prestolite®

SERVICE PARTS LIST

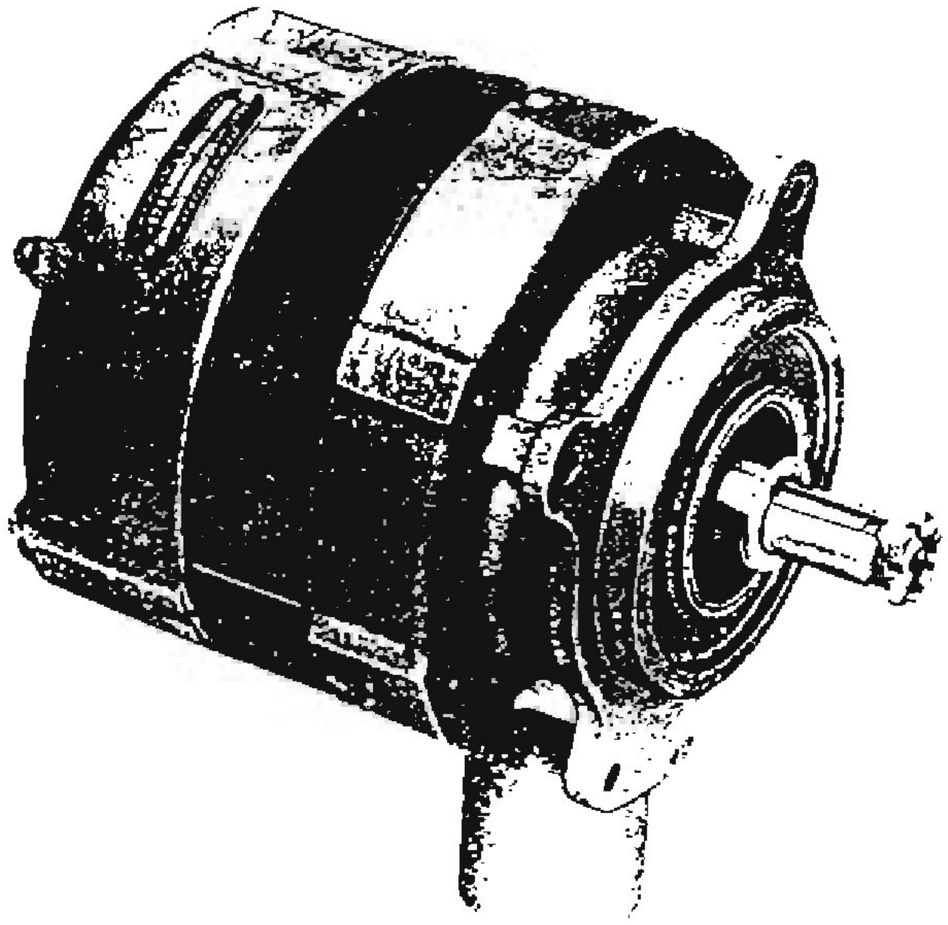
ALV SERIES

ALTERNATORS

ISSUED: 11-10-82 (Rev.)

ORIG.EQUIP. ALTERNATOR ENG. NUMBER		SERVICE ALTERNATOR ENG. NUMBER	SALES NUMBER	VOLTS: 24 APPLICATION
ALV-6403LS	USE	ALV-8512R	51-288	Lycoming(Aircraft)
ALV-6403RS	USE	ALV-8512R	51-288	Service Alternator
ALV-8402	USE	ALV-8511R	51-289	Teledyne Cont.(Aircraft)
ALV-8402L	USE	ALV-8511R	51-289	Lycoming(Aircraft)
ALV-8511	USE	ALV-8511R	51-289	Lycoming(Aircraft)
ALV-8511R		ALV-8511R	51-289	Service Alternator
ALV-8512	USE	ALV-8512R	51-288	Lycoming(Aircraft)
ALV-8512R		ALV-8512R	51-288	Service Alternator
ALV-9401	USE	ALV-9510R	51-290	Teledyne Cont.(Aircraft)
ALV-9401L	USE	ALV-9510R	51-290	Lycoming(Aircraft)
ALV-9401R	USE	ALV-9510R	51-290	Service Alternator
ALV-9405L	USE	ALV-9405R	51-193	Lycoming(Aircraft)
ALV-9405R		ALV-9405R	51-193	Service Alternator
ALV-9406L	USE	ALV-9406R	51-207	Lycoming(Aircraft)
ALV-9406R		ALV-9406R	51-207	Service Alternator
ALV-9407	USE	ALV-9510R	51-290	Teledyne Cont.(Aircraft)
ALV-9407S	USE	ALV-9510R	51-290	Service Alternator
ALV-9510	USE	ALV-9510R	51-290	- - - -
ALV-9510L	USE	ALV-9510R	51-290	Lycoming(Aircraft)
ALV-9510R		ALV-9510R	51-290	Service Alternator

NOTE: SEE TABLE FOR ALTERNATOR BEING SERVICED WHEN COMPONENT PARTS ARE REQUIRED.



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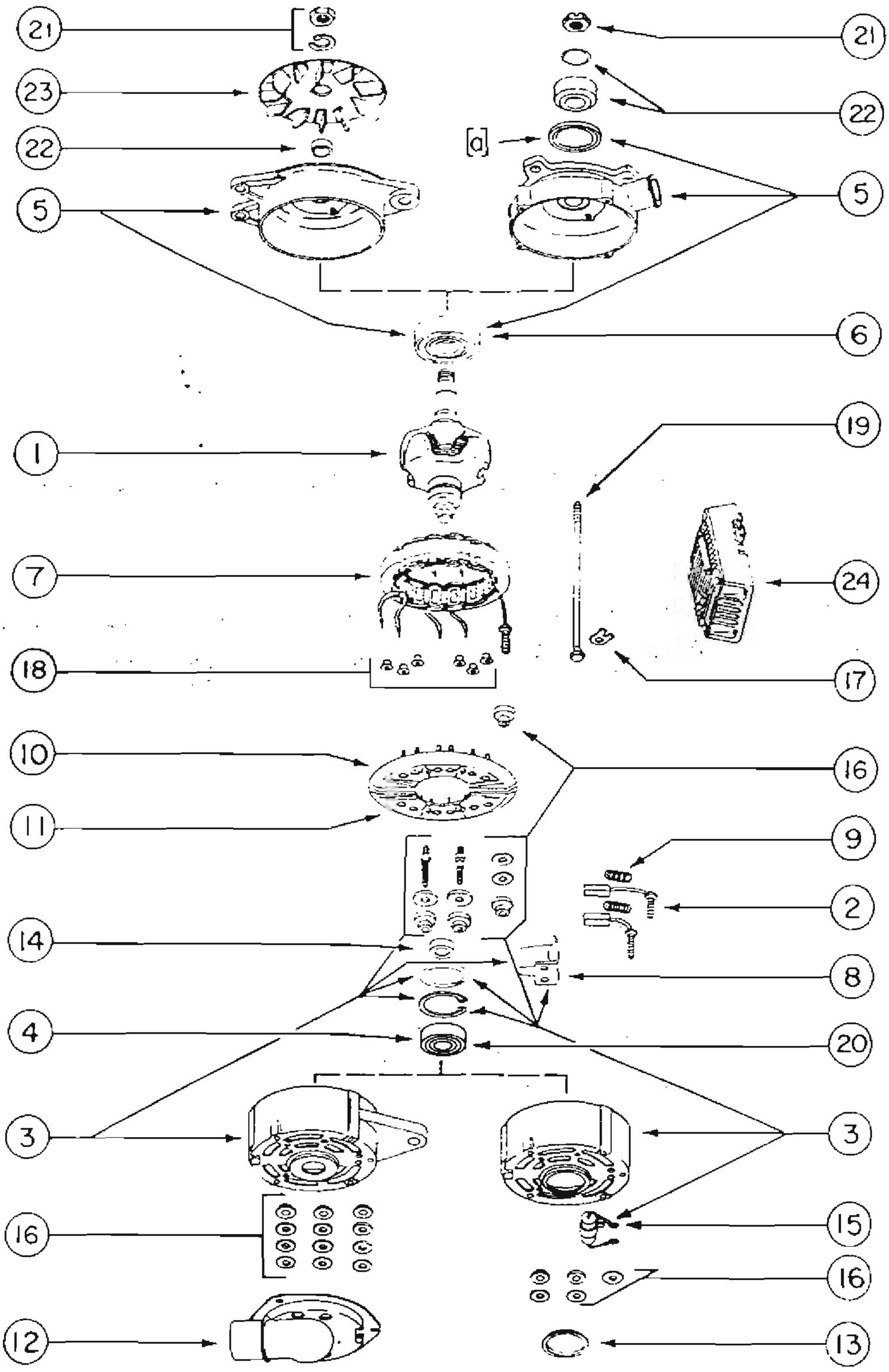
File in the
OE-92 PARTS BINDER

ALTERNATOR SECTION

ALV Series Alternator Parts List



Exploded View of Typical ALV Alternator

Assembly	Rotor Assembly (1)	Brush Set (2)	Slip Ring End Head Assembly (3)	Slip Ring End Bearing (4)	Drive End Head Assembly (5)	Drive End Bearing (6)	Stator Assembly (7)
ALV-6403LS - - - -	10-313 (ALV-2026AS)	11-69 (ALV-1012S)	12-277 (ALV-1022S)	25-66 (X-4087)	14-254 (AL8-2003A)	25-67 (X-4086)	13-177 (ALV-2008AS)
ALV-6403RS (51-167)	"	"	"	"	"	"	"
ALV-8402 (51-144)	"	"	"	"	"	"	"
ALV-8402L - - - -	"	"	"	"	"	"	"
ALV-8511 - - - -	"	"	12-330 (ALV-1022BS)	25-107 (X-3626A)	"	"	"
ALV-8511R (51-289)	"	"	"	"	"	"	"
ALV-8512 - - - -	"	"	"	"	"	"	"
ALV-8512R (51-288)	"	"	"	"	"	"	"
ALV-9401 - - - -	10-312 (ALV-2006AS)	"	12-281 (ALV-1002S)	25-66 (X-4087)	14-256[a] (ALV-1003)	"	"
ALV-9401L - - - -	"	"	"	"	"	"	"
ALV-9401R (51-188)	"	"	"	"	"	"	"
ALV-9405L - - - -	"	"	"	"	14-266[a] (ALV-1003A)	"	"
ALV-9405R (51-193)	"	"	"	"	"	"	"
ALV-9406L - - - -	"	"	"	"	14-256[a] (ALV-1003)	"	"
ALV-9406R (51-207)	"	"	"	"	"	"	"
ALV-9407 - - - -	"	"	12-302 (ALV-1002AS)	"	"	"	"
ALV-9407S (51-286)	"	"	"	"	"	"	"
ALV-9510 - - - -	10-313 (ALV-2026AS)	"	12-331 (ALV-1102AS)	25-107 (X-3626A)	"	"	"
ALV-9510L - - - -	"	"	"	"	"	"	"
ALV-9510R (51-290)	"	"	"	"	"	"	"

[a] 35-791(XA-1441) O.E. Oil Seal also available.

ALV SERIES

Assembly	Brush Holder & Bracket Assembly (8)	Brush Spring Set (9)	Pos.Rect. & Plate Assembly (10)	Neg.Rect. & Plate Assembly (11)	Vent. Cover Assembly (12)	Slip Ring End Bearing Cover (13)	Slip Ring Eng Retainer (14) [b]
ALV-6403LS - - - -	35-577 (ALV-1015)	50-408 (AMA-195)	35-574 (ALV-1004)	35-575 (ALV-1004A)	[NR]	35-578 (GJT-47)	35-29 (GR-32)
ALV-6403RS (51-167)	"	"	"	"	[NR]	"	"
ALV-8402 (51-144)	"	"	"	"	35-576 (ALV-1031)	"	"
ALV-8402L - - - -	"	"	"	"	"	"	"
ALV-8511 - - - -	"	"	"	"	"	"	[NR]
ALV-8511R (51-289)	"	"	"	"	"	"	[NR]
ALV-8512 - - - -	"	"	"	"	[NR]	"	[NR]
ALV-8512R (51-288)	"	"	"	"	[NR]	"	[NR]
ALV-9401 - - - -	"	"	"	"	[NR]	"	35-29 (GR-32)
ALV-9401L - - - -	"	"	"	"	[NR]	"	"
ALV-9401R (51-188)	"	"	"	"	[NR]	"	"
ALV-9405L - - - -	"	"	"	"	[NR]	"	"
ALV-9405R (51-193)	"	"	"	"	[NR]	"	"
ALV-9406L - - - -	"	"	"	"	35-576 (ALV-1031)	"	"
ALV-9406R (51-207)	"	"	"	"	"	"	"
ALV-9407 - - - -	"	"	"	"	[NR]	"	"
ALV-9407S (51-286)	"	"	"	"	[NR]	"	"
ALV-9510 - - - -	"	"	"	"	[NR]	"	[NR]
ALV-9510L - - - -	"	"	"	"	[NR]	"	[NR]
ALV-9510R (51-290)	"	"	"	"	[NR]	"	[NR]

[b] Used only on Early Production units having Snap Ring at Slip Ring End of Rotor Shaft.
[NR] Not required.

SHEET 3 ISSUED: 7-23-84 (REV.)

Assembly	Capacitor Assembly (15)	Terminal Stud Package (16)	Lock Tab Package (17)	Eyelet Package (18)	Thru Bolt Package (19)	Bearing O-Ring Seal (20)	Nut & Washer Package (21)
ALV-6403LS - - - -	[NR]	90-2040	36-809 (MES-98S)	90-818	35-499 (ALB-20AS)	35-60 (XA-744AB)	90-33
ALV-6403RS (51-167)	[NR]	"	"	"	"	"	"
ALV-8402 (51-144)	[NR]	"	"	"	"	"	"
ALV-8402L - - - -	[NR]	"	"	"	"	"	"
ALV-8511 - - - -	[NR]	"	"	"	"	35-799 (XA-1540S)	"
ALV-8511R (51-289)	[NR]	"	"	"	"	"	"
ALV-8512 - - - -	[NR]	"	"	"	"	"	"
ALV-8512R (51-288)	[NR]	"	"	"	"	"	"
ALV-9401 - - - -	[NR]	90-2046	"	"	35-596 (ALB-20AS-1)	35-60 (XA-744AB)	35-591[c] (8X-4075)
ALV-9401L - - - -	[NR]	"	"	"	"	"	"
ALV-9401R (51-188)	[NR]	"	"	"	"	"	"
ALV-9405L - - - -	[NR]	"	"	"	"	"	"
ALV-9405R (51-193)	[NR]	"	"	"	"	"	"
ALV-9406L - - - -	[NR]	90-2040	"	"	"	"	"
ALV-9406R (51-207)	[NR]	"	"	"	"	"	"
ALV-9407 - - - -	35-764 (ALV-1038S)	90-2046	"	"	"	"	"
ALV-9407S (51-286)	"	"	"	"	"	"	"
ALV-9510 - - - -	"	"	90-2639	"	"	35-799 (XA-1540S)	"
ALV-9510L - - - -	"	"	"	"	"	"	"
ALV-9510R (51-290)	"	"	"	"	"	"	"

[NR] Not required.
[c] Nut only; Washer not required.

ALV SERIES

Assembly	Rotor Shaft Spacer (22)	Vent. Fan (23)	Regulator (24)
ALV-6403LS - - - -	35-58 (ALB-21) *	34-387 (PU-1609A)	8-341 (VSF-7403S)
ALV-6403RS (51-167)	"	"	"
ALV-8402 (51-144)	"	"	"
ALV-8402L - - - -	"	"	"
ALV-8511 - - - -	"	"	"
ALV-8511R (51-289)	"	"	"
ALV-8512 - - - -	"	"	"
ALV-8512R (51-288)	"	"	"
ALV-9401 - - - -	35-595[d] (ALV-21) *	[NR]	"
ALV-9401L - - - -	"	[NR]	"
ALV-9401R (51-188)	"	[NR]	"
ALV-9405L - - - -	"	[NR]	"
ALV-9405R (51-193)	"	[NR]	"
ALV-9406L - - - -	"	[NR]	"
ALV-9406R (51-207)	"	[NR]	"
ALV-9407 - - - -	"	[NR]	"
ALV-9407S (51-286)	"	[NR]	"
ALV-9510 (51-290)	90-2822[e]	[NR]	"
ALV-9510L - - - -	"	[NR]	"
ALV-9510R (51-290)	"	[NR]	"

* Spacer only.

[NR] Not required.

[d] 35-589 (XA-744AZ) Shaft Spacer O-Ring is also available.

[e] Includes 35-589 (XA-744AZ) Shaft Spacer O-Ring.