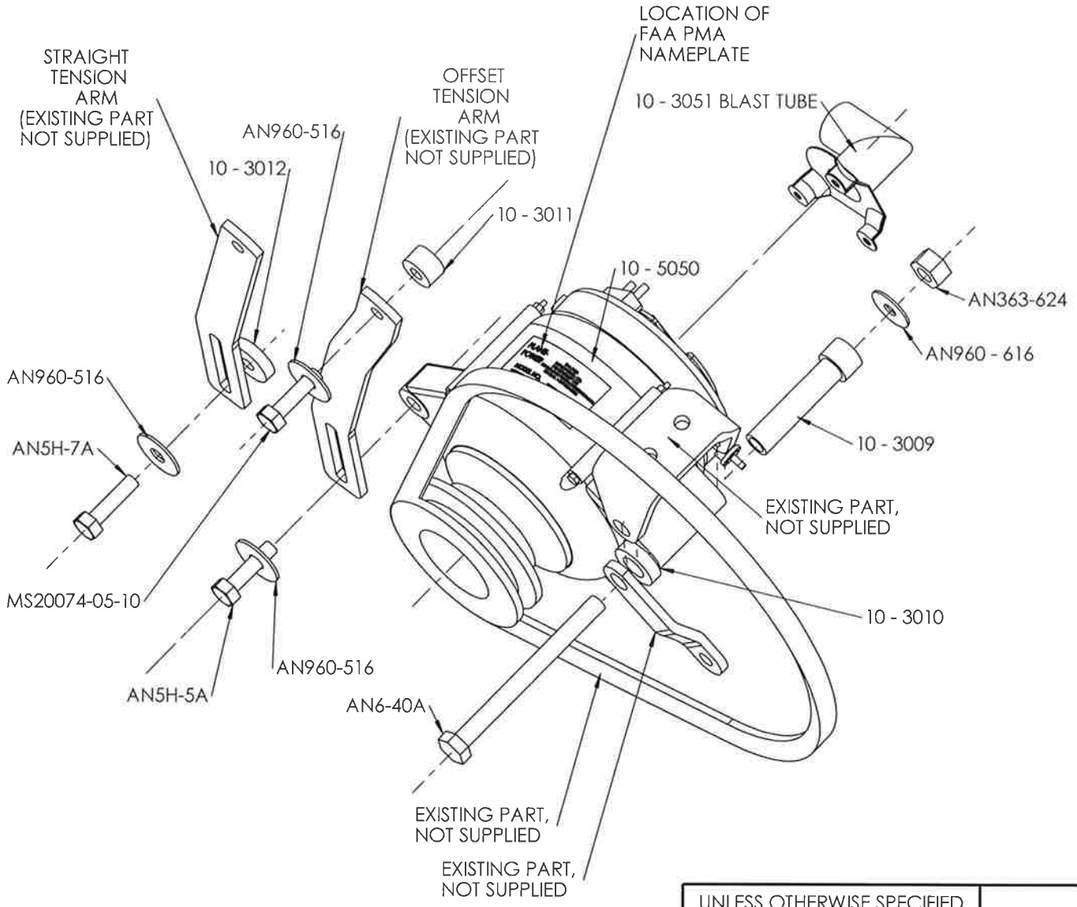
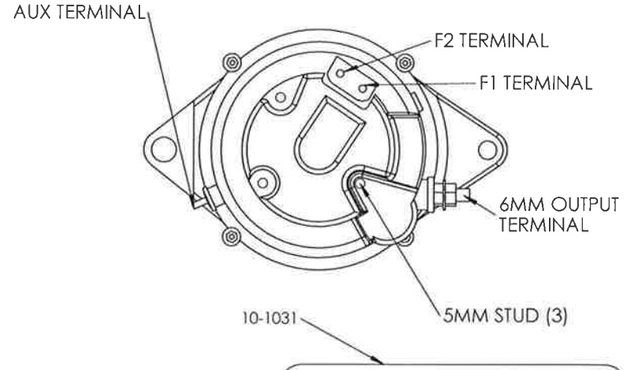
NOTE: IF EQUIPPED WITH OFFSET TENSION ARM, SAFETY WIRE (2) TENSION ARM BOLTS (MS20074 - 05 - 10 & AN5H-5A), OR IF EQUIPPED WITH STRAIGHT TENSION ARM, SAFETY WIRE TENSION ARM BOLT (AN5H-7A) WITH .032" SAFETY WIRE.

REVISIONS				
EN	REV.	DESCRIPTION	BY	DATE
1409009	H	FIRST RELEASE INTO HET DESIGN DATA	BJ	9/3/14
1409010	J	1) TITLE BLOCK WAS PLANE POWER, LTD 2) "HARTZELL ENGINE TECHNOLOGIES, LLC" WAS "PLANE-POWER, LTD" 3) "SHEET 2" WAS "REVERSE SIDE" 4) ADDED 10-1031 CALLOUT TO DATA TAG 5) 10-5050 WAS AL24-P70 6) REMOVE DATA TAG MATERIAL NOTE	BJ	9/3/14
1411046	K	1) ON SHEET 1, "MAINTENANCE" WAS "CONTINUED AIRWORTHINESS"; 2) ON SHEET 2, "MAINTENANCE INSTRUCTIONS" WAS "INSTRUCTIONS FOR CONTINUED AIRWORTHINESS"	OKQ	11/19/14





Plane-Power
FAA PMA
HARTZELL ENGINE TECHNOLOGIES, LLC
For eligibility see www.plane-power.com/catalog

MODEL NO.	10-5050
SERIAL NO.	4V-YWWSN
VOLTAGE	24

INSTALLATION AND MAINTENANCE INSTRUCTIONS ON SHEET 2 (K)

SPECIFICATION CLASSIFICATION		
CLASSIFICATION	DIMENSION CONVENTION	NOTE NO. CONVENTION
CRITICAL	<XX.XX>	<#>
MAJOR	[XX.XX]	[#]
MINOR	XX.XX	#
REFERENCE	(XX.XX)	(#)

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT TREAT AND PLATING
.X = ±.015
.XX = ±.010 ANGLES ±1°
.XXX = ±.005
BREAK ALL EDGES AND MACHINE ALL INSIDE CORNER FILLETS .015 MAX.
SURFACE FINISH

GEOMETRIC SYMBOLS PER ANSI Y14.5

FLATNESS, STRAIGHTNESS, ROUNDNESS, CYLINDRICITY, PROFILE, PERPENDICULARITY, POSITION, CONCENTRICITY, SYMMETRY, ANGULARITY, PARALLELISM, CIRCULAR RUNOUT, TOTAL RUNOUT

SCALE NTS

DRAWN	BJ	2/15/05
CHECKED	EAB	11/19/14
ENG.	RFR	11/19/14
FINISH	N/A	
WEIGHT	N/A lbs	
MATERIAL	SEE INDIVIDUAL COMPONENTS	

HARTZELL ENGINE TECHNOLOGIES
2900 Selma Highway
Montgomery, AL 36108

AL24-P70 INSTALLATION INSTRUCTIONS

SIZE	SH 1 OF 2	CODE ID	DRAWING NO.	REV.
B		65PY1	10-6001	K

Part No. 10-6001

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.
6. Install field wire with MS25171-1S terminal nipple to F1 terminal on rear of alternator and torque to 20 in. lb.
7. NOTE: F2 terminal to remain grounded with ground strap UNLESS aircraft voltage regulator is a type "A" regulator using a 2-wire field circuit, in this case remove and discard ground strap from F2 terminal and connect wiring from voltage regulator to F1 and F2 terminals, torque to 20 in. lb.
8. If aircraft is equipped with an "alternator out light" circuit, connect that wire to the AUX terminal and torque to 20 in. lbs. Other wise leave AUX terminal open.
9. Reconnect aircraft battery.
10. Start aircraft and check alternator output for proper operation.

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.