NOTE: SAFETY WIRE TENSION ARM BOLTS (MS20074 - 05 - 06 & ANSI-S5A)

EXISTING PART

LOCATION OF FAA PMA NAMEPLATE

10-5030B

EXISTING PART

10-1012A

EXISTING PART

MS20074-05-06

EXISTING PART

10-7013

EXISTING PART

10 - 7012

10-7012

AN7-40A OR AN7-42A

AN970-5

ANSH-5A

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT-TREAT AND PLANNING:

XX = ±0.005

XX X X ±0.005

ANGLE ±1°

XX X X ±1.005

BREAK ALL EDGES AND MACHINE ALL INSIDE CORNER PLIETS ±0.05 MAX.

SILFACE (MIL)

GEOMETRIC SYMBOLS PER ANSI Y14.5

DRAWN

CHECKED

ENG.

FINISH

WEIGHT

MATERIAL

SCALE

NTS

HARTZELL ENGINETECHNOLOGIES

2505 Selma Highway

Montgomery, AL 36110

AL24-FS60 INSTALLATION INSTRUCTIONS

VOLTAGE 24

5MM STUD (3)

P2 TERMINAL

AUX TERMINAL

6MM OUTPUT TERMINAL

PLANE POWER, LTD

DRAWING NO.

SH 1 OF 2

CODE ID

DRAWING NO.

REV.

UNITS OF TIME AND PRESSURE APPLY:

INCHES

MILIBARS

ESTIMATED PROJECTED DURABILITY IN HOURS:

7200 HOURS
Part No. 10-7011

Installation Instructions

1. Disconnect aircraft battery.
2. Install alternator per included drawing.
3. Refer to appropriate engine and airframe service manuals for belt tension and bolt torques.
4. Install battery wire with MS25171-2S terminal nipple on 6mm output terminal and torque to 50 in. lb.
5. Install ground wire to any of the three 5mm studs on rear of alternator and torque to 35 in. lb. (If aircraft is equipped with an external alternator ground.)
6. Install field wire with MS25171-1S terminal nipple to F1 terminal on rear of alternator and torque to 20 in. lb.
7. Reconnect aircraft battery.

Maintenance Instructions

Annual / 100 hour inspections:

1. Remove drive belt and turn alternator rotor to check condition of bearings for abnormal noise or roughness.

5 year or 1,000 hour intervals:

1. Repeat: Annual / 100 hour inspection.
2. Remove field brush assembly and inspect brushes for excess wear. Replace brush assembly if brushes extend less than .250” from edge of brush holder case.