## BGA Form 283 Inspection Report

This worksheet is used to supplement the BGA 267 SDMP for Electric Self Sustainer

Maintenance tasks. Refer to BGA Inspection 053/06/2012 issue 1

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| Reg: | Type: | File Ref: |
| Date: | Check/Zone: Electric Powerplant | Sheet: of  |
| Task | Description | Mech | Insp |
| 1 | PropellerClean propeller, carry out pre-flight inspection. Check propeller bladed for damage, cracks and delamination. Check surface protection lacquer for condition.Check torque the propeller mounting bolts.Check track of propeller blade tips.Observe Propeller TBO.Lubricate propeller blade attachments. |       |       |
| 2 | MotorInspect the motor assembly for signs of damage, overheating or deterioration. Check all mounting and electrical connections, cables, grommets for security, overheating and damage. Check for foreign objects and debris in the motor.Observe motor TBO and replacement of motor bearings. |       |       |
| 3 | Controller and main contactorCheck for security, signs of overheating and damage. Check all electrical connections. Check main inverter. Check motor controller display and function. Check operation of canopy open inhibit switch. |       |       |
| 4 | Propeller brakeCheck operation of propeller brake |       |       |
| 5 | Motor mounting frameCheck motor mounting frame for security, damage and deterioration. |       |       |
| 6 | Gap between spinner and fuselageCheck gap between spinner and fuselage in accordance with LAK-17A EFS Maintenance manual. |       |       |
| 7 | Motor accessories and coolingCheck all motor accessories for security, damage and deterioration. Check pot ventilator for operation and signs of damage. Clean if necessary. |       |       |
| 8 | Bolted connectionsCheck all bolted connections observing any specific torque loadings and adjustments |       |       |
| 9 | Motor mountingCheck motor mounting for security, damage and deterioration. |       |       |
| 10 | Power cablesCheck all control and power cables for signs of overheating, chafing, security, damage and deterioration. Pay special attention to cables running through rudder pedal support. |       |       |
| 11 | BatteryCheck batteries for damage, leakage, electrolyte level, corrosion on terminals. Check battery bay and cover for signs of acid contamination, security, damage and deterioration of mounting and securing clamps. Check operation of drains.Observe battery recommended life. |       |       |
| 12 | Ground runCarry out function test and ground run observing all safety precautions. |       |       |
| **Part 21 aircraft;** BGA Inspector or Part 66 Engineers Certificate of Release to Service CAA Approval No. UK.CAO.0025**The work specified, except as otherwise specified, was carried out in accordance with Part-ML and in that respect is considered ready for release to service.**Signed:  BGA Authorisation No:  Date:       |