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:

<table>
<thead>
<tr>
<th>Type of Repair</th>
<th>Standard Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Removal &amp; Reassembly of Motor to Mower Deck</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Replacement of Brushes</td>
<td></td>
</tr>
<tr>
<td>&quot; 1 Bearing</td>
<td>15 minutes</td>
</tr>
<tr>
<td>&quot; 2 Bearings</td>
<td>10 minutes</td>
</tr>
<tr>
<td>&quot; Brushes &amp; 1 Bearing</td>
<td>15 minutes</td>
</tr>
<tr>
<td>&quot; 2 Bearings</td>
<td>20 minutes</td>
</tr>
<tr>
<td>&quot; 2 Bearings</td>
<td>25 minutes</td>
</tr>
</tbody>
</table>

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
Manager
Dealer Service

WAP/cp
## Mower Motor Spare Parts Price List

**Description** | **Part No.**  | **Dealer Net** | **Sugg. List**
--- | --- | --- | ---
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 |
<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>Dealer Net</th>
<th>Sugg. List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shell &amp; Magnet Asm.</td>
<td>244A7329P1</td>
<td>14.75</td>
<td>19.60</td>
</tr>
<tr>
<td>Shaft End Bell</td>
<td>244A7329P2</td>
<td>.70</td>
<td>.95</td>
</tr>
<tr>
<td>Armature, Bearing Snap Ring Asm.</td>
<td>244A7329P3</td>
<td>17.00</td>
<td>22.60</td>
</tr>
<tr>
<td>Shaft, End Bearing</td>
<td>244A7329P4</td>
<td>1.65</td>
<td>2.20</td>
</tr>
<tr>
<td>Commutator End Bearing</td>
<td>244A7329P5</td>
<td>1.15</td>
<td>1.55</td>
</tr>
<tr>
<td>Com. End Bell Asm. (Inc. Brushes)</td>
<td>244A7329P6</td>
<td>3.00</td>
<td>4.00</td>
</tr>
<tr>
<td>Brush Asm.</td>
<td>244A7329P7</td>
<td>.75</td>
<td>1.00</td>
</tr>
<tr>
<td>External Bearing Shield</td>
<td>244A7329P8</td>
<td>.25</td>
<td>.35</td>
</tr>
<tr>
<td>Internal Bearing Shield</td>
<td>244A7329P9</td>
<td>.25</td>
<td>.35</td>
</tr>
<tr>
<td>Terminal Cover</td>
<td>244A7329P10</td>
<td>.60</td>
<td>.80</td>
</tr>
<tr>
<td>Tie Bolt</td>
<td>244A7329P11</td>
<td>.25</td>
<td>.35</td>
</tr>
<tr>
<td>Twin Whiz Lock Nut (1/4-20)</td>
<td>244A7329P12</td>
<td>.50</td>
<td>.70</td>
</tr>
<tr>
<td>Circuit Breaker and Bracket</td>
<td>247A7390P1</td>
<td>3.50</td>
<td>4.25</td>
</tr>
<tr>
<td>Shell and Magnet Asm.</td>
<td>244A7329P14</td>
<td>14.75</td>
<td>19.60</td>
</tr>
<tr>
<td>Armature and Snap Ring Asm.</td>
<td>244A7329P15</td>
<td>16.75</td>
<td>22.20</td>
</tr>
<tr>
<td>Terminal Cover</td>
<td>244A7329P16</td>
<td>.70</td>
<td>.95</td>
</tr>
<tr>
<td>Tie Bolt</td>
<td>244A7329P17</td>
<td>.25</td>
<td>.35</td>
</tr>
<tr>
<td>Circuit Breaker</td>
<td>211A3530P1</td>
<td>2.20</td>
<td>2.95</td>
</tr>
<tr>
<td>Shell and Magnet Asm.</td>
<td>244A7329P19</td>
<td>14.75</td>
<td>19.60</td>
</tr>
<tr>
<td>Tie Bolt</td>
<td>244A7329P20</td>
<td>.25</td>
<td>.35</td>
</tr>
<tr>
<td>Shell and Magnet Asm.</td>
<td>244A7329P21</td>
<td>14.75</td>
<td>19.60</td>
</tr>
<tr>
<td>Armature and Snap Ring Asm.</td>
<td>244A7329P22</td>
<td>17.25</td>
<td>23.00</td>
</tr>
<tr>
<td>Description</td>
<td>Part No.</td>
<td>Dealer Net</td>
<td>Sugg. List</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>-------------</td>
<td>------------</td>
<td>------------</td>
</tr>
<tr>
<td>Tie Bolt</td>
<td>244A7329P23</td>
<td>.25</td>
<td>.35</td>
</tr>
<tr>
<td>Thrust Washer</td>
<td>244A7329P24</td>
<td>.25</td>
<td>.35</td>
</tr>
<tr>
<td>Circuit Breaker</td>
<td>211A3530P2</td>
<td>2.20</td>
<td>2.95</td>
</tr>
<tr>
<td>Shell and Magnet Asm.</td>
<td>244A7329P26</td>
<td>19.50</td>
<td>26.00</td>
</tr>
<tr>
<td>Armature, Bearings, Snap Ring Asm.</td>
<td>244A7329P27</td>
<td>17.00</td>
<td>22.40</td>
</tr>
<tr>
<td>Com. End Bell Asm. (Inc Brushes)</td>
<td>244A7329P28</td>
<td>4.80</td>
<td>6.35</td>
</tr>
<tr>
<td>Brush Asm.</td>
<td>244A7329P29</td>
<td>.90</td>
<td>1.20</td>
</tr>
<tr>
<td>Tie Bolt</td>
<td>244A7329P30</td>
<td>.35</td>
<td>.50</td>
</tr>
<tr>
<td>Shell and Magnet Asm.</td>
<td>244A7329P31</td>
<td>14.75</td>
<td>19.60</td>
</tr>
<tr>
<td>Armature, Bearing Snap Ring Asm.</td>
<td>244A7329P32</td>
<td>17.00</td>
<td>22.60</td>
</tr>
<tr>
<td>Circuit Breaker and Bracket</td>
<td>247A7390P3</td>
<td>3.50</td>
<td>4.25</td>
</tr>
</tbody>
</table>