

Part 573 Safety Recall Report

24V-374

Manufacturer Name : BYD Coach & Bus

Submission Date : JUN 03, 2024

NHTSA Recall No. : 24V-374

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : BYD Coach & Bus

Address : 46147 BYD Blvd
Lancaster CA 93534

Company phone : 661-940-3250

Population :

Number of potentially involved : 227

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2023 BYD/RIDE K7M,K8M,K9M,K9S,K9MD,C10M,K11M

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : The recall population includes vehicles where production records indicate the subject component was installed at the time of original vehicle manufacture or thereafter. The recall population excludes vehicles produced prior to sourcing of the subject component and after the date on which containment of the subject component was implemented.

Production Dates : JAN 01, 2021 - MAY 02, 2024

VIN Range 1 : Begin :	4B9KDLA43P2038021	End :	4B9KDLA43P2038027	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin :	4B9KDLA44P2038030	End :	4B9KDLA46P2038031	<input type="checkbox"/> Not sequential
VIN Range 3 : Begin :	4B9KTHA84P2038001	End :	4B9KTHA84P2038001	<input type="checkbox"/> Not sequential
VIN Range 4 : Begin :	4B9KALA68P2038011	End :	4B9KALA61P2038013	<input type="checkbox"/> Not sequential
VIN Range 5 : Begin :	4B9KDLA6XP2038017	End :	4B9KDLA63P2038022	<input type="checkbox"/> Not sequential
VIN Range 6 : Begin :	4B9KCGA84P2038011	End :	4B9KCGA81P2038015	<input checked="" type="checkbox"/> Not sequential
VIN Range 7 : Begin :	4B9KALA65P2038001	End :	4B9KALA62P2038005	<input type="checkbox"/> Not sequential
VIN Range 8 : Begin :	4B9KDLA60P2038009	End :	4B9KDLA68P2038016	<input type="checkbox"/> Not sequential
VIN Range 9 : Begin :	4B9KSLA65N2038011	End :	4B9KSLA60N2038014	<input type="checkbox"/> Not sequential
VIN Range 10 : Begin :	4B9KTHA86P2038002	End :	4B9KTHA83P2038006	<input type="checkbox"/> Not sequential
VIN Range 11 : Begin :	4B9KALA62N2038003	End :	4B9KALA62N2038003	<input type="checkbox"/> Not sequential
VIN Range 12 : Begin :	4B9KALA64P2038006	End :	4B9KALA68P2038008	<input type="checkbox"/> Not sequential
VIN Range 13 : Begin :	4B9KDLA62N2038008	End :	4B9KDLA62N2038008	<input type="checkbox"/> Not sequential
VIN Range 14 : Begin :	4B9KDLA42N2038041	End :	4B9KDLA46N2038043	<input type="checkbox"/> Not sequential
VIN Range 15 : Begin :	4B9KSLA80N2038001	End :	4B9KSLA84N2038003	<input type="checkbox"/> Not sequential
VIN Range 16 : Begin :	4B9KDLA41N2038001	End :	4B9KDLA48P2038015	<input checked="" type="checkbox"/> Not sequential
VIN Range 17 : Begin :	4B9KALA66M2038004	End :	4B9KALA6XM2038006	<input type="checkbox"/> Not sequential
VIN Range 18 : Begin :	4B9KTHA81N2038003	End :	4B9KTHA81N2038003	<input type="checkbox"/> Not sequential
VIN Range 19 : Begin :	4B9KALA64N2038004	End :	4B9KALA66N2038005	<input type="checkbox"/> Not sequential
VIN Range 20 : Begin :	4B9KDLA65K2038001	End :	4B9KDLA67K2038002	<input type="checkbox"/> Not sequential
VIN Range 21 : Begin :	4B9KDLA43MB038001	End :	4B9KDLA43MB038001	<input type="checkbox"/> Not sequential
VIN Range 22 : Begin :	4B9KALA60M2038001	End :	4B9KALA60M2038001	<input type="checkbox"/> Not sequential
VIN Range 23 : Begin :	4B9KSLA64M2038015	End :	4B9KSLA66M2038016	<input type="checkbox"/> Not sequential
VIN Range 24 : Begin :	4B9KTHA8XM2038001	End :	4B9KTHA8XM2038001	<input type="checkbox"/> Not sequential
VIN Range 25 : Begin :	4B9KDLA61M2038001	End :	4B9KDLA61M2038001	<input type="checkbox"/> Not sequential
VIN Range 26 : Begin :	4B9KSLA86M2038003	End :	4B9KSLA88N2038005	<input type="checkbox"/> Not sequential
VIN Range 27 : Begin :	4B9KSLA64M2038001	End :	4B9KSLA62M2038014	<input type="checkbox"/> Not sequential
VIN Range 28 : Begin :	4B9KDLA45M2038002	End :	4B9KDLA4XM2038030	<input type="checkbox"/> Not sequential
VIN Range 29 : Begin :	4B9KSLA65L2038006	End :	4B9KSLA67L2038024	<input checked="" type="checkbox"/> Not sequential
VIN Range 30 : Begin :	4B9KCGA89M2038002	End :	4B9KCGA8XM2038011	<input type="checkbox"/> Not sequential
VIN Range 31 : Begin :	4B9KCGA89L2038001	End :	4B9KCGA86L2038005	<input type="checkbox"/> Not sequential

Description of Defect :

Description of the Defect : The fuse rating of the mirror control switch module may be inadequate to ensure appropriate protection against overheating. As a result, BYD/RIDE has decided to voluntarily initiate a safety recall campaign for the vehicle population that may be affected by the issue.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Inadequate fuse rating may cause the mirror control switch to malfunction and overheat, and if not addressed, under certain circumstances, it could lead to an increased risk of a thermal event or possibly fire around the mirror control switch module area.

Description of the Cause : NR

Identification of Any Warning that can Occur : BYD/RIDE is not aware of any warning that can occur.

Involved Components :

Component Name 1 : Mirror Control Joystick Switch

Component Description : The switch is to adjust the external rear view mirror, right and left, up and down

Component Part Number : X516-3ASY

Supplier Identification :**Component Manufacturer**

Name : Safe Fleet

Address : 13501 S. Ridge Drive,
Charlotte North Carolina 28273

Country : United States

Chronology :

1. On 2/2/2024, a BYD/RIDE customer reported malfunctioning external rear-view mirror switches on three buses including overheating at the mirror switch base. BYD/RIDE identified the issue as related to Safe Fleet mirror switches and notified Safe Fleet. On 2/7/2024, BYD/RIDE shipped two of the customer's switches to Safe Fleet and requested it conduct a failure cause analysis.

2. From 2/6/2024 to 2/14/2024, four additional cases of external rear-view mirror switch malfunctions were reported to BYD/RIDE. No further malfunctions of the same or similar type have been reported since.
3. On 2/29/2024, Safe Fleet informed BYD/RIDE that the technical solution to prevent similar failures was to replace the 5A fuse in the switches with a 1A fuse.
4. On 3/1/2024, BYD/RIDE confirmed that its bus design was not the cause of the switch failures and informed Safe Fleet of its findings, providing the bus side mirror and switch diagrams to substantiate its conclusion.
5. On 4/3/2024, NHTSA informed BYD/RIDE that bus manufacturer Gillig LLC had filed recall 23V-812, indicating a safety defect in certain 2021-2023 Gillig Low Floor buses using the same mirror control switch module from Safe Fleet. BYD/RIDE then investigated whether it used the same switch module and conducted a warranty analysis, concluding that it did use the same module indicated in the Gillig recall but BYD had not observed instances of heavy smoke as reported by Gillig.
6. On 5/20/2024, BYD/RIDE decided to file a safety recall to address the potentially affected vehicle population. BYD/RIDE is not aware of any reports of the condition having led to a fire around the mirror control switch module area. While BYD/RIDE does not definitively know if the same underlying issue reported by Gillig applies to its vehicles, the company is taking this step in an abundance of caution.

Description of Remedy :

Description of Remedy Program :	All vehicle owners involved will be notified of the recall, and all affected vehicles will be corrected at no cost to the customer by replacing the current 5AMP fuse in the mirror control switch module with a 1AMP fuse. Any vehicle owners or purchasers that have incurred costs to obtain a remedy for the defect addressed by this recall are directed to submit claims for reimbursement to BYD/RIDE directly, along with all supporting documentation.
How Remedy Component Differs from Recalled Component :	The remedy component consists of a modified switch that incorporates a 1AMP protection fuse.
Identify How/When Recall Condition was Corrected in Production :	BYD\RIDE implemented factory containment on 5/2/2024, any vehicle delivery after this date is not affected by this issue.

Recall Schedule :

Description of Recall Schedule :	BYD/RIDE did not sell the vehicles listed through dealers.
Planned Dealer Notification Date :	NR - NR
Planned Owner Notification Date :	JUN 10, 2024 - JUL 25, 2024

* NR - Not Reported