

**Part 573 Safety Recall Report****15V-802****Manufacturer Name :** Yamaha Motor Corporation, USA**Submission Date :** NOV 23,2015**NHTSA Recall No. :** 15V-802**Manufacturer Recall No. :** 99100**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 : 2,921

Estimated percentage with defect : 100

**Vehicle Information :**

Vehicle : 2015-2015 Yamaha YZFR1/YZFR1C/YZFR1MF/YZFR1MFC

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : In affected motorcycles, both second gear wheel and pinion gears in the transmission may break as a result of extremely high stress and/or improper shifting. This is due to inadequate component strength and stress concentration at the gear teeth bottom land. In addition, the third and fourth wheel gears may be deformed or break as a result of excessive stress caused by hard usage.

Production Dates : AUG 01, 2014 - JUN 01, 2015

**VIN (Vehicle Identification Number) Range**

Begin : JYARN39E8FA001081	End : JYARN39E3FA001814	<input checked="" type="checkbox"/> Not sequential VINs
Begin : JYARN39Y3FA000009	End : JYARN39Y0FA000789	<input checked="" type="checkbox"/> Not sequential VINs
Begin : JYARN40E8FA000242	End : JYARN40E5FA000294	<input checked="" type="checkbox"/> Not sequential VINs
Begin : JYARN40Y9FA000003	End : JYARN40Y2FA000134	<input checked="" type="checkbox"/> Not sequential VINs

**Description of Defect :**

Description of the Defect : second gear wheel and pinion gears in the transmission may break as a result of extremely high stress and/or improper shifting. This is due to inadequate component strength and stress concentration at the gear teeth bottom land. In addition, the third and fourth wheel gears may be deformed or break as a result of excessive stress caused by hard usage. This is due to inadequate component strength.

FMVSS 1 :NR

FMVSS 2 :NR

Description of the Safety Risk : f gears fail, the transmission could lock up, causing loss of control that could result in a crash with injury or death.

Description of the Cause : Gear failure is due to inadequate component strength and stress concentration at the gear teeth bottom land. In addition, the third and fourth wheel gears may fail under high stress due to inadequate component strength.

Identification of Any Warning that can Occur : Increasing miss-shifts, difficulty shifting and possible abnormal noise from transmission

**Supplier Identification :****Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

**Chronology :**

On November 13, 2015, Yamaha Motor Corporation, U.S.A. was informed by the manufacturer, Yamaha Motor Company, Ltd., that such a situation exists. This was determined pursuant to a quality control review, testing and a review of models that use a substantially similarly part design.

**Description of Remedy :**

Description of Remedy Program : The shape, size and material used in gear construction have been changed to increase durability. To correct this defect, Yamaha is initiating a Factory Modification Campaign. Affected units must have the transmission assembly replaced with one with improved durability.

How Remedy Component Differs from Recalled Component : New design gears can not be identified external from the engine, however the shapes of the windows and size/shape of the tooth shape are different.

Identify How/When Recall Condition was Corrected in Production : Countermeasure parts were incorporated into production vehicles starting with 2016 model production production vehicles.

**Recall Schedule :**

Description of Recall Schedule : On November 13, 2015, Yamaha Motor Corporation, U.S.A. was informed by the manufacturer, Yamaha Motor Company, Ltd., that such a situation exists. We anticipate commencing dealer/owner notification shortly after the owner's notification letter is approved by NHTSA (draft copies of the Customer Notification Letter and Technical Bulletin is attached for your review), the affected VIN range is ascertained and the Technical Bulletin service procedure is confirmed and finalized by Yamaha service staff. Assuming the Agency can approve the letter within 7 working days of receipt (perhaps December 3rd) we will have the letter and Technical Bulletin printed. Normal turn-around time is 3 working days for such printing. Hence the materials will be ready for mailing approximately December 11th. Final copies of these notification documents will be forwarded to the Agency as soon as possible.

Planned Dealer Notification Date : DEC 11, 2015 - DEC 14, 2015

Planned Owner Notification Date : DEC 11, 2015 - DEC 14, 2015

\* NR - Not Reported