

# Electrical preparation to automatic pool cover motor.

This pressure treated wood box is the base of the enclosure for the automatic pool cover system. The pool cover mechanism gets mounted in this hole, and almost always, the electrical run must be done before the deck is installed.

Each pool cover system has a 'motor side', which is the side of the enclosure which extends farthest away from the side of the pool. If this document is attached to the enclosure, it will be on the 'motor side'. The electrical conduit needs to be roughed in at this motor side, and not put in the way of the pool cover mechanism. Ideally the electrical feed will enter this enclosure against the motor side end wall. In almost all applications there will be enough room there to install the necessary (small-single gang) junction box. This junction box will need to be mounted as high as possible in the cover enclosure.

It is important to note that if the conduit is brought into the enclosure somewhere the mechanism has to be, the fix can be labor intensive. There is not much extra space to work with in the pit.

The pool cover motor comes with a 3 foot piece of flexible, 1/2" liquid tight, nonmetallic, conduit built into it. No connections are to be made in the pool cover motor assembly itself, the conduit has the wires in it already.



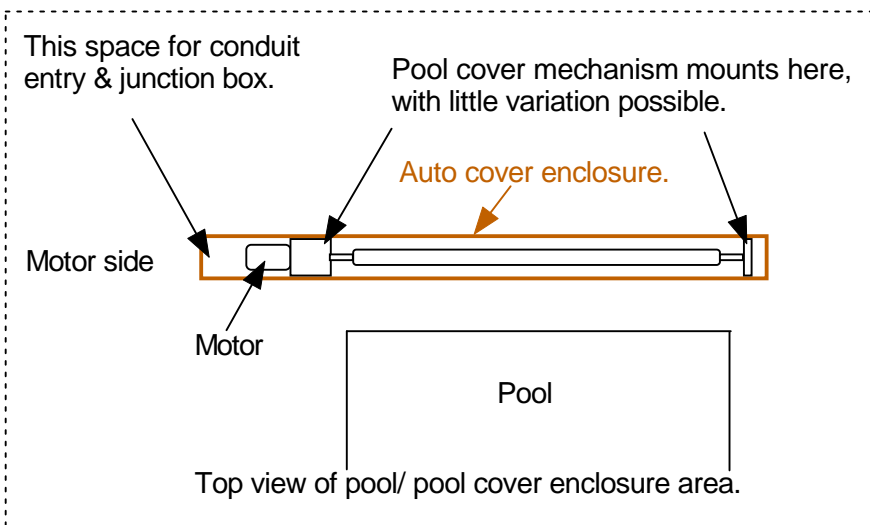
Conduit roughed in correctly.



Reverse view.



Motor connected to elbow (used as a junction box in this example).



Installed pool cover system under standard aluminum lid..

## ***AUTOMATIC RAINWATER COVER PUMP (OUTDOORS ONLY)***

A fully automatic, separate cover pump is provided with all outdoor systems. This pump is specifically designed for pool covers: it has a special base that acts as a filter, and keeps the pump upright.

This pump needs a 120V (GFCI) receptacle for power, and a garden hose with a place to discharge the water. The operator (owner) of the pool cover will need to set the pump onto the cover surface to use. **Most importantly, the operator will need to use the pump at the end of the pool where the pool cover mechanism is: plan for a receptacle to be installed as close to the pool cover mechanism as reasonable.** The pump's electrical cord is around 20' long. During normal usage the cover pump is left plugged in indefinitely as it sits on the cover surface in anticipation of any rainwater, so extension cords are definitely to be avoided.