

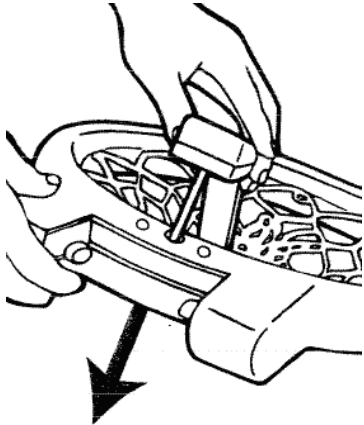
4036 Electronic Shot Clock

We have been looking into the reason why the electronic module doesn't seem to work when basketballs are thrown into the hoop.

It has been found that many times the pin of the score bar that goes through the rim sticks after being pushed up. When it doesn't come down, the electronic module won't reset itself to continue to change scores.



One solution was to make the holes in the rim bigger. However, I found units where this didn't solve the problem.



I have found that before putting the score bar on the rim applying some soapy water to the rim and pin help lubricate the plastic. The pin moves easily through the rim without having to enlarge the hole in the rim.

I have also found that although the pin moves freely, the electronic module still isn't resetting. It appears that in addition the way the backboard fits on the top post and its closeness to the rim affect the pin and module.

If there is a little space, about 1/8", between the lower edge of the electronic module and the top of the rim, the pin and module work fine. However, if the lower edge of the module is snug against the top of the rim, the pin of the score bar doesn't lower enough to allow the electronic module to reset itself so that it can record a new score.

The picture to the right shows some distance between the module and the rim. This unit would work fine.

One way to test this is to back out the screws that hold the score bar in place under the rim and pull it down about 1/8". If the module works well when this is done, then the score bar can be removed from the rim and the top of the pin can be shortened by about 1/8". It's easy to do with a pair of utility scissors.

