



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

DOT Auto Safety Hotline
Vehicle Owner's Questionnaire
To Report Vehicle Safety Defects
1-888-DASH-2-DOT
(1-888-327-4236)
INTERNET: www.nhtsa.dot.gov/hotline

FOR AGENCY USE ONLY 100079

Date Received

Repository ☐

2005 SEP 2003 PM

Reference No.
10040620

OWNER INFORMATION (Type or Print)

Name

Address

City

STRATHMERE

State NJ

Zip Code

Daytime Telephone Number

E-mail Address

Evening Telephone Number

Do you authorize NHTSA to provide a copy of this report to the manufacturer of your vehicle?
In the absence of an authorized signature, your name or address to the vehicle manufacturer.

☒ YES ☐ NO

Signature of Owner

Date 11/1/03

VEHICLE INFORMATION

17 digit vehicle identification number located in bottom of windshield on driver's side

JM1FD3319P0202639

Make

MAZDA

Model

RX7

Model Year

1993

Date Purchased

Dealer's Name and Telephone Number

MAPLE SHADE MAZDA 8566678004

Engine

No. Cylinders

Fuel Type:

GAS

Original Owner

Dealer's City

MAPLE SHADE NJ

State

NJ

Zip Code

08852

Rodney

Transmission Type

☒ Antilock Brakes

Powertrain

☒ Cruise Control

Vehicle Component Code

D60000 ENGINE AND ENGINE COOLING

Multiple Failure:

5 SPD

FAILED COMPONENT(S) / PART(S) INFORMATION

Incident Date(s)

25-SEP-2003

Failure Mileage

108,000

Failure Speed

40 mph

ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A TIRE FAILURE

Tire Make

Tire Model (Name or Number)

Tire Size (Example P215/65R15)

DOT No. (Example: DOTM15AB0036)

☐ Original Equipment
☐ Prior Repair

Failure Location:

Tire Component Code

Tire Failure Type

ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A CHILD SEAT FAILURE

Make:

Date Manufactured:

Model No./Name:

Seat Type:

Installation System:

Child Seat Component Code:

Failed Part:

APPLICABLE INCIDENT INFORMATION

(Please describe in detail the incident(s), failure(s), crash(es), and injury(ies).)

Crash

☐ Yes ☒ No

Fire

☐ Yes ☒ No

Number of Persons Injured

Number of Deaths

Reported to Police

N

Narrative Description of Incident(s), Crash(es), and Injury(ies).
Please describe (1) events leading up to the failure, (2) failure and its consequences, and (3) what was done to correct the failure;
i.e., parts repaired or replaced (and if old part is available).

THE CONSUMER RECEIVED A RECALL NHTSA #94-V-094-000 ON MAY 1997 ON THE RADIATOR CAP PRESSURE RELIEF VALVE. THE RELEASE PRESSURE WAS SET TOO HIGH WHICH COULD CAUSE THE COOLANT TO REACH TEMPERATURES THAT EXCEED THERMAL DESIGN LIMITS OF SOME COMPONENTS OF THE COOLANT SYSTEM. SHOULD THIS OCCUR THE ENGINE COOLANT COULD LEAK DIRECTLY ON TOP OF THE ENGINE. CONSUMER STATED THIS RECALL FAILED. *NLM

DEFENDER FAILED TO COMPLETE RECALL, WHICH REQUIRED
REPLACEMENT OF WATER PUMP

Include, if available: Police/Fire Department Report, Photos, and Repair Invoice.

ATTACH ADDITIONAL SHEETS IF NECESSARY.

The Privacy Act of 1974 (Public Law 93-579) This information is requested pursuant to authority vested in the National Highway Traffic Safety Act and subsequent amendments. You are under no obligation to respond to this questionnaire. Your response may be used to assist the NHTSA in determining whether a manufacturer should take appropriate action to correct a safety defect. If the NHTSA proceeds with administrative enforcement or litigation against a manufacturer, your response, or a statistical summary thereof, may be used in support of the agency's action.

11/1/03

TO: NHTSA
From: TDM Rossi

THE ATTACHES SHOW MY PROBLEM.
THIS VEHICLE HAD COOLANT SYSTEM
PROBLEMS. I REPORTED TO THE DEALER,
AND ONLY THE RADIATOR CAP WAS
REPLACED. (#1) I WAS THEN NOTIFIED
OF RECALLS, AND TOOK VEHICLE TO
DEALER 5/1/97. (#2). DEALER CLAIMS
RECALLS COMPLETED, BUT RECALL WAS
ONLY PARTIALLY COMPLETED!

#3 SHOWS FUEL HOSE RECALL, + #4
RADIATOR CAP PRESSURE RECALL.

#5 IS COOLANT LEAK RECALL.

#4 + #5 BOTH REQUIRE REPLACEMENT
OF COOLANT SYSTEM PARTS, INCLUDING
THE WATER PUMP. THIS WAS
OBVIOUSLY NOT DONE, AS IN OCTOBER
OF 1997, I LOST MY WATER PUMP
ON THE ROAD, AND HAD MY LOCAL
SHOP REPLACE IT ON 10/6/97 (#6). I
DID NOT THEN KNOW OF THE REQUIREMENT
OF THE DEALER REPLACEMENT.

I HAVE HAD PROBLEMS w/ ENGINE SINCE!!

THE SEALS WERE APPARENTLY
DAMAGED ALLOWING WATER
INTO THE COMBUSTION
CHAMBERS. I CONTINUED TO
COMPLAIN OF POOR PERFORMANCE,
BUT THE DEALER COULD
NOT CORRECT. RECENTLY
THE ENTIRE COOLANT SYSTEM
+ ENGINE FAILED. THE
ENGINE NEEDS TO BE REPLACED.

FUEL HOSE MAY LEAK FROM EXCESSIVE ENGINE HEAT

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NORTH WILDWOOD AUTO REPAIR
233 W. SPRUCE AVE.
NORTH WILDWOOD, NJ 08260 522-7939

Entire Article
1993 Mazda RX7

ARTICLE BEGINNING

NHTSA RECALL BULLETIN

Model(s): 1993 Mazda RX7
1994 Mazda RX7
Campaign No: 95V069000
Number of Affected Vehicles: 13400
Beginning Date of Manufacture: 1991 DEC
Ending Date of Manufacture: 1994 SEP

VEHICLE DESCRIPTION:

Passenger vehicles.

SYSTEM:

Fuel; fuel lines; hoses; non-metallic.

FAULT:

Broken, Shattered, Cracked, Split, Collapsed.

DESCRIPTION OF DEFECT:

Residual engine heat can cause premature deterioration of the fuel hose causing the hose to leak. Also, removing and reinstalling the deteriorated fuel hoses increases the likelihood of a leak.

CONSEQUENCE OF DEFECT:

This condition can result in an engine compartment fire.

CORRECTIVE ACTION:

Dealers will install an additional control unit for the electric cooling fan. The fan will then activate after the engine is turned off when the coolant exceeds a specified temperature. The fuel hoses will also be replaced with revised hoses.

NOTE:

If your vehicle is presented to an authorized dealer on an agreed upon service date and the remedy is not provided free of charge within a reasonable time, please contact Mazda at 1-800-222-5500. Also contact the National Highway Traffic Safety Administration's Auto Safety Hotline at 1-800-424-9393.

ADDITIONAL INFORMATION:

RADIATOR CAP PRESSURE SET TOO HIGH

Entire Article
1993 Mazda RX7

ARTICLE BEGINNING

NHTSA RECALL BULLETIN

Model(s): 1993 Mazda RX7
1994 Mazda RX7
Campaign No: 94V094000
Number of Affected Vehicles: 12316
Beginning Date of Manufacture: 1991 DEC
Ending Date of Manufacture: 1994 JAN

VEHICLE DESCRIPTION:

Passenger vehicles.

DESCRIPTION OF DEFECT:

The radiator cap pressure relief valve release pressure is set too high. This can cause the coolant to reach temperatures that exceed the thermal design limits of some components of the coolant system. Should this occur, engine coolant can leak collect on top of the engine.

FAULT:

Burned, Overheated, Burnt out, Melted

SYSTEM:

Engine cooling system.

CONSEQUENCE OF DEFECT:

If engine coolant leaks onto the hot engine exhaust manifold from the top of the engine, an engine compartment fire can result.

CORRECTIVE ACTION:

Dealers will inspect the vehicles and if any vehicle exhibits coolant leakage or if the coolant level has dropped to the point where the coolant loss would be sufficient to trigger the coolant level warning system, components potentially subject to deterioration from overheating would be replaced. These parts include the water pump bearing housing, the water level sensor and radiator upper hose, the thermostat gasket, and all water hoses located above the engine. In addition, all vehicles in which those components are replaced would also have the cooling system and other systems that carry flammable liquids checked to make certain that engine overheating had not caused any problems in those systems. Any identified problems will be repaired. The radiator cap, filler cap, and filler cap body of all recalled vehicles will be replaced by newly designed parts.

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NORTH WILDWOOD AUTO REPAIR
233 W. SPRUCE AVE.

Entire Article
1993 Mazda RX7

NORTH WILDWOOD, NJ 08260 522-7939

ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

RECALL CAMPAIGN 54407 COOLANT LEAK

Model(s): 1993-94 Mazda RX-7
Category: Recall Campaign
Bulletin No.: 54407
Date: August 8, 1994

DESCRIPTION

Dear Mazda Dealer:

Mazda Motor Corporation has decided to conduct Recall Campaign #54407 for replacement of selected engine cooling system components on certain 1993-94 Mazda RX-7 models, beginning August 8, 1994.

We have determined that if an RX-7 has been subjected to high speed operation and then parked before cooling down, the residual engine heat combined with the build-up of pressure in the cooling system can raise the temperature of the coolant to levels, where the integrity of the cooling system can be compromised. Repeated operation of the vehicle in this manner may produce cooling system leaks.

Under some circumstances, the leaking coolant mixture can collect on the top of the engine, where some of the water can evaporate, increasing the concentration of the coolant. If coolant then leaks onto the exhaust manifold, an engine compartment fire could be the result.

The RX-7 is equipped with a water level sensor that warns the driver of low coolant levels with both a warning light and accompanying buzzer. In most cases, the driver would be warned of a low water level prior to the point where enough coolant had been leaked to present any serious risk of fire.

Detailed information regarding this Recall Campaign is provided in CONDITION OF CONCERN section with additional information concerns in VEHICLES WITH A HISTORY OF A COOLANT LEAK, the letter sent to the owners of the subject vehicles is in OWNER NOTIFICATION LETTER section, and the repair procedure is given in SERVICE PROCEDURES section.

In an effort to demonstrate concern for customer satisfaction, we are requesting you to do the following two items:

54407 RECALL CAMPAIGN - 54407 - COOLANT LEAK

NORTH WILDWOOD AUTO REPAIR
233 W. SPRUCE AVE.
NORTH WILDWOOD, NJ 08260 522-7939

Entire Article
1993 Mazda RX7

- * Upon completion of the repairs, as part of a dealer effort to demonstrate concern for customer satisfaction, wash the vehicle, vacuum the interior, and clean the windows before returning the vehicle to the customer.
- * Call the customer within 48 hours of the recall repair's completion to ensure that the vehicle is performing satisfactorily. If there are any unresolved concerns the customer brings to your attention, schedule an inspection date to address the concerns.

The National Traffic and Motor Vehicle Safety Act prohibits selling or leasing any subject vehicles without performing the necessary repair for defects or failures. Therefore, please complete the necessary work for all new and used vehicles in your inventory prior to sale or lease.

Please make certain that the appropriate personnel in your dealership are familiar with the details of this Recall Campaign for responding to customer inquiries. Should you have any questions, please contact your District Customer Support Manager.

We apologize for any inconvenience this program may cause you and your personnel. Your understanding and support in carrying out this campaign will be greatly appreciated.

Sincerely,

Mazda Motor of America, Inc.

CONDITION OF CONCERN

If an RX-7 has been subjected to high speed operation and then parked before cooling down, the residual engine heat combined with the build-up of pressure in the cooling system can raise the temperature of the coolant to levels, where the integrity of the cooling system can be compromised. Repeated operation of the vehicle in this manner may produce cooling system leaks.

Under some circumstances, the leaking coolant mixture can collect on the top of the engine, where some of the water can evaporate, increasing the concentration of the coolant. If coolant then leaks onto the exhaust manifold, an engine compartment fire could be the result.

SUBJECT VEHICLES TABLE

Model Year & Model	VIN Range
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NORTH WILDWOOD AUTO REPAIR
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Entire Article
1993 Mazda RX7

NOTE: Be sure the gasket is installed in the correct direction. A projection on the gasket faces the double throttle body side.

31) Attach the water hoses at the outlet and inlet of the throttle body.

32) If the vehicle has no history of coolant leaks and no leaks were detected during initial testing, proceed to step 51.

REPLACEMENT OF THE WATER PUMP KIT AND THE THROTTLE HOSE KIT

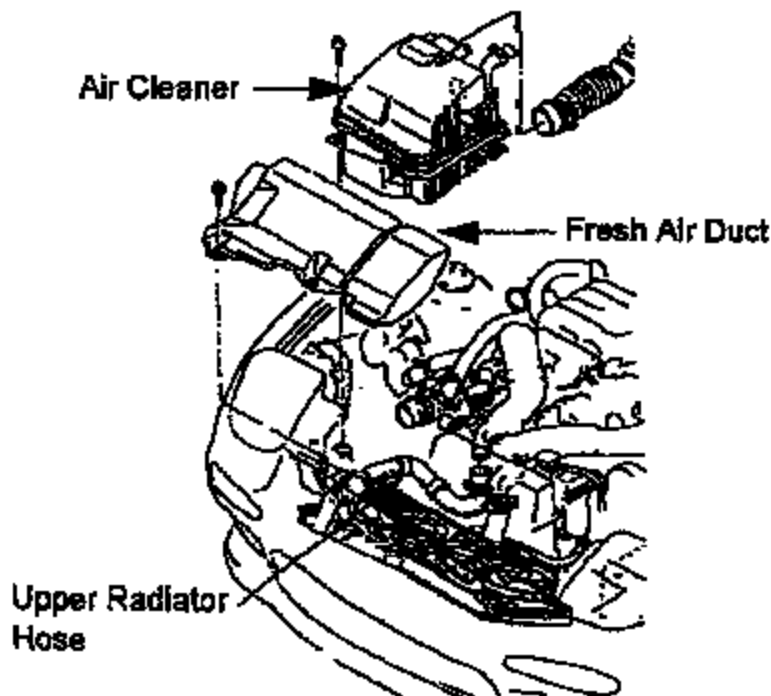
To be performed on vehicles that have experienced overheating or leaked during the pressure test.

33) Drain coolant and retain in appropriate container.

34) Remove the bolts from the fresh air duct, and remove the fresh air duct. See Fig. 24.

* Remove the rubber hoses from the air cleaner.

* Remove the air cleaner installation bolts.



08E51658

Fig. 24: Fresh Air Duct And Radiator Hose

**THE ATTACHMENTS TO THIS
DOCUMENT HAVE BEEN REMOVED
TO PROTECT UNWARRANTED
INVASION OF PERSONAL PRIVACY
PURSUANT TO EXEMPTION 6 OF
THE FREEDOM OF INFORMATION
ACT (FOIA), 5 U.S.C. 552(b)(6).**