

**GROB G-103  
PREFLIGHT INSPECTION CHECKLIST**

1. a) Open Canopy
  - b) Check the 4 wing fastenings inside fuselage if locked
  - c) Visually check all controls inside the cockpit
  - d) Check for foreign bodies
  - e) Test controls for full and free movement
  - f) Check tires (35.6 – 39.8 psi)
  - g) Check condition of both hooks
  - h) Check functioning of releases and wheel brake
2. a) Check top and bottom of left wing for damage
  - b) Check ailerons for condition, freedom of movement and play
  - c) Check airbrakes for condition, locking and fit
3. Check fuselage for damage especially on the underside
4. Check tail unit for correct assembly and that safety lock is in position
5. Check condition of the tailwheel
6. Check the pitot tube, total energy venturi and static vents are clear
7. Repeat step 2 for right wing
8. Check static vents

| <u>Front Cockpit</u> |                             |                |                |
|----------------------|-----------------------------|----------------|----------------|
| Pilots Weight (lbs)  | <u>121-137</u>              | <u>138-153</u> | <u>154-242</u> |
| # Trim Weights       | 2                           | 1              | 0              |
|                      | Trim weight 12.31 lbs       |                |                |
|                      | Max flying weight 1280 lbs  |                |                |
|                      | <b>Empty Weight 884 lbs</b> |                |                |
|                      | <b>Max Gross 1280 lbs</b>   |                |                |

*Please Return Checklist to Cockpit when Finished*

**GROB G-103**

- BEFORE GRIDDING**
- A - ALTIMETER
  - B - BALLAST
  - B - BELTS AND HARNESS
  - C - CANOPY
  - C - CONTROLS/SPOILERS/TRIM
  - C - CABLE
  - D - DIRECTION (WIND)
  - E - EMERGENCY PLAN
  - R - RADIO ON – 123.05

- | <b><u>BEFORE TAKEOFF</u></b> | <b><u>BEFORE LANDING</u></b> |
|------------------------------|------------------------------|
| C – CONTROLS                 | U - UNDERCARRIAGE            |
| B – BALLAST                  | S - SPEED                    |
| S – STRAPS                   | T - TRIM                     |
| I – INSTRUMENTS              | A – AIRBRAKES                |
| T – TRIM                     | L – LOOK                     |
| C – CANOPY                   |                              |
| B – BRAKES                   |                              |

**Reference Airspeeds**

|                         | <u>Dual</u> | <u>Solo</u> |       |
|-------------------------|-------------|-------------|-------|
| Best L/D-----           | 57-----     | 51          | (kts) |
| Stall -----             | 47/53       | 41/47       |       |
| Min Sink-----           | 138 fpm     | @ 46        |       |
| VA Maneuvering -----    | 92          |             |       |
| VNE Never Exceed -----  | 135         |             |       |
| VDF Airbrakes Open ---- | 135         |             |       |
| VB Rough Air -----      | 92          |             |       |
| VT Aerotow Max -----    | 92          |             |       |

**No Wind XC Performance Estimates**

300 feet per statute mile  
- or -  
3 1/3 statute miles per 1000 ft

With 50 % safety factor  
L/D = 18 at Best L/D Speed  
5280/18 = 293 feet per statute mile