



www.supersneaky.com

== *for:* Low Overhead Garage Door Installations ==

**Super Sneaky installation instructions for
standard lift 12" or 15" curve radius garage doors**

1. Install door and vertical track as outlined by the door manufacturer. Install the Super Sneaky's, along with any other hardware. For struts; use one of our Strut Mounting Plates (SMP). Stack top section and hold temporarily in place with a spike.
2. Place roller in the Super Sneaky and install the curve radius horizontal track.
3. For a residential front mount torsion spring system, drill out the front rivet of the 22" starter angle (**see picture reference below**) then drop entire spring assembly so that the cable drum clears top of door approximately $\frac{3}{4}$ ". Double doors with full angles, use a spare 22" starter angle, or punched angle bolted under the starter angle to reduce height of head assembly. Without cutting track, you should be able to install door and operator in 8"-11" of headroom space, 12" and 15" curve radius track.
4. Our new Operator Extension Bracket (OEB) will reduce headroom required by the operator by 2". Side extension springs reduce the space required for a torsion spring.
5. Install a piece of 2x4 just above the door to act as a lock down, & for operator safety reversing.
6. Always, manually run the door first, once satisfied everything is working smoothly, be ready to unplug the operator incase, there is a problem so no damage occurs.

**Super Sneaky extreme installations 6" and less
via cutting the vertical track,
while clearing the door opening**

- Take door height & subtract the curve radius, then cut the vertical track to that measurement.
- Shorten the cable length to approximately half wrap of the cable drum.
- Make sure there is a separation between the door face and operator of approximately $\frac{3}{4}$ ".
- Use our Operator Extension Bracket (OEB), this replaces 2x4, plus provides necessary rail travel to pull door clear of the door opening.
- For super extreme installs, place rollers in no.1 hole position. This will lower door face, so it doesn't hit operator. Vertical track will have to be pitched inwards towards door jamb.

What if I have less than 6" of headroom?

Order a door that is 2" shorter than the opening, the bottom rubber takes up 1", the top weather strip should take up the difference, if not add a 1x3 wood filler strip. This technique will give you the added space to accommodate for the cable drums and spring assembly.

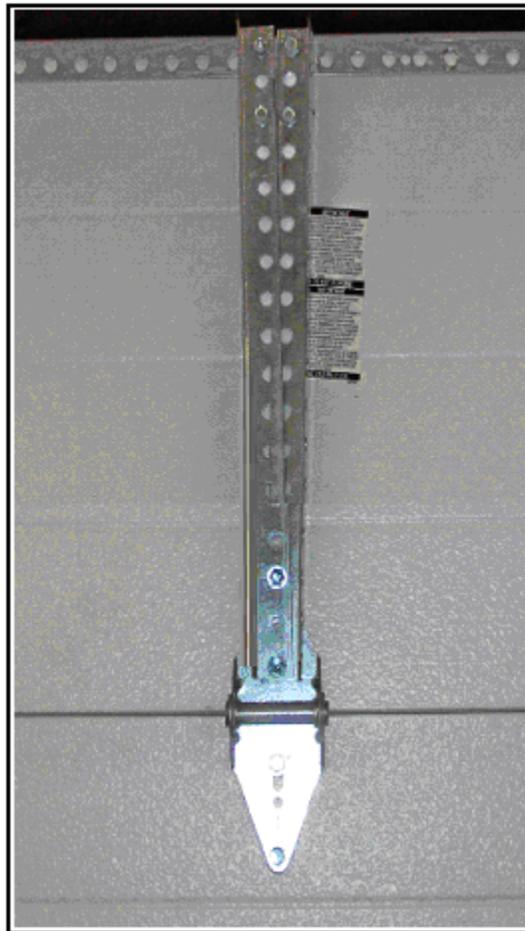


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Connecting the operator to the door

It is critical that the connection of the operator arm to the door is made as close as possible to top of the panel. This is so that all the various pivoting points work smoothly together and/or if a strut is to be used, it can be mounted at the top of the panel, below the operator connection and above any window sections. To build this, simply use two pieces of punched angle, positioned to form a U shape that is fastened to the hinge and top of the door panel, for added re-enforcement add punched angle horizontally along the top panel, tied into the vertical angle. In the case of a strut, cut out the portion of punched angle so as to allow the strut to lay flat over it and fasten.





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Problems and fixes

- Top panel wants to tip up, before bottom of door is on the floor. Door won't sit on the floor, tends to spring up, and then seems to run out of energy at the top of its cycle, cables go slack, may come off cable drum. This is the cause of a spring too heavy for the door, fix this by adding weight.
- Door seems jerky and not smooth when closing. Connection to low down on door panel or operator is mounted to high above on header.
- Door will not go up and around curve radius in one motion. This is the design of Super Sneaky's, they by pass the curve radius.

Safety is No.1

- When using my formula to cut the track in combination with my operator extension bracket, Super Sneaky is the safest low headroom product on the market. Here's why: Super Sneaky's essentially bypass the curve radius. When an object is encountered, the top section will tip upwards and jamb itself into the operator rail, or (OEB) Most of the energy from the draw bar operator is directed to the top panel, instead of full downward crushing force as in a standard install, regardless of energy force settings.

Versatility

- Super Sneaky's work on small residential doors, or big heavy commercial ones, they can be double up with a long stem roller. If you have a unique situation, need engineering solutions for one job, or need a manufacturer's solution, contact Robert Armes.

Other applications

Super Sneaky storage solutions, flush to the outside wall garage door solutions, roll up truck door hardware, ask Robert.

For immediate technical service:
Call Robert Armes 519-750-4956

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