

Part 573 Safety Recall Report**15V-674****Manufacturer Name :** Mazda North American Operations**Submission Date :** OCT 25,2015**NHTSA Recall No. :** 15V-674**Manufacturer Recall No. :** 8715J**Manufacturer Information :**

Manufacturer Name : Mazda North American Operations

Address : 1025 Connecticut Avenue, NW

Suite 910 Washington DC 20036

Company phone : 800-222-5500

Population :

Number of potentially involved : 1,368,500

Estimated percentage with defect : 0

Vehicle Information :

Vehicle : 1993-1995 Mazda Mazda929

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The vehicles manufactured at Hiroshima plant of Mazda Motor Corporation in Japan.

Production Dates : SEP 01, 1992 - APR 26, 1995

VIN (Vehicle Identification Number) RangeBegin : JM1HD4619P0202246 End : JM1HD4619P0216485 Not sequential VINsBegin : JM1HD4612R0300005 End : JM1HD4616R0310245 Not sequential VINsBegin : JM1HD4618S0400003 End : JM1HD4611S0404281 Not sequential VINs

Vehicle : 1989-1998 Mazda MPV

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The vehicles manufactured at Hiroshima plant of Mazda Motor Corporation.

Production Dates : APR 05, 1988 - NOV 25, 1998

VIN (Vehicle Identification Number) RangeBegin : JM2LV6212K0100025 End : JM2LV6214K0120289 Not sequential VINsBegin : JM3LV5224K0100008 End : JM3LV5224K0139584 Not sequential VINsBegin : JM2LV6211L0240391 End : JM2LV6216L0248728 Not sequential VINsBegin : JM3LV5238L0200008 End : JM3LV5239L0259049 Not sequential VINsBegin : JM2LV6211M0300011 End : JM2LV6211M0349936 Not sequential VINs

Begin : JM3LV5220M0300001	End : JM3LV5229M0357037	<input type="checkbox"/> Not sequential VINs
Begin : JM2LV6210N0413191	End : JM2LV6210N0454310	<input type="checkbox"/> Not sequential VINs
Begin : JM3LV5220N0400021	End : JM3LV522XN0454877	<input type="checkbox"/> Not sequential VINs
Begin : JM3LV5226P0500014	End : JM3LV5228P0536352	<input type="checkbox"/> Not sequential VINs
Begin : JM3LV5222R0600016	End : JM3LV5228R0631965	<input type="checkbox"/> Not sequential VINs
Begin : JM3LV522XS0700001	End : JM3LV5230S0718452	<input type="checkbox"/> Not sequential VINs
Begin : JM3LV5227T0800008	End : JM3LV5229T0816064	<input type="checkbox"/> Not sequential VINs
Begin : JM3LV5227V0816065	End : JM3LV5222V0831427	<input type="checkbox"/> Not sequential VINs
Begin : JM3LV522XW0831452	End : JM3LV5231W0849881	<input type="checkbox"/> Not sequential VINs

Vehicle : 1992-1993 Mazda MX-3

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : The vehicles manufactured at Hiroshima plant of Mazda Motor Corporation in Japan.

Production Dates : JUL 30, 1991 - AUG 19, 1993

VIN (Vehicle Identification Number) Range

Begin : JM1EC4329N0100039	End : JM1EC4323N0139676	<input type="checkbox"/> Not sequential VINs
Begin : JM1EC4315P0200004	End : JM1EC4321P0238628	<input type="checkbox"/> Not sequential VINs

Vehicle : 1990-1998 Mazda Protege

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : the manufactured vehicles at Hiroshima plant of Mazda Motor Corporation in Japan.

Production Dates : MAY 09, 1989 - APR 13, 1998

VIN (Vehicle Identification Number) Range

Begin : JM1BG2245L0100065	End : JM1BG2261L0191224	<input type="checkbox"/> Not sequential VINs
Begin : JM1BG2246M0200001	End : JM1BG226XM0311314	<input type="checkbox"/> Not sequential VINs
Begin : JM1BG2249N0400016	End : JM1BG2240N0514485	<input type="checkbox"/> Not sequential VINs
Begin : JM1BG2247P0550001	End : JM1BG2249P0655946	<input type="checkbox"/> Not sequential VINs
Begin : JM1BG2240R0700002	End : JM1BG2249R0820395	<input type="checkbox"/> Not sequential VINs
Begin : JM1BG2249S0830401	End : JM1BG2246S0839749	<input type="checkbox"/> Not sequential VINs
Begin : JM1BA1418S0138919	End : JM1BA1416S0140359	<input type="checkbox"/> Not sequential VINs
Begin : JM1BB1422T0313284	End : JM1BB1427T0365977	<input type="checkbox"/> Not sequential VINs

Begin : JM1BC1429V0128326

End : JM1BC141XV0162556

 Not sequential VINs

Vehicle : 1990-1995 Mazda Mazda323

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : GAS

Descriptive Information : The manufactured vehicles at Hiroshima plant of Mazda Motor Corporation in Japan.

Production Dates : MAY 30, 1989 - APR 21, 1995

VIN (Vehicle Identification Number) Range

Begin : JM1BG2326L0100122

End : JM1BG2325L0191223

 Not sequential VINs

Begin : JM1BG2324M0200009

End : JM1BG2329M0311297

 Not sequential VINs

Begin : JM1BG2324N0400017

End : JM1BG2320N0510921

 Not sequential VINs

Begin : JM1BG2323P0550011

End : JM1BG2322P0654909

 Not sequential VINs

Begin : JM1BG2323R0700007

End : JM1BG2327R0820358

 Not sequential VINs

Begin : JM1BG2320S0832745

End : JM1BG2324S0838872

 Not sequential VINs

Vehicle : 1993-1998 Mazda Mazda626

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The vehicles Manufactured at Auto Alliance International, USA.

Production Dates : SEP 01, 1992 - MAR 31, 1998

VIN (Vehicle Identification Number) Range

Begin : 1YVGE22A8P5130584

End : 1YVGE22B2P5247120

 Not sequential VINs

Begin : 1YVGE22C9R5100014

End : 1YVGE22D7R5215090

 Not sequential VINs

Begin : 1YVGE22C4S5300031

End : 1YVGE22D7S5431365

 Not sequential VINs

Begin : 1YVGE22C3T5500030

End : 1YVGE22D8T5589232

 Not sequential VINs

Begin : 1YVGE22CXV5592000

End : 1YVGE22D2V5682122

 Not sequential VINs

Begin : 1YVGF22C5W5100178

End : 1YVGF22D4W5757093

 Not sequential VINs

Vehicle : 1993-1997 Mazda MX-6

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : The manufactured vehicles at Auto Alliance International in USA.

Production Dates : SEP 01, 1992 - MAY 30, 1997

VIN (Vehicle Identification Number) Range

Begin : 1YVGE31B9P5000717	End : 1YVGE31B5P5249869	<input type="checkbox"/> Not sequential VINs
Begin : 1YVGE31D0R5100029	End : 1YVGE31D2R5216915	<input type="checkbox"/> Not sequential VINs
Begin : 1YVGE31DXS5308585	End : 1YVGE31D9S5431388	<input type="checkbox"/> Not sequential VINs
Begin : 1YVGE31C2T5507896	End : 1YVGE31D0T5590298	<input type="checkbox"/> Not sequential VINs
Begin : 1YVGE31C2V5611968	End : 1YVGE31D1V5673418	<input type="checkbox"/> Not sequential VINs

Description of Defect :

Description of the Defect : Updated on 10/26, 2015; The affected production date range of MPV vehicles has revised, 4/5/1998 through 11/25/1998.

On Oct 10, 2015; MX-6 vehicles has been added to the affected models. and Protege/323 vehicles has been divided into separately. The total amount of involved in this recall is 1368500 units.

Due to an excessive amount of grease at the contact points inside the ignition switch, the grease may carbonize and accumulate between the contact points, reducing the electrical insulation performance inside the switch. As a result, continuous use may lead the contact points to become conductive which can overheat the switch resulting in smoke, and in the worst case, a fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The switch may generate smoke, in the worst case, resulting in a fire.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : U-SHIN LTD.

Address : Shiba-daimon 1-1-30, Minato, Tokyo Japan

FOREIGN STATES

Country : Japan

Chronology :

May, 2001 Mazda received a field report from the Japan market. The report said that short circuit occurred at the ignition switch and smoke was emitted, and starter continued running. However, we couldn't collect and investigate the switch and then we determined to continue monitoring the field.

April, 2002 Mazda received a field report with a fire from Japan market. However, Mazda determined to continue monitoring the field because this failure occurred because the vehicle continued running with ignition switch overrun.

March, 2008 As a result of the investigation of the failure switch, Mazda determined that insulation failure occurred due to grease accumulation if an excessive amount of grease was applied to the ignition switch, leading to a smoke and a short circuit resulting in engine stop.

October, 2010 Mazda believed that the excessive amount grease was due to grease injection in the field maintenance and decided to continue monitoring the field.

April 17, 2015: Mazda was requested to assess the switch assembly by the Japan authority regarding the affected ignition switch, as another manufacturer conducted a safety recall on the same type of ignition switch in Japan

October 12, 2015: Mazda has not been able to determine the source of the excessive grease (production or field maintenance)but understands there is a potential that this situation can result in the switch overheating and possibly resulting in a fire. Therefore, Mazda decided to conduct a safety recall campaign on the affected vehicles.

Description of Remedy :

Description of Remedy Program : For all the vehicle owners involved with the recall campaign, MNAO will notify them of the recall campaign. We will replace the ignition switch for free.

How Remedy Component Differs from Recalled Component : We have changed the grease used at the terminal of the ignition switch to the fluorine-based grease which is less susceptible to the formation of carbon.

Identify How/When Recall Condition was Corrected in Production : No countermeasure has been taken because mass production has already finished.

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : DEC 05, 2015 - DEC 05, 2015

Planned Owner Notification Date : DEC 15, 2015 - DEC 15, 2015

* NR - Not Reported