DDM ENTERPRISES
OVERHEAD DOOR REPAIRS

Cable Re-installation 1
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A. Secure Door.

1. Gather tools:
   comealong
   chokers
   vise grips
   ladders or scaffold
   winding bars
   large screwdriver
   gloves
   safety glasses

2. Securely visegrip tracks on both sides.

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

4. ON
   OFF

Turn off the power.

B. Determine Stress Points

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.

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?

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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.**

<table>
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<th>9</th>
<th>too loose</th>
<th>too tight</th>
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<td>Determine whether the cables are too loose or too tight to reinstall on the drums.</td>
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| 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. |
**D. Final Inspection & Repairs**

1. **14** Raise door until cables are loose enough to reinstall.
2. **15** Vise grip tracks before getting on top of door.
3. **16** Reinstall cables on drums.
4. **17** If one cable won't stay on while installing the other, hang a vise grip on cable.
5. **18** Turn motor shaft as needed to tighten cables.
6. **19** Remove vise grip.
7. **20** Check manual operation of door. Remove vise grips.
8. **21** Determine cause of problem & repair:
   1. Bad roller
   2. Loose track bolt
   3. Operator not stopping
   4. Object under door
   5. Door unlevel & scraping
9. **22** Make any other necessary repairs resulting from cables coming off.
10. **23** Turn on power.
11. **24** Reengage operator & tie or fasten hoist chain.
12. **25** Check electrical operation of door. Adjust if needed.
13. **26** Work complete. Put away your tools and take a coffee break.