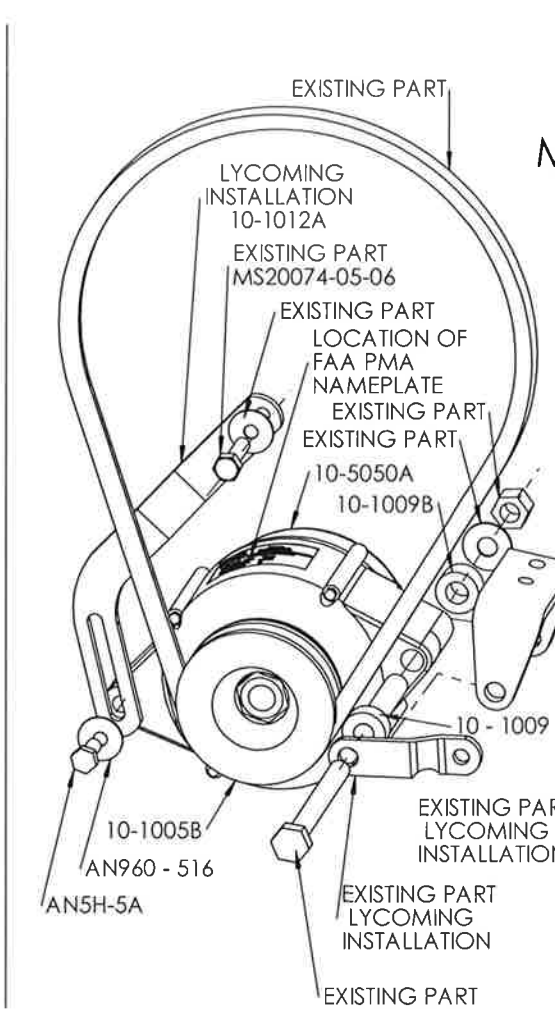
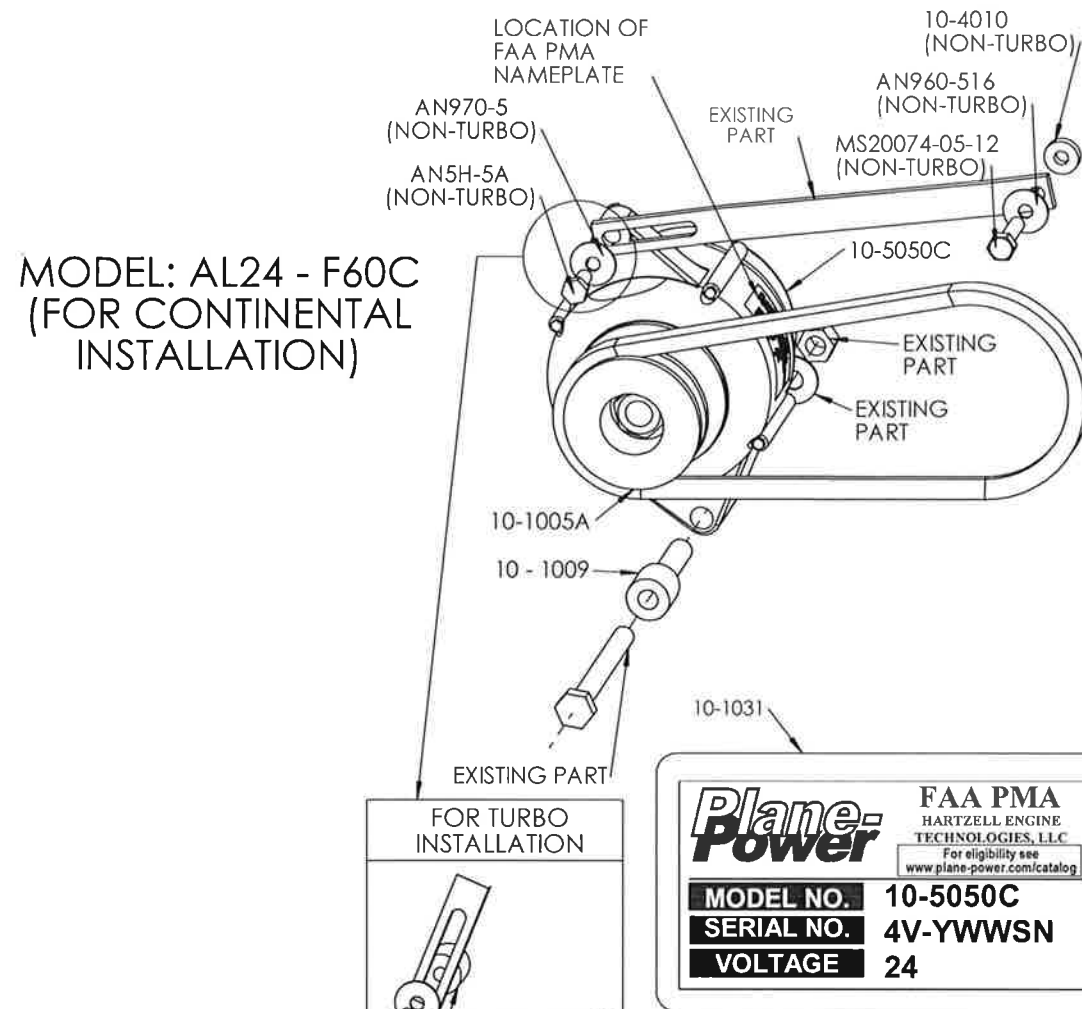
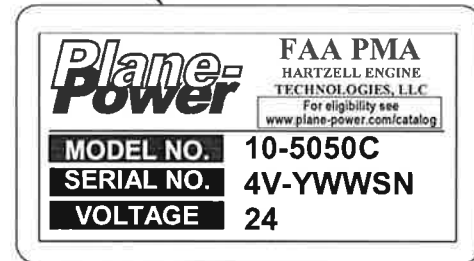
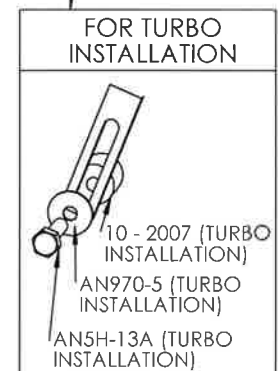
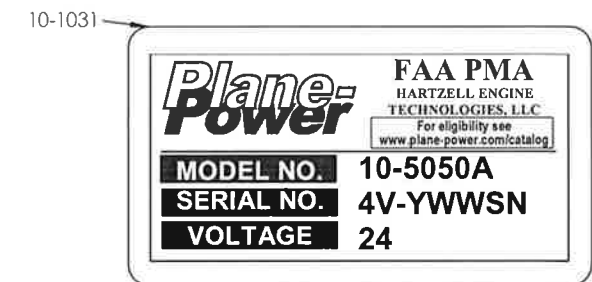
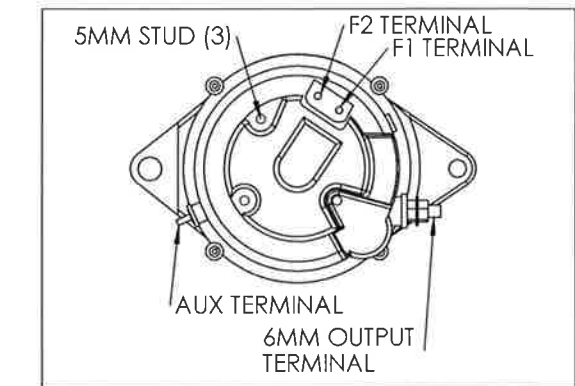


NOTE: ON LYCOMING INSTALLATION, SAFETY WIRE TENSION ARM BOLTS (MS20074 - 05 - 06 & AN5H-5A, OR ON CONTINENTAL INSTALLATION, SAFETY WIRE TENSION ARM BOLTS AN5H-5A & MS2007 - 05 - 12. FOR CONTINENTAL TURBO INSTALLATION, SAFETY WIRE TENSION ARM BOLT AN5H-13A) WITH .032" SAFETY WIRE.

REVISIONS				
EN	REV.	DESCRIPTION	BY	DATE
1409011	N	FIRST RELEASE INTO HET DESIGN DATA	BJ	9/3/14
1409012	P	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) 10-5050A WAS AL24-F60 6) 10-5050C WAS AL24-F60C 7) REMOVED DATA TAG MATERIAL NOTE	BJ	9/3/14
1411047	R	1) ON SHEET 1, "MAINTENANCE" WAS "CONTINUED AIRWORTHINESS"; 2) ON SHEET 2, "MAINTENANCE INSTRUCTIONS" WAS "INSTRUCTIONS FOR CONTINUED AIRWORTHINESS"	OKQ	11/19/14



MODEL: AL24 - F60  
(FOR LYCOMING  
INSTALLATION)



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	
STRAGHTNESS	
ROUNDNESS	
CYLINDRICITY	
PROFILE	
PERPENDICULARITY	
POSITION	
CONCENTRICITY	
SYMMETRY	
ANGULARITY	
PARALLELISM	
CIRCULAR RUNOUT	
TOTAL RUNOUT	

DRAWN	BJ	2/15/05
CHECKED	EAB	11/19/14
ENG.	RFG	11/19/14
FINISH	N/A	
WEIGHT	N/A lbs	
MATERIAL	SEE INDIVIDUAL COMPONENTS	
SIZE	SH 1 OF 2	CODE ID 65PY1

2900 Selma Highway  
Montgomery, AL 36108

AL24-F60/AL24-F60C  
INSTALLATION INSTRUCTIONS

DRAWING NO. 10-7001	REV. R
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SPECIFICATION CLASSIFICATION		
CLASSIFICATION	DIMENSION CONVENTION	NOTE NO. CONVENTION
CRITICAL	<XX.XX>	<#>
MAJOR	[XX.XX]	[#]
MINOR	XX.XX	#
REFERENCE	(XX.XX)	(#)

INSTALLATION AND MAINTENANCE INSTRUCTIONS ON SHEET 2



## Part No. 10-7001

### 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.