

Removable Cart Stop (in Taper) Replacement

These instructions will aid you in replacing the cart stop flippers in the taper of an aluminum Railgate or Tuckunder platform.

Preparing for the Repair

1. **Unlatch** and **Lower** the platform to the ground.
2. **Disconnect** the liftgate power cable from the positive side of the battery or manually **Trip** the circuit breaker (Figure 1).

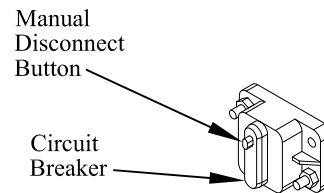


Figure 1: Circuit breaker.

Identifying Cart Stop Style

3. **Open** the cart stop flipper(s) to be replaced.
4. **Examine** the bottom side of the cart stop flippers.
If each flipper has two (2) hinge pins secured by roll pins (Figure 2), skip to step 9.
Otherwise, proceed to the next step.

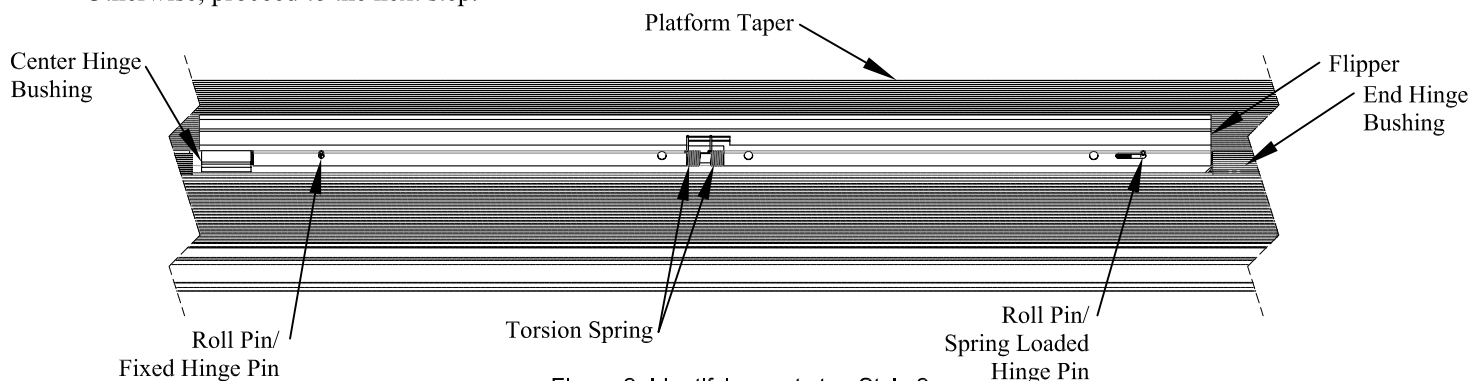


Figure 2: Identifying cart stop Style 2.

Removing The Cart Stop Flipper(s) Style 1

5. **Remove** the weld between center hinge bushing and the platform taper.
If the center bushing is in two pieces, only the side to be repaired needs to be removed.
Use a hand held grinder or other tool to grind the weld out.
6. **Lift** up and **Support** the center hinge bushing cut loose in previous step.
If the center hinge bushing is in two pieces, **Skip** to step 8.
7. **Cut** through the hinge pin on the side to be repaired.
Use a hack saw or a hand grinder.
8. **Remove** the flipper(s) and hinge pin(s) by pulling them out of the end hinge bushing.

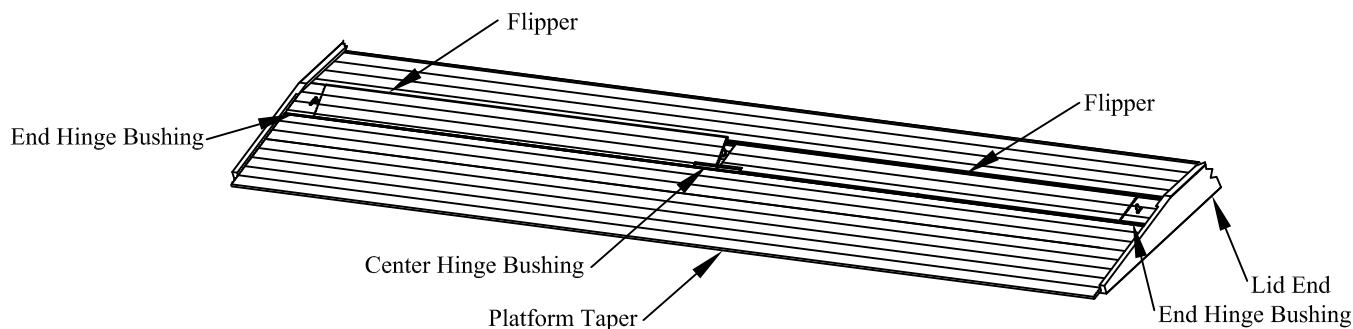


Figure 3: Cart stop terminology Style 1.

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Removing The Cart Stop Flipper(s) Style 2

9. **Slide** the roll pin in the spring loaded hinge to the end of the slot (away from lid end) and pull flipper up to prevent the hinge from re-engaging (Figure 4).

10. **Pull** the flipper away from the center bushing.

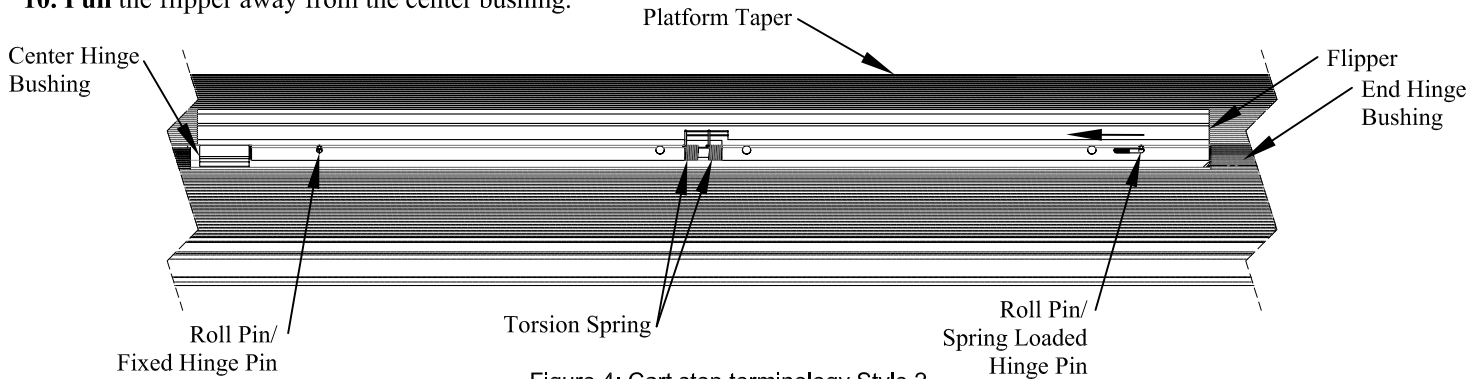


Figure 4: Cart stop terminology Style 2.

Welding Center Bushing(s) Style 1

Skip this step if you did not remove the center bushing.

11. **Place** the center bushing in the taper at the distance from the end bushing as shown in Table 1.

12. **Place** a 3/8" diameter steel rod in the center bushing to prevent burn through during welding.

13. **Weld** the center bushing in place.

14. **Remove** the 3/8" steel rod.

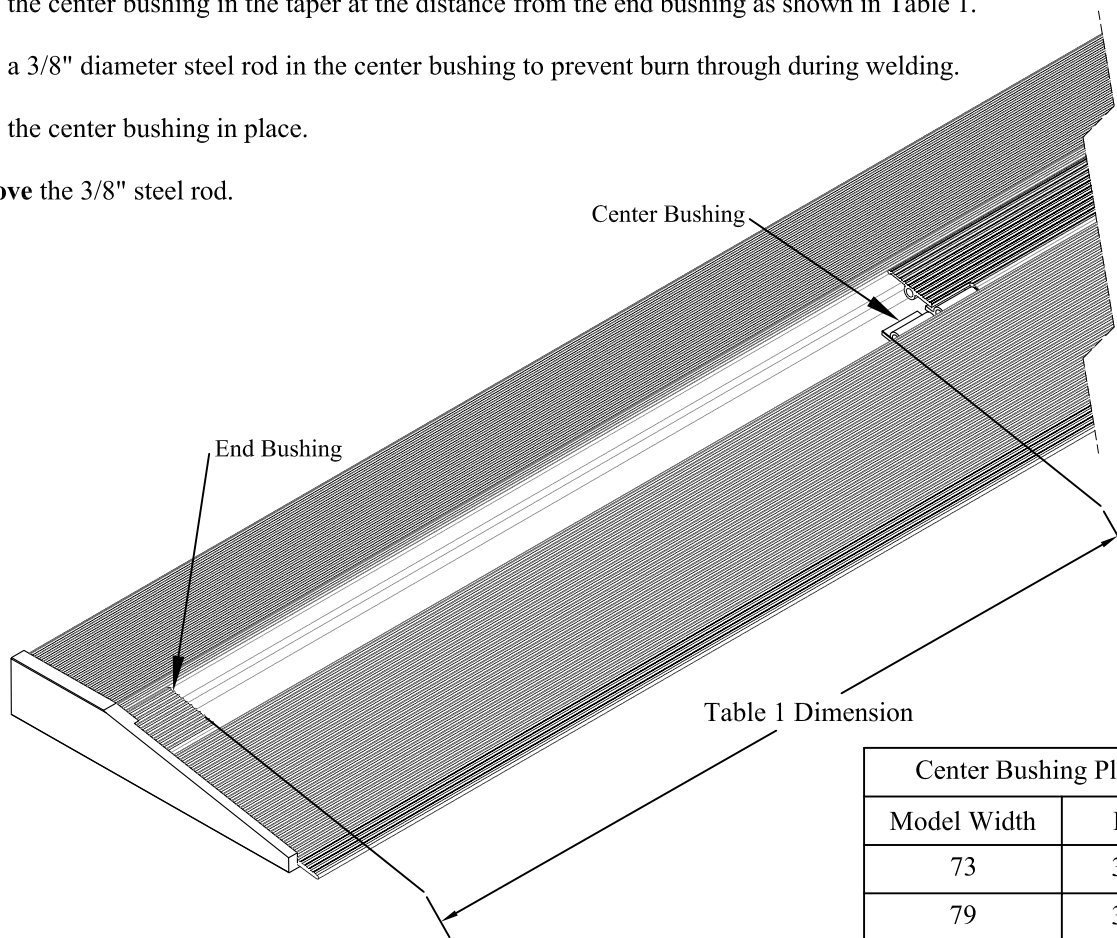


Figure 5: Welding center bushing.

Center Bushing Placement	
Model Width	Distance
73	30-15/16
79	33-15/16
80 (TKT)	34-15/16
85	36-15/16
89	38-15/16
95	41-15/16

Table 1: Welding center bushing.

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Assembling the Cart Stops

15. **Insert** plastic flange bushings into the end and center bushings.
16. **Insert** fixed hinge pin of flipper into center bushing.
17. **Retract** spring loaded hinge pin.
18. **Position** the flipper so the spring loaded hinge pin lines up with the end hinge bushing.
19. **Verify** the torsion springs are aligned properly and do not bind.
20. **Engage** spring loaded hinge pin in the end hinge bushing.
21. **Verify** that the spring loaded hinge pin is fully engaged.
22. **Close** and **Latch** cart stop.

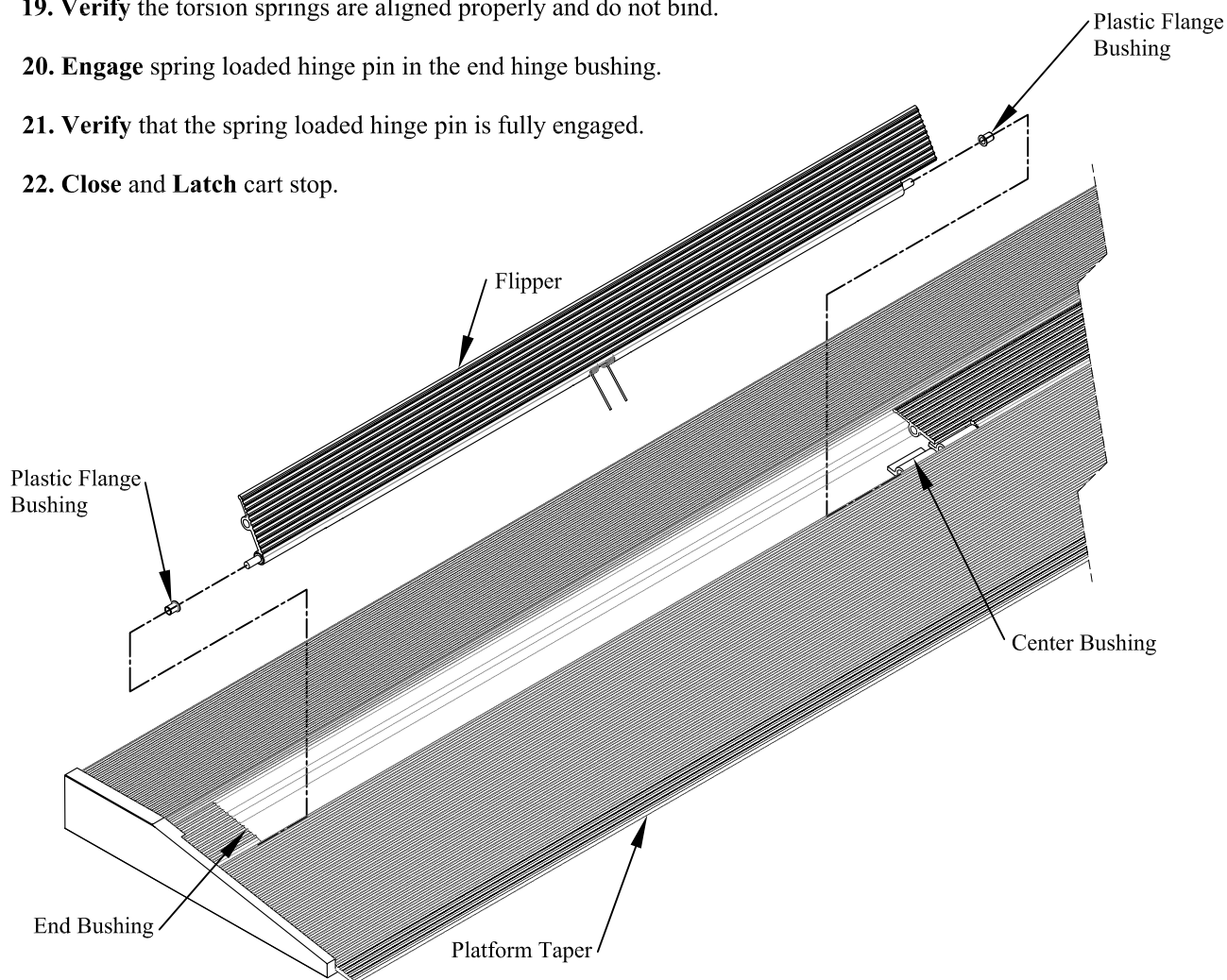


Figure 6: Assemble cart stop.

Finishing the Repair

23. **Connect** the liftgate power cable to the positive side of the battery or manually **Engage** the circuit breaker.
24. **Raise** and **Close** the platform.