

GENERAL ELECTRIC

GENERAL ELECTRIC COMPANY, CORPORATIONS PARK, BUILDING 702,
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OUTDOOR
POWER EQUIPMENT
OPERATION

April 20, 1973

To: All Elec-Trak Tractor Dealers

Subject: Mower Motor Repair Parts

Recently you have been mailed a procedure on how to repair mower motors. To assist you in ordering parts needed to make these repairs, a cross reference list has been provided with this letter.

Dealer repairs are to be performed on in-warranty as well as out-of-warranty mower motors; however, if the armature or shell magnet assembly fails in-warranty, the motor should be replaced and returned for credit. For in-warranty repairs a warranty claim should be submitted to Product Service for repair part material and labor. A standard labor rate for motor repairs has been established as follows:

<u>Type of Repair</u>	<u>Standard Time</u>
Removal & Reassembly of Motor to Mower Deck	30 minutes
Replacement of Brushes	15 minutes
" " 1 Bearing	10 minutes
" " 2 Bearings	15 minutes
" " Brushes & 1 Bearing	20 minutes
" " " " 2 Bearings	25 minutes

As the above listed types of repair are typical of that experienced with failed mower motors, each dealer should have available in stock, as a minimum, the following quantity of parts for each of the mower motors:

Brush Assembly	4
Bearing, Commutator End	2
Bearing, Shaft End	4

Other parts should be ordered from your parts distributor on a need basis.



In some cases it may become necessary to substitute motor number 541C971P1 for 211A3435G1 whenever the latter motor is not available.

This can be done by replacing the existing terminals that connect to the motor stud terminals with terminal number 243A4538P4. It is recommended that at least two packages of these terminals be kept in each dealer's stock. To assure the appearance of the mower will be pleasing to the customer when motors of different diameters are mounted, relocate the different diameter motor in the center position when one motor in three is different.

W. A. Podoba
W. A. Podoba, Manager
Dealer Service

WAP/cp

Standard Time	Type of Repair
10 minutes	Replacement of brushes
15 minutes	1 Bearing
10 minutes	2 Bearings
15 minutes	2 Bearings & 1 Bearing
20 minutes	2 Bearings
25 minutes	2 Bearings

As the above listed types of repair are typical of that experienced with failed power motors, each dealer should have available in stock, as a minimum, the following quantity of parts for each of the power motors:

- Brush Assembly
- Bearing, Compressor End
- Bearing, Shaft End



Mower Motor Spare Parts Price List

211A3435G1 - Mower Motor

<u>Description</u>	<u>Part No.</u>	<u>Dealer Net</u>	<u>Sugg. List</u>
Armature with Bearings	243A4736P1	23.40	31.00
Drive End Shield and Stator Asm.	243A4736P2	16.50	22.00
Endshield, Com. End	243A4736P3	2.25	3.00
Cover	243A4736P4	.50	.70
Brush Assembly	243A4736P5	1.65	2.20
Bearing, Com. End	243A4736P6	2.20	2.95
Bearing, Shaft End	243A4736P7	3.10	4.15
Screw, Clamp	243A4736P8	.50	.70
Washer, Spring	243A4736P9	.25	.35
Washer, Steel	243A4736P10	.50	.70
Washer, Shim	243A4736P11	.25	.35
Insulator	243A4736P12	.25	.35
Brush Spring	243A4736P13	.75	1.00
Brush Holder and Yoke	243A4736P14	7.55	10.00
Nut, Clamp Screw	243A4736P15	.50	.70
Washer, Clamp Screw	243A4736P16	.50	.70
Nut, Yoke	243A4736P18	.50	.70
Screw, Cover	243A4736P17	.25	.35
Motor Terminals	243A4538P4 (pkg. 6)	.50	

Mower Motor Spare Parts Listing

Mower Motor					Dealer	Sugg.
158C9011P1	155C8086P1	158C9017P1	155C8075P1	541C971P1	Net	List
					<u>Description</u>	<u>Part No.</u>
			X		Shell & Magnet Asm.	244A7329P1 14.75 19.60
X	X	X	X	X	Shaft End Bell	244A7329P2 .70 .95
			X		Armature, Bearing Snap Ring Asm.	244A7329P3 17.00 22.60
X	X	X	X	X	Shaft, End Bearing	244A7329P4 1.65 2.20
X	X	X	X	X	Commutator End Bearing	244A7329P5 1.15 1.55
	X	X	X	X	Com. End Bell Asm. (Inc. Brushes)	244A7329P6 3.00 4.00
	X	X	X	X	Brush Asm.	244A7329P7 .75 1.00
X	X	X	X	X	External Bearing Shield	244A7329P8 .25 .35
X	X	X	X	X	Internal Bearing Shield	244A7329P9 .25 .35
X		X			Terminal Cover	244A7329P10 .60 .80
			X		Tie Bolt	244A7329P11 .25 .35
X	X	X	X	X	Twin Whiz Lock Nut (1/4-20)	244A7329P12 .50 .70
	X		X		Circuit Breaker and Bracket	247A7390P1 3.50 4.25
		X			Shell and Magnet Asm.	244A7329P14 14.75 19.60
		X	X		Armature and Snap Ring Asm.	244A7329P15 16.75 22.20
X		X			Terminal Cover	244A7329P16 .70 .95
		X			Tie Bolt	244A7329P17 .25 .35
		X			Circuit Breaker	211A3530P1 2.20 2.95
	X				Shell and Magnet Asm.	244A7329P19 14.75 19.60
		X			Tie Bolt	244A7329P20 .25 .35
X					Shell and Magnet Asm.	244A7329P21 14.75 19.60
X					Armature and Snap Ring Asm.	244A7329P22 17.25 23.00

Mower Motor Spare Parts Listing

Mower Motor					
158C9011P1	155C8086P1	158C9017P1	155C8075P1	541C971P1	
					<u>Description</u>
					<u>Part No.</u>
					<u>Dealer Net</u>
					<u>Sugg. List</u>
					X Tie Bolt 244A7329P23 .25 .35
X	X				X Thrust Washer 244A7329P24 .25 .35
		X			X Circuit Breaker 211A3530P2 2.20 2.95
X					X Shell and Magnet Asm. 244A7329P26 19.50 26.00
X					X Armature, Bearings, Snap Ring Asm. 244A7329P27 17.00 22.40
X					X Com. End Bell Asm. (Inc Brushes) 244A7329P28 4.80 6.35
X					X Brush Asm. 244A7329P29 .90 1.20
X					X Tie Bolt 244A7329P30 .35 .50
		X			X Shell and Magnet Asm. 244A7329P31 14.75 19.60
		X			X Armature, Bearing Snap Ring Asm. 244A7329P32 17.00 22.60
X					X Circuit Breaker and Bracket 247A7390P3 3.50 4.25