

Service Bulletin

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mazda

Category U	Applicable Model/s ALL MODELS	Subject USE OF A/C TRACER DYE	Bulletin No. 008/97
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			Revised

AFFECTED MODELS

All models.

DESCRIPTION

Use a florescent A/C leak detecting tracer dye and light for finding minute, intermittent leaks.

NOTE: Most electronic leak detectors can detect small steady leaks, but are ineffective on minute, intermittent leaks.

WHEN USING A/C TRACER DYE METHOD:

1. Follow the A/C tracer dye manufacturers instructions.

NOTE: Different manufacturers have different methods for installing, measuring and diagnosing with their particular product.

CAUTION:

- Use only a tracer dye that is compatible with the type of refrigerant and oil in the vehicle's A/C system.
- Tracer dye can lead to misdiagnosis and unnecessary parts replacement if used improperly.

2. After repairing the leak, clean the area that is covered with A/C tracer dye.

NOTE: This will prevent a future technician from mistaking this residue as a current leak.

3. When diagnosing an A/C leak on a vehicle that previously had tracer dye installed, thoroughly clean the suspected area and re-verify the leak prior to repairing.
4. After repairing the leak, evacuate and recharge the system as outlined in the workshop manual.

NOTE: DO NOT add additional A/C tracer dye when recharging the system.

- Flushing or changing the A/C oil is not necessary.
- Small amounts of the tracer dye will be found in the Recovery / Recycling tank, if recovery is necessary.

Tracer Dye Suppliers:

Supplier	Available At	Part Number	Note
Spectronics Corporation	(800) 641-1133	-----	(Or Equivalent)
Ford - Rotunda	See Dealer	112-R0027	(Or Equivalent)

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools / equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership.

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Refrigerant / Compressor Oil Reference Chart

Model	Model Year	Refrigerant	Compressor Oil Type
MX-6 / 626	93' and prior	R12	ATMOS S150
	94' and after	R134a	ATMOS GU10
PROTEGE	94' and prior	R12	ATMOS S150
	95' and after	R134a	SP10
MIATA	93' and prior	R12	ND7
	94' and after	R134a	ND9
RX-7	94' and prior	R12	ND7
	95' and after	R134a	ND9
MX-3	93' and prior	R12	ATMOS S150
	94' and after	R134a	ATMOS GU10
MPV	93' and prior	R12	ND6
	94' and after	R134a	ND8
MILLENNIA	95' and after	R134a	ATMOS GU10
929	93' and prior	R12	ATMOS S150
	94' and after	R134a	ATMOS GU10
NAVAJO	93' and prior	R12	ESHM2C31A2
	94' and after	R134a	WSHM1C231B
B-SERIES	Built before 9/20/93	R12	ESHM2C31A2
	Built after 9/20/93	R134a	WSHM1C231B