

Part 573 Safety Recall Report**14V-644****Manufacturer Name :** Yamaha Motor Corporation, USA**Submission Date :** OCT 13,2014**NHTSA Recall No. :** 14V-644**Manufacturer Recall No. :** 990088**Manufacturer Information :**

Manufacturer Name : Yamaha Motor Corporation, USA

Address : 6555 KATELLA AVENUE
CYPRESS CA 90630-5101

Company phone : 714-761-7300

Population :

Number of potentially involved : 28

Estimated percentage with defect : 100

Vehicle Information :

Vehicle : 2014-2014 Yamaha YZFR6

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

The 2014 Yamaha YZFR6 is a 600cc liquid cold motorcycle sold by Yamaha dealers nationwide with an MSRP of between 10,990.00 and 11,190.00 it is available in Blue and White, Red and White and matte Gray.

Production Dates : AUG 01, 2014 - SEP 01, 2014

VIN (Vehicle Identification Number) Range

Begin : JYARJ16E1EA032448

End : JYARJ16E9EA032469

 Not sequential VINs

Begin : JYARJ16Y0EA008765

End : JYARJ16YXEA008773

 Not sequential VINs

Description of Defect :

Description of the Defect : Yamaha Motor Corporation, U.S.A. has decided that a defect which relates to motor vehicle safety exists in certain 2014 YZFR6E and YZFR6EC ("YZF-R6") model motorcycles. In affected motorcycles, the metal in the front and rear wheels does not meet required hardness specifications due to a manufacturing error. Therefore, the wheel bearing could move from its original position, allowing the wheel to loosen, and also wheel deformation could allow air to leak past the tire

Description of the Safety Risk : In affected motorcycles, the metal in the front and rear wheels does not meet required hardness specifications due to a manufacturing error. Therefore, the wheel bearing could move from its original position, allowing the wheel to loosen, and also wheel deformation could allow air to leak past the tire. These conditions could result in the possibility of a crash with injury or death.

Description of the Cause : During the production process of the aluminum wheels at the supplier, the cooling process was insufficient for some of the lot. Originally, the water cooling process involved dipping the wheel in a water bath, however, some of the wheel was not submerged deeply enough due to lack of water in the bath. Consequently, the hardness of wheel did not meet specification due to insufficient water cooling process.

Identification of Any Warning that can Occur : Unexplained loss of air from tires may indicate cracks in the wheel / hub assemblies

Supplier Identification :**Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

Chronology :

On October 06, 2014, 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 foreign models that use a substantially similarly part design.

Description of Remedy :

Description of Remedy Program : 6. The campaign involves the replacement of the front and rear wheel assemblies. In affected motorcycles, the metal in the front and rear wheels does not meet required hardness specifications due to a manufacturing error. Therefore, the wheel bearing could move from its original position, allowing the wheel to loosen, and also wheel deformation could allow air to leak past the tire. Yamaha has corrected the issue with the vendor and the heat treatment process has had additional QA inspection processes to confirm proper water bath levels.

How Remedy Component Differs from Recalled Component : Countermeasure parts have been subjected to the correct heat treatment process and are of the specified hardness.

Identify How/When Recall Condition was Corrected in Production : During the production process of the aluminum wheels at the supplier, the cooling process was insufficient for some of the lot.

Originally, the water cooling process involved dipping the wheel in a water bath, however, some of the wheel was not submerged deeply enough due to lack of water in the bath. Consequently, the hardness of wheel did not meet specification due to insufficient water cooling process.

Recall Schedule :

Description of Recall Schedule : 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 5 days of receipt (perhaps October 17th) 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 October 21st.

Planned Dealer Notification Date : OCT 21, 2014 - OCT 22, 2014

Planned Owner Notification Date : OCT 21, 2014 - OCT 22, 2014

* NR - Not Reported