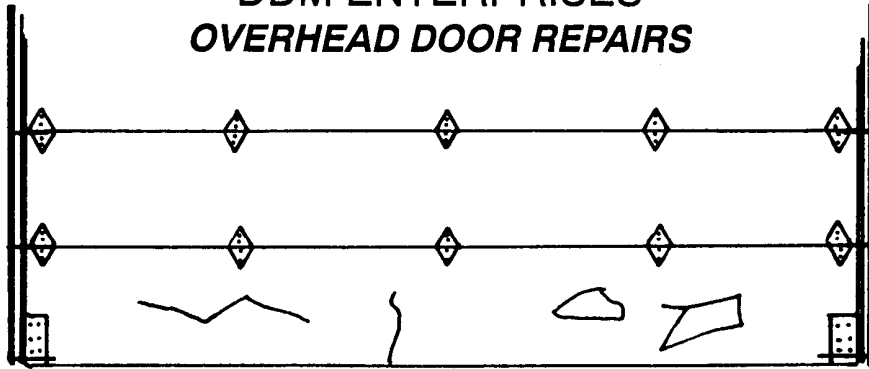


**DDM ENTERPRISES
OVERHEAD DOOR REPAIRS**



Bottom Section Replacement 1

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**A.
Prepare**

IMPORTANT

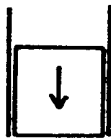
These are general guidelines and specific details may differ in the repair of your doors. You are responsible for working safely, and you assume all risk involved in installing or repairing the door and operator equipment. DDM Enterprises disclaims all liability regarding installation or repair of the equipment. These instructions do not create a warranty for either parts or instructions.

1

GATHER TOOLS

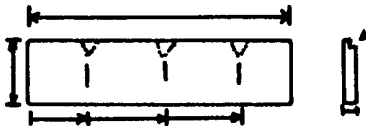
- | | |
|---------------------------|-------------------|
| Winding bars | Hammer |
| Ratchet wrench 1/2" drive | Large screwdriver |
| 6 pt. socket 7/16" | Rope 10' |
| 8 pt. socket 1/2" | Level 3' |
| Adjustable wrench | Scriber |
| Open end wrnech 7/16" | Sawhorses |
| Vise grips (12) | Electric saw |
| Ladders or scaffold | 4 X 4 blocks (2) |
| Safety glasses | Drill & 1/4" bits |

2



Close door.

3



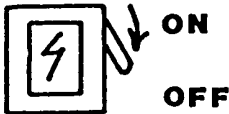
Double-check measurements of new section against new.

4



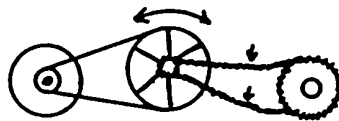
Vise grip tracks above 3rd rollers on both sides.

5



Turn off power.

6



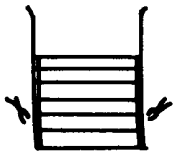
Manually turn operator belt pulley until drive chain is relaxed on top & bottom.

7



Remove drive chain.

8

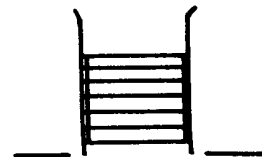


Remove vise grips.

B.

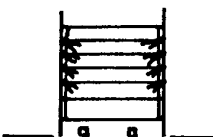
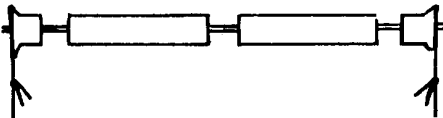
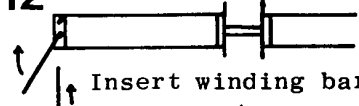
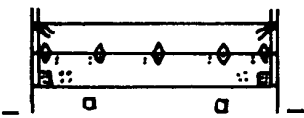
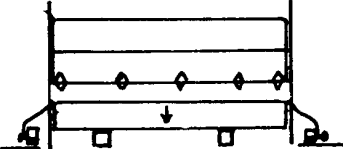



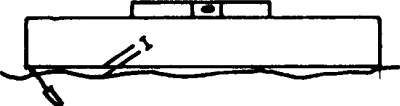


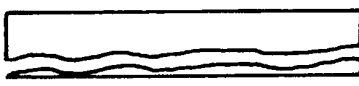

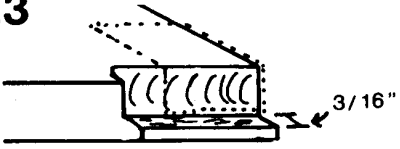
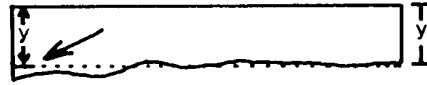
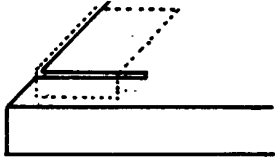
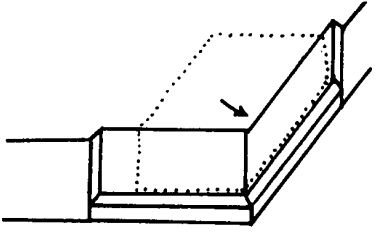
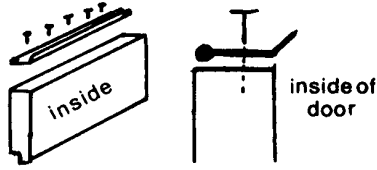
Remove Old Section.

9

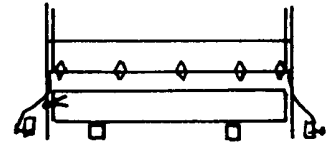
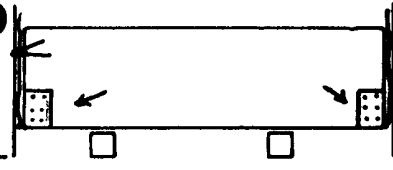
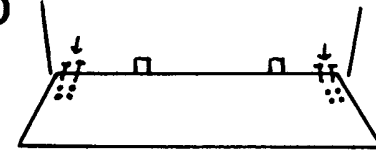
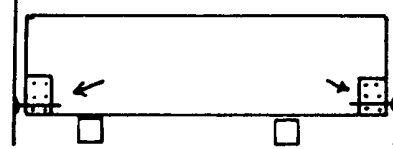
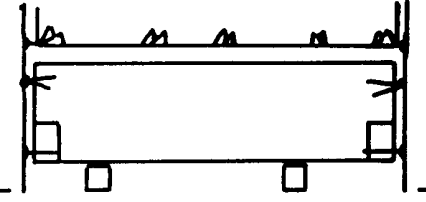
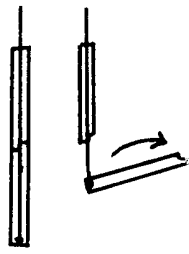
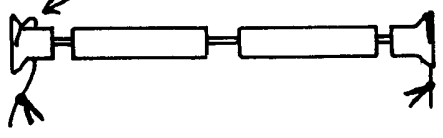
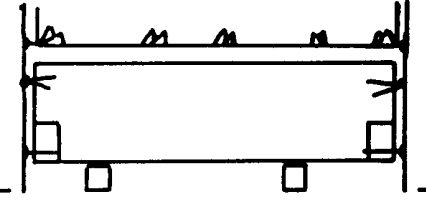
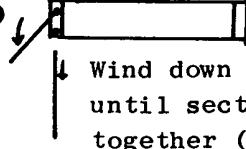
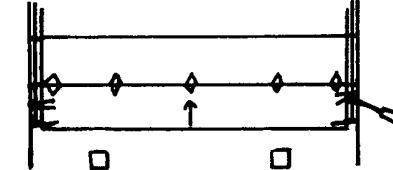
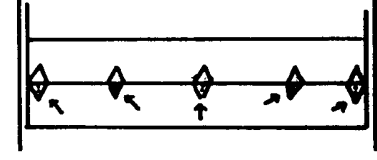
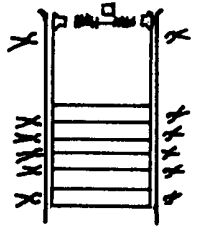
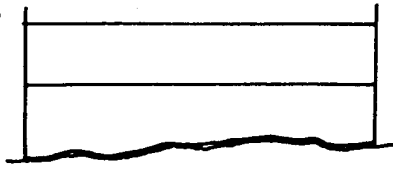
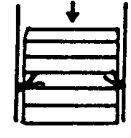
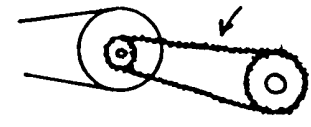
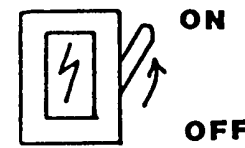
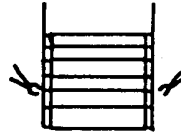
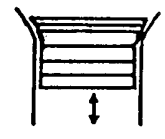


Raise door 10".

DDM ENTERPRISES

<p>10</p>  <p>Place blocks under door and vise grip tracks under 3rd, 4th, 5th, & 6th rollers.</p>	<p>11</p>  <p>Hang vise grips on cables just below drums.</p>	<p>12</p>  <p>Insert winding bars & wind up 1/2 turn on spring plug. DO NOT LOOSEN SET SCREWS.</p>
<p>13</p>  <p>Remove fasteners on bottom fixtures & bottom half of each hinge.</p>	<p>14</p>  <p>Lower bottom section.</p>	<p>15</p>  <p>Remove section from opening.</p>
<p>C. Prepare New Section</p>	<p>16</p>  <p>Remove blocks & position new section in opening. Make sure rabbetts line up.</p>	<p>17</p>  <p>Level bottom section. Hold level with screwdriver.</p>
<p>18</p>  <p>Measure largest gap between section & floor.</p>	<p>19</p> <p>IF SECTION IS LEVEL, & IF LARGEST GAP IS LESS THAN 1/2", GO TO STEP NO. 26.</p>	<p>19</p>  <p>If gap is 1/2" or larger, spread scribe to 1/4" above highest gap.</p>
<p>20</p>  <p>Mark full length of section with scribe.</p>	<p>21</p>  <p>Saw along line just marked.</p>	<p>22</p>  <p>Measure height of both ends to determine shorter end.</p>
<p>23</p>  <p>Mortise bottom of section 3/16" on SHORTER end.</p>	<p>24</p>  <p>From top of HIGHER end, measure & mark height of lower end.</p>	<p>25</p>  <p>Saw 3/16" gap same depth as bottom fixture.</p>
<p>26</p> <p>Mortise edges of bottom section 3/16" so bottom fixtures will be flush with edges of section.</p>		<p>27</p>  <p>Install astragal with roofing nails spaced 6" apart.</p>

DDM ENTERPRISES

<p>D.</p> <p>Install New Section</p>	<p>28</p>  <p>Position section in opening & vise grip track to hold..</p>	<p>29</p>  <p>Position bottom fixtures in place & drill holes.</p>
<p>30</p>  <p>Remove bottom fixtures & insert carriage bolts.</p>	<p>31</p>  <p>Insert rollers & fasten bottom fixtures in place.</p>	<p>32</p> <p>Vise grip both tracks near top of section so that section is pressed against jamb. Flip up bottoms of hinges. Line up sections.</p> 
<p>33</p> <p>DANGER: Bottom of section will jumb out of opening unless secured with vise grips.</p> 	<p>34</p>  <p>Check cables on drums. Reinstall if needed.</p>	
<p>35</p>  <p>Wind down on spring until sections come together (about 1/2 turn).</p>	<p>36</p>  <p>Adjust alignment as sections come together.</p>	<p>37</p>  <p>Drill & fasten bottoms of hinges.</p>
<p>38</p> <p>Remove all vise grips from tracks & cables.</p> 	<p>39</p>  <p>Check fitting on floor & door level. Adjust if needed.</p>	<p>E. Final Inspection</p>
<p>40</p>  <p>Close door & vise grip tracks above 3rd rollers.</p>	<p>41</p>  <p>Reinstall drive chain.</p>	<p>42</p>  <p>Turn on power.</p>
<p>43</p>  <p>Remove vise grips.</p>	<p>44</p>  <p>Check electrical operation. Adjust operator if needed.</p>	<p>45</p> <p>Put away tools, discard old materials, and take a coffee break.</p>