

Part 573 Safety Recall Report

20E-067

Manufacturer Name : Quadratec, Inc.

Submission Date : MAY 06, 2021

NHTSA Recall No. : 20E-067

Manufacturer Recall No. : 2020-1W



Manufacturer Information :

Manufacturer Name : Quadratec, Inc.

Address : 1028 Saunders Lane

West Chester PA 19380

Company phone : 610-701-0257

Population :

Number of potentially involved : 3,629

Estimated percentage with defect : 1 %

Equipment Information :

Brand / Trade 1 : Quadratec Q-Performance

Model : Stealth Series

Part No. : 92122.4010&11&20&21

Size : 10,000 & 12,000

Function : recovery winch

Descriptive Information : Quadratec is recalling an estimated 3624 units of its 10,000 and 12,000 lb. model "Q-Performance Series" self recovery winches equipped with either steel cable or synthetic lines. The recalled winches are identified by part number, size (10k or 12k), the "10 Stealth" or "12 Stealth" label on the winch motor as well as the Quadratec trademark set into raised aluminum ribs centered above the winch spool. Other Quadratec winch models or products are not involved in this voluntary recall.

Production Dates : SEP 26, 2018 - SEP 04, 2020

Description of Defect :

Description of the Defect : Expansion or movement of circuits or components within a potted/sealed CPU/switch unit operating in high temperature environments is suspected of bridging circuit insulators permitting power to flow to the winch motor.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Unintended winch operation creates a user safety risk and/or risk of damage to winch or vehicle before power to winch is cutoff by removing cable to battery. Unintended winch operation may further lead to accident during self recovery or on highway.

Description of the Cause : In certain recalled winches assembly or tolerances of CPU/switch unit

operating in high temperature environments is suspected of bridging circuit insulators permitting power to flow to the winch motor.

Identification of Any Warning that can Occur : Unintended winch operation may occur without warning. Once power is supplied to winch motor the motor and gearing produce an audible operating sound.

Involved Components :

Component Name : Winch CPU/switch unit

Component Description : Potted/sealed CPU/switch unit controlling operation of winch spool

Component Part Number : none

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

Pennsylvania

Country : United States

Chronology :

Quadrtec, Inc. is the exclusive North America distributor for the Quadrtec Q-Performance Stealth series winches and has sold an estimated 3629 winches since market introduction in September 2018. Given extreme, typically off road use, these winches are subjected to returns and requests for warranty consideration are expected (generally less than 5%). Although returns for this model winch were low overall, Quadrtec's analysis of returns through year end 2019 indicated several similar sounding incidents of winch starting operation without direct command from remote controller (linked either by wire or via 2.4gh wireless connection). Through internal investigation Quadrtec suspected as of 8/12/2020 operations where high temperatures were expected (ex. Texas) might be causing expansion or movement of circuits/components within the sealed CPU unit to allow 12 volt power to flow to the winch motor, resulting in uncommanded operation. Analysis of August 2020 returns and review of earlier returns indicated additional units where this defect was suspected. Further analysis of root cause(s) is impractical due to CPU circuitry being potted/sealed. Quadrtec has decided to recall the affected winches pending development of improved heat resistant CPU expected within 90-120 days.

Description of Remedy :

Description of Remedy Program :	Quadratec will replace CPU and any associated components on affected 10k & 12K Q-Performance Stealth winches without charge to customers as improved design CPU modules become from manufacturer. Improved CPUs are expected to be available to Quadratec within the next 90-120 days. Because Quadratec is a direct seller and warrantor it is unlikely that customers have repaired their winches for this defect before they will receive notification of this recall. However, if a customer has previously repaired their winch, Quadratec will reimburse for the cost of the repair CPU component, any associated components and reasonable labor for third party repair persons not to exceed .7 hours at locally prevailing rates.
How Remedy Component Differs from Recalled Component :	Quadratec proposes to mark or label the improved/remedy CPU with the manufacture date and possibly the campaign number.
Identify How/When Recall Condition was Corrected in Production :	As of 9/4/20, Quadratec has ordered a halt to production of the Quadratec brand winches covered by this campaign, pending development and testing of a more heat resistant CPU.

Recall Schedule :

Description of Recall Schedule :	Quadratec is an exclusive, direct distributor to end customers for these winches with last known addresses for most customers. Quadratec anticipates timely notification consistent with Part 577 upon NHTSA approval of this campaign.
Planned Dealer Notification Date :	NR - NR
Planned Owner Notification Date :	NOV 11, 2020 - MAR 22, 2021

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 :	Quadratec, Inc.
Address :	1028 Saunders Lane West Chester PA 19380 PA 19380
Country :	US
Company Phone :	2532290708

* NR - Not Reported