

Fiber Optics Troubleshooting

CAUTION! THE BULB WITHIN THE ELECTRICAL HOUSING GENERATES HIGH HEAT. PLEASE ALLOW THE UNIT TO COOL BEFORE DISASSEMBLING.

Fiber Optic products contain three main parts that can be replaced: the bulb and motor, located inside the base, and the AC adapter cord. Follow the instructions below to determine which part may need replacing.

Unplug the AC adapter from power source. Remove upper tree/bush portion of product from pot base.

Separate the bottom of the pot base that contains the motor assembly from the upper section of the pot base. Depending on the model, motor assembly can be accessed by squeezing latch tabs, or by removing the screws using a phillips-head screwdriver.

Plug the AC adapter into the lower base/motor assembly section and then into a power supply. Move the ON/OFF switch to the ON position.

1. If the color disc rotates but the light does not come on, replace the bulb (See BULB REPLACEMENT at right).
2. If the light comes on but the color disc does not rotate:
 - a. Check to see if the nut holding the disc onto the rotating shaft is tight. If nut is loose, turn OFF the power and tighten the nut.
 - b. If the disc is not rotating and the shaft is not rotating, the motor must be replaced. Contact National Tree Company for the proper replacement part.
3. If the light does not come on and the disc does not rotate, the AC adapter must be replaced. Contact National Tree Company for the proper replacement part.

BULB REPLACEMENT

IMPORTANT: Replace bulb with one of the same size and voltage as originally installed in the product. Bulb size and voltage is printed on or near the bulb. **Never attempt to install a higher watt bulb than the one originally installed – doing so may result in damage to the product and may create a fire hazard.**

1. Unplug the AC adapter from power source. Remove upper tree/bush portion of product from pot base.
2. Separate the bottom of the pot base that contains the motor assembly from the upper section of the pot base. Depending on the model, motor assembly can be accessed by squeezing latch tabs, or by removing the screws using a phillips-head screwdriver.

On certain models, two sets of screws must be removed. One set will separate the bottom pot base section from the upper section. Another set will separate the motor assembly from the base for access to the bulb.
3. The bulb is located beneath the color disc. Unscrew the nut holding the disc in place. Lift the upper washer, color disc and lower washer from the motor shaft (Figure 1).

4. Replacement procedures vary from one model to the next based on product design. After inspecting the type of bulb mounting, follow the appropriate instructions:

Screw Mounted (Figure 2)

- a. Remove the screws on either side of the bulb bracket and lift the bracket off the bulb. Carefully pull out the old bulb and press new one into bulb socket.
- b. Place the bulb bracket on top of the new bulb, lining up holes on posts with holes in bracket and secure with screws.

Spring Mounted (Figure 3)

- a. With pliers, pull up on the upper spring hooks and detach the springs from both sides of the bulb. Carefully pull out old bulb and press the new one into bulb socket.
 - b. While holding the bulb in place, use pliers to re-attach springs to the bulb securing it in place.
5. Slip the color disc and washers back on to the shaft and secure with nut. Re-assemble base.

