

Shear Pin Replacement Instructions

Model 1 and Model II Save-T Cover Mechanisms

Cover Pools used shear pins in our older systems to prevent expensive damage from occurring to the cover system. The shear pin is like a fuse and is meant to break if the system is over stressed. On occasion the pin can break from age and fatigue without their being a problem, frequent breakage means something is wrong. When a pin breaks the motor turns but the entire cover or one side of the cover will not move.

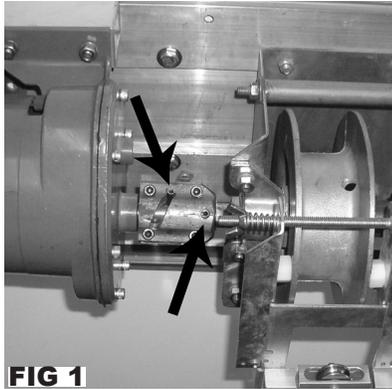


FIG 1 - There are 4 shear pins on the Model 1 mechanism that can break. The most common is the pin in the shifting collar angled slot (080100 SHEAR PIN 1/4 X 1) located next to the motor. When replacing this pin follow directions in FIG 4 and pound the pin in flush with the top surface of either side of the shifting collar. Make sure the pin does not protrude from both sides of the motor shaft. There is a second pin (080101 SHEAR PIN 1/4 X 1-1/2) in the shifting collar and is less likely to break.

FIG 2 - On the motor end of the Model 1 mechanism to the drum or fabric side of the rope reel is a third pin. (080123 SHEAR PIN 1/4 X 1-1/4) It is rare that this pin breaks.

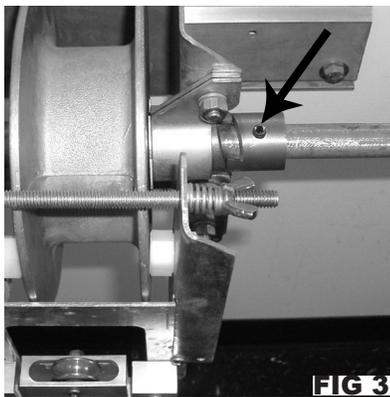
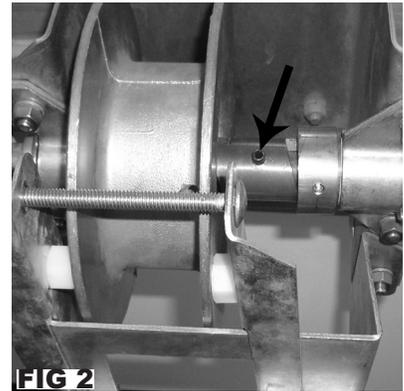


FIG 3 - On the opposite end of the mechanism from your motor is a 4th pin that rarely breaks. (080123 SHEAR PIN 1/4 X 1 1/4)

FIG 4 - To replace a broken pin identify the one that broke by observing what is not turning when you run your cover. Use the supplied pin punch with a hammer and tap the remainder of the broken pin out of the hole. Use only Cover Pools required pins or equivalent. Lightly tap the pin to start it in the hole and then continue to drive it in place until it is seated. You must use the same size pin as the broken one you are replacing.

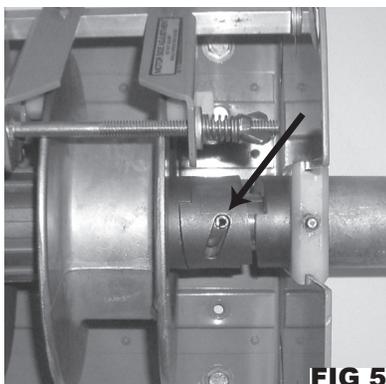
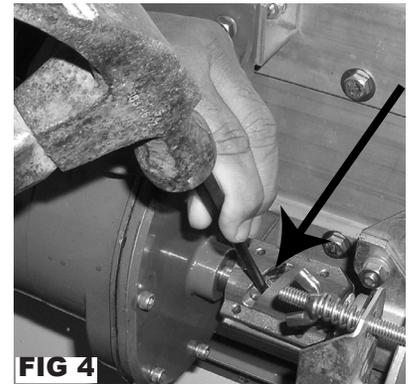


FIG 5 - If you have a Model II system it looks like this and there is only one shear pin located on the farthest side of the rope reels from the motor. Follow the procedure above to replace the pin. (080101 SHEAR PIN 1/4 X 1- 1/2)

NOTE: Tired of changing shear pins? Cover Pools newest system use the latest technology in solid heavy duty drive pins that do not ever need replacing. We use slip clutches or electrical Auto-shutoff systems to minimize maintenance and prevent damage.

Contact your local Authorized Cover Pools Representative for details.