GRUMMAN AA-5 150HP  
**N9550L**

**NORMAL PROCEDURES CHECKLIST**

**- PREFLIGHT INSPECTION -**

PRE-PLANE

Weather . . . . . CHECK  
W&B & Performance . . . . . COMPUTE

CABIN

**Hobbs & Tach . . . . . DISPATCH ON FSP**  
Documents (A.R.R.O.W) . . . . . CHECK  
Control Wheel/Gust Lock . . . . . REMOVE  
Pitot Tube Cover . . . . . REMOVE  
Ignition & Avionics Switch . . . . . OFF  
Mixture . . . . . IDLE CUTOFF  
Master Switch . . . . . BATTERY ON  
Fuel Gauges . . . . . CHECK QUANTITY  
Lights . . . . . ON – CHECK – OFF  
Wing Flaps . . . . . EXTEND FULLY  
Master Switch . . . . . OFF  
Elevator Trim Control . . . . . TAKEOFF

AFT FUSELAGE & EMPENNAGE

Baggage Door . . . . . SECURE  
Antennas . . . . . SECURE  
Stabilizers . . . . . CHECK CONDITION  
Elevator & Rudder . . . . . CONDITION/OPERATION  
Trim Tabs . . . . . CHECK  
Tie-down . . . . . REMOVE

**- PREFLIGHT INSPECTION (Continued) -**

**RIGHT WING**

Static Source Opening . . . . . CHECK CLEAR  
Flap . . . . . CHECK CONDITION & BACKLASH  
Aileron . . . . . CONDITION/OPERATION  
Tire, Wheel, & Brakes . . . . . CONDITION  
Stall Horn . . . . . FREEDOM OF MOVEMENT  
Wingtip & Leading Edge . . . . . CHECK  
Right Tank Quantity . . . . . CHECK  
Right Filler Cap . . . . . CHECK SECURE  
Fuel Vent Tube . . . . . CHECK CLEAR  
Right Fuel Tank Sump . . . . . CHECK  
Right Fuel Tank Collector . . . . . CHECK  
Tie-down & Chocks . . . . . REMOVE

**NOSE, ENGINE, PROPELLER, & COWLING**

Engine Cowling . . . . . CHECK SECURITY  
Oil Quantity . . . . . CHECK  
Carburetor Air Filter . . . . . CHECK CLEAN & SECURE  
Exhaust Stack . . . . . CHECK SECURE  
Propeller & Spinner . . . . . CHECK CONDITION  
Engine Cooling Air Inlets . . . . . CHECK CLEAR  
Alternator Drive Belt . . . . . CHECK TENSION  
Nose Wheel, Strut, & Tire . . . . . CONDITION  
Windshield & Windows . . . . . CLEAN

**LEFT WING**

Canopy . . . . . CONDITION  
Left Fuel Tank Sump . . . . . CHECK  
Left Fuel Tank Collector . . . . . CHECK  
Tire, Wheel, & Brakes . . . . . CONDITION  
Tie-down & Chocks . . . . . REMOVE  
Left Tank Quantity . . . . . CHECK  
Left Filler Cap . . . . . CHECK SECURE  
Wingtip & Leading Edge . . . . . CHECK  
Pitot Tube . . . . . CHECK CLEAR  
Aileron . . . . . CONDITION/OPERATION  
Flap . . . . . CHECK CONDITION & BACKLASH

**- BEFORE STARTING ENGINE -**

Tow Bar . . . . . STOWED  
Passenger Brief . . . . . COMPLETE  
**(S.A.F.E.T.Y)**  
Seat, Seat Belt, Shoulder Harness . . . . . ADJUST  
Avionics & Electric Switches . . . . . OFF  
Circuit Breakers . . . . . CHECK IN  
Fuel Selector Valve . . . . . RECHECK FULLEST TANK  
Beacon . . . . . ON

**- STARTING ENGINE -**

Mixture . . . . . NOT FULL RICH (out 1" for altitude)  
Throttle . . . . . OPEN ¼ INCH  
Carb Heat . . . . . COLD  
(Prime . . . . . 2-3 TIMES & LOCK)  
**(If engine is warm only prime ½ - 1 times)**  
Master Switch . . . . . ON  
Auxiliary Fuel Pump . . . . . ON  
Fuel Pressure . . . . . CHECK (0.5 to 8 PSI)  
Auxiliary Fuel Pump . . . . . OFF  
Propeller Area . . . . . CHECK CLEAR  
Ignition Switch . . . . . BOTH  
Starter Button . . . . . PRESS  
Throttle . . . . . 1000 RPM or less  
Oil Pressure . . . . . CHECK  
Mixture . . . . . LEAN FOR TAXI

**- AFTER STARTING ENGINE -**

Wing Flaps . . . . . UP  
Avionics & Headsets . . . . . ON  
ATIS/AWOS . . . . . OBTAIN  
Clearance . . . . . OBTAIN (As Necessary)  
Transponder . . . . . ALT, SET CODE

**- BEFORE TAXI -**

Canopy . . . . . MAY BE OPEN 6" OTHERWISE CLOSE  
Landing Light . . . . . ON  
Taxi Clearance . . . . . OBTAIN (as necessary)  
Taxi Path . . . . . CLEAR & BRIEF  
Brakes . . . . . TEST & RELEASE  
Turn Coordinator . . . . . CHECK (in turns)  
Directional Gyro & Compass . . . . . CHECK (in turns)  
Sterile Cockpit . . . . . MAINTAIN

**- BEFORE TAKEOFF -**

Nose Wheel . . . . . STRAIGHT  
Parking Brake . . . . . SET  
Landing Light . . . . . OFF  
Seat, Seat Belt, Shoulder Harness . . . . . ADJUST  
Canopy . . . . . RECHECK CLOSED & LOCKED  
Flight Controls . . . . . CHECK FREE & CORRECT  
Flight Instruments . . . . . CHECKED & CORRECT  
Fuel Quantity . . . . . RECHECK adequate for flight  
Primer . . . . . RECHECKED IN & LOCKED  
**Fuel Selector . . . . . RECHECK FULLEST TANK**  
Throttle . . . . . SET 1800 RPM  
Mixture . . . . . FULL RICH or SET FOR ALT  
Magnetos . . . . . CHECK (175 max, 50 diff)  
Carb Heat . . . . . CHECK  
Vacuum . . . . . CHECK GAUGE  
*(4.6"-5.4" on suction gauge)*  
Engine Instruments . . . . . CHECK  
Ammeter . . . . . CHECK GAUGE  
Throttle . . . . . CHECK IDLE  
Throttle . . . . . 1000 RPM or less  
**Throttle . . . . . CHECK FRICTION LOCK**  
Wing Flaps . . . . . SET FOR TAKEOFF  
Trim Controls . . . . . VERIFY TAKEOFF  
Radios (Comm & Nav) . . . . . SET  
Transponder . . . . . ALT  
Parking Brake . . . . . RELEASE  
Landing, Strobe Lights . . . . . AS NEEDED  
Takeoff Clearance . . . . . OBTAIN/ANNOUNCE  
**Auxiliary Fuel Pump . . . . . ON FOR TAKEOFF**