

Installation Instructions
Step-Saver® Recessed Mount
Power Wheel™

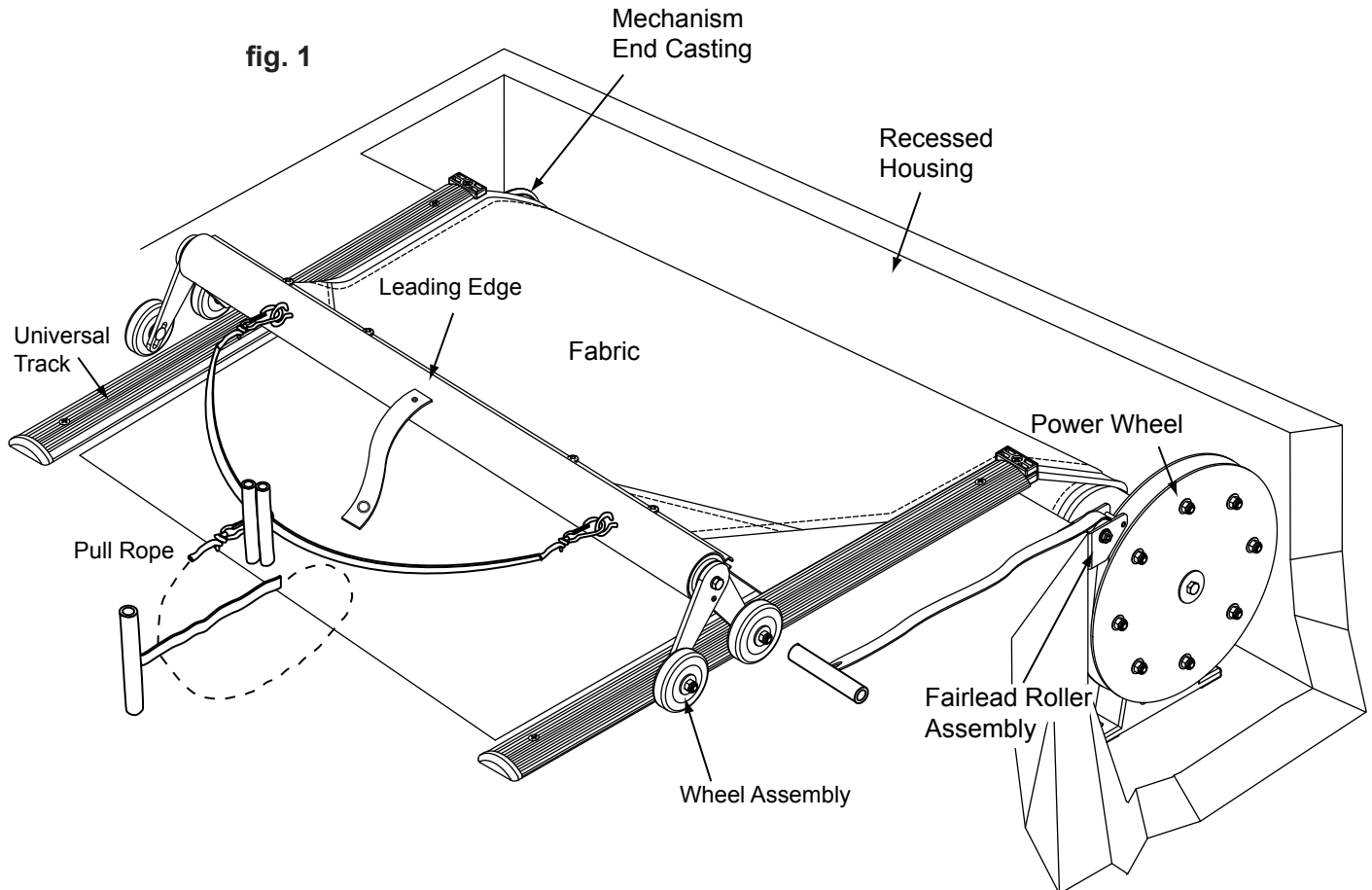
The Cover Pools® Step-Saver is a manual pool cover mechanism. The Power Wheel enables the Step-Saver to be installed in a recessed box. In addition, larger pool covers can be opened by one person using the pull rope on the Power Wheel.

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1. Step-Saver® Recessed Mount Pool Cover Mechanism

To uncover the pool, use the hand crank or optional power wheel. To cover the pool, attach the pull ropes to the front of the leading edge and pull it evenly to the opposite end.



2. Tools or Equipment

- 1/2" Wrench or Socket assembly
- Measuring Tape
- Countersink (Recommend 1/2" to 5/8")
- #3 & #2 Phillips Power Bit or Driver
- 9/64" Drill Bit
- 5/32" Drill Bit
- 11/64" Drill Bit
- 7/32" Drill Bit
- 1/4" Masonry Drill Bit
- 5/16" Drill Bit
- 5/8" Masonry Drill Bit
- Saw for Cutting Aluminum
- Level
- Drill
- File (Recommend 7/16" Wide x 9/64" Thick - Half-round)

3. Track Parts

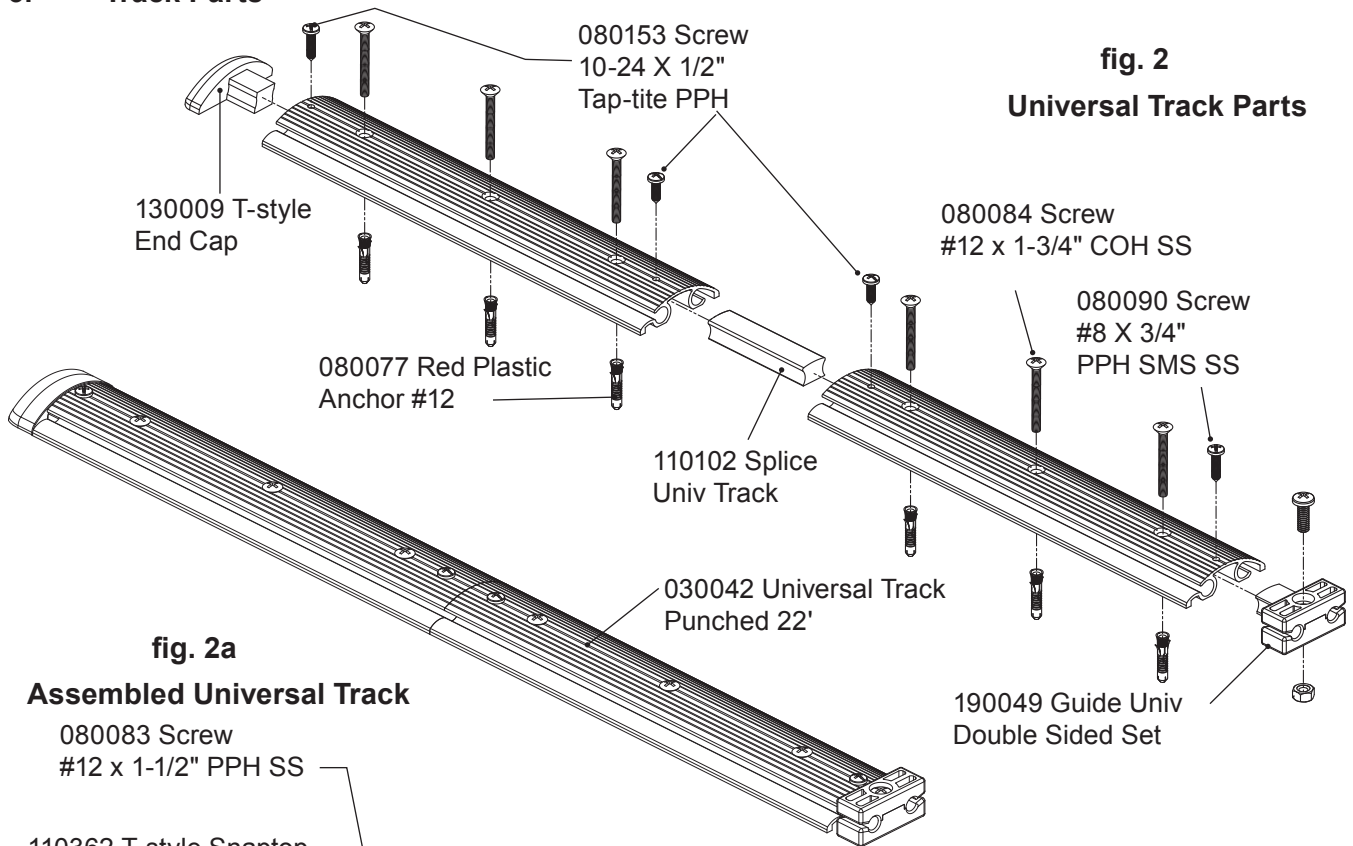


fig. 2

Universal Track Parts

fig. 2a

Assembled Universal Track

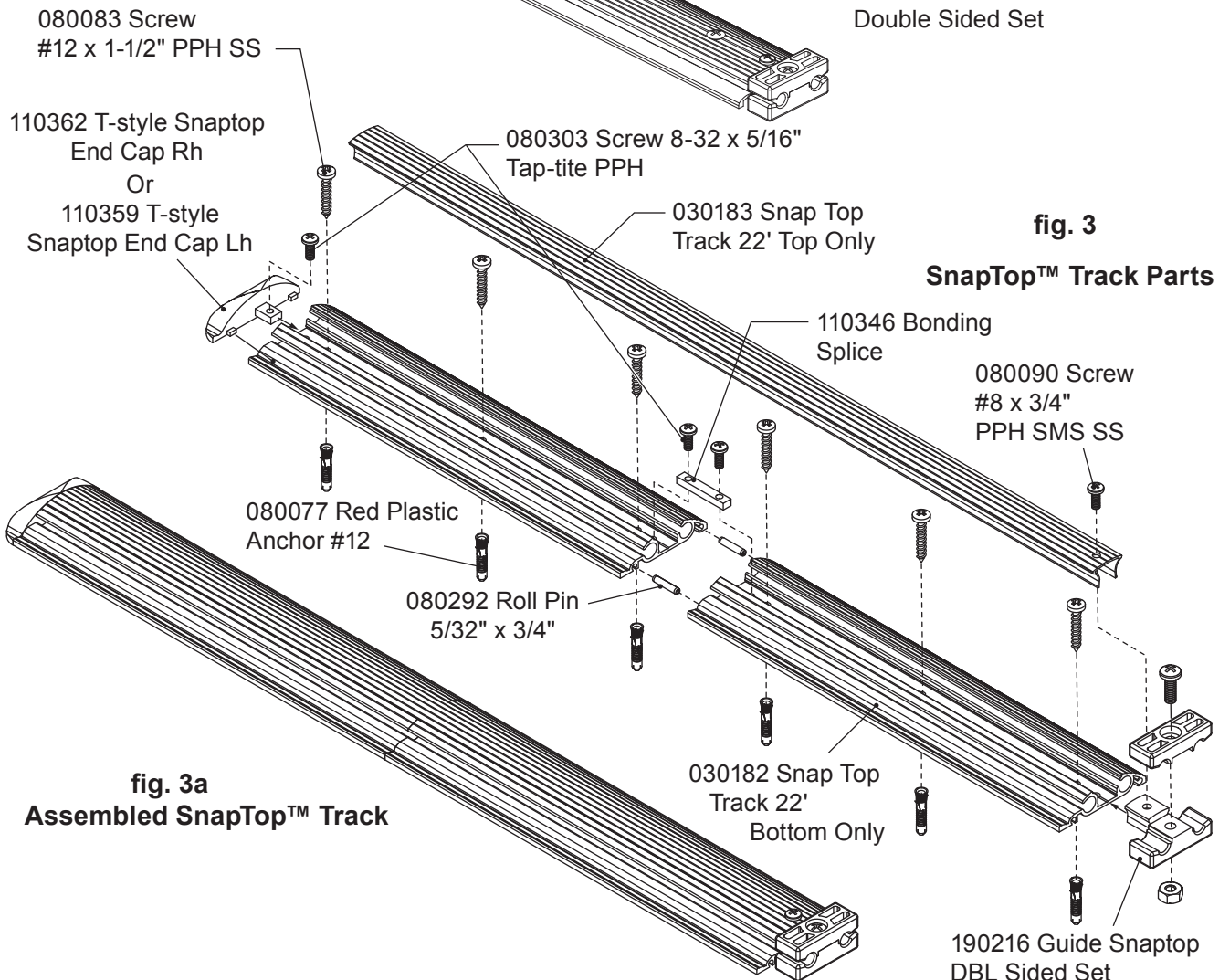


fig. 3

SnapTop™ Track Parts

fig. 3a

Assembled SnapTop™ Track

4. Layout the Track

4.1 Track layout. (fig. 4 & 5)

Check the specified "Track Space (T.S.)" as written on the shop order form or packing list.

The track space is the distance from the inside edge of the track to the inside edge of the track plus 1". (fig. 4)

- 4.1.1 Lay the tracks out at right angles to the mechanism with the track slots facing the pool.
- 4.1.2 Place the track ends 2' beyond the far end of pool and 1" into the recessed box to allow for guides and bonding.
- 4.1.3 Cut any excess track off squarely at the mechanism end.

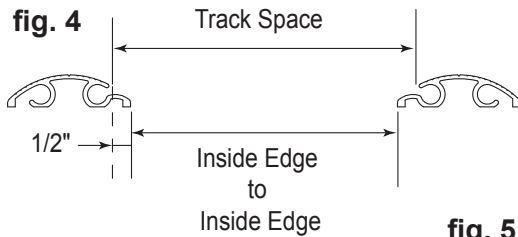
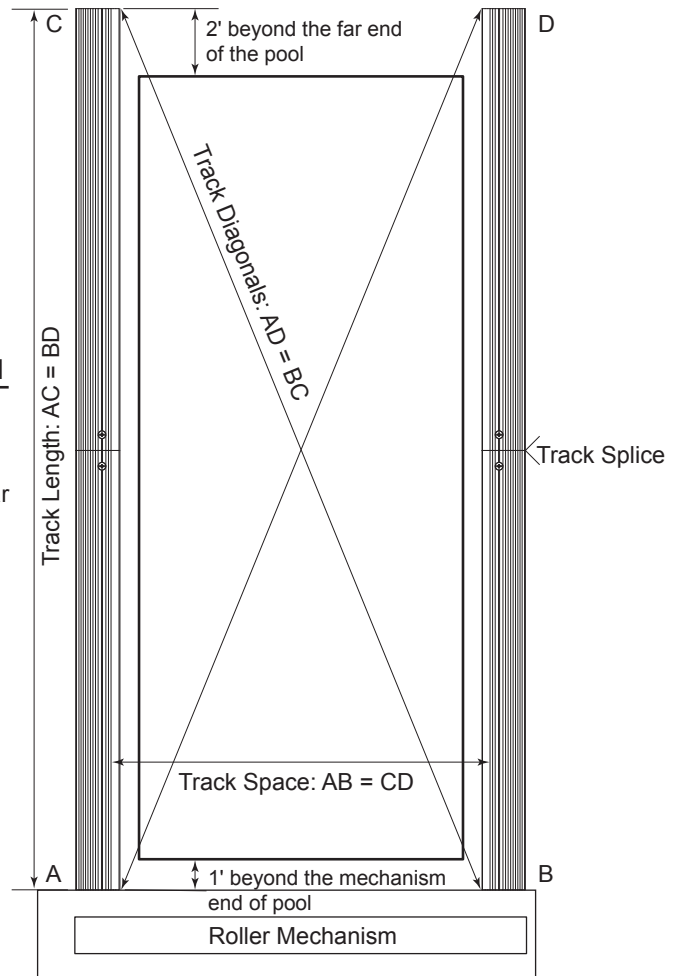


fig. 5

ATTENTION CRITICAL INSTRUCTION

- 1. Tracks must be equal length.
- 2. Tracks must be parallel.
- 3. Tracks must be squared.
- 4. Tracks must be perpendicular to the mechanism.



4.2 Squaring the track. (fig. 5)

Note: For SnapTop™ Track, use the track bottom sections for layout. Plan for all joints between the top and bottom pieces to be offset.

- 4.2.1 Measure the track space at both ends and in the middle to ensure the tracks are parallel.
- 4.2.2 Measure the diagonals to ensure a perfectly squared track layout.
- 4.2.3 Mark the track position with a pencil at the ends and several places in between.
- 4.2.4 Hold the track in position and mark the hole positions with a pencil or 1/4" masonry drill bit.
- 4.2.5 Move the tracks and drill 1/4" holes 2" deep at the marked hole locations.
- 4.2.6 Blow or vacuum the dust out of the holes.
- 4.2.7 Insert red plastic anchors into the drilled holes and tap them into place.

5. Install the Universal Track

Note: *If using SnapTop™ track, skip to the next section for proper installation procedure.*

5.1 Bevel & de-burr track ends. (fig. 6 & 7)

- 5.1.1 Use a file or countersink on all track ends to de-burr and bevel them, especially the pool-side rope channel.

5.2 Install the track splice. (fig. 8)

- 5.2.1 Use a track splice to join squarely cut track ends.
- 5.2.2 Make sure the tracks are held tightly together.
- 5.2.3 Drill a 5/32" hole through each track and into the splice.
- 5.2.4 Use #10 x 1/2" screws to fasten the splice and track together.

5.3 Install the track guides. (fig. 9)

The double sided guide consists of two halves that are installed at the mechanism end of the track.

- 5.3.1 Place both halves together and secure with the bolt and nut provided.
- 5.3.2 Insert the stem of the guide into the track. Make sure the bottom of the guide is parallel with the bottom of the track and tight against the track end.
- 5.3.3 Drill a 9/64" hole through the track and the guide.
- 5.3.4 Secure the guide in place with a #8 x 3/4" screw.

5.4 Install the end cap. (fig. 10)

The end cap is installed on the far end of the track.

- 5.4.1 Make sure the bottom of the end cap is parallel with the bottom of the track and tight against the track end.
- 5.4.2 Drill a 9/64" hole through the track and end cap.
- 5.4.3 Secure the end cap in place with a #10-24 x 1/2" tap-tite screw.

5.5 Install the track. (fig. 4)

Install the tracks and secure them to the deck surface.

- 5.5.1 Place the tracks in their original position and secure with #12 x 1 3/4" screws.

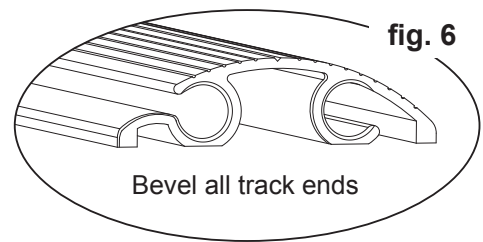


fig. 6

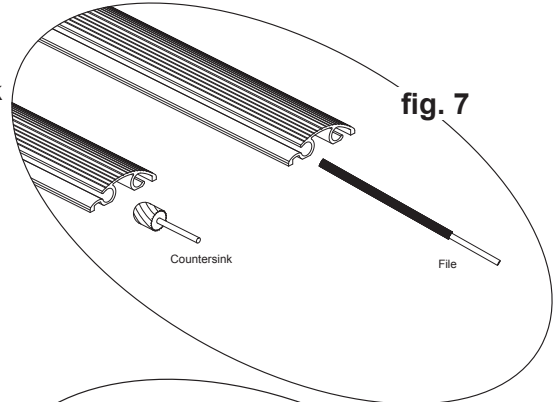


fig. 7

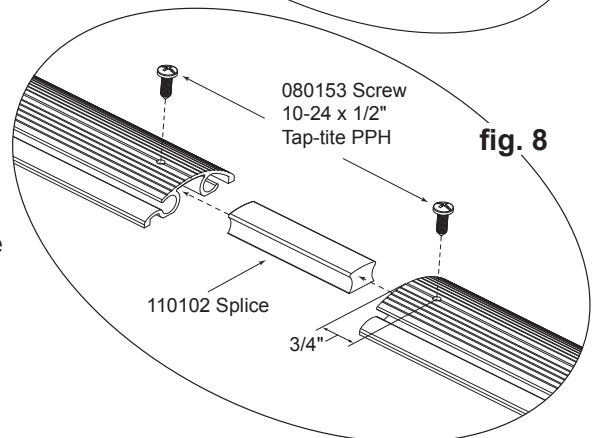


fig. 8

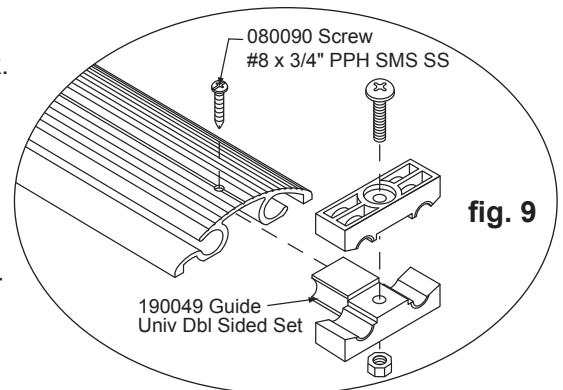


fig. 9

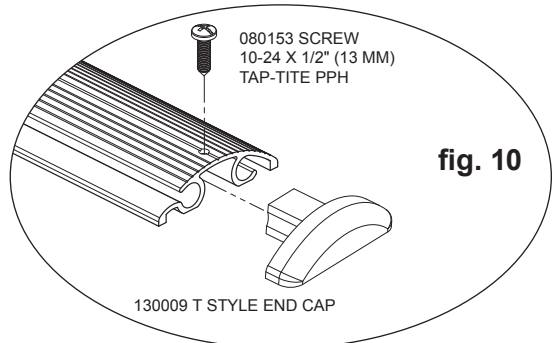


fig. 10

6. Install the SnapTop™ Track.

Note: *If using Universal track, refer to previous section for proper installation procedure.*

6.1 Bevel & de-burr track ends. (fig. 11)

- 6.1.1 Use a file or countersink v on all track ends to de-burr and bevel them, especially the pool-side rope channel.

6.2 Install the track bottom. (fig. 11a)

- 6.2.1 Replace the track bottom to its original position. Tap two 5/32" x 3/4" roll pins into the slots in the track 3/8" deep (halfway). Press a second track bottom onto the roll pins. Attach the remaining track bottoms to each other in the same way.

- 6.2.2 Secure with two #12 x 1-1/2" screws.

6.3 Install the splice. (fig. 11a)

- 6.3.1 Install bonding splice at all track joints to ensure continuity of electrical bonding.
- 6.3.1.1 Using the bonding splice as a template drill two 1/8" holes at the joints.
- 6.3.1.2 Attach bonding splice using two 8-32 x 5/16" tap-tite screws.

6.4 Install the end cap. (fig. 11b)

- 6.4.1 Push the T-style SnapTop end cap RH or T-style SnapTop end cap LH tightly against the far end of the track. Align the stem with the center line drill mark.
- 6.4.2 Drill a 1/8" hole through stem and track bottom.
- 6.4.3 Secure the end cap in place with 8-32 x 5/16" tap-tite screw.

6.5 Install the track top. (fig. 11c)

- 6.5.1 Install the top beginning at the far end by pressing straight down until it snaps into place.
- 6.5.2 Be sure to offset all track bottom joints from the track top joints.
- 6.5.3 Cut excess track top from the mechanism end flush with the track bottom.

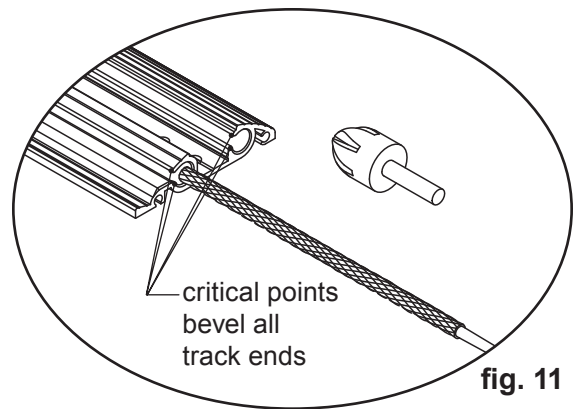


fig. 11

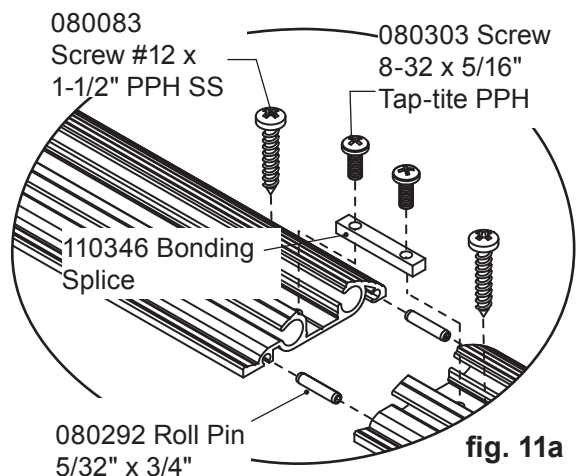


fig. 11a

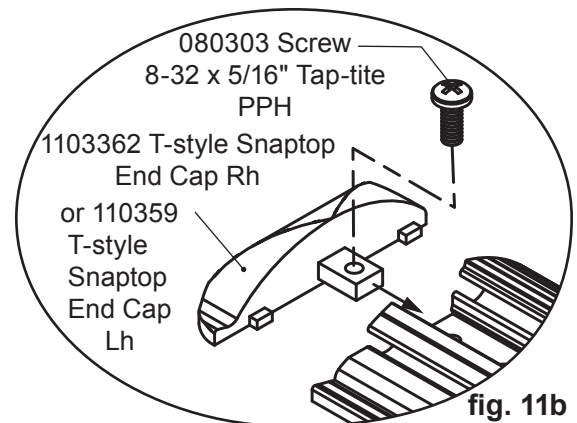


fig. 11b

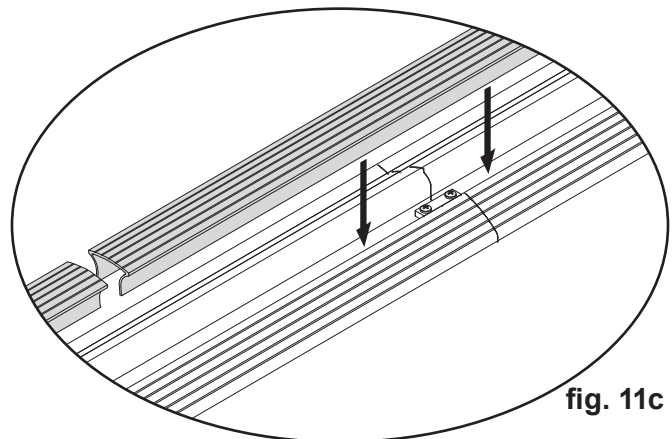


fig. 11c

6.6 Install the track guide & bonding lug. (fig. 11d)

Note: *The track top must be in place before the track guide can be installed.*

- 6.6.1 Place both halves of the guide together and secure them with the bolt and nut provided.
- 6.6.2 Insert the stem of the guide into the end of track flush against the track end.
- 6.6.3 Drill an 11/64" hole through the guide stem and track assembly.
- 6.6.4 Insert the 8-32 x 1" screw through the hole and add the starwasher and ground lug on the underside of the track.
- 6.6.5 Secure the assembly with an 8-32 nylock nut.

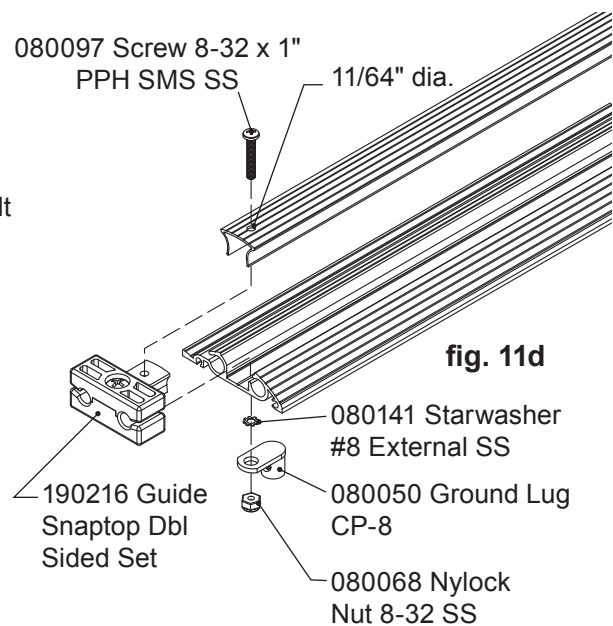


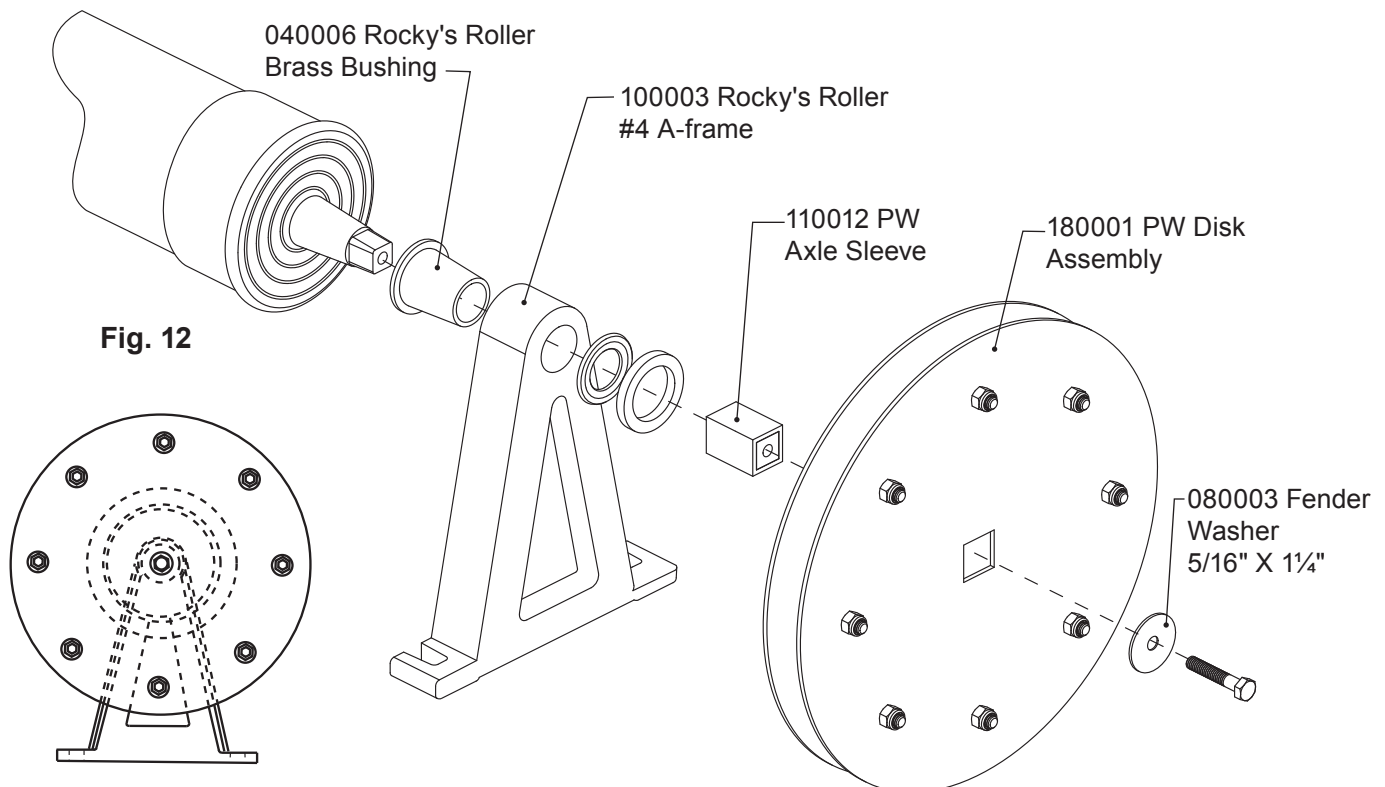
fig. 11d

7. Install the Power Wheel™

The Power Wheel replaces the crank handle on the Rocky's Eazy Roller®. The Power Wheel makes opening large pool covers easier.

7.1 Replace the handle with the Power Wheel. (fig. 12)

- 7.1.1 Insert the tube into the hub.
- 7.1.2 Use the instructions in the Rocky's Eazy Rollers kit to assemble the tube and roller.
- 7.1.3 Install the Power Wheel in place of the handle with the nuts facing away from the tube and secure with the bolt.



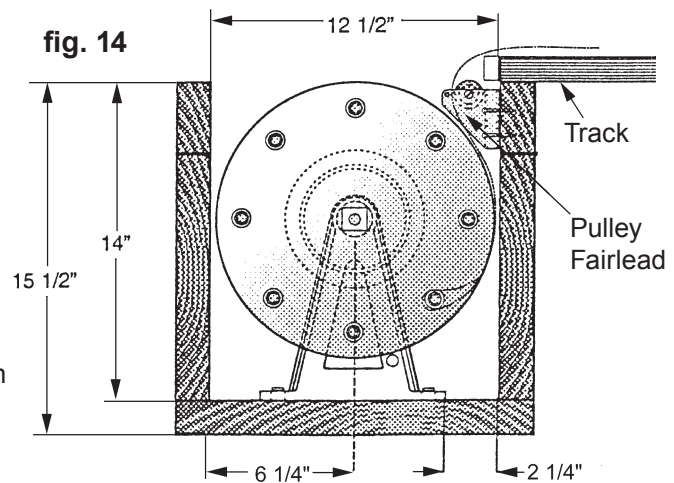
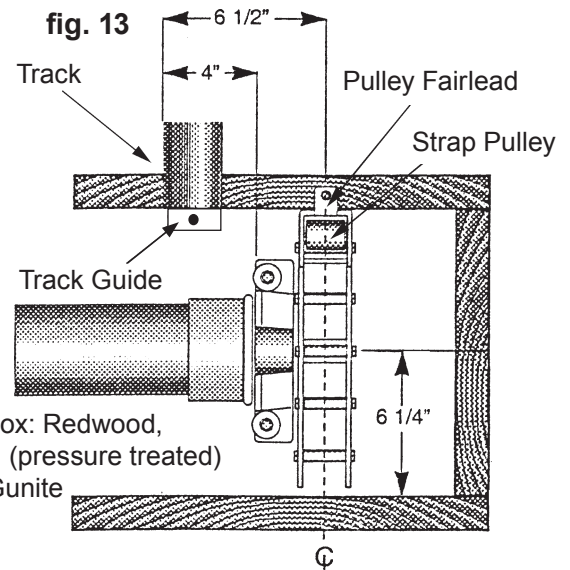
7.2 Install the Rocky's Eazy Rollers®. (fig. 13 & 14)

- 7.2.1 Center the tube in the track space.
- 7.2.2 Center the assembly front to back.
- 7.2.3 Level the assembly.
- 7.2.4 Secure the assembly to the bottom of the recessed box with the anchor bolts provided.
- 7.2.5 Install the pulley fairlead just below the top of the deck and on the center of the Power Wheel™ with two #12 x 1 3/4" screws.

7.3. Install the pull strap to the Power Wheel.

- 7.3.1 Remove one cross bar from the Power Wheel, insert bar into loop of strap, and reinstall the cross bar.
- 7.3.2 Pull strap feeds from the bottom of the Power Wheel.
- 7.3.3 Hand wrap strap around Power Wheel, be careful not to twist strap.
- 7.3.4 Leave enough strap to thread strap through pulley fairlead and into handle.

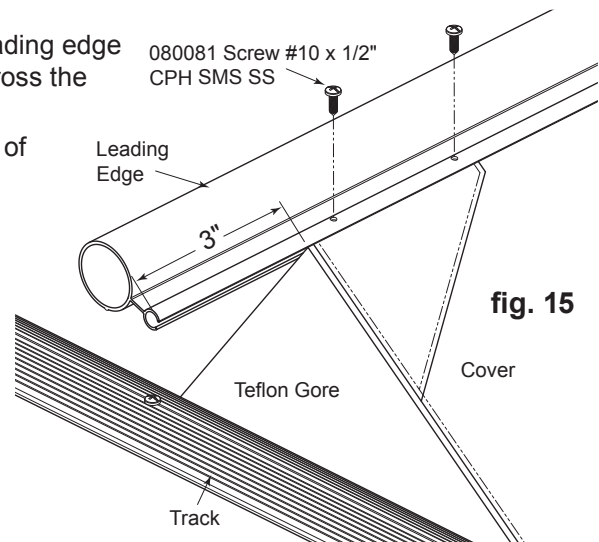
Recessed Box: Redwood,
Wolmanized (pressure treated)
Lumber or Gunite



8. Install the Fabric & Leading Edge

8.1 Install the fabric to the leading edge. (fig. 15)

- 8.1.1 Unroll the fabric at the mechanism end of the pool with the Cover-Pools labels facing up. The labels must be visible when the pool is covered.
- 8.1.2 On one side of the pool, insert the cover webbing through the guide and about 1' into the track.
- 8.1.3 On the opposite side, pull the corner of the fabric tight and slide the leading edge onto the front of the fabric.
- 8.1.4 Leave the teflon gore outside of the leading edge channel and slide the leading edge across the front of the fabric to the opposite side.
- 8.1.5 Set the fabric in about 3" on both ends of the leading edge.
- 8.1.6 Evenly compress any extra fabric into leading edge channel.
- 8.1.7 Insert the opposite edge of the cover webbing through the guide and about 1' into the track.
- 8.1.8 Pin through the pre-drilled holes on both ends of leading edge into the fabric using pinning screws.



8.2 Install the wheel assembly. (fig. 16 & 17)

The wheel assembly is installed and attached to the leading edge.

- 8.2.1 Insert the wheel assembly plug into the leading edge. (fig. 16)
- 8.2.2 Drill a 5/32" hole through the leading edge into the plug at the 10 & 2 o'clock positions. (fig. 17)
- 8.2.3 Pin the plug to the leading edge with #10 x 1/2" screws through the drilled holes.
- 8.2.4 Loosen the wheel plug bolt to adjust the leading edge height.
- 8.2.5 Set the bottom of the leading edge approximately 2" above the track.
- 8.2.6 Tighten the wheel plug bolt until it is snug.
- 8.2.7 Drill a 7/32" hole through the two wheel arms; **do not drill into the plastic wheel hub.**
- 8.2.8 Pin the wheel arms together with a #12 x 1-1/2" Screw (080083) through the drilled holes and into the wheel hub.

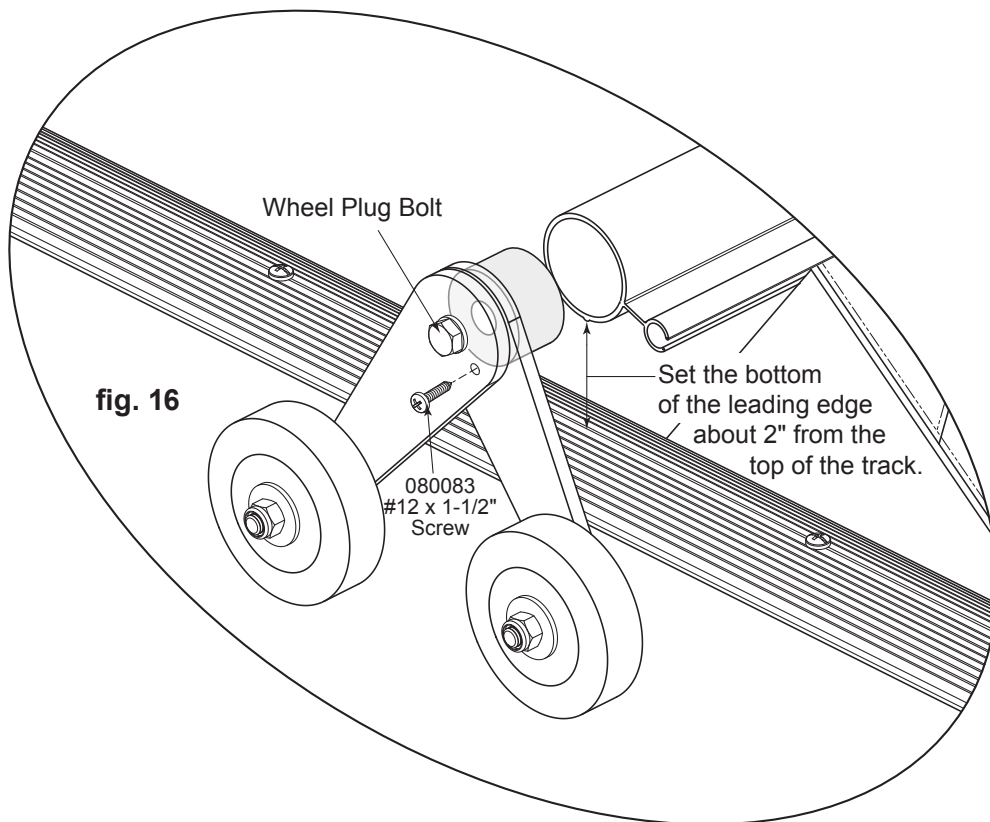
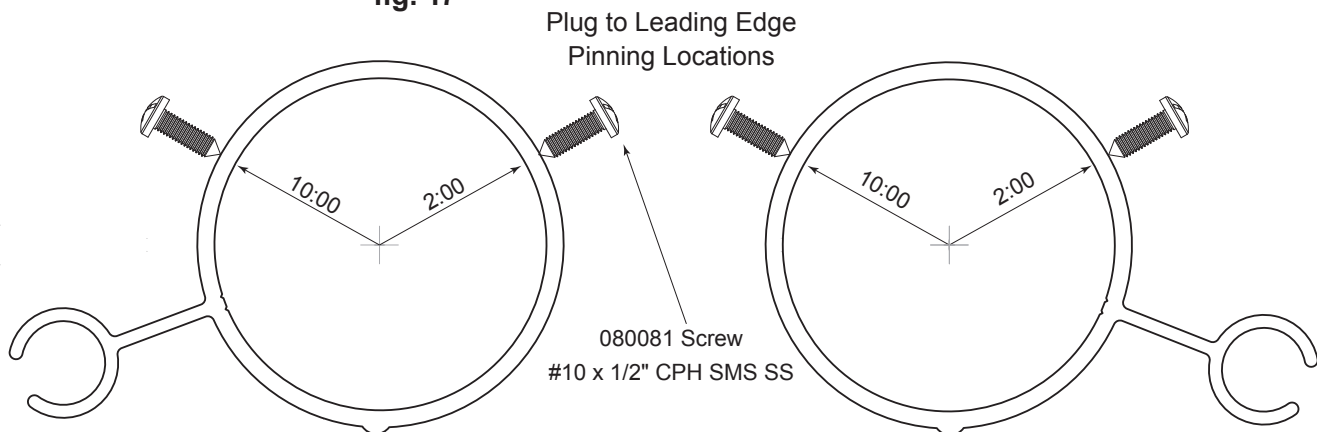


fig. 17



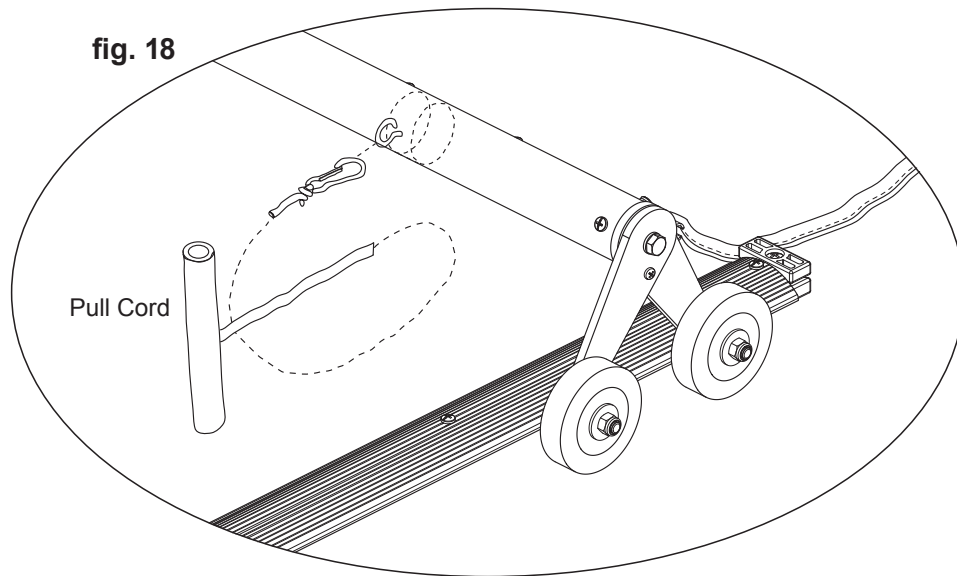
8.3 Attach the pull cords. (fig. 18 & 19)

The pull cords are attached to the leading edge and used to cover the pool.

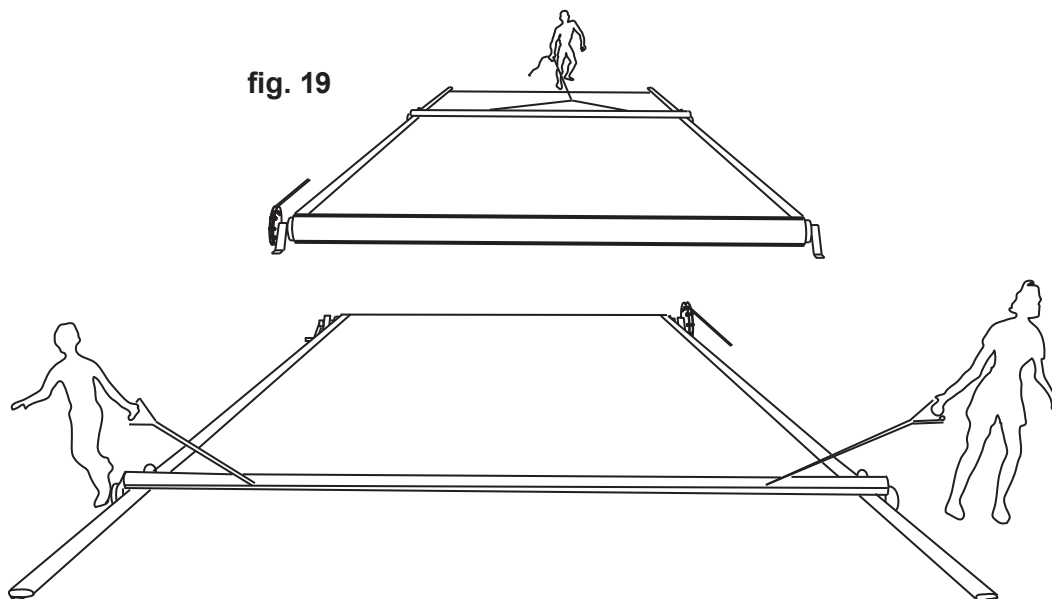
8.3.1 **Two-person operation:** attach the pull cord clips to the eyelets on the leading edge.

8.3.2 One-person operation: attach the pull cord clips to the eyelets on the leading edge and attach the third pull cord clip to the ropes just below handles.

8.3.3 To cover the pool, pull the cords and leading edge evenly on both sides. When closing, if the leading edge advances unevenly, it will bind and be hard to pull.



Small covers require one person to close or open the cover.
Large covers may require two people to close or open the cover, one person on each side.



8.4 Attach the fabric to the roller tube. (fig. 20)

8.4.1 Pull the fabric under the tube in a straight line from the guide and webbing roller.

8.4.2 Pin with #10 x 1/2" screws.

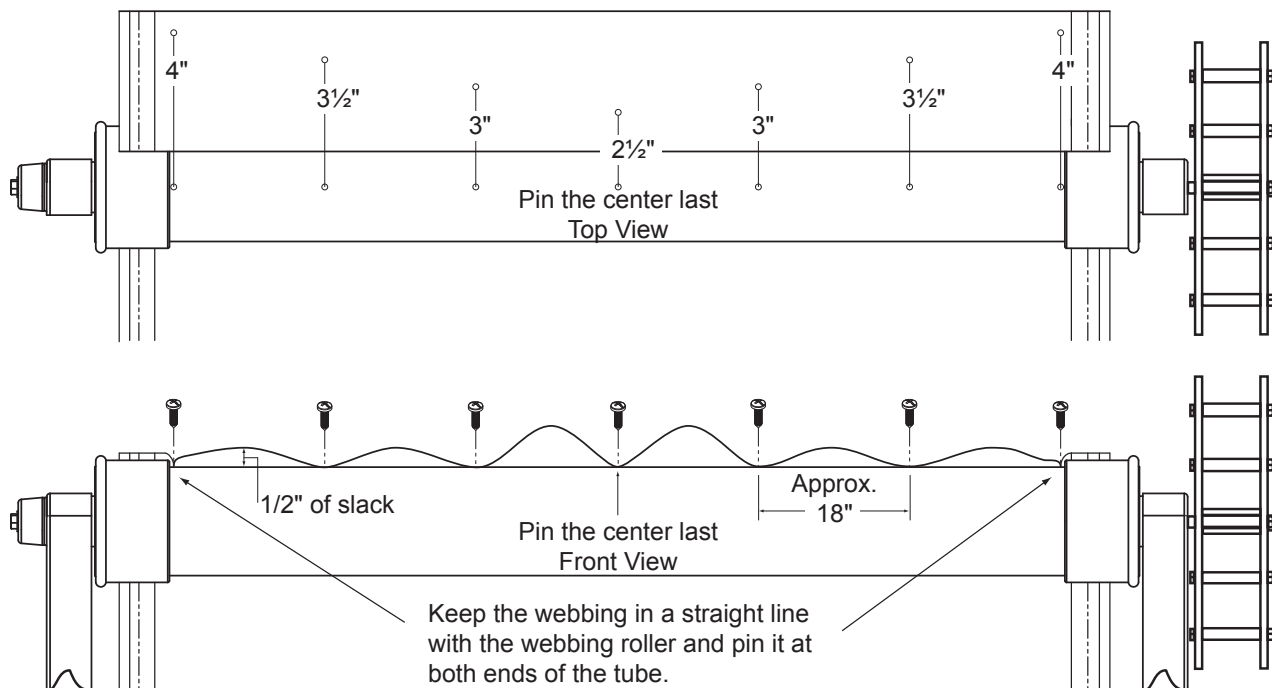
8.4.2.1 First, pin the webbing to the pre-drilled holes on both ends of the roller tube.

8.4.2.2 Leave 1/2" of slack in the fabric and pin the fabric to the next pre-drilled hole.

8.4.2.3 Continue pinning the fabric (except the center) to the roller tube at each pre-drilled hole.

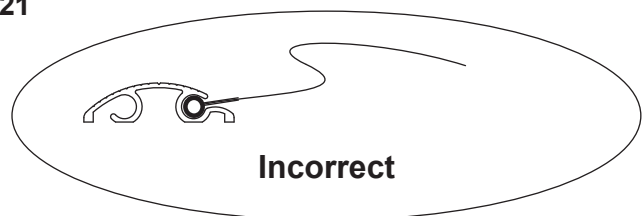
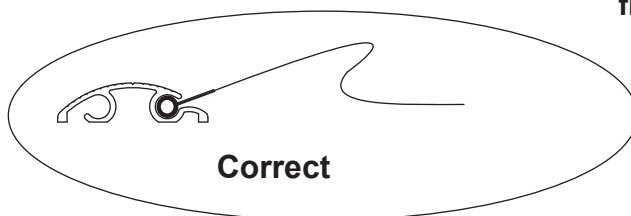
8.4.2.4 Find the center of the fabric and pin it to the roller tube.

fig. 20



8.4.3 As the fabric is rolled onto the roller tube, fold the extra fabric toward the center.

fig. 21



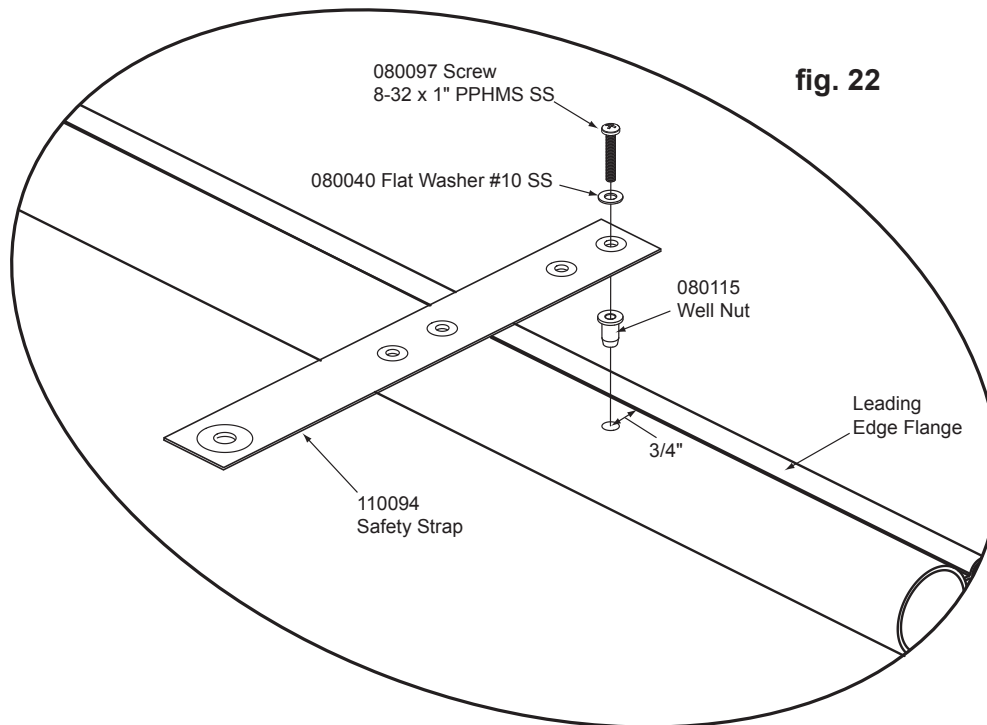
9. Safety Requirements for A.S.T.M. Compliance

Safety Strap: (A.S.T.M. COMPLIANCE INSTRUCTION)

The safety strap is used to prevent a force from creating an opening between the leading edge and the deck.

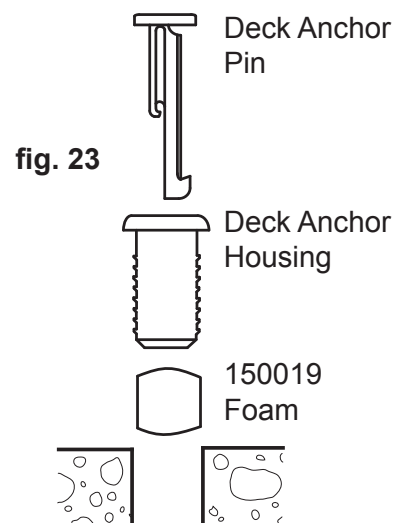
9.1 Install safety strap.

- 9.1.1 Use the pull cord and cover the pool. (fig. 22)
- 9.1.2 Locate the center of the leading edge and drill a 5/16" hole 3/4" above the leading edge flange.
- 9.1.3 Insert the rubber well nut into the drilled hole.
- 9.1.4 Insert a washer and 8-32 x 1" screw through one of the four small grommets in the safety strap and screw into the well nut. DO NOT TIGHTEN AT THIS TIME.
- 9.1.5 Pull the end of the strap up onto the deck and adjust the strap length.
 - 9.1.5.1 The large grommet must rest flush on the deck and hold the leading edge tightly in place when secured with the deck anchor.
 - 9.1.5.2 Adjust the safety strap length by choosing the proper small grommet.
 - 9.1.5.3 With large grommet resting flush on deck, mark the deck anchor location through the grommet hole.



9.2 Install the deck anchor. (fig. 23)

- 9.2.1 Drill a 5/8" hole through deck at the marked location.
- 9.2.2 Push a 1" x 3/4" diameter piece of expansion foam into the drilled hole a minimum of 2" deep.
- 9.2.3 Push the housing into the hole and lightly tap it into place (NO GLUE REQUIRED).
- 9.2.4 Place the pin through the large grommet in the strap and push it into the deck anchor housing.
- 9.2.6 Tighten the screw in the well nut until the strap is secure.
- 9.2.7 Refer to the Owners Manual for anchor pin removal instructions.

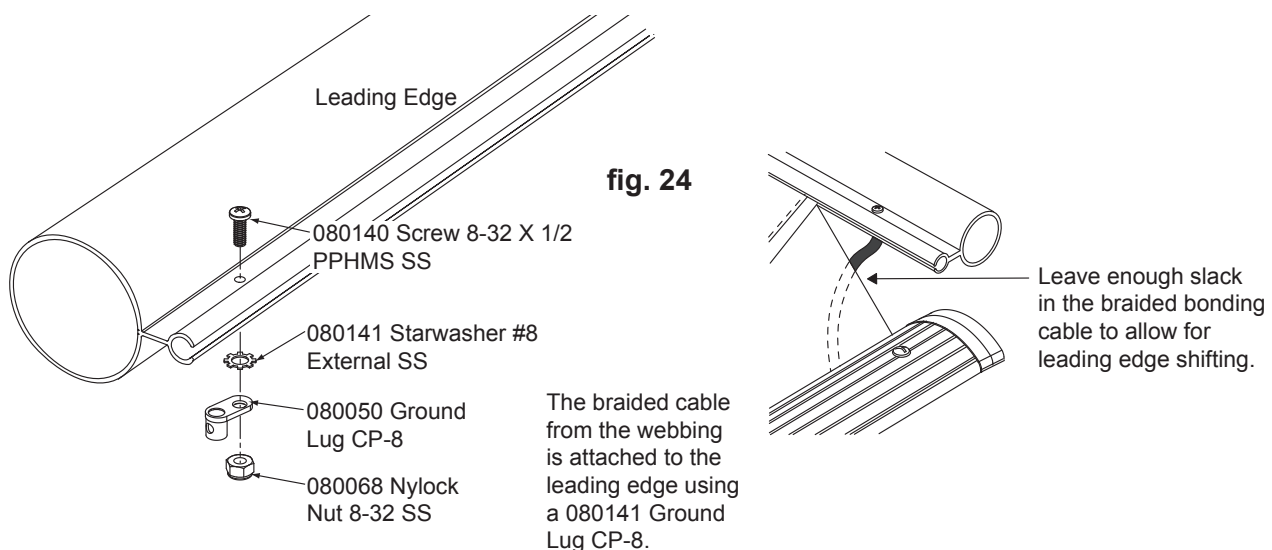


10. Optional Bonding

The National Electric Code requires all metal parts around a swimming pool to be bonded. Check the local code in your area to see if bonding is required. Bonding is achieved by connecting a #8 gauge solid copper wire from the pool-bonding grid to the pool cover mechanism.

10.1 Connect the bonding lug to the leading edge. (fig. 24)

- 10.1.1 Connect the braided cable from the cover webbing to the bonding lug on the leading edge.
- 10.1.2 Leave enough slack in the bonding cable to allow for leading edge shifting.

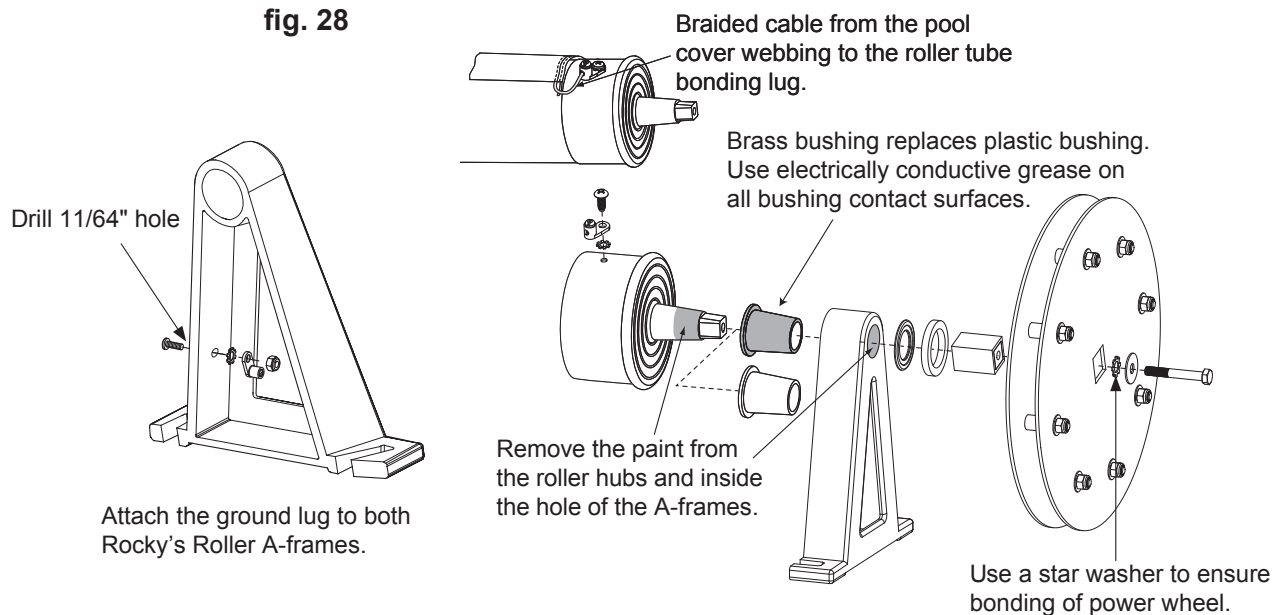


10.2 Connect the bonding lug to the A-frames. (fig. 25)

10.2.1 Connect #8 gauge solid copper wires from the pool-bonding grid to the ground lugs on the A-frames.

10.3 Replace the plastic bushing with the brass bushing. (fig. 25)

10.3.1 On the roller handle side, remove the paint from the roller hubs and inside the hole of the A-frames for bushing conductivity.



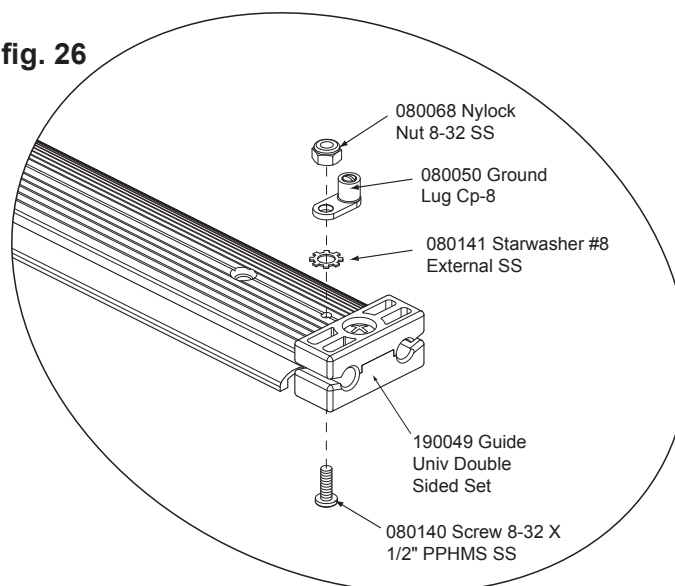
10.4 Connect bonding lug to track. (fig. 26)

10.4.1 Drill an 11/64" hole through the track.

10.4.2 Attach the ground lug to the track.

10.4.3 Connect a #8 solid copper wire from the pool-bonding grid to the ground lug on the track.

fig. 26



11. Install the Brackets & Lid

11.1 Install the lid brackets.

11.1.1 To install the lid brackets see 600969 INSTALL INSTR STANDARD LID BRACKET.

11.2 Install & assemble the lid. (fig. 27)

The lid hinge may need to be cut to length. The hinge section should extend the total outside length of the recessed box. File any cut or rough ends to remove all burrs.

11.2.1 Slide the lid hinge and main lid together (The lid hinge has a "C" shaped opening, which slides onto the back edge of the lid). The lid brackets are mounted flush with the deck surface. (fig. 27)

11.2.2 Install a lid bracket 12" to 18" inside each side of the track space. Space the remaining brackets equally between the two outside brackets.

11.2.3 Place the assembled lid over the recessed box and center the main lid over the track space.

11.2.4 Install the lid ends into the hinge. They may require cutting to fit properly.

11.2.5 Place the lid assembly so it covers the recessed box completely.

11.2.6 Use a 1/4" drill bit and drill holes 3' apart through the hinge into the deck. (For concrete, use a 1/4" masonry bit and red plastic anchors.

11.2.7 Secure the lid with #12 x 1 1/2" screws.

11.2.8 Cut a notch in the lid 1 1/4" by 2" deep directly over the pulley fairlead and file it smooth. (The pull strap should pass through the hole without rubbing).

