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INTERCHANGING SOURCE FOUR LENS TUBES (FOR UNITS WITH AUTOFOCUS)

PREPARATION OF LENS TUBE:

TOOLS/ MATERIALS NEEDED:

Philips-head screwdriver; Flat-head screwdriver; “Blacktak” aluminum tape (cut to 5 ¾” length); flat washer (1/4 x 1/32); front lens mount bracket

- Remove all eight plastic guides.
- Cover the slots with “BLACKTAK” aluminum tape (5 ¾” in long) and smoothen carefully to remove creases.
- Lay the lens tube on the bench (the side with three [3] lens holders at the bottom) and separate the two halves of the lens tube.
- Insert one flat washer (1/4 x 1/32) as a shim under the nut opposite the gel frame retaining clip in the lens tube casting.
- Put the two halves back together making sure that the spring clip goes into the hole properly.
- Install the front lens mount bracket using the same screw at the side opposite the retaining clip.

INTERCHANGING LENS TUBES FROM UNITS WITH AUTOFOCUS:

TOOLS/MATERIALS NEEDED:

7/16 open-end wrench; 7/16 nut driver; Philips-head screwdriver

- Remove autofocus cover.
- Remove the 1-inch bolt (1/4-20 x 1”) holding the front of the lens tube and the autofocus shaft and the aluminum spacer.
- Loosen the two jam nuts on the 2-inch bolt (1/4-20 x 2”) located just above the focus motor by at least half an inch.
- Loosen the 2-inch bolt (it is not necessary to remove the bolt from the shaft).
- Remove existing lens tube and replace with another lens tube (prepared for autofocus).
- Re-insert the 2-inch bolt but do not tighten yet
- Re-insert the 1-inch bolt (1/4-20 x 1”) through the hole at the end of the guide shaft (front) and then through the aluminum spacer and bolt to the front lens mount.
- Tighten the 2-inch bolt with the **objective of getting the lens tube centered in the barrel.** As the bolt is being tightened keep an eye on the space between the lens tube and the barrel. *The lens tube should not rub or touch the barrel at any point.*
- After centering the lens, tighten the jam nuts against the guide rod to prevent from loosening during use.