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Robinair 16240

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Brand: Robinair | Model: 16240

1. INTRODUCTION

The Robinair (16240) Tracker Universal A/C Fluorescent Dye is an advanced leak detection solution designed for automotive air conditioning systems. This 8 oz. bottle contains enough dye for up to 64 applications, making it an efficient tool for professional technicians and DIY enthusiasts alike. The dye is formulated to be the brightest in the industry, ensuring easy identification of leaks when used with an ultraviolet (UV) light. It is compatible with all materials found in vehicle A/C systems, is solvent-free, OEM backed and approved, and meets the SAE J2297 standard for use with both R134A and R1234YF refrigerants. It is also REACH and CLP compliant.





Image: Robinair 16240 Tracker Universal A/C Fluorescent Dye in an 8 oz bottle. The bottle is yellow with a white label displaying the brand "Robinair", product name "Tracker Universal A/C Fluorescent Leak Detection Dye", and model number "16240". It indicates "Services up to 64 vehicles" and "8 fl. oz. (237 ml) cartridge".

2. SAFETY INFORMATION

WARNING: Always read and understand all safety warnings and instructions before using this

product.

Possible safety warnings: Avoid skin and eye contact. Always wear appropriate protective clothing and eyewear, such as gloves and safety glasses, when handling the dye. Ensure proper ventilation in the work area during application to prevent inhalation of fumes. In case of contact, flush affected areas with plenty of water. If irritation persists, seek medical attention.

3. PRODUCT OVERVIEW AND CONTENTS

Key Features:

- 8oz. Tracker Universal A/C Fluorescent Dye features sixty four 1/8 oz applications all in one convenient bottle designed for use with the Robinair No. 16234 Dye Injection Gun.
- Brightest dye in the industry makes it easier to locate leaks - saving you time and effort.
- Meets and exceeds all industry performance standards for UV leak detection.
- OEM backed and approved, solvent-free formula is compatible with all materials found in automotive air conditioning systems.
- Meets the SAE J2297 standard for use with both R134A and R1234YF and is REACH and CLP compliant.

What's in the Box:

- One (1) Robinair (16240) Tracker Universal A/C Fluorescent Dye 8 oz. Bottle.

4. SETUP

The Robinair 16240 Fluorescent Dye is designed for use with a compatible dye injection gun, such as the Robinair No. 16234 Dye Injection Gun (sold separately). Ensure you have the correct injection tool before proceeding.

1. **Prepare the A/C System:** Ensure the vehicle's A/C system is depressurized or at a safe pressure level as per the injection gun's instructions.
2. **Connect to Injection Gun:** Securely attach the Robinair 16240 dye bottle to the Robinair No. 16234 Dye Injection Gun following the gun's specific instructions. Ensure a tight seal to prevent leaks.
3. **Prepare for Injection:** Follow the injection gun's instructions for purging air from the injection line if necessary, and preparing the system for dye introduction.

5. OPERATING INSTRUCTIONS

Once the dye bottle is properly connected to the injection gun and the A/C system is prepared, proceed with the following steps:

1. **Inject the Dye:** Connect the dye injection gun to the low-side service port of the vehicle's A/C system. Slowly inject the recommended amount of fluorescent dye into the system. Refer to the injection gun's manual for precise injection procedures and quantities.
2. **Circulate the Dye:** After injecting the dye, run the vehicle's A/C system for at least 15-30 minutes to allow the dye to circulate thoroughly with the refrigerant and oil. This ensures the dye reaches all potential leak points.
3. **Inspect for Leaks:** Using a high-intensity ultraviolet (UV) leak detection lamp and yellow-tinted glasses (recommended for best results), inspect all components of the A/C system for fluorescent glow. Pay close attention to fittings, hoses, compressor seals, condenser, evaporator (if accessible), and any other potential leak areas. A bright yellow-green glow indicates a refrigerant leak.
4. **Mark and Repair:** Once a leak is identified, mark the location for repair. After repairs are completed, it is recommended to re-inspect the area to confirm the leak has been sealed.

6. MAINTENANCE AND STORAGE

- **Storage:** Store the Robinair 16240 dye bottle in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the cap is tightly sealed when not in use to prevent contamination and evaporation.
- **Handling:** Always handle the dye bottle with care to avoid spills. In case of a spill, clean immediately with an absorbent material and dispose of according to local regulations.
- **Disposal:** Dispose of empty bottles and any contaminated materials in accordance with local environmental regulations for chemical waste.

7. TROUBLESHOOTING

- **No Dye Visible After Injection:**
 - Ensure the A/C system was run long enough for the dye to circulate.
 - Verify that the correct amount of dye was injected.
 - Check if the UV lamp is functioning correctly and is of sufficient intensity.
 - Ensure you are using appropriate UV-enhancing glasses.
- **Dye Not Injecting Properly:**
 - Check the connection between the dye bottle and the injection gun.
 - Ensure the injection gun is not clogged and is operating correctly.
 - Verify the A/C system pressure is within the range suitable for injection.

8. SPECIFICATIONS

Attribute	Value
Brand	Robinair
Model Name	16240
Tank Volume	8 Fluid Ounces (237 ml)
Color	Yellow
Item Weight	0.013 ounces (0.37 Grams)
Product Dimensions	11.55 x 3.2 x 3.25 inches
Power Source	Hand Powered (via injection gun)
Included Components	Robinair (16240) Tracker Universal A/C Fluorescent Dye
UPC	637335040724
Manufacturer	Robinair
SAE Standard Compliance	J2297 (for R134A and R1234YF)
Environmental Compliance	REACH and CLP compliant

9. WARRANTY AND SUPPORT

For specific warranty information regarding the Robinair (16240) Tracker Universal A/C Fluorescent Dye, please refer to the product packaging or contact Robinair customer support directly. As a Bosch Automotive Service Solutions brand, Robinair is committed to quality and performance.

For technical assistance, product inquiries, or support, please visit the official Robinair website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's website.

Robinair Official Website: www.robinair.com