

# TRACERLINE®

PROFESSIONAL OEM GRADE LEAK DETECTION

# 2022

## FLUORESCENT LEAK DETECTION AND DIAGNOSTIC TOOLS

**NEW!**

# OPTI-PRO™ UV MAX

PG 16

**MOST POWERFUL LAMP  
ON THE MARKET**

# HYBRID/EV A/C DYES

PG 5-7



— TRUSTED BY AUTOMOTIVE LEADERS —



ISO 9001:2015 CERTIFIED COMPANY

**TRACER** PRODUCTS  
A Division of Spectronics Corporation

# TRACER PRODUCTS

THE MOST TRUSTED NAME IN AUTOMOTIVE LEAK DETECTION

PINPOINT THE **EXACT SOURCE** OF ALL THESE LEAKS



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# FEATURED PRODUCTS



PG 6-7

## HYBRID/EV A/C DYES

Tracerline® hybrid/EV vehicle universal/ester A/C dyes are specially formulated with high-dielectric properties to **protect all hybrid/EV system components** – including electrically driven compressors.

It's the fast and mess-free way to add leak detection dye or **OEM-Grade** lubricating oil to a **hybrid/EV vehicle's A/C system**.



PG 8-9

## R-1234yf READY

To meet industry trends, Tracerline® has developed leak detection products made **specifically for R-1234yf A/C systems**. The Tracerline® R-1234yf product line includes complete leak detection kits, dye injection kits, and replacement dyes.



## MAX POWER LEAK DETECTION FLASHLIGHTS

NEW!

The new **OPTI-PRO™ UV MAX SERIES** offers the **highest-quality** leak detection lamps on the market. With a **more powerful** beam profile, technicians can spot **multiple leaks** in A/C, coolant, and oil-based fluid systems.

As the inventors of UV fluorescent leak detection, Tracerline® continues its legacy innovation – offering the highest-quality, OEM-grade UV dyes, lamps, and diagnostic tools.

PG 16



# FLUORO-LITE® 5 FLUORESCENT DYE



**FLUORESCES UP TO  
10% BRIGHTER**

Find leaks in automotive A/C and fluid systems quicker and more easily



**IMPROVED SHELF LIFE  
150% IMPROVEMENT**

Up to 5 years!



**EXCLUSIVE FORMULA**

From the inventors and most trusted name in fluorescent leak detection



**IMPROVED STABILITY**

More tolerant to extreme temperature range & moisture



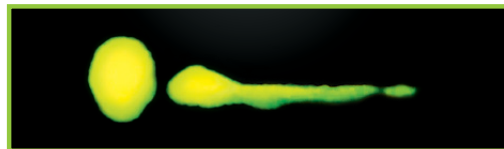
**ENVIRONMENTALLY SOUND**

Natural safe raw materials, small carbon footprint

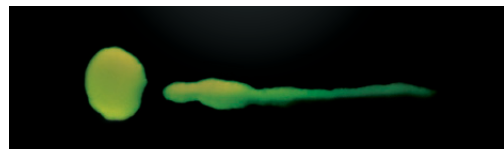


**TRACERLINE® BRAND DYES  
GLOW BRIGHTER THAN  
THE COMPETITION.**

*Shown under 400 nm light with amber glasses*



FLUORO-LITE® 5 DYE FORMULA



COMPETITOR DYE FORMULA

**THE HIGHEST QUALITY DYE FORMULATION IN THE WORLD.**

**oem  
GRADE**

Engineered and manufactured with OEM-approved lubricants.



10% brighter fluorescent performance, enhanced refractive properties.

**CO-SOLVENT  
FREE**

Doesn't affect system lubricant. Maintains the proper viscosity and lubricity.

**MEETS  
SAE  
J2297**

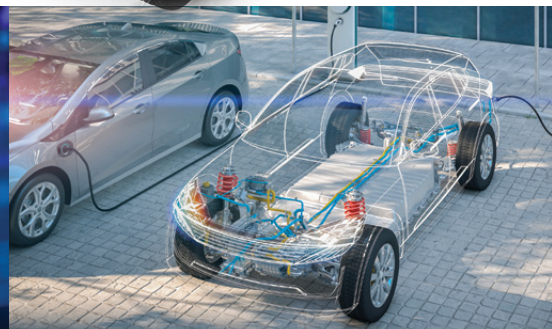
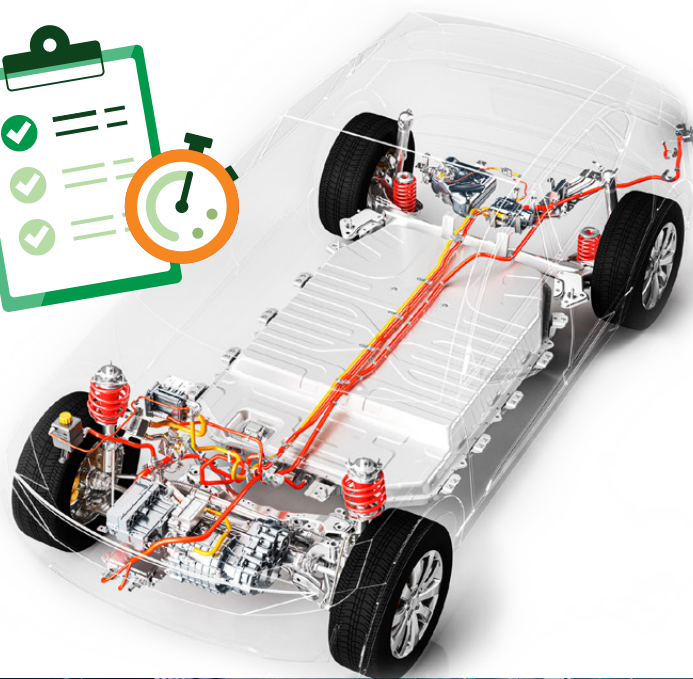
Independently tested to meet all international standards for all A/C system additives including UV leak detection.

# SPECIALIZED UV DYE FOR HYBRID AND ELECTRIC VEHICLES.

To test these dyes and ensure compatibility, the Tracer Products Research and Development team set up an electrically driven A/C system.

Hybrid/EV UV dye was introduced to the A/C system and tested for approximately **60,000 miles** to ensure the dye would not affect the system in any way.

The entire A/C system was monitored continuously for overall performance – especially for electrical faults or flaws.



The conclusion was that the data **remained stable for 60,000 miles** across the recorded:

- ✓ **Temperatures**
- ✓ **Pressures**
- ✓ **Compressor Voltage**
- ✓ **Compressor Current**
- ✓ **Breakdown of Oil Insulation**



The addition of Tracer Products' hybrid/EV UV dye did **not compromise the integrity of the system** – and the compressor housing voltage did not change.

The **FLUORO-LITE® 5 hybrid/EV dye** can be used in electrically driven automotive air conditioning systems **without creating a safety issue** in the **high voltage compressor** and **without affecting system performance**.



## COMMON QUESTIONS

### Why are leak detection dyes tested for compatibility?

To ensure user safety, prevent damage to equipment, and maintain original equipment operating standards.

### What are some common causes of electrical issues in hybrid/EV A/C systems?

The addition of non-compatible materials to the system can alter performance. System leaks can allow moisture to enter and create problems.

### When testing hybrid/EV UV dyes, what is the most important conclusion?

The dye must have no impact on the performance of the A/C system, be fully compatible, and ensure the technician's safety.

## HYBRID/EV A/C DYES

oem  
GRADE

BRIGHTER  
DYE  
PERFORMANCE

CO-SOLVENT  
FREE



### NEXT-GEN DYES

Electrically-driven A/C compressors require compatible leak detection dyes



### TESTED EXTENSIVELY

Tracer Products manufactures hybrid/electric fluorescent dyes with OEM-grade A/C oil



### COMPLETELY COMPATIBLE

FLUORO-LITE® 5 hybrid/electric dye can be used in electrically driven automotive air conditioning systems without creating a safety issue



## DETECT LEAKS IN ELECTRICALLY DRIVEN A/C COMPRESSORS FOR HYBRID AND ELECTRIC VEHICLES

The world's top automakers are introducing dozens of new battery-electric and hybrid gasoline-electric vehicles in the coming years.

As the automotive industry moves toward manufacturing more hybrid and electric vehicles, new diagnostic tools for these systems are required.

Electrically-driven A/C compressors require compatible leak detection dyes. Otherwise, the A/C compressor oil properties could be affected.



### ELECTRIC CARS ARE ON THE RISE

By 2030, electric cars will likely account for **20% of new vehicle sales** in the United States.



### CARBON EMISSIONS

The biggest automakers are accommodating regulators in **Europe and California** to cut carbon emissions.



### BIG EV INVESTMENTS

Investments in **EVs** include at least **\$19 billion** by automakers in the United States, **\$21 billion** in China, and **\$52 billion** in Germany.



### EV SUCCESS

Tesla's success in creating electric sedans and SUVs also adds **pressure for companies to adapt and innovate.**

## HYBRID/EV MINI-EZ™ R-1234yf A/C DYE

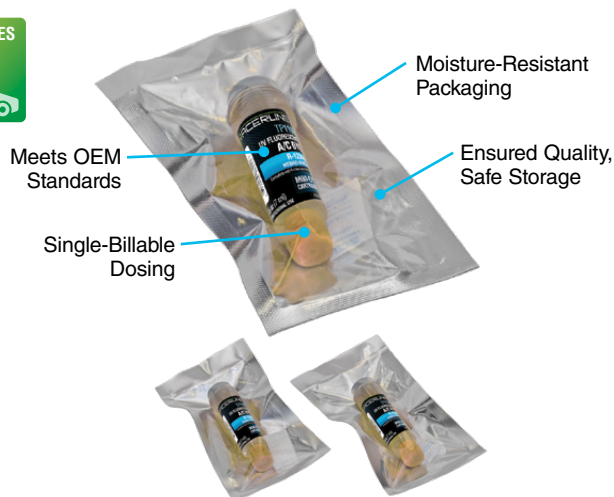
Specially Designed for R-1234yf Systems

**FEATURES:**

- ▶ Perfect for R-1234yf A/C systems with less compressor oil\*
- ▶ Specially formulated with high-dielectric properties to protect all hybrid/ EV system components - including electrically driven compressors
- ▶ Each cartridge is individually sealed in moisture-resistant packaging to reduce contamination and ensure safety

\*Compatible with R-134a systems

Product No.	Description
<b>TP1108-P3</b>	(3) 0.25 oz (7 ml) Mini-EZ™ single-dose R-1234yf HYBRID/EV A/C dye cartridges, services up to <b>3 vehicles</b>
<i>Please note: Mini-EZ™ Injector Assembly is sold separately:</i>	<ul style="list-style-type: none"> <li>▶ <b>TP9845</b> EZ-Ject™ dye injector assembly</li> <li>▶ <b>TP-9813</b> Solid-brass, swivel-type R-134a hybrid coupler with check valve and purge fitting</li> <li>▶ <b>TP9831</b> R-1234yf adapter</li> </ul>



### NEW COMPATIBILITY REQUIREMENTS

Modern R-1234yf hybrid/EV A/C systems have new compatibility requirements for fluorescent leak detection because:

- ▶ Smaller R-1234yf system oil charges = greater sensitivity to change
- ▶ A balanced dye-to-oil ratio is more difficult to maintain
- ▶ Low-quality, diluted dye could alter system properties
- ▶ R-1234yf systems require a concentrated, low-density, OEM-grade dye

## HYBRID/EV MINI-EZ™ UNIVERSAL/ESTER A/C DYE

Compatible with both R-1234yf & R-134a

**FEATURES:**

- ▶ Uniquely blended with special additives for hybrid A/C systems

Product No.	Description
<b>TP9811-P3</b>	(3) 0.25 oz (7 ml) Mini-EZ™ single-dose Hybrid/EV Universal/Ester A/C dye cartridges, services up to <b>3 vehicles</b>
<b>TP9812-BX</b>	<ul style="list-style-type: none"> <li>▶ <b>TP9811-P3</b> (3) 0.25 oz (7 ml) Mini-EZ™ single-dose Hybrid/EV Universal/Ester A/C dye cartridges, services up to <b>3 vehicles</b></li> <li>▶ <b>TP9845</b> EZ-Ject™ dye injector assembly</li> <li>▶ <b>TP-9813</b> Solid-brass, swivel-type R-134a hybrid coupler with check valve and purge fitting</li> <li>▶ <b>TP9831</b> R-1234yf adapter</li> </ul>



## HYBRID/EV UNIVERSAL/ESTER A/C OIL

Compatible with both R-1234yf & R-134a

Product No.	Description
<b>TP32EH-5</b>	5 oz (148 ml) foil pouch Viscosity: <b>32 cSt/Ester</b>



## HYBRID/EV UNIVERSAL/ESTER A/C OIL + UV DYE

Compatible with both R-1234yf & R-134a

Product No.	Description
<b>TP32EHD-5</b>	5 oz (148 ml) foil pouch Viscosity: <b>32 cSt/Ester</b>



# R-1234yf/PAG A/C DYE

**oem**  
GRADE

**BRIGHTER**  
DYE  
PERFORMANCE

**CO-SOLVENT**  
FREE

R-1234yf has become the preferred refrigerant among new vehicle manufacturers today. These systems require a smaller refrigerant charge and have a much lower impact on the environment.

Since R-1234yf is more expensive to manufacture, even the smallest A/C leaks can be costly to fix.

**THE MAJORITY OF COMPRESSOR FAILURES CAN BE ATTRIBUTED TO COMPROMISED A/C SYSTEMS.**

## FEATURED KIT

See page 18 for full line of kits offered.



**TPOPUV19**

## FLURO-LITE® 5 BOTTLED DYE

A/C DYE FOR R-1234yf/PAG

For R-1234yf/PAG vehicle air conditioning systems. Use a Tracerline dye injector to add bottled dye into the A/C system.

**BRIGHTER**  
DYE  
PERFORMANCE

Product No.	Description
<b>TP3825-P12</b>	(12) 0.25 oz (7 ml) R-1234yf/PAG bottles, services up to <b>12 vehicles</b>
<b>TP3825-1P6</b>	(6) 1 oz (30 ml) R-1234yf/PAG bottles, services up to <b>24 vehicles</b>
<b>TP3825-8</b>	8 oz (237 ml) R-1234yf/PAG bottle, services up to <b>32 vehicles</b>
<b>TP9883-BX</b>	<b>Inline Injector</b> , 2 oz (60 ml) capacity. Control valve, R-1234yf hose/coupler & purge fitting.
<b>TP9884-BX</b>	<b>Syringe Injector</b> , R-1234yf hose/coupler with check valve & purge fitting



## REFILLABLE INJECTORS

**INLINE**  
INJECTOR



**TP9883-BX**



**SYRINGE**  
INJECTOR



**TP9884-BX**





## Mini-EZ™ SYSTEM

A/C DYE FOR R-1234yf/PAG

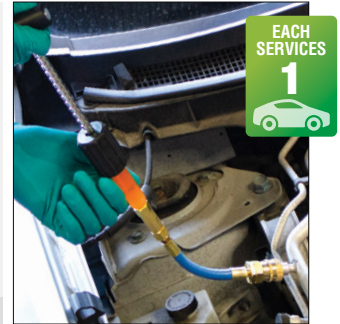
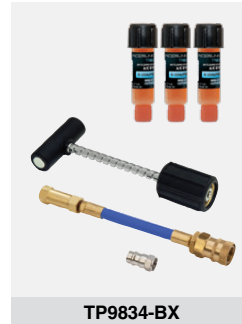
SINGLE, BILLABLE DOSING

**FEATURES:**

- ▶ 0.25 oz (7 ml) cartridge
- ▶ Single-dose, services **1 vehicle**



Product No.	Description
<b>TP9835-P3</b>	(3) Mini-EZ™ R-1234yf/PAG cartridges
<b>TP9834-BX</b>	<b>Mini-EZ™ Dye Injection Kit:</b> <ul style="list-style-type: none"> <li>▶ <b>TP9835-P3</b> (3) Mini-EZ™ R-1234yf/PAG cartridges</li> <li>▶ <b>TP9845</b> EZ-Ject™ dye injector assembly</li> <li>▶ <b>TP10</b> R-1234yf hose/coupler &amp; purge fitting</li> </ul>



## EZ-Ject™ SYSTEM

A/C DYE FOR R-1234yf/PAG

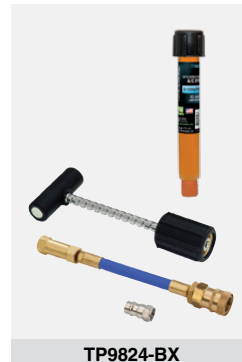
MULTI-DOSE

**FEATURES:**

- ▶ 0.5 oz (15 ml) cartridge
- ▶ Multi-dose, services up to **14 vehicles**



Product No.	Description
<b>TP9825-P3</b>	(3) EZ-Ject™ R-1234yf/PAG cartridges
<b>TP9824-BX</b>	<b>EZ-Ject™ Dye Injection Kit:</b> <ul style="list-style-type: none"> <li>▶ <b>TP9825</b> EZ-Ject™ R-1234yf/PAG cartridge</li> <li>▶ <b>TP9845</b> EZ-Ject™ dye injector assembly</li> <li>▶ <b>TP10</b> R-1234yf hose/coupler &amp; purge fitting</li> </ul>



## BigEZ™ SYSTEM

A/C DYE FOR R-1234yf/PAG

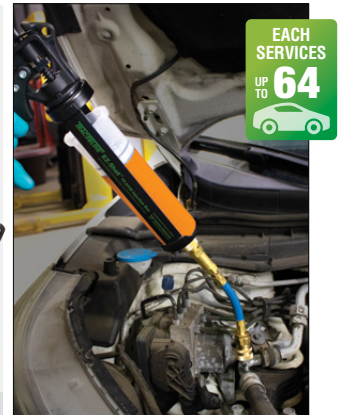
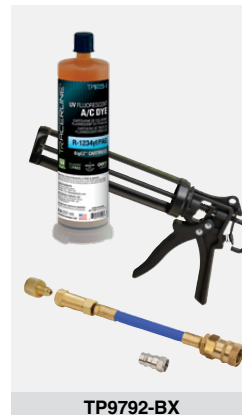
HIGH-VOLUME DOSING

**FEATURES:**

- ▶ 8 oz (237 ml) cartridge
- ▶ Multi-dose, services up to **64 vehicles**



Product No.	Description
<b>TP9725-8</b>	8 oz (237 ml) BigEZ™ R-1234yf/PAG cartridge
<b>TP9792-BX</b>	<b>EZ-Shot™ Dye Injection Kit:</b> <ul style="list-style-type: none"> <li>▶ <b>TP9725-8</b> BigEZ™ R-1234yf/PAG cartridge</li> <li>▶ <b>TP9749</b> EZ-Shot™ caulking gun-style dye injector assembly</li> <li>▶ <b>TP12</b> R-1234yf hose/coupler with BigEZ™ adapter &amp; purge fitting</li> </ul>



RECOMMENDED DYE DOSAGE:

	PRODUCT NUMBER	STANDARD DOSE
<b>Fluoro-Lite® 5 Bottled Dye</b>	<b>TP3825</b>	<b>0.25 oz (7 ml)</b> per <b>5 lbs (2 kg)</b> of refrigerant or <b>10 oz (300 ml)</b> of lubricant
<b>Mini-EZ™ Cartridge</b>	<b>TP9835</b>	<b>0.25 oz (7 ml)</b> per <b>5 lbs (2 kg)</b> of refrigerant or <b>10 oz (300 ml)</b> of lubricant
<b>EZ-Ject™ Cartridge</b>	<b>TP9825</b>	<b>0.035 oz (1 ml)</b> per <b>2.5 lbs (1 kg)</b> of refrigerant or <b>5 oz (150 ml)</b> of lubricant
<b>BigEZ™ Cartridge</b>	<b>TP9725</b>	<b>0.125 oz (3.7 ml)</b> per <b>2.5 lbs (1 kg)</b> of refrigerant or <b>5 oz (150 ml)</b> of lubricant

⊙Equivalent to 1 line on bottle/cartridge

# R-134a/PAG A/C DYE

**oem**  
GRADE

**BRIGHTER**  
DYE  
PERFORMANCE

**CO-SOLVENT**  
FREE

Aging R-134a A/C systems will develop leaks over time. Most of these leaks are caused by deteriorating fittings, joints, seals, and hose connections.

Road debris - such as rocks and asphalt - can also compromise A/C systems

**REFRIGERANT  
LEAKS ARE CAUSED  
BY BROKEN OR  
DETERIORATING  
SEALS.**

## FEATURED KITS

Compatible with R-134a

See **page 18** for full line of kits offered.



TPOPUV17



TPOPUV16

## FLUORO-LITE® 5 BOTTLED DYE

A/C DYE FOR R-134a/PAG

## REFILLABLE INJECTORS

For R-134a/PAG vehicle air conditioning systems. Use a Tracerline dye injector to add bottled dye into the A/C system.

**BRIGHTER**  
DYE  
PERFORMANCE

Product No.	Description
TP3820-P12	(12) 0.25 oz (7 ml) R-134a/PAG bottles, services up to <b>12 vehicles</b>
TP3820-1P6	(6) 1 oz (30 ml) R-134a/PAG bottles, services up to <b>24 vehicles</b>
TP3820-8	8 oz (237 ml) R-134a/PAG bottle, services up to <b>32 vehicles</b>
TP9882-BX	<b>Inline Injector</b> , 2 oz (60 ml) capacity. Control valve, R-134a hose/coupler & purge fitting.
TP9881-BX	<b>Syringe Injector</b> , R-134a hose/coupler with check valve & purge fitting



TP9882-BX



TP9881-BX



## Mini-EZ™ SYSTEM

A/C DYE FOR R-134a/PAG

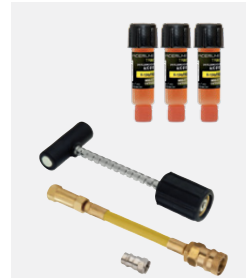
SINGLE, BILLABLE DOSING

**FEATURES:**

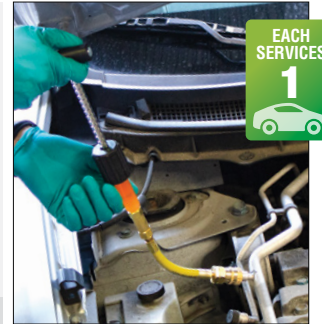
- ▶ 0.25 oz (7 ml) cartridge
- ▶ Single-dose, services **1 vehicle**



Product No.	Description
<b>TP9865-P6</b>	(6) Mini-EZ™ R-134a/PAG cartridges
<b>TP9890-BX</b>	<b>Mini-EZ™ Dye Injection Kit:</b> <ul style="list-style-type: none"> <li>▶ TP9865 (3) Mini-EZ™ R-134a/PAG cartridges</li> <li>▶ TP9845 EZ-Ject™ dye injector assembly</li> <li>▶ TP9847 R-134a hose/coupler &amp; purge fitting</li> </ul>



TP9890-BX



EACH SERVICES  
UP TO  
**1**

## EZ-Ject™ SYSTEM

A/C DYE FOR R-134a/PAG

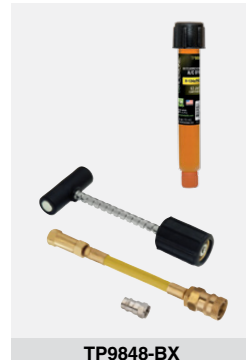
MULTI-DOSE

**FEATURES:**

- ▶ 0.5 oz (15 ml) cartridge
- ▶ Multi-dose, services up to **14 vehicles**



Product No.	Description
<b>TP9860-P6</b>	(6) EZ-Ject™ R-134a/PAG cartridges
<b>TP9848-BX</b>	<b>EZ-Ject™ Dye Injection Kit:</b> <ul style="list-style-type: none"> <li>▶ TP9860 EZ-Ject™ R-134a/PAG cartridge</li> <li>▶ TP9845 EZ-Ject™ dye injector assembly</li> <li>▶ TP9847 R-134a hose/coupler &amp; purge fitting</li> </ul>



TP9848-BX



EACH SERVICES  
UP TO  
**14**

## BigEZ™ SYSTEM

A/C DYE FOR R-134a/PAG

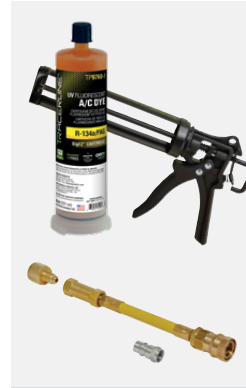
HIGH-VOLUME DOSING

**FEATURES:**

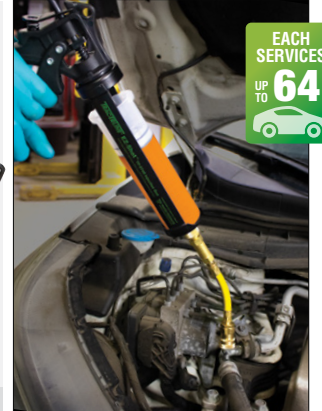
- ▶ 8 oz (237 ml) cartridge
- ▶ Multi-dose, services up to **64 vehicles**



Product No.	Description
<b>TP9760-8</b>	8 oz (237 ml) BigEZ™ R-134a/PAG cartridge
<b>TP9793-BX</b>	<b>EZ-Shot™ Dye Injection Kit:</b> <ul style="list-style-type: none"> <li>▶ TP9760-8 BigEZ™ R-134a/PAG cartridge</li> <li>▶ TP9749 EZ-Shot™ caulking gun-style dye injector assembly</li> <li>▶ TP11 R-134a hose/coupler with BigEZ™ adapter &amp; purge fitting</li> </ul>



TP9793-BX



EACH SERVICES  
UP TO  
**64**

RECOMMENDED DYE DOSAGE:

	PRODUCT NUMBER	STANDARD DOSE
Fluoro-Lite® 5 Bottled Dye	TP3820	0.25 oz (7 ml)Ⓢ per 5 lbs (2 kg) of refrigerant or 10 oz (300 ml) of lubricant
Mini-EZ™ Cartridge	TP9865	0.25 oz (7 ml) per 5 lbs (2 kg) of refrigerant or 10 oz (300 ml) of lubricant
EZ-Ject™ Cartridge	TP9860	0.035 oz (1 ml)Ⓢ per 2.5 lbs (1 kg) of refrigerant or 5 oz (150 ml) of lubricant
BigEZ™ Cartridge	TP9760	0.125 oz (3.7 ml)Ⓢ per 2.5 lbs (1 kg) of refrigerant or 5 oz (150 ml) of lubricant

ⓈEquivalent to 1 line on bottle/cartridge

# UNIVERSAL/ESTER A/C DYE

**CAUTION:** Not for use in hybrid/electric vehicles with electrically driven A/C compressors



**CO-SOLVENT FREE**

Tracerline Universal/Ester dyes are designed to be compatible with all widely used refrigerants for automotive A/C systems.

Tracerline dyes can remain safely within the system. That means once the repair is made, the dye can be used as part of a preventative maintenance program.

**TRACERLINE'S UV DYES ARE CONCENTRATED, SAFE TO USE, AND THEY WILL NOT AFFECT THE VEHICLE SYSTEM'S CHEMICAL OR OPERATIONAL PROPERTIES.**

## FEATURED KITS

See page 18 for full line of kits offered.



TPOPUV17



TPOPUV16

## FLUORO-LITE® 5 BOTTLED DYE

A/C DYE FOR UNIVERSAL/ESTER

## REFILLABLE INJECTORS

For all vehicle air conditioning systems. Use a Tracerline dye injector to add bottled dye into the A/C system.



Product No.	Description
TP3840-P12	(12) 0.25 oz (7 ml) Universal/Ester bottles, services up to <b>12 vehicles</b>
TP3840-1P6	(6) 1 oz (30 ml) Universal/Ester bottles, services up to <b>24 vehicles</b>
TP3840-8	8 oz (237 ml) Universal/Ester bottle, services up to <b>32 vehicles</b>
TP9882-BX	<b>Inline Injector</b> , 2 oz (60 ml) capacity. Control valve, R-134a hose/coupler & purge fitting.
TP9881-BX	<b>Syringe Injector</b> , R-134a hose/coupler with check valve & purge fitting



TP9882-BX



TP9881-BX



**NOTE:** R-1234yf systems require TP9831 adapter

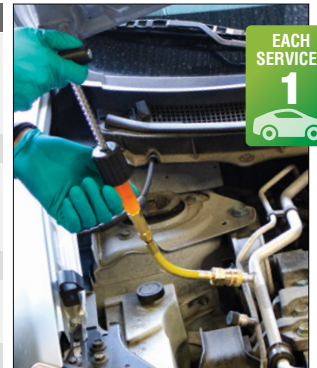
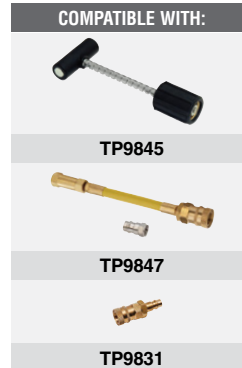
## Mini-EZ™ SYSTEM

A/C DYE FOR UNIVERSAL/ESTER

SINGLE, BILLABLE DOSING

**FEATURES:**

- ▶ 0.25 oz (7 ml) cartridge
- ▶ Single-dose, services 1 vehicle



Product No.	Description
TP9875-P6	(6) Mini-EZ™ Universal/Ester cartridges

**NOTE:** R-1234yf systems require TP9831 adapter

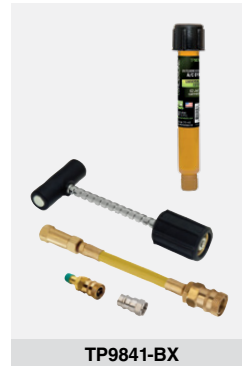
## EZ-Ject™ SYSTEM

A/C DYE FOR UNIVERSAL/ESTER

MULTI-DOSE

**FEATURES:**

- ▶ 0.5 oz (15 ml) cartridge
- ▶ Multi-dose, services up to 14 vehicles



Product No.	Description
TP9870-P6	(6) EZ-Ject™ Universal/Ester cartridges
TP9841-BX	<b>EZ-Ject™ Dye Injection Kit:</b> <ul style="list-style-type: none"> <li>▶ TP9870 EZ-Ject™ Universal/Ester cartridge</li> <li>▶ TP9845 EZ-Ject™ dye injector assembly</li> <li>▶ TP9847 R-134a hose/coupler &amp; purge fitting</li> <li>▶ TP9831 R-1234yf adapter</li> </ul>

**NOTE:** R-1234yf systems require TP9831 adapter

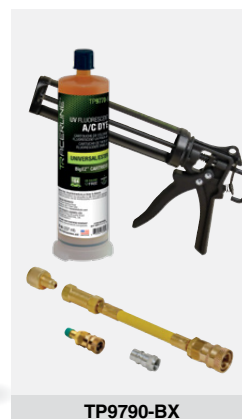
## BigEZ™ SYSTEM

A/C DYE FOR UNIVERSAL/ESTER

HIGH-VOLUME DOSING

**FEATURES:**

- ▶ 8 oz (237 ml) cartridge
- ▶ Multi-dose, services up to 64 vehicles



Product No.	Description
TP9770-8	8 oz (237 ml) BigEZ™ Universal/Ester cartridge
TP9790-BX	<b>EZ-Shot™ Dye Injection Kit:</b> <ul style="list-style-type: none"> <li>▶ TP9770-8 8 oz (237 ml) BigEZ™ Universal/Ester cartridge</li> <li>▶ TP9749 EZ-Shot™ caulking gun-style dye injector assembly</li> <li>▶ TP11 R-134a hose/coupler with BigEZ™ adapter &amp; purge fitting</li> <li>▶ TP9831 R-1234yf adapter</li> </ul>

**NOTE:** R-1234yf systems require TP9831 adapter

RECOMMENDED DYE DOSAGE:

	PRODUCT NUMBER	STANDARD DOSE
Fluoro-Lite® 5 Bottled Dye	TP3840	0.25 oz (7 ml)Ⓞ per 5 lbs (2 kg) of refrigerant or 10 oz (300 ml) of lubricant
Mini-EZ™ Cartridge	TP9875	0.25 oz (7 ml) per 5 lbs (2 kg) of refrigerant or 10 oz (300 ml) of lubricant
EZ-Ject™ Cartridge	TP9870	0.035 oz (1 ml)Ⓞ per 2.5 lbs (1 kg) of refrigerant or 5 oz (150 ml) of lubricant
BigEZ™ Cartridge	TP9770	0.125 oz (3.7 ml)Ⓞ per 2.5 lbs (1 kg) of refrigerant or 5 oz (150 ml) of lubricant

ⓄEquivalent to 1 line on bottle/cartridge

# FLUID DYE FOR OIL-BASED SYSTEMS

**oem**  
GRADE

**BRIGHTER**  
DYE  
PERFORMANCE

**CO-SOLVENT**  
FREE

**PINPOINT THE EXACT SOURCE OF MULTIPLE LEAKS IN COLOR!**



**POWER STEERING**



**ENGINE OIL**



**FUEL**



**TRANSMISSION**

## UV FLUORESCENT DYE

For all Circulating Oil-Based Fluid Systems

Patented, full-spectrum formulation. Works with all leak detection lights. Dye fluoresces yellow-green.

Product No.	Description
TP3400-1P6	(6) 1 oz (30 ml) bottles, services up to <b>6 vehicles</b>
TP3400-1P24	(24) 1 oz (30 ml) bottles, services up to <b>24 vehicles</b>
TP3400-8	8 oz (237 ml) bottle, services up to <b>8 vehicles</b>



See price list for all available dye sizes.

RECOMMENDED DYE DOSAGE:

### FLUID APPLICATIONS

<b>Engine Oil</b> (includes Synthetics)	
Gasoline	<b>1 oz</b> (30 ml) per <b>4-6 qt</b> (4-6 L)
Diesel	<b>1 oz</b> (30 ml) per <b>4 qt</b> (4 L)
<b>Power Steering</b>	<b>1 oz</b> (30 ml) per <b>4 qt</b> (4 L)
<b>Automatic Transmission</b>	<b>1 oz</b> (30 ml) per <b>6 qt</b> (6 L)
<b>Fuel</b> (Gasoline + Diesel)	<b>1 oz</b> (30 ml) per <b>6-9 gal</b> (23-34 L)
<b>Hydraulics*</b> (Synthetic- or Petroleum-Based)	
Light-to-Medium Colored	<b>1 oz</b> (30 ml) per <b>2-3 gal</b> (7.5-11 L)
Very Dark or Intensely Blue	<b>1 oz</b> (30 ml) per <b>2-3 qt</b> (2-3 L)

*\*Not for use in brake systems*



## UV FLUORESCENT DYE - MULTI-COLORED

For all Circulating Oil-Based Fluid Systems

With a set of color-coded leak detection dyes, a technician can diagnosis leaks across multiple, oil-based fluids – including transmission, oil and fuel. **Even in dirty diesel!**

Product No.	Description
TP3320	1 oz (30 ml) bottle, fluoresces <b>white</b> , services <b>1 vehicle</b>
TP3340	1 oz (30 ml) bottle, fluoresces <b>blue</b> , services <b>1 vehicle</b>
TP-3380	1 oz (30 ml) bottle, fluoresces <b>yellow</b> , services <b>1 vehicle</b>



See price list for all available dye sizes.

RECOMMENDED DYE DOSAGE:

### FLUID APPLICATIONS

<b>Engine Oil</b> (includes Synthetics)	
Gasoline	<b>1 oz</b> (30 ml) per <b>8-12 qt</b> (8-12 L)
Diesel	<b>1 oz</b> (30 ml) per <b>8 qt</b> (8 L)
<b>Power Steering</b>	<b>1 oz</b> (30 ml) per <b>8 qt</b> (8 L)
<b>Automatic Transmission</b>	<b>1 oz</b> (30 ml) per <b>12 qt</b> (12 L)
<b>Fuel</b> (Gasoline + Diesel)	<b>1 oz</b> (30 ml) per <b>12-18 gal</b> (45-68 L)
<b>Hydraulics*</b> (Synthetic- or Petroleum-Based)	
Light-to-Medium Colored	<b>1 oz</b> (30 ml) per <b>8 gal</b> (30 L)
Very Dark or Intensely Blue	<b>1 oz</b> (30 ml) per <b>4 gal</b> (15 L)

*\*Not for use in brake systems*

# COOLANT DYES

WATER-BASED DYE

## RITE-BLEND™ UNIVERSAL COOLANT DYE



For both Conventional & Extended-Life Coolants

OEM-Grade coolant dye that will not change the host color of the coolant. Works with all leak detection lights. Dye fluoresces yellow-green.

Product No.	Description
TP-3940-0601	(6) 1 oz (30 ml) bottles, services up to <b>6 vehicles</b>

See price list for all available dye sizes.



RECOMMENDED DYE DOSAGE:

FLUID	TP-3940
Coolant	1 oz (30 ml) per 6 gal (23 L)

RETAINS THE ORIGINAL COOLANT COLOR



## STANDARD COOLANT DYE

For all Conventional Coolants

Works with all leak detection lights. Dye fluoresces yellow-green.

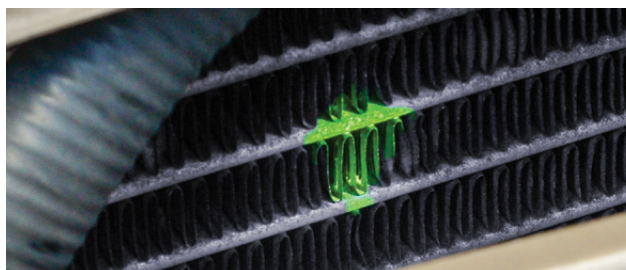
Product No.	Description
TP-3900-0601	(6) 1 oz (30 ml) bottles, services up to <b>6 vehicles</b>

See price list for all available dye sizes.



RECOMMENDED DYE DOSAGE:

FLUID	TP-3900
Coolant	1 oz (30 ml) per 6 gal (23 L)



## COOLSEAL™ A/C LEAK SEALER

Compatible with all popular refrigerants, including R-1234yf. Non-polymer, oil-soluble formula is safe for A/C system components and recovery equipment.

SEAL LEAKS IN:

- Condensers
- Accumulators
- Evaporators
- O-rings and hoses

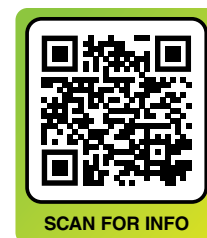
QUICKLY & PERMANENTLY



### COOL SEAL™ A/C LEAK SEALER SYRINGE INJECTOR KIT

Product No.	Description
TP-2210CS	▶ Cool Seal™ A/C leak sealer, pre-filled disposable syringe, services <b>1 vehicle</b> ▶ TP2272 hose/coupler with check valve & purge fitting
TP-2211CS	▶ 1 oz (30 ml) Cool Seal™ A/C leak sealer in pre-filled disposable syringe (syringe only)

**NOTE:** R-1234yf systems require TP9831 adapter



SCAN FOR INFO

VIOLET LED LIGHTS | OPTI-PRO™ UV MAX R & UV MAX

NEW!



**OPTI-PRO™ UV MAX R**  
TPOPUVMR

The new OPTI-PRO™ UV MAX series offers the highest-quality leak detection lamps on the market.

With a more powerful beam profile, technicians can spot multiple leaks in A/C, coolant, and oil-based fluid systems.

**LAMP SPECIFICATIONS**

<b>Run Time</b>	5+ hours <i>(depending on power mode and usage)</i>
<b>Charge Time</b>	5 hours



**35 ft (10.5 m) RANGE**



**USB RECHARGEABLE LI-ION BATTERY**



**POWERFUL BEAM**



**ADJUSTABLE FOCUS LENS**



**HIGH/LOW LIGHT**



**STROBE LIGHT**



**OPTI-PRO™ UV MAX**  
TPOPUVM

The TPOPUVM comes with all of the same great features as the TPOPUVMR – but it is instead powered by three AA batteries. Be confident all leak sites are found with this high-performance lamp.

The strobe light feature helps technicians contrast dye fluorescence from the surrounding area more easily. When there are multiple leaks are present, this feature helps technicians pinpoint all leaks.

**LAMP SPECIFICATIONS**

<b>Run Time</b>	5+ hours <i>(depending on power mode and usage)</i>
-----------------	--



**30 ft (9 m) RANGE**



**3 AA BATTERIES INCLUDED**



**POWERFUL BEAM**



**ADJUSTABLE FOCUS LENS**



**HIGH/LOW LIGHT**



**STROBE LIGHT**



**SPOT POWER BEAM PROFILE**  
POWERFUL COVERAGE

MAX POWER





# VIOLET LED LIGHTS | OPTI-PRO™ UV PLUS & UV








## OPTI-PRO™ UV PLUS TPOPUVP

Powerful and full of features – find leaks instantly using our OPTI-PRO™ UV Plus leak detection light.

This superior lamp comes with an adjustable focus lens, a high/low power setting, a strobe light feature for contrasting leaks, and a USB rechargeable lithium-ion battery.

### LAMP SPECIFICATIONS

<b>Run Time</b>	5+ hours <i>(depending on power mode and usage)</i>
<b>Charge Time</b>	5 hours

-  **25 ft (7.5 m) RANGE**
-  **USB RECHARGEABLE LI-ION BATTERY**
-  **HIGH/LOW LIGHT**
-  **ADJUSTABLE FOCUS LENS**
-  **STROBE LIGHT**






## OPTI-PRO™ UV TPOPUV

The OPTI-PRO™ UV comes complete with a powerful violet light LED and adjustable focus lens to identify leaks with ease.

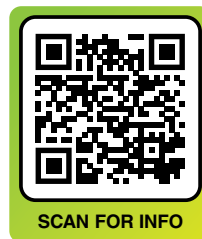
### LAMP SPECIFICATIONS

<b>Run Time</b>	4 hours
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-  **20 ft (6 m) RANGE**
-  **3 AAA BATTERIES INCLUDED**
-  **ADJUSTABLE FOCUS LENS**



**TP9940** – Fluorescence-enhancing glasses help to reduce glare and enhance leak detection results. Protect your eyes from glare, debris, and fluid.



**STROBE LIGHT:**  
The strobe feature helps technicians contrast the fluorescent effect even more! Makes leaks easier to spot throughout the entire system.



**ADJUSTABLE FOCUS LENS:**  
2 in 1: Narrow focus for a powerful beam of light to fluoresce the smallest leaks. Wide focus for larger scans and to reduce reflections.

**R-1234yf/PAG**

oem GRADE BRIGHTER DYE PERFORMANCE CO-SOLVENT FREE **A/C SERVICE KIT**

**R-1234yf/PAG A/C DYE**  
UV LEAK DETECTION KIT

Specially Designed for R-1234yf Systems

Modern R-1234yf air conditioning systems have new compatibility requirements for fluorescent leak detection. OEM-Grade Tracerline® R-1234yf dyes are completely compatible and perfect for diagnosing the latest A/C systems.

**TPOPUV19**

- ▶ **TPOPUV** OPTI-PRO™ UV cordless, violet light LED leak detection light
- ▶ **TP9835-P3** (3) 0.25 oz (7 ml) cartridges of Mini-EZ™ R-1234yf/PAG single-dose A/C dye, services up to **3 vehicles**
- ▶ **TP9845** EZ-Ject™ dye injector assembly
- ▶ **TP10** R-1234yf hose/coupler & purge fitting
- ▶ **TP19** 2 oz (60 ml) spray bottle of GLO-AWAY™ Plus fluorescent dye cleaner



VIOLET LIGHT LED UP TO 20 ft (6 m) Inspection Range 3x AAA Batteries Included Fluorescence Enhancing GLO-AWAY™ Plus + Underhood Labels R-1234yf Hose SERVICES UP TO 3 A/C SYSTEMS

**UNIVERSAL/ESTER**

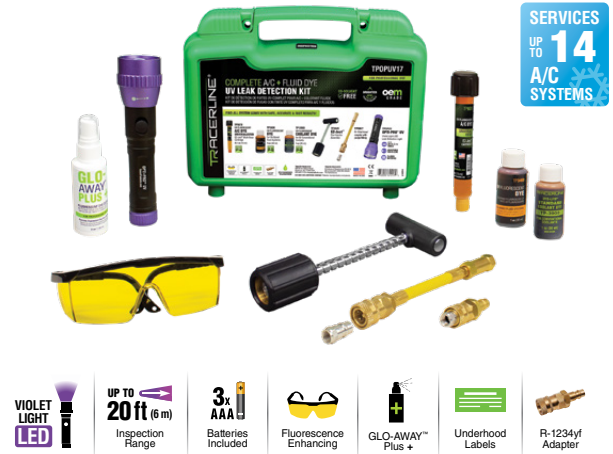
oem GRADE BRIGHTER DYE PERFORMANCE CO-SOLVENT FREE **COMPLETE SERVICE KIT**

**COMPLETE A/C + FLUID DYE**  
UV LEAK DETECTION KIT

Compatible with R-1234yf, R-134a, and more Oil-Based Fluids Coolant

**TPOPUV17**

- ▶ **TPOPUV** OPTI-PRO™ UV cordless, violet light LED leak detection light
- ▶ **TP9870** 0.5 oz (15 ml) cartridge of EZ-Ject™ Universal/Ester multi-dose A/C dye, services up to **14 vehicles**
- ▶ **TP3400** 1 oz (30 ml) bottle of dye for all circulating oil-based fluids, services **1 vehicle**
- ▶ **TP-3900** 1 oz (30 ml) bottle of Standard Coolant dye, services **1 vehicle**
- ▶ **TP9845** EZ-Ject™ dye injector assembly
- ▶ **TP9847** R-134a hose/coupler & purge fitting
- ▶ **TP19** 2 oz (60 ml) spray bottle of GLO-AWAY™ Plus fluorescent dye cleaner
- ▶ **TP9831** R-1234yf adapter



VIOLET LIGHT LED UP TO 20 ft (6 m) Inspection Range 3x AAA Batteries Included Fluorescence Enhancing GLO-AWAY™ Plus + Underhood Labels R-1234yf Adapter SERVICES UP TO 14 A/C SYSTEMS

**UNIVERSAL/ESTER**

oem GRADE BRIGHTER DYE PERFORMANCE CO-SOLVENT FREE **COMPLETE SERVICE KIT**

**COMPLETE A/C + FLUID DYE**  
UV LEAK DETECTION KIT

Compatible with R-1234yf, R-134a, and more Oil-Based Fluids Coolant

**TPOPUV16**

- ▶ **TPOPUV** OPTI-PRO™ UV cordless, violet light LED leak detection light
- ▶ **TP9770-8** 8 oz (237 ml) cartridge of BigEZ™ Universal/Ester multi-dose A/C dye, services up to **64 vehicles**
- ▶ **TP3400** 1 oz (30 ml) bottle of dye for all circulating oil-based fluids, services **1 vehicle**
- ▶ **TP-3900** 1 oz (30 ml) bottle of Standard Coolant dye, services **1 vehicle**
- ▶ **TP9749** EZ-Shot™ caulking gun-style dye injector assembly
- ▶ **TP11** R-134a hose/coupler with BigEZ™ adapter & purge fitting
- ▶ **TP19** 2 oz (60 ml) spray bottle of GLO-AWAY™ Plus fluorescent dye cleaner
- ▶ **TP9831** R-1234yf adapter



VIOLET LIGHT LED UP TO 20 ft (6 m) Inspection Range 3x AAA Batteries Included Fluorescence Enhancing GLO-AWAY™ Plus + Underhood Labels R-1234yf Adapter SERVICES UP TO 64 A/C SYSTEMS

**OIL-BASED FLUID SYSTEMS**

**oem**  
GRADE  
BRIGHTER  
DYE  
PERFORMANCE  
CO-SOLVENT  
FREE

**FLUID SERVICE KIT**

**MULTI-COLORED FLUID DYE**

**UV LEAK DETECTION KIT**

For all Circulating Oil-Based Fluid Systems

The kit includes three color-coded dyes for petroleum and synthetic-based fluids: white dye, yellow dye, and blue dye. The kit also includes a specially designed green fluorescent dye for conventional coolant.

By offering a kit with color-coded dyes, a technician can quickly isolate and identify multiple leaks in multiple vehicle systems.

**TPUV92**

- ▶ **TP-8695** UV LED cordless, leak detection light
- ▶ **TP3320\*** 1 oz (30 ml) bottle of dye for all circulating oil-based fluids, fluoresces **white**, services **1 vehicle**
- ▶ **TP3340\*** 1 oz (30 ml) bottle of dye for all circulating oil-based fluids, fluoresces **blue**, services **1 vehicle**
- ▶ **TP-3380\*** 1 oz (30 ml) bottle dye for all circulating oil-based fluids, fluoresces **yellow**, services **1 vehicle**
- ▶ **TP-3900** 1 oz (30 ml) bottle of Standard Coolant dye, fluoresces **yellow-green**, services **1 vehicle**

*\*Not for use in brake systems*



SERVICES  
UP TO  
**4**  
VEHICLE  
SYSTEMS

UV  
LED

UP TO  
**20ft** (6m)  
Inspection  
Range

**3x**  
AAA  
Batteries  
Included

UV-absorbing  
Glasses

Underhood  
Labels

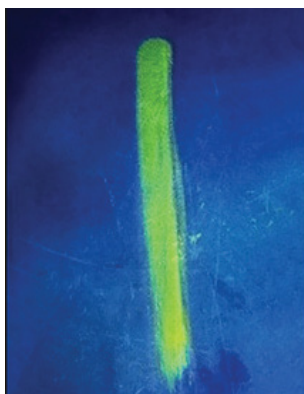


**FLUORESCENT DYE CLEANER**

**GLO-AWAY™ PLUS**  
FLUORESCENT DYE CLEANER

- ▶ New formulation that works to dissolve fluorescent dye from the leak site.
- ▶ Requires less application & less time removing left over dye.

Product No.	Description
TP19	2 oz (60 ml) spray bottle



Other Dye Cleaners



**GLO-AWAY™ PLUS**



Add UV dye, inspect with UV lamp, and pinpoint leak sites.



Stop host fluid from escaping. Worn hoses, gaskets, and loose connections can cause leaks.



Spray the leak sites with GLO-AWAY™ PLUS and wipe away. Reinspect with a UV lamp to ensure 100% repair.

# HEAVY DUTY/ FLEET

**oem**  
GRADE

**BRIGHTER**  
DYE  
PERFORMANCE

**CO-SOLVENT**  
FREE

## UNIVERSAL/ESTER

COMPLETE SERVICE KIT

### COMPLETE A/C + FLUID DYE

UV LEAK DETECTION KIT

Compatible with  
R-1234yf, R-134a, and more

**Oil-Based**  
Fluids

**Coolant**

#### TPOPUV57HD

- ▶ **TPOPUV OPTI-PRO™** UV cordless, violet light LED leak detection light
- ▶ **TP9870 (2)** 0.5 oz (15 ml) cartridges of EZ-Ject™ Universal/Ester multi-dose A/C dye, services up to **14 vehicles each**
- ▶ **TP3400-8** 8 oz (237 ml) bottle of dye for all circulating oil-based fluids, services up to **8 vehicles**
- ▶ **TP-3900-0008** 8 oz (237 ml) bottle of Standard Coolant dye, services up to **8 vehicles**
- ▶ **TP9845** EZ-Ject™ dye injector assembly
- ▶ **TP9847** R-134a hose/coupler & purge fitting
- ▶ **TP19** 2 oz (60 ml) spray bottle of GLO-AWAY™ Plus fluorescent dye cleaner
- ▶ **TP9831** R-1234yf adapter

SERVICES  
UP TO  
**28**  
A/C  
SYSTEMS



UP TO  
**20ft** (6m)  
Inspection  
Range

**3x**  
AAA  
Batteries  
Included



GLO-AWAY™  
Plus +



## OIL-BASED FLUID SYSTEMS

FLUID SERVICE KIT

### MULTI-COLORED FLUID DYE

UV LEAK DETECTION KIT

**Oil-Based**  
Fluids

**Coolant**

Color-coded dyes for oil-based fluids: white dye, yellow dye, and blue dye. Green dye for treating coolant leaks.

#### TPUV93HD

- ▶ **TP-8695** UV LED cordless, leak detection light
- ▶ **TP3320-8** 8 oz (237 ml) bottle of dye for all circulating oil-based fluids, fluoresces **white**, services up to **8 vehicles**
- ▶ **TP3340-8** 8 oz (237 ml) bottle of dye for all circulating oil-based fluids, fluoresces **blue**, services up to **8 vehicles**
- ▶ **TP-3380-0008** 8 oz (237 ml) bottle dye for all circulating oil-based fluids, fluoresces **yellow**, services up to **8 vehicles**
- ▶ **TP-3900-0008** 8 oz (237 ml) bottle of Standard Coolant dye, fluoresces **yellow-green**, services up to **8 vehicles**

SERVICES  
UP TO  
**32**  
VEHICLE  
SYSTEMS



UP TO  
**20ft** (6m)  
Inspection  
Range

**3x**  
AAA  
Batteries  
Included



Underhood  
Labels



# Marksman™ II

ULTRASONIC DIAGNOSTIC TOOL

## SOUND SIGNATURE TECHNOLOGY

### TP-9367L

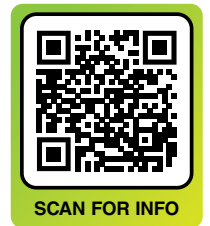
Advanced heterodyne circuitry and “sound signature technology” to convert and amplify inaudible ultrasonic sounds into audible “natural” sounds.

- ▶ Pinpoints air brake leaks, gear and bearing wear in wheel hubs, transmissions, transfer cases, differentials, compressed air, vacuum, electric motors and other pressurized leaks quickly and effortlessly
- ▶ 5-LED signal intensity indicator and audible alarm easily find exact problem source
- ▶ Self-adjusting Automatic Gain Control (AGC) circuitry enhances sensitivity and simplifies operation
- ▶ **Laser pointer** to help pinpoint the source of pressurized leaks
- ▶ Adjustable touch-control sensitivity pad and power switch
- ▶ Internal Noise Control (INC) ensures that tool is unaffected by ambient noise
- ▶ Checks for electrical discharge associated with insulation breakdown, carbon tracking and arcing
- ▶ Unique ultrasonic emitter helps locate faulty seals, gaskets and weather stripping in passenger cabs, trailers and other non-pressurized enclosures

Includes: Ultrasonic receiver, ultrasonic emitter, air probe, contact probe, headphones and rugged carrying case.



LASER POINTER



Frequency Response  
36,000 - 44,000 HZ

Noise Attenuating Headphones

2x D Batteries Included



## UV LED LIGHT

### TP-8695

Fluoresces all dyes, including green, white, blue, and yellow – **even in dirty fluids.**

UV-absorbing glasses, belt holster and lanyard are included.

#### LAMP SPECIFICATIONS

Light Source	UV LED
Range	Up to 20 ft (6 m)
Battery	3 AAA (included)
Run Time	4 hours
Glasses	UV-absorbing

UV LED

20 ft (6 m) RANGE

4 HOUR RUNTIME

3 AAA BATTERIES INCLUDED



FLUORESCES ALL SPECIALTY DYE COLORS

COLOR-CODED DYES  
TOTAL SYSTEM COVERAGE



In a single service call, a technician can scan all automotive fluid systems easily with the TP-8695 ultraviolet leak detection light.

**A/C OILS & DYES | FOIL POUCHES**



- ▶ MOISTURE-RESISTANT POUCH
- ▶ PROTECTS AGAINST CONTAMINATION
- ▶ FOR MODERN VEHICLES WITH LESS OIL CAPACITY



- ▶ SIMPLE POUR, EASY TO USE
- ▶ FOR REPLENISHING A/C COMPRESSOR OIL
- ▶ FOR INSTALLATION AND REMANUFACTURING

**R-1234yf/PAG OIL**

Specially Designed for R-1234yf Systems

Product No.	Description
TP42P-5	5 oz (148 ml) foil pouch Viscosity: 42 cSt/PAG



**R-1234yf/PAG OIL + UV DYE**

Specially Designed for R-1234yf Systems

Product No.	Description
TP42PD-5	5 oz (148 ml) foil pouch Viscosity: 42 cSt/PAG



**UNIVERSAL/ESTER OIL + UV DYE**

Compatible with R-134a and more

Universal formula designed for both PAG and mineral oil A/C systems.

Product No.	Description
TP100ED-5	5 oz (148 ml) foil pouch Viscosity: 100 cSt/Ester



**R-134a/PAG OIL + UV DYE**

Compatible with R-134a

Specifically developed for OEM and aftermarket R-134a A/C systems. Available in several viscosities for optimal system performance.

Product No.	Description
TP46PD-5	5 oz (148 ml) foil pouch Viscosity: 46 cSt/PAG
TP100PD-5	5 oz (148 ml) foil pouch Viscosity: 100 cSt/PAG
TP150PD-5	5 oz (148 ml) foil pouch Viscosity: 150 cSt/PAG



**CAUTION:**  
Not for use in R-1234yf systems  
Not for use in hybrid/electric vehicles with electrically driven A/C compressors

**CAUTION:** Not for use in R-1234yf systems



**HYBRID/EV UNIVERSAL/ESTER A/C OIL**

Compatible with both R-1234yf & R-134a

Product No.	Description
TP32EH-5	5 oz (148 ml) foil pouch Viscosity: 32 cSt/Ester



**HYBRID/EV UNIVERSAL/ESTER A/C OIL + UV DYE**

Compatible with both R-1234yf & R-134a

Product No.	Description
TP32EHD-5	5 oz (148 ml) foil pouch Viscosity: 32 cSt/Ester



## INVENTORS & PIONEERS SINCE 1955

For more than 66 years, Tracer Products has engineered the highest-quality, premium performance leak detection dyes and products. As the **inventors of ultraviolet fluorescent leak detection**, we take pride in crafting the most superior leak detection dyes in the industry.

Today, **major OEMs** around the world trust the Tracerline brand. Over **275 million vehicles** have used Tracerline's UV fluorescent leak detection dyes to ensure quality and system integrity.



## ESSENTIAL MANUFACTURER

Tracer Products provides **critical diagnostic leak detection equipment** for emergency service vehicles, food transport – and supports vital supply chains for infrastructure projects, manufacturing, and the overall economy.

Thereby, **Tracer Products** and its parent company – **Spectronics Corporation** – is designated an **Essential Manufacturer in the State of New York**.



## NEW FACILITY FOR 2022



New location in Melville, NY – Upgraded manufacturing, automated technology, and enhanced work stations for employees.

PG 5-7

**HYBRID/EV  
VEHICLE DYES**

PG 8-9

**R-1234yf  
READY**

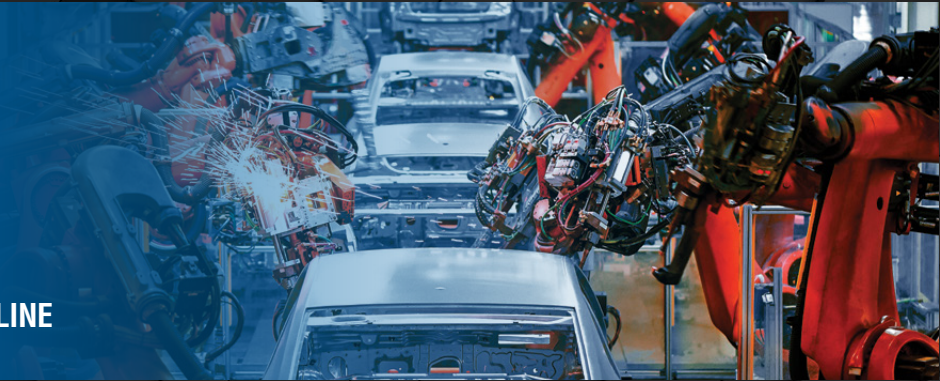
PG 16

**MAX POWER  
LEAK DETECTION  
FLASHLIGHTS**

# TRACER PRODUCTS

## OEM

TRACERLINE®  
INSTALLED ON THE ASSEMBLY LINE



## OES & AFTERMARKET

HIGHEST-QUALITY LEAK DETECTION  
AND DIAGNOSTIC TOOLS



## TRUSTED

BY MAJOR CAR MANUFACTURERS  
AND INSTALLED IN 275 MILLION VEHICLES



CHRYSLER

DAIMLER



Jeep



MASERATI



## TRACER PRODUCTS

A Division of Spectronics Corporation

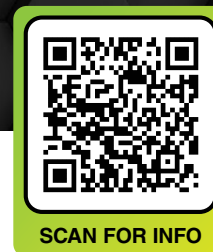
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