2-Foot Rail Extension
For Use with HCI-12 12-foot "I-beam" Rail

Installation Instructions

1. PRODUCT DESCRIPTION
The Model HCI+2 2-foot "I-rail" extension is designed to be compatible with the Model HCI-12 12-foot chain-drive "I-rail" used in commercial garage door installations and in carriage house garage door installations. The 2-foot extension, when added to the 12-foot "I-rail", provides a 14-foot long rail for operating high-lift doors. The kit includes two "T-rail" sections that bolt together to form an "I-rail" and connect to the main "I-rail" using two reinforcing straps. The kit also includes two short lengths of chain to extend the stock chain.

IMPORTANT NOTE:
Linear's pre-assembled chain-drive rails are now being produced configured for quieter operation with the trolley traveler located next to the turnbuckle (turnbuckle adjacent). Earlier chain rails have the trolley traveler located on one side of the rail, and the turnbuckle located on the other side of the rail (turnbuckle opposite). This extension kit will work for both types of rail configurations. When using this extension with the turnbuckle adjacent rails, connect the two short lengths of extension chain supplied together to form one longer chain, and attach that chain to the non-traveler side of the turnbuckle. See Steps 15 & 16. When using this extension kit with the older rails, attach a short extension chain to each side of the turnbuckle. See Steps 15 & 16.

2. KIT CONTENTS
- BOTTOM RAIL SECTION
- TOP RAIL SECTION
- REINFORCING STRAPS (2)
- EXTENSION CHAINS (2)
- 1/4-20 KEPS NUTS (5)
- 1/4-20 x 13/16" CARRIAGE BOLTS (5)

3. LOOSEN AND DISASSEMBLE TURNBUCKLE
- TURNBUCKLE ADJACENT RAIL HAS TRAVELER NEXT TO TURNBUCKLE
- TURNBUCKLE OPPOSITE RAIL HAS TRAVELER ON ONE SIDE AND TURNBUCKLE ON THE OTHER SIDE

4. REMOVE SPROCKET
- AFTER THE CHAIN IS LOOSENED, REMOVE THE SPROCKET HOLDER FROM THE END OF THE RAIL

5. REMOVE RAIL BOLT
- LOOSEN THE NUTS AND REMOVE THE TWO END BOLTS ON THE RAIL
- NOTE: BE SURE AND KEEP THE NUTS AND BOLTS, THEY WILL BE USED AGAIN LATER

6. IDENTIFY TOP AND BOTTOM EXTENSION RAILS
- INSTALL STRAPS ON BOTH SIDES OF I-RAIL
- INSTALL BOLT AND NUT IN FIRST SLOT
- INSTALL BOLT AND NUT IN THE SECOND SLOT

7. ALIGN REINFORCING STRAPS
- USE 1/4-20 x 13/16" BOLTS AND KEPS NUTS SUPPLIED
- INSTALL BOLT AND NUT IN FIRST SLOT
- FIT BOTTOM RAIL SECTION BETWEEN THE TWO REINFORCING STRAPS
- BE SURE ALL THE SLOTS ARE ALIGNED
- RAIL EDGES MUST LINE UP FOR SMOOTH TROLLEY OPERATION
- NOTCH ON THE BOTTOM RAIL WILL BE ON THIS END, BUTTING UP TO THE NOTCH ON THE STOCK I-RAIL

8. INSTALL FIRST TWO STRAP BOLTS
- USE 1/4-20 x 13/16" BOLTS AND KEPS NUTS SUPPLIED
- INSTALL BOLT AND NUT IN FIRST SLOT
- FIT BOTTOM RAIL SECTION BETWEEN THE TWO REINFORCING STRAPS
- BE SURE ALL THE SLOTS ARE ALIGNED
- RAIL EDGES MUST LINE UP FOR SMOOTH TROLLEY OPERATION
- NOTCH ON THE BOTTOM RAIL WILL BE ON THIS END, BUTTING UP TO THE NOTCH ON THE STOCK I-RAIL

9. PLACE BOTTOM EXTENSION RAIL BETWEEN STRAPS

10. ALIGN TOP EXTENSION RAIL BETWEEN STRAPS
- INSTALL THE LAST TWO BOLTS AND NUTS THROUGH THE REINFORCING STRAP SLOTS

11. INSTALL REMAINING TWO STRAP BOLTS
- INSTALL BOLT AND NUT IN FIRST SLOT
- FIT THE TOP RAIL SECTION BETWEEN THE STRAP ON THIS SIDE AND THE BOTTOM RAIL SECTION
- BE SURE ALL THE SLOTS ARE ALIGNED
- RAIL EDGES MUST LINE UP

- NOTE: ONE SIDE OF THE TURNBUCKLE IS LEFT-HAND THREAD, THE OTHER SIDE IS RIGHT-HAND THREAD
- FOR EITHER RAIL TYPE, UNSCREW AND REMOVE EACH END FROM THE TURNBUCKLE

- BOTTOM RAIL HAS NOTCH ON CORNER!
- LINE UP SLOTS ON THE REINFORCING STRAPS WITH THE SLOTS ON THE STOCK I-RAIL

- REINFORCING STRAP #1
- REINFORCING STRAP #2

- USE 1/4-20 x 13/16" BOLTS AND KEPS NUTS SUPPLIED

- NOTE: BOTTOM RAIL HAS NOTCH ON CORNER!

- BOTTOM RAIL SECTION
- TOP RAIL SECTION

- NOTE: BOTTOM RAIL HAS NOTCH ON CORNER!

- BOTTOM RAIL SECTION
- TOP RAIL SECTION

- TURNBUCKLE ADJACENT RAIL HAS TRAVELER NEXT TO TURNBUCKLE
- TURNBUCKLE OPPOSITE RAIL HAS TRAVELER ON ONE SIDE AND TURNBUCKLE ON THE OTHER SIDE

- TOP RAIL SECTION
- BOTTOM RAIL SECTION

- Note: One side of the turnbuckle is left-hand thread, the other side is right-hand thread.
- For either rail type, unscrew and remove each end from the turnbuckle.

- Reinforcing strap #1
- Reinforcing strap #2

- Use 1/4-20 x 13/16" bolts and nuts supplied.

- Note: bottom rail has notch on corner.

- Bottom rail section
- Top rail section
12. INSTALL FINAL BOLT

Install the last bolt and nut into the end slot.

13. REPOSITION THE TROLLEY STOP BOLT

Reposition the trolley stop bolt and nut from the stock I-Rail.

14. TIGHTEN ALL BOLTS

Be sure to tighten all the bolts on the extension rail assembly.

15. REMOVE CHAIN FROM TURNBUCKLE

Turnbuckle adjacent rails: remove the master link and disconnect the chain from the non-traveler end of the turnbuckle.

Turnbuckle opposite rails: remove the master links and disconnect the chain from both ends of the turnbuckle.

16. ADD SHORT CHAINS TO TURNBUCKLE

New rails: connect the two short extension chains to each other, then connect the combined extension chain between the turnbuckle eye-bolt and the stock chain.

Earlier rails: connect the two short extension chains to each end of the stock chain, then connect the chain to each of the turnbuckle eye-bolts.

17. REASSEMBLE TURNBUCKLE

Reassemble the turnbuckle after adding the extension chains.

18. REINSTALL SPROCKET

Slip the sprocket holder onto the end of the extension rail.

Set the trolley distance from the pulley bracket.

19. SET TROLLEY POSITION

The trolley must rest 4 to 6 inches from the pulley bracket to match the pre-set limits in the operator.

20. ADJUST SPROCKET POSITION

Align flat on sprocket this direction to match flat on operator shaft.

Be sure to keep the trolley at 4-6 inches from the pulley bracket as shown in step 19.

21. ADJUST CHAIN TENSION

Adjust the chain tension with the turnbuckle.

Align flat on sprocket this direction to match flat on operator shaft.

Be sure to keep the trolley at 4-6 inches from the pulley bracket as shown in step 19.

22. TIGHTEN TURNBUCKLE LOCKNUTS

Hold screwdriver in turnbuckle slot.

Tighten the two turnbuckle locking nuts.

Note: one side of the turnbuckle is left-hand thread, the other side is right-hand thread.

LIMITED WARRANTY

This product is warranted to the original consumer against defects in material and workmanship for five (5) years. Linear will repair, or at its option, replace, any device that it finds requires service under this warranty, and will return the repaired or replaced device to the consumer at Linear’s cost. Devices must be sent to Linear for service at owner’s expense. This warranty does not apply to damage to the product from negligence, abuse, abnormal usage, misuse, accidents, normal wear or tear or due to failure to follow Seller’s instructions, or arising from improper installation, storage or maintenance. In no event will Linear be responsible for incidental, compensatory, punitive, consequential, indirect, special or other damages. The remedies provided by this warranty are exclusive. Some states do not allow the exclusion or limitation of incidental and consequential damages, so the above limitation or exclusion may not apply to you. Any warranties implied by law are limited to the time periods set forth above. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.