

1. PLACE THIS ADDENDUM IN THE ADDENDUM FILE.
2. INSERT THE ATTACHED PAGES INTO THE SECTION IN THEIR PLACE.
3. HOLD THIS LINK SHEET AHEAD OF PAGE 1 OF THE SECTION.

BRUSH REPLACEMENTS FOR ROTATING MACHINES

1. GENERAL

1.001 This addendum supplements Section 171-110-802, Issue 12. The attached pages must be inserted in the section in accordance with the filing instructions above.

1.002 Issue 1 of this addendum was issued to replace the KS-5555 List 195 brushes with the KS-5555 List 195A brushes and to include an alternate brush grade for brushes used on the KS-15889 machines.

1.003 This addendum is reissued to revise the information on the KS-15511 Inverter covered in Table A.

3. MACHINES AND ASSOCIATED BRUSHES

The following changes apply to Part 3 of this section.

- (a) Table A — Revised
- (b) Table B — Revised
- (c) Table A — Revised

Attached:

Page 29 dated November 1966, revised.
Page 30 dated November 1966, reissued.
Page 31 dated November 1963, reissued.
Page 32 dated November 1963, revised.
Page 37 dated November 1963, revised.
Page 38 dated November 1963, reissued.

TABLE A (Cont)

MACHINE KS AND DESCRIPTION	NO. PER MACH	LATEST		SHAPE	BRUSH
		KS-5555, LIST NO.	GRADE		SIZE IN INCHES
7491 — COMPRESSOR SET					
GE Motor					
Model 5SCR204C73	2	*180	G	N	1-3/16 x 1/2 x 3/8
Model 5B204A77	2	67	377	C	1-1/4 x 3/4 x 3/8
7507 — VACUUM CLEANERS					
Give nameplate data and state whether mica is undercut or flush.					
VACUUM CLEANERS SIMILAR TO KS-7507 UNDER NAME "PROTOS" OR "MORRILL AND MORRILL," ETC.					
Give nameplate data.					
8038 — PORTABLE EXHAUSTER					
GE Motor					
Model 5BC44AB833	2	185	BP-20	Q	0.82 x 3/8 x 1/4
15511 — INVERTER					
Give nameplate data and state whether brushes are for ac or dc end.					
15520 — MOTOR-DRIVEN ALTERNATOR					
List 1					
Alternator	4	152	T-869		1-7/8 x 1 x 1/2
DC Motor	8	152	2345		2 x 1 x 1/2
Exciter	4	153	L352		1-1/4 x 3/4 x 3/8
List 3					
Alternator	2	151	T-869		1-7/8 x 1 x 1/2
DC Motor	12	155	2345		2 x 1 x 5/8
Exciter	4	153	L352		1-1/4 x 3/4 x 3/8
15521 — ENGINE-ALTER-NATOR					
Give nameplate data and state whether brushes are for alternator or exciter.					

*One list 180 covers the two brushes which are connected by a common pigtail.

TABLE A (Cont)

MACHINE KS AND DESCRIPTION	NO. PER MACH	KS-5555, LIST NO.	LATEST		BRUSH SIZE IN INCHES
			GRADE	SHAPE	
15532 — RINGING MACHINES					
(Holtzer-Cabot)					
DC Commutator	2	342	SA2522	V	1 x 3/8 x 3/8
AC Slip Ring	2	329	SA2522	S	27/32 x 19/64 dia x 1/4 flat
(Electric Specialty)					
(Serial numbers in the BO51, Z23, and Z35 series)					
AC Machine					
AC Alternator	2	501	EG11D		1-1/8 x 5/8 x 5/16
DC Machine					
AC Alternator	2	502	EG11D		11/16 x 1/4 x 1/4
DC Motor	2	503	EG11		1-3/16 x 3/4 x 5/16
(Serial numbers in the Z47 and Z60 series and numbers in the K7002 through K8545 series)					
AC Machine					
AC Alternator	2	502	EG11D		11/16 x 1/4 x 1/4
DC Machine					
AC Alternator	2	502	EG11D		11/16 x 1/4 x 1/4
DC Motor	2	504	EG11		1/2 x 7/16 x 1/4
(Serial numbers in the K9089 series and higher)					
AC Machine					
AC Alternator	2	509	EG11D		9/16 x 1/4 x 1/4
DC Machine					
AC Alternator	2	507	EG11		11/16 x 1/4 x 1/4
DC Motor	2	504	EG11		1/2 x 7/16 x 1/4

TABLE A (Cont)

MACHINE KS AND DESCRIPTION	NO. PER MACH	LATEST		SHAPE	BRUSH
		KS-5555, LIST NO.	GRADE		SIZE IN INCHES
15547 — MOTOR-DRIVEN INTERRUPTER	4	340	SA2522	SS	3/4 x 3/16 dia x 1/8 flat
15571 — MOTOR-DRIVEN RHEOSTAT (WARD- LEONARD)					Give nameplate data.
15610 — SWITCH PANELS (ANDERSON) (MOTOR)					Give nameplate data.
15622 — ENGINE-ALTER- NATOR					Give nameplate data and state whether brushes are for alter- nator or exciter.
15624 — SWITCH PANELS (ANDERSON) (MOTOR)					Give nameplate data.
15626 — MOTOR-DRIVEN ALTERNATOR					Give nameplate data and state whether brushes are for alter- nator, exciter, or dc motor.
15632 — DYNAMOTOR					Give nameplate data and state whether brushes are for low- or high-voltage end.
15650 — PORTABLE ENGINE- ALTERNATOR					Give nameplate data and state whether brushes are for alter- nator or exciter.
15688 — PORTABLE ENGINE- ALTERNATOR					Give nameplate data and state whether brushes are for alter- nator or exciter.
15700 — ENGINE-ALTERNATOR					Give nameplate data and state whether brushes are for alter- nator or exciter.
15717 — ENGINE-ALTERNATOR					Give nameplate data and state whether brushes are for alter- nator or exciter.
15743 — MOTOR-DRIVEN RHEOSTAT (WARD- LEONARD)					Give nameplate data.
15777 — ENGINE-ALTERNATOR					Give nameplate data and state whether brushes are for alter- nator or exciter.
15804 — RINGING MACHINE					
(Holtzer-Cabot) DC Commutator	2	343	SA2522		7/8 x 5/16 x 1/4
(Electric Specialty) DC Commutator	2	507	EG11		11/16 x 1/4 x 1/4
(General Electric) DC Commutator	2	200	PH	QB	59/64 x 1/4 x 1/4

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TABLE A (Cont)

MACHINE KS AND DESCRIPTION	NO. PER MACH	LATEST		SHAPE	BRUSH
		KS-5555, LIST NO.	GRADE		SIZE IN INCHES
15816 — RINGING MACHINE					
List 1					
Commutator	2	164	R420	C	1-1/4 x 3/4 x 3/8
Slip Ring	2	165	D	S	1-1/4 x 3/8 x 1/4
List 2					
Commutator	2	164	R420	C	1-1/4 x 3/4 x 3/8
Slip Ring	2	165	D	S	1-1/4 x 3/8 x 1/4
DC Motor	2	166	B253	C	1-1/4 x 1 x 3/8
15823 — MOTOR-DRIVEN ALTERNATOR					
DC MOTOR	4	*511	EG11		1-5/8 x 1-1/4 x 1/2
15834 — MOTOR-GENERATOR					
LIST					
3	4	417	400		2 x 1-1/2 x 3/8
4	4	418	400		2 x 1-1/2 x 1/2
5	8	419	400		2-1/4 x 1-1/2 x 1/2
6	4	417	400		2 x 1-1/2 x 3/8
7	4	418	400		2 x 1-1/2 x 1/2
8	8	419	400		2-1/4 x 1-1/2 x 1/2
15839 — MOTOR-GENERATOR					
↗ LIST	V	A			
3	33	400	12	194	**L352 C 2 x 1-1/4 x 5/8
4	33	600	12	195A	**L352 C 2-1/4 x 1-1/2 x 3/4
5	33	800	16	195A	**L352 C 2-1/4 x 1-1/2 x 3/4
6	33	1000	20	195A	**L352 C 2-1/4 x 1-1/2 x 3/4
9	63	200	8	193	**L352 C 2 x 1-1/4 x 1/2
10	63	400	12	199	**L352 C 2 x 1-1/4 x 5/8
11	63	500	12	195A	**L352 C 2-1/4 x 1-1/2 x 3/4
12	63	750	16	195A	**L352 C 2-1/4 x 1-1/2 x 3/4
14	33	400	12	194	**L352 C 2 x 1-1/4 x 5/8
15	33	600	12	195A	**L352 C 2-1/4 x 1-1/2 x 3/4
16	33	800	16	195A	**L352 C 2-1/4 x 1-1/2 x 3/4
17	33	1000	20	195A	**L352 C 2-1/4 x 1-1/2 x 3/4
19	63	400	12	199	**L352 C 2 x 1-1/4 x 5/8
20	63	500	12	195A	**L352 C 2-1/4 x 1-1/2 x 3/4
↘ 21	63	750	16	195A	**L352 C 2-1/4 x 1-1/2 x 3/4

*List 511 is furnished with a metal clip containing an adjusting screw. The assembled brush, clip, and screw is designed to be used in a solenoid operated brush lifter.

→ **Where dusting of the brushes has been experienced, it is recommended that brush grade L356 be used.

TABLE B (Cont)

BRUSH LIST	KS SPEC OF MACH			BRUSH LIST	KS SPEC OF MACH		BRUSH LIST	KS SPEC OF MACH	
93	5137	5442	5448	†133	*5123		179	5506	
94		5654		†134	*5123		180	7491	
95	5137			135	*5123		181	5550	
				†136	*5123		182	5123	
96	5137						183	5123	
97	*5293	5366	*5376	†137	*5123		184	5137	5748 8038
†98	*5396			†138	*5123		185	5442	D Spec 96738
99	5396	5397		139	5137			5137	
100	5396	5397		†140	*5137		186	5137	
				141	5654		187	5137	
†101	*5419						188	5123	5137
102	5366			142	5654		189	5123	
103	5366			143	5654		190	5123	
104	5123			144	5654		191	5123	
				145	5671		192	5123	
105	5123			146	5671		193	15839	
106	5123						194	15839	
†107	*5123			147	5123		†195	15839	
108	5123	5467	5518	148	5123		195A	15839	
				†149	*5748		196	5123	
109	5396	5397					197	15993	
110	5293	5376	5532				198	15993	
	5540			150	5748		199	15839	
†111	*5419			151	15520		200	15804	
†112	*5396			152	15520		301	5032	
113	5430			153	15520		302	5032	5133
†114	*5506	*5540		†154	*15520		303	5032	
†115	*7491			155	15520		304	*5032	*5131 *5132
†116	*8038	*D Spec 96738		†156	*15520			5133	*5159 *5352
				†157	*5123		305	5032	D Spec 97067
117	5396	5397		†158	*5123		†306		
†118	*5123			†159	*5123		†307	Never used	
119	5123			160	5123		†308		
120	5123			161	5123		†309	*5133 *5187 *5188	
121	5123	5550		162	5123			*5313 *5510	
				163	5123		†310	*5133 *5187 *5188	
122	5123	5245	5296	164	15816			*5510	
	5450	5467	5518	165	15816		†311	*5133 *5187 *5188	
	5550	*5549		166	15816			*5313 *5510	
				167	*15839		312	5131 5132 5133	
†123	*5549	*5550		168	*15839			*5546	
124	5012			169	*15839		†313	*5319	
125	5028	5030		170	15842		314	5133	
†126	*5123			171	15842		315	5131 5132 5187	
127	5245			172	15842			5188 5313	
128	5123			173	5117		316	5319 5510 5546	
129	5123			174	5123			5659 15511	
130	5580			175	5137	5442	317	HD13, HD14	
131	5123			176	5402		†318	*M1 & M2	
†132	*5123			177	5123		†319	*M2 & M3	
							320	M3	
							†321	*M3	

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TABLE B (Cont)

BRUSH LIST	KS SPEC OF MACH			BRUSH LIST	KS SPEC OF MACH	BRUSH LIST	KS SPEC OF MACH		
322	HD1, HD2			†376	*5500	405	5668		
	HD12			†377	*5500	406	5668		
323	HD2			†378	*5500	407	5668		
				†379	*5500	408	5668		
324	M1 & M2					409	5575		
325	5159	5319	5352	†380	*5500	410	5668		
326	5159	5319	5352	†381	*5500	411	5668		
†327	*5319			382	5500	412	5668		
†328	*5319			383	5500	413	5668		
329	5131	5132	5187	384	5500	414	5668		
	5188	5313	5458	385	5500	415	5668		
	15511	15532				416	5668		
330	5133			386	5500	417	15834		
†331	*5133			387	5500	418	15834		
				388	5500	419	15834		
332	5032	5133	5510	389	5500				
	5540	5659		390	5500	501	5726	15532	15991
†333	*5319	*5546	*5659	391	5500	502	15532		
334	5319			392	5575	503	5726	15532	
335	5319			→ 393	15986	504	5319	15532	
336	5319			→ 394	15986	505	5319		
†337	*5546	*5659		401	5668	506	5726		
338	5133	5187	5188	402	5668	→ 507	15532	15804	15985
	5313	5510		403	5668	508	5726		
339	5133	5187	5188	404	5668	509	15532		
	5510					→ *510	15532		
340	5319	5546	5659			511	15823	15949	
	15547					512	15991		
341	5133	5187	5188			513	15991		
	5313	5510				514	15991		
342	15532					515	15991		
343	15804								
						601	15994		
						602	15994		
						→ 701	15844		