

INSTALLATION AND ASSEMBLY INSTRUCTIONS

GREENBRIAR® GBR SERIES AFT / AI / A5 REFLECTOR KIT

WARNING: Disconnect power before servicing.

WARNING: Verify the existing input voltage. Verify ballast wiring matches power supply voltage. On multi-tap ballasts, be sure to wire to correct supply lead voltage! Cap off unused wires individually.

WARNING: Wiring to be performed by qualified electrician.

IMPORTANT: Multi-tap ballasts are prewired to 277V.

IMPORTANT: Socket assemblies are packed in *bottom of outer* reflector carton.

1. It is important to identify which reflector kit you are installing. Read label on outside of carton to confirm kit type. AI and A5 kits include a new reflector and new socket assembly. AFT kits include a new reflector, new socket assembly, and new backlight cutoff shield.
2. Loosen (4) top cover screws (do not remove - screws are captive). Allow cover to hang over side of housing on safety cable (do not remove cover).
3. Remove ballast cover by turning both 1/4-turn fasteners 90 degrees. Set aside to reuse later.
- NOTE: If replacing reflector only, proceed to step 12. If replacing ballast and reflector, proceed to step 4.**
4. Disconnect incoming supply leads from ballast and ground leads.
5. Disconnect socket leads from ballast and capacitor.
6. Remove capacitor by loosening both screws and clamp. Set clamp and screws aside to reuse. Discard capacitor per local code.
7. Remove ballast by loosening (4) hex nuts and bracket. Set nuts and bracket aside to reuse. Discard ballast per local code.
8. With new ballast leads pointing upwards, install ballast using bracket and nuts. See Figure 1.
9. Install new capacitor using clamp and both screws. **NOTE: Be sure that capacitor lip is retained in clamp slot!**
10. If provided, install new ignitor to side of capacitor clamp using provided screw. See Figure 2.
11. Wire ballast to incoming power leads, capacitor, and ignitor to local code and National Electrical Code. Use all ground leads. Use wire tie to keep wiring away from ballast.
12. Disconnect socket leads from ballast and capacitor.
13. Remove socket lead strain relief bracket by removing (1) hex nut. Set nut aside to reuse. Discard bracket.
14. Remove (5) hex nuts securing socket/reflector assembly. Lift assembly from housing.
15. Remove lamp from socket. Discard reflector and lamp per local code.



Figure 1

TIGHTEN THIS SIDE FIRST

SCREW IGNITOR TO CAP BRACKET

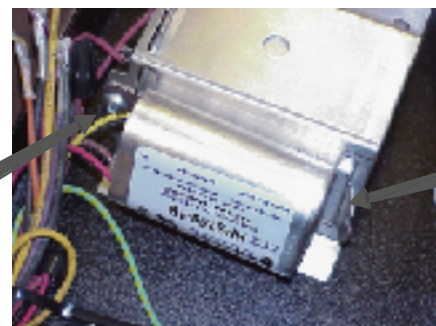


Figure 2

BEND UP IGNITOR LEG TO SECURE

INSTALLATION AND ASSEMBLY INSTRUCTIONS, cont'd.

16. Locate socket assembly packed in *bottom of outer* reflector carton. Attach socket assembly to top of new reflector by engaging tabs on one end of socket assembly into mating slots of reflector top. Then push/pull opposite side of socket assembly to engage opposite side of reflector top. Depending on which type of reflector kit you have, see Figures 3A-3C.
17. Install new lamp in new reflector. Tighten lamp, then loosen slightly, then retighten for secureness and long life. Wipe lamp and reflector with dry, clean cloth.
18. Install new reflector using old hex nuts. Use outermost reflector flange holes on all reflectors. On AFT reflector kits only, locate backlight cutoff shield packed in *bottom of outer* reflector carton. Install as shown in Figure 3C.
- NOTE: Reflectors are directional. Use arrow on label to direct light beam in correct direction.** Depending on reflector type, see Figures 3A-3C for light beam arrows.
19. Reinstall socket lead strain relief bracket using hex nut.
20. Make wiring connections from capacitor and ballast to socket leads.
21. Install ballast cover. Secure using both 1/4-turn fasteners.
22. Locate new ballast cover labels shipped with reflectors. Place label over existing ballast cover label. This ensures ballast will be serviced correctly in the future. Replace label ONLY if changing ballast wattage from 1000 to 750.
23. Install top cover by evenly tightening (4) screws, making sure safety cable is not pinched.

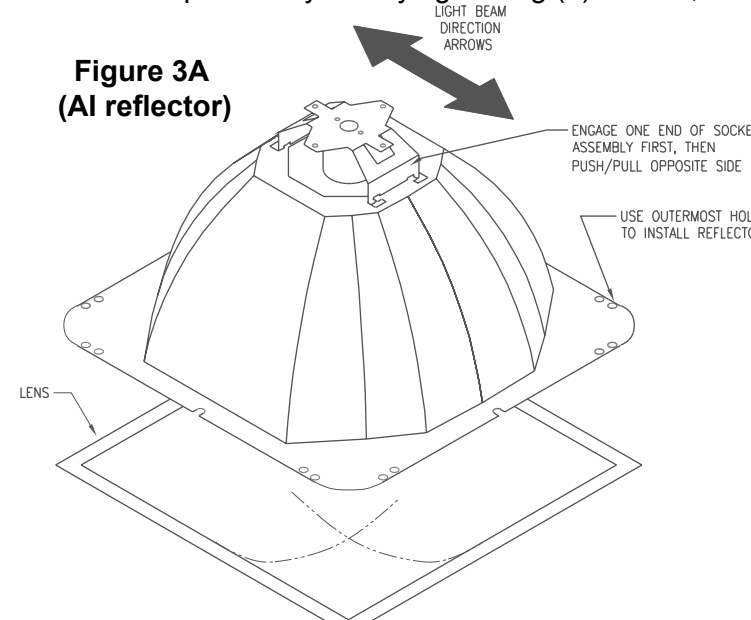


Figure 3A (AI reflector)

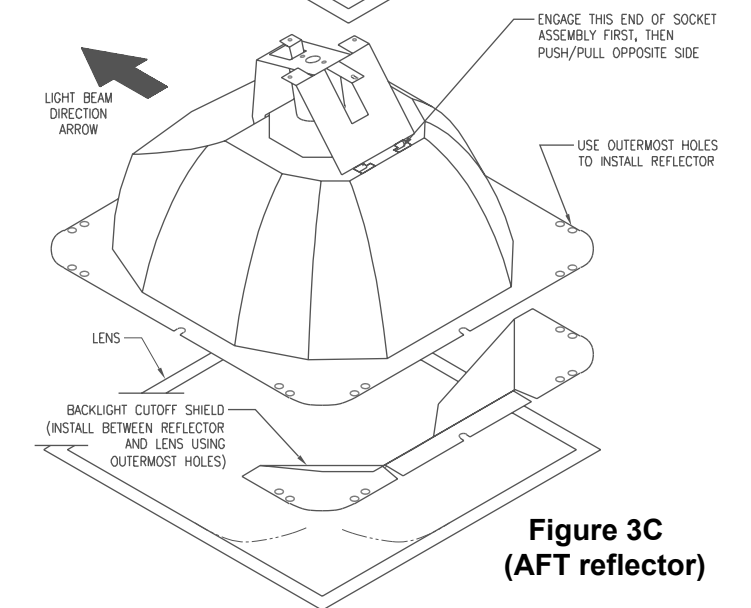


Figure 3C (AFT reflector)

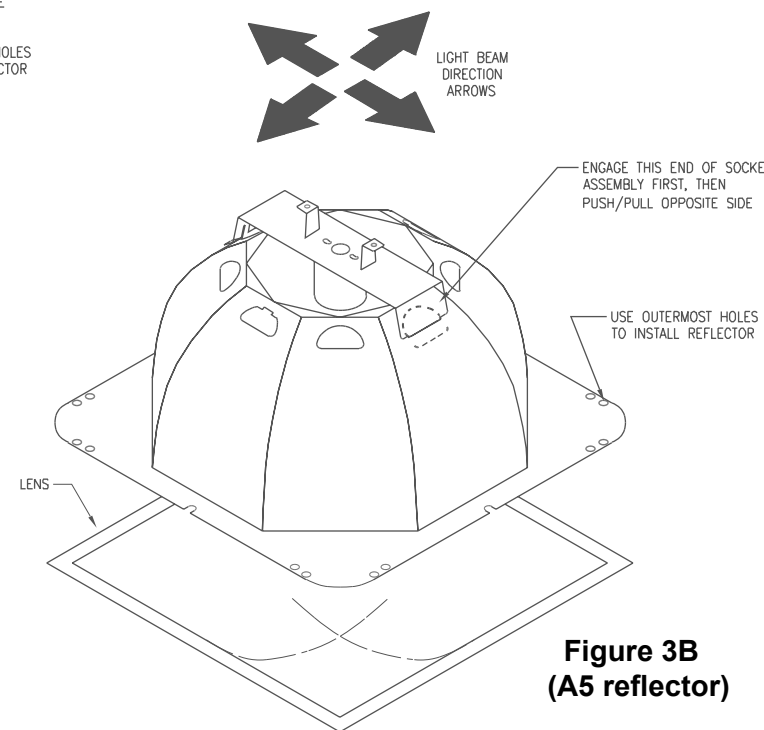


Figure 3B (A5 reflector)

Questions?
 Call LSI Field Service
 1-800-436-7800 Ext. 3300 Fax 1-877-861-1368

