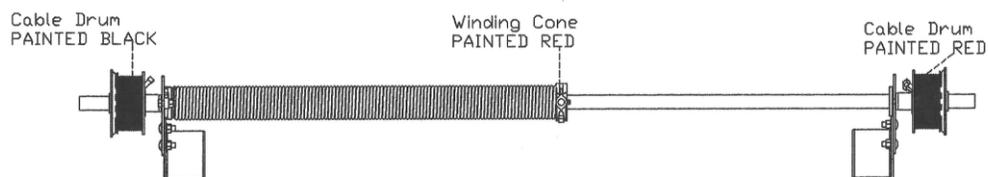


## SINGLE SPRING SYSTEM

### Installation Notes

When mounting a spring system from M-3 a few basic rules apply to both single and double spring systems.

- 1) The spring with the black cable drum should always be mounted to your LEFT, standing on the inside of the trailer looking out.
- 2) Springs should always be wound down--you should be pulling not pushing the winding bars. The door should be in the open or down position when winding the springs.
- 3) Each spring is calculated per springing weight at ten full turns per spring. The springing weight can be determined by lowering a finished door onto a freight or standard bathroom scale. Doors can vary in weight plus or minus 15 lbs from their rated weight. If you are outside these parameters, please call for a spring designed for the door you are trying to lift.
- 4) When you wind your spring it should grow in length not diameter. If the spring gets larger in diameter you are winding it backwards. This will cause permanent damage and voids any warranty.
- 5) The cables on your spring system should be mounted so that they travel down the back of the cable drum and through the door opening to the door attachment point. They should never come across the front of the cable drums. Cables should not come into contact with anything other than the cable drum (door frames, lock sets, mower decks, etc.) Cables should be regularly inspected and replaced at the first sign of fraying.
- 6) Attach a pair of vice grips to the tube to keep the unit from spinning while you attach the cables to the drums and when adjusting the tension of springs. Mount your vice grips so that they will push against the header of the trailer keeping the spring system from spinning during installation.



Standing on the INSIDE of the trailer looking OUT the Cable Drum that is PAINTED BLACK should be on the LEFT HAND side of the trailer.

Further technical assistance can be obtained toll free by calling (574) 294-3988 Monday-Friday from 8:00 AM to 5:00 PM EST.