

Tread Brake Assembly Instructions



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*Handle, frame, nose plate, and wheels will vary based on the options selected at the time of purchase.

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Lower Brake Components

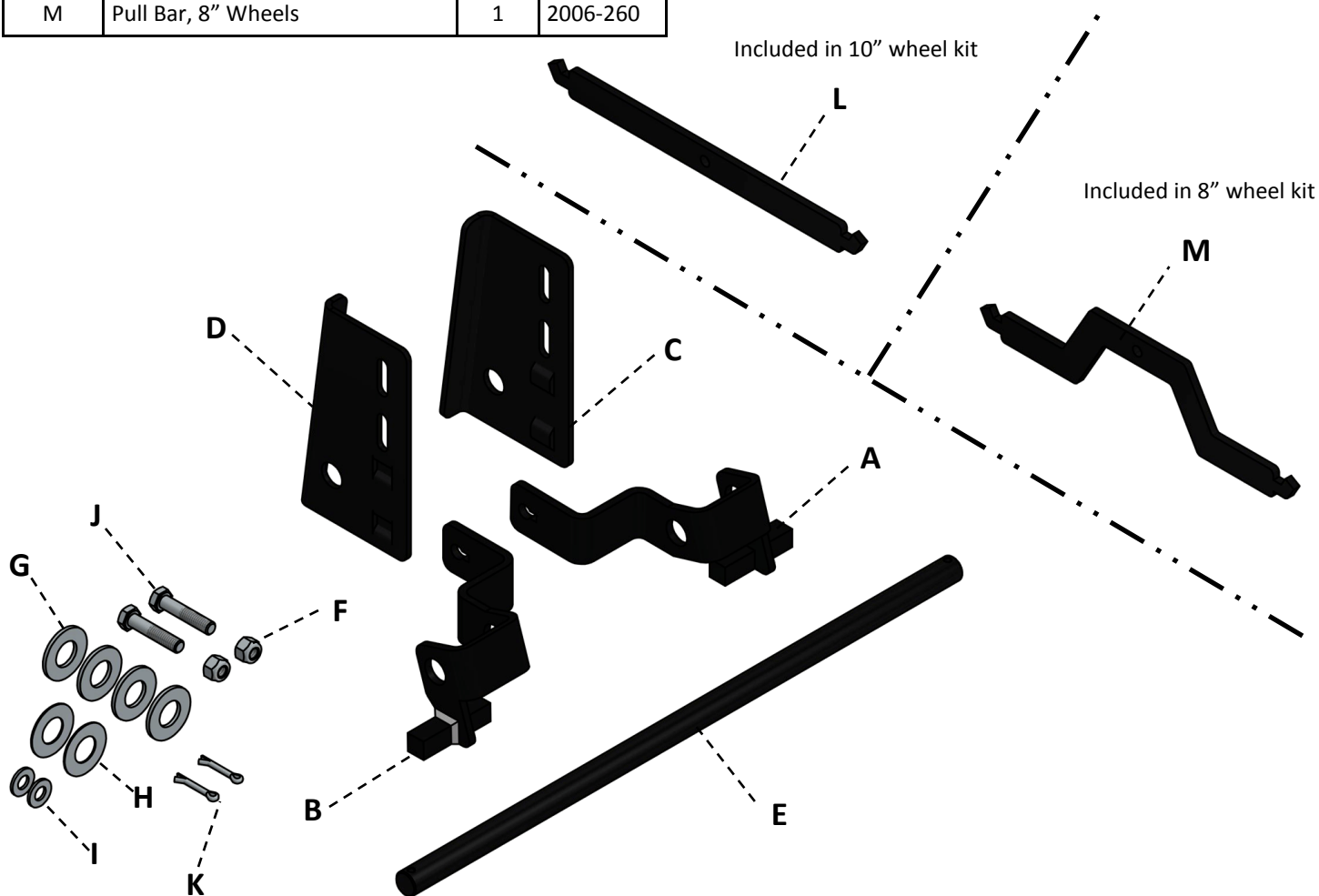
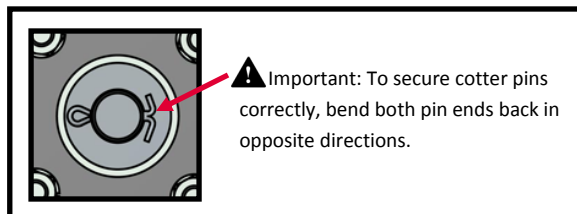
Item	Description	Qty.	Part No.
A	Tread Brake Shoe, LH	1	2006-137
B	Tread Brake Shoe, RH	1	2006-138
C	Mount Plate, LH	1	2006-203
D	Mount Plate, RH	1	2006-204
E	Tread Brake Axle	1	2006-207
F	Nut, 5/16"-18	2	8001-005
G	Thick Washer, 5/8"	4	8003-010
H	Thin Washer, 5/8"	2	8078-010
I	Washer, 5/16"	2	8003-005
J	Hex Head Bolt, 5/16"-18 x 1-1/2"	2	8007-020
K	Cotter Pin	2	8008-003
L	Pull Bar, 10" Wheels	1	2006-255
M	Pull Bar, 8" Wheels	1	2006-260

Tools Required:

(2) 1/2" wrench/socket

(1) Needle nose pliers

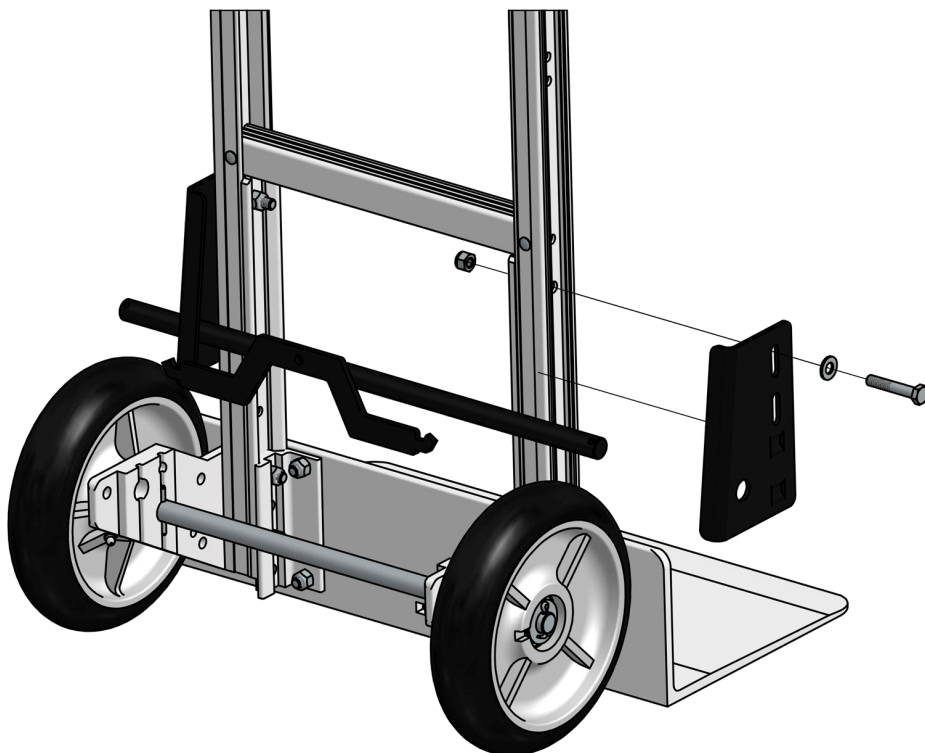
(1) Tape measure



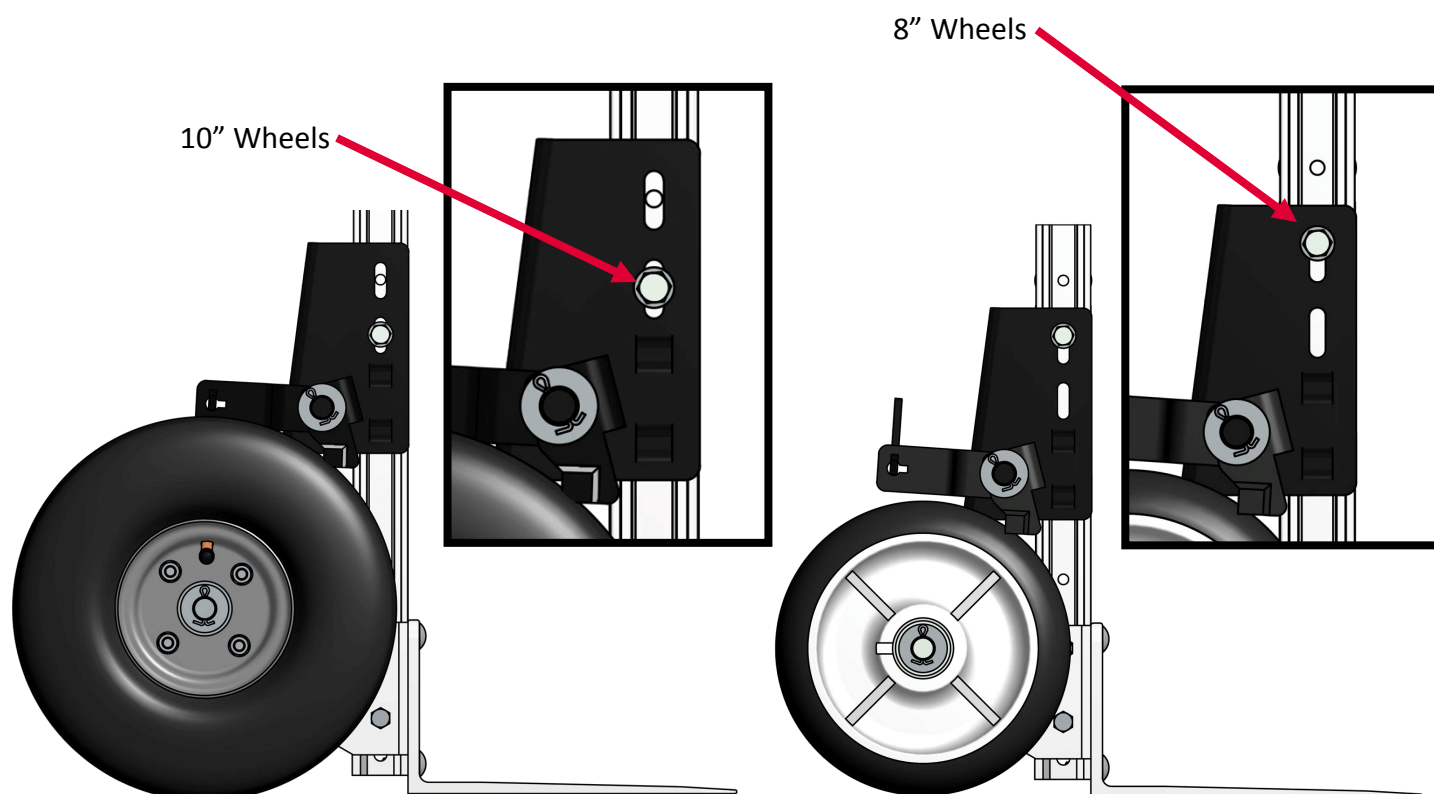
Lower Brake Components

1. To add tread brakes to your hand truck remove the nuts and bolts from the top hole of the stiffener channel/frame and discard.

*Note: Installation will vary between 8" and 10" wheels.

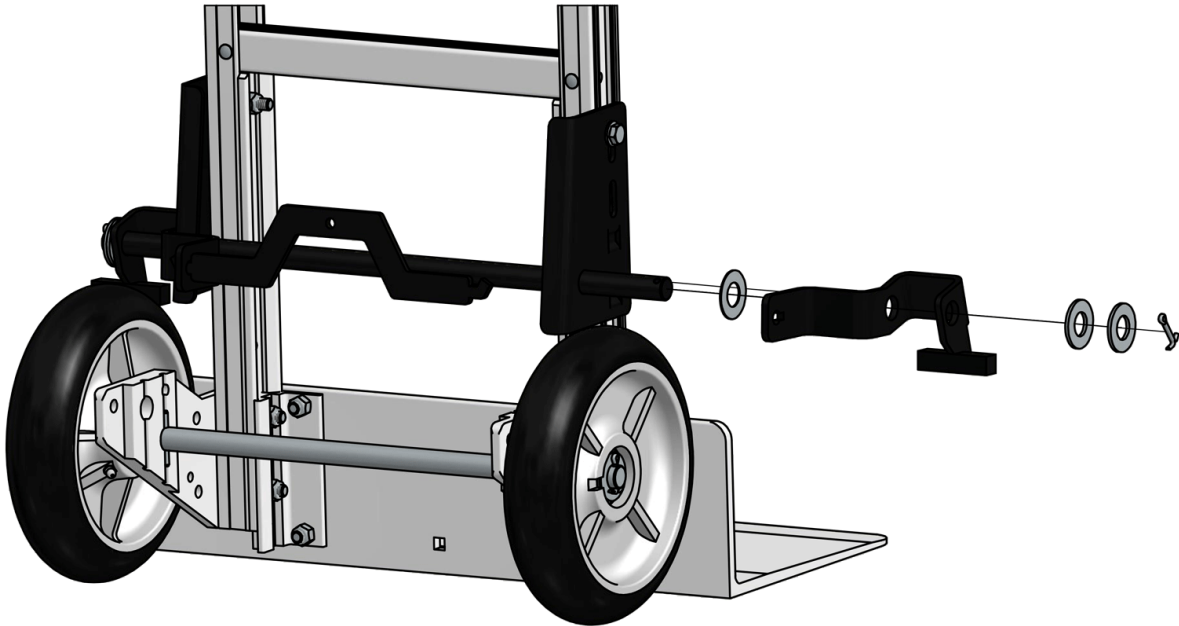


2. Attach the RH and LH brake mount plates (C, D) to the outside of the frame, mounting through the upper stiffener channel with nuts (F) and bolts (J), do not tighten completely. For 8" wheels use the upper slot in the mounting plate, for 10" wheels use the lower slot.

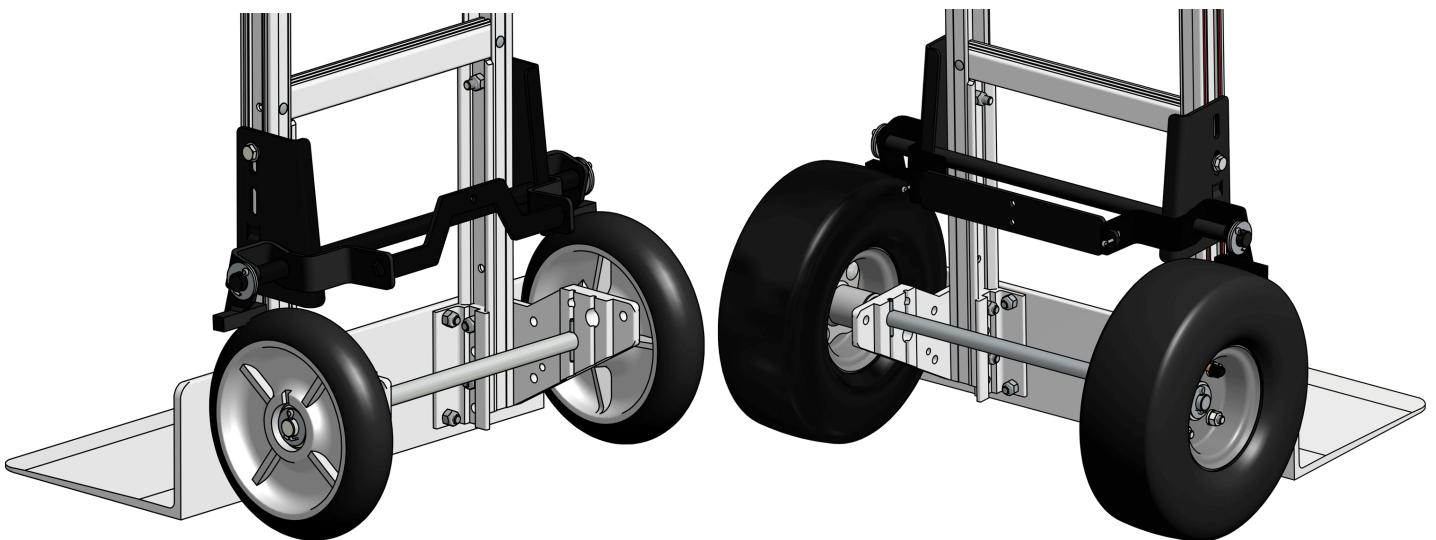


Lower Brake Components

3. Pass the tread brake axle (E) thru both mounting plates. Assemble the left side shoe; slide 1 thin washer (H), the LH brake shoe (A), and 2 thick washers (G) on to the left side of the brake axle, secure with a cotter pin (K). Repeat for the right side shoe (B), omitting the cotter pin until later.



4. Slide the brake shoes apart enough to insert the pull bar (L or M) between the mounting tabs on the brake shoes. Then secure the right side of the brake axle with a cotter pin (K).

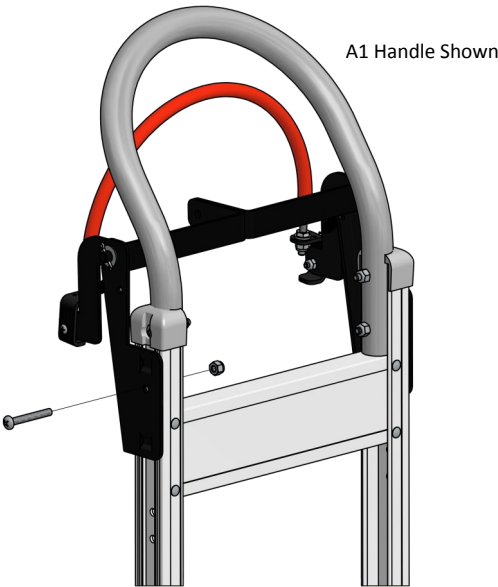
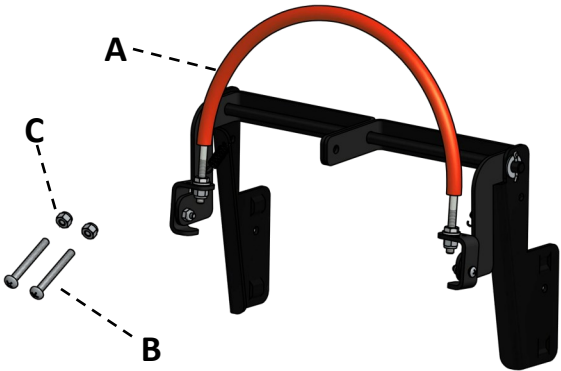


5. Lastly adjust the mounting plate height until brake shoes are 1/16" from each wheel and tighten mounting bolts.

Cable Brake Handle Components

Loop Handles

Item	Description	Qty.	Part No.
A	Loop Handle Brake Assembly	1	2006-109
B	Pan Head Screw, 1/4"-20 x 2-1/4"	2	8068-014
C	Lock Nut, 1/4"-20	2	8001-004



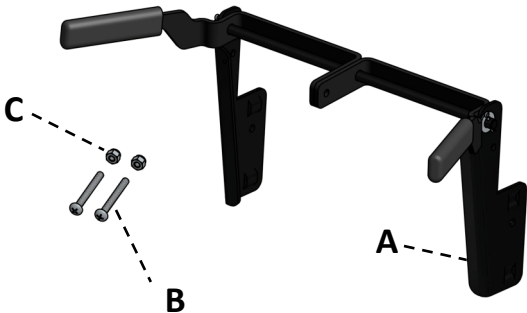
Tools Required:

- (1) #2 Phillips screwdriver
- (1) 7/16" wrench/socket

1. Remove existing handle fasteners from the 2 lower holes of handle/frame and discard.
2. Secure loop handle brake assembly (A) to frame/handle using 1/4"-20 x 2-1/4" screws (B) and nuts (C) provided, aligning the mount plate in the frame channel and adjusting the height of the grip as needed.

Double Grip Handles

Item	Description	Qty.	Part No.
A	Double Grip Handle Brake Assembly	1	2006-105
B	Pan Head Screw, 1/4"-20 x 2-1/4"	2	8068-014
C	Lock Nut, 1/4"-20	2	8001-004



Tools Required:

- (1) #2 Phillips screwdriver
- (1) 7/16" wrench/socket

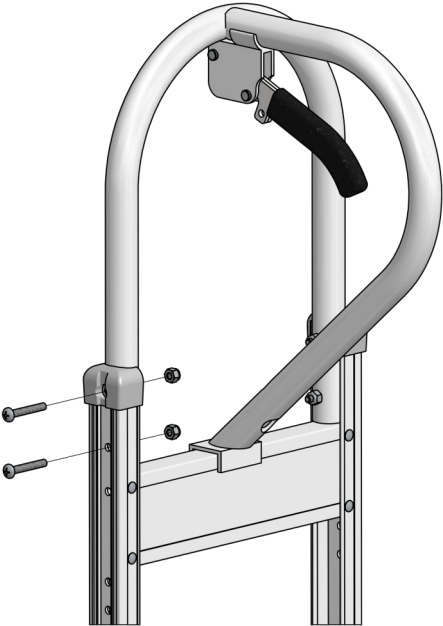
1. Remove existing handle fasteners from the 2 lower holes of handle/frame and discard.
2. Secure double grip handle brake assembly (A) to frame/handle using 1/4"-20 x 2-1/4" screws (B) and nuts (C) provided, aligning the mount plate in the frame channel and adjusting the height of the grip as needed.

Cable Brake Handle Components

Vertical Grip Handles

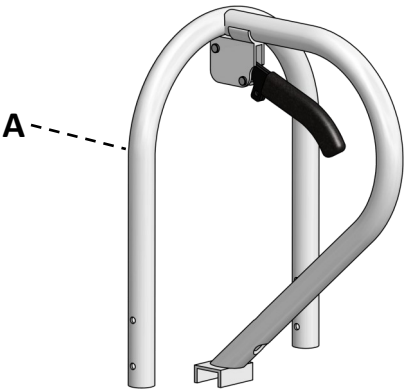
Item	Description	Qty.	Part No.
A	Vertical Grip Handle with Brake	1	Various*

A7 Handle Shown



Tools Required:

- (1) #2 Phillips Screwdriver
- (1) 7/16" wrench/socket



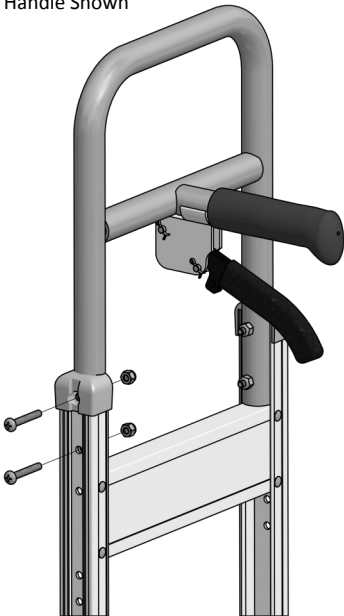
* Handle part number and size will vary based on the option ordered.

1. Remove existing handle fasteners and handle, saving nuts and bolts.
2. Attach new vertical grip handle with brake (A) to frame with previously removed nuts and bolts.

Single Grip Handles

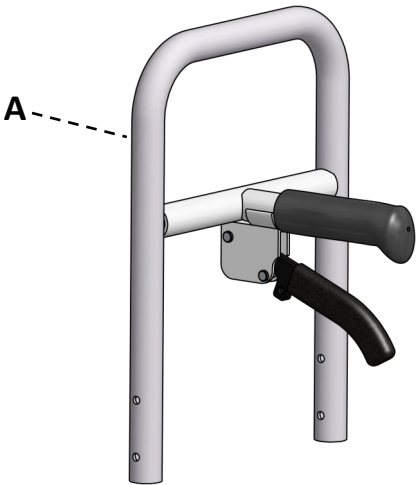
Item	Description	Qty.	Part No.
A	Single Grip Handle with Brake	1	Various*

A3 Handle Shown



Tools Required:

- (1) #2 Phillips Screwdriver
- (1) 7/16" wrench/socket



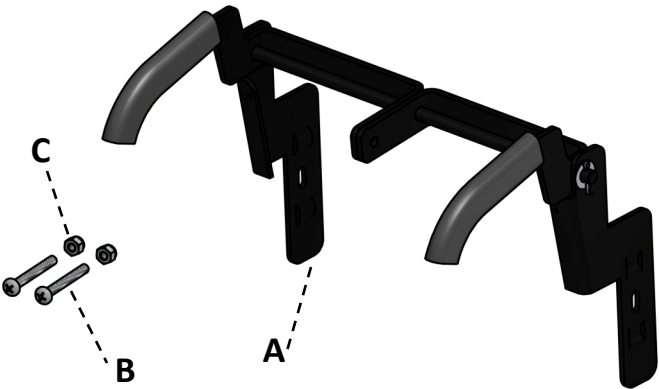
* Handle part number and size will vary based on the option ordered.

1. Remove existing handle fasteners and handle, saving nuts and bolts.
2. Attach new single grip handle with brake (A) to frame with previously removed nuts and bolts.

Cable Brake Handle Components

Double Vertical Grip Handles

Item	Description	Qty.	Part No.
A	Double Vertical Grip Handle Brake Assembly	1	2006-122
B	Pan Head Screw, 1/4"-20 x 2-1/4"	2	8068-014
C	Lock Nut, 1/4"-20	2	8001-004

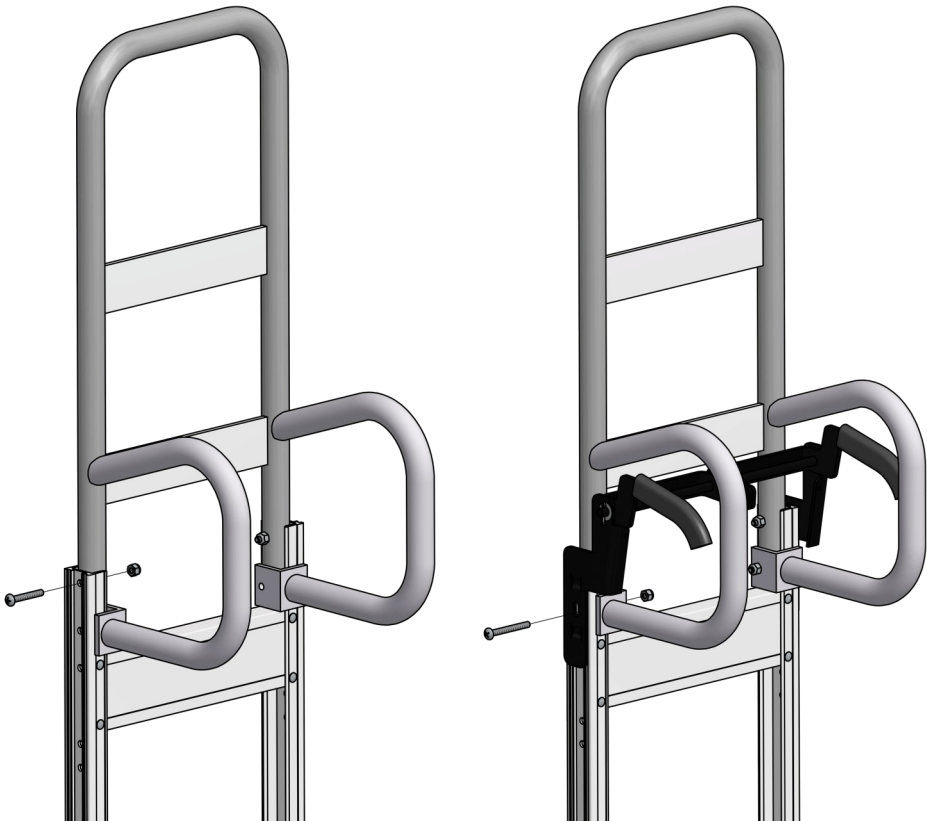


Tools Required:

- (1) #2 Phillips Screwdriver
- (1) 7/16" wrench/socket

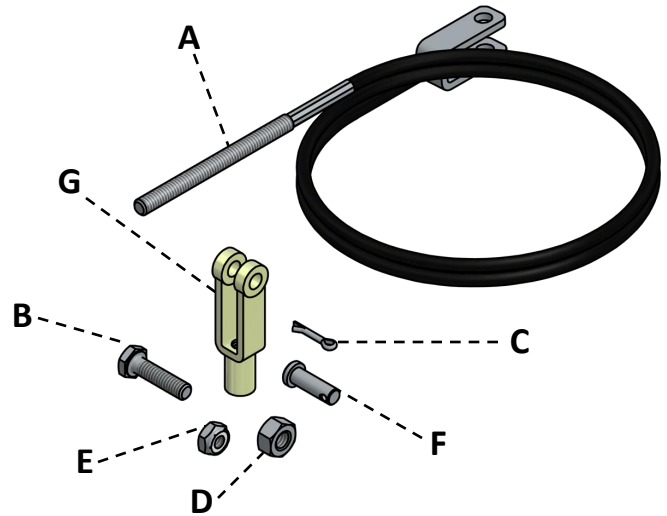
1. Remove existing handle fasteners from the handle/frame. Remove grey frame caps and discard, reattach nuts and bolts in the upper holes of the handle/frame.
2. Secure double vertical grip handle brake assembly (A) to frame/handle using 1/4"-20 x 2-1/4" screws (B) and nuts (C) provided, aligning the mount plate in the frame channel and adjusting the height of the grip as needed.

A57S Handle



Brake Cable Components

Item	Description	Qty.	Part No.
A	Brake Cable	1	Various*
B	Hex Head Screw, 1/4-20 x 1"	1	8007-002
C	Cotter Pin, Small	1	8008-003
D	Nut, 1/4"-20	1	8020-004
E	Jam Nut, 1/4"-20	1	8055-004
F	Clevis Pin	1	8211-003
G	Yoke	1	8217-002

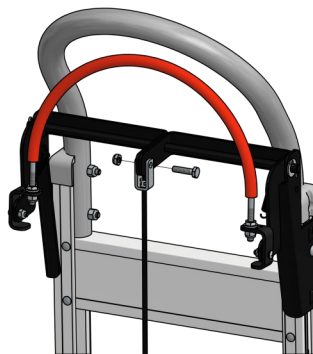


* Brake cable part number and size will vary based on the option ordered.

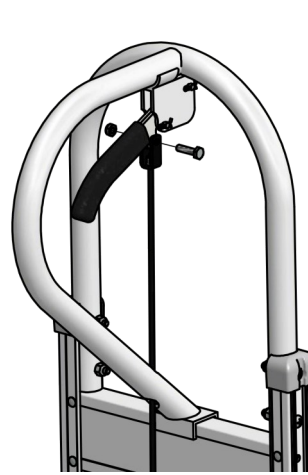
1. Attach brake cable (A) to the brake handle with bolt (B) and jam nut (E). Assembly will vary slightly based on the handle style. For vertical grip handles drop the cable through the hole in the handle before attaching to the lower assembly.

Tools Required:

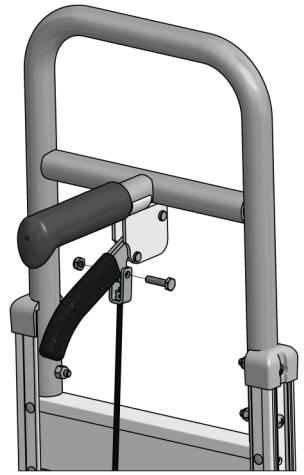
- (1) Needle nose pliers
- (2) 7/16" wrench/socket



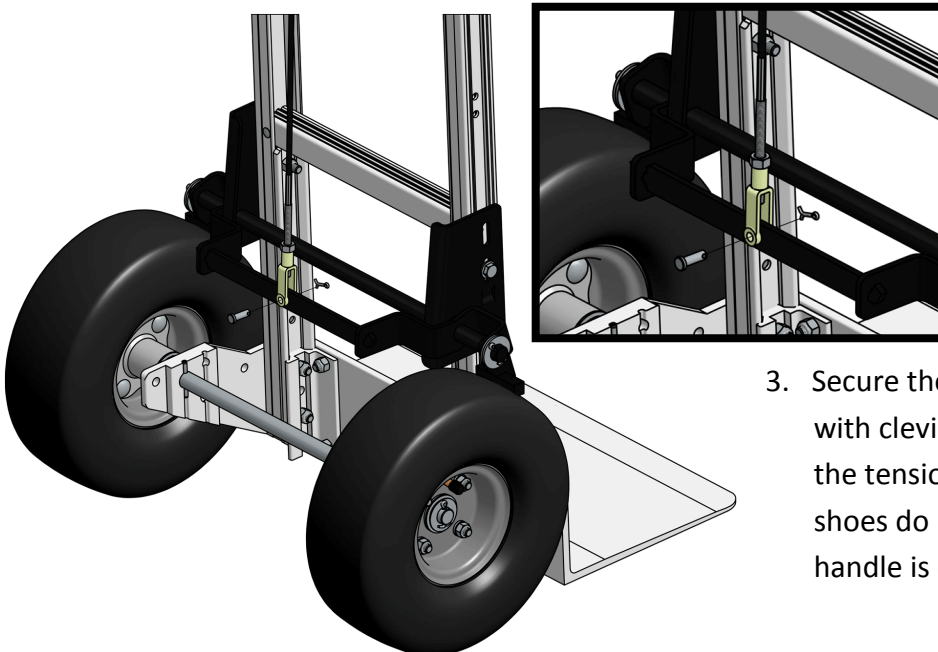
Bracket mounted brake handle



Vertical grip style brake handle



Single grip style brake handle



2. Thread nut (D) and yoke (G) on to the end of the cable assembly, threading until the yoke end aligns with the lower brake pull bar.

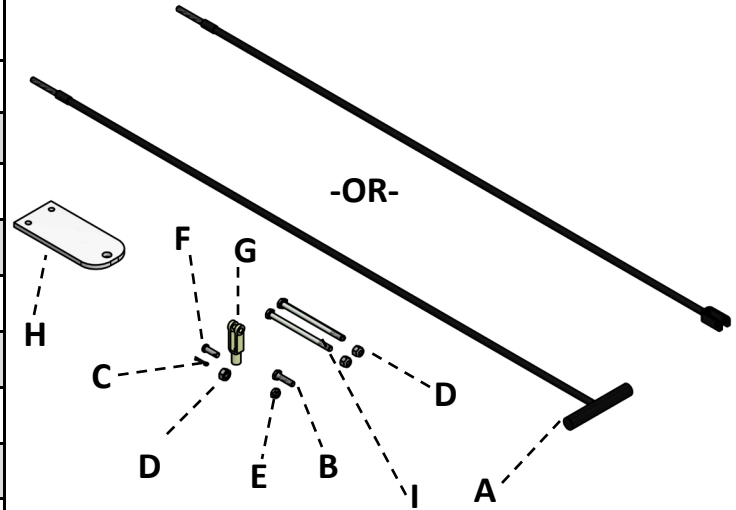
3. Secure the brake cable to the lower pull bar with clevis pin (F) and cotter pin (C). Adjust the tension on the cable to ensure the brake shoes do not touch the wheels until the brake handle is engaged.

Tee Handle Brake Assembly

Item	Description	Qty.	Part No.
A	Tee Handle	1	Various**
B	Hex Head Screw, 1/4-20 x 1"	1	8007-002*
C	Cotter Pin, Small	1	8008-003
D	Nut, 1/4"-20	1 or 3	8020-004*
E	Jam Nut, 1/4"-20	1	8055-004*
F	Clevis Pin	1	8211-003
G	Yoke	1	8217-002
H	Tee Handle Bracket	1	2006-716*
I	Hex Head Screw, 1/4-20 x 4"	2	8007-029*

* Kit contents will vary based on the handle configuration ordered.

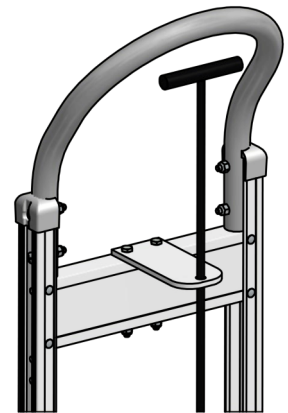
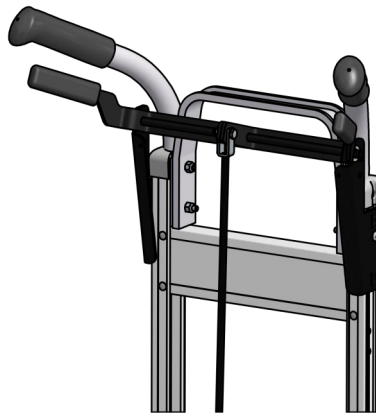
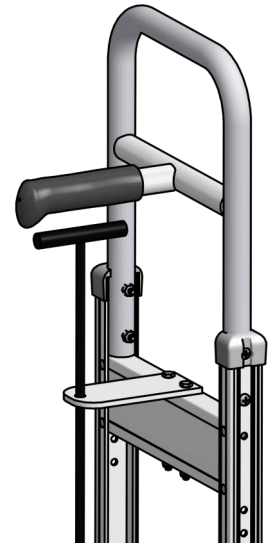
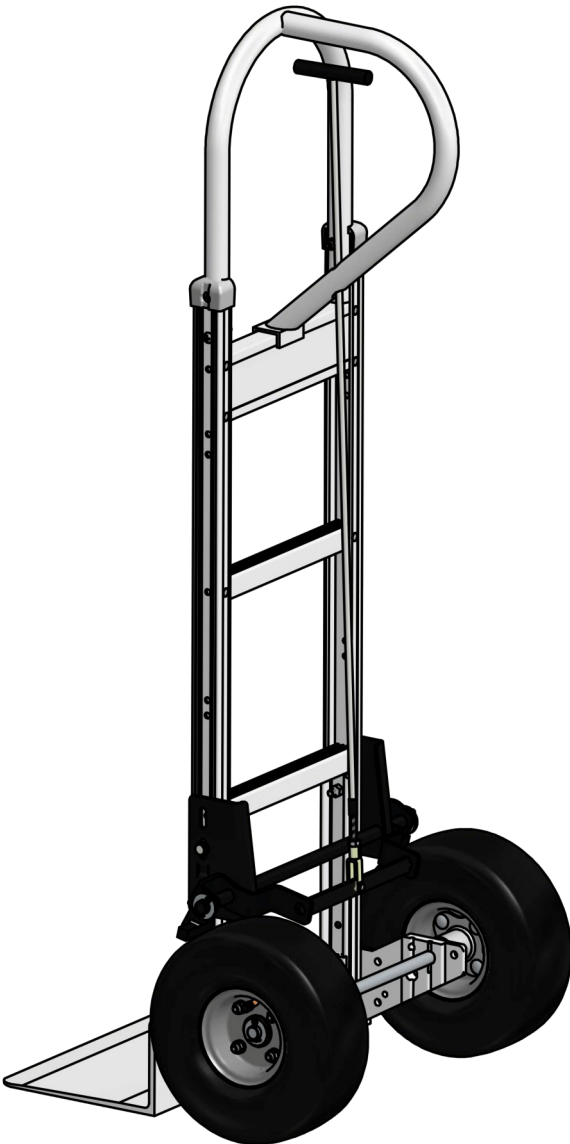
** Tee handle part number and length will vary based on the option ordered.



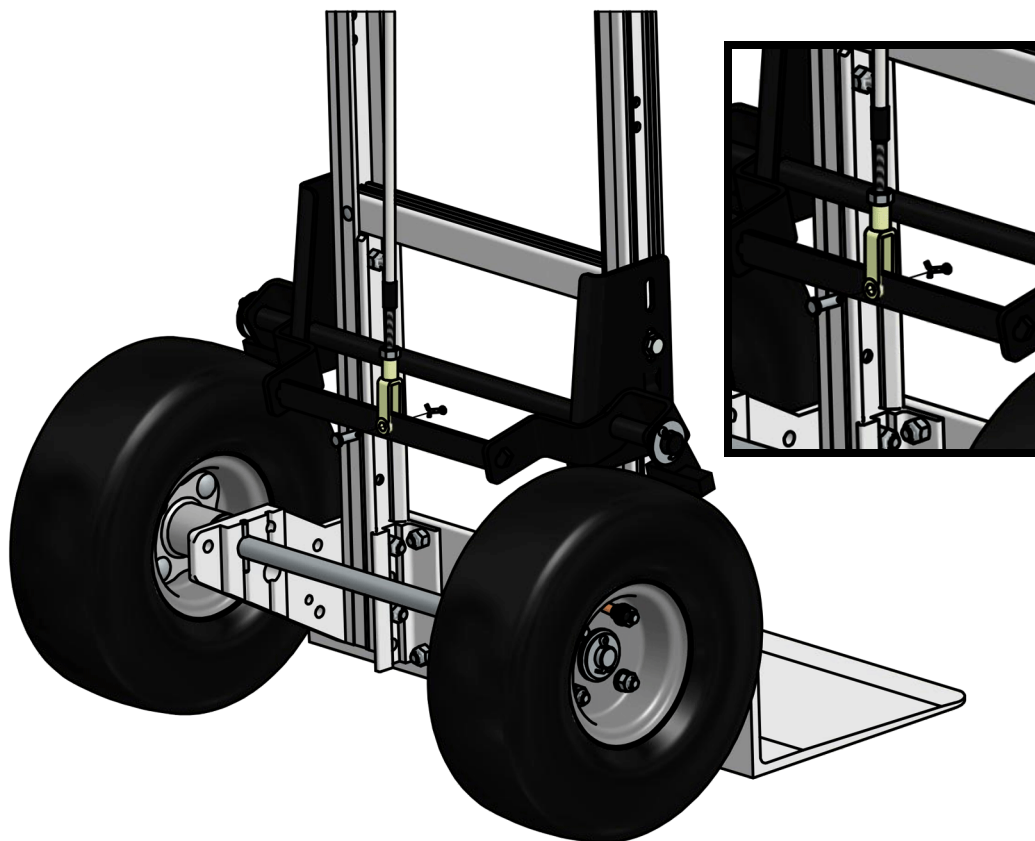
Tools Required:

- (1) Needle nose pliers
- (2) 7/16" wrench/socket

1. To attach a tee handle to tread brakes on a Liberator hand truck, first pass the tee handle (A) thru the hole in the frame bracket (H) or the hole in the vertical grip from the top. If bracket (H) is supplied, attach it to the frame with bolts (I) and nuts (D) before passing the tee handle thru the bracket.
2. For hand trucks with lever style brake grips attach the top of the rod to the lever with bolt (B) and nut (E).



Tee Handle Brake Assembly



3. Thread nut (D) and yoke (G) on to the end of the tee handle (A), threading until the yoke end aligns with the lower brake pull bar.
4. Secure the tee handle to the lower pull bar with clevis pin (F) and cotter pin (C). Adjust the height of the tee handle to ensure the brake shoes do not touch the wheels until the brake handle is engaged.

Brake Adjustments

After extensive use adjustments may be needed to compensate for component and tread wear.

1. Loosen the mounting plate bolts and adjust the plate height until brake shoes are $1/16''$ from each wheel and retighten mounting bolts.
2. Additional adjustment can be made by shortening the length of the brake cable/tee handle by adjusting the height of the yoke/nut connecting the cable to the pull bar.

Mounting plate adjustment

Cable/ tee handle length adjustment

