Model 2046 Medium Duty, Single Lever Control Head

The control head 2046 was made for a marine environment and to give the boat owner years of trouble free service. Its compact and rugged design exceeds any competitive product in value and performance.

The control handle will engage the gear in either direction before throttle acceleration takes place. In order to warm up the engine without gear engagement, the control handle is pulled away from the dome approximately 1/4". This will disengage the clutch mechanism and will allow engine acceleration.

When the control handle is returned to neutral position, the clutch mechanism is automatically engaged.

The control head also provides a small detent in the full throttle position in one direction only (forward). This will prevent the engine from creeping back, which gives loss of RPM. By reversing the detent roller and spring assembly, the full speed detent can also be reversed.
Ordering Information

Model Designations:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>With one neutral safety switch</td>
</tr>
<tr>
<td>K</td>
<td>With chrome finish cover and handle</td>
</tr>
<tr>
<td>L</td>
<td>With satin brass finish cover and handle</td>
</tr>
<tr>
<td>M</td>
<td>With Black epoxy finish cover with chrome handle</td>
</tr>
</tbody>
</table>

The standard model 2047 control head is supplied as follows:

1. With chrome finish cover and handle.
2. Without neutral safety switch.

To order, state model number followed by Model Designation letter codes.

Example
A model 2046 control head with chrome finish would be 2046-K.

Note
1. Plastic labels are available to indicate Neutral, Forward and Reverse positions, as well as the speed scales. To order use Part No. 2046-0015
2. Cable connector kits are ordered separately. Each push pull cable end attached the control head requires one kit.

Ordering Numbers
2046-0901 No. 10-32 (30 Series) 2046-0903 Neutral Safety Switch Kit
2046-0902 1/4-28 (40 Series)

Weight
7.5 lbs. (3.4kg)
Dimensions and Parts

Side View
Front View

ALL DIMENSIONS IN INCHES (MM)

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QUANTITY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>2046-0001</td>
<td>Frame</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>2046-0002</td>
<td>Centre Cam</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>2046-0003</td>
<td>Pivot Cam</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>2046-0004</td>
<td>Retainer</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>2046-0005</td>
<td>Support</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>2046-0006</td>
<td>End Plate</td>
</tr>
<tr>
<td>ITEM</td>
<td>QUANTITY</td>
<td>PART NUMBER</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>------</td>
<td>----------</td>
<td>-------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>2046-0007</td>
<td>Throttle Cam</td>
</tr>
<tr>
<td>8</td>
<td>1</td>
<td>2046-0008</td>
<td>Link No. 1</td>
</tr>
<tr>
<td>9</td>
<td>1</td>
<td>2046-0009</td>
<td>Link No. 2</td>
</tr>
<tr>
<td>10</td>
<td>1</td>
<td>2046-0010</td>
<td>Detent Lever</td>
</tr>
<tr>
<td>11</td>
<td>1</td>
<td>2046-0011</td>
<td>Cam Retainer</td>
</tr>
<tr>
<td>12</td>
<td>1</td>
<td>2046-0012</td>
<td>Handle</td>
</tr>
<tr>
<td>13</td>
<td>1</td>
<td>2030-0001</td>
<td>Knob</td>
</tr>
<tr>
<td>14</td>
<td>1</td>
<td>2004-0002</td>
<td>Dome</td>
</tr>
<tr>
<td>15</td>
<td>1</td>
<td>2046-0015</td>
<td>Name Plate</td>
</tr>
<tr>
<td>16</td>
<td>1</td>
<td>2046-0016</td>
<td>Throttle Bushing</td>
</tr>
<tr>
<td>17</td>
<td>1</td>
<td>2046-0017</td>
<td>Clutch Bushing</td>
</tr>
<tr>
<td>18</td>
<td>1</td>
<td>2046-0018</td>
<td>Shoulder Bolt</td>
</tr>
<tr>
<td>19</td>
<td>1</td>
<td>2046-0019</td>
<td>Roller</td>
</tr>
<tr>
<td>20</td>
<td>1</td>
<td>2046-0020</td>
<td>Frame Pin</td>
</tr>
<tr>
<td>21</td>
<td>1</td>
<td>2046-0021</td>
<td>Detent Link Pin</td>
</tr>
<tr>
<td>22</td>
<td>1</td>
<td>2046-0022</td>
<td>Link Pin</td>
</tr>
<tr>
<td>23</td>
<td>1</td>
<td>2046-0023</td>
<td>Link Solid Pin</td>
</tr>
<tr>
<td>24</td>
<td>1</td>
<td>2046-0024</td>
<td>Pivot Plate Pin</td>
</tr>
<tr>
<td>25</td>
<td>2</td>
<td>1024-0510</td>
<td>Spring Pin</td>
</tr>
<tr>
<td>26</td>
<td>1</td>
<td>1016-0804</td>
<td>Set Screw</td>
</tr>
<tr>
<td>27</td>
<td>1</td>
<td>2046-0027</td>
<td>Throttle Roller</td>
</tr>
<tr>
<td>28</td>
<td>1</td>
<td>1202-0001</td>
<td>Spring</td>
</tr>
<tr>
<td>29</td>
<td>4</td>
<td>1029-1025</td>
<td>Snap Ring</td>
</tr>
<tr>
<td>30</td>
<td>2</td>
<td>1005-0806</td>
<td>Oval Hd Mach. Screw Slotted</td>
</tr>
<tr>
<td>31</td>
<td>4</td>
<td>1002-1010</td>
<td>Socket Head Capscrew</td>
</tr>
<tr>
<td>32</td>
<td>4</td>
<td>1004-0806</td>
<td>Rd. Hd Mach. Screw Slotted</td>
</tr>
<tr>
<td>33</td>
<td>2</td>
<td>1023-0211</td>
<td>Washer</td>
</tr>
<tr>
<td>34</td>
<td>1</td>
<td>1001-1136</td>
<td>Hex, Head Capscrew</td>
</tr>
<tr>
<td>35</td>
<td>1</td>
<td>1024-0816</td>
<td>Spring Pin</td>
</tr>
<tr>
<td>36</td>
<td>1</td>
<td>1201-0108</td>
<td>Spring</td>
</tr>
<tr>
<td>37</td>
<td>2</td>
<td>1009-0804</td>
<td>Fit Hd Mach Screw Phillips</td>
</tr>
<tr>
<td>38</td>
<td>3</td>
<td>1003-0806</td>
<td>Fit Hd Mach Screw Slotted</td>
</tr>
<tr>
<td>39</td>
<td>1</td>
<td>1022-0311</td>
<td>Lock Nut</td>
</tr>
</tbody>
</table>

* Quantity may vary.
2046 "Cut-Out" Dimensions

HANDLE TRAVEL

4.825" (117)

4 MOUNTING HOLES

1/8" (5.5) DIA.

5.375" (137)

45° TYP.

1.750" (44)

2.500" (64)

2.250" (61.1)