

R03705 DIR RETROFIT KIT

INSTRUCTIONS

FRC lighting products are engineered and manufactured with safety in mind. It is critical that FRC scene lights are installed, maintained, and operated correctly. Read and understand all instructions before installing, performing maintenance, or operating.

Ensure power is off prior to removing the front glass or opening covers.

Do not operate the light with the lens frame or glass lens removed.

Use a clean soft cloth to wipe the reflector clean if necessary, do not use liquid or aerosol cleaners.

General Notes

The R03705 DIR (Drop-In-Replacement) retrofit kit is designed to replace the Magnafire 3000 lamphead HID light components with an LED module. The kit includes the following components:

12 Volt DC, 12000 Lumen LED Module

1³/₄" 10-24 Screw

Reflector

Thermal Grease

Butt Connectors.

Refer to drawings on page two.

Remove HID Components

1. Ensure power is OFF and the lamphead is cool to the touch.
2. Remove the four cap head screws and washers. Remove the lens frame and glass lens from the housing. Save for re-installation.

Note: The gasket should stay in the lamphead groove, but may lift out.

3. Remove the bulb, two screws and the reflector, and the two screws that hold the bulb socket bracket. Discard these parts.
4. Remove the bulb socket bracket and ballast, disconnect the ballast wires. The ballast may require gentle prying to remove, be careful not to damage the housing. Discard these parts.

Install LED Components

The cutout on the LED module heat sink fits into the housing one way.

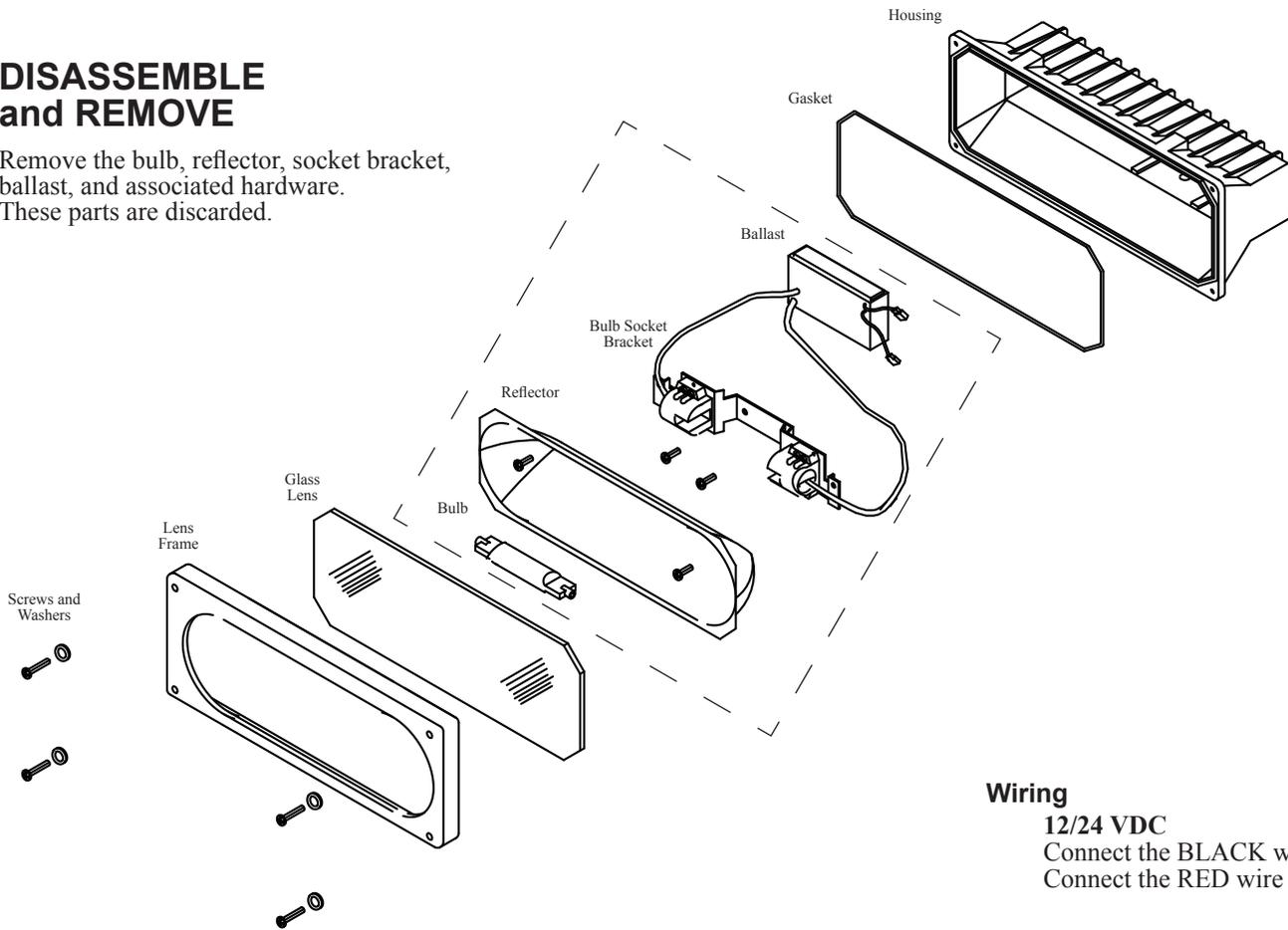
1. Connect the two LED module wires and route in such a way as not to get pinched when the module is inserted into the housing.
2. Apply thermal grease to the heat sink of the LED module and insert the module into the housing.
3. Secure the module with the 1³/₄" 10-24 screw.
4. Insert the reflector.

Caution: Do not operate the light with the lens frame and glass lens removed.

5. Check that the gasket is seated in the lamphead groove.
6. Hold the lens frame and glass lens in position. Secure with the four screws and washers.

DISASSEMBLE and REMOVE

Remove the bulb, reflector, socket bracket, ballast, and associated hardware. These parts are discarded.



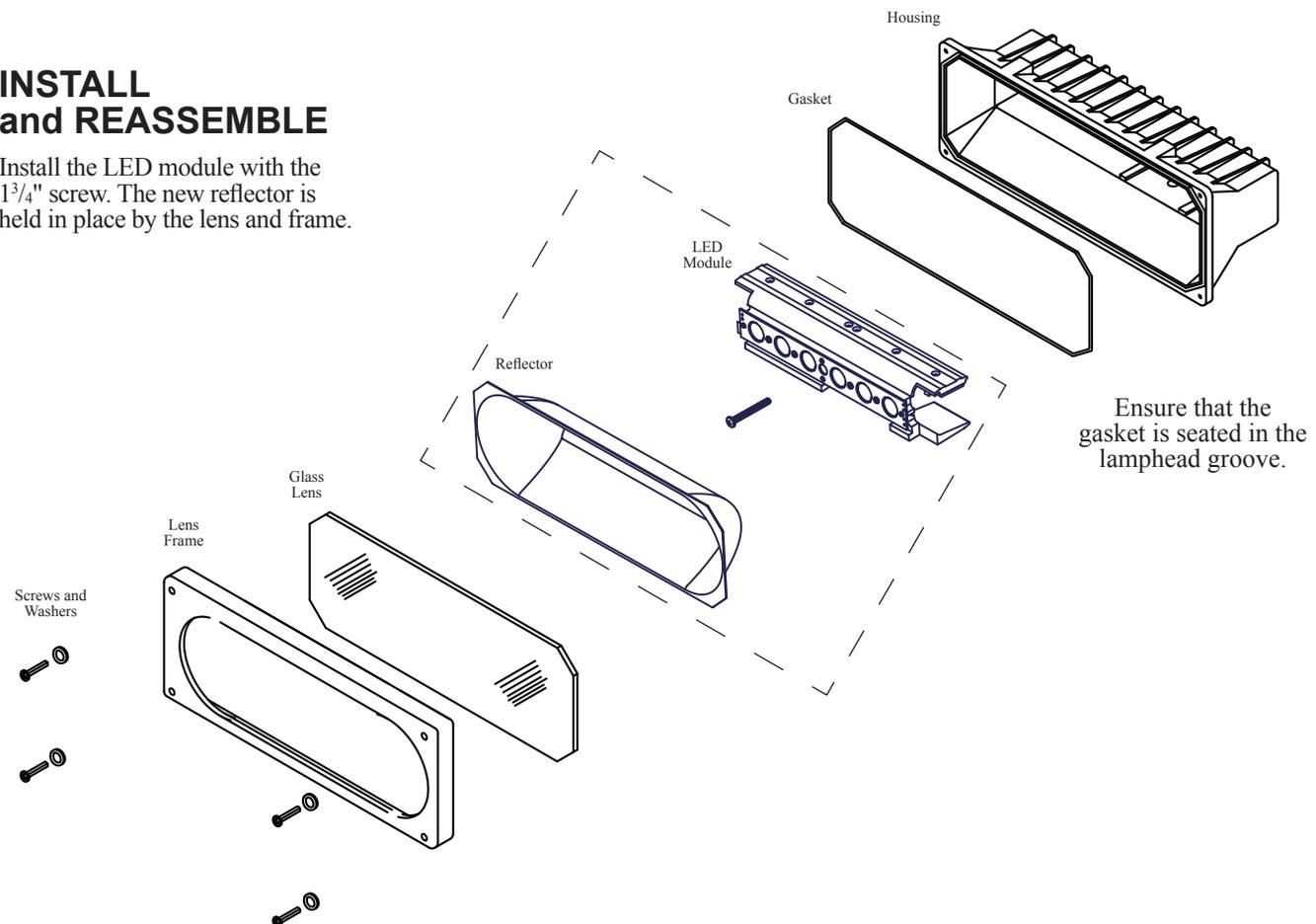
Wiring

12/24 VDC

Connect the BLACK wire to GND.
Connect the RED wire to POWER.

INSTALL and REASSEMBLE

Install the LED module with the 1³/₄" screw. The new reflector is held in place by the lens and frame.



Ensure that the gasket is seated in the lamphead groove.