

Part 573 Safety Recall Report

20T-005

Manufacturer Name : Sentury Tire Thailand**Submission Date :** MAR 03, 2020**NHTSA Recall No. :** 20T-005**Manufacturer Recall No. :** 2750**Manufacturer Information :**

Manufacturer Name : Sentury Tire Thailand

Address : 3850 nw 108th street

Hialeah FL 33018

Company phone : 6215101

Population :

Number of potentially involved : 6,188

Estimated percentage with defect : 5 %

Tire Information :

Tire Brand 1 : Delinte

Tire Line : DX11

Tire Size : LT27565R20

Descriptive Information : The affected population are certain light truck tires produced from September 7, 2017 through May 27, 2019. These products differ from others in that they have a unique DOT code. The affected number of products related to this specific TIN is 1693 units.

Production Dates : SEP 07, 2017 - MAY 27, 2019

TIN (Tire Identification Number)

Plant ID	Size code	Optional Code	Begin M Code	End M Code
TB	F1	F75C	3617	2219

Tire Brand 2 : Lionhart

Tire Line : Lionclaw HT

Tire Size : LT27565R20

Descriptive Information : The affected population are certain light truck tires produced from November 14, 2017 to June 22, 2018. These products differ from others in that they have a unique DOT code. The affected number of products related to this specific TIN is 935 units.

Production Dates : NOV 14, 2017 - JUN 22, 2018

TIN (Tire Identification Number)

Plant ID	Size code	Optional Code	Begin M Code	End M Code
TB	F1	F95C	4617	2518

Tire Brand 3 : Lexani

Tire Line : LXHT206

Tire Size : LT27565R20

Descriptive Information : The affected population are certain light truck tires produced from November 16, 2017 to December 16, 2018. These products differ from others in that they have a unique DOT code. The affected number of products related to this specific TIN is 1144 units.

Production Dates : NOV 16, 2017 - DEC 16, 2018

TIN (Tire Identification Number)

Plant ID	Size code	Optional Code	Begin M Code	End M Code
TB	F1	F95C	4617	5018

Tire Brand 4 : Patriot

Tire Line : Patriot HT

Tire Size : LT27565R20

Descriptive Information : The affected population are certain light truck tires produced from June 23, 2018 to June 26, 2018. These products differ from others in that they have a unique DOT code. The affected number of products related to this specific TIN is 120 units.

Production Dates : JUN 23, 2018 - JUN 26, 2018

TIN (Tire Identification Number)

Plant ID	Size code	Optional Code	Begin M Code	End M Code
TB	F1	F95C	2518	2618

Tire Brand 5 : Landsail

Tire Line : CLX11

Tire Size : LT27565R20

Descriptive Information : The affected population are certain light truck tires produced from July 17, 2017 to April 16, 2018. These products differ from others in that they have a unique DOT code. The affected number of products related to this specific TIN is 222 units.

Production Dates : JUL 17, 2017 - APR 16, 2018

TIN (Tire Identification Number)

Plant ID	Size code	Optional Code	Begin M Code	End M Code
TB	F1	F75C	2917	1618

Tire Brand 6 : Wild Spirit

Tire Line : Wild Spirit HST

Tire Size : LT27565R20

Descriptive Information : The affected population are certain light truck tires produced from November 13, 2017 to June 30, 2018. These products differ from others in that they have a unique DOT code. The affected number of products related to this specific TIN is

1959 units.

Production Dates : NOV 13, 2017 - JUN 30, 2018

TIN (Tire Identification Number)

Plant ID	Size code	Optional Code	Begin M Code	End M Code
TB	F1	FL5C	4617	2618

Tire Brand 7 : Pantera
 Tire Line : Supertrac HT
 Tire Size : LT27565R20

Descriptive Information : The affected population are certain light truck tires produced from November 23, 2017 to June 16, 2018. These products differ from others in that they have a unique DOT code. The affected number of products related to this specific TIN is 115 units.

Production Dates : NOV 23, 2017 - JUN 16, 2018

TIN (Tire Identification Number)

Plant ID	Size code	Optional Code	Begin M Code	End M Code
TB	F1	F95C	4717	2418

Description of Defect :

Description of the Defect : It is believed that due to the structural design of the subject tires, when manufactured using a two stage process, the tires may exhibit a reduced margin of performance durability. Tires that have a reduced margin of durability are more likely to develop sidewall separation and thus may not meet certain performance requirements under section 6.3.2 of the Federal Motor Vehicle Safety Standard FMVSS 139.

FMVSS 1 : 139 - New pneumatic radial tires for light vehicles

FMVSS 2 : NR

Description of the Safety Risk : This condition may contribute to separation of the tire sidewall and thereby increase the risk of a crash.

Description of the Cause : Although the exact cause has not yet been identified, it is believed that the subject tires' design when manufactured using a two stage manufacturing process may exhibit a reduced margin of performance durability.

Identification of Any Warning that can Occur : Not Applicable

Supplier Identification :

Component Manufacturer

Name : Sentury Tire Thailand
Address : 888 1Moo2 T. Samnakthong
A. Muang Rayong, Rayong 21100 FOREIGN STATES 21100
Country : Thailand

Chronology :

January 26, 2020 to February 19, 2020: Internal investigation conducted to confirm existence of potential endurance difference, extent of issue and identification of cause. In connection with a change from a one stage to a two stage manufacturing process on June 25, 2017, some changes to the structural design of the subject tires were adopted. Additional modifications in the design and material were identified as having been made and incorporated into production on October 10, 2019 to reduce noise resulting from tire heterogeneity and to improve tire cross section and productivity. Internal analysis and comparative review of testing conducted on LT27565R20 size tires before and after the change from a one stage to a two stage manufacturing process method applicable to all brand tires, including the Pantera Supertrac HT, revealed compliance with FMVSS 139. However, test results also showed, LT27565R20 size tires manufactured between June 25, 2017 through October 9, 2019 exhibit a lower durability margin than tires manufactured before and after this time period. It is believed that one or more of the design material changes made and incorporated into production on October 10, 2019 were a contributing factor to the increase in the tires' durability margin.

Description of Remedy :

Description of Remedy Program : Sentury will contact registered customers that purchased tires of the specified date range by first class mail. For those customers who did not register their tires, Sentury will work with independent dealers or distributors to obtain owner information, where available. Customer correspondence will explain the issue, and include instructions on how to obtain replacement tires, as well as instructions for collecting reimbursement for remedies made prior to the recall. Customers who have had their tires replaced before this recall may be eligible to receive reimbursement for the cost of obtaining a pre notification remedy of the problem associated with this recall. Dealers performing the replacement of recalled tires will be notified of their responsibilities in accordance with 49 CFR part 573.6 c 9. Dealers will be instructed to return recalled tires directly to Sentury Tires USA.

How Remedy Component Differs from Recalled Component : The subject tires manufactured after October 9, 2019 have improved tire durability margin.

Identify How/When Recall Condition was Corrected in Production : The following changes were made and incorporated into production on October 10, 2019. The circumference of the belt drum was changed from 2543mm to 2514mm. The 2 belt edge gum was removed. The cap strip materials were changed from 840D2 to 1260D2. The carcass gum was removed.

Recall Schedule :

Description of Recall Schedule : Tire owner notification letters will be mailed as soon as NHTSA approval is received but in no case later than 60 days from February 27, 2020.

Planned Dealer Notification Date : MAR 16, 2020 - MAR 20, 2020

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