



## Alternator Replacements for Primary Alternators APPLICATION GUIDE BY AIRCRAFT

Plane-Power alternators are FAA PMA certified to replace the alternators listed for the following aircraft:

Valid 11/03/2010

### Note:

- Installation requires only a logbook entry, No F.A.A. Form 337 required, on applicable installations.
- All PMA Approved Alternators state voltage in the name - e.g. - AL12 is 12 volt AL24 is 24 volt.
- Be certain you get the proper voltage Alternator for your airplane as some airplanes could be covered by 12 and 24 volt alternators.
- If the airplane originally had a generator check our Generator to Alternator Conversion Kits at [www.plane-power.com/stc.pdf](http://www.plane-power.com/stc.pdf)

American Champion	OEM Part #	PP Part #
7ECA, 7GCAA, 7GCBC, 7KCAB, 8GCBC, 8KCAB	ALY-8420	AL12-P70

Beechcraft	OEM Part #	PP Part #
19A, B19, M19A, 23, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R	33-380009-1	AL12-F60
19A, B19, M19A, 23, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R	ALE-8105A ALE-8406	AL12-P70
76 Duchess, 77Skipper	ALY-8420	AL12-P70
76 Duchess	ALU-8421	AL24-P70
B19, C19, C24R	ALU-8421R	AL24-P70

Daimond Aircraft Industries GmbH	OEM Part #	PP Part #
DA40	ALU-8421LS	AL24-70

Cessna	OEM Part #	PP Part #
177, 177A, 177B	C611501-0101	AL12-F60
172I, 172K, 172L, 172M, 172N, 172P, 177, 177A, 177B, 177RG	C611501-0102	AL12-F60

P206A, P206B, P206C, P206D, P206E, U206, U206A, U206B, U206C, U206D, U206E, TP206A, TP206B, TP206C, TP206D, TP206E, TU206B, TU206C, TU206E, 207, T207, 210B, 210C, 210D, 210E, 210F, T210F, T210G, T210H, T210J	C611501-0101	AL12-F60C
180H, 180J, 180K, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, 185E, A185E, A185F, 188, P206C, U206C, U206D, U206E, U206F, U206G, TP206C, TU206B, TU206C, TU206E, TU206F, TU206G, 207, T207	C611501-0102	AL12-F60C

180H, 182G, 182H, 185D, 210E	0750217-1	AL12-F60C
188, A188, A188A, A188B, 210K, T210K, 210G, 210H	1570213-6	AL12-F60C

152, A152, 172M, 172N, 172P, 172Q, 172RG, 177B, 177RG, R182, TR182	C611503-0102	AL24-F60
180J, 180K, 182P, 182Q, 182R, T182, U206E, U206F, U206G, TU206E, TU206F, TU206G, 207, T207, 210K, 210L, 210M, 210N, 210R, P210N, P210R, T210K, T210L, T210M, T210N, T210R, A185F, 207A, T207A	C611503-0102	AL24-F60C

188, 188A, 188B, A188, A188A, A188B, T188C, 207, T207	1570213-7	AL24-F60C
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Cessna Continued	OEM Part #	PP Part #
172R, 172S, 182S*, 182T*, T182T*	9910591-5	AL24-FS60
*S/N182001(1997) through 18281197(2004)	9910591-11	

Commander	OEM Part #	PP Part #
112, 112B, 112TC, 112TCA, 114, 114A, 114B, 114TC	LW14316	AL12-P70

Grumman (Gulfstream, Tiger)	OEM Part #	PP Part #
AA-1, AA-1A, AA-1B, AA-1C	ALE-6420 / ALY-6420 LW-14310	AL12-P70
AA-5, AA-5A, AA-5B, AG-5B, GA-7	DOFF-10300J	AL12-F60
AG-5B	ALU8421LS	AL24-P70

Mooney	OEM Part #	PP Part #
M20C, M20E, M20F, M20G, M20J	ALY-8420 / ALX-8403	AL12-P70
M20J	ALU6421LS	AL24-P70
M20M (Single alternator installations only)	ES-4009LS	AL24-P70

Piper - (All Without Air Conditioning)	OEM Part #	PP Part #
PA-44-180, PA-44-180T	751 346	AL12-P70
PA-28-151, PA-32R-301 (SP), PA-32-301T, PA-32R-301(HP), PA-32R-301T (SP), PA-32-301, PA-34-200, PA-38-112	551-984	AL12-P70
PA-24-260	ALX8403	AL12-70
PA-23-235, PA-23-250	ALX8403	AL12-P70
PA-23-235, PA-23-250	ALU-8403	AL24-P70
PA-44-180, PA-44-180T	ALX8421LS	AL12-P70
PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-180, PA-28-235, PA-28R-180, PA-28R-200, PA-32-260, PA-32-300, PA-32R-300	69670-00 (60 amp)	AL12-C60
PA-28-140, PA-28-151, PA-28-161, PA-28-180, PA-28-235, PA-28R-200, PA-32-300, PA-32R-300	69670-03 (60 amp)	AL12-C60
PA-28-151, PA-28-161, PA-28-181, PA-28-236, PA-28R-201, PA-28RT-201, PA-32-300, PA-32R-300, PA-32RT-300, PA-32RT-300T	69670-04 (60 amp)	AL12-C60

Vulcanair, S.P.A.	OEM Part #	PP Part #
P68, P68B, P68C, P68C-TC, P68 "OBSERVER", P68TC "OBSERVER", P68 "OBSERVER 2"	ALU-8421LS	AL24-P70

## APPLICATION GUIDE BY ENGINE MANUFACTURER

In addition to the applications above, Plane-Power alternators are FAA PMA certified to replace Lycoming alternators on the following Lycoming engines:

Lycoming	Description	PP Part #
Engine series 235, 320, 360, 540, 720	Replacement for 12v 70 amp (or less) Lycoming alternators	AL12-P70
Engine series 235, 320, 360, 540, 720	Replacement for 24v 70 amp (or less) Lycoming alternators	AL24-P70
Engine series 235, 320, 360, 540, 720	Replacement for 12v 70 amp (or less) Lycoming alternators	AL12-70*
Engine series 235, 320, 360, 540, 720	Replacement for 24v 70 amp (or less) Lycoming alternators	AL24-70*

Lycoming alternators have a prefix of 'LW' followed by the part number.  
\* Provided with boss mount bracket, starter strap, tension arm and hardware.