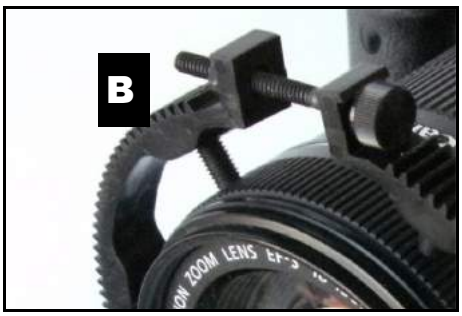
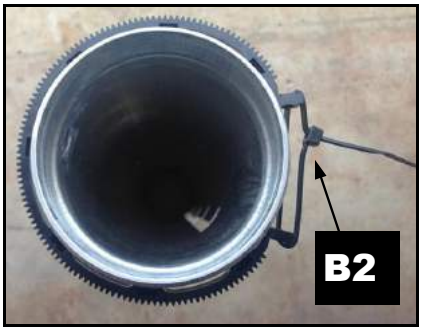
Working with your EZ FX—RLC Lens Control

1. Install the lens gear (**Fig A**) that will work best with the diameter of your lens.

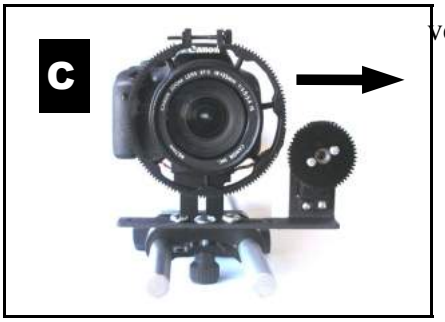
NOTE: For larger lenses use the zip ties provided to secure the lens gear **See Fig B2**.





2. Slide the Servo Motor Rail Bracket on to your rails. Loosen the black knob at the bottom/center of the bracket and slide the bracket assembly till the servo gears line up vertically with the lens gear.

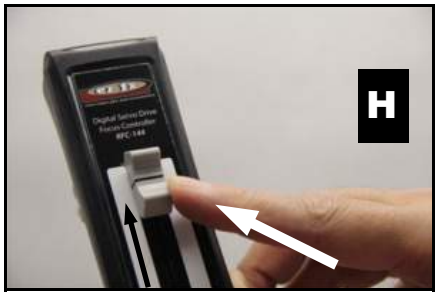
Do not engage the gears yet. **See Fig C**

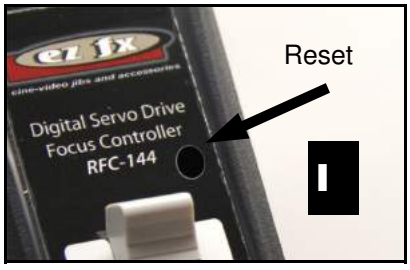


3. Connect the power supply and male end of the extension cable to the slider control. Connect the servo motor to the female end of the extension . **See Fig E& F**

NOTE: Interchangeable DSLR & Cine Style lenses have variable degrees of travel range on the focus rack. You will need to set up the system up for your particular lens travel range. Continue below.

4. Power on and push the slider knob all the way to the top. Press the reset button to reset the system. This will erase any previous memory points (*slider must be all the way up*) **Fig G, H& I**

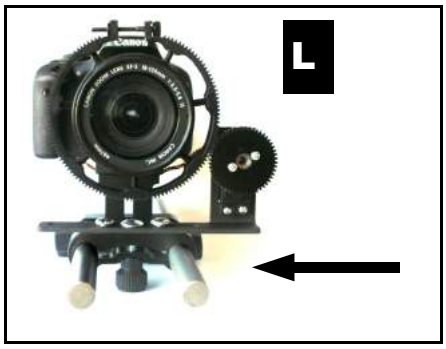


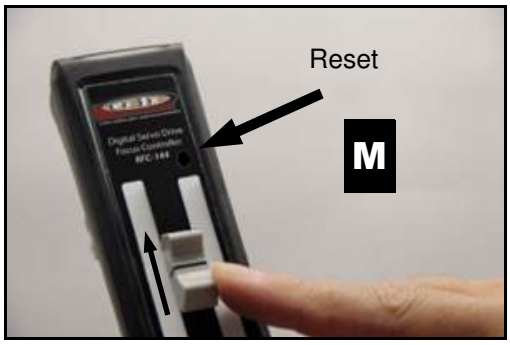


5. Slide the focus knob all the way to the bottom of slide track thus rotating the servo gear to the endpoint. The gear will spin clockwise or counter clockwise depending on the side you're mounted. **See Fig J & K**
6. Before engaging the gears, manually rotate the lens gear to the opposite direction endpoint. **See Fig K**

7. Engage the gears by sliding the focus motor into the lens gear then tighten the black knob to secure it. If the gears don't mesh perfectly, rotate the focus ring on the camera slightly so the gears mesh. **See Fig L**
8. With the gears engaged, slowly push the slider up toward the top, racking the lens until you hit the end of the lens rack range. Note that the slider may only be a partial way up when you reach the end of the lens rack. This will vary depending on the lens choice.
9. At that point, press the reset button again and the system will now be set for the lens you are using. This allows you to use the full range of the slider track without the risk of hitting end rack point of the lens and causing the lens to jump gears or jerk the lens. **See Fig M&N**

-The servo motor being used to drive the gear for the focus or zoom is designed for reasonable speeds not extreme moves with in the range of the travel of the lens. This will lead to the motor to continue humming when you have stopped the lens movement.





OTHER USEFUL NOTES:

- Use the white stripes on the sides of the slider to mark focus points with a dry erase pen

- If for any reason you need to reverse the travel direction of the servo motor you may do so by removing the back cover on the control unit. Power the unit off. Remove the rear cover you will see a 4 pin header with a jumper on the middle two pins next to the slide potentiometer. Simply remove the jumper and place it on the outside two pins to the left side (or bottom of the RLC-144) of the header where it reads "REVERSE".

- Do not jumper the right two pins as this will place the unit into program mode. This setting is for initial setup of the RFC-144 unit and should never have to be repeated again.

- The maximum voltage that should be applied to the RLC-144 control unit is 9volts DC. If you use a different power supply, determine its output voltage before connecting to the RFC-144 control unit.