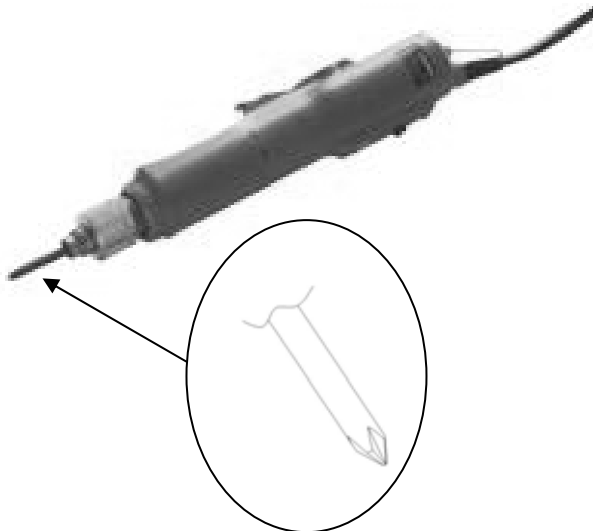


Trouble Shooting Guide**Attention:**

Unplug the unit before attempting any repairs. Repairs with the unit plugged in are strictly prohibited

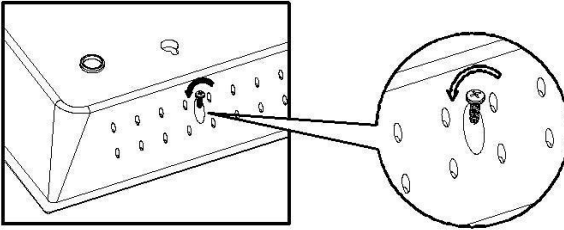
Trouble	Analysis	Repair
Broken Glass		Replace Glass
Dark picture /no motion	Check Fuse	Replace fuse
No light effect with motion	Check light tube	Replace if broken
	Check ballast	Replace
	If no visible damage	Replace light starter
Bright picture Without motion	Check gears If OK	Replace Motor

Maintain Tools : Screwdriver (Cross)



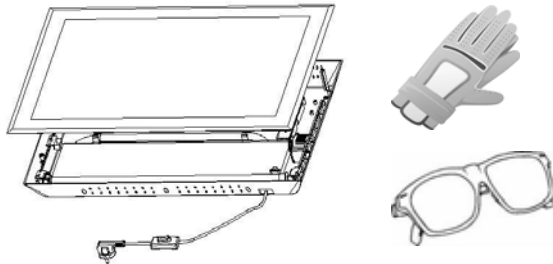
1. Replace picture glass

- a. Use a screw driver to remove 8 screws from the back of the frame(Fig1)



(Fig 1)

- b. Gently tap on the glass and remove from the base. If the glass is broken wear eye and hand protection.(Fig 2)

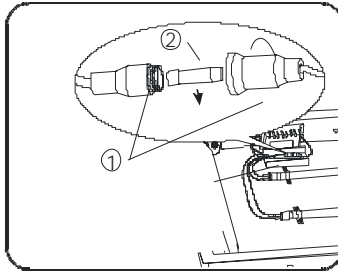


(Fig 2)

- c. To install new glass. reverse this process.

2. Replace Fuse

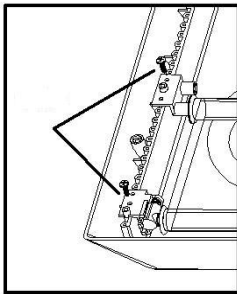
- a. Remove glass and look for red wire 1 with black fuse 2 holder near ballast. (Fig 3)
- b. Pinch top portion of fuse holder and twist bottom half counter clockwise this will release the fuse. Inspect & replace as needed.
- c. Reverse the previous steps to finish.



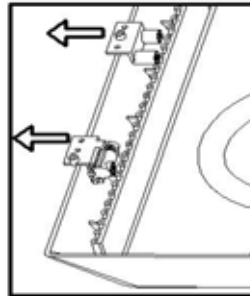
(Fig 3)

3. Replace light tube

- a. Use a screw driver to remove screws (Fig4)remove the spring bracket (Fig5) iron roller, and water-wave paper.

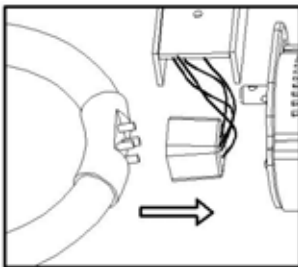


(Fig 4)

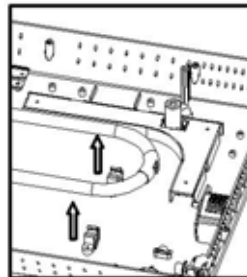


(Fig 5)

- b. Use your left hand to hold the light tube and right hand to grasp the tube plug, use even pressure to unplug it remove light tube from holding clips.(Fig 6) **WARNING:** wear eye & hand protection for any procedure.



(Fig 6)

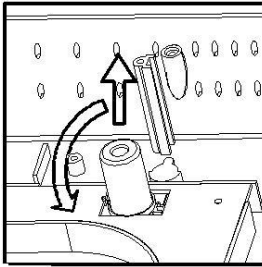


(Fig 7)

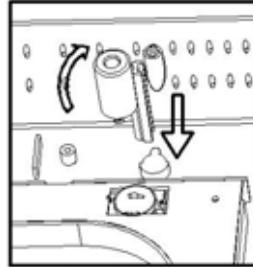
- c. Place new light tube and reverse previous steps.

4. Replace Light starter

- a. Apply gentle pressure then turn counter clockwise, pull out to remove.(Fig8)
- b. Place new part in to socket apply gentle pressure and turn clockwise.(Fig9)



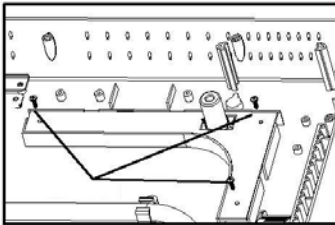
(Fig 8)



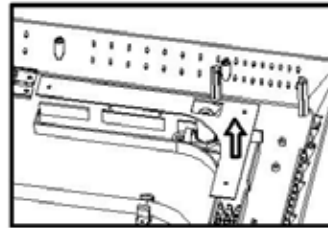
(Fig9)

5. Replace Motor

- a. Remove glass, rollers, water-wave paper, spring bracket, light tube and Wiring cabinet cover. (Fig10.Fig11)

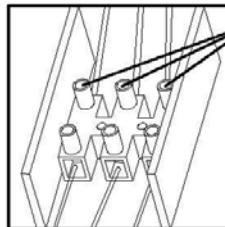


(Fig10)



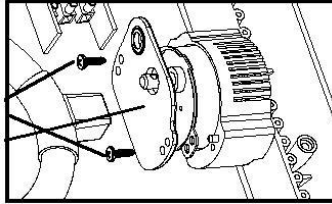
(Fig11)

- b. Unscrew(counter clockwise)the 3 screws from the motor and pull out with power cable.(Fig12)



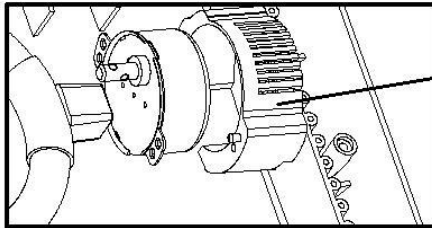
(Fig12)

c. Remove two screws holding motor baffle. place baffle on new part.(Fig13)



(Fig13)

d. Reconnect the power cable making sure all wires are properly attached. reverse the previous procedure.(Fig14)



(Fig14)

Circuit Diagram

