

Adjusting Lifting Chains (all stair climbing units)



QUICK TIP: Removing the gearbox from the StairCAT® will make it easier to adjust the lifting chains. Using a 15/16" end wrench, remove the axle bolts by first backing off the axle bolt jam nuts. Then use a 7/16" end wrench to remove the 4 bolts securing the top of the steel side plates of the gear box. The stair climbing gear box will then remove as one complete assembly.

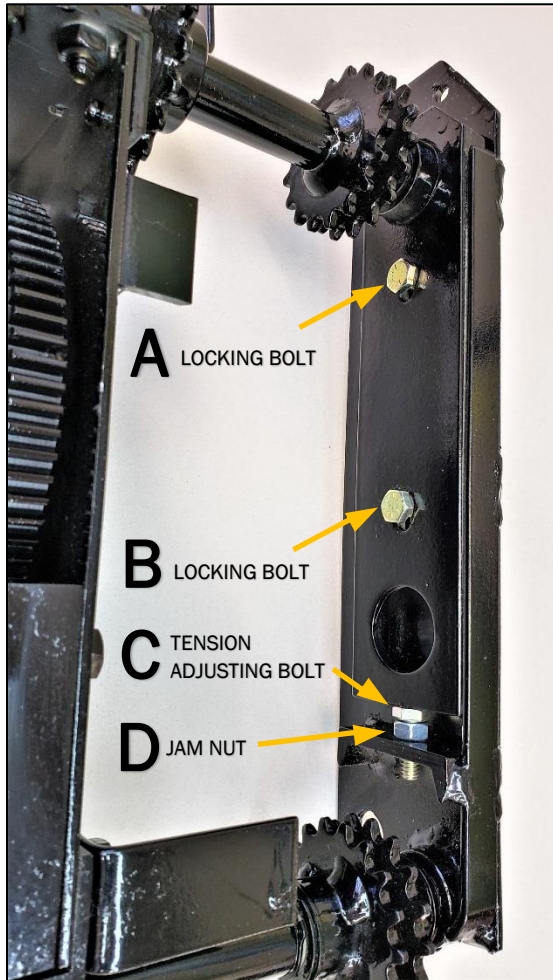


FIG. 15.1 – LIFTING CHAIN ADJUSTING CHANNEL

*Note: Chain has been removed for image purposes.
Adjustment must be made with Lift Chain installed.*

1. Loosen (do not remove) the Chain Adjusting Channel Locking Bolts (A & B) using a 7/16" end wrench.

NOTE: Older 700 lb capacity units may have only one locking bolt per side.

2. Loosen the Jam Nut (D) then adjust the Lift Chain tension by turning the Tension Adjusting Bolt (C). The Lift Chain should be adjusted to no more than .25" infection.
3. Once you have set the tension on the Lift Chain, tighten down the Jam Nut (D) to secure the Tension Adjusting Bolt.
4. Tighten the Chain Adjusting Channel Locking Bolts (A & B) to secure the Chain Adjusting Channel.
5. Repeat this process for both the left and right side Lift Chains making sure the tension is the same on both sides.
6. Regularly check the operation of your StairCat® and re-adjust when necessary.



QUICK TIP: Contact Escalera if you have any questions regarding your repair. If any repair is beyond your skill level, factory service is available.