General Information
for Installing an Automatic Pool Cover
(Save-T® 3 or Autosave™ Spa Cover)

This is a general guide on factors to consider for the installation of a Save-T 3 automatic cover system or Autosave spa cover.

Detailed installation instructions are available.

WARNING

FOR YOUR SAFETY—This product must be installed and serviced by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exists. In the event no such state or local requirement exists, the installer or maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or loss of life. Improper installation and/or operation will void the warranty.
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Based on the pool design, choose the appropriate track style and any options.

**Underside™ Track**
- Mounted under deck coping
- Anodized aluminum
- Easier installation and replacement of rope

**Track Channel**
- For concrete and fiberglass pools
- Raised-wall applications
- Track channel allows for custom cantilever profiles
- Foam or wood forms can be incorporated for deck profiles

**Track Channel Inverted Mount**
- For any deck surface, such as flagstone, slate or tile, that does not meet basic undertrack mounting conditions (surfaces less than 2” thick or softer materials)

**Reusable Coping Form**
- For concrete, fiberglass and vinyl-liner pools
- Eliminates the need for foam or wood forms
- Extruded aluminum

**Deck Straps**
- For porous coping, brick, flagstone, and materials less than 2” thick
- Mounted every 2’ of track
- For deck-on-deck pools

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**Vinyl-Liner Pool Coping Undertrack System**
- For vinyl-liner pools
- 90°, 45°, 6” and 24” corners available
- Tracks locked in place by shims
- Standard or bullnose coping options

**Vinyl-Liner Pool Track Channel**
- Track channel allows for custom cantilever profiles
- Foam or wood forms can be incorporated for deck profiles
- Can be used with Cover-Pools Reusable Coping Form

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All diagrams are for general information. Consult installation instructions for details.
Universal Deck-Mounted Track
- For existing decks
- Low profile
- Installed on surface of the deck
- Anodized aluminum

SnapTop™ Track
- For existing decks
- Low profile
- Installed on the deck surface
- Anodized aluminum
- Uses gliders or wheels
- Screws are concealed
- Standard Universal track also available
- Smaller Slim™ track available for Step-Saver™ systems

Flush Track – NEW
- For new or existing pools
- Installed flush with deck
- Vinyl-liner, fiberglass or concrete pools
- Anodized aluminum

Recommended for indoor use only

Special Construction Applications

Deck-on-Deck Pools
Create a rectangular frame around the free-form pool for an undertrack installation with track channel.

track channel or deck straps

Extreme Cantilever
Create a freeform pool by extending the cantilever up to 24” beyond the channel or track.

track channel or deck straps

Vanishing-Edge Pools
Create a 45° or 90° vanishing edge

45° 90°

Perimeter Overflow
Create a pool for which water height appears even with the deck. A narrow channel collects the overflow water and allows for the glider arms.

All exposed aluminum extrusions can be painted to match deck color.

All diagrams are for general information. Consult installation instructions for details.
**EXCAVATION AND PLUMBING**

Consider any special requirements for excavation and plumbing.

**Recessed Mechanism—Underside™ Track or Track Channel**

1. The tracks (and rectangular pools) must be a true rectangle. The tracks must be perpendicular to the unit mechanism and recessed housing (90°).

2. Over-dig the recessed cover box end of the pool 18” beyond the forms. Do not install plumbing within 14” of the deck in the housing area.

3. The motor can be on either end of the cover box.

4. Do not locate skimmers in the lowered pool wall.

5. All corners must be square (no radius) on the finished tile line or the coping.

6. Place 3” drain in floor or wall of recessed housing.

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**Pool must be square:**

\[
AB = CD \\
AD = CB
\]

---

**Track squared to box or mechanism**

- GE = 6’
- GF = 8’
- FE = 10’

---

**Excavation and Plumbing**

Consider any special requirements for excavation and plumbing.
Recessed Mechanism—Universal, SnapTop™, or Flush Track

The requirements of a recessed mechanism with a deck-mounted track are the same as the undertrack on the previous page. Universal track may be mounted at the pool edge. Flush track must be set back 6" from the pool edge.

Tracks must be square:
AB = CD
AD = CB

Track squared to box or mechanism
GE = 6'
GF = 8'
FE = 10'

Do not locate track on top of a skimmer lid.
Choose electric or hydraulic power and controlling devices.

**WARNING!** These are minimum recommendations only. All local and federal codes of standard safe practices must be followed. Refer to the prewiring instructions for detailed instructions and additional mounting options.

**Electric Motor w/ Keyswitch (Standard Equipment)**

¾ hp Motor with Slip Clutch

Key Switch 120V

Conduit to 120 VAC 15 AMP dedicated G.F.C.I.

(Hot, Neutral, Ground)

14 AWG under 50ft
12 AWG over 50ft

Dedicated GFCI

Conduit with three different colored wires and one ground.

(Neutral, Dir 1, Dir 2, Ground)

36" of waterproof flex conduit with 1/2" NPT watertight connector 14 AWG Min. Wire extended 8" past conduit end.

---

**Hydraulic Power System**

(Optional)

**WARNING!** These are minimum recommendations only. All local and federal codes of standard safe practices must be followed.

**Option 1:**

Key Switch KOSA

Conduit With (3) 12 AWG (min) Identified Wires plus one ground

**Option 2:**

CoverLink Wired Control

Conduit with (4) 18 AWG (min) Identified Wires for CoverLink Wired Control

Dedicated GFCI

Conduit to HYD pump J-box with 2 identified wires and 1 ground

14 AWG under 50ft
12 AWG over 50ft

Hydraulic motors must be mounted above ground level.
Auto-Shutoff with Optional Accessory Board/AquaLink®
¾ hp Motor or Hydraulic Motor

Option 1: Auto-shutoff mounted outside housing.

Option 2: CoverLink Wired Control

Auto-Shutoff with Accessory Board/AquaLink® and Wireless
(Optional) -- ¾ hp Motor or Hydraulic Motor

All switches/control pads must be mounted in full view of the cover operation.
MECHANISM HOUSING

Choose a recessed mechanism [concrete or wood box] or deck-mounted mechanism. Systems include a lid assembly, bench frame assembly or fiberglass ends.

Recessed Concrete, Wood, or UPB Box—Underside™ Track

Consult a certified electrician and the pre-wiring diagrams for conduit and bonding requirements.

<table>
<thead>
<tr>
<th>Underside Track Box Dimensions for Save-T® 3</th>
<th>MOTOR M</th>
<th>OPPOSITE O</th>
<th>BEAM B</th>
<th>THROAT T</th>
<th>DEPTH D</th>
<th>WIDTH W</th>
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<td>32”</td>
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<td>2” min to finished beam</td>
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<td><strong>UPB BOX</strong> Pools up to 55 ft. long</td>
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Box Side View—Underside Track

Consult a certified electrician and the pre-wiring diagrams for conduit and bonding requirements.
Recessed Concrete, Wood, or UPB Box—Autosave

OPTION 1: Conduit comes from back of box.

Consult a certified electrician and the pre-wiring diagrams for conduit and bonding requirements.

<table>
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<th>Opposite</th>
<th>Beam</th>
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<tr>
<td>Box Dimensions For Autosave™</td>
<td>M</td>
<td>O</td>
<td>B</td>
<td>T</td>
<td>D</td>
<td>W</td>
</tr>
<tr>
<td>Up to 13' or 200 square feet</td>
<td>Motor Behind</td>
<td>9&quot; min</td>
<td>9&quot; min</td>
<td>10&quot; min</td>
<td>1&quot; to Finished Beam</td>
<td>9&quot; min</td>
</tr>
<tr>
<td>w/ Auto-Shutoff</td>
<td>14-1/2&quot; min</td>
<td>9&quot; min</td>
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Note: To avoid interference, run the conduit from the center of the box using flex conduit with 1/2” water tight connector.
Recessed Concrete, Wood, or UPB Box—Autosave

OPTION 2: Conduit comes from side of box.

Conduit should not protrude more than 4" into box. Conduit must be as close to rear wall as possible for mechanism clearance.

3" drain can be on either end. Drain centerline 4" max from end wall.

Motor Behind
Motor Below

Consult a certified electrician and the pre-wiring diagrams for conduit and bonding requirements.

### Underside Track

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### Side View

Motor Behind
Motor Below
**Deck-Mounted Bench Construction**

Everlast™ Bench Kit

Modular bench kit uses adjustable-height brackets and polymer panels to create a low-maintenance bench system.

Available in 4 colors

**Bench Frame**

Three-piece adjustable steel brackets provide a maximum height of 20” by 24” wide. Surface material is not included.

**Deck-Mounted Fiberglass Ends**

Fiberglass ends are an economical and practical solution to cover the deck-mounted mechanism. Available in white.

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**Recessed Concrete, Wood, or UPB Box—Universal or SnapTop™ Track**

Consult a certified electrician and the pre-wiring diagrams for conduit and bonding requirements.

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**Recessed Wood Box Construction**

Requirements:
The material used to construct the box should be:
2” x 12” pressure-treated lumber or redwood

Upper trim:
2” x 4” pressure-treated lumber or redwood
Coping or Deck Requirements—Underside™ track

- All corners of the coping must be square
- Minimum 2" cantilever from tile on side walls
- Minimum 3" cantilever from tile on end wall opposite the mechanism

Gunite Layout—Underside™ track

At the recessed box end, the pool wall (bond beam) must be shot 2½" (2" finished with tile) lower than the side walls.

The top inside pool corners (above the waterline) must be square, not radius.

Any interior wall, such as for spas, also must be gunited 2½" (2" finished with tile) lower than the side walls.
Coping or Deck Requirements—Underside track (cont.)

Opening for the track must be 2½" at box (2" finished with tile), sloping to 3" inside pool.

NOTE: The track must be mounted on the flat bottom of the coping. The coping measurement is **NOT** the track space. Coping must not extend more than ½" past the edge of the track.

Tile Beam—Underside track

The lowered pool wall is finished with a tile surface.

For the lowered wall edge, use a rounded tile on the front and back edges to minimize scraping on the cover.
RECESSED BOX COVER

Choose lid and brackets to cover recessed box.

Brackets

Standard Aluminum Lid Tilted Bracket for Universal, Snaptop™, and Flush Track
- Stepped or tilted anodized aluminum lid available with 4” or 6” hinge

Standard Aluminum Lid Flat Bracket for Underside™ Track
- Standard anodized aluminum lid available with 4” or 6” hinge

Vanishing Lid Adjustable 12” Stainless-Steel Bracket
- For any tray less than 18”
- Extensions 14½” & 17½” available

Vanishing Lid Adjustable 18” Stainless-Steel Bracket
- Maximum bracket spacing is two feet
- For trays 18-24” wide
- Extensions 20½” & 23½” available

Bezel™ lids

Flush Mount Lid for vinyl liner pools with UPB Box

Flat Bezel Lid
- Available in 16” or 18” width

Tilted Bezel Lid

Stepped Bezel Lid
- Available in 16” width with 16” or 18” ends

Vanishing Lid™ System

NOTE:
Walk-on Vanishing Lid systems require a concrete housing, or, if using a wood housing, a concrete wall must be poured behind the box for anchoring brackets.

Walk-On Vanishing Lid
This design offers an adjustable tray support system for any type of deck material. Stainless-steel or aluminum trays and stainless-steel brackets provide the support base for a strong walk-on lid that can blend with the surrounding deck.

Note: The deck thickness must be increased for extended trays if the leading edge is going to fit under the tray. Contact Cover-Pools for more information.

The maximum width of any tray is 24”. The maximum length of tray is 24”.
SPECIFICATIONS

Review system details for Save-T® covers.

Quad-core™ Fabric
- Material: PVC vinyl, laminated over a reinforced polyester mesh for strength and tear resistance
- Rigorously Tested: The exclusive formula is the product of 50 years of testing and experience
- Designed for the Pool Environment: UV, mildew, and pool-chemical resistant with superior dimensional stability
- Weight: 18 oz. per square yard
- Thickness: 28 mil laminated vinyl
- Strength: Exceeds the ASTM F1346-91 minimum standard of 485 lbs. per 4' radius
- Construction: Fabric is attached to webbing and low-stretch rope (70,000+ cyclic loading fatigue life) with double-sewn Dabond® bonded polyester thread for durability
- 11 standard colors: dusky blue, royal blue, light blue, aqua, forest green, beige, tan, brown, gray, slate gray, and black
- Additional special-order colors available
- 7-year limited prorated standard warranty
- Sewn webbing in 9 optional colors
- Optional Ultimate™ heat sealed webbing in 6 colors
- Optional Ultimate™ rope (100,000+ cyclic loading fatigue life) or Stainless steel cable

Track Styles
- 7-year limited warranty on all aluminum extrusions
- All aluminum extrusions are 100% anodized
- Underside™, SnapTop™, Universal, Slim™, or Flush track
- Safety-Lock track channel
- Top-mounted track channel for concrete and fiberglass pools
- Inverted track channel for concrete or deck-on-deck applications
- Track channel system for vinyl pools
- Coping channel for vinyl pools
- V-Pak™ kit for vinyl pools (includes system, fabric, channel, box, and lid)
- Reusable coping forms (3 Profiles)
- 45-degree vanishing-edge pools
- 90-degree vanishing-edge pools
- NEW Corr-Resist™ non-metallic Track Channel

Mechanism Housing
- Standard 12" aluminum lid with either 4" or 6" hinge
- Bezel™ lids, 16" and 18" wide
- Vanishing Lid™ trays, 12"–24" wide with stainless-steel trays and stainless-steel adjustable brackets
- Fiberglass deck-mounted mechanism end housings
- Ultimate™ Polymer recessed box
- Everlast™ modular bench kit (available in 4 colors)
- Bench frame assembly

Power and Controls
- 3-year limited warranty on all electrical
- 3/4 hp waterproof electric motor
- Optional Ultimate™ High-Torque Motor
- 1 ½ hp/2000 PSI hydraulic system
- Safety lockout key control
- CoverLink™ touchpad control (wired or wireless)
- Low-voltage auto-shutoff with key switch
- Water-feature shutoff
- Jandy iAquaLink™ Interface

Safety
- Exceeds ASTM F1346-91 requirements
- Full UL listing
- Bonding included with all automatic systems
- Automatic water-removal cover pump included

Mechanism
- Exclusive Corr-Resist end hubs with stainless steel, designed for salt water systems
- Marine-grade anodized aluminum frame and bracket
- Limited lifetime warranty
- Exclusive positive-shift system
- Exclusive Corr-Resist rope reel with stainless steel side plates designed for quiet operation
- Standard electric system comes with either the slip clutch or auto-shutoff

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- Exclusive positive-shift system
- Exclusive Corr-Resist rope reel with stainless steel side plates designed for quiet operation
- Standard electric system comes with either the slip clutch or auto-shutoff
Pricing based on motor mechanism being installed one foot from pool edge, motor position on left or right.

**TRACK SPACE x POOL LENGTH = COVER SQUARE-FOOT PRICING**

Track widths over 25’ or lengths over 65’ require factory approval (maximum track space is 36’).
Cost Considerations

Excavation/Plumbing
- Housing excavation
- 3” drain for housing drain—drain to air or drain to pit
- 3” conduit for hydraulic-unit housing

Electrical
- 1/2” Conduit for mechanism power
- Electric run to key switch
- 15-amp GFCI dedicated circuit for mechanism at panel (20 AMP for hydraulic)
- Electric runs over 50’ require heavy-gauge wire
- Electrical run for accessory board
- 1/2” Conduit (for low voltage wires) required with Auto-shutoff/CoverLink wired controls

Concrete
- Concrete, gunite or shotcrete box, minimum 6” thick, 3500 PSI, (no rebound)
- Additional deck around housing/mechanism
- Tile on lower beam, beam cover or other

Cover/Mechanism
- Unit price based on track space x pool length including steps, plus options
- Track space 25’ 6” or more may require a larger main mechanism tube and larger leading edge for fabric

Track
- Underside™ track or Universal track standard
  - Track channel for concrete or fiberglass pools (2 or 3 sided)
  - Flush track
  - SnapTop™ track
  - Vinyl-liner pool coping 90°, 45°, 6” radius or 24” radius
  - Track channel for vinyl-liner pools
  - Vanishing edge 45° or 90°
  - Painted track extrusions

Housing
- Aluminum lid, bench frame or fiberglass ends standard
  - Painted lid extrusions
  - Aluminum Lids: Standard, Bezel™ lids, or Flush Mount
  - Walk-on Vanishing Lid™ trays
  - Bench for deck-mounted mechanism

Power/Controls
- 110 V motor and hard-wired 3-wire key standard
  - Auto-shutoff control with amp limit
  - Wireless CoverLink™ digital touchpad control
  - Wired CoverLink digital touchpad control
  - Water-feature shutoff/accessory board
  - Hydraulic pump with hydraulic hoses
  - Jandy iAquaLink™ interface & control
**SLIP CLUTCH**
- Stainless-steel and aluminum construction
- Long-wearing industrial-grade friction material (not plastic)
- Waterproof and temperature-proof operation
- No replacement parts needed
- Lifetime warranty

**AquaLink® Interface Board**
- Covers status controls pool features
- View if cover is open/closed
- Reduce the filter pump time
- Adjust AquaPure output
- Turn off water features, lights, and booster pump when the pool is covered.
- Connect to an iPhone

**EXCLUSIVE! HYBRID END HUB with CORR-RESIST™ components**
- Stainless steel and Corr-Resist™ components
- Designed for mineral sanitizing systems
- Minimizes salt corrosion
- Can be retrofitted to previous models

**NEW GLIDER STOP**
- Prevents glider from running past the track
- Ensures cover stops in correct position
- Attaches to track

**ROLLER TUBE BRAKE**
- Stainless-steel brake adjuster
- Easy to adjust
- Keeps cover taught

**3/4 hp WATERPROOF MOTOR**
- 3/4 hp, 41 rpm, 1600 in-lbs of torque
- Capacitor-start, capacitor-run
- O-ring sealed and potted wire-entry points
- Stainless-steel gears with sealed permanent grease
- UL Listed

**QUAD-CORE™ 18 oz FABRIC COLORS**
- Dusky blue
- Royal blue
- Light blue
- Aqua
- Forest green
- Beige
- Tan
- Brown
- Gray
- Slate gray
- Black

**LOW-STRETCH ROPE**
- 70,000 cycle loading fatigue life
- Attached with double-sewn, Dabond® bonded polyester thread.

**ULTIMATE™ ROPE**
- 100,000 cycle loading fatigue life
- Stainless steel core
- 70,000 cycle loading fatigue life

**EXCLUSIVE! HYBRID ROPE REEL with CORR-RESIST™ components**
- EZ-Lock rope reel system for simple cover alignment
- Choose between ratcheting or locked rope reels
- Easy adjustment on out-of-square pools
- Simple adjustment of cover alignment
- Simple change-over to locked or unlocked reels
- Can be retrofitted to previous models

**POSITIVE SHIFT SYSTEM**
- All stainless-steel shaft and shifting-dog components
- No shear pins or bolts
- 3/8" solid stainless-steel drive dowel

**WEBBING STOP BLOCK**
- Simple installation to set cover travel length
- Clamps design allows easy adjustment

**KEY SWITCH**
- Three-way switch for control of: 1)プールの開閉、2)プールの清掃、3)プールの効率化
- Mounts in standard switch box
- NEW brushed stainless steel faceplate (high voltage only)

**COVERLINK™ CONTROL**
- 10-number wireless or wired touch pad
- Wireless systems use secure FM-radio technology with signal lock
- Fits in a single gang box
- Uses 4 AA batteries
- The in-ground pool cover control technology with signal removal technology and stainless steel quill

**AUTO-SHUTOFF WITH AMP LIMITER**
- Compact potted waterproof design
- Adjustable amp limiter overload safety circuit
- LED indicator and diagnostic lights
- Optional water-feature control board (can control 12- and 24-volt motorized valves or pump motors up to 30 amps)

**WEBBING STOP BLOCK**
- Simple welding design
- No need for a separate welding service
- Covers "no stretch" or "shrink" environmental issues
- Supports durability in a pool

**STAINLESS STEEL CABLE**
- Superior durability in a pool environment
- Does not stretch or shrink, reducing realignment service calls
- Simple welding design
- Covers "no stretch" or "shrink" environmental issues
- Supports durability in a pool

**1375 in-lbs at 2 rpm, Original Ultimate® High-Torque Motor**
- UL Listed
- 70,000 cycle loading fatigue life
- Stainless-steel quill with mechanical grease
- With granite plates
- 1/3 hp, 1 rpm

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- Stainless steel core
- 70,000 cycle loading fatigue life

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