

Staying Home Corporation

1503 Vine Street
P.O. Box 37
Harrisonville, MO 64701
816.380.2427
www.stayinghome.com



Legacy Installation Manual

I. PRELIMINARY CHECKS

A. INSTALLATION SITE REQUIREMENTS

- 115 VAC, 60 Hz, 3-wire grounded outlet within 6' of the top or bottom of the staircase
 - * Some states may require dedicated outlet
- Stair angle between 25° and 45°.
- Indoor installation.

B. INCLUDED WITH SHIPMENT

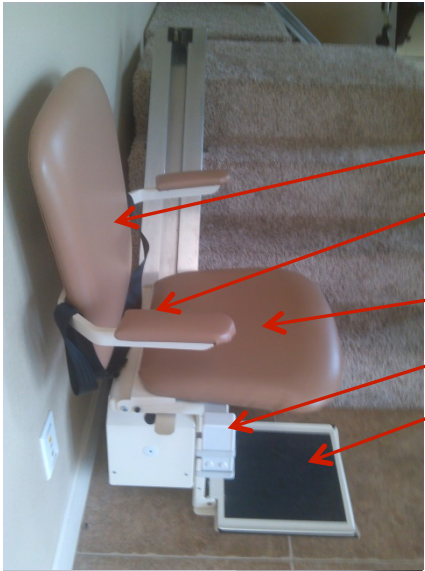
- Aluminum track w/ rack and splice bars
- (4-6) Track mounting brackets
- Chassis
- (2) Plastic cam / charge wire assemblies
- Footrest
- Seat
- Power supply transformer with 6' cord
- Header cover.
- Upper and lower track end caps
- (3) Wireless call/send controls (remotes)
- Small parts bag
- Installation Manual
- Owner's Manual

C. TOOLS REQUIRED

(Italics indicate less common tool)

- 1 1-2" wrench or socket or large
Crescent wrench
- 1 7/16" wrench or socket or large
Crescent wrench
- Set of screwdrivers (phillips)
- Tape measure
- 3/8" reversible drill w/8" extension
- Allen wrenches
- Portable band saw or hack saw
(for cutting stock track)
- Small level
- Combination wrench (7/16" & 1/2")
- Tools to remove handrail if interferes with
the travel of the stairway lift.

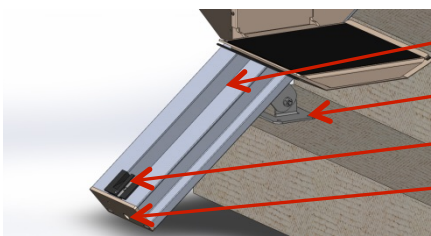
II. TYPICAL COMPONENTS



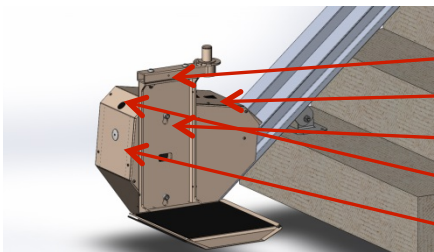
- Legacy Classic seat assembly
- Classic stationary armrest
(Seatbelt with buckle on seat back)
- Folding seat
- Unit control & holder
- Footrest with safety pan



- Legacy Elegance seat assembly
- Elegance folding armrest
- Retractable seatbelt with buckle
- Folding seat
- Unit control removed from holder
- Footrest with safety pan



- Extruded aluminum track
- Track mounting bracket
- Stop & Charging cam
- Rail end cap



- Seat swivel post, reversible
- Chassis run switch
- Footrest assembly mounting bolts
- Manual lowering access port-hole
- Control sensor

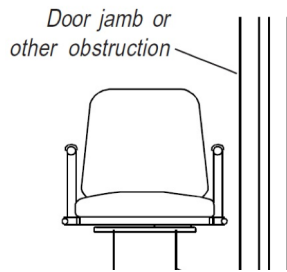
III. INSTALLATION PROCEDURES FOR STOCK UNITS:

TRACK INSTALLATION: Track and rack should be cut before installing them on stairs

Tracks are packaged in individual boxes. If you've receive a pre-installed unit, the bottom 48" track section is already mounted onto the chassis assembly. In total, you will generally have (2-3) sections of track with steel gear rack, (4-6) track mounting brackets located in a small parts box located in seat box, and (1-2) sets of splice bars already pre-mounted on the tracks.

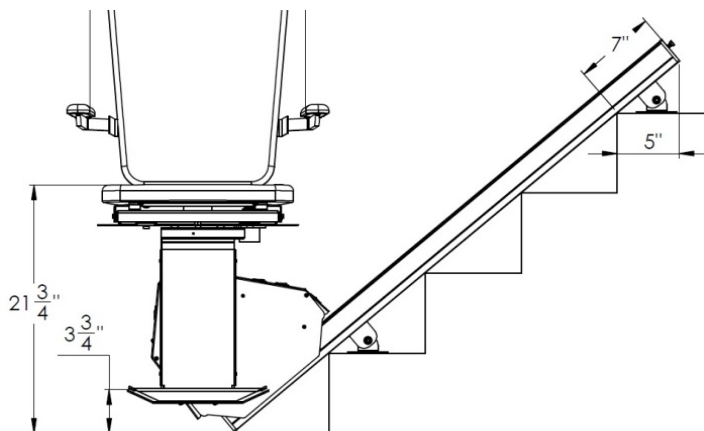
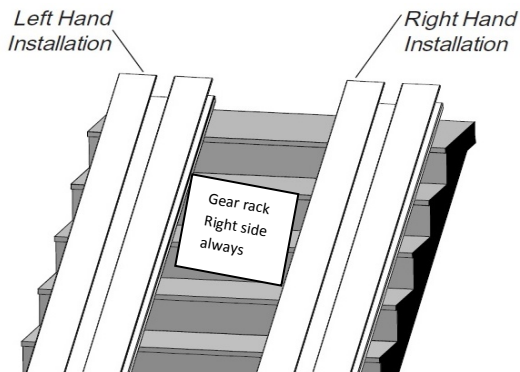
Note: The upper and lower ends of the track sections are marked top & bottom. *The gear rack is already inserted in the gear rack channel of the track.*

- Look up the stairs and determine if the track is to be installed on the left side or right side. The gear rack should always be located on the right side of the track regardless of which side of the stairs the track is mounted.
- Measure the distance from the top nose of the staircase to the bottom floor & add 7" (*note; be sure to verify clearance from top nose to any obstruction at the top such as a door or*

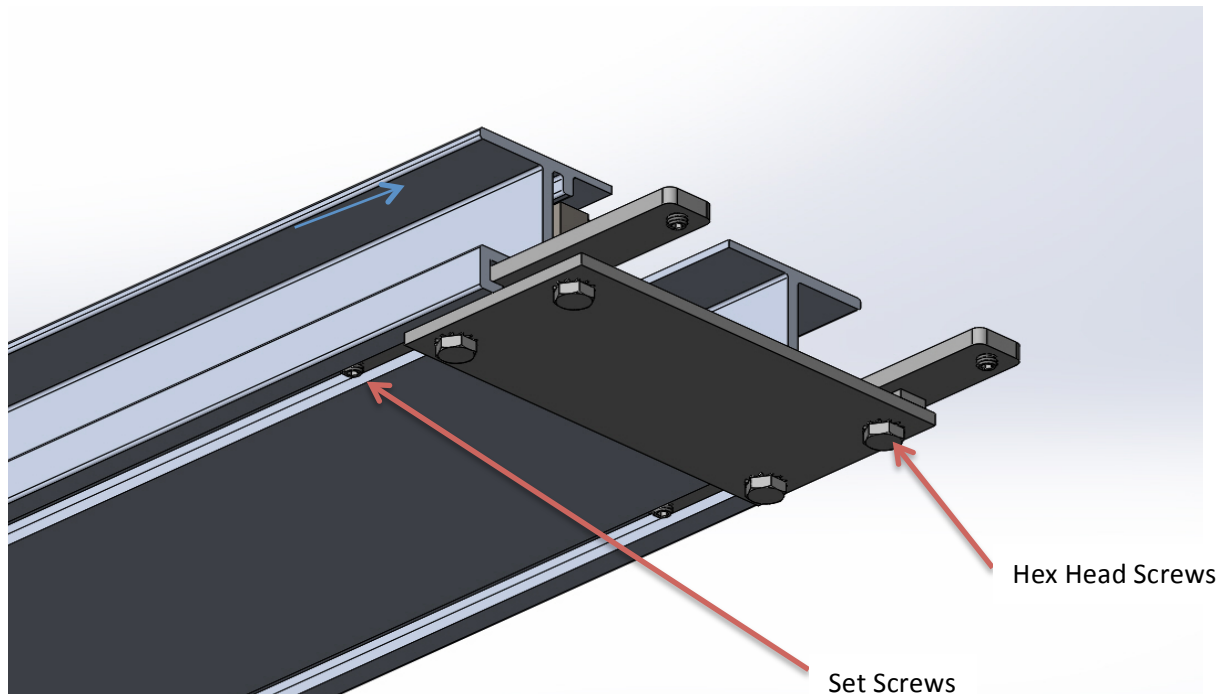


door frame that would cause the chair to hit or block the seat from swiveling.) It may be necessary to ramp the track away from the obstruction, consult factory for assistance if needed.

- Cut the track at the top, leaving the factory cuts at all other sections. Cut the gear rack flush with the top of track.



Track Splice Assembly



Aligning and securing the track splice.

Joining two pieces of track together is accomplished using a set of bars and splice plate.

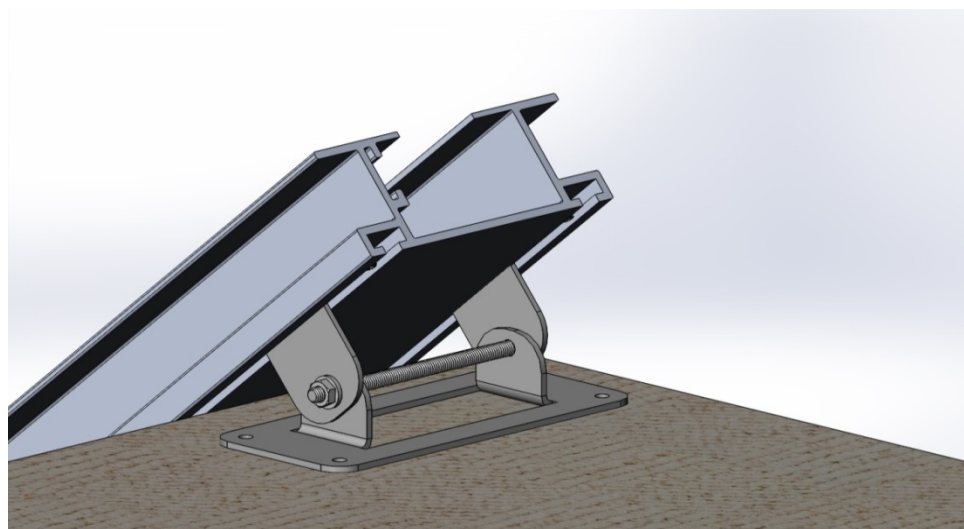
- Check the edges of the outside C-channels for rough edges. If there are any burrs, file them off before splicing the track
- Position the splice so that is half way inserted into one track.
- Tighten the set screws in the bars
NOTE: There is a small insert bar on one side only of the splice bar that aligns the channels by fitting into the groove on the underneath side of the track.
- Slide the other track onto the splice ensuring that the track pieces align on all sides.
- Tighten the remaining set screws and the 4 hex head screws to lock everything together. Run your finger over the outer edges of the tracks to assure there are no significant edges protruding. If there are, separate the track slightly and realign as required to obtain a smooth transition between the track channels.

Secure the track to the stair treads using the supplied bracket assemblies.

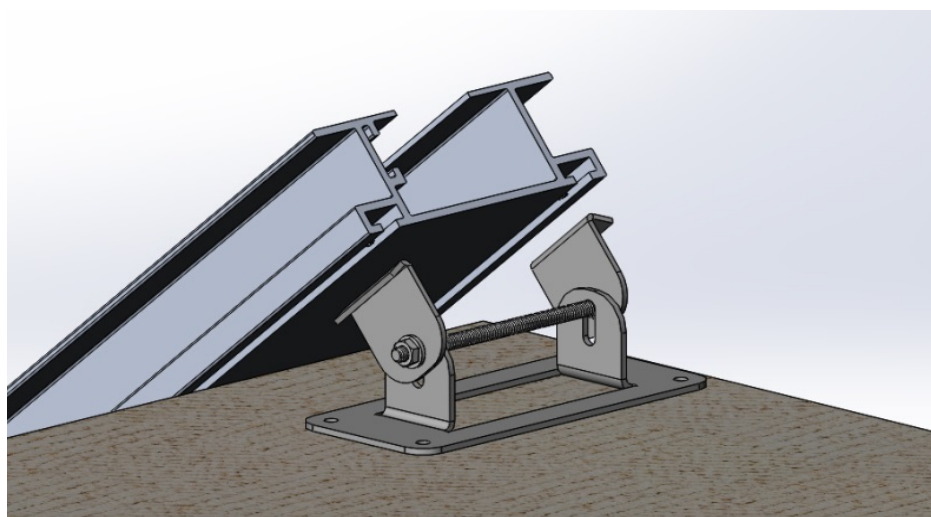
Slide the upper “L” lip of the track bracket into the bottom track channels with the narrow portion of the “L” facing out towards the outer edges of the track.

Place one bracket on first tread, one on the top tread, and one bracket immediately above and below each splice. Then use the other brackets to support any section of track left unsupported and measuring greater than 48”.

NOTE: The track should be 2 ½” – 3” from the wall. It is recommended you shim the entire length of the track so it leans backward slightly to offset the weight of the unit and user.



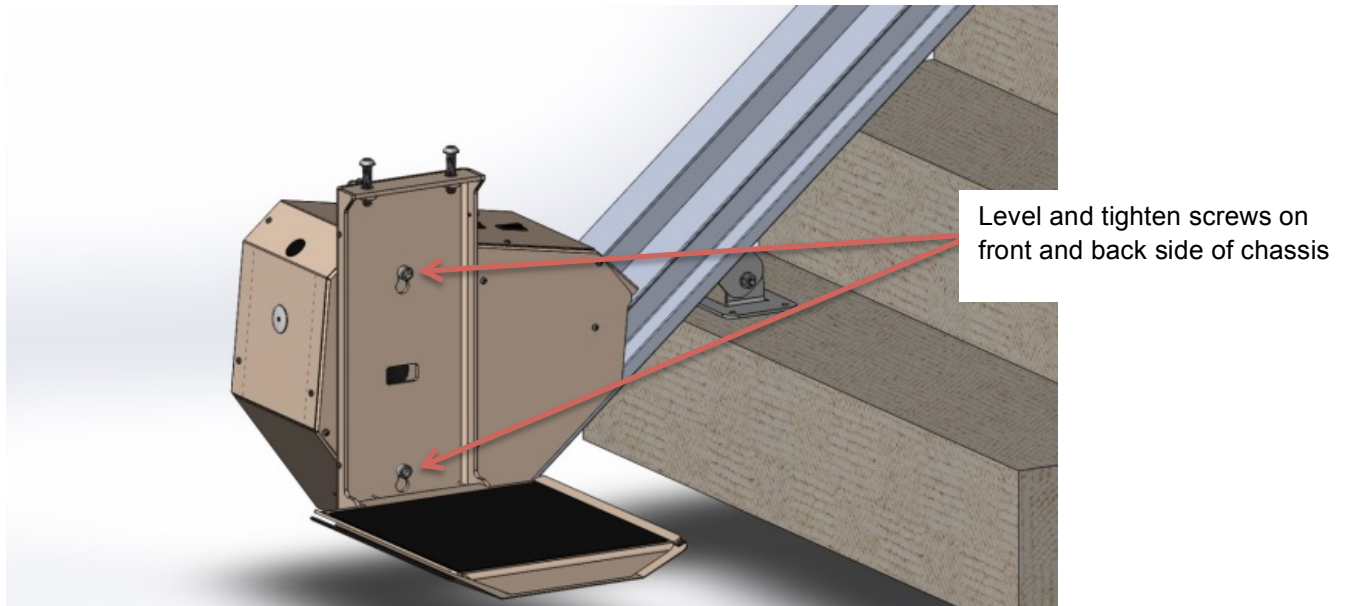
Position the track 2-3” from the wall or nearest obstruction & secure track brackets with wood screws provided, and tighten bracket bolts.



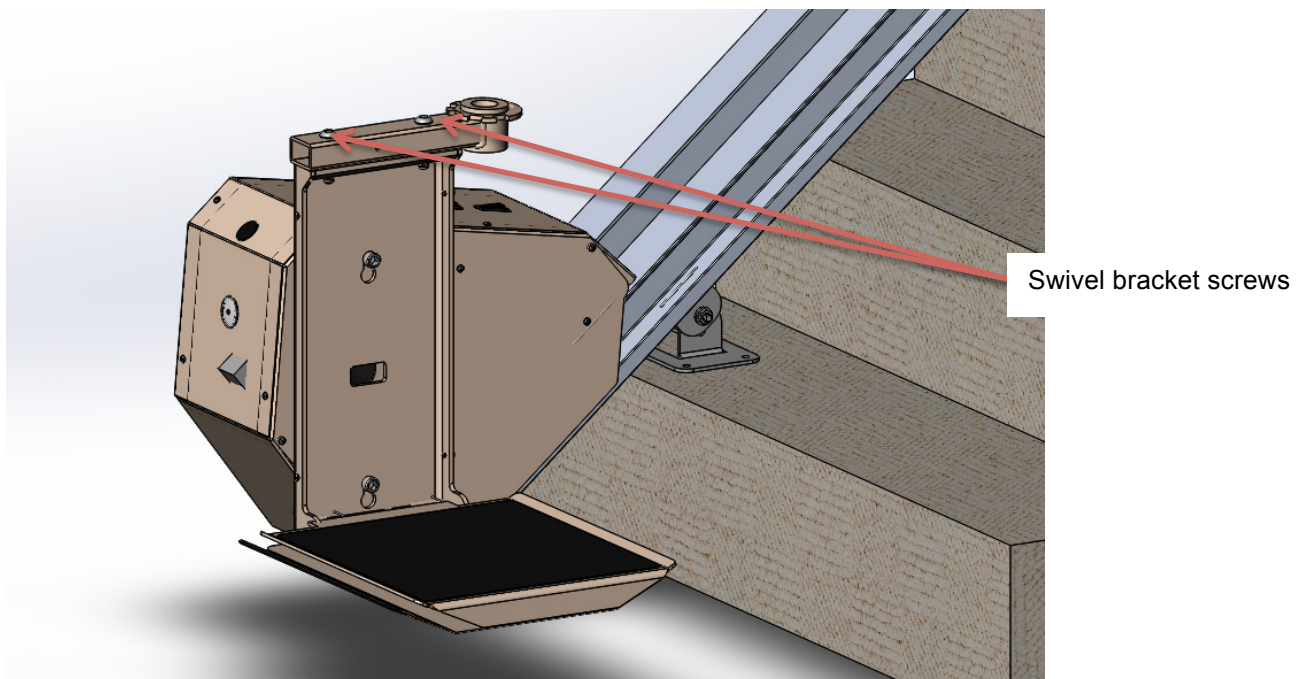
Inserting the chassis into the track – SKIP THE FIRST TWO STEPS IF YOUR CHASSIS IS ALREADY MOUNTED INTO A 48” SECTION OF TRACK

- Remove the upper most section of gear rack to allow you to slide the chassis into the track easily.
- Insure the rollers and spacers are installed on the chassis axle. The rack side of the chassis will have more spacers than the opposite side. **Failure to have the proper spacers in place will cause the pinion gear not to engage in the track rack properly.**
- Attach the foot rest assembly to the chassis and plug in footrest wire plug. Pg. 7
- Attach the seat post bracket with two screws on the top of the footrest assembly Pg 7.
- Attach the seat plate onto the seat swivel using hardware as shown in drawing. Tighten the nut until you have eliminated any vertical movement or “wobble”. Pg. 8
- Insert the seat proximity switch from the chassis into the plastic retainer on the seat assembly. Insure the magnet on the seat and the switch are no more than 1/4" apart. Pg.8
- Turn on the red on / off switch to power up the chassis located on the top of chassis.
- Press and hold the black run switch to run the chassis slightly down the track about 6". This is also located on the top of the chassis..
- Verify there is minimum side to side play in the chassis and that the pinion gear is fully engaged in the track rack.
- Insert the top rack section previously removed.

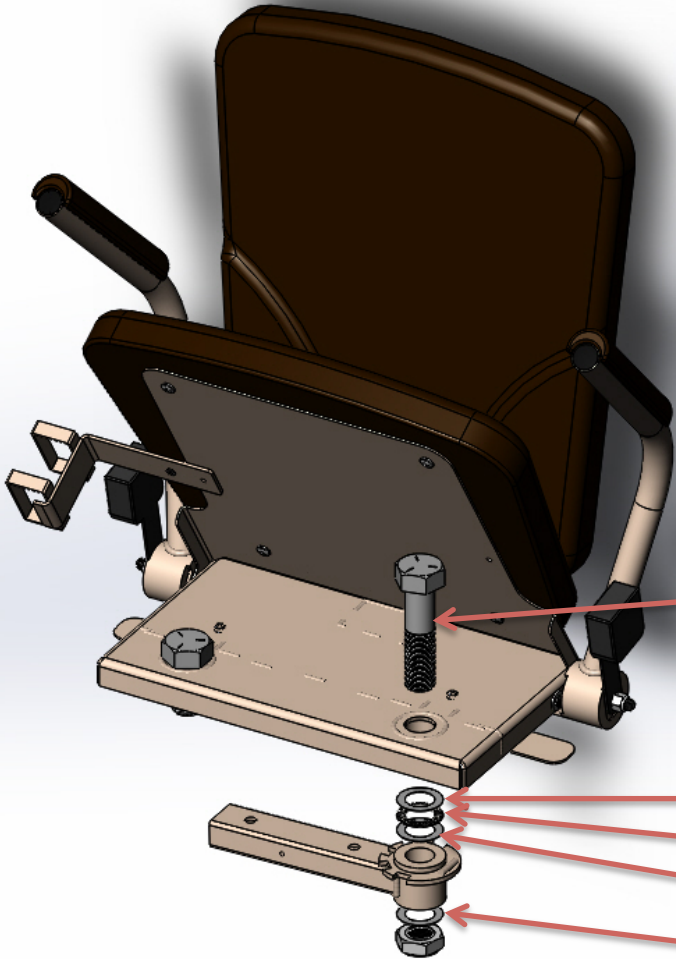
Footrest Assembly on Chassis & Seat Swivel Screws



Seat Swivel Bracket



Seat Swivel Assembly



Swivel Bolt – NOTE: a flat washer (not shown) goes under the head of the bolt.

Thrust Washer

Thrust Bearing

Thrust Washer

Thrust Washer

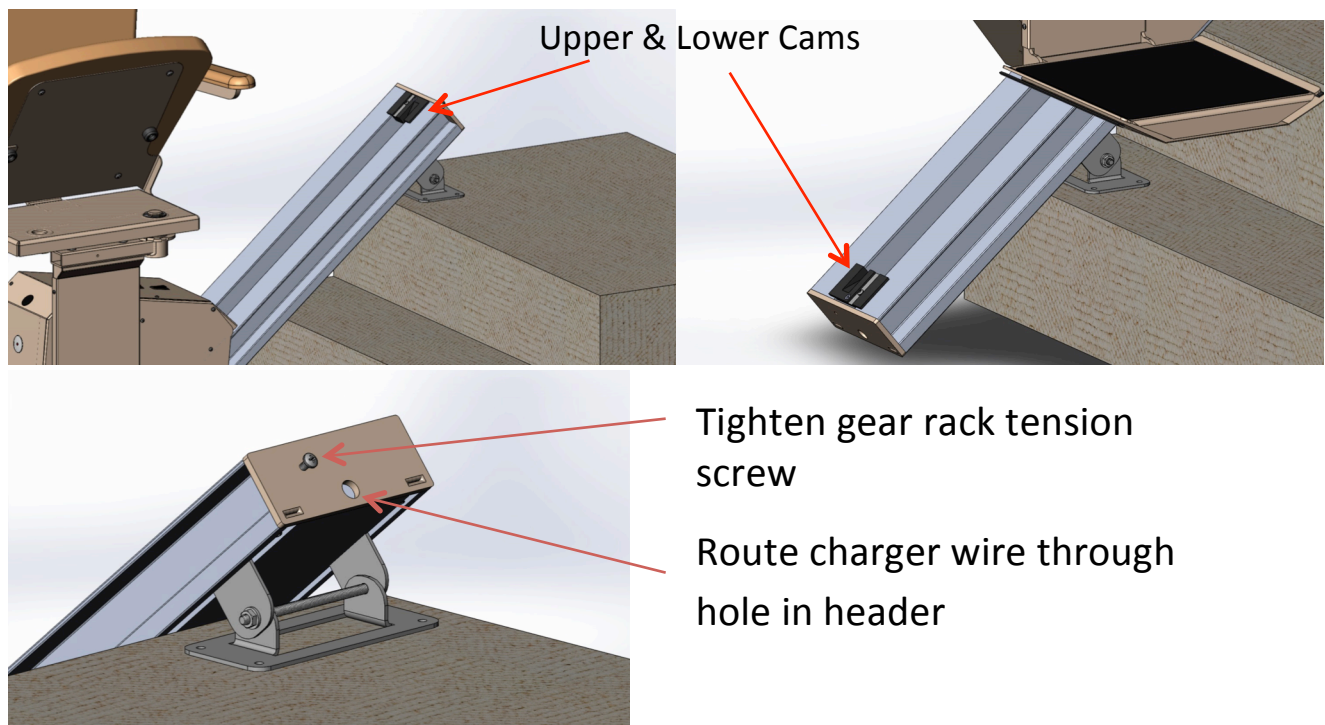


1/4" gap

Seat Proximity Switch and Magnet

➤ **Attaching the Charge & Stop Cams**

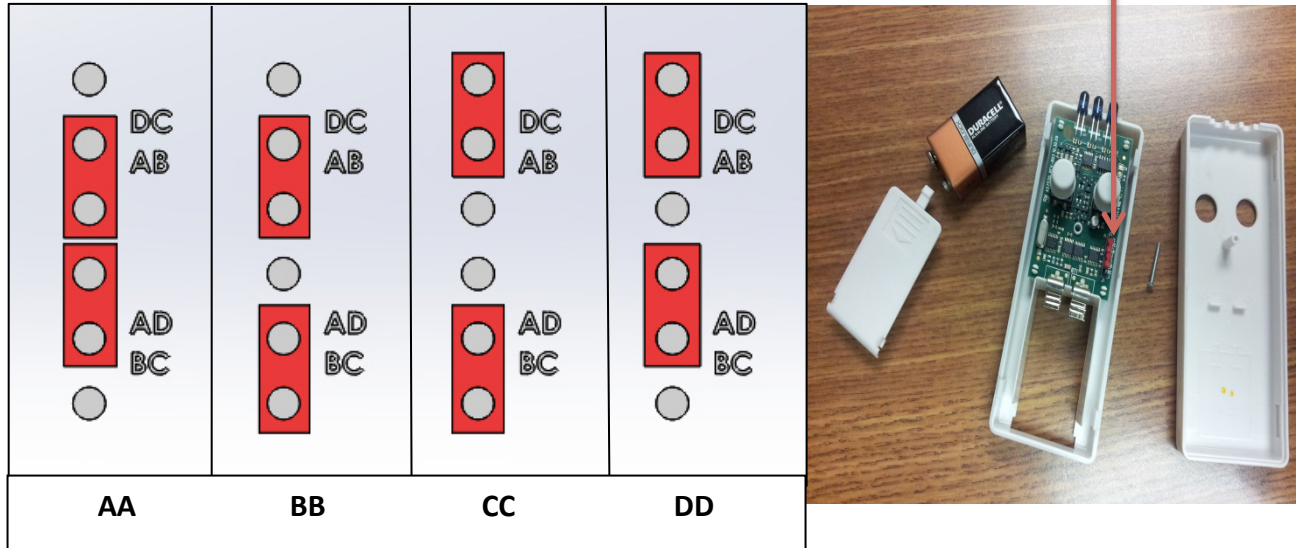
- There are two cams with wire going from one to the other. Determine nearest power source outlet top or bottom.
- Route the charger wires through the track covers and neatly tuck underneath track on the wall side.
- The bottom track end plate is already attached – attach the top track end plate.
- Loosen the screw on the cams that goes into the support metal strip underneath the plastic cams.
- Turn and slide the cams on the track and tighten screw to secure. You do not need to remove the track end plates to install the cams.
- Attach charge harness to both cams.
- Plug in charger to wall outlet.
- Adjust cams & charger strip to stop and charge properly. Test while riding in the chair & empty chair. Test at least 2 times at each station.



If you have two lifts that are within close proximity to each other, it may be necessary to change the drive chassis and wireless remotes to a new frequency so that they do not interfere with one another. The frequency on the chassis control board and the remotes must match one another. To change a frequency:

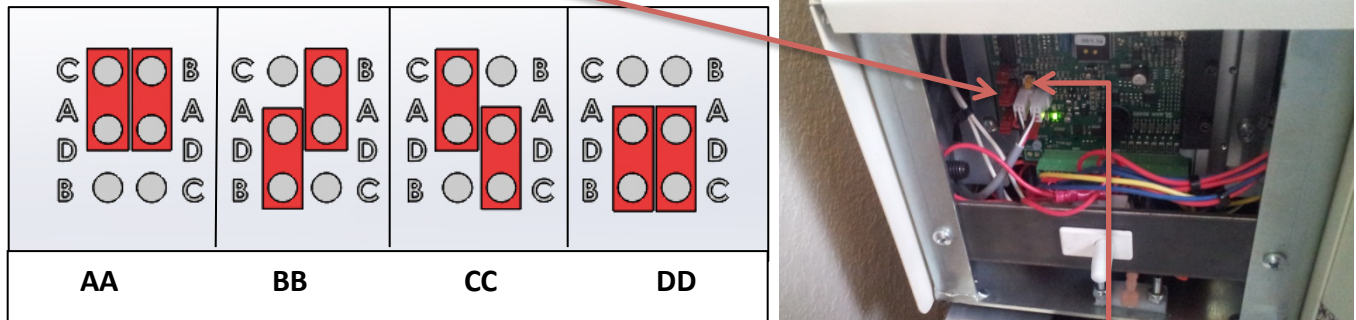
- Take the back off of the remotes and set the red jumpers (in each remote) to the same new code.

REMOTE JUMPER PLACEMENT



- Change the corresponding code in the control board J1 jumper. The control board is located behind the panel on the downhill side of the chassis.

CONTROL BOARD J1 JUMPER PLACEMENT



Press and hold the yellow "learn" button on the control board (located next to J1 jumper), then press and hold one of the up/down buttons on one of the transmitters. The controller board should beep and the lift start to move after you release the transmitter button when the frequency has been successfully changed.

IV. COMPLETION PROCEDURES

**SERVICE LINE 877.378.4275
(Mon-Fri 8:00 – 5:00 CST)**

COMPLETION CHECKLIST

The following features must be verified as operational before the Legacy stairway lift can be released for use:

- _____ **Upper and lower limits:** Verify the lift stops automatically at the top and bottom of the track.
- _____ **Upper and lower track obstruction sensors:** Verify the lift stops when traveling in the appropriate direction when pressing in on the upper and lower track obstruction sensors.
- _____ **Running Clearance:** Verify the lift clears all obstructions.
- _____ **Track Mounting Brackets:** Verify all track mounting brackets are securely attached to the stair treads, the track and at the pivot points.
- _____ **Track Splice:** Verify track joints are smooth and free of burrs and gaps.

Gear Rack:

- _____ **IMPORTANT:** It is imperative the 2 small set screws under the top track end plate are very tight.
- _____ Verify the rack tension screw is tight
- _____ Verify chassis gear and rack is tight and no excess play.
- _____ Check to insure the chassis axle is not rubbing track
- _____ Verify the gear rack is sufficiently lubricated – a light coat of lithium or other all-purpose grease is acceptable
- _____ **Unit Remote Control:** Verify control functions in both directions & fits into holder.
- _____ **Call/Send Remotes:** Verify both call/send controls operate the lift up and down in the appropriate direction.
Note that drywall screws are provided for mounting "wireless" call/send controls to the wall or other surface based on the customer's preference.
- _____ **Lower Track Cover:** Verify the lower track cover is securely fastened to the track.
- _____ **Header Cover:** Verify the header cover is securely fastened to the track.
- _____ **Upper and Lower Limits:** Verify the lift stops automatically at the top and bottom of the track.
- _____ **Final Limits:** Verify the lift is inoperable in both directions when each final limit switch is pressed

Track:

- _____ Verify the inside of the track is free of foreign objects.
- _____ Verify the track has been lubricated on the axles.
- _____ **Footrest:**
- _____ Verify the footrest is level.
- _____ Verify the footrest clears all stair nose.
- _____ Verify the lift stops when the footrest runs into an obstruction.
- _____ Verify the lift will run when you reverse directions of the switch when the footrest is obstructed in the opposite direction.
- _____ Verify the footrest folds up and stays in the up position.

Seat:

- _____ Verify the seat is level and securely fastened.
- _____ Verify seatbelt & buckle will are secure and function.
- _____ Verify the seat swivels 45° and 90° toward the upper landing and locks into position.
- _____ Verify the lift will not operate when the seat is not locked in the riding position.
- _____ Verify the seat will fold up and stay in the up position.
- _____ Verify both arms will fold up and stay in the up position. (ELEGANCE model only)
- _____ **Clean Up:** Verify the stairway lift has all grease, dirt, etc. cleaned off.

BEFORE LEAVING THE JOBSITE

- _____ Clean up work area.
- _____ Assist customer on how to use the unit and ride it properly.
- _____ Demonstrate proper operation, seatbelt use, lubrication and maintenance procedures to the user of the lift and other family members at the residence.
- _____ Give customer a copy of the Owner's Manual for reference. Please take time to insert your business card or write your company name, address and telephone number inside the Owner's Manual in the area provided.

NOTES: _____