

# Part 573 Safety Recall Report

# 21V-251

**Manufacturer Name :** Yamaha Motor Corporation, USA**Submission Date :** APR 09, 2021**NHTSA Recall No. :** 21V-251**Manufacturer Recall No. :** 990145**Manufacturer Information :**

Manufacturer Name : Yamaha Motor Corporation, USA

Address : 6555 Katella Avenue

Cypress CA 90630-5101

Company phone : 800-962-7926

**Population :**

Number of potentially involved : 4,262

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2015-2020 Yamaha XC155

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

**Descriptive Information :** Yamaha Motor Corporation, U.S.A. has decided that a defect which relates to motor vehicle safety exists in certain 2015-2020 model XC155, approximately 4200 units. In affected units, there is a possibility that the primary sheave nut could loosen. This is most often evident by an abnormal engine noise caused when the Primary Sheave makes contact the case cover while riding. If the vehicle is continued to be operated in this condition, the primary sheave nut may fall off. This was determined pursuant to quality control review, testing and a review of domestic and foreign models that are substantially similar parts design

Production Dates : MAY 14, 2014 - MAY 13, 2020

VIN Range 1 : Begin : RKRS30Y5FA000101 End : RKRS30Y0FA003052  Not sequentialVIN Range 2 : Begin : RKRS36Y5GA001001 End : RKRS36Y9LA003201  Not sequential**Description of Defect :**

**Description of the Defect :** In affected scooters, there is a possibility that the primary sheave nut could loosen. If this happens, the loosened primary sheave can contact the case cover when the vehicle is in operation, most often causing an abnormal engine noise. If the vehicle continues to be ridden in this condition, the primary sheave nut may fall off.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** A loosened primary sheave nut can contact the case cover when the vehicle is in operation, most often causing an abnormal engine noise. If the vehicle continues to be ridden in this condition, the primary sheave nut may fall off.

**Description of the Cause :** Then it is possible that the engine will stall and cannot be restarted, increasing the risk of loss of control and a crash with injury or death.

**Identification of Any Warning that can Occur :** The primary sheave nut may loosen. This is most often evident by an abnormal engine noise caused when the Primary Sheave makes contact the case cover while riding. If the vehicle is continued to be operated in this condition, the primary sheave nut may fall off

Most often failure is preceded by an abnormal engine noise. If the vehicle continues to be ridden in this condition, the primary sheave nut may fall off. Then it is possible that the engine will stall and cannot be restarted

## Involved Components :

**Component Name 1 :** Primary sheave nut

**Component Description :** Retaining nut

**Component Part Number :** 90179-12019-00

**Component Name 2 :** Primary sheave washer

**Component Description :** Washer

**Component Part Number :** 90201-12837-00

## Supplier Identification :

### Component Manufacturer

**Name :** NR

**Address :** NR

NR

**Country :** NR

## Chronology :

Yamaha Motor Corporation USA was informed of the potential for this issue by the manufacturer, Yamaha Motor Company LTD, that such a condition existed on April 2, 2021. This was determined pursuant to quality control review, sample vehicle inspection and testing.

## Description of Remedy :

**Description of Remedy Program :** Affected units will have the primary retaining nut and washer replaced with parts of a new design with and increased torque. All register owners of affected product will receive a notification letter informing them of this issue and the free repair campaign available at Yamaha Motorcycle dealers in the USA. All unsold units will be modified by Yamaha motorcycle dealers in the USA prior to retail sale. Yamaha dealers will be reimbursed for parts and labor for this repair campaign.

**How Remedy Component Differs from Recalled Component :** The new primary sheave retaining nut and washer are now silver in color , old style was black. The new washer dimensions have change ID 12mm, OD 27mm and thickness is 2.3mm, previous dimensions were ID 12.5mm, OD 28mm and 3mm thickness. Additionally the torque on the primary sheave nut has been increased to 53 Nm.

**Identify How/When Recall Condition was Corrected in Production :** Beginning with March 2021 production, the new design counter measure primary sheave retaining nut and washer have been used in production vehicles. these new design parts and the increase applied torque have resolved this potential issue.

## Recall Schedule :

**Description of Recall Schedule :** We anticipate commencing the dealer/owner notification shortly after the owner's notification letter is approved by NHTSA, the affected VIN range ascertained, and the Technical Bulletin's service procedures are confirmed and finalized by Yamaha's service staff. Assuming the Agency can approve the customer notification letter within 10 working days of receipt (perhaps April 23rd) we will have the customer notification letter and Technical Bulletin printed. Normal turn-around time is 3 working days for such a printing. Hence the materials will be ready for mailing on approximately April 28th. Final copies of these notification documents will be forwarded to the Agency via the portal, as soon as possible.

**Planned Dealer Notification Date :** APR 28, 2021 - APR 30, 2021

**Planned Owner Notification Date :** APR 28, 2021 - APR 30, 2021

\* NR - Not Reported