

Sectional Recess Housing Kit



*Exclusive Manufacturer of the Hydramatic
Hydraulic Swimming Pool Covers*

AQUAMATIC COVER SYSTEMS

200 Mayock Rd, Gilroy CA 95020 Ph. 800.262.4044 Fax 408.846.1060

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www.aquamatic.com

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Tools needed to complete this installation

- Cordless drill with #2 Philips driver bit
- Measuring tape and marker
- Two foot level
- Reciprocal or circular saw
- Duct tape
- Rubber mallet

Materials needed to complete this installation

- Pressure treated 2" x 6", enough for the length of the housing, plus 4'
example: 16' wide pool = box length of 19'6" + 4' = 23'6" (24' required)
- Two times the length of the box in 2" x 4", this is for structural forming and will be removed later, therefore it does not need to be pressure treated
- 50 - 2" (min) wood screws. Can be longer, just not too short
- MEK catalyst. This will be used for bonding the panels together

STEP 1 PRELIMINARY INSTRUCTIONS

This cover housing consists of:

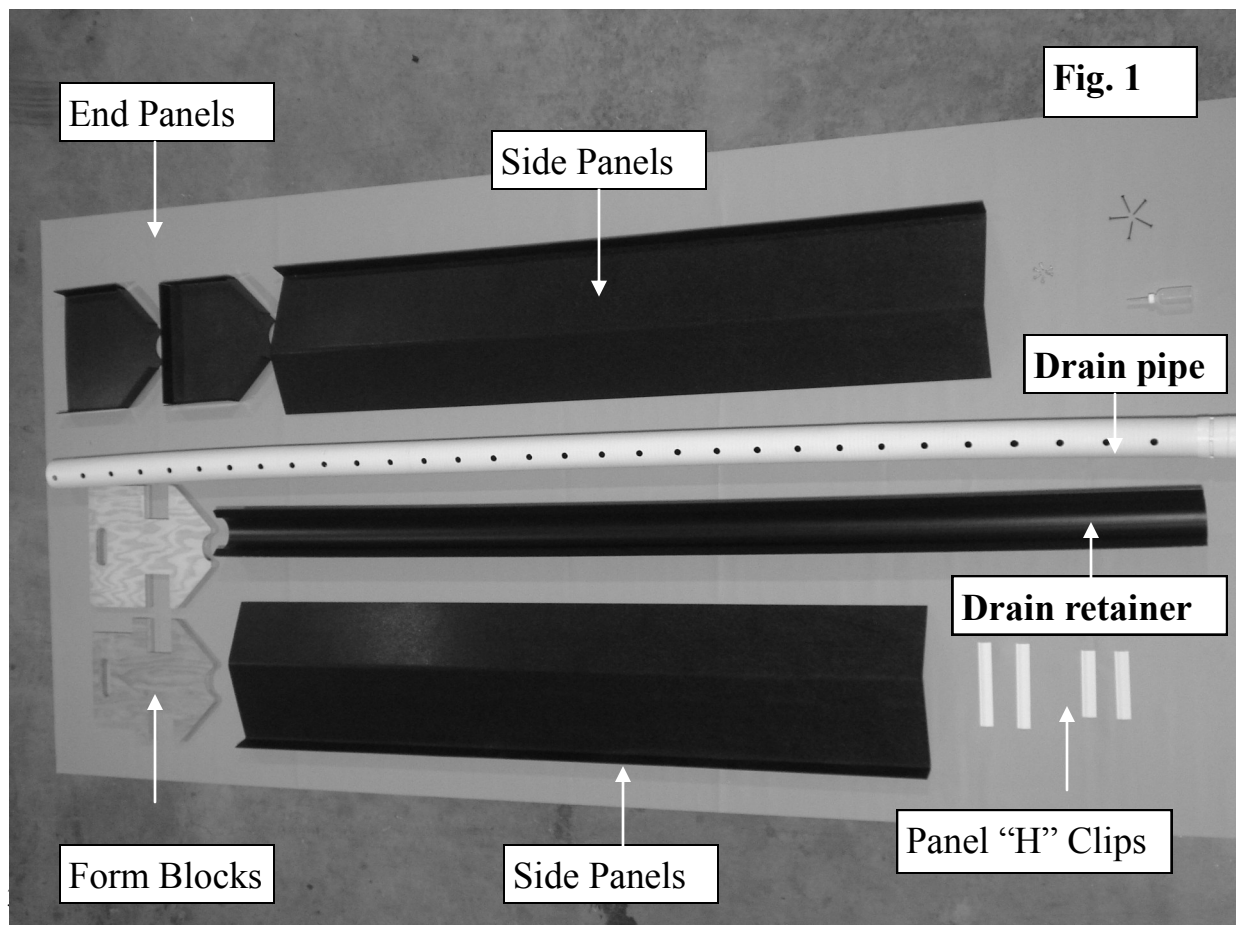
- Side panels, black
- Drain retainer, black
- Corrugated drain, white
- Box Ends, black
- Wood alignment blocks
- Tek Screws
- Plastic panel "H" clip strips
- Empty bottle for MEK catalyst

Tools & Materials required

- Cordless drill
- Measuring tape and marker
- Level
- Reciprocal or circular saw
- Duct tape
- Rubber mallet
- MEK catalyst
- 2" wood screws

Site Requirements prior installation

- Excavate drive end extension 36" beyond track (water) line.
 - Excavate non-drive extension 20" beyond track (water) line.
 - Excavate depth from top of pool panel 16" depth
- 2" Hydraulic chase from equipment pad to drive end of housing**



STEP 2 ASSEMBLY OF THE RECESS HOUSING

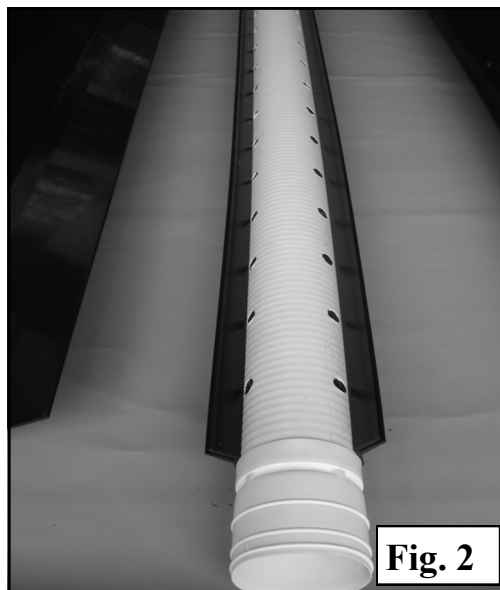


Fig. 2

1. Snap the drain pipe into the drain retainer for the entire length as shown in Fig. 2.
2. With supplied screws, secure the drain pipe to the drain retainer so the rows of holes are visible as shown in Fig. 2.

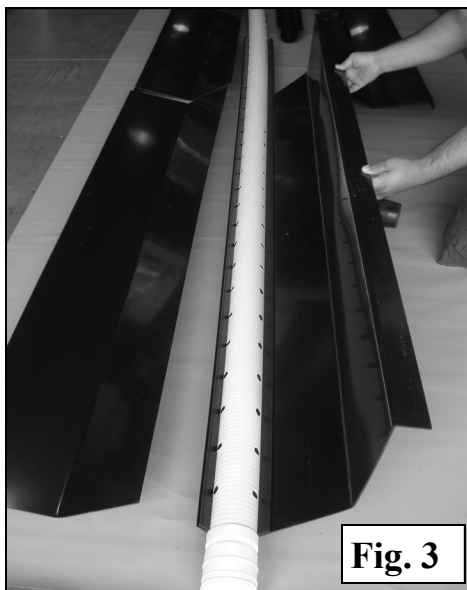


Fig. 3

1. As shown in Fig.3 insert side panels into the clip on the drain retainer.

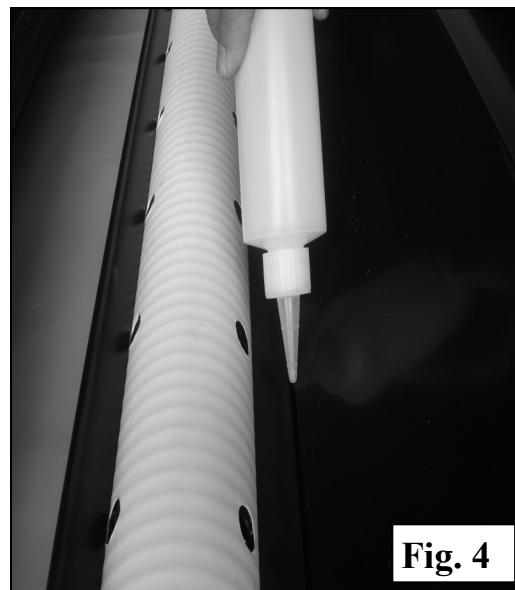


Fig. 4

1. With the side panel in place, apply a bead of the MEK on both sides of the retaining clip. Shown in Shown Fig. 4.

***** Per MEK instructions, Use care in respect to contact with skin.*****

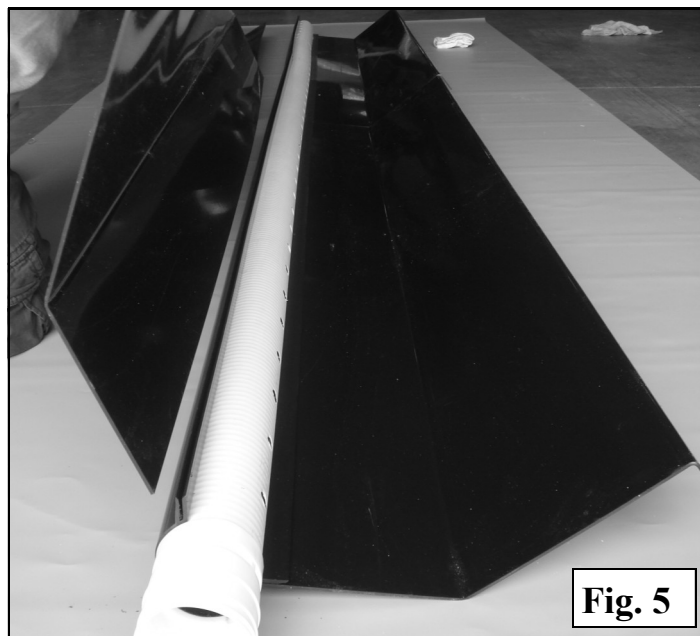


Fig. 5

For the other side, repeat steps as shown in Fig. 5.

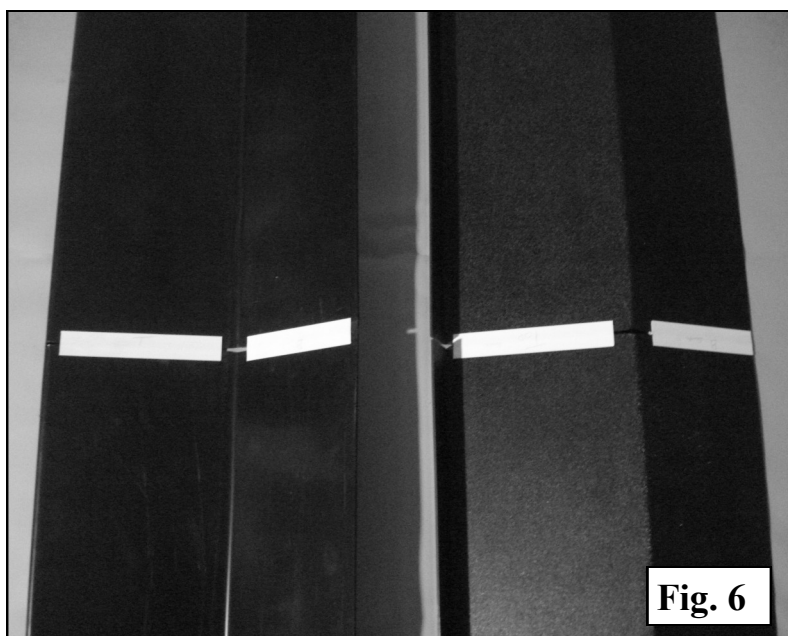


Fig. 6

Snap in pre-cut white plastic "H" clips as shown on all seams. Apply MEK catalyst to all areas.

STEP 2 ASSEMBLY OF THE RECESS HOUSING

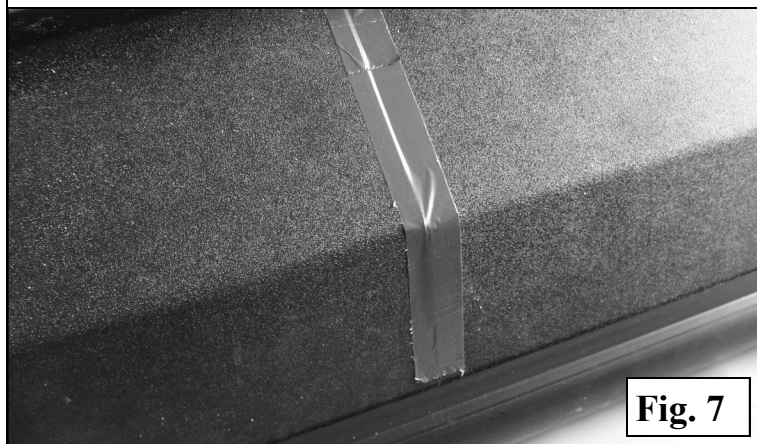


Fig. 7

With all side panels secured with the plastic “H” clips and MEK use duct tape to seal each seam as shown in Fig.7.

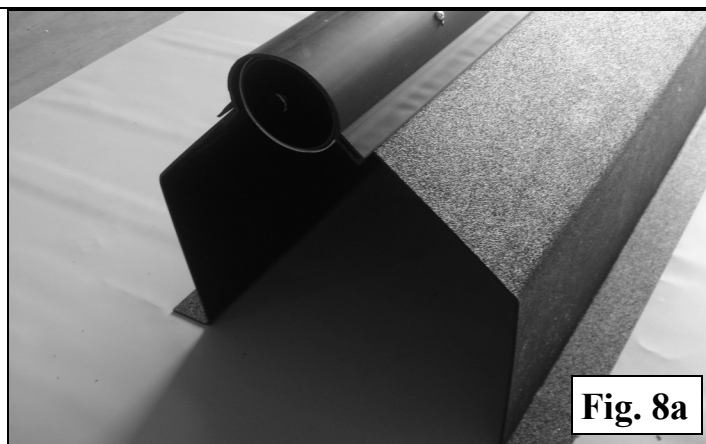


Fig. 8a

To prepare to install the end panel of the recess, invert the housing as shown in Fig 8a.

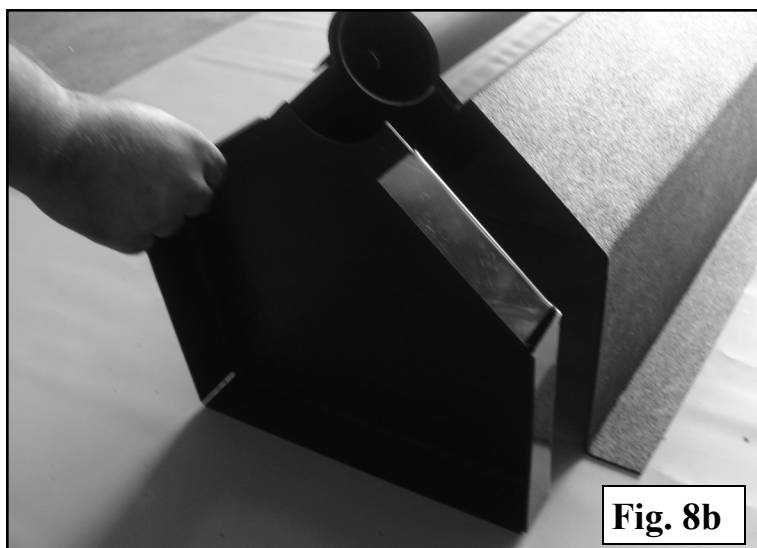


Fig. 8b

Insert end panel as shown in Fig 8b.

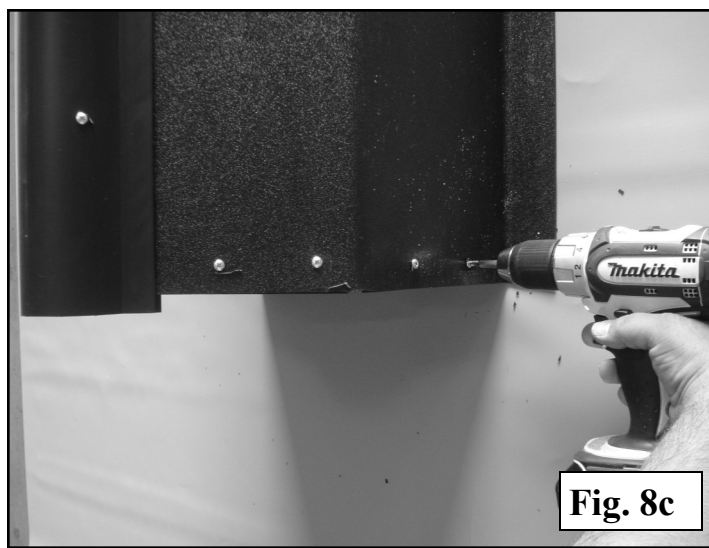


Fig. 8c

Secure end panel with supplied screws as shown in Fig. 8c.

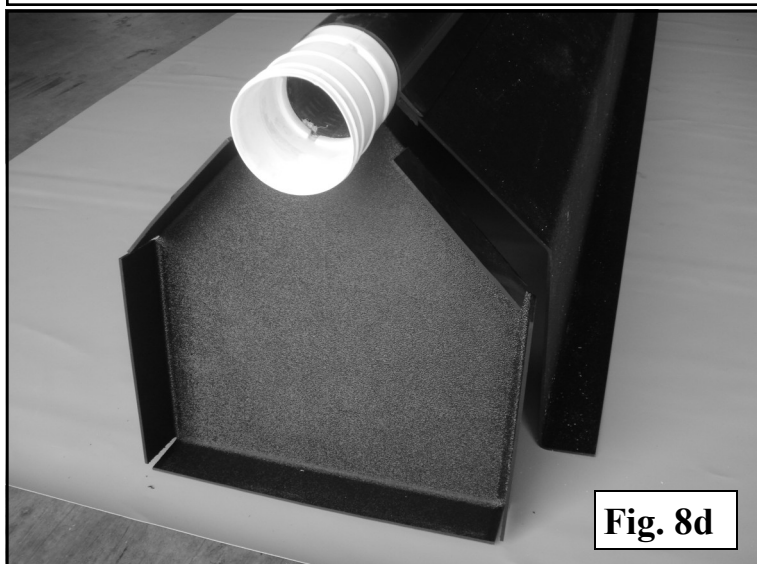


Fig. 8d

1. The bell end of the drain pipe should extend beyond the end panel on the side where you will achieve positive drainage. As shown in Fig. 8d.
2. The opposite end will need to be capped.

STEP 3 MOUNTING RECESS BOX TO PANELS

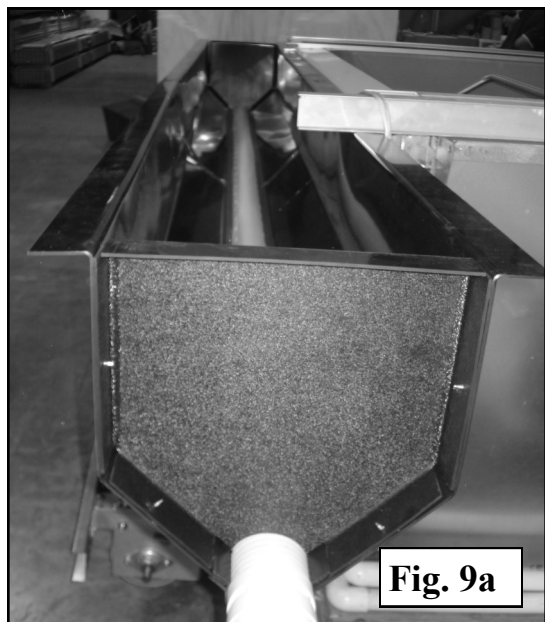


Fig. 9a

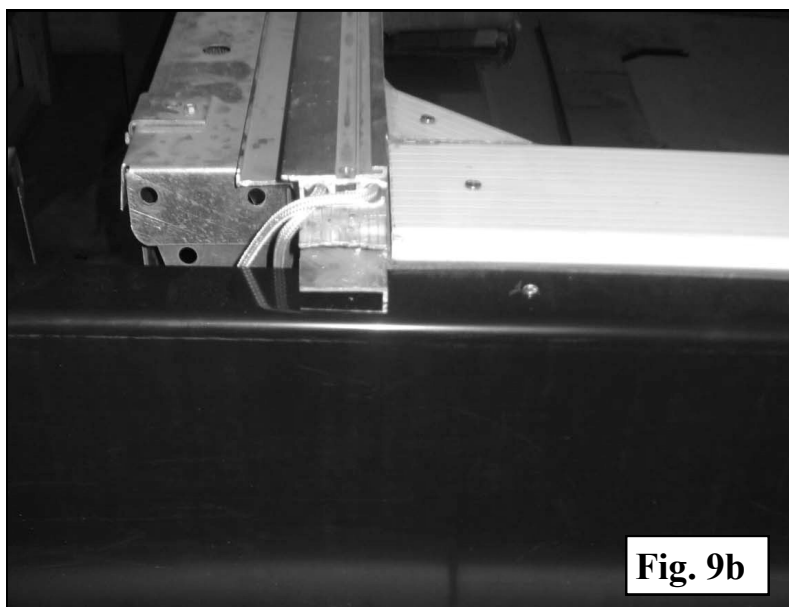
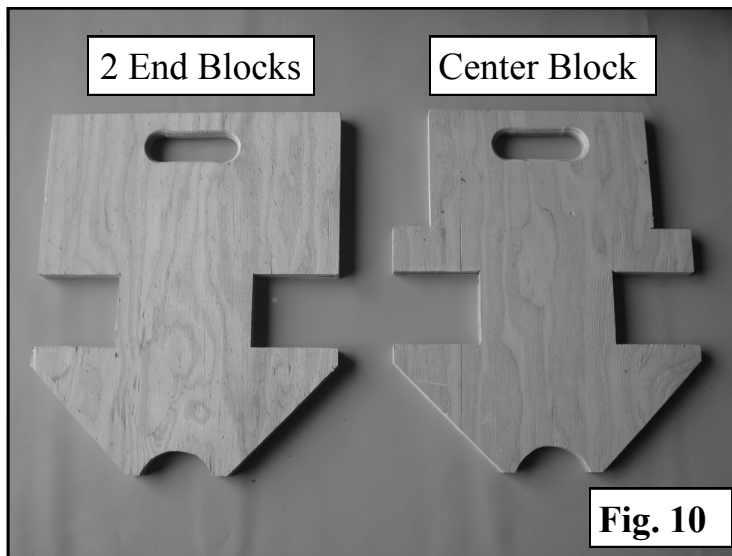


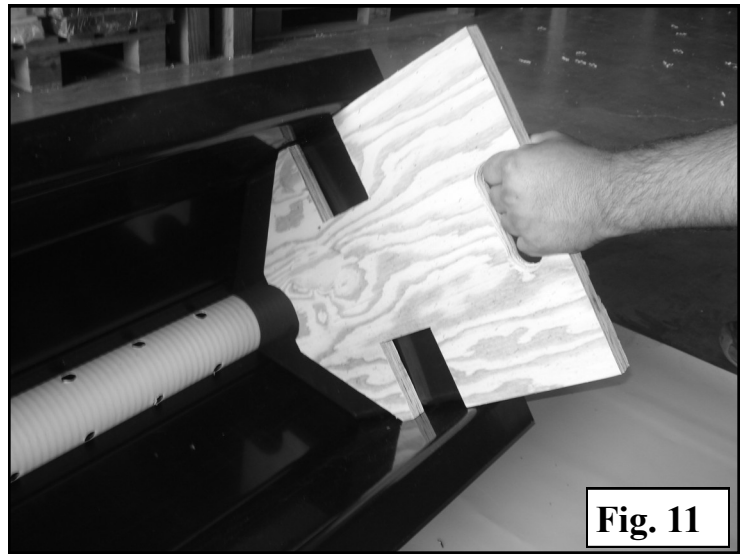
Fig. 9b

1. Once the sectional recess box is assembled, it is ready to be attached to the pool panel.
2. With the supplied screws, attach recess box through the front lip of the box and into the top of the pool panel as shown in Fig.9b.
3. ** Prior to attaching, make certain you have the correct offset. The drive end must be 30" beyond track (water) line and non-drive 12" beyond track (water) line. **
4. It is a good time now, to support the under side of the recess box with back fill. Additional support can also be achieved by using stakes.
5. Prior to final backfilling, make sure the drain is connected and the 2" chase for the hydraulic hoses have been installed.

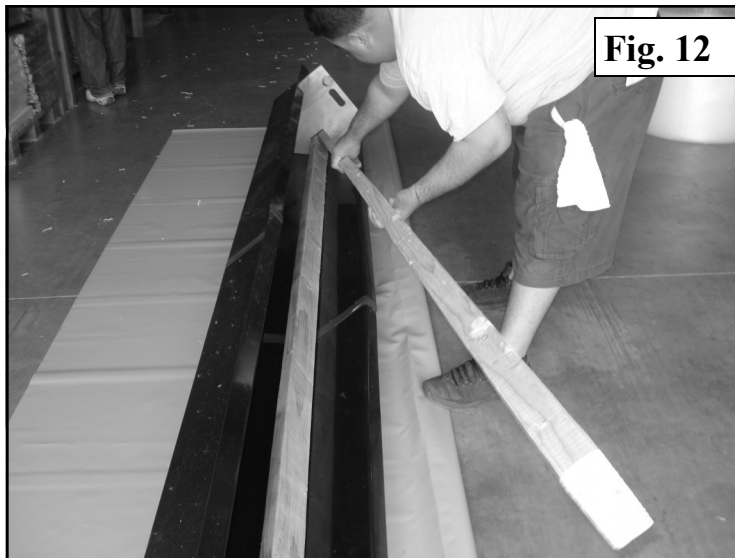
STEP 4 STRUCTURAL SUPPORT AND DECK FORMING



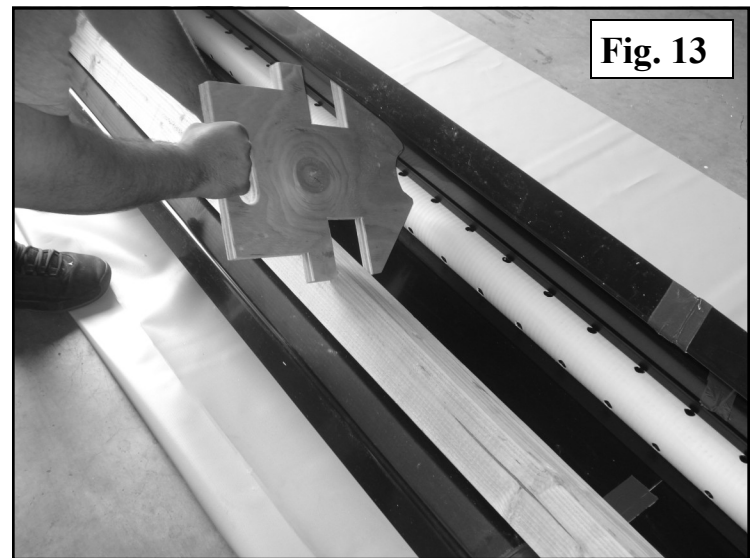
There are two end blocks and a varying amount of center blocks; this is dependent on the length of the cover recess. Shown in Fig. 10.



Insert end block at each end as shown in Fig. 11.



1. With the end blocks in place, insert the 2" x 4" as shown in Fig. 12.
2. If you are using boards that are not the full length, it is important to stagger the boards.



With both 2" x 4" supports in place, insert the center blocks divided equally by the length.

Example: A recess of 24' would have three center supports @ 6' on center.

STEP 4 STRUCTURAL SUPPORT AND DECK FORMING



Fig. 14a



Fig. 14b



Fig. 14c

As shown in the sequence above, secure the support blocks by driving a wood screw from the outside of the box and into each block support. Later these support will be removed, be certain to grind down any screws that may be exposed on the inside of the recess as these could tear the cover.

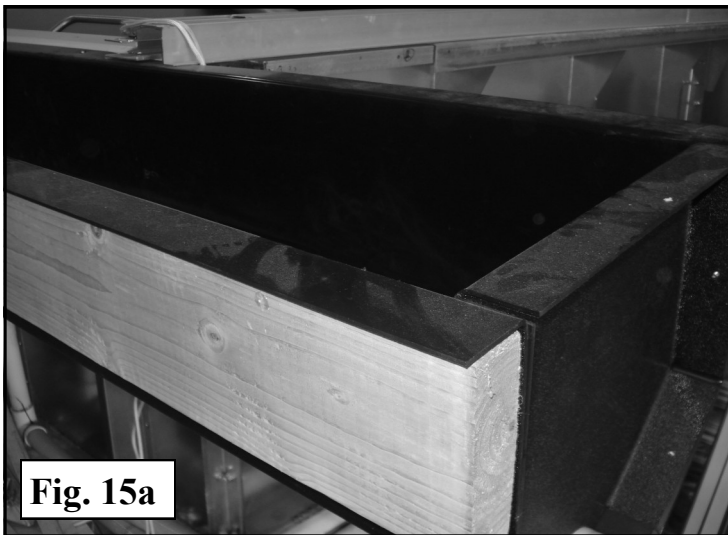


Fig. 15a

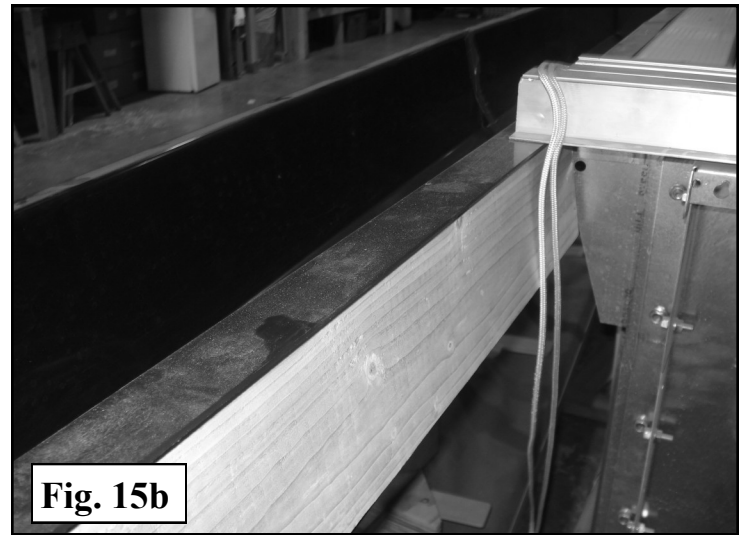


Fig. 15b

Although the pictures in Fig 15a. & Fig. 15b. do not show the internal wood supports, they will be in place prior to this next step.

Across the entire length of the rear of the housing mount a pressure treated 2" x 6" from the inside of the recess through the panels and into the wood. As shown in Fig. 15a. This is required to provide adequate supports for the lid brackets

At the front of the box, mount two short 2" x 6" pieces on both offsets as shown in Fig. 15b. these boards are permanent.

STEP 4 STRUCTURAL SUPPORT AND DECK FORMING

The size of the form used on this next procedure, is dependant on your coping thickness and the type of track used. The pictures in Fig. 16a & Fig. 16b illustrate the use of a 2" x 6" form-board; however, any dimension form-board can be used to suite your specific requirements.

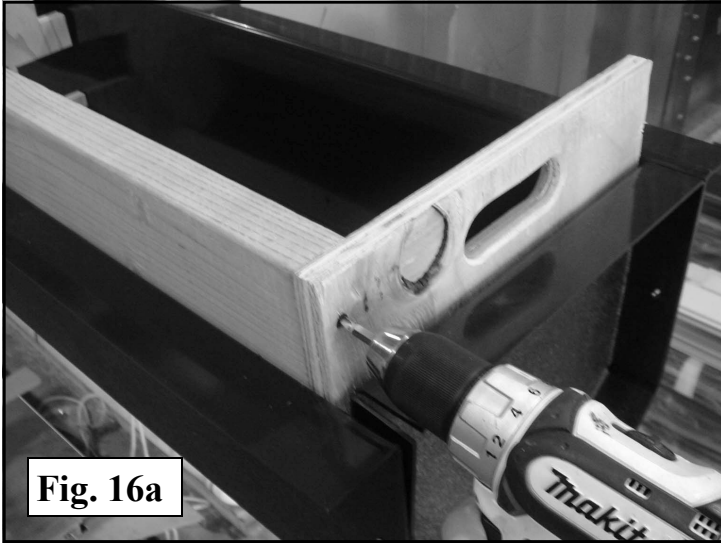


Fig. 16a

Fig. 16a shows the rear form-board being secured to the end block support.



Fig. 16b

Fig. 16b shows the rear and front form-boards installed. The front form-board will need to be notched to accommodate any pre-installed track.

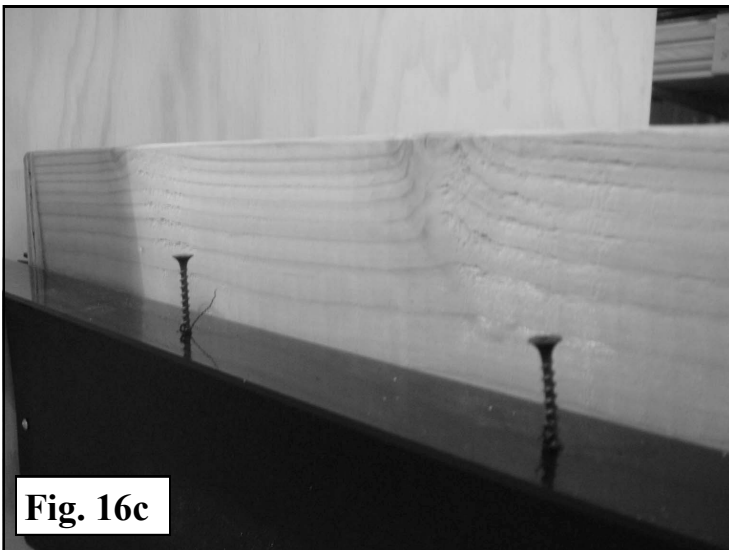


Fig. 16c

With all of the form-boards in place, install a minimum 2" long screw, at 12" intervals, along the entire external lip of the housing. These screws will lock into the concrete, and prevent the sides from deflecting inward.

As shown in Fig. 16c