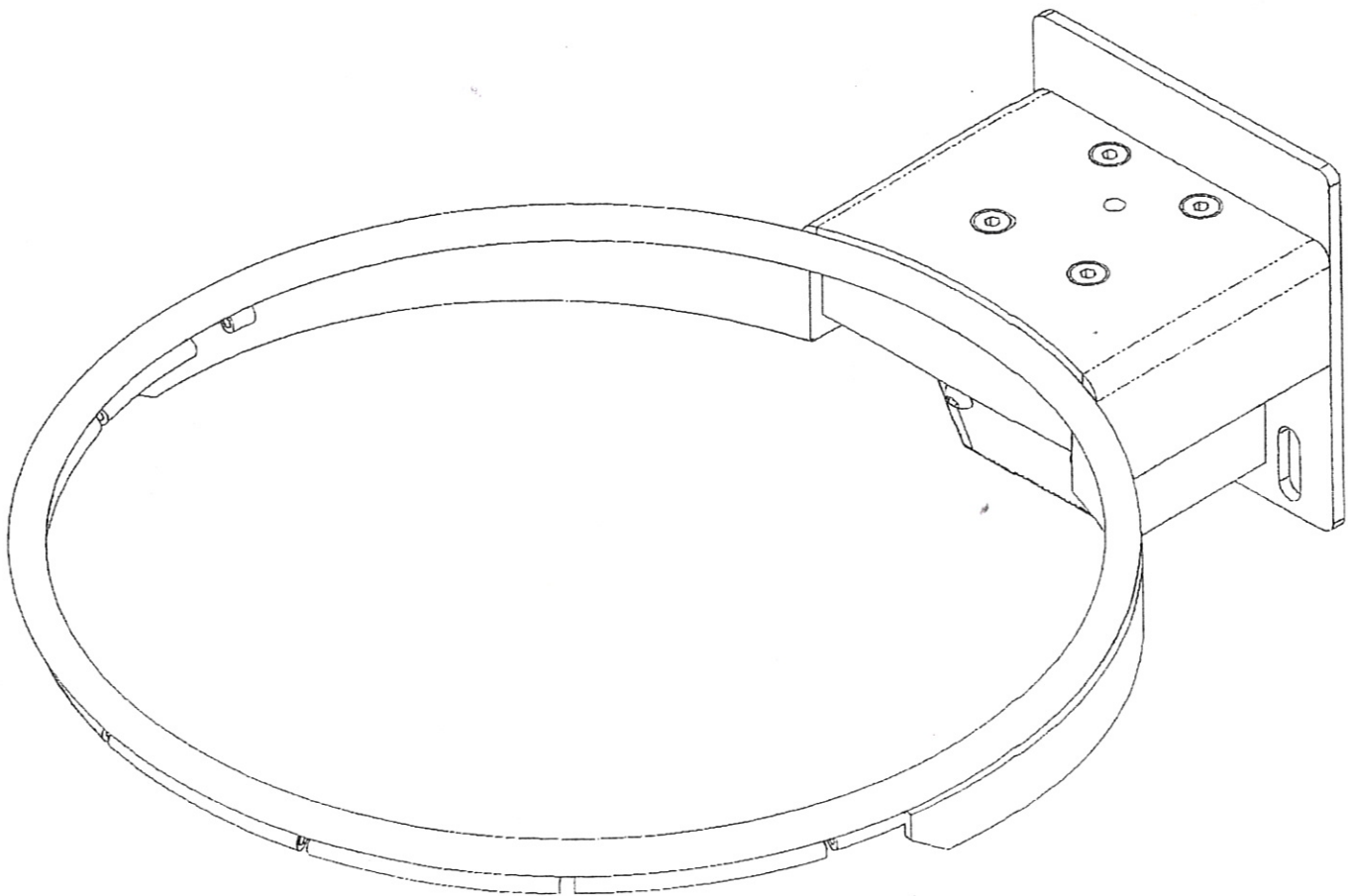




## Multi-Directional Breakaway Goal

Model: 4000



**Installation, Operation and Maintenance Instructions**

**SAVE THESE INSTRUCTIONS FOR FUTURE USE**

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## Rim installation:

### Tools Required:

- 2 ea. 9/16" wrenches
- 1 ea. 24" level
- 1 ea. 1" wrench or socket
- 1 ea. 3/32", 3/16", & 5/16" allen wrench
- 1 ea. torque wrench

### Hardware Supplied:

- 4 ea. 3/8" X 3 1/2" hex head bolts
- 8 ea. 3/8" flat washers
- 4 ea. 3/8" lock washers
- 4 ea. 3/8" hex nuts
- 1 ea. 5/16" t-handle hex wrench

1. Place 2 ea. 3/8" X 3 1/2" hex bolts with flat washers through top holes in rim and the top existing bolt holes on the backboard.
2. Place 3/8" flat washer, lock washer and 3/8" hex nuts on top bolts; do not tighten at this time.
3. Insert 3/8" X 3 1/2" hex head bolts with flat washers through bottom existing boltholes on backboard. Place flat washer, lock washer and hex nut onto bolts.
4. Level rim, then tighten bolts using a staggered pattern of tightening. Tighten bolts to 20-22 foot-pounds of pressure.

## Net installation:

1. Remove the net cable assembly from the ring. (See diagram #1)
2. Starting with the first tube hold the net loop between the net tubes and start inserting the net cable assembly. Repeat this until all the spaces are used.
3. The end of the net cable assembly slips into the last (shortest) tube.
4. The remaining net loops get secured to the rim loops by slipping through one loop and over the next. (See diagram #2)

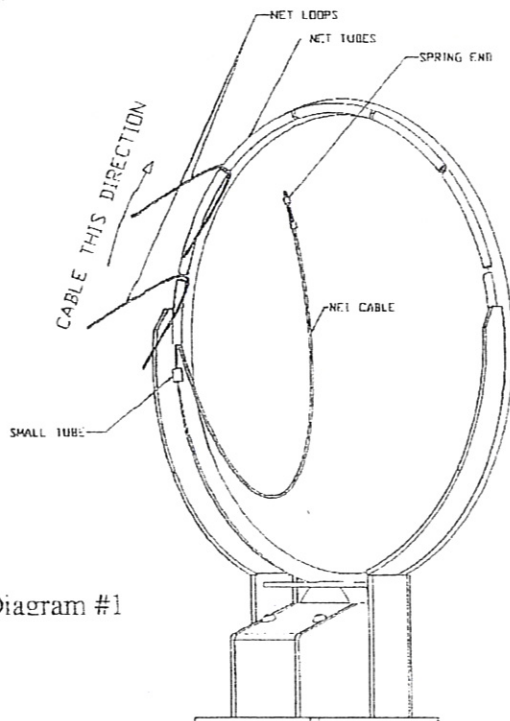


Diagram #1

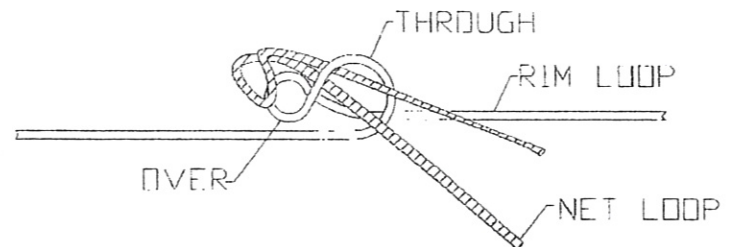
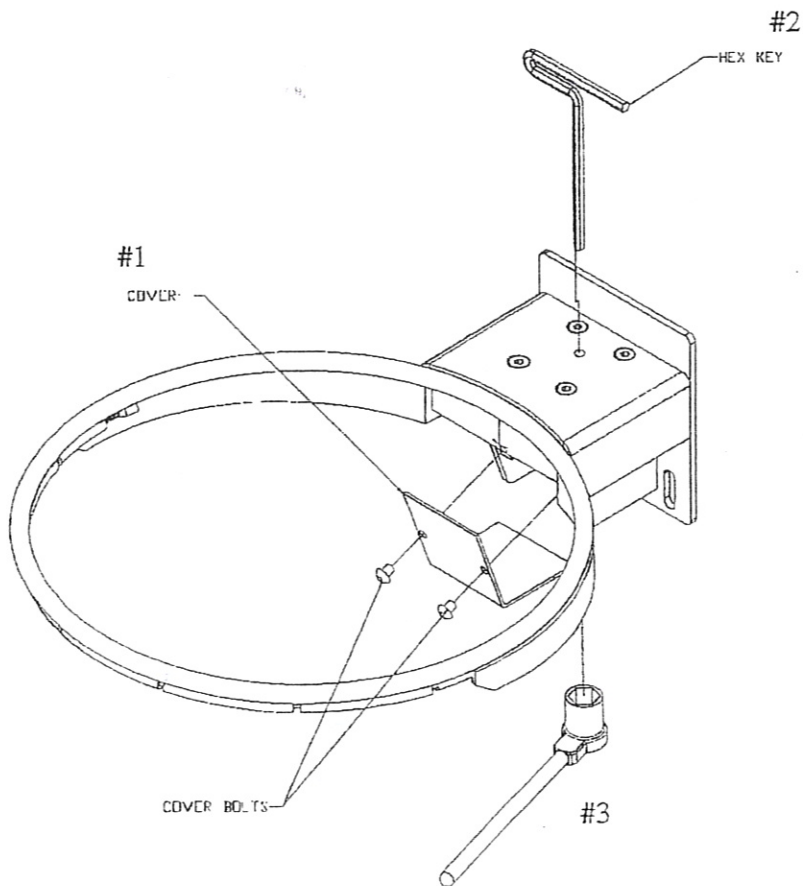


Diagram #2

**Breakaway Tension Adjustment:**

1. Remove the two cover bolts using a 5/32" hex key and remove cover.(#1)
2. Using the 5/16" hex key provided with the rim(#2), insert through top of rim in the 3/8" hole and into the adjustment bolt.
3. Using a 1" wrench or socket, tighten or loosen nut on bottom of adjustment bolt until a proper setting is reached.(#3)
4. Reinstall the cover and replace the two bolts removed earlier and tighten.





## 4000 Multi-Directional Goal



### **NCAA Rim Testing Rule:**

It is recommended that all competitive rings be tested for rebound/elasticity to ensure that this component is maintained. The frequency of such testing should be (men) once before the season and once before the postseason or (women) three times during the season. This should be done with a non-mechanical, tamper-proof, computational testing device that determines the amount of energy absorption as a calibration. The rebound/elasticity of any basket ring support system shall be within a 35 percent to 50 percent energy-absorption range of total impact energy and within a five percent differential between baskets on the same court.

It has been recommended to the divisional governing bodies that this testing become mandatory for 2004-05.

Visit [www.ncaa.org](http://www.ncaa.org) for further information on rim testing.

### **Rim maintenance:**

Check for proper breakaway tension and adjust if required. Check for any loose and/or damaged hardware.

### **Warranty Information:**

The 4000 rim has a 7-year warranty. Warranty not valid on any rims placed outdoors or used in a way not intended.



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