

# How to Install Ski Lift Tubes to Chairlifts

Tools required:

- Cordless variable torque drill or impact driver with #2 Robertson bit
- Cordless drill, impact driver or hand driver with 1/4" hex bit
- Spare drill or impact driver batteries
- Alignment tool (supplied with your tube purchase)

**TIP:** If you have multiple installers, several sets of tools will come in handy.

**1** Clamp the alignment tool to the safety bar. Orient the vice grip handle towards the rear of the chair (as shown) to ensure the proper viewing angle for the tube contents.



**2** Insert the clamps into the alignment tool slots with the nuts tight against the back of the angle iron (as shown). Secure the clamps with a 1/4" hex driver—be sure the clamps are tight.

**TIP:** A Makita 18 volt electric impact driver works great for this. It will tighten without stripping the threads and is light and easy to use.



**3** Remove the alignment tool.

**4** Insert rubber gaskets outside the clamps.  
**TIP:** Place gasket seams at the bottom to aid installing the tube halves.





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Insert the foam tube inside the clamps.

6 Place a half tube on the bottom of the safety bar and press the gaskets into their allocated slots.

**TIP:** Position the bottom half tube to be opposite to the top half tube so the two fit together.



7 Place the top tube half so the tube contents will face chairlift riders. Press the gaskets into their allocated slot. Clamp heads will fit into their allocated pocket of the tube—this is what prevents the tube from rotating.

**TIP:** Squeeze and wiggle both ends of the upper and lower tube halves together to get the gaskets and clamps to seat properly. If clamp heads are not in the correct position you cannot pull the tube halves together.



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Check the viewing angle of the tube contents to ensure it is positioned to be legible to chairlift riders. If not, return to step 1 to fix.

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Hold the tubes tightly together and carefully screw the two halves together using a #2 Robertson bit.

**TIP:** If you overtighten the screws you will strip the tube screw pocket—set your drill or drive torque setting to low (the polycarbonate plastic becomes more brittle as temperatures drop).

Admire a job well done. Then proceed to the next installation.

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