

## SGS 1-26 Preflight Checklist

-to be completed before glider is moved from hangar area-

### Daily Inspection

#### COCKPIT

- Canopy: clean; secure; pins attached; yaw string ok.
- Instrument check.
- Paperwork: "ARROW"
  - Airworthiness Certificate
  - Registration
  - Radio station license (no longer needed, FAA waiver)
  - Operational limits
  - Weight/Balance
- Controls-free and correct movement: full "box".
- Dive brakes-operation check.
- Wheel brake-check operation & amount of reserve.
- Trim function check.
- Air vent closed.
- Belts present, anchors secure, assembled correctly and release functioning.
- Appropriate cushions present.
- Turtledeck secure.
- Main spar pins secure and safetied.
- Rear spar pins secure and safetied.
- Aileron rods secure and safetied.
- Dive brake linkage secure.
- Inside rear fuselage check: rudder cables, O2 bottle; Longerons & stringers secure; debris?

#### RIGHT WING

- Surface check, top & bottom.
- Aileron hinge pins secure.
- Aileron push-rod linkage secure & limber.
- Dive brake mechanism check (hinges, pushrod, spring).
- Tip wheel: rotates, secure.
- Sight trailing edge.
- Shake test (look, listen & feel).

#### WEIGHT & BALANCE DATA:

Empty weight: \_\_\_\_\_

Useful Load: \_\_\_\_\_

#### TAIL SECTION

- RH & top fuselage skin check.
- Vertical stabilizer shake test.
- Horizontal stabilizer-bolts & pins secure.
- Rudder hinge bolts secure.
- Rudder control cables check.
- Rudder structural test (flex by sections).
- Tail wheel: rotates, secure.
- Elevator control rod secure & safetied.
- Elevator hinge pins secure.
- Elevator structural test (flex by sections).
- Horizontal stabilizer shake test.
- Tail fairings secure.
- Inspection panels in place.
- LH & bottom fuselage skin test.
- Radio antenna secure.

#### LEFT WING

- Surface check, top & bottom.
- Aileron hinge pins secure.
- Aileron push-rod linkage secure.
- Dive brake mechanism check (hinges & pushrod).
- Tip wheel: rotates, secure.
- Sight trailing edge.
- Shake test (look, listen & feel).

#### FRONT FUSELAGE

- Tire-inflation (20 PSI) & condition.
- Skid-condition & wear.
- Pitot & static ports straight and clear; secure.
- Release assembly, release: secure & operational.

#### POSITIVE CONTROL CHECK

- Check with the help of another person, controls at limits.

#### STAND BACK AND LOOK AT SHIP PRIOR TO GROUND HANDLING

- Controls tied.
- Canopy closed.

\_\_\_\_\_  
Inspected by

\_\_\_\_\_  
Date

(Deliver to ops officer before flight.)