



Galt Display Rack
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Worm Gear & Sprocket Spool Replace Instructions Electric Rug Gallery

Caution: Care must be taken when performing these procedures as the cable and gear members can cause personal injury in the event of any movement of pieces.

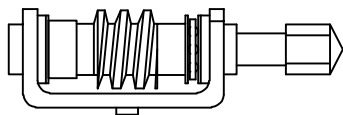
Ensure that the display is not activated using normal lockout procedures and the damaged arm is separated from the others and cannot move up or down during the procedure.

Install a suitably large "C-Clamp" below the trolley bracket to ensure that the trolley cannot move during the procedure.

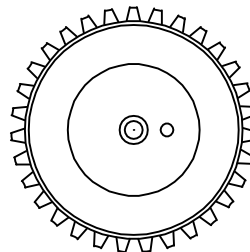
Tools Required

- two $\frac{1}{2}$ " wrenches
- $\frac{1}{8}$ " allen key (supplied with cable kit)
- C-Clamp large enough for 4" opening
- hammer

ERG-00140 Worm Gear

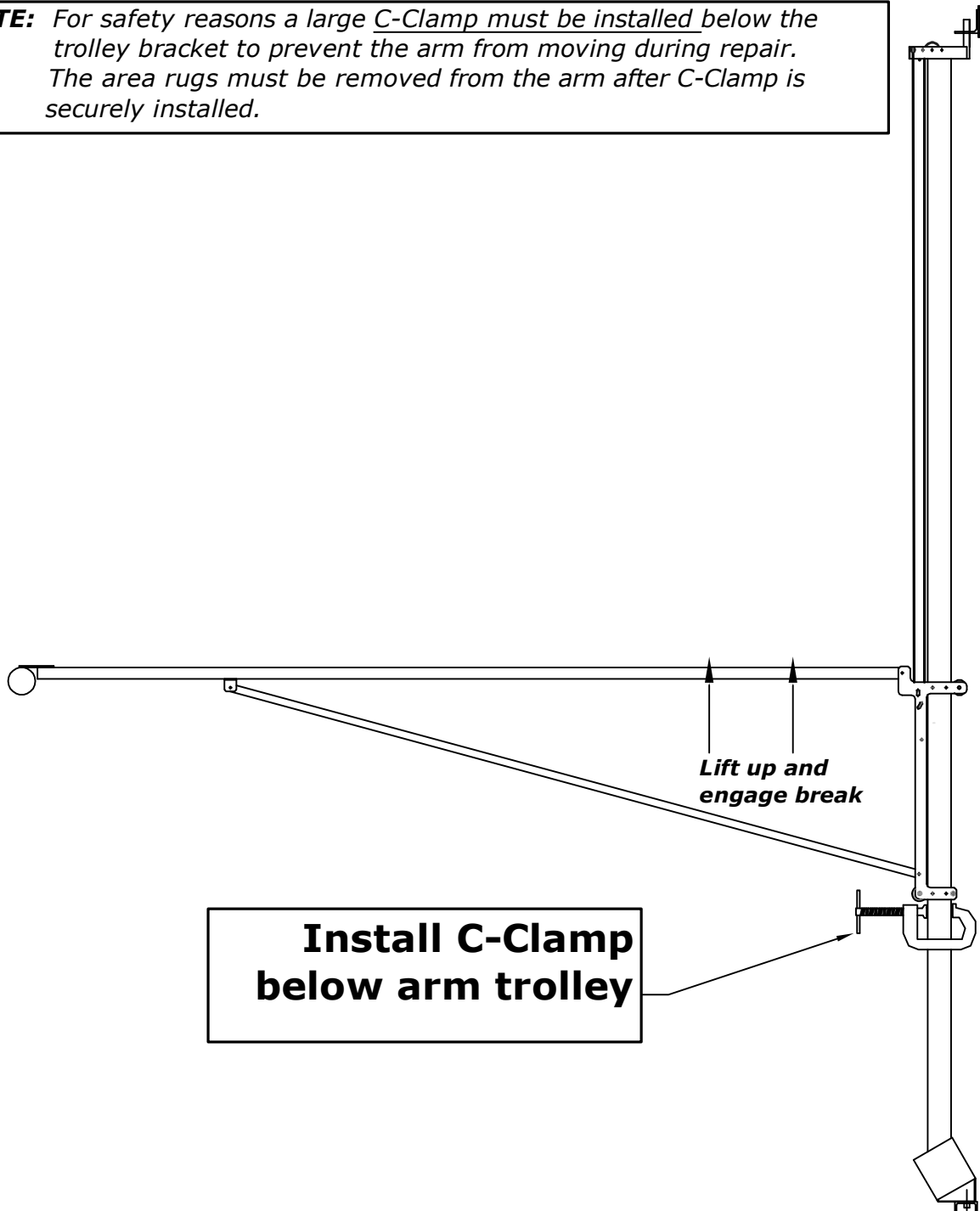


ERG-00139 Sprocket Spool

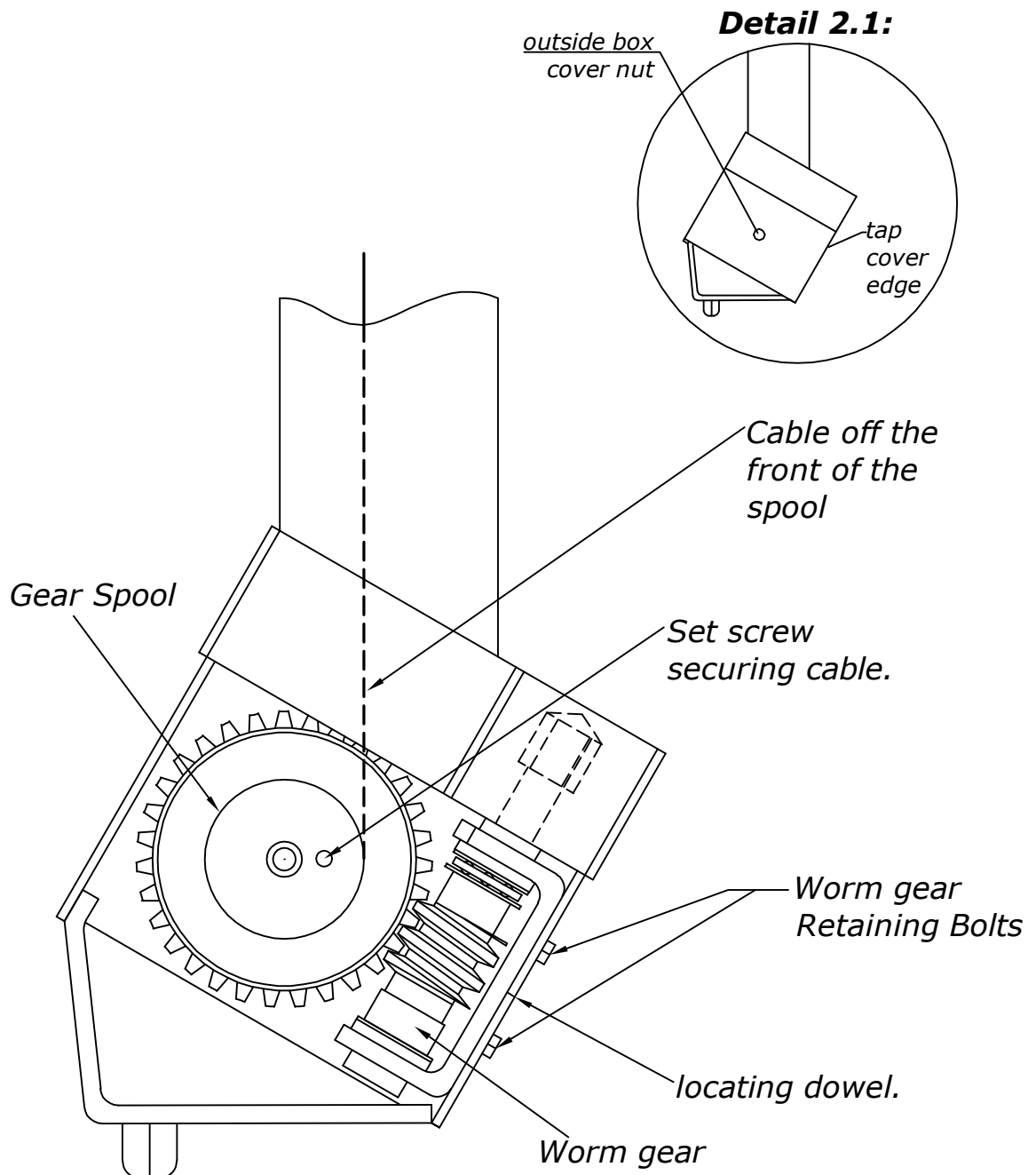


1.1 Lift on carpet arm to move trolley bracket up and releasing tension on cable. Ensure that break has engaged to hold arm and install a suitable "C" clamp below trolley bracket to hold it in position in case break is accidentally released.

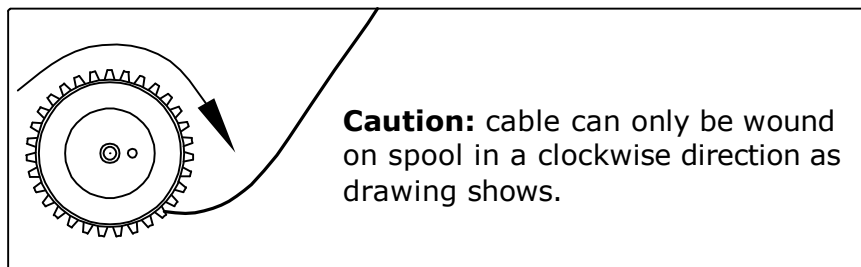
NOTE: For safety reasons a large C-Clamp must be installed below the trolley bracket to prevent the arm from moving during repair. The area rugs must be removed from the arm after C-Clamp is securely installed.



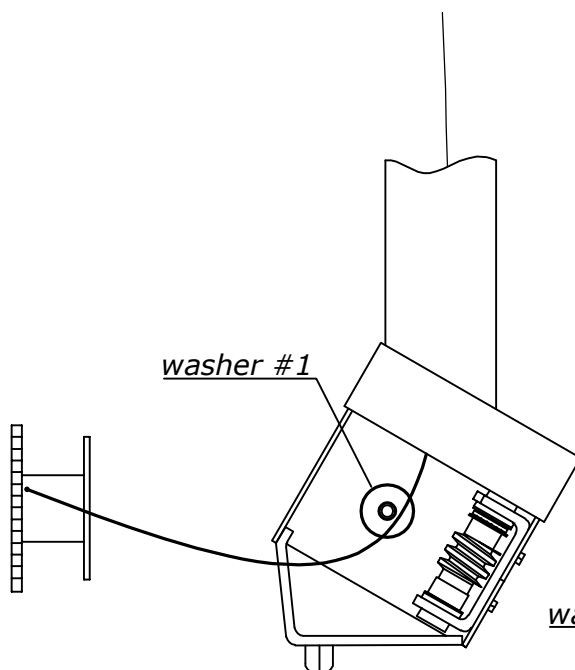
- 2.1 Remove bottom box cover using a 1/2" wrench. Detail 2.1
 Note: it is not necessary to remove spool gear to remove worm gear.
 Gear spool will only need to be loosened but not removed.
 - 2.2 Ensure that cable is loose. Turn worm gear by hand to loosen cable on spool.
 - 2.3 Remove two worm gear retaining bolts that are on the outside of the gear case facing towards you.
 - 2.4. If the Gear Spool needs to be replaced you can do it at this time as well.
 - 2.5 There is a set screw that will require a $\frac{1}{8}$ " Allan key to remove the end of the cable from gear spool. This is only required if you are replacing the gear spool.
- Important :** If you are removing and replacing gear spool see page 3 on how to wind cable back onto gear spool properly.



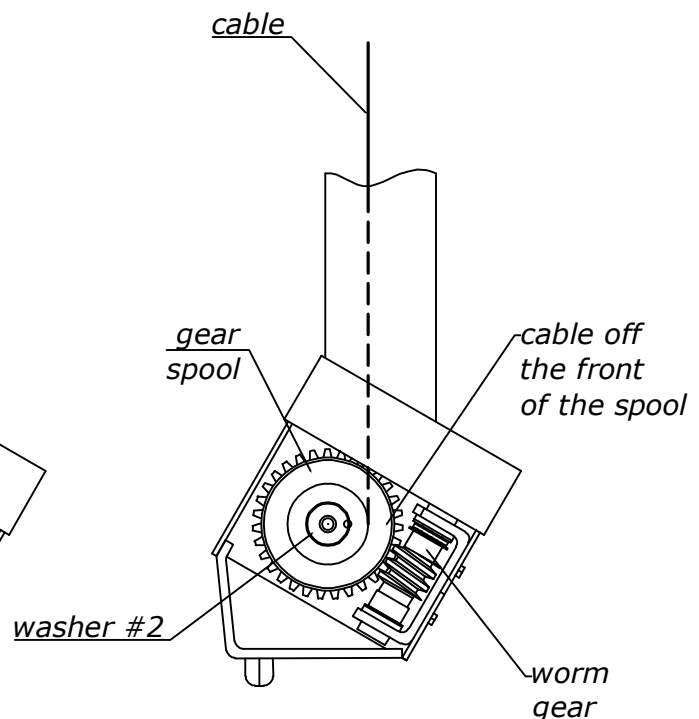
- 3.1 Insert cable into the hole of the Gear Spool, the cable end should protrude approximately $\frac{3}{4}$ " through the Gear Spool. Make sure the setscrew is tightened to lock the cable onto the spool.
- 3.2 Once the cable is secure, it can be wound onto the Gear Spool in a Clockwise direction (**important**), As the cable is being wound onto Gear Spool the cable will get shorter. When a short length of cable remains place the Gear Spool into the Gear Box engaging the teeth on the Gear Spool with the Worm Gear as shown in detail 3.2. **Caution** - check that the cable is coming off the front of the spool up the center of the tube.
- 3.3 **Important** confirm the cable is coming off the spool on the worm gear side and going up the center of the tube. Detail 3.2.
- 3.4 Replace the bolt and bushing through the Gear Box hole and Gear Spool at this time. Re-attach the washer and $\frac{1}{2}$ " nylon nut to the bolt. Grease bushing if required. Use automotive wheel bearing lubricant. Please note there are two washers required, one on each side of gear spool. see details 3.1 & 3.2.



Detail 3.1:



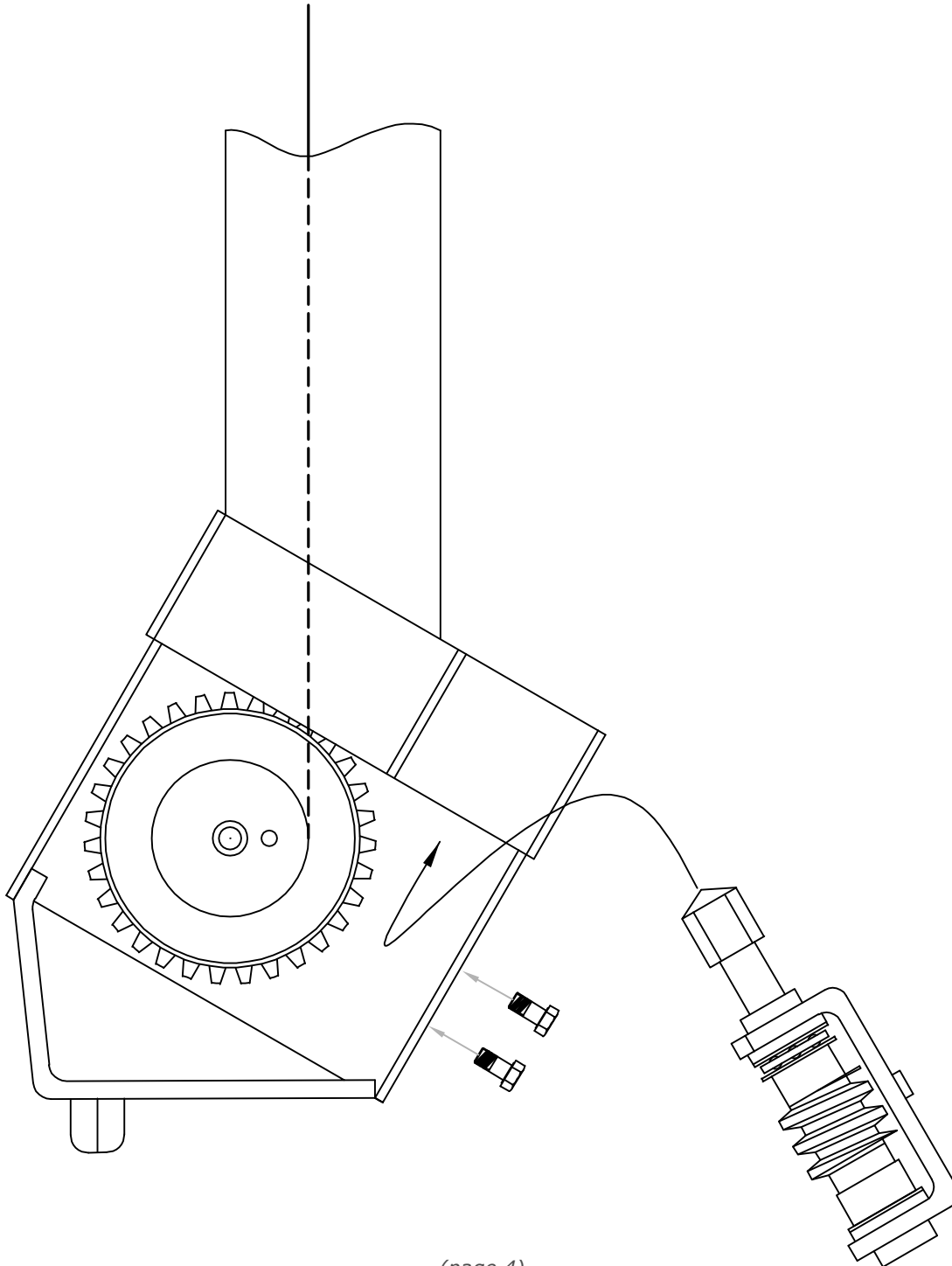
Detail 3.2:



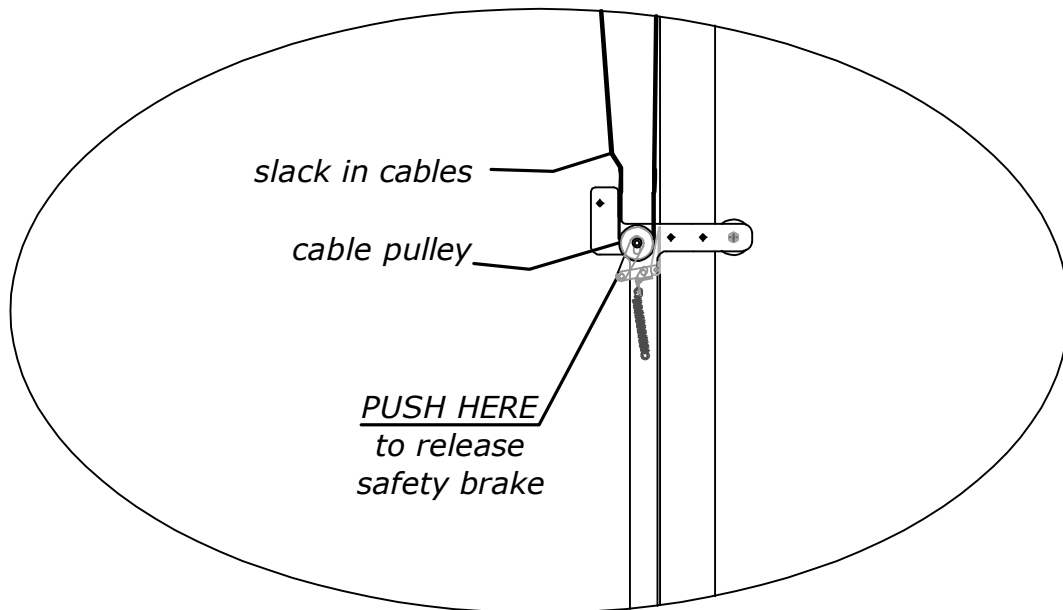
4.1 Reinstall worm gear into housing. Push the gears locating dowel into it's hole, the center hole, and install retaining bolts with lock washers and torque them to 25 ft/lbs.

4.2 Turn worm gear by hand in a clockwise direction until the slack is removed from the cable.

Note: Ensure that there is sufficient grease in the gear housing, if gears appear to be dry then additional grease will have to be added. Any wheel bearing grease will work



- 5.1 Reinstall outer gear box cover.
- 5.2 Remove "C" clamp.
- 5.3 Release brake, see illustration.
- 5.4 Operate arm with drill and verify that it is functioning correctly.
The arm should raise when the drill is turning the worm gear clockwise.
- 5.5 Be sure cable is in the groove of all the pulleys, including the top pulley.
- 5.6 Always check that the brake is functioning properly at this time.
Inspect for any damage or wearing parts.



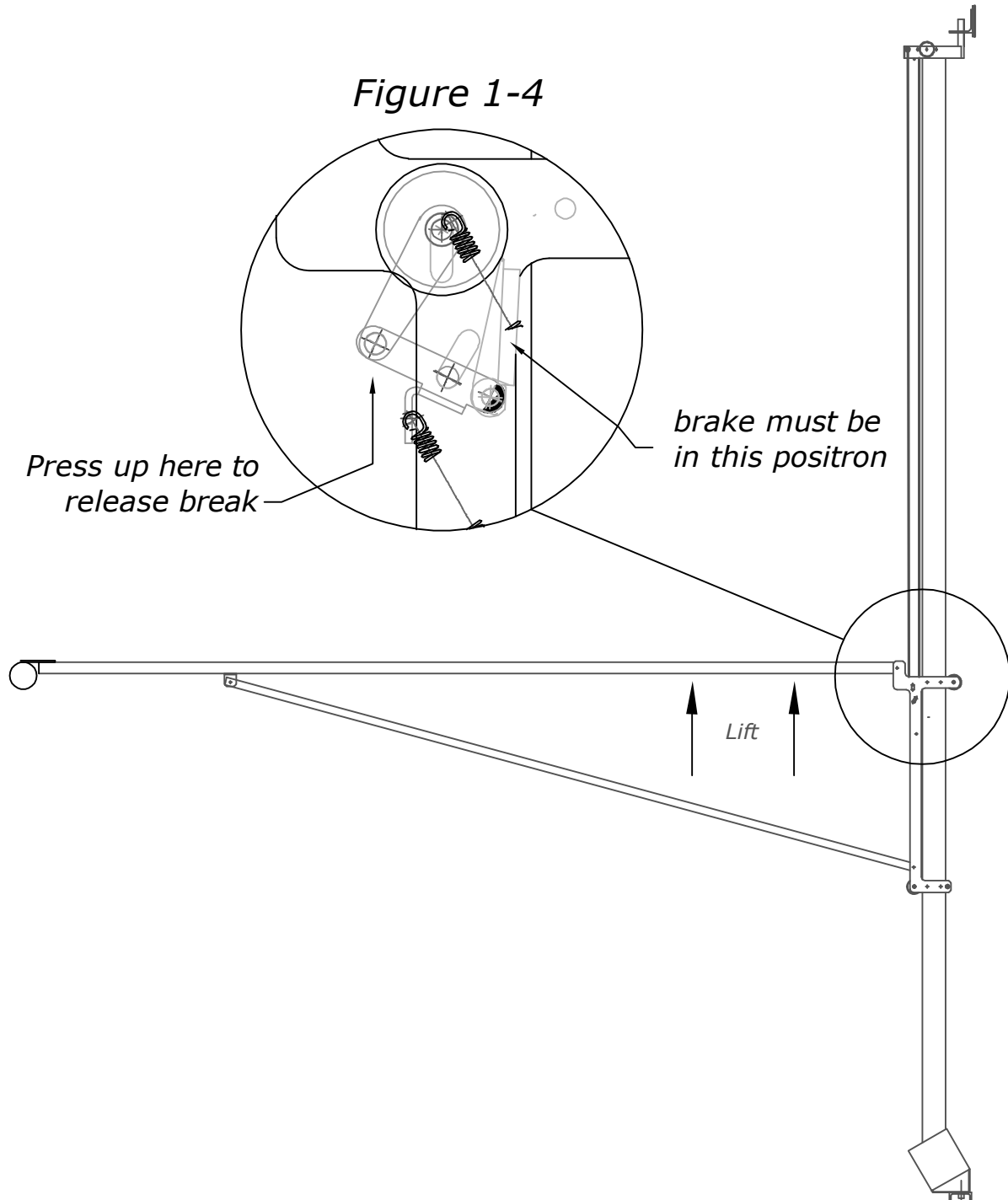
To Release Safety Brake:
Push up on safety brake link assembly and slide trolley bracket down to remove slack in cable. Ensure cable is in pulley center groove. Visually check safety brake "C-clips" are in place.

~Testing of Bracket Brake Pad~

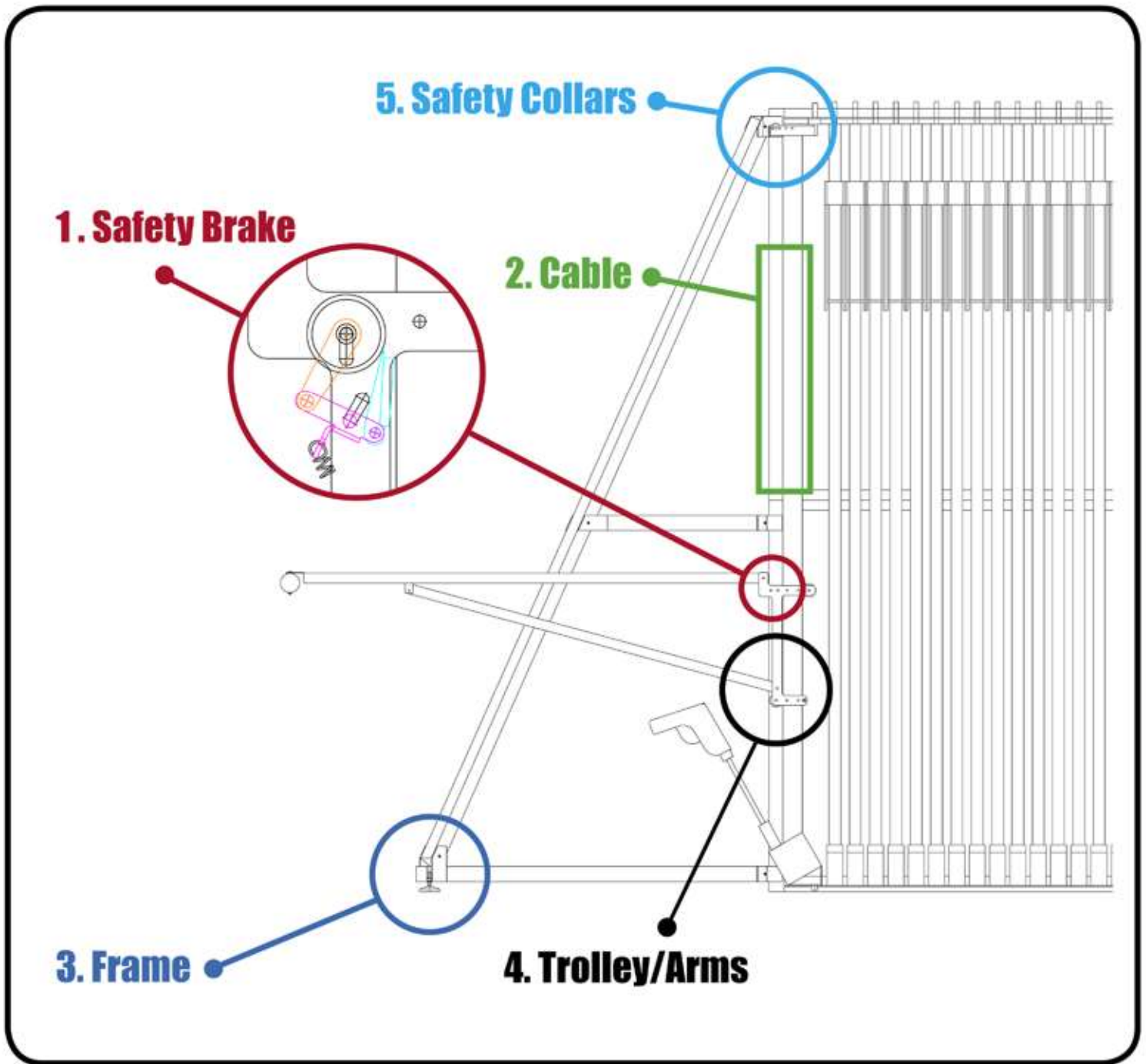
- 6.1 Lift on carpet arm to move trolley bracket up releasing tension on cable, cable tension holds the brake in the released position. Allow arm to come back down slowly and watch to see that brake tries to engage. Apply moderate pressure down on arm to ensure full contact of brake pad.

Again lift arm 2 to 4 inches and allow brake to engage again.

To Release Safety Brake: Push up on safety brake link assembly and slide trolley bracket down to remove slack in cable. Ensure cable is in pulley center groove. Visually check safety brake "C-clips" are in place. (see figure 1-4)



Electric Rug Gallery® Semi-Annual Maintenance Quick Reference and Location Guide



for inquiries or assistance call 1-800-461-3892

| ITEM | INSPECTION AND CHECKLIST |
|-------------------------|--|
| 1 Safety Brake | <ol style="list-style-type: none"> 1. Check condition of brake pad on each arm. <i>Replace pad if ...</i> <ul style="list-style-type: none"> 1.1 Torn 1.2 Separated from Wedge 1.3 Pieces of pad missing <i>Contact Galt Display Rack Co. for replacement.</i> <p>Do Not Use Arm until Safety Brake components have been replaced!</p> 2. Thoroughly clean all dust, lint or debris from pad. 3. Check condition of linkage, pins, end clips and engagement spring. 4. Replace any damaged or missing components. 5. Check linkage movements by slowly lifting arm and trolley assembly. |
| 2 Cable | <ol style="list-style-type: none"> 1. Lower each arm to its lowest position. 2. Inspect the entire length of cable. <i>Replace cable if ...</i> <ul style="list-style-type: none"> 2.1 Kinked 2.2 Broken surface strands of wire 2.3 Open strands of cable <p>Do Not Use Arm Until Cable Has Been Replaced!</p> |
| 3 Frame | <ol style="list-style-type: none"> 1. Check all assembly bolts to ensure they are tight. 2. Re-tighten any bolts found loose. 3. Check anchor bolts in floor and tighten any loose anchor bolts. |
| 4 Trolley/Arms | <ol style="list-style-type: none"> 1. Inspect bolts and components on each trolley and arm assembly. 2. Check for loose bolts or missing components. 3. Tighten any bolts found loose and replace any missing components. 4. Refer to parts list and contact Galt Display. |
| 5 Safety Collars | <ol style="list-style-type: none"> 1. Check locking collars are in place and set screws are tight. 2. Tighten loose set screws and replace any missing collars. |

Failure to properly service and maintain your Electric Rug Gallery® on a regular basis will result in premature failure of the rack and/or component parts. Such failure could lead to injury to your employees or customers and/or damage to property.

SERVICE CONTRACTS are available for your Electric Rug Gallery®. For more information on these service contracts, please contact Galt Display Rack at 800-461-3892.

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