

ROBINAIR

Operating Instructions

Form No. 583238
Rev. A, March 14, 2018

No. 16330 & No. 16332 HVAC Injection Kits

Injection Gun Setup

1. Push release lever on the gun DOWN, and push or pull ram all the way back, (FIG. 1).
2. Thread dye cartridge counterclockwise into the injection gun until it is seated, (FIG. 2).
(Check Cartridge Selection Chart, FIG. 5)
3. Hold the gun so the dye cartridge is in an upright position.
4. Remove cap and seal from dye cartridge; attach adapter hose to cartridge, (FIG. 3).
5. Squeeze gun trigger repeatedly until the ram seats against the piston.

Operations

CAUTION: Always use care, and wear appropriate eye and hand protection when connecting anything to a pressurized air conditioning/refrigeration system! Follow these instructions carefully and do NOT connect to systems exceeding the stated pressure limitations!

The injection gun injects dye into the air conditioning (A/C) system without the need to evacuate any refrigerant.

1. Remove the drip cap from the adapter hose; then connect the adapter to the A/C system port.
(SYSTEM RUNNING: connect to low side only - SYSTEM NOT RUNNING: make certain system pressure has equalized, and connect to either high or low side).

WARNING: DO NOT ATTACH TO SYSTEMS HAVING PRESSURE ABOVE 200 PSI (13.6 BAR)

2. Inject dye into the A/C system by squeezing the trigger until all the dye is emptied from the cartridge, (FIG. 4). (Check Cartridge Selection Chart, FIG. 5)
3. Disconnect the adapter from A/C system then attach the drip cap to the adapter hose.
4. Install the "Dye Service Sticker" in a visible location.

Lamp Instructions

Safety Precautions



CAUTION: To prevent personal injury



- Protect your skin while using this leak detection light. Exposure to UV radiation can be harmful to your health. This light radiates intense ultraviolet (UV) light when operated, and most of the UV light emitted is not visible.



- Wear appropriate eye protection that blocks UV light. Do not look directly at the light during operation. Exposure to UV light, even for a brief period of time, can damage your eyes.

Recharging Instructions

Recharge the lamp when the dye fluorescence diminishes.

IMPORTANT: Charging the light for more than 24 hours at a time may damage the light.

1. Plug 110V charger into a wall outlet.
2. Connect the lamp to the charger.
3. The charge will be complete in 8 to 12 hours, and the lamp will be ready for use.

Operating Instructions

1. Press the switch located on the handle; the lamp will illuminate and stay **ON** as long as the switch is depressed. Release the switch to shut the lamp **OFF**.

FIG. 1

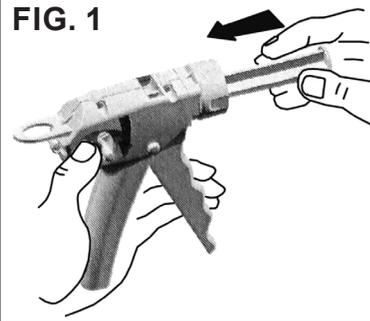


FIG. 2

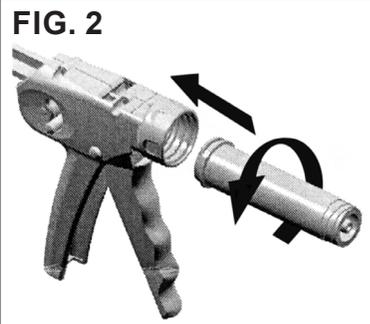


FIG. 3

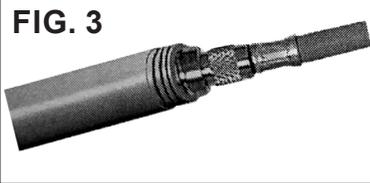


FIG. 4

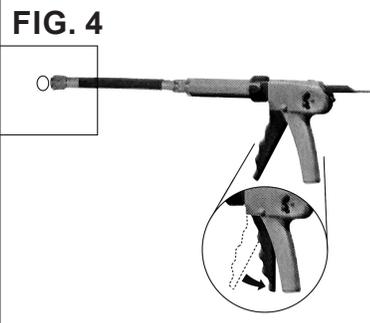


FIG. 5 Cartridge Selection Chart

16336 • For Medium Systems
up to 4.9 lbs. (2.2 kg) of refrigerant/
up to 1.6 qt. (1.5 L) of oil

16337. For Medium/Large Systems
5 to 9.9 lbs. (2.3 to 4.5 kg) of refrigerant/
1.7 to 3.2 qt. (1.6 to 3.0 L) of oil

16338. For Large Systems
10 to 25 lbs. (4.6 to 11.4 kg) of refrigerant/
3.3 qt. to 2 gal. (3.1 to 7.6 L) of oil

OEM approved Dye compatible with:
MINERAL, ESTER, PAG and ALKYL
BENZENE lubricants. U.S. Patents;
6,186,197 - 6,253,810