

Part 573 Safety Recall Report

21E-081

Manufacturer Name : Deking Corporation Co. Ltd.

Submission Date : AUG 25, 2021

NHTSA Recall No. : 21E-081

Manufacturer Recall No. : NR



Manufacturer Information :

Population :

Manufacturer Name : Deking Corporation Co. Ltd.

Number of potentially involved : 409,000

Address : Hi-Tech Industrial Development Zone,
Zhao Qing Guang Dong, 00 526238

Estimated percentage with defect : NR

Company phone : 758-3649801

Equipment Information :

Brand / Trade 1 : Winntec and WIC

Model : Model 6020 LP changeover regulators

Part No. : 6020

Size : NR

Function : NR

Descriptive Information : Because of space limitations in this field of the Report, Deking has set forth its "Descriptive Information," including its analysis of the recent thermal events in RVs, in a separate document that is being uploaded through the Recall Portal separately. That document should be considered an integral portion of this Report.

Production Dates : JAN 01, 2017 - DEC 31, 2019

Description of Defect :

Description of the Defect : Deking has not identified a defect in the Model 6020 regulators that has caused thermal events in RVs. Several RV manufacturers have asserted that the Model 6020 regulators may fail, allowing excessive gas pressure that, in their view, can cause the appliance flame in the RV's refrigerators to increase. Deking does not agree. While it is true that, when tested, some of the Model 6020 regulators in RVs that have experienced a thermal event were found to allow more than the intended amount of pressure to be delivered to the refrigerator, testing conducted by Deking has demonstrated that the level of pressure found in the vast majority of the identified thermal event incidents does not yield a flame that is greater than the flame created by the intended pressure. Rather, it appears that most of the thermal events in the RVs that Deking has been allowed to inspect were due to inappropriate design features in those RVs. RV manufacturers install refrigerators in their vehicles in different locations and orientations, and the manner in which hot exhaust gases are released from the refrigerator also varies. Deking's investigations have demonstrated that these and other factors can lead to thermal events in RVs even when the propane pressure is at or below the intended value.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If RV and refrigerator designs and/or installations allow hot exhaust gases to come in contact with combustible components in the refrigerator chase, rather than venting the exhaust gases directly to the exterior of the RV, a thermal event may result.

Description of the Cause : Depending upon the RV and refrigerator design – specifically, the manner and location in which refrigerators are installed and exhaust gases are vented – hot exhaust gases may come into contact with combustible materials. If that occurs, there is a potential for a thermal event.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

May 26, 2021: Grand Design submitted a Part 573 defect information report identifying a safety defect in certain of its RVs equipped with Model 6020 regulators. See Recall 21V-393.

June 4, 2011: Several affiliated RV manufacturers submitted similar defect information reports in which they identified a safety defect in certain of their RVs equipped with Model 6020 regulators. See, e.g., Recall No. 21V-425.

June 8, 2021: Deking representatives met virtually with NHTSA officials to discuss issues related to the pending RV recalls.

June 23 and early July 2021: At Deking's request, the two companies that import the Model 6020 regulators for use as original equipment in RVs provided lists of their OEM customers to ODI.

July 2 and July 14, 2021: Deking submitted engineering reports to NHTSA that explained and supported the company's views regarding the causes of the RV thermal events.

July 30, 2021: Deking representatives met virtually with NHTSA officials to discuss the results of Deking's investigations and analyses of relevant issues and its inspections of several RVs that had experienced a thermal event.

July and August 2021: Deking representatives submitted additional information to ODI regarding the inspections of RVs that Deking had conducted.

August 4, 2021: A Deking representative and NHTSA staff discussed NHTSA's interpretation of 49 CFR 573.3(f) and the agency's request that the company provide a report under that section.

August 13, 2021: Although Deking has not identified a safety defect in the Model 6020 regulators, it informed NHTSA staff that it would submit a Part 573 report as requested.

Description of Remedy :

Description of Remedy Program : Deking believes that the remedy chosen by Grand Design and other the RV manufacturers will not prevent thermal events. Consistent with Deking's suggested approach, another RV manufacturer, Triple E Recreational Vehicles, has decided to remedy the potential for a thermal event in certain of its RVs by installing a metal deflector extension. See Recall No. 21V-400.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported