

Savaria Vuelift Installation Tool List

Below is a comprehensive list of required & optional tools necessary for your upcoming VUELIFT installation. Proper tools available onsite from the first day of installation training will ensure a smooth and timelier installation process.

Mandatory Tool List:

- 2 and #3 Phillips head screwdrivers
- 3/8" - 1/2" flat head screwdrivers
- Electronics screw driver (terminal screw driver) 2mm tip required
- Cordless hand drill with a 1/2" drill chuck
 - 5/16" magnetic nut driver for attachment to variable speed drill
 - Carbide drill bit set (varying sizes from 1/16" - 1/2")
- Variable speed hammer drill
 - 3/16" and 1/4" bits mandatory
 - 3/8" and 1/2" bits optional, but recommended
- 10" (250mm) medium cut metal file (recommended to get both a coarse and fine metal file)
- 100' extension cord (minimum 14ga)
- Allen wrenches/keys (1/8" - 3/8" Imperial)
- Electric winch – Warn PullzAll 1000 lbs Winch. This specific winch is highly recommended.
- Lifting slings (steel cable or nylon strap, minimum 2" width, rated for a minimum of 2000 lbs). Number of straps is dependent on individual site specifications. Typically 3-4 straps will be required, but more may be required if the unit is taller than 3 stories.
- Large rubber mallet (with a non-marking head)
- Laser plumb bob (i.e. Bosch GPL 2 R)
- 4 foot - Magnetic level accurate to 1/8" / 50 ft (having two is best to ease in plumbing the rails)
- Torpedo level
- 2 rolls of wide blue painters tape (3 rolls required for jobs 4 stop or more)
- Electrical tape
- 12" long 1/4" extension for bits (without a wide release head)
- Set of mechanical sockets and wrenches (1/4"- 1" Imperial)
- Tape measure
- Electrical multi-meter
- Wire strippers
- Mechanical riveting tool with 1/8" rivet head
 - 1/8" and 1/4" long by 1/8" wide rivets
- Low RPM chop saw and blade (i.e. Evolution 14" Steel Cutting Chop Saw part# EVOSAW380). The RPM of the saw should be roughly around 1400 – 2000 RPM.

- Wire tie wraps (zip-ties)
- Pry bar
- Vise-grip pliers
- Taps, drill bits for taps and tap handle for the following tap:
 - 8-32 NC
 - 10-24 NC
 - 1/4-20 NC
 - 3/8-16 NC
- Gasket shear
- C-clamps
- Quick clamps x2 (i.e. Irwin Quick-Grip)
- Ratchet straps x2 (15-foot length)
- Drop sheets to cover the work area

Optional Tool List (may be required depending on site conditions):

- 3/8" variable speed right angle drill (depending on site conditions)
- Scaffolding or ladders and planks for erection of rails and brackets (height is dependent on individual site specifications)
- 4 1/2" angle grinder with cut-off wheels, grinding discs and flap (sanding) discs
- Cat5 crimper and spare RJ-45 ends
- Network testing tool (Cat5 test tool for servicing the Vuelift)
- Miter saw with non-ferrous metal cutting blade
- Fluted countersink
- Router (i.e. Makita model# RT0701C) - if Acrylic is to be cut on site ONLY
 - 1/2" x 1" carbide tipped 3-flute flush trim bit (to cut Plexiglas)
- 2 glass suction cups (for glass units)
- Plexiglas repair kit
 - 320, 400 and 600 grit sandpaper
 - Polishing wheel
 - Novus #3 and Novus #2 Plexiglas polish
- Vuelift specialty installation tools (must be ordered from Savaria)
 - Header installation tool (this assists in the installation by providing an overhead point to hoist the support rings)
 - Drive train installation blocks (these assist in holding the motor up when hoisting the car up to mount the motor)

Materials Required:

- 1/2" electrical box connectors (for flexible and standard conduit – depending on local codes)
- Assorted junction boxes and flexible conduit (length and size is dependent on individual site)

- Wiring to bring power from the disconnect to the controller.
- Rags and cleaning solvent (e.g. Windex for hoistway rails and powder-coated parts, Novus® #1, Plexus, or other plastic cleaner approved for use with Plexiglas, for acrylic walls)
- 2 spare pieces of 2x4 wood
- Steel Shims (If floors are very unlevel)