

Part 573 Safety Recall Report

20V-813

Manufacturer Name : Yamaha Motor Corporation, USA**Submission Date :** JAN 05, 2021**NHTSA Recall No. :** 20V-813**Manufacturer Recall No. :** 990141**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 : 2,285

Estimated percentage with defect : 50 %

Vehicle Information :

Vehicle 1 : 2016-2020 Yamaha FJR13

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : In affected motorcycles, the side of second gear may not be strong enough to handle high speed loads. As a result, cracks may occur due to constant stress applied during repeated gear shift operation and, eventually, the gear could break. If this happens, the transmission and, in turn, the rear wheel, could lock, increasing the risk of loss of control

Production Dates : DEC 09, 2015 - FEB 02, 2020VIN Range 1 : Begin : JYARP29E6GA000002 End : JYARP29EXKA000822 Not sequentialVIN Range 2 : Begin : JYARP29Y3GA000002 End : JYARP29Y8KA000151 Not sequentialVIN Range 3 : Begin : JYARP30E0GA000001 End : JYARP30E7LA001009 Not sequentialVIN Range 4 : Begin : JYARP30Y7GA000006 End : JYARP30Y8LA000221 Not sequentialVIN Range 5 : Begin : JYARP31Y4JA000003 End : JYARP31Y3LA000092 Not sequential**Description of Defect :**

Description of the Defect : In affected motorcycles, the side of second gear may not be strong enough to handle high speed loads. As a result, cracks may occur due to constant stress applied during repeated gear shift operation and, eventually, the gear could break. If this happens, the transmission and, in turn, the rear wheel, could lock, increasing the risk of loss of control and a crash

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The side of second gear may not be strong enough to handle high speed loads. As a result, cracks may occur due to constant stress applied during repeated gear shift operation and, eventually, the gear could break. If this happens, the

Description of the Cause : transmission and, in turn, the rear wheel, could lock
second pinion gear may not be strong enough to handle high speed loads. As a result, cracks may occur due to constant stress applied during repeated gear shift operation

Identification of Any Warning that can Occur : difficulty shifting, finding neutral and false neutrals may occur prior to gear breakage. Customers are urged not to operate the affected motorcycle until inspection and or modification is performed

Involved Components :

Component Name 1 : NR
Component Description : NR
Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

In late November, Yamaha Motor Corporation USA was informed by the manufacturer, Yamaha Motor Co., LTD that such a condition exists. This was determined pursuant to quality control review, testing and a review of foreign models that use substantially similar part design

Description of Remedy :

Description of Remedy Program : Affected units must have the main axle and drive axle assemblies replaced with the stronger parts and the Engine Control Unit (ECU) reprogrammed to prevent excessive rpm leading to second gear damage

How Remedy Component Differs from Recalled Component : Second pinion gear is now forged and 2nd pinion on the main axel and 1st and 5th wheel gear on the drive axle have a small identification groove machined on them to aid identification

Identify How/When Recall Condition was Corrected in Production : With the start of November 2020 production, the new style forged 2nd pinion gear on the main transmission axel and 1st and 5th wheel gear on the drive transmission axel are used for engine/transmission assembly

Recall Schedule :

Description of Recall Schedule : We anticipate commencing dealer/consumer notification shortly after the owner's notification letter is approved by NHTSA, the affected VIN range is ascertained, and the Technical Bulletin's service procedures are confirmed and finalized by Yamaha staff. assuming the Agency can review and approve the customer notification letter within 5 days of receipt (perhaps January 8th we will have the letter and technical bulletin printed. Normal turnaround time is 3 working days for such a printing. Hence the materials will be ready for mailing approximately January 13th. Final copies of these notification documents will be forwarded to the Agency as soon as possible.

Planned Dealer Notification Date : JAN 13, 2021 - JAN 15, 2021

Planned Owner Notification Date : JAN 13, 2021 - JAN 15, 2021

* NR - Not Reported