

Replacing the Handbrake on the Traversa Transport Wheelchair



brodaseating.com

info@brodaseating.com

[1-844-552-7632](tel:1-844-552-7632)

Replacing the locking handbrake on the Traversa Wheelchair is a crucial repair for ensuring the safety and stability of the user.

The following step-by-step guide outlines how to replace the handbrake on a wheelchair.

Tools and Materials Needed:



Replacement handle-cable brake Kit and armrests from Broda



Phillips/Robertson No.2 Screwdriver to remove existing brake handle



4mm Allen key (hex key) for M5 bolt for both to remove cable from caliper as well as to mount new brake handle



Pliers and Wire Cutter to pull the brake cable

Step-by-Step Instructions:

1

PREPARE THE WHEELCHAIR

- A. Place the wheelchair on a flat, stable surface, such as a workbench or on the floor.
- B. Ensure that the wheelchair is not in use and is free from obstructions.
- C. Lock the wheels in place using the foot brake



For more information:

Please contact Broda Customer Care at 1-800-668-0637

2

REMOVE THE OLD HANDBRAKE

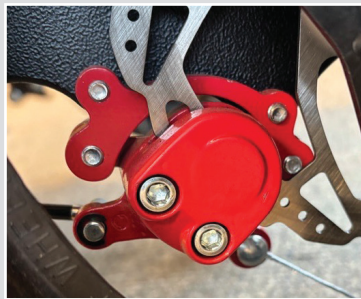
The brake consists of three parts:

1. The brake handle
2. The brake cable
3. The caliper (*connected to the brake drum*)

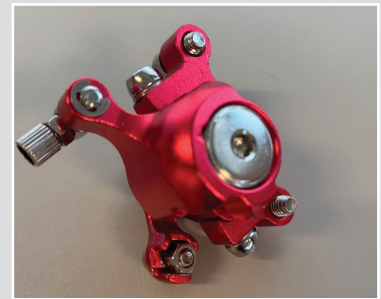
A. Disconnect the brake cable:



Remove the end cap pinched to the cable end using wire cutters.



CALIPER TYPE A



CALIPER TYPE B

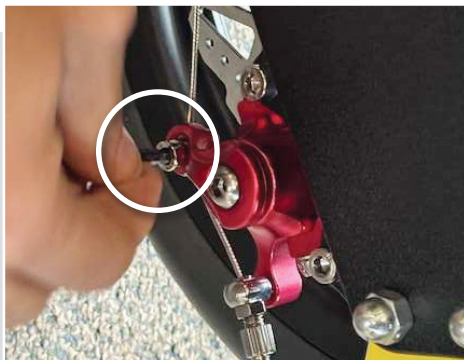


If using Caliper Type A

(see photo)

To disconnect the handbrake cable from the brake caliper, use a **10mm hex wrench** (or *pliers*) and remove the bolt so that cable becomes loose and pulls out easily.

Place nut and bolt aside to use afterward.



If using Caliper Type B

(see photo)

To disconnect the handbrake cable from the brake caliper, use a **4mm Allen key** to loosen bolt so that cable become loose and pulls out easily.

DO NOT take the bolt out all the way.

For more information:

Please contact Broda Customer Care at 1-800-668-0637

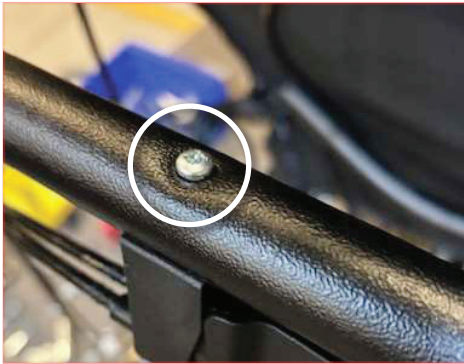
B. Remove Existing Handbrake Handle



brodaseating.com

info@brodaseating.com

[1-844-552-7632](tel:1-844-552-7632)



For the handbrake lever, unscrew #8 screw bolts using **No.2 Phillips/Robertson screwdriver** and remove the handle.

3

INSTALL THE NEW HANDBRAKE LEVER



Remove two M5 screws from securement bracket that came with the new brake lever.



Position the new handbrake lever where the old one was mounted or in the most convenient location on the same push bar of the back.



Align the screw holes with securement bracket and reattach screws to the lever wrapping 1" round tube.



Tighten the screws securely so that it holds its position and alignment.

DO NOT overtighten.

(Leave small gap as shown in photo.)

For more information:

Please contact Broda Customer Care at 1-800-668-0637

4

INSTALL THE NEW BRAKE CABLE



Route the cable along the frame as they were before or as shown in the pictures below, making sure it does not rub against other parts or become tangled.



Attach other end to the caliper same way by reversing the cable removal process (*depending on the type of caliper*).



Pass the cable through the small hole in the screw.



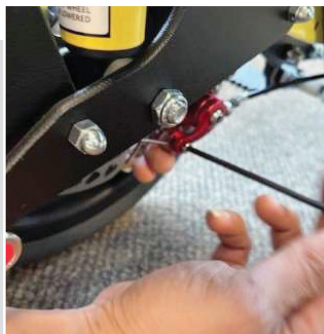
Then insert the screw through the hole in the caliper and thread the nut onto the opposite end (**DO NOT tighten it yet**) as shown in the illustration.



Pull the cable while holding the caliper lever toward the front of the wheelchair, adjust the tension for proper braking, and tighten the screw using a **10 mm hex wrench**.

For more information:

Please contact Broda Customer Care at 1-800-668-0637



Adjust the tension by pulling the cable tight (*use the pliers or wire cutters if needed to pull*) and by pushing caliper lever towards front of wheelchair and securing it in place by tightening nut or screw.

5

INSTALL NEW ARMRESTS

After installing the new handbrake, replace armrests with the updated FlexMount compatible armrests.



Detach the Velcro on the side arm cover. Then press the thumb-sized pin handles toward each other and remove the old armrest pad top assembly.



Press the thumb-sized pin handles toward each other and insert the armrest top to your desired height.

Ensure the overhanging side of the arm pad faces the outside of the seat, and the cover remains on the inside.



Press the yellow detent pin button and insert the brake handle assembly into the armrest. To remove it, press the buttons again and remove the assembly.

For more information:

Please contact Broda Customer Care at 1-800-668-0637

6

TEST THE HANDBRAKE SYSTEM

After installing the new handbrake, test its functionality by engaging and releasing the handbrake.

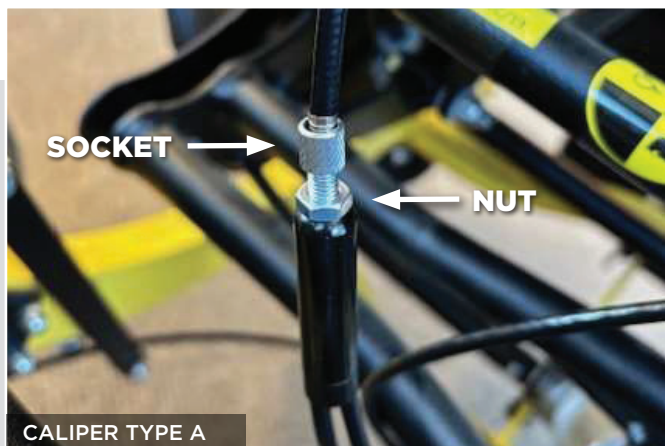


Check that the brake holds the wheelchair securely when the handbrake is engaged in the locked position.



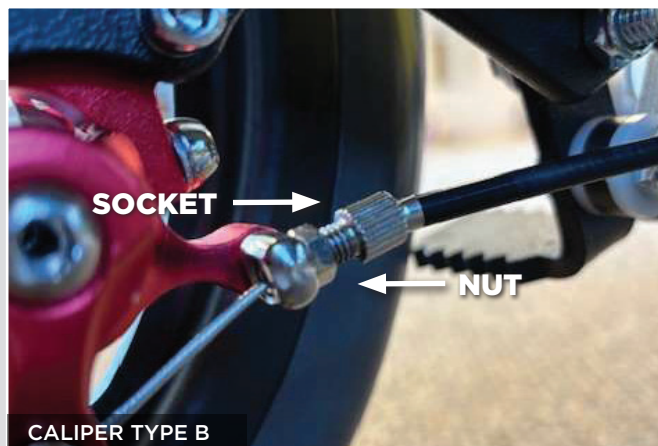
Flip the red tab up to place it in hold.

If the brake is too loose or too tight, adjust the tension on the cable by adjustment points shown in the pictures (at cable splitter and/or at brake calipers).



TO ADJUST THE TENSION TIGHTER

Loosen the nut and then unscrew the socket. Tighten the nut to secure it.



TO GIVE MORE SLACK TO THE CABLE

Loosen the nut and screw the socket in until correct tension is achieved.

For more information:

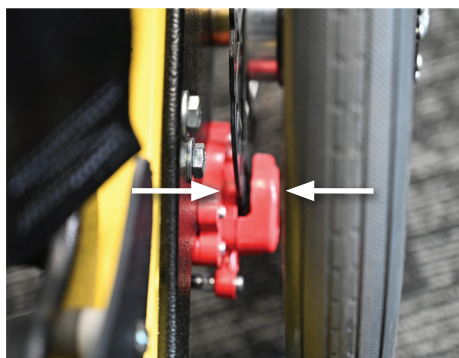
Please contact Broda Customer Care at 1-800-668-0637

7

CHECK FOR PROPER ALIGNMENT AND FUNCTION



With the wheelchair on a level surface, engage the handbrake and ensure that both sides of the wheelchair are held securely.



If the brakes are not functioning as expected, double-check the cable tension and make sure the brake pads are aligned properly with the brake rotor.

8

FINAL TESTING



Push the wheelchair forward and backward, engaging and releasing the handbrake to make sure it is effective.



Ensure that the handbrake can be easily operated and that it holds the wheelchair in place when engaged.

For more information:

Please contact Broda Customer Care at 1-800-668-0637