



Power Systems

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Service Bulletin

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Technical Content is FAA Approved

SUBJECT: Notification of Part Number Supersedure for Factory New Alternators Incorporating Improved Slip Ring End Bearing

REASON: Provide Notification of New Part Numbers

ALTERNATOR ALE, ALT, ALU, ALX, ALY, ALZ, ANG Series, ES-4032, and ES-4039

MODELS AFFECTED:

COMPLIANCE: Effective Immediately

Kelly Aerospace, Inc would like to announce the availability of factory new alternators incorporating an improved slip ring end bearing.

Effective immediately ALE, ALT, ALU, ALX, ALY, ALZ, and ANG series, ES-4032, and ES-4039 alternators as listed below in Column A are superseded by the new alternator as identified in Column B. The new alternator is identical to the older model with the exception of incorporating a needle bearing in the slip ring end housing. Refer to Kelly Aerospace OE-A1 manual or the forthcoming OE-A2 manual for maintenance, overhaul, and service instructions. Refer to Kelly Aerospace Service Bulletin No. 017 for replacement of the slip ring end bearing in older model alternators at next overhaul or whenever the alternator is removed for servicing and/or maintenance.

Column A Previous Alternator Part Number	Column B New Alternator Part Number	Column C Rating Volts, Amps
ALE-8421 ALE-8421R	ALE-8521 *	12V-40A
ALH-5420	ALH-5520	12V 55A
ALT-8420	ALT-8520	24V 50A
ALT-8421 ALT-8421R	ALT-8521	24V 50A
ALT-8421LS ALT-8421RS	ALT-8521LS	24V 50A
ALT-9422	ALT-9522 *	24V 50A
ALU-6421LS	ALU-6521LS	24V 70A
ALU-8421 ALU-8421R	ALU-8521	24V 70A
ALU-8421LS ALU-8421RS	ALU-8521LS	24V 70A

ALU-9422L ALU-9422R	ALU-9522	24V 70A
ALX-6423	ALX-6523 *	12V 70A
ALX-8421 ALX-8421R	ALX-8521	12V 70A
ALX-8421LS ALX-8421RS	ALX-8521LS	12V 70A
ALX-8423	ALX-8523	12V 70A
ALX-9422	ALX-9522	12V 70A
ALX-9424	ALX-9524	12V 70A
ALX-9425B	ALX-9525B	12V 70A
ALY-6420 ALY-6420G ALY-6420R ALY-6420RG	ALY-6520 *	12V 60A
ALY-6420LS	ALY-6520LS	12V 60A
ALY-6421	ALY-6521 *	12V 60A
ALY-6422	ALY-6522	12V 60A
ALY-6425	ALY-6525 *	12V 60A
ALY-6427	ALY-6527	12V 60A
ALY-8420 ALY-8420R	ALY-8520	12V 60A
ALY-8420LS ALY-8420RS	ALY-8520LS	12V 60A
ALY-8423 ALY-8423R	ALY-8523 *	12V 60A
ALY-8424	ALY-8524	12V 60A
ALY-8426 ALY-8426G ALY-8426R ALY-8426RG	ALY-8526	12V 60A
ALZ-8423 ALZ-8423G ALZ-8423R ALZ-8423RG	ALZ-8523	12V 50A
ANG-6423 ANG-6423S	ANG-6523	24V 60A
ES-4032	ALU-8532LS *	24V 75A
ES-4039LS	ALU-8539LS *	24V 75A

Note, * indicates non-PMA alternator approved under aircraft or engine type certificate.