Inspection Report

This worksheet is used to supplement the BGA 267 for Electric Self Sustainer Maintenance tasks. Refer to BGA Inspection 053/06/2012 issue 1

Reg:	Type:	File Ref:
Date:	Check/Zone: Electric Powerplant	Sheet: of

Task	Description	Mech	Insp
1	Propeller Clean 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	Motor Inspect 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 contactor Check 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 brake Check operation of propeller brake		
5	Motor mounting frame Check motor mounting frame for security, damage and deterioration.		
6	Gap between spinner and fuselage Check gap between spinner and fuselage in accordance with LAK-17A EFS Maintenance manual.		
7	Motor accessories and cooling Check all motor accessories for security, damage and deterioration. Check pot ventilator for operation and signs of damage. Clean if necessary.		
8	Bolted connections Check all bolted connections observing any specific torque loadings and adjustments		
9	Motor mounting Check motor mounting for security, damage and deterioration.		
10	Power cables Check 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	Battery Check 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 run Carry out function test and ground run observing all safety precautions.		

EASA Aircraft;
BGA Inspector or Part 66 Engineers Certificate of Release to Service (Part M M.A.801)
Certifies that the work specified, except as otherwise specified, was carried out in accordance with Part-M and in that respect that work, the aircraft is considered ready for release to service.

Signed: BGA Authorisation No: Date:

BGA Approval No. M.F. 0007.