MODEL GAF FLOODLIGHTS
INSTRUCTIONS FOR INSTALLATION AND MAINTENANCE

APPLICATION
The GAF is particularly suited for lighting stadiums, sports fields and recreational areas.
Units can also be used in industrial applications to light loading docks outdoor work areas for general security lighting.

Headquarters should be contacted on indoor applications. The GAF is suitable for aiming below horizontal only. The GAF fixture is designed for installation on a cross-arm or slipfitter mounting bracket.

HOW TO INSTALL
This fixture has been packed in two cartons, one containing the lamp housing, trunnion and ballast assembly and the other the reflector and door assembly. For the heavy duty model having a protective reflective cover, the cover is also packed in the second carton.

Remove the ballast assembly from its carton and place on a flat surface, open end up. Remove the four slotted pan head \( \frac{1}{4} \times 20 \) screws, gasket and reflector support ring at the open end of the extruded lamp housing.

Remove the reflector assembly from its carton and open its door. Lay the flat gasket over the lampholder housing opening so the mounting holes are aligned with extruded holes in lamphousing. Carefully place reflector over gasket, hinge side 180° from ballast side of lamphousing. Place heat shield on inside back of reflector, reflective side toward the lamp. Position reflector support ring against heat shield and re-align all four mounting holes making certain gasket is properly sandwiched between reflector and lamphousing. Re-insert four slotted \( \frac{1}{4} \times 20 \) screws and tighten.

NOTE: If fixture has heavy duty reflector cover, this is to be assembled between the reflector and the gasket.

WARNING
Make certain power is OFF before starting installation.

CROSS-ARM MOUNTING
1. Attach fixture trunnion to cross-arm mounting bracket using two bolts provided.
2. Connect cable wires from fixture to power supply wires in a junction box mounted close to fixture, using methods that comply with all applicable codes.
3. Rotate fixture by loosening trunnion bolts only enough to permit turning to a point where lens door may be opened.
4. Release lens door latches and swing door open.
5. Install lamp, as called for on nameplate, and tighten securely.
6. Close lens door and fasten door latches securely.
7. Rotate fixture and aim to desired position according to lighting plan. (Note: Optional aiming device is available. Order Cat. No. 0502648.)
8. Securely tighten trunnion arm bolts holding fixture.

SLIPFITTER MOUNTING
1. Attach fixture trunnion to slipfitter mounting bracket.
2. Loosen cable entrance bushing screws and pass cable through bushing into slipfitter and out slipfitter bottom.
3. Connect cable wires to power supply using methods that comply with all applicable codes.
4. Push connections down into pole while mounting slipfitter over pole top (Note: Have fixture aimed in general direction in which it will be used and observe CAUTION stated previously.)
5. Securely tighten slipfitter set screws.
6. Follow steps 3 through 8 under Cross-Arm Mounting. After fixtures are installed power can be turned on and system checked for operation and proper aiming.

AIMING

CAUTION
Do not aim floodlight with beam above horizontal. Door hinge and reflector weep hole adjacent to hinge must be at the bottom.

OPTIONAL HOOD INSTALLATION
When hood is to be installed on GAF a lens ring is provided having seven angle brackets spaced around upper half of lens ring. The hood is to be mounted on the outside of the brackets which are flush with outer surface of lens ring.
1. Install center slot of hood to top center bracket of lens ring using one of seven 8-32 x \( \frac{1}{4} \) " pan head screws furnished. Adjust hood so screw is in center of slot and tighten just enough to hold hood in place.
2. Install screws alternately (one side then the other) starting from center outward toward ends. This may require some loosening of screws and moving hood one way or the other so brackets will accept screws.
3. After all screws are in place tighten them all tightly starting from center and again alternating outward toward ends.
MAINTENANCE
To ensure continued effective lighting levels the lens and reflector should be cleaned periodically. The time period established will depend upon local condition.
Wipe lens and reflector with a clean damp soft cloth. If this is not sufficient use a mild soap or a liquid wax cleaner such as Collinite type NCF or Duco #7.

CAUTION
Do not use abrasive, strong alkaline, or acid cleaners. Do not use cloths that are dirty or have harsh or foreign material in them. Damage to reflector and diffuser may result.

During cleaning check lamp, nuts, bolts, and screws to make certain they are all securely tightened.

CAUTION
When High Pressure Sodium lamps burn out, they should be replaced within one month to prevent damage to ballast.