



Assembly Instructions for System  
Chainbox Floor Lock

**Aurora Mobile Mechanical Assist**



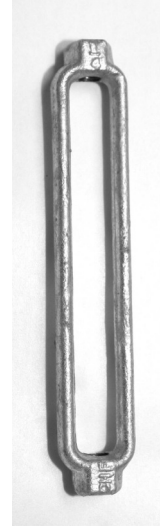
**Parts Identification**



Lock Bar



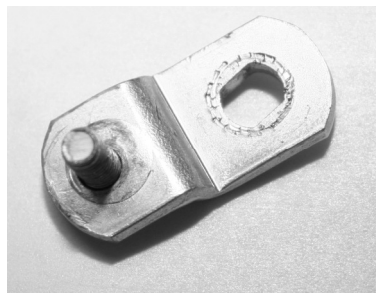
Lock Rod



Turnbuckle



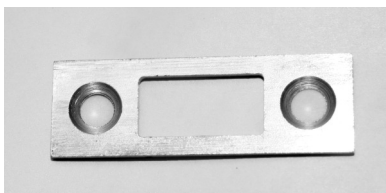
Medeco® Lock



Lock Cam



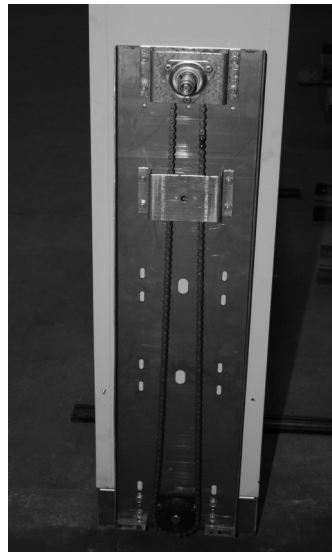
Locknut



Strike Plate

## Installation

1. Assemble the chainbox to the carriage according to the mobile base instructions. (Fig. 1) The chainbox used with the Chainbox Floor Lock is 9 inches wide.



**Fig. 1**

2. Install a 1/4-20 lock nut on the floor lock bar. Assemble the turnbuckle to the lock bar. Install a 1/4-20 lock nut on the floor lock rod and install the floor lock rod in the turnbuckle as shown (Fig.2). One lock nut has left hand threads; one lock nut has right hand threads.



**Fig. 2**

3. Install the lock in the end panel and secure using a  $\frac{3}{4}$  -24 nut. (Fig. 3). The lock must turn to the right  $\frac{1}{2}$  turn to lock. The lock must turn to the left  $\frac{1}{2}$  turn to unlock.



**Fig. 3**

4. Install the lock cam to the lock with the M7-1mm nut and internal tooth lock washer. (Fig 4). The lock cam should be up when unlocked.



**Fig. 4**

5. Place the end panel near the carriage. Place the bottom of the lock bar through the slot in the bottom of the chainbox. (Fig. 5)



**Fig. 5**

6. Install the lock rod to the lock cam with a #10-32 lock nut. (Fig. 6) Do not tighten completely because the lock must turn after nut is installed.



**Fig. 6**

7. Adjust the turnbuckle so that the lock bar clears the floor when unlocked and engages the lock keeper when locked. (Lock keeper will be installed in step 9.) Tighten both lock nuts on the turnbuckle.

8. Install the end panel according to the mobile base instructions.

9. Move the carriage to the position where it is to be locked. Turn the key so that the lock bar touches the floor. Mark the position of the lock bar on the floor. Put a hole in the floor to clear the lock bar. Install the lock keeper to the floor over the hole.