SGS 2-33 Annual Inspection Checklist

K & L Soaring, LLC
5996 State Route 224
Cayuta, NY 14824

Model:		Serial No.		Reg. No.		Work Order No.	
Aircraft TT		Previous Inspection Date		TT @ Previous Inspection			

Check the following for proper installation, tension, safety, wear, excessive free play, evidence of corrosion or other damage. Indicate airworthiness by checking A/W block. When un-airworthy items are noted, leave appropriate block blank, until corrected. The SGS 2-33 Maintenance Instructions contain rigging and other detail information. NOTE: This form may be reproduced for use in the field.

Forward Fuselage & Cockpit	Notes/Disposition	Insp	Date
A. Fuselage Structure			
1. Deformation of Tubes			
2. Corrosion			
3. Cracking of Tubes/Clusters			
B. Fabric Condition (Tensile above 35 lbs)			
C. Fiberglass Nose Condition			
1. Cracks/Damage @ Release			
2. Attach to Fuselage			
3. Pitot/Static Attach/Condition			
4. Air Vent Clear			
D. Strut Attach Fittings & Hole Size & Hardware			
E. Skid & Shoe Installation			
F. Tow Hook Installation			
1. Hook Attach & Condition			
2. Arm Attach & Condition			
3. Damper Installation & Condition			
4. Function Check			
G. Canopy Door and Window			
1. Glass Condition/Hazing/Cracking			
2. Frame Condition, Corrosion			
3. Hinges & Attach Hardware			
4. Latch & Release Condition & Operation			
H. Seat Back & Bottoms, Security & Condition			
I. Seat Belts & Harness Condition & Attachment			
J. Instrument Panel & Instruments Installation			

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Forward Fuselage & Cockpit (Continued)	Notes/Disposition	Insp	Date
K. Pitot/Static Hose Installation			
L. Release Cables, Pulleys & Installation			
M. Rudder Pedal Installations & Attach Hardware			
N. Rudder Control Adjusters, Cables, Guides & Springs			
O. Trim Control/Bungee Operation			
P. Dive Brake Control Operation & Installation			
Q. Control Sticks & Torque Tube Installations			
R. Elevator Cables, Guides & Safeties			
S. FOD & Debris			
T. Interior Paneling & Furnishings Condition/ Attachment			

Aft Fuselage	Notes/Disposition	Insp	Date
A. Tail Wheel Bracket, Spring, Wheel			
B. Fuselage Structure			
1. Deformation of Tubes			
2. Corrosion			
3. Cracks of Cluster/TUbes			
C. Fabric Condition (Tensile above 35 lbs.)			
D. Elevator Idler Horn Installation			
E. Elevator Cables & Guides			
F. Rudder Cable & Guides			
G. Aft Wing Carry-thru Attach, Hole Sizes & Hardware			
H. Main Wing Attach, Hole Sizes & Hardware			
I. Aileron Control Installation			
1. Bellcrank Attach to Fuselage & Hardware			
2. Wing Pushrod Attach Holes			
3. Pushrod to Bellcrank Attach Hole & Hardware			
4. Pushrod Condition/Corrosion			
5. Lower Pushrod Attach @ Torque Tube & Hdw.			

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Aft Fuselage (Continued)	Notes/Disposition	Insp	Date
J. Dive Brake Control Installation			
1. Upper Rod End Condition & Attach Hardware			
2. Rod End Engaged Beyond Witness Hole			
3. Pushrod Condition/Structure			
4. Lowe Rod End Condition & Engagement			
5. Lower Attach Hardware & Hole Size			
6. Bellcrank Attachment to Fuselage			
7. Pushrod from Cabin/Bellcrank Attachment			
K. Main Wheel & Brake Installation			
1. Tire Condition/Inflation (28-30 psi)			
2. Wheel Condition/Repack Bearings			
Optional Hydraulic Brake			
3. Master Cylinder Fluid Level			
4. Master Cylinder Condition/Leaking			
5. Brake Hose Condition			
6. Master Cylinder & Pusher Attachment & Hdw			
7. Brake Disk for Corrosion, Warping, Condition			
8. Caliper, Free Movement on Pins, Leaks			
9. Brake Pads, Condition			
Manual Drum Brake			
10. Brake Actuation Cable & Attach Hardware			
11. Brake Actuation Arm for Freedom of Movement			
12. Brake Shoes & Drum for Condition			
13. Brake Operation/Rigging			
L. Fuselage Interior for General Condition/FOD			
M. Fuselage Drain Holes Open			
N. Inspection Covers Installed & Secure			

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Empennage Group	Notes/Disposition	Insp	Date
A. Stabilizer			
1. Structural Damage			
2. Fabric Condition (Tensile above 35 lbs.)			
3. Attachment to Fuselage & Struts			
4. Struts for Straightness/Dents			
5. Hinge Condition			
B. Elevator			
1. Structural Damage			
2. Fabric Condition (Tensile above 35 lbs)			
3. Hinge Condition			
4. Elevator Horn, Attach Hole & Hardware			
5. Elevator Pushrod Straight/Dents/Corrosion			
6. Elevator Pushrod Attach Hole & Hardware			
C. Vertical Fin			
1. Attach Hardware			
2. Structural Damage			
3. Hinge Condition, Hole Size & Attach Hardware			
4. Fairings & Attachments			
5. Spar Condition/Cracks			
6. Total Energy Tube Installation (Opt)			
D. Rudder			
1. Structural Damage			
2. Fabric Condition (Tensile above 35 lbs)			
3. Hinge Condition, Hole Size & Attach Hardware			
4. Lower Horn Cable Attach Holes & Hardware			
5. Rudder Cables			
6. Cable Fairleads			

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Left Wing	Notes/Disposition	Insp	Date
A. Main Attach Pin Holes			
B. Drag Fittings & Attach Holes			
C. Long Aileron Pushrod & Guides			
D. Dive Brake T.T. & Bellcrank			
E. Dive Brake Hinges			
F. Aileron Idler Installation			
G. Aileron Pushrod & Horn			
H. Aileron Hinges			
I. Wing Tip			
J. Exterior Surface			
K. Visible Interior Surface			
L. Leading Edge			
M. Tip Wheel Spring & Tire			

Right Wing	Notes/Disposition	Insp	Date
A. Main Attach Pin Holes			
B. Drag Fittings & Attach Holes			
C. Long Aileron Pushrod & Guides			
D. Dive Brake T.T. & Bellcrank			
E. Dive Brake Hinges			
F. Aileron Idler Installation			
G. Aileron Pushrod & Horn			
H. Aileron Hinges			
I. Wing Tip			
J. Exterior Surface			
K. Visible Interior Surface			
L. Leading Edge			
M. Tip Wheel Spring & Tire			

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General	Notes/Disposition	Insp	Date
A. Control Movement & Travel			
1. Aileron			
2. Elevator			
3. Rudder			
4. Dive Brake/Wheel Brake			
B. Identification Markings			
C. Weight & Balance			
D. Placard Installations			
E. Airworthiness Papers			
F. Lubrication of all Points per Maintenance Chart			
G. Service Bulletins Compliance Verified			
H. AD Notes Compliance Verified			

Mechanic's Signature		Cert. No.		Date	
Inspection Authorized Signature		Cert. No.		Date	