

LIFT CABLE REPLACEMENT INSTRUCTIONS

ORIGINAL SERIES - 1000, 1300, 1600 LB CAPACITY

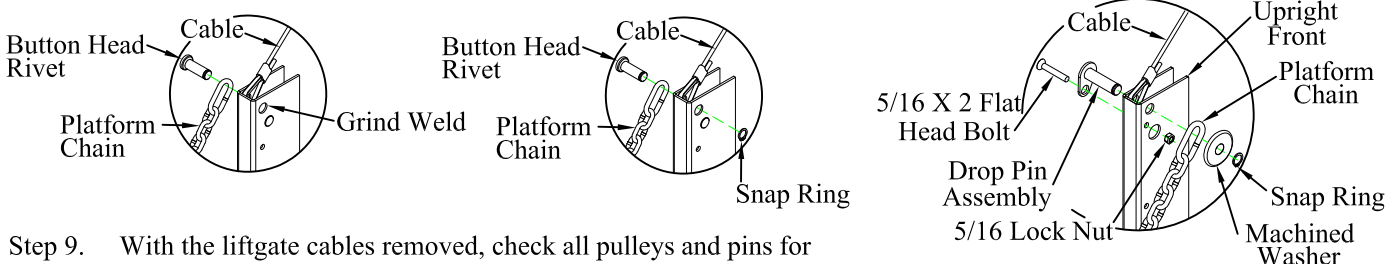
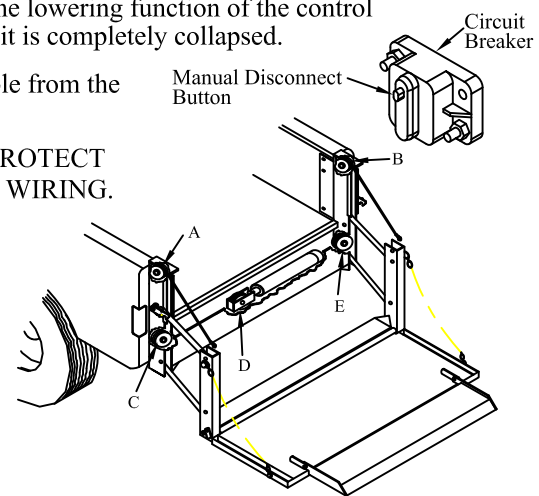
IMPORTANT: Tommy Gate recommends that if one cable assembly needs to be changed, both assemblies are changed.

IMPORTANT: The Mini gate requires a different kit. If this is used on the Mini it will damage the arms and sub assembly.

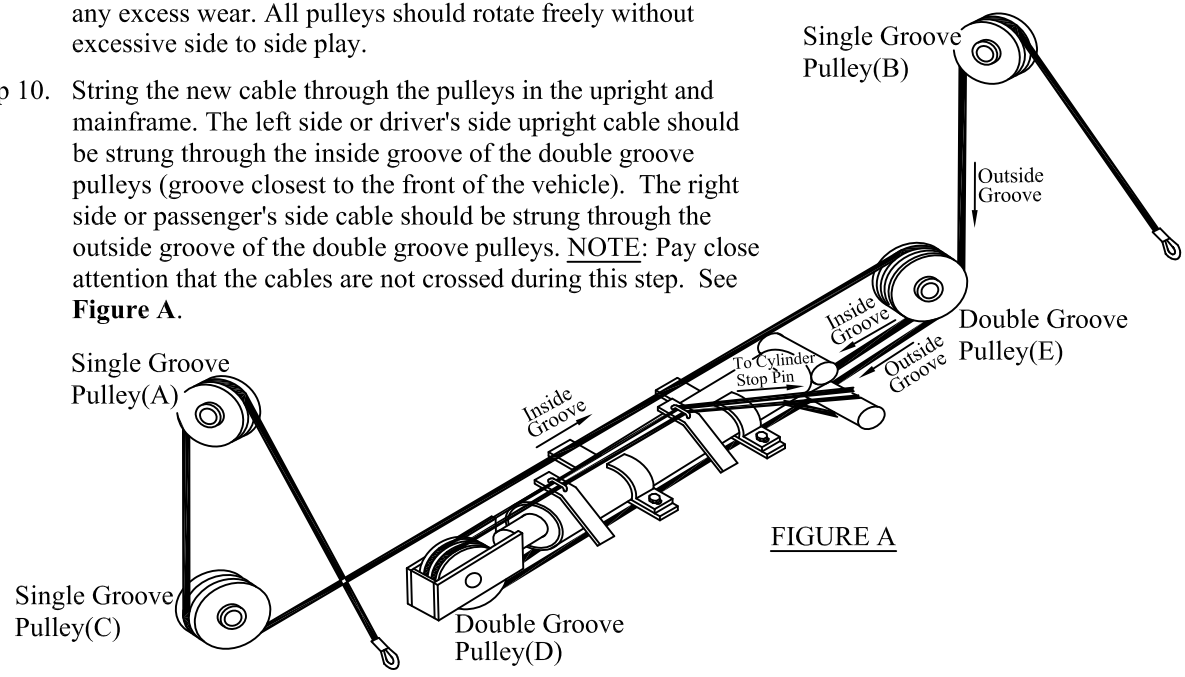
IMPORTANT: Left and Right are determined by standing behind the vehicle and facing the direction the vehicle travels.

IMPORTANT: Be Aware that two-cable repair kits have two different length cables. Always install the shorter cable in the passenger side of the gate and the longer cable in the driver side of the gate. The cables are marked with a tag connected to the cable eyelet that indicates right and left. Failure to install the correct cables on the indicated sides will result in a cable that is too short on the driver side.

- Step 1. Park vehicle on a level surface and lower the liftgate to the ground.
- Step 2. Remove the mainframe box cover by taking out the two 5/16" hex head bolts.
- Step 3. Keep body parts out of mainframe during liftgate operation. Actuate the lowering function of the control lever or timed electric control and push the hydraulic cylinder in until it is completely collapsed.
- Step 4. To avoid risk of a 12 volt electrical short, disconnect the #4 power cable from the positive side of the battery or manually trip the circuit breaker.
- Step 5. **BEFORE WELDING OR GRINDING, YOU MUST COVER AND PROTECT THE LIFT CABLES, PUMP AND MOTOR UNIT, AND CONTROL WIRING.**
- Step 6. Loosen the cable clamps, paying close attention to the location of the cable clamps.
- Step 7. Remove the cable from around the pulleys and from within the uprights.
- Step 8. Remove the cable from the sub-assembly. There are three possible scenarios for the connection where the cable, platform chain, and sub-assembly meet (Refer to the illustrations below). When grinding wear eye protection.



- Step 9. With the liftgate cables removed, check all pulleys and pins for any excess wear. All pulleys should rotate freely without excessive side to side play.
- Step 10. String the new cable through the pulleys in the upright and mainframe. The left side or driver's side upright cable should be strung through the inside groove of the double groove pulleys (groove closest to the front of the vehicle). The right side or passenger's side cable should be strung through the outside groove of the double groove pulleys. **NOTE:** Pay close attention that the cables are not crossed during this step. See **Figure A**.



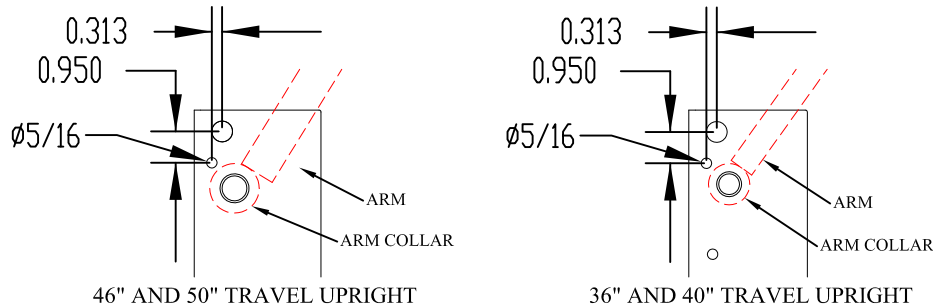
IMPORTANT: USE ONLY CABLES FURNISHED BY TOMMY GATE COMPANY.

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Step 11. If not already equipped, use the dimensions below to drill a 5/16" hole through the outside surface of the upright front on the passenger side.

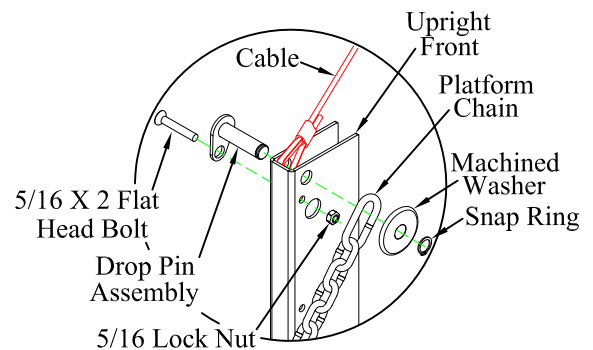
NOTE: THIS DOES NOT INCLUDE THE MINI GATE.



Step 12. Use the same dimensions used in Step 11 to drill the 5/16" hole through the inside surface of the upright front.

Step 13. Repeat Steps 11-12 on the driver side.

Step 14. Using the image to the right as a guide, attach the cable and platform chain to the upright front with the hardware provided.



Step 15. Verify that the vehicle is unloaded and on a level surface.

If the cables are tightened when the vehicle is loaded, the platform may not touch the ground when unloaded.

Step 16. Verify that the cylinder is completely collapsed.

CAUTION: If the cylinder is not completely collapsed now, the cylinder may over extend, causing cylinder damage.

Step 17. Install the cable clamps. Pull the cables tightly through the cable clamps. Position both cable clamps evenly and tighten nuts on clamps. Again check cables for proper routing and clamp location.

CAUTION: Having one cable tighter than the other will cause one side of the subassembly and loading platform to close before the other, leading to premature failure of the cables. The cable clamps must not touch each other.

Step 18. Reconnect the liftgate's main power cable to the positive side of the battery or manually engage circuit breaker.

Step 19. Keep body parts out of the mainframe during liftgate operation. Stand clear of the loading platform. Raise and lower the liftgate checking for proper operation. The sub assembly and loading platform should close evenly. If not, lower the liftgate back to the ground and adjust the lift cable that lags the other.

Step 20. Reinstall the box cover on the mainframe using the two 5/16" bolts removed in step 2.

Step 21. The new cables will stretch with use and should be readjusted after a short period of use.