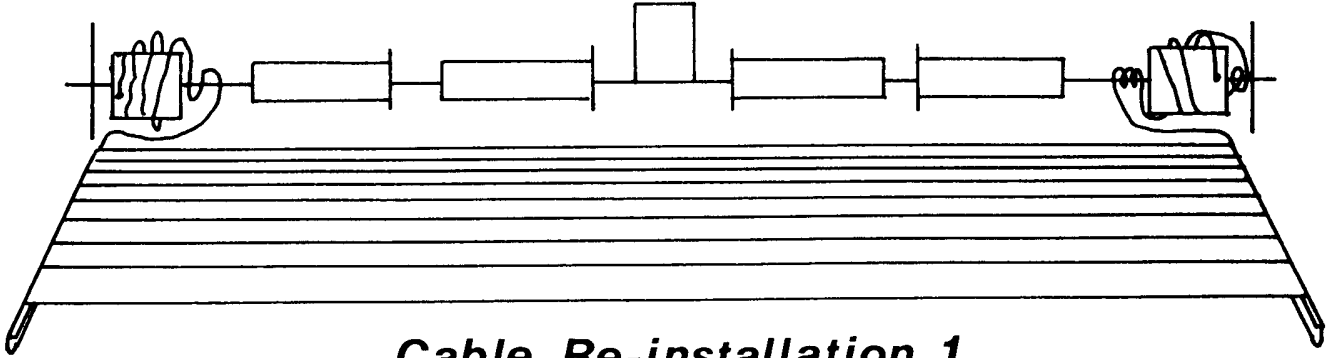


**DDM ENTERPRISES
OVERHEAD DOOR REPAIRS**



Cable Re-installation 1

© 1983

**A.
Secure Door.**

1

GATHER TOOLS:

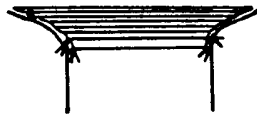
comealongs
chokers
vise grips
ladders or scaffold

winding bars
large screwdriver
gloves
safety glasses

IMPORTANT

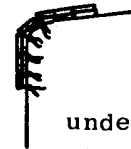
These are general guidelines and specific details may differ in the repair of your doors. You are responsible for working safely, and you assume all risk involved in installing or repairing the door and operator equipment. DDM Enterprises disclaims all liability regarding installation or repair of the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

2



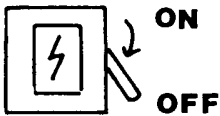
Securely vise grip tracks on both sides.

3



If door is part way down, vise grip tracks under each roller in the vertical tracks.

4



Turn off the power.

5

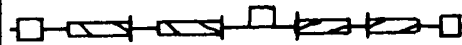
DANGER!

NEVER GET ON TOP OF AN OPEN DOOR WITHOUT FIRST VISE-GRIPPING THE TRACKS FOR SECURITY. Check for missing rollers or damaged hinges. Test the top of the door to make sure it will hold your weight before climbing on top. Notify dock personnel regarding your work.

**B.
Determine
Stress Points**

6

? Springs ?

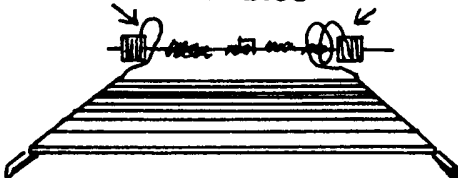


1. How much tension is on the springs?

- 2. Are the springs wound or unwound?
- 3. If the springs are wound, what keeps them from unwinding? Operator? Cables? Find out.

7

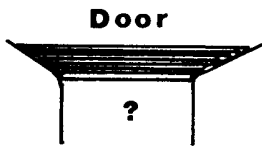
? Cables ?



- 1. Are the cables supporting the door?
- 2. Are the cables keeping the springs wound? Will the springs unwind if the cables are untangled?
- 3. If the cables are tight, which way does the shaft & drum need to be turned to loosen & untangle the cable? If loose, which way to tighten them?

DDM ENTERPRISES

8



1. What kept the door from falling & rolling to the ground before you vise gripped the tracks?
2. What prevented the door from working properly to begin with?

Don't do anything until you answer these questions!

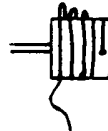
You must understand how anything you do will effect the rest of the door, cables, and spring assembly. Your safety and well-being is more important than getting the door repaired.

C.

Reinstall Cables on Drums.

9

too loose

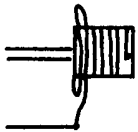


too tight



Determine whether the cables are too loose or too tight to reinstall on the drums.

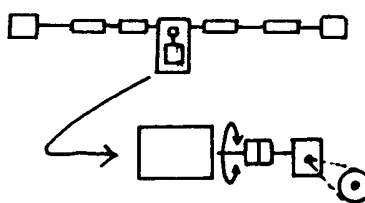
10



If too loose, the springs are kept

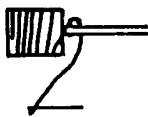
wound by the operator. The shaft needs to be turned as when raising the door.

10A



Manually turn the motor shaft until both cables fit snugly on the drums. Door may shift slightly if unlevel.

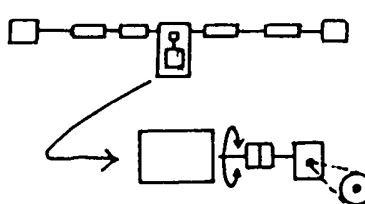
11



If too tight, the springs are probably

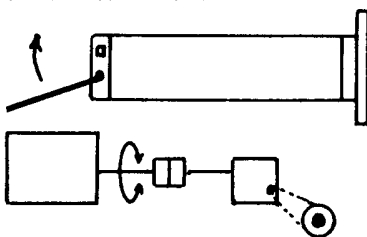
kept wound by cables & door. The shaft needs to be turned as when closing the door.

11A



Try manually turning the motor shaft until both cables fit snugly on the drums. Door may shift slightly if unlevel.

11B

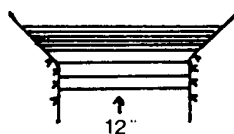


If the motor shaft won't turn the direction you need, insert a winding bar into one of the spring plugs. **DO NOT LOOSEN SET SCREWS.** Pull up on the bar slightly until the motor shaft can be turned. Continue pushing up on the bar until the cables are on the drums. Continue holding the bar. Turn the motor shaft the opposite direction until the cables & door are holding the spring tension.

11C

If that doesn't work, there are probably 2 or more sections down in the vertical tracks.

12



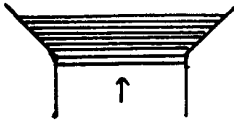
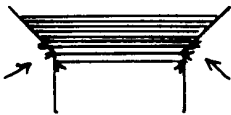
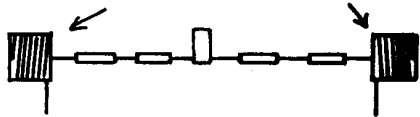
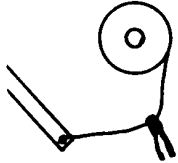
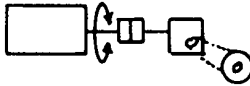
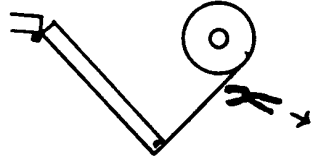
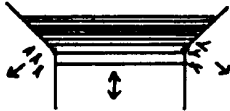
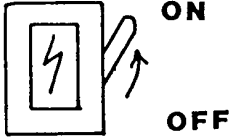
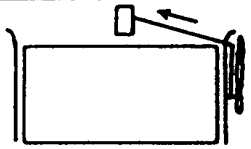
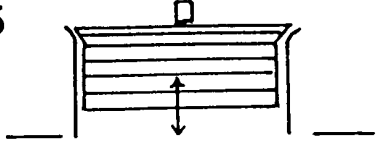
Raise the door 12" with a forklift or comealongs.

13



Remove vise grips.

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<p>14</p>  <p>Raise door until cables are loose enough to reinstall.</p>	<p>15</p>  <p>Vise grip tracks before getting on top of door.</p>	<p>16</p>  <p>Reinstall cables on drums.</p>
<p>17</p>  <p>If one cable won't stay on while installing the other, hang a vise grip on cable.</p>	<p>18</p>  <p>Turn motor shaft as needed to tighten cables.</p>	<p>19</p>  <p>Remove vise grip.</p>
<p>D. Final Inspection & Repairs</p>	<p>20</p>  <p>Check manual operation of door. Remove vise grips.</p>	<p>21 Determine cause of problem & repair:</p> <ol style="list-style-type: none"> 1. Bad roller 2. Loose track bolt 3. Operator not stopping 4. Object under door 5. Door unlevel & scraping
<p>22</p> <p>Make any other necessary repairs resulting from cables coming off.</p>	<p>23</p>  <p>Turn on power.</p>	<p>24</p>  <p>Reengage operator & tie or fasten hoist chain.</p>
<p>25</p>  <p>Check electrical operation of door. Adjust if needed.</p>	<p>26</p> <p>Work complete. Put away your tools and take a coffee break.</p>	