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WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME
## Bally Flipper Type Pinball Games

**Number in parenthesis indicates number of players**
(A) Indicates add-a-ball model of preceding game
(E) Indicates electronic
(S) Indicates supersize

### Listed Chronologically

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### Component Parts List

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RECTIFIER BOARD ASSEMBLY

- FRONTIER
- HOT DOGGING
- MYSTIC
- SKATEBALL
- VIKING

COMPONENT PARTS LIST

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<td>25</td>
<td>E-00148-0022</td>
<td>Fuse Clips</td>
<td></td>
</tr>
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</table>
### Component Parts List

<table>
<thead>
<tr>
<th>ITEM</th>
<th>REFERENCE DESIGNATION</th>
<th>BALLY PART NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1-14</td>
<td>Bulk Resistors</td>
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<td>AS-2518-22</td>
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<td>15</td>
<td>RT1</td>
<td>E-00599-0014</td>
<td>Pot (Linear 25k)</td>
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<tr>
<td>16</td>
<td>C25</td>
<td>E-00598-0014</td>
<td>Capacitor, MFD 20V</td>
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<td>17</td>
<td>C26</td>
<td>E-00598-0059</td>
<td>Capacitor, 160 MFD, 250V</td>
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<td>18</td>
<td>C27</td>
<td>E-00598-0063</td>
<td>Capacitor, 2 MFD, 25V</td>
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<td>19</td>
<td>C28</td>
<td>E-00598-0062</td>
<td>Capacitor, 11700 MFD, 20V</td>
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<td>20</td>
<td>C29</td>
<td>E-00598-0064</td>
<td>Capacitor, 0.02 MFD, 1kV</td>
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<td>C1-C8, C11-C21</td>
<td>E-00598-0005</td>
<td>Capacitor, 01 MFD, 500V</td>
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<tr>
<td>22</td>
<td>C22-C27, C28</td>
<td>E-00116-0795</td>
<td>Relay, Printed Circuit</td>
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<td>C27</td>
<td>E-00595-0034</td>
<td>Transistor, SE9302</td>
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<td>25</td>
<td>G1, G19</td>
<td>E-00595-0001</td>
<td>Transistor, 2N3440</td>
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<td>26</td>
<td>G022, G023</td>
<td>E-00595-0042</td>
<td>Transistor, 2N3584</td>
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</tbody>
</table>
| 27   | G021                   | E-00595-0042   | 4.5V Regulator, LA81405 or
| 28   | G020                   | E-00587-0015   | 740050 or LM3330 |
| 30   | CR1-CR21               | E-00595-0010   | Diode, Zener 140V, IN5275A |
| 31   | V71                    | E-00581        | I.C. Transistor Array, CA3081 |
| 32   | U1, U3, U4             | E-00020-0039   | I.C. Binary to 1/16 Decoder, 74L154 |
| 36   | E-00592-0002*          | M-1839*        | Relay Socket |
| 37   | E-00682                | M-1839*        | Heat Sink, TO5 |
| 38   | E-00736-0015           | M-1839*        | Heat Sink, TO5 |
| 39   | E-00686-0012           | M-1839*        | Heat Sink, TO3 Case |
| 40   | E-00736-0025           | M-1839*        | 15 Pin Wafer Connector |
| 41   | E-00736-0021           | M-1839*        | 12 Pin Wafer Connector |
| 42   | E-00715-0020           | M-1839*        | 25 Pin Wafer Connector |
| 43   | E-00715-0021           | M-1839*        | 9 Pin Wafer Connector |
| 44   | E-00148-0021           | M-1839*        | Shielded Glass |
| 45   | E-00133-0029           | M-1839*        | Fuse Clips |

*USED WITH ITEM 24, E-00146-0791, PLUG IN RELAY ONLY.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME
COMPONENT PARTS LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>REFERENCE DESIGNATION</th>
<th>BALLY PART NO.</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>A4 (see note 1)</td>
<td>AS-2962 XX</td>
<td>MPU Module Complete.</td>
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<tr>
<td>2</td>
<td>A4 (see note 2)</td>
<td>AS-2518-35</td>
<td>MPU Module less Program</td>
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<tr>
<td>3-32</td>
<td>See Schematic</td>
<td></td>
<td>Resistors, See schematic for value.</td>
</tr>
<tr>
<td>34</td>
<td>C18</td>
<td>E-00688-0019</td>
<td>Capacitor, .05 MFD, 100V</td>
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<td>C16</td>
<td>E-00688-0081</td>
<td>Capacitor, .1 MFD, 100V</td>
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<td>C4, C5</td>
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<td>Capacitor, 4.7 MFD, 25V</td>
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<td>C3, C5-C13, C17, C81, C80</td>
<td>E-00688-0086</td>
<td>Capacitor, .01 MFD, 500V</td>
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<tr>
<td>38</td>
<td>C41-C67</td>
<td>E-00688-0083</td>
<td>Capacitor, 470 PF, 1kv</td>
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<tr>
<td>39</td>
<td>C19-C31, C78, C33-C40, C79</td>
<td>E-00688-0082</td>
<td>Capacitor, 390 PF, 1kv</td>
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<td>C48</td>
<td>E-00688-0034</td>
<td>Capacitor, 820 PF, 1kv</td>
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<tr>
<td>41</td>
<td>C32</td>
<td>E-00688-0077</td>
<td>Capacitor, 3000 PF, 1kv</td>
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<tr>
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<td>Q5</td>
<td>E-00855-0023</td>
<td>Transistor NPN (MPS-3702)</td>
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<td>Q1, Q2</td>
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<td>Transistor NPN (2N3904)</td>
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<td>47</td>
<td>CR44</td>
<td>E-00857-0015</td>
<td>Diode (IN4004)</td>
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<td>49</td>
<td>CR8</td>
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<td>LED (Green)</td>
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<td>50</td>
<td>VR1</td>
<td>E-00688-0008</td>
<td>Diode Zener (6.2V, IN9588)</td>
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<tr>
<td>51</td>
<td>L1, L2</td>
<td>E-00604-0003</td>
<td>Inductor, 22 Micro Hy.</td>
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<td>52</td>
<td>U12</td>
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<td>Timer (555)</td>
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<td>54</td>
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<td>E-00620-0005</td>
<td>Quad 2 Input (4011)</td>
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<td>56</td>
<td>U9</td>
<td>E-00620-0028</td>
<td>MPU L.C. (8800)</td>
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<td>57</td>
<td>U10, U11</td>
<td>E-00620-0020</td>
<td>PIA L.C. (8820/21)</td>
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<td>58</td>
<td>U7</td>
<td>E-00620-0030</td>
<td>RAM L.C. (6810)</td>
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<td>59</td>
<td>U20</td>
<td>E-00620-0032</td>
<td>HEX Buffer L.C. (14502B)</td>
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<td>Quad Memory Driver (MC3455L)</td>
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<td>66</td>
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<td>Battery</td>
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<td>67</td>
<td>S33</td>
<td>E-00658-0001</td>
<td>Push Button Switch</td>
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<td>S1-S8, S9-S16, S17-S24, S25-S32</td>
<td>E-00677</td>
<td>DIP Switch</td>
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<td>71</td>
<td>S33</td>
<td>E-00712</td>
<td>24 Pin Socket</td>
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<td>72</td>
<td>S33</td>
<td>E-00712-0001</td>
<td>40 Pin Socket</td>
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<td>73</td>
<td>J2</td>
<td>E-00712-0003</td>
<td>22 Pin Socket</td>
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<td>J4</td>
<td>E-00766-0015</td>
<td>15 Pin Wafer Connector</td>
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<td>75</td>
<td>J4</td>
<td>E-00766-0028</td>
<td>28 Pin Wafer Connector</td>
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<td>76</td>
<td>J3 P/O J5</td>
<td>E-00766-0016</td>
<td>16 Pin Wafer Connector</td>
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<td>J5</td>
<td>E-00766-0019</td>
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<td>78</td>
<td>J1</td>
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<td>E-00647-0004</td>
<td>Ty-Wrap</td>
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<td>80</td>
<td>P/O J6</td>
<td>E-00686-0067</td>
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<td>85</td>
<td>C14, C15</td>
<td>E-00686-0067</td>
<td>Capacitor 470 PF, 1kv</td>
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</table>

Note 1: AS-2518-35 is without memory (ROM) combinations.

Note 2: When ordering replacement memory chips U1-U8, refer to part number stamped on chip, or Memory Combination Charts on Page 16.
## Table I: Memory Combinations and Jumpers for Use with MPU AS-2518-35

<table>
<thead>
<tr>
<th>Name of Game</th>
<th>U1</th>
<th>U2</th>
<th>U3</th>
<th>U4</th>
<th>U5</th>
<th>U6</th>
<th>Jumpers Required</th>
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</thead>
<tbody>
<tr>
<td><strong>Hotdoggin</strong></td>
<td>E809-02</td>
<td>E809-04</td>
<td>E809-35</td>
<td>E809-37</td>
<td>E809-39</td>
<td>E809-40</td>
<td>E809-42</td>
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<tr>
<td><strong>Viking</strong></td>
<td>E802-02</td>
<td>E802-04</td>
<td>E802-35</td>
<td>E802-37</td>
<td>E802-39</td>
<td>E802-40</td>
<td>E802-42</td>
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<tr>
<td><strong>Skateball</strong></td>
<td>E823-21</td>
<td>E823-22</td>
<td>E823-23</td>
<td>E823-24</td>
<td>E823-25</td>
<td>E823-26</td>
<td>E823-27</td>
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<tr>
<td><strong>Frontier</strong></td>
<td>E810-08</td>
<td>E810-09</td>
<td>E810-38</td>
<td>E810-39</td>
<td>E810-40</td>
<td>E810-41</td>
<td>E810-42</td>
</tr>
<tr>
<td><strong>Flash Gordon</strong></td>
<td>E834-24</td>
<td>E834-25</td>
<td>E834-52</td>
<td>E834-53</td>
<td>E834-54</td>
<td>E834-55</td>
<td>E834-56</td>
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</table>

## Table II: Memory Combinations and Jumpers for Use with Sound Module AS-2518-51

<table>
<thead>
<tr>
<th>Name of Game</th>
<th>U1</th>
<th>U2</th>
<th>U3</th>
<th>U4</th>
<th>U5</th>
<th>U6</th>
<th>Jumper Requirments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Huihuu</strong></td>
<td>E809-02</td>
<td>E809-04</td>
<td>E809-35</td>
<td>E809-37</td>
<td>E809-39</td>
<td>E809-40</td>
<td>B and C</td>
</tr>
<tr>
<td><strong>Viking</strong></td>
<td>E802-02</td>
<td>E802-04</td>
<td>E802-35</td>
<td>E802-37</td>
<td>E802-39</td>
<td>E802-40</td>
<td>B and C</td>
</tr>
<tr>
<td><strong>Skateball</strong></td>
<td>E823-21</td>
<td>E823-22</td>
<td>E823-23</td>
<td>E823-24</td>
<td>E823-25</td>
<td>E823-26</td>
<td>B and C</td>
</tr>
<tr>
<td><strong>Frontier</strong></td>
<td>E810-08</td>
<td>E810-09</td>
<td>E810-38</td>
<td>E810-39</td>
<td>E810-40</td>
<td>E810-41</td>
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## Table III: Memory Combinations and Jumpers for Sound Plus Module AS-2518-56

<table>
<thead>
<tr>
<th>Name of Game</th>
<th>U1</th>
<th>U2</th>
<th>U3</th>
<th>U4</th>
<th>U5</th>
<th>U6</th>
<th>Jumper Requirments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flash Gordon</strong></td>
<td>E834-02</td>
<td>E834-03</td>
<td>E834-37</td>
<td>E834-38</td>
<td>E834-39</td>
<td>E834-40</td>
<td>D and E</td>
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</table>

## Table IV: Memory Combinations and Jumpers for Vocalizer Module AS-2518-57

<table>
<thead>
<tr>
<th>Name of Game</th>
<th>U1</th>
<th>U2</th>
<th>U3</th>
<th>U4</th>
<th>U5</th>
<th>U6</th>
<th>Jumper Requirments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flash Gordon</strong></td>
<td>E834-02</td>
<td>E834-03</td>
<td>E834-37</td>
<td>E834-38</td>
<td>E834-39</td>
<td>E834-40</td>
<td>B and D</td>
</tr>
</tbody>
</table>

## Table V: Memory Combinations and Jumpers for Squaw & Talk Module AS-2518-61

<table>
<thead>
<tr>
<th>Name of Game</th>
<th>U1</th>
<th>U2</th>
<th>U3</th>
<th>U4</th>
<th>U5</th>
<th>U6</th>
<th>Jumper Requirments</th>
</tr>
</thead>
</table>

*When ordering part, specify part no. and name of game.*
COMPONENT PARTS LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>REFERENCE DESIGNATION</th>
<th>BALLY PART NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>A1</td>
<td>P-2948-240</td>
<td>P.C.B M 645-535</td>
</tr>
<tr>
<td>2</td>
<td>U1</td>
<td>E-620-124</td>
<td>Sound Chip AY-3-8910</td>
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<tr>
<td>3</td>
<td>U2</td>
<td>E-620-29</td>
<td>PIA, 6820/1</td>
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<tr>
<td>4</td>
<td>U3</td>
<td>E-620-125 (E-620-128)</td>
<td>CPU, 6808 (6802 Note 1)</td>
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<tr>
<td>5</td>
<td>U10</td>
<td>E-620-30</td>
<td>RAM, 6810 (Note 1)</td>
</tr>
<tr>
<td>6</td>
<td>U5</td>
<td>E-620-33</td>
<td>Hexinverter 40498</td>
</tr>
<tr>
<td>7</td>
<td>U6</td>
<td>E-620-5</td>
<td>Quad 2 Input 401 I8</td>
</tr>
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<td>8</td>
<td>U8</td>
<td>E-620-126</td>
<td>AMP, LM3000</td>
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<td>9</td>
<td>U9</td>
<td>E-620-127</td>
<td>Power Amp, TDA 2002</td>
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<td>10</td>
<td>Q1, Q2</td>
<td>E-585-31</td>
<td>Transistor, 2N3904</td>
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<td>11</td>
<td>CR1, 2</td>
<td>E-87-9</td>
<td>Diode, IN4004</td>
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<tr>
<td>12</td>
<td>SW1</td>
<td>E-608-1</td>
<td>Switch</td>
</tr>
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<td>13</td>
<td>C12</td>
<td>E-586-118</td>
<td>Cap., 2MF ± 20% Y5P, 16 V</td>
</tr>
<tr>
<td>14</td>
<td>C2</td>
<td>E-586-130</td>
<td>Cap., 47MF ± 20% Z5V, 16 V</td>
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<tr>
<td>15</td>
<td>C16</td>
<td>E-586-63</td>
<td>Cap., 470 PF 50 V</td>
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<tr>
<td>16</td>
<td>C3</td>
<td>E-586-120</td>
<td>Cap., 68 PF, ± 20% I K</td>
</tr>
<tr>
<td>17</td>
<td>C18, 19</td>
<td>E-586-121</td>
<td>Cap., 27 PF, ± 20% I K</td>
</tr>
<tr>
<td>18</td>
<td>Y1</td>
<td>E-74-6</td>
<td>Crystal, 3.579546 MHz</td>
</tr>
<tr>
<td>19</td>
<td>J2</td>
<td>E-736-2</td>
<td>Connector, Wafer, 2 Pin KK156</td>
</tr>
<tr>
<td>20</td>
<td>J1</td>
<td>E-736-15</td>
<td>Connector, Wafer, 15 Pin KK156</td>
</tr>
<tr>
<td>21</td>
<td>R9</td>
<td>E-105-196</td>
<td>Resistor, 1 Ohm, 1/4 W, 5%</td>
</tr>
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<td>R8</td>
<td>E-105-230</td>
<td>Resistor, 2.2 Ohm, 1/4 W, 5%</td>
</tr>
<tr>
<td>23</td>
<td>R7</td>
<td>E-105-211</td>
<td>Resistor, 220 Ohm, 1/4 W, 5%</td>
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<td>R2, R26, R29</td>
<td>E-105-300</td>
<td>Resistor, 1 K, 1/4 W, 5%</td>
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<td>R21, 22, 23, 24</td>
<td>E-105-238</td>
<td>Resistor, 3.3 K Ohm, 1/4 W, 2%</td>
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<td>R6</td>
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<td>27</td>
<td>R3, 14, 15, 16</td>
<td>E-105-185</td>
<td>Resistor, 10 K, 1/4 W, 5%</td>
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<td>R2</td>
<td>E-105-245</td>
<td>Resistor, 30 K, 1/4 W, 5%</td>
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<td>R10</td>
<td>E-105-262</td>
<td>Resistor, 180 K, 1/4 W, 5%</td>
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<td>R4</td>
<td>E-105-225</td>
<td>Resistor, 200 K, 1/4 W, 5%</td>
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<td>R5, 20</td>
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<td>Resistor, 1M, 1/4 W, 5%</td>
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<td>RT1, RT2</td>
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<td>Potentiometer 1K</td>
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<tr>
<td>33</td>
<td>C23, C27</td>
<td>E-586-122</td>
<td>Cap., .001 MF ± 20% 25F</td>
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<td>E-586-123</td>
<td>Cap., 4700 MF 25V</td>
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<td>35</td>
<td>C7</td>
<td>E-586-124</td>
<td>Cap., 470 MF 6 V</td>
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<td>C5, 13, 25</td>
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<td>Cap., 1 MF 50 V</td>
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<td>C9, 1, 14, 6</td>
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<td>Cap., .01 MF</td>
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<td>C4, 17, 21, 20, 24</td>
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<td>XU10, XU4</td>
<td>E-712</td>
<td>Socket, 40 Pin</td>
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<td>41</td>
<td>XU1, XU2, XU3</td>
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<td>Bolt, 6 x 32 x 3/8</td>
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<td>42</td>
<td>Used with 45</td>
<td>LSPR-00532-1106</td>
<td>Nut, 6 x 32</td>
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<td>43</td>
<td>Used with 42</td>
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<td>H.S. for U9</td>
<td>E-684-8</td>
<td>Ty-Rap</td>
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<td>45</td>
<td>Used with C15</td>
<td>E-647-5</td>
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<td>46</td>
<td>TP1, 2, 3, 4, 5, 6</td>
<td>P-5399</td>
<td>Thermal Grease</td>
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<td>47</td>
<td>Use with 44.9</td>
<td>M-1034</td>
<td>Resistor 2.7 K, 1/4 W</td>
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<td>48</td>
<td>R29</td>
<td>E-105-151</td>
<td>Connector</td>
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<td>49</td>
<td>J3</td>
<td>E-803-40</td>
<td>Connecter</td>
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WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME
### COMPONENTS PARTS LIST

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<th>ITEM</th>
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<td>P-2948-421</td>
<td>P.C.B. Vocalizer M-646-536</td>
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<td>2</td>
<td>Q1</td>
<td>E-620-140</td>
<td>Voltage Regulator LM7805</td>
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<td>H5, FOR Q1</td>
<td>E-682-14</td>
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<td>USE FOR 2 &amp; 3</td>
<td>LSPR-632-1106</td>
<td>Screw 6-32 x 3/8</td>
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<td>N-632-2112</td>
<td>Nut 6-32</td>
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<td>6</td>
<td>USE WITH 2</td>
<td>M-1834</td>
<td>Heat Sink Compound</td>
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<td>J1</td>
<td>E-810-40</td>
<td>Connector Right Angle Header</td>
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<td>8</td>
<td>FOR U1–U8</td>
<td>E-712</td>
<td>24 Pin P.C. Socket</td>
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<td>U13</td>
<td>E-620-141</td>
<td>74LS20 8 Input NAND</td>
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<td>10</td>
<td>U9</td>
<td>E-720-44</td>
<td>32 x 8 Prom</td>
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<td>U10</td>
<td>E-620-138</td>
<td>MC3417 Delta Demod</td>
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<td>U11</td>
<td>E-620-137</td>
<td>LM3403 Op Amp</td>
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<td>U12</td>
<td>E-620-139</td>
<td>74LS00 Hex Inverter</td>
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<td>C1-9, C23-24</td>
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<td>.01 UF Ceramic Capacitor 25 V.</td>
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<td>E-587-15</td>
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<td>E-105-185</td>
<td>10 K. Resistor ½ W 5%</td>
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<td>56 K. Resistor ½ W 5%</td>
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<td>R3-6</td>
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<td>R11</td>
<td>E-105-230</td>
<td>3.3 K. Resistor ¼ W 5%</td>
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<td>E-105-335</td>
<td>5.1 M Resistor ½ W 5%</td>
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<td>R13</td>
<td>E-105-242</td>
<td>20 K. Resistor ½ W 5%</td>
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<td>R14</td>
<td>E-105-242</td>
<td>100 K. Resistor ¼ W 5%</td>
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<td>R16</td>
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<td>TP1-6</td>
<td>P-5839</td>
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Rubber Parts

Dimensions are inside diameters, numbers in parentheses indicate quantity used, if in excess of one.

A. R-521-1 1" Dia. (2)
B. R-521-2 1 1/4" Dia. (5)
C. R-521-3 2" Dia. (6)
D. R-521-4 11/4" Dia. (2)
E. R-466-3 Flipper (2)
F. R-243 1/4" Dia. (10)

Panel Top Parts

1. Arch Rail .................................. M-1774
2. Rail Post (2) ................................ C-907
3. Rail Post Cap (2) .......................... C-908
4. Bottom Arch ................................ P-5871-75
5. Shooter Gauge .............................. P-6395-41
6. Ball Gate (L) ................................. A-1475-12
7. Ball Gate (R) ................................. A-1475-13
8. Screeded Plastics (set) .................... M-1330-171
9. Thumper Caps (3) ......................... A-3713-02
10. R.O. Wire & Bracket (2) ................. A-2806-1
11. Guide Rail (3) ............................. C-935-5
15. Target Assy. (Red) ....................... A-2911-13
17. Guide Wire ................................ M-121-102
18. Guide Wire ................................ M-121-103
19. Guide Wire ................................ M-121-147
21. Guide Wire ................................ M-121-144
22. Guide Wire ................................ M-121-143
24. Buffer Wire (2) ............................ M-121-53
25. Ball Guide Assy. ......................... A-3032-44
26. Spinner Gate Assy. (L) ................. A-2250-66
27. Spinner Gate Assy. (R) ................. A-2250-66
28. Protective Angle ......................... F-7639
29. Thumper Body (3) ....................... A-3022-4
30. Ball Gate & Wire Assy. ............... A-2250-24
31. Flipper & Shaft Assy. (2) ......... A-2211-21
32. R.O. Wire & Bracket (4) .......... A-22806
33. Outhole Wire & Bracket .............. ASE-2806-21
34. Outhole Kicker ......................... ASE-2604-3
35. Panel .................................... CA-1125-179
36. Playfield Mylar Overlay ............. M-1787-22

When ordering part, specify part no. and name of game.
Mystic

Switch Assembly Identification Numbers

1. Top Right Roller  ASW-A-206
2. Top Left Roller  ASW-A-206
3. Right Spinner  ASW-A-151
4. Left Spinner  ASW-A-151
5. Tilt  ASW-A-145
6. Outhole  ASW-A-143
7. #3 Rt. Drop Target (Bot..)  ASW-A-168
8. #2 Lt. Drop Target  ASW-A-168
9. #1 Lt. Drop Target (Top)  ASW-A-168
11. Mystic Lane Target  ASW-A-168
12. #3 Center Drop Target (Rt.)  ASW-A-168
13. #2 Center Drop Target  ASW-A-168
14. #1 Center Drop Target (Left)  ASW-A-168
15. Right Outline  ASW-A-155
16. Left Outline  ASW-A-155
17. Flip/Feed Lane (Rt.)  ASW-A-155
18. Flip/Feed Lane (Lt.)  ASW-A-155

Solenoid and Coil Identification Numbers

1. Left Slingshot  AO-26-1200
2. Right Slingshot  AO-26-1200
3. Knocker  AR-26-1200
4. Outhole Kicker  AN-26-1200
5. Sauer  AO-27-1300
6. Left Thumper Bumper  AN-26-1200
7. Right Thumper Bumper  AN-26-1200
8. Bottom Thumper Bumper  AN-26-1200
9. Left Drop Target  AN-26-1200
10. Right Drop Target  AN-26-1200
11. Center Drop Target  AN-26-1200
12. Coin Lockout Door  AO-ZS-500/34-4500
13. Flipper (2)  AO-ZS-500/34-4500

Assembly Identification Numbers

Panel Bottom Parts

1. Left Slingshot  ASE-2593-6
2. Right Slingshot  ASE-2593-6
3. Sauer  ASE-428-41
4. Left Thumper Bumper  ASE-1567-13
5. Right Thumper Bumper  ASE-1567-13
6. Bottom Thumper Bumper  ASE-1567-13
7. Left Drop Target  ASE-1567-13
8. Right Drop Target  ASE-1567-13
9. Center Drop Target  ASE-1567-13
10. Left Flipper  ASE-1567-13
11. Right Flipper  ASE-1567-13

When ordering parts, specify part no. and name of game.

When ordering parts, specify part no. and name of game.
## Rubber Parts

Dimensions are inside diameters, numbers in parentheses indicate quantity used, if in excess of one.

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<thead>
<tr>
<th>Part</th>
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<th>Quantity</th>
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<tbody>
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<td>A R-501</td>
<td>1/8&quot; Dia.</td>
<td>(6)</td>
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<tr>
<td>B R-521-1</td>
<td>1&quot; Dia.</td>
<td>(5)</td>
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<tr>
<td>C R-521-2</td>
<td>1 1/2&quot; Dia.</td>
<td>(3)</td>
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<td>D R-521-4</td>
<td>2 1/2&quot; Dia.</td>
<td>(3)</td>
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<td>E R-521-6</td>
<td>3&quot; Dia.</td>
<td>(7)</td>
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<td>F R-406</td>
<td>Flipper</td>
<td>(3)</td>
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<tr>
<td>G R-243</td>
<td>5/16&quot; Dia.</td>
<td>(11)</td>
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<td>H R-206-11</td>
<td>Mini Rubber</td>
<td>(7)</td>
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## Panel Top Parts

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<td>2.</td>
<td>Bottom Arch</td>
<td>P-6871-76</td>
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<td>Shooter Gauge</td>
<td>P-6947-42</td>
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<td>Ball Gate (R)</td>
<td>A-1475-14</td>
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<td>Clear Plastics (set)</td>
<td>A-2890-146</td>
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<td>Thumper Cap (3)</td>
<td>A-3713-65</td>
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<td>Thumper Cap</td>
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<td>Gate &amp; Wire Assy.</td>
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<td>Protective Angle</td>
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<td>Outhole Wire &amp; Bracket</td>
<td>A-2906-21</td>
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<td>Spinning &amp; Gate Assy.</td>
<td>A-2250-75</td>
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<td>R.O. Wire Assy. (9)</td>
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<td>R.O. Wire Assy.</td>
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<td>Target Assy. (white) (2)</td>
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<td>Target Assy. (red) (3)</td>
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<td>Flipper &amp; Shaft</td>
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<td>Playfield Mylar Overlay</td>
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**When ordering part, specify part no. and name of game**
RUBBER PARTS

Dimensions are inside diameters, numbers in parentheses indicate quantity used, if in excess of one.

A. R 521-1 1" Dia. (5)
B. R 521-2 1½" Dia. (6)
C. R 521-3 2" Dia. (3)
D. R 521-5 3" Dia. (10)
E. R 243 5/16" Dia. (13)
F. R 406-3 Flipper (2)

PANEL TOP PARTS

1. Arch Rail .................. M-1724-4
2. Rail Post (2) ............... C-907
3. Rail Post Cap (2) .......... C-908
4. Bottom Arch ................. P-6871-77
5. Shooter Gauge .............. P-6559-43
6. Ball Gate (L) ............... A-1475-12
7. Ball Gate (R) ............... A-1475-13
8. Plastic (Set) ............... A-2890-145
9. Protective Angle ............ P-7639
10. Plastic Guide (Red) (4) ... C-836-1
11. Plastic Guide (Red) (2) ... C-936-1
12. Thumper Cap (4) .......... A-3713-63
14. R.O. Wire Assy. (2) ....... A-2806-26
15. Thumper Body (4) .......... A-2220-4
17. Ball Guide Wire .......... M-121-25
18. Spinner & Gate Assy ... A-2220-5
19. Target Assy. (Red) (2) ... A-2211-3
20. Outhole Wire & Brkt . A-2806-21
22. Guide Rail Assy ........... A-3032-47
23. Guide Rail Assy ........... A-3032-45
24. Plastic Guide (Red) (2) ... C-937-1
25. Ball Gate & Wire (2) .... A-2250-67
26. Flipper & Shaft (2) ....... A-2214-21
27. Buffer Wire (2) .......... M-121-13
29. Outhole Kicker ........... A-2694-3
30. Mini Post & Rubber ....... A-2836-1
31. Mini Post (6) ............. S-2156-1
32. Panel ....................... CA-1426-181
33. Playfield Mylar Overlay . M-1787-24

WHEN ORDERING PARTS, SPECIFY PART NO. AND NAME OF GAME
BACKGLASS
G440-12

RUBBER PARTS
Dimensions are inside diameters. Numbers in parentheses indicate quantity used, if in excess of one.

A. R-521 3" Dia. (3)
B. R-521 2 1/8" Dia. (4)
C. R-521 1 1" Dia. (4)
D. R-521 4 29/32" Dia. (3)
E. R-521 5 3" Dia. (2)
F. R-521 5/8" Dia. (1)
G. R-406-3 Flipper (3)
H. R-243 5/16" Dia. (12)
J. R-206-11 Minipost (2)

PANEL TOP PARTS

1. Bottom Arch P-5871-78
2. Shooter Gauge P-6359-44
3. Ball Gate A-1475-13
4. Screened Plastics A-2990-147
5. Guide Rail (Red) (3) C-935-1
6. Guide Rail (Red) (2) C-936-1
8. Spinner & Gate Assy. A-2250-30
9. Thumper Cap A-3713-52
10. Ball Guide Wire M-121-106
11. Ball Guide Rail A-3022-53
12. Protective Angle P-7639
15. Ball Guide Wire (2) M-121-46
16. Ball Guide Rail A-3022-54
17. Rollover Button (2) C-900
18. Thumper Body (3) A-2222-4
20. Ball Guide Rail A-3022-55
22. Flipper & Shaft Assy. A-2214-28
23. Ball Guide Wire (2) M-121-56
24. Flipper & Shaft Assy. (3) A-2214-21
25. Ball Guide Rail A-3022-52
26. Gate & Wire Assy. A-2250-60
27. Gate & Wire Assy. A-2250-77
28. Ball Guide Rail A-3022-56
29. Ball Guide Wire M-121-45
30. Buffer Wire (2) M-121-53
31. Outronth Kicker A-2906-3
32. Pinball CA-1195-193
33. Playfield Mylar Overlay M-1767-26

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME
### RUBBER PARTS

Dimensions are inside diameters. Numbers in parentheses indicate quantity used, if in excess of one.

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<td>C. R 521-2</td>
<td>3/4&quot; Dia.</td>
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<tr>
<td>D. R 521-3</td>
<td>2&quot; Dia.</td>
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<tr>
<td>E. R 521-3</td>
<td>3&quot; Dia.</td>
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<td>F. R.406-3</td>
<td>Flipper</td>
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<td>G. R 243</td>
<td>3 1/16&quot; Dia.</td>
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### PANEL TOP PARTS

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<td>M-1774</td>
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<td>2. Rail Post (2)</td>
<td>C-503</td>
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<td>3. Rail Post Cap (2)</td>
<td>C-508</td>
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<td>4. Bottom Arch</td>
<td>P-5871-80</td>
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<tr>
<td>5. Shooter Gauge</td>
<td>P-6358-45</td>
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<tr>
<td>6. Ball Gate (L)</td>
<td>A-1475-12</td>
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<tr>
<td>7. Ball Gate (R)</td>
<td>A-1475-13</td>
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<tr>
<td>8. Screened Plastics (Set)</td>
<td>A-2890-148</td>
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<td>11. Protective Angle</td>
<td>P-7639</td>
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<tr>
<td>12. R.O. Wire &amp; Brkt. (7)</td>
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<td>13. Thumper Cap (3)</td>
<td>A-3716-67</td>
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<td>14. Rollover Button</td>
<td>C-900</td>
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<td>15. Thumper Body (3)</td>
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<td>16. Ball Gate &amp; Wire</td>
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<td>17. Spinner &amp; Gate Assy</td>
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<td>18. Target Assy. (Red) (3)</td>
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<td>19. Outsole Wire &amp; Bracket</td>
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<tr>
<td>20. Outsole Kicker</td>
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<td>21. Minipost Assy. (4)</td>
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<td>22. Panel</td>
<td>CA-1128-182</td>
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<td>23. Ball Guide Wire</td>
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<td>24. Ball Guide Wire (3)</td>
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<td>25. Ball Guide Wire (2)</td>
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<td>30. Buffer Wire</td>
<td>M-121-53</td>
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<td>31. Flipper &amp; Shaft Assy. (2)</td>
<td>A-2214-21</td>
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<tr>
<td>32. Playfield Mylar Overlay</td>
<td>M-1782-27</td>
</tr>
<tr>
<td>33. Shooter Lane Hood</td>
<td>P-1732</td>
</tr>
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</table>
RUBBER PARTS

Dimensions are inside diameters. Numbers in parentheses indicate quantity used, if in excess of one.

A. R-521-2  1 1/4" Dia.  (1)
B. R-521-1  1" Dia.  (5)
C. R-521-5  3" Dia.  (3)
D. R-521-4  5/8" Dia.  (3)
E. R-521-4  7/8" Dia.  (3)
F. R-521-3  2" Dia.  (1)
G. R-533-3  Flipper  (2)

PANEL TOP PARTS

1. Bottom Arch  P-5871-82
2. Shooter Gauge  P-6359-47
3. Panel Plastics  M-1330-180
4. Panel Plastics  A-2980-149
5. Thumper Bumper Cap (5)  A-3713-68
6. Roller Button (7)  C-909
7. Target Assy. (Yellow)  ASE-2911-21
8. Thumper Assy.  A-1332-64
11. Thumper Body (3)  ASE-2222-4
12. Flipper & Shaft Assy.  ASE-2214-29
13. Spinner & Gate Assy.  ASE-2250-83
14. Spinner & Gate Assy.  ASE-2250-84
15. Outhole Wire & Bracket  ASE-2890-21
16. Target Assy. Red.  ASE-2911-3
17. Outhole Kicker  ASE-2694-3
18. Panel  CA-1128-184
19. Outhole Wire Assy. (2)  ASE-2890-1
20. Ball Guide Wire (2)  M-121-59
22. Flipper & Shaft Assy. (2)  ASE-2214-21
23. Buffer Wire (2)  M-121-53
25. Outhole Wire Assy. (2)  ASE-2890
26. Outhole Wire Assy.  ASE-2890-31
27. Ball Ramp (L)  P-8155-1
28. Ball Ramp (R)  P-8155-2
29. Ball Ramp (R)  P-8155-3
30. Ball Ramp (L)  P-8155-4
31. Target Assy. (Red) (2)  ASE-2911-31
32. Minipost & Rubber  ASE-2836-1
33. Playfield Mylar Overlay  M-1787-29

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME
### Country | Coin Value | Required Parts | Part Numbers
--- | --- | --- | ---
**AUSTRALIA**
2x20 Cent (1 play) | Coin Rejectors M1400-44
Coin Window C826-127
Coin Entries P7601-12
Coin Rundown A3716-1
Coin Wire M1504
Coin Guide P6694-1

**DENMARK**
1 Krone (1 play) | Coin Window C826-72
Coin Entries P7601-9
Coin Rundown A3716-1
Coin Wire M1504
Coin Spacer P6631-1
Coin Guide P6694

**AUSTRIA**
10 Shilling (6 plays) | Coin Rejectors M1400-141
Coin Window C826-86
Coin Entries P7601-1
Coin Rundown A3716-1
Coin Wire M1504
Coin Spacer P6631-6
Coin Guide P6694

**ENGLAND**
50 N.P. (5 plays) | Coin Window C826-133
Coin Entries P7601-13
Coin Rundown A3716-5
Coin Wire M1504-2
Coin Guide P6694-1

**BELGIUM**
5 Franc (1 play) | Coin Rejectors M1400-10
Coin Wire P6631-1
Coin Rundown A3716-1
Coin Guide P6694

**FRANCE**
1 Franc (1 Partie) | Coin Rejectors M1400-84
Coin Window C826-104
Coin Entries P7601-1
Coin Rundown A3716-1
Coin Wire M1504
Coin Spacer P6631-3
Coin Guide P6694

### Country | Coin Value | Required Parts | Part Numbers
--- | --- | --- | ---
**FRANCE** (Continued)
5 Franc (6 parties) | Coin Rejectors M1400-148
Coin Window C826-116
Coin Rundown A3716-1
Coin Wire M1504-2
Coin Guide P6694-1

**HOLLAND** (Continued)
Extra Windows: 2x25 cents Neth. (1 play) | Coin Rejectors M1400-78
Coin Website C826-14
Coin Entries P7601-1
Coin Rundown A3716-1
Coin Wire M1504-1
Coin Guide P6631-1

Extra Windows: 1x1 Franc (1 partie) | Coin Window C826-130
Coin Guide P6694

Extra Windows: 5 Franc (4 parties) | Coin Window C826-131
Coin Entries P7601-9
Coin Rundown A3716-1
Coin Wire M1504-2
Coin Guide P6694

**GERMANY**
5 Franc (3 parties) | Coin Rejectors M1400-107
Coin Window C826-116
Coin Entries P7601-9
Coin Rundown A3716-1
Coin Wire M1504-2
Coin Guide P6694-1

**IRELAND**
5 N.P. (12x5 N.P. - 1 play) | Coin Rejectors M1400-148
Coin Window C826-116
Coin Rundown A3716-1
Coin Wire M1504-2
Coin Guide P6694-1

**ITALY**
100 Lire (1 partita) | Coin Rejectors M1400-66
Coin Website C826-108
Coin Entries P7601-7
Coin Rundown A3716-1
Coin Wire M1504-1

**JAPAN**
100/200 Yen (1 play/ 3 play) | Coin Rejectors M1400-106
Coin Website C826-33
Coin Entry P7601-1
Coin Rundown A3716-1
Coin Wire M1504-1
Coin Guide P6694-1

**SWEDEN**
5 Kroner (6 plays) | Coin Window C826-117
Coin Entry P7601-18
Coin Rundown A3716-7
Coin Wire M1504-4

**SWITZERLAND**
25d Neth. (1 play) | Coin Rejectors M1400-78
Coin Window C826-11
Coin Entries P7601-1
Coin Rundown A3716-1
Coin Wire M1504-1
Coin Guide P6631-1

**UNITED KINGDOM**
5 N.P. (6 plays) | Coin Rejectors M1400-107
Coin Window C826-116
Coin Entries P7601-9
Coin Rundown A3716-1
Coin Wire M1504-2
Coin Guide P6694-1

**UNITED STATES**
10 N.P. (1 play) | Coin Rejectors M1400-80
Coin Website C826-99
Coin Entries P7601-12
Coin Rundown A3716-1
Coin Wire M1504-2
Coin Guide P6694-1

**SWEDEN**
5 D.M. (14 plays) | Coin Rejectors M1400-176
Coin Window C826-98
Coin Entries P7601-12
Coin Rundown A3716-1
Coin Wire M1504-3
Coin Guide P6694-1

**ITALY**
Extra Window: 2x200 Lire (1 partita) | Coin Rejectors M1400-106
Coin Website C826-33
Coin Entry P7601-1
Coin Rundown A3716-1
Coin Wire M1504-1
Coin Guide P6694-1

**UNITED STATES**
Extra Window: 2x200 Lire (1 partita) | Coin Rejectors M1400-106
Coin Website C826-33
Coin Entry P7601-1
Coin Rundown A3716-1
Coin Wire M1504-1
Coin Guide P6694-1

**UNITED STATES**
Extra Window: 2x200 Lire (1 partita) | Coin Rejectors M1400-106
Coin Website C826-33
Coin Entry P7601-1
Coin Rundown A3716-1
Coin Wire M1504-1
Coin Guide P6694-1

### WHEN ORDERING PART SPECIFY PART NO. AND NAME OF GAME

**AUSTRALIA**
2x20 Cent (1 play) | Coin Rejectors M1400-44
Coin Window C826-127
Coin Entries P7601-12
Coin Rundown A3716-1
Coin Wire M1504
Coin Guide P6694-1

**DENMARK**
1 Krone (1 play) | Coin Window C826-72
Coin Entries P7601-9
Coin Rundown A3716-1
Coin Wire M1504
Coin Guide P6694

**AUSTRIA**
10 Shilling (6 plays) | Coin Rejectors M1400-141
Coin Window C826-86
Coin Entries P7601-1
Coin Rundown A3716-1
Coin Wire M1504
Coin Spacer P6631-6
Coin Guide P6694

**ENGLAND**
50 N.P. (5 plays) | Coin Window C826-133
Coin Entries P7601-13
Coin Rundown A3716-5
Coin Wire M1504-2
Coin Guide P6694-1

**BELGIUM**
5 Franc (1 play) | Coin Rejectors M1400-10
Coin Window C826-89
Coin Entries P7601-1
Coin Rundown A3716-1
Coin Wire M1504
Coin Guide P6694

**FRANCE**
1 Franc (1 Partie) | Coin Rejectors M1400-84
Coin Window C826-104
Coin Entries P7601-1
Coin Rundown A3716-1
Coin Wire M1504
Coin Spacer P6631-3
Coin Guide P6694
**Coin Handling**

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<thead>
<tr>
<th>Country</th>
<th>Coin Value</th>
<th>Required Parts</th>
<th>Part Numbers</th>
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</thead>
<tbody>
<tr>
<td>JAPAN (Continued)</td>
<td>100 Yen (1 play/3 plays)</td>
<td>Coin Window</td>
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<td>Coin Guide</td>
<td>P6694</td>
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<td><strong>Extra Windows:</strong></td>
<td>100 Yen (1 play)</td>
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<td>2 x 100 Yen (1 play)</td>
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<td>C826-154</td>
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<td><strong>NORWAY</strong></td>
<td>1 Krone (1 play)</td>
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<td>Coin Entries</td>
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<td><strong>Extra Windows:</strong></td>
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**Cabinet Parts**

[Diagram of cabinet parts with labels and part numbers]
## FEMALE PLUG CHART

**MPU BOARD**

<table>
<thead>
<tr>
<th>PLUG NO.</th>
<th>PINS</th>
<th>MOLEX CONN.</th>
<th>AMP CONN.*</th>
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<tbody>
<tr>
<td>J1</td>
<td>28</td>
<td>E-764-28</td>
<td>E-737-28</td>
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<tr>
<td>J2</td>
<td>15</td>
<td>E-764-15</td>
<td>E-737-15</td>
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<td>J3</td>
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**LAMP DRIVER**

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<th>AMP CONN.*</th>
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<tr>
<td>J1</td>
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<td>E-737-28</td>
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<tr>
<td>J2</td>
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<td>J4</td>
<td>17</td>
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**SOUND BOARD**

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* Amp Connectors come complete with pins.

**MOLEX REPLACEMENT PINS**

- **SMALL** — For use with E-764 Conn, E-633-4
- **LARGE** — For use with E-734 Conn, E-633-1

## SOLNOID DRIVER

<table>
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<td>E-761-15</td>
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<td>E-737-25</td>
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<td>J5</td>
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<td>E-734-15</td>
<td>E-761-15</td>
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## RECTIFIER BOARD

**RECTIFIER BOARD for FLASH GORDON & XENON**

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**AMP Replacement Pins for new Rectifier Board E-807**

## DISPLAY DRIVER

<table>
<thead>
<tr>
<th>PLUG NO.</th>
<th>PINS</th>
<th>MOLEX CONN.</th>
<th>AMP CONN.*</th>
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<tbody>
<tr>
<td>J1</td>
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<td>E-734-20</td>
<td>E-762-20</td>
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</tbody>
</table>

## AMP CONNECTOR COVERS

- **SMALL** — E-775-XX
- **LARGE** — E-738 XX Feed Through
- **LARGE** — E-749 XX Dead End

**XX** — Suffix refers to number of pins.

## AMP REPLACEMENT PINS

- **SMALL** — For use with E-737 Conn, E-739
- **LARGE** — For use with E-761 or E-762 Conn, E-763-1 18 ga., E-763-2 22 ga.
- **LARGE** — For use with E-761 or E-762 Conn, E-760-1 18 ga., E-760-2 22 ga.

**NOTE:** E-760 requires a crimping tool.

E-763 requires insertion tool K-554
CABINET PARTS

DISPLAY TRAY ASSEMBLY
A-3843

STRAP
P-1973-342

BOTTOM GLASS RETAINER
3/16" – P-6242-71
1/8" – P-6242-107

GLASS CHANNEL SIDE
3/16" – M-1624-5
1/8" – M-1889-1

GLASS CHANNEL TOP
3/16" – M-1624-4
1/8" – M-1889-2

FRONT VENT
P-2754-3

HINGE ASSEMBLY-INSERT
A-254-144

4" SPEAKER
3W 8 OHM
E-261-7

SPEAKER GRILL
P-7911

SCREW
(Used for Speaker Screw & Thumper Bumper)
M-1786

FLIPPER BUTTON MOUNTING PLATE
P-1566

FLIPPER BUTTON HOUSING
C-904

FLIPPER BUTTON
C-905

LEG BOLT ARMOR
P-3914

END PLATE
ON/OFF SWITCH
P-2289-1

KEY HOOK
M-389-1

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME
CABINET PARTS

CASH BOX COVER A-3014-5

BRACKET – CASH BOX P-3045-9

COIN TRAY M-1579

COIN TRAY M-1579-1

COIN TRAY M-1579-2

CASH BOX A-2790-51

KNOD & ROD A-100-15

COMPRESSION SPRING SP-247

SHOOTER GUIDE COVER WELD ASSEMBLY A-3630

BALL SHOOTER PLATE P-5291

PLUMB BOB E-138-3

GLASS LOCK ASSEMBLY A-3868

LEG ADJUSTER M-163-28

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME
CABINET PARTS

PLAYFIELD GLASS TRIM
REGULAR – P-2722
SUPERSIZE – P-2722-1

FRONT MOULDING ASSEMBLY
STANDARD – AS-2791
SUPERSIZE – AS-2791-1

LEFT SIDE MOLDING
P-921-77

RIGHT SIDE MOLDING
P-921-76

STAY – PLAYBOARD
P-1488

SUPERSIZE BACK
PLAYFIELD LOCK CHANNEL
P-666-1

RUBBER PIN STOP
R-231-7

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

DOOR TRIM – RIGHT SIDE
P-5940-31

DOOR TRIM – LEFT SIDE
P-5940-29

DOOR TRIM – TOP and BOTTOM
P-5940-30

BACK PLAYFIELD LOCK CHANNEL
P-566

RUBBER PIN STOP
R-231-7

FRONT RAIL LATCH
P-6365-3

FRONT RAIL BRACKET
P-6364-6

FRONT RAIL LOCK ASSEMBLY
ASE-2313-7

WASHERS
P-821-514
(Not Shown)
4 Req.

BUSHING
S-231-672
(Not Shown)
3 Req.

SPRING WASHER
P-1158-5

WASHER
P-811-107

BUSHING
S-231-695
(Not Shown)
1 Req.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME
ASSEMBLY PARTS

SINGLE DROP TARGET ASSEMBLY WITH MEMORY
ASE 2993

END PLATE
P 1309-1

CORE PLUG
A 613-116

SPRING WASHER
P 1158-6

COIL
A 613-116

COIL BRACKET
P 108-72

COMPRESS SPRING
SP 200-189

KLIP RING (7 REQUIRED)
P 5829-2

STUD
S 729-67

LINK
P 1873-453

LINK (2 REQUIRED)
P 1973-444

LINK PIN (2 REQUIRED)
S 739-229

BOTTOM PLATE (ADJUSTABLE)
P 7242-1

TARGET
A 3944 xx

LATCH PLATE
P 1370-20

COIL MOUNTING BRACKET
P 6665-683

PLUNGER
A 3714-5

BRACKET
P 108-53

COIL
CE 31-2000

CORE PLUG
A 613-115

SPRING
SP 200-206

EXTENSION SPRING
SP 100-350

SIDE PLATE
P 1445-29

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

DROP TARGET ASSEMBLY
ASE 2795-

REBOUND SWITCH
ASW A10-51

Note: A 3944 - Refer to Page 73 replaces A 3773 Series

DROP TARGET
A 3964-

LATCH PLATE
P 1370-

END PLATE
P 1369-5

CORE PLUG & BRACKET
A 613-99

COIL
(Refer to Panel for Game)

COIL BRACKET
P 2236-20

PLUNGER
S 496-216

LINK PIN
S 739-229

LINK
P 1973-444

SHAFT
S 739-

RESET LINK
P 1973-418

BOTTOM PLATE FRAME
P 1501-

RESET BAR
P 7944-

DROP TARGET SWITCHES
ASW A1 168

□ See Panel Chart for Game for correct dash number and quantity required.

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME
SWITCH PARTS

ROLLOVER BUTTON SWITCH
DIODE E-587-15
ASW-A1-162

DIODE E-587-15
ASW-A1-189

ROLLOVER WIRE SWITCH
DIODE E-587-15
ASW-A1-152

DIODE E-587-15
ASW-A1-155

SAUCER HOLE SWITCH
ASW-A1-154

DIODE E-587-15
ASW-A1-187

DIODE E-587-15
ASW-A1-166

SLAM SWITCH (Cabinet)
DIODE E-587-15

ASW-A2-32

SLAM SWITCH (Door)
DIODE E-587-15

ASW-A2-73

SPINNER SWITCH
DIODE E-587-15

ASW-A1-151

TARGET SWITCH (Round)
RED A-3359-16
WHITE A-3359-19
YELLOW A-3359-20

DIODE E-587-14
ASW-A110-5

THUMPER BUMPER SWITCH

DIODE E-587-14
ASW-A113

TILT SWITCH (Panel)

DIODE E-587-14
ASW-A115

TARGET SWITCH (Wide)
RED A-3359-18

DIODE E-587-14
ASW-A1145

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME

WHEN ORDERING PART, SPECIFY PART NO. AND NAME OF GAME
<table>
<thead>
<tr>
<th>KIT NO.</th>
<th>NAME OF KIT</th>
<th>GAME USED ON</th>
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<tbody>
<tr>
<td>K-485-1</td>
<td>Aid Kit</td>
<td>35 MPU module</td>
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<tr>
<td>K-486</td>
<td>Diode and Lug Kit</td>
<td>No. 1066-E</td>
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<tr>
<td>K-490</td>
<td>Spare Parts Kit — Trans. Rectifier Board</td>
<td>All Games</td>
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<tr>
<td>K-490-1</td>
<td>Rectifier PCB Spares Kit</td>
<td>All Games</td>
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<tr>
<td>K-492</td>
<td>Spare Parts Kit — Solenoid Driver — Power Supply</td>
<td>All Games</td>
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<tr>
<td>K-493</td>
<td>Spare Parts Kit — Display Driver</td>
<td>All Games</td>
</tr>
<tr>
<td>K-494</td>
<td>Spare Parts Kit — Lamp Driver</td>
<td>All Games</td>
</tr>
<tr>
<td>K-495</td>
<td>New Kicker Arm Assembly Instructions All Novelties</td>
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<tr>
<td>K-503</td>
<td>Spare Parts Kit — MPU — Less memory</td>
<td>(All Games)</td>
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<tr>
<td>K-507-1</td>
<td>Transformer Kit Japan Only</td>
<td>All Games</td>
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<tr>
<td>K-509</td>
<td>Transformer Mounting Bracket Kit</td>
<td>All Games</td>
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<tr>
<td>K-518</td>
<td>Sound PCB Spares Kit (Less Memory)</td>
<td>All Games</td>
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<tr>
<td>K-523</td>
<td>Label Connector &amp; Wire Kit</td>
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<tr>
<td></td>
<td>(For use in modifying AS-2518-17)</td>
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<tr>
<td>K-525</td>
<td>Parts Kit</td>
<td>Electronic Chimes Conversion</td>
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<tr>
<td>K-526</td>
<td>Parts Kit</td>
<td>Electronic Novelties</td>
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<tr>
<td></td>
<td></td>
<td>Automatic Ballshooter</td>
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<tr>
<td>K-529</td>
<td>Mechanical Coin Counter</td>
<td>All Games</td>
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<tr>
<td>K-547</td>
<td>Susan B. Anthony Dollar Coin Conversion Kit</td>
<td>All Games</td>
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<tr>
<td>K-548</td>
<td>Field Service Kit</td>
<td>All Electronic Pinballs</td>
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<tr>
<td>K-549</td>
<td>Velostat Anti-Static Disposable Bags (6 Each)</td>
<td>All Games</td>
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<tr>
<td>K-554</td>
<td>Insulation Displacement Connector Tool Kit</td>
<td>All Games</td>
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</tbody>
</table>

When ordering part, specify part no. and name of game.