

Part 573 Safety Recall Report

22E-079

Manufacturer Name : Skinny Guy Campers LLC

Submission Date : SEP 21, 2022

NHTSA Recall No. : 22E-079

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Skinny Guy Campers LLC

Address : 19974 COUNTY ROAD 6

Bristol IN 46507

Company phone : 5363247

Population :

Number of potentially involved : 17

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Skinny Guy Camper

Model : Model 6.5

Part No. : F276181

Size : N/A

Function : N/A

Descriptive Information : Aftermarket replacement female quick-disconnect for use on recreational vehicles.

Production Dates : JUL 01, 2021 - APR 20, 2022

Description of Defect :

Description of the Defect : Certain propane female brass quick-disconnects produced by the vendor Deking may have a defect in the brass causing the female component to crack, which may result in a low pressure leak. The defect is due to porosity, contamination and carbon in the brass.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The threat of propane leaking from a crack that may develop in the female quick disconnect. A propane leak in the presence of an ignition source could cause a fire outside the vehicle; however, the low pressure in the hose makes the actual risk of fire from this issue very low.

Description of the Cause : Enerco has conducted testing and examination of the brass material and has found that some of the brass components may have porosity, contamination and carbon.

Identification of Any Warning that can Occur : The crack in the brass fitting is visible.

Involved Components :

Component Name : 1/4 Quick Connector Set with Shutoff Valve and Exc

Component Description : Quick Disconnect Fitting

Component Part Number : F276181

Supplier Identification :**Component Manufacturer**

Name : Deking Corporation Co., Ltd.

Address : Guang Dong Zhao Qing Hi-Tech
Industrial Development Zone P.R.C. Foreign States 526238

Country : China

Chronology :

On February 15, 2022, Enerco's affiliate Flex-Tech was contacted by an OEM RV Manufacturer to share information about several samples of cracked quick-disconnects. This quick-disconnect has been sold in the RV OEM market since approximately January 2018 and in the aftermarket since approximately 2016. Until this contact from the OEM RV Manufacturer, Enerco was aware of isolated claims of cracking, beginning in July 2021.

On February 18, 2022 Enerco immediately started investigating the manufacturing process on behalf of Flex-Tech and found variation in the process of inserting the brass male nipple in to the quick disconnect. Enerco: (1) Found that UL/CSA spec allows up to 18.5ft lbs insertion torque; (2) Determined to set torque insertion torque at 12ft lbs; (3) Trained quality control inspectors to inspect for potential cracks that could have developed in the assembly process; (4) Implemented new plan on 2/21/22.

On April 5, 2022, meeting at RV OEM on Wed April 5 who reported consumer warranty claims related to QD cracking in Q3 2021; Q4 2021; Q1 2022.

On April 6-8, 2022, Flex-Tech team went in to several RV OEM facilities and found cracked QD's in recent shipments (production dates 3/2 to 3/31).

On April 7-8, 2022, Enerco team spent 2 days at plant reviewing and investigating cracked quick-disconnects from the plants that were brought back.

On April 8, 2022, Enerco team cannot re-create a crack at any level of insertion torque up to 60 ft lbs. Enerco reduced insertion torque from 12 ft lbs to 8ft lbs. Flex-Tech and Enerco purged plant inventory and Flex-Tech re-started production at 8ft lbs insertion torque; to date Flex-Tech has not detected cracked quick-disconnects

within its facility, and all assemblies are 100% leak tested at 60psi. Enerco had an outside laboratory perform brass composition tests on recent cracked quick-disconnects as well as un-cracked samples going back to 2018 and found all met the brass material composition specification.

Description of Remedy :

Description of Remedy Program : Enerco will replace aftermarket quick-disconnects with the newly designed model when it becomes available. Enerco and Flex-Tech will cooperate with any recall decided to be conducted by any of its RV OEM customers. Moving forward Enerco and Flex-Tech will begin shipment of the newly designed model as soon as it becomes available. Enerco will file quarterly reports.

How Remedy Component Differs from Recalled Component : Over-torquing a quick disconnect that also has brass with contamination, carbon and porosity introduces the risk of cracking. The new quick disconnect model will feature a more robust design using thicker brass hex stock.

Identify How/When Recall Condition was Corrected in Production : The schedule for starting production of the new quick-disconnect model is still being developed.

Recall Schedule :

Description of Recall Schedule : Enerco notified us of the recall, and we took action immediately. We contacted our dealers/customers by email and telephone. When we shipped out the replacement parts we received from Flex-Tech (Enerco), we provided a simple Word document describing what was going on and how to remedy the situation.

Planned Dealer Notification Date : SEP 21, 2022 - SEP 21, 2022

Planned Owner Notification Date : SEP 21, 2022 - SEP 21, 2022

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