The 22RLR RETRO LASER™ REFLECTOR and Speedring / Cage Assembly

The Retro Laser™ Reflector arrives with a speedring / cage assembly, allowing you to attach the reflector to the faceplate of Paul C. Buff™ flashes (AlienBees™ B400, B800 and B1600 models; Einstein™ E640 units; White Lightning™ X-Series units, retired UltraZAP units and retired Ultra Series units; and the Zeus™ standard and bi-tube heads).

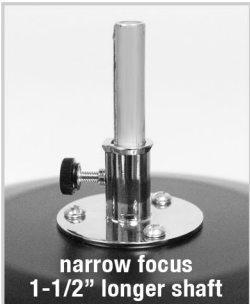## 1. Attach the Speedring / Cage Assembly to the Reflector

The speedring / cage assembly attaches to the inside (the concave silver side) of the reflector. Insert the metal pole inside the center hole of the reflector. Line up the flat, extruded side of the pole with the flat, extended groove in the center hole.

With the pole inside the shaft, twist the focusing knob on the backside of the reflector clockwise to secure the position.

2. Set the Desired Beam Spread (Flashtube-To-Reflector Distance)

The distance between the flashtube and reflector affects the beam spread produced with adjustable coverage from an 11º to 30º spread. This distance can be adjusted by sliding the flash unit (and pole of the cage assembly) further into the reflector.

narrow focus
1-1/2" longer shaft

wider focus
13/16" shorter shaft

A narrower **11º beam spread** is obtained by sliding the flash unit nearly all the way into the Retro Laser™, leaving **1-1/2" exposed shaft** on the back side of the reflector.

A wider **30º beam spread** is obtained by pulling the flash unit out nearly to the front edge, leaving **13/16" exposed shaft** on the back side of the reflector. *Note: If you pull your flash unit back too far you will get a dark center in the light pattern.*

3. Attach the Reflector with Assembly to your Flash Unit

The speedring attaches to the faceplate of your Paul C. Buff™ flash using the same holding fingers that are used to attach reflectors, softboxes and your protective shipping cover.

On AlienBees™ units, squeeze the top antennae to allow the four holding fingers to contract. On Einstein™ units, use the quick-release levers on either side of the faceplate. On White Lightning™ X-Series, UltraZAP and Zeus™ units, slide the release lever to the right. On White Lightning™ Ultra Series units, use the four faceplate screws.

When the faceplate holding fingers contract, place the speedring over the flashtube and modeling lamp. Release the lever(s) to allow the fingers to expand and grip the speedring. Ensure that all four fingers are inside and gripping the metal rim of the speedring, holding it securely on the faceplate.