Supplement to

The Adventures of

MAJOR HAVOC™

TM-267, 1st printing

Installation Instructions

This Supplement provides the assembly drawing, parts list, and schematic diagram for the Major Havoc Conversion printed-circuit board.

ATARI®

A Warner Communications Company
### Conversion PCB Assembly
#### Parts List

<table>
<thead>
<tr>
<th>Designator</th>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacitors</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C1</td>
<td>0.01 μF, 50 V, Ceramic-Disc Capacitor</td>
<td>122005-103</td>
</tr>
<tr>
<td>C2–C5</td>
<td>0.1 μF, 25 V, Ceramic-Disc Capacitor</td>
<td>122006-104</td>
</tr>
<tr>
<td>C7</td>
<td>39 pF, 100 V, Mica Capacitor</td>
<td>128002-390</td>
</tr>
<tr>
<td>C8</td>
<td>1 μF, 50 V, Aluminum Electrolytic Capacitor</td>
<td>24-500105</td>
</tr>
<tr>
<td>C9</td>
<td>2.2 μF, 35 V, Tantalum Capacitor</td>
<td>122000-225</td>
</tr>
<tr>
<td>C10</td>
<td>0.1 μF, 25 V, Ceramic-Disc Capacitor</td>
<td>122006-104</td>
</tr>
<tr>
<td>C11</td>
<td>2.2 μF, 35 V, Tantalum Capacitor</td>
<td>122000-225</td>
</tr>
<tr>
<td>C12</td>
<td>1 μF, 50 V, Aluminum Electrolytic Capacitor</td>
<td>24-500105</td>
</tr>
<tr>
<td>C13–C15</td>
<td>0.1 μF, 25 V, Ceramic-Disc Capacitor</td>
<td>122006-104</td>
</tr>
<tr>
<td><strong>Diodes</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CR3</td>
<td>Type-IN754A Diode</td>
<td>131002-001</td>
</tr>
<tr>
<td>CR4</td>
<td>Type-IN100 Diode</td>
<td>31-1N100</td>
</tr>
<tr>
<td>CR7</td>
<td>Type-IN100 Diode</td>
<td>31-1N100</td>
</tr>
<tr>
<td><strong>Integrated Circuits</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q1</td>
<td>Type-7915 Regulator Integrated Circuit</td>
<td>37-7915</td>
</tr>
<tr>
<td>Q2</td>
<td>Type-7815 Regulator Integrated Circuit</td>
<td>37-7815</td>
</tr>
<tr>
<td>U1</td>
<td>Type-TL084 Operational Amplifier Integrated Circuit</td>
<td>37-347</td>
</tr>
<tr>
<td>U2, U3</td>
<td>Type-MCI495LS Integrated Circuit</td>
<td>37-1495</td>
</tr>
<tr>
<td><strong>Resistors</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R1</td>
<td>100 Ω, ±5%, ¼ W Resistor</td>
<td>110000-101</td>
</tr>
<tr>
<td>R4</td>
<td>2.2 kΩ, ±5%, ¼ W Resistor</td>
<td>110000-222</td>
</tr>
<tr>
<td>R5</td>
<td>10 kΩ Potentiometer</td>
<td>119002-103</td>
</tr>
<tr>
<td>R6</td>
<td>2.2 kΩ, ±5%, ¼ W Resistor</td>
<td>110000-222</td>
</tr>
<tr>
<td>R7</td>
<td>5.6 kΩ, ±5%, ¼ W Resistor</td>
<td>110000-562</td>
</tr>
<tr>
<td>R8</td>
<td>680 Ω, ±5%, ¼ W Resistor</td>
<td>110000-681</td>
</tr>
<tr>
<td>R9</td>
<td>470 Ω, ±5%, ¼ W Resistor</td>
<td>110000-471</td>
</tr>
<tr>
<td>R10</td>
<td>3.9 kΩ, ±5%, ¼ W Resistor</td>
<td>110000-392</td>
</tr>
<tr>
<td>R13</td>
<td>10 kΩ, ±5%, ¼ W Resistor</td>
<td>110000-103</td>
</tr>
<tr>
<td>R14</td>
<td>5.6 kΩ, ±5%, ¼ W Resistor</td>
<td>110000-562</td>
</tr>
<tr>
<td>R15</td>
<td>3.9 kΩ, ±5%, ¼ W Resistor</td>
<td>110000-392</td>
</tr>
<tr>
<td>R16</td>
<td>2.2 kΩ, ±5%, ¼ W Resistor</td>
<td>110000-222</td>
</tr>
<tr>
<td>R17, R18</td>
<td>2.7 kΩ, ±5%, ¼ W Resistor</td>
<td>110000-272</td>
</tr>
<tr>
<td>R19</td>
<td>1 kΩ, ±5%, ¼ W Resistor</td>
<td>110000-102</td>
</tr>
<tr>
<td>R20</td>
<td>1.5 kΩ, ±5%, ¼ W Resistor</td>
<td>110000-152</td>
</tr>
<tr>
<td>R21</td>
<td>2.2 kΩ, ±5%, ¼ W Resistor</td>
<td>110000-222</td>
</tr>
<tr>
<td>R23</td>
<td>2 kΩ Potentiometer</td>
<td>119002-202</td>
</tr>
<tr>
<td>R24</td>
<td>VDR Resistor</td>
<td>110004-001</td>
</tr>
<tr>
<td>R25</td>
<td>10 kΩ Potentiometer</td>
<td>119002-103</td>
</tr>
<tr>
<td>R26–R29</td>
<td>470 Ω, ±5%, ¼ W Resistor</td>
<td>110000-471</td>
</tr>
<tr>
<td>R30, R31</td>
<td>150 Ω, ±5%, ¼ W Resistor</td>
<td>110000-151</td>
</tr>
<tr>
<td><strong>Miscellaneous</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>44-Pin Connector</td>
<td>179073-044</td>
<td></td>
</tr>
<tr>
<td>24-Pin Connector</td>
<td>179073-024</td>
<td></td>
</tr>
<tr>
<td>Nylon Snap-In Fastener</td>
<td>81-4502</td>
<td></td>
</tr>
</tbody>
</table>