

y 9-30-15

Technical BULLETIN

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SAFETY RECALL

This modification has top priority. This bulletin must be performed immediately to ensure customer safety.

NOTE: Bulletins that announce a recall will have an "R" at the end of the bulletin number.

Effective 8/27/2015, this Technical Bulletin replaces M2015-003R; please remove and destroy any electronic files or paper copies of M2015-003R. An → denotes a change.

CERTAIN 2015 – MODEL YZFR1MF/FC ("YZF-R1M") FACTORY MODIFICATION CAMPAIGN – Loose Rear Shock Absorber Piston Rod Nut

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INTRODUCTION

Yamaha Motor Corporation, U.S.A. has decided that a defect which relates to motor vehicle safety exists in certain 2015-model YZFR1MF/FC ("YZF-R1M") motorcycles. In affected motorcycles, the rear shock absorber may not have been manufactured correctly; the piston rod nut may have been tightened before the piston had the correct full metal-to-metal contact. If so, it is possible for the nut to loosen, preventing proper rear suspension action, causing poor handling that could result in a crash with injury or death.

To correct this defect, Yamaha is initiating a Factory Modification Campaign. Affected units must have the rear shock absorber inspected to see if its stamped manufacturing lot number identifies it as being in the defective range and, if it is, the shock absorber must be replaced with a new one that was manufactured correctly.

Yamaha is notifying all registered owners of affected motorcycles by mail. A copy of this letter is included in this bulletin. The customer should take this letter along with the affected motorcycle to an authorized Yamaha dealer for modification.

A computer report listing all affected motorcycles invoiced to your dealership is included with this bulletin. Use the list to help ensure all motorcycles are inspected and, if necessary, modified. All sold motorcycles that have been registered with Yamaha will show the customer's name and address.

Your dealership must notify the owner of any affected motorcycle that was actually sold but listed as "unsold" in the report. You must inspect and, if necessary, modify all affected motorcycles in your inventory as well as all customer-owned motorcycles brought to you for this service. Any affected motorcycle that you purchase from Yamaha in the future may also require inspection/modification. If you purchase a motorcycle from another dealer or Yamaha, check to see if the procedures in this bulletin have already been performed before you sell the motorcycle.

Motorcycles that are affected should not be operated until they are inspected and, if necessary, modified. It is a violation of Yamaha policy for your dealership to deliver any affected motorcycle to customers until the procedures in this bulletin are performed.

When the inspection/modification on each motorcycle is performed, follow the *Warranty Information* section of this bulletin to receive reimbursement. Be sure to use the Factory Modification Campaign procedures in Chapter 7 of the **Warranty and Y.E.S. Handbook** (LIT-11760-00-08).





DEALER ACTION SUMMARY

Unsold

Units: Check to be sure the unit is in the affected range and then check YDS Unit Status to be sure the inspection/modification has not already been done. If the unit is affected, and the campaign code does not show as completed in Unit Status, then inspect the lot number on the rear shock absorber. If the shock absorber is in the Defective Lot Number List shown on page 3, replace it.

Sold

Units: Check to be sure the unit is in the affected range and then check YDS to be sure the modification has not already been performed (see Identification Procedure in this bulletin for more information). Then inspect the lot number on the rear shock absorber. If the shock absorber is in the Defective Lot Number list shown on page 3, replace it.

Parts: Yes, only if inspection determines that the shock absorber is in the Defective Lot Number List shown on page 3. If so, order a Replacement Shock Absorber kit for the affected unit. Refer to the *Parts Information* section below. Return the original shock to Yamaha in the same packaging.

Warranty: Factory Modification Campaign. See the Warranty Information section of this bulletin. This modification applies to all affected units regardless of ownership or warranty status.

Notify

Customers: Yes, you must immediately contact any customer whose motorcycle shows as unregistered on the enclosed report. Yamaha has sent letters to customers whose motorcycles were registered with Yamaha as of 4/28/2015.



AFFECTED RANGE

YZFRMF
RN40E-0000002~0000262

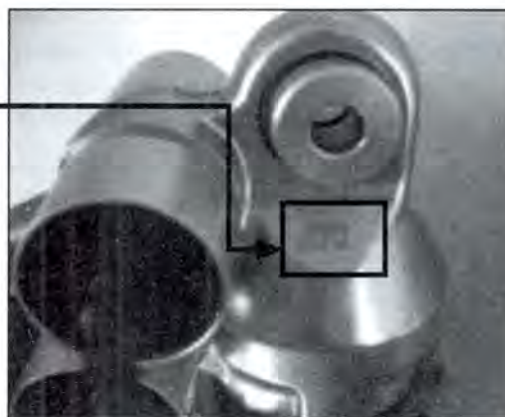
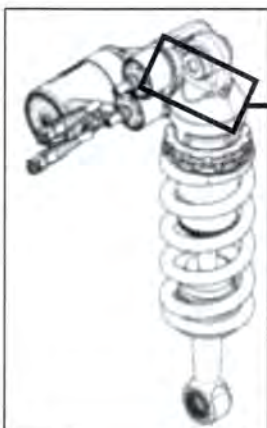
YZFR1MFC
RN40Y-0000003~0000102



SERVICE PROCEDURES

Inspection

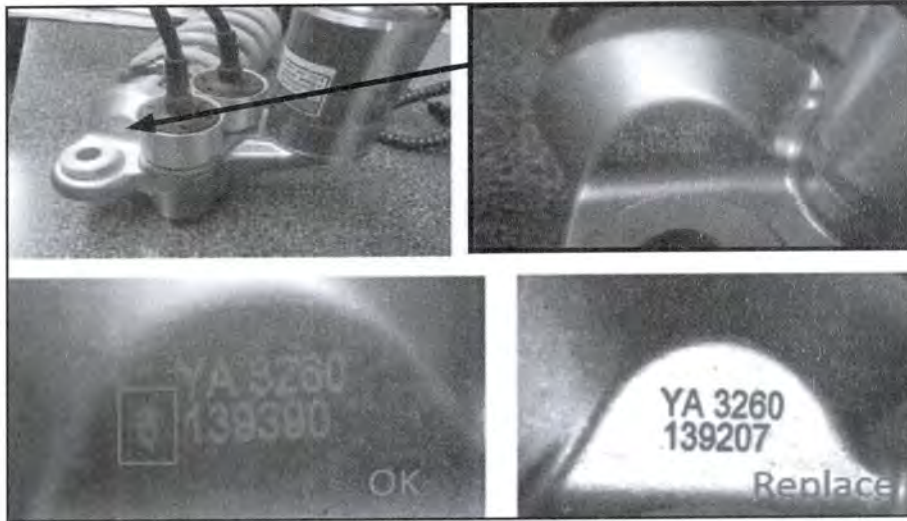
The lot number is stamped on the top of the rear shock absorber as shown in following picture.



Check the lot number to see if it is in the following list:

Defective Lot Number List					
138285	138286	138510	138514	138930	139013
139014	139016	139017	139021	139166	139204
139205	139207	139390	309635		

- ➔ Do not replace the shock absorber if the number 6 is present in the position shown in the image below regardless of the lot number of the stock. The number 6 is actually part of the lot number. Read correctly, this example shock is from lot number 6139390, not 139390.



The lot number may be a little hard to read because the exact stamping position could vary from shock to shock. Therefore, there are ways to try to read the number. Try Method 1 below first. If you cannot read the number, then use Method 2.

Method 1

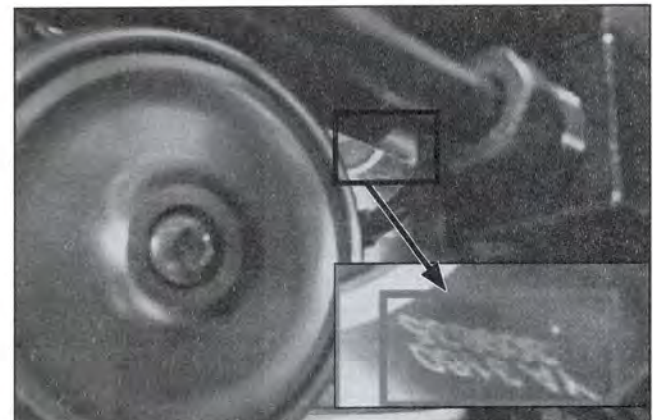
1. Use a flashlight to light the lot number location from underneath the rear brake reservoir as shown to the right.



- ➔ 2. A 6-digit lot number can be seen upside down as shown. Read number in second line (the number will be upside down). The number in the example is 309635, indicating a shock absorber in the defective lot number range.

➔ TIP:

Some lot numbers are 7 digits long, starting with a number "6." These lot numbers are not affected (see paragraph under chart above).



Method 2

If Method 1 is not successful, use the Shock Absorber Replacement instructions below to unbolt the front of the tank and tilt it back so the number can be seen more clearly.

If the shock absorber is **not** in the Defective Lot Number List (including a shock with a 7-digit lot number beginning with "6"), modification is not needed. Submit a Recall Warranty Claim for *Inspection Only*.

If the shock absorber **is** in the Defective Lot Number List, proceed to Shock Absorber Replacement.

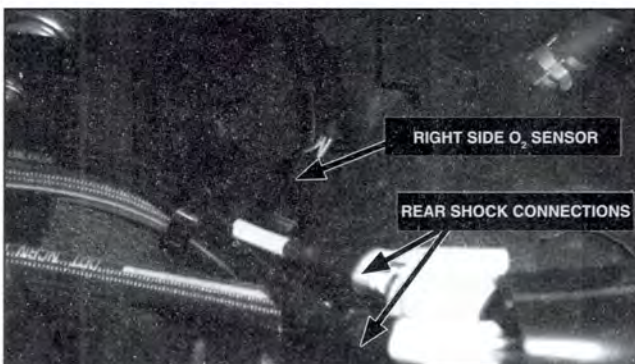
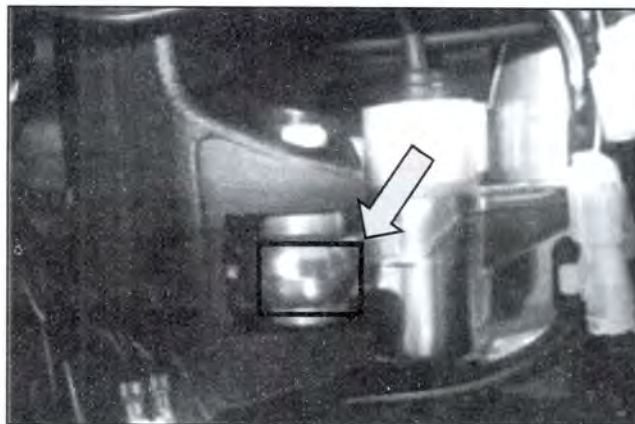
Shock Absorber Replacement

NOTICE:

Unpack the new shock absorber assembly carefully as you will be using the same packaging to return the defective shock to Yamaha.

Perform the following procedure to replace the defective rear shock absorber.

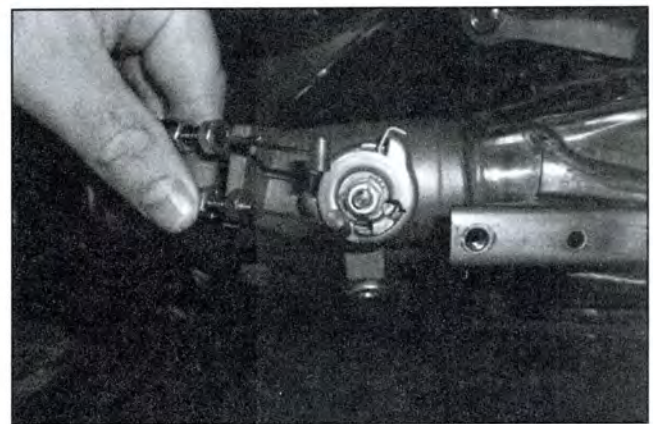
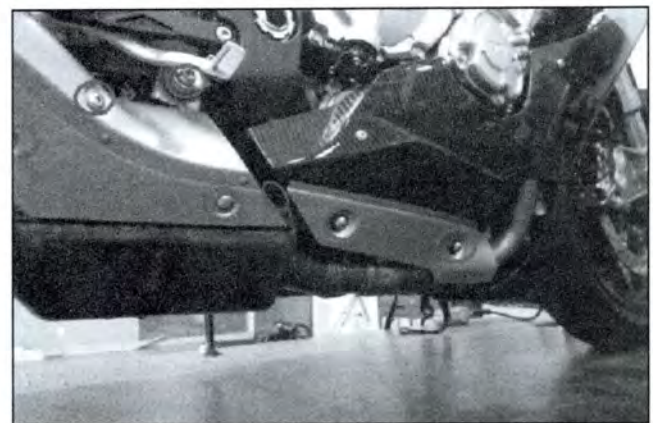
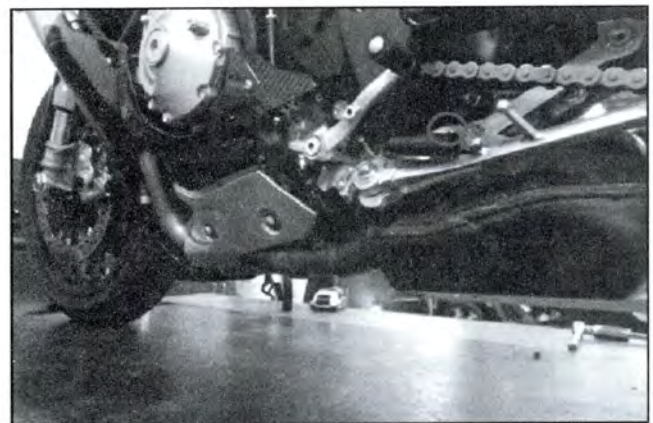
1. Remove the rider's seat and fuel tank side covers. Next, unbolt the fuel tank by removing the 2 bolts on either side and single bolt in the front of the tank. Tilt the fuel tank to the rear and securely prop it in place.
2. Locate and disconnect the right side O₂ sensor and both rear shock absorber electrical connections (see below the rear portion of the fuel tank).



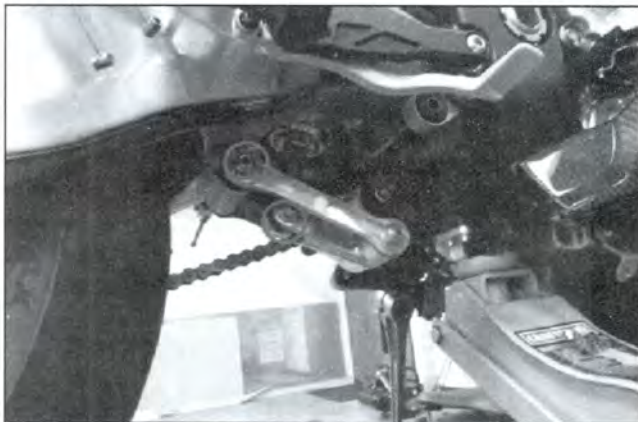
3. On the left side of the motorcycle, locate the coupler for the left side O₂ sensor and disconnect it. Remove the wiring so it will not snag when the exhaust is removed.



4. Remove the exhaust heat shields from each side and disconnect the EXUP cables from the exhaust system. Remove the exhaust pipe and muffler assembly from the unit. Be careful to not damage the O₂ sensor wiring disconnected in step 2.



5. Secure the front of the unit using a wheel chock/motorcycle lift and tie down the front of the unit. Raise the rear end of the motorcycle using an appropriate jack from the frame (a rear stand or any other jacking device that raises the unit from the swingarm will not work). Remove the bolt that connects the rear suspension linkage to the swingarm and rotate the linkage out of the way. Once the linkage has been moved, unbolt the bottom side of the rear shock absorber.



6. Remove the upper shock bolt.

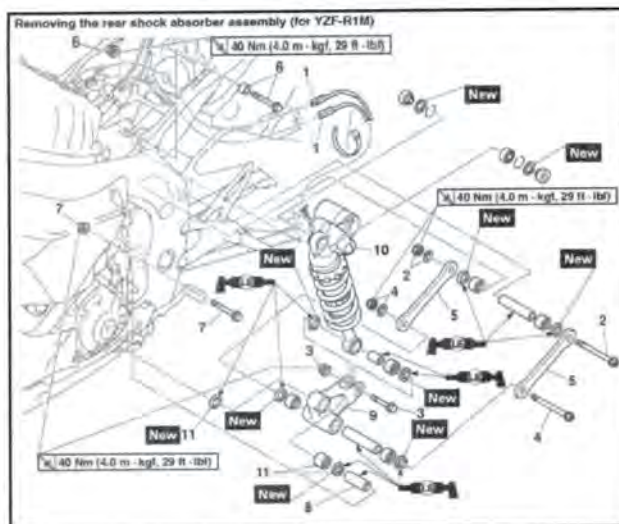


7. Support the shock absorber to prevent it from falling and/or scratching the swingarm. Using the jack, allow the rear tire to rest on the lift and raise the unit from the frame to allow clearance to remove the shock from the top side in between the fender and swingarm (see photos below).



8. Double check the lot number of the shock to the affected lot numbers provided in the bulletin. Replace the shock only if it was from a defective lot. All shock absorbers will be required to be returned to Yamaha.

9. Install the replacement shock from the kit in the reverse order of disassembly. Tighten bolts and nuts to the torque specifications listed in the Service Manual or as shown in the diagram below.



10. Tag the replaced shock absorber with a completely filled out Warranty Parts Tag (LIT-11790-02-00). Be sure to include the Warranty Claim number issued after you have entered the Recall Warranty Claim. Then carefully put the part in the same package used to ship the new Rear Shock Absorber Kit to you. Immediately mail the package back to Yamaha using the mailing label included in the kit packaging. Be sure to put your Dealer Number and the unit's Primary ID on the label.

TIP:

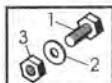
If you have misplaced the mailing label, print out a new one from page 10 of the electronic version of this bulletin on YDS.

IMPORTANT:

- Your dealership may be debited the cost of the repair if Yamaha does not receive the properly identified replaced shock absorber within 15 days of the date you submit your recall claim.
- Your dealership may be debited the cost of the repair if the replaced shock absorber has a lot number other than one in the Defective Lot Number List on page 3.

YAMAHA IDENTIFICATION PROCEDURE

After inspecting or inspecting and modifying a unit, make sure to properly record and submit the warranty claim for this safety recall to ensure not only correct reimbursement but also to update the unit's repair history in Yamaha data base. Perform a unit status inquiry in YDS to check if a unit is in the affected range or if the unit has been inspected or modified.



PARTS INFORMATION

Order the following:

Part Number	Description	Application	Qty	Dealer Cost
90891-20270-00	Rear Shock Absorber Kit	YZF-R1M	1	\$1,075.10

NOTICE:

Unpack the new shock absorber assembly carefully as you will be using the same packaging to return the defective shock to Yamaha.



YAMAHA MOTOR CORPORATION, U.S.A. 6555 Katella Avenue, Cypress, CA 90630-5101 800-962-7926

IMPORTANT SAFETY RECALL NOTICE

This notice applies to your vehicle (VIN XXXXXXXXXXXXXXXXXXXX).

April 29, 2015

Dear Yamaha Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Yamaha Motor Corporation, U.S.A. has decided that a defect which relates to motor vehicle safety exists in all 2015-model YZFR1MF/FC ("YZF-R1M") motorcycles. Our records indicate that you own the affected motorcycle shown above.

The reason for this recall:

In affected motorcycles, the rear shock absorber may not have been manufactured correctly; the piston rod nut may have been tightened before the piston had the correct full metal-to-metal contact. If so, it is possible for the nut to loosen, preventing proper rear suspension action, causing poor handling that could result in a crash with injury or death.

What Yamaha and your dealer will do:

To correct this defect, your authorized Yamaha dealer will inspect a lot number on the shock absorber to see if it is affected. If it is, your dealer will replace the shock absorber with a new one that was manufactured correctly. The inspection takes about 0.3 hour time to do but be aware that your Yamaha dealer may need to keep your motorcycle for longer depending upon their current service schedule. If the shock absorber must be replaced, the procedure takes about 1.2 hours time to do once your dealer has the new shock absorber in stock. **There will be no charge to you for this procedure.**

What you should do now:

Please call your Yamaha dealer to make a service appointment to have this procedure performed. At that same time, you can find out how long they expect to keep your motorcycle for this service. Remember to take this letter with you when you take in your motorcycle.

You should not ride your affected motorcycle shown above until this modification is performed.

If you are unable to return to the Yamaha dealer who sold you the motorcycle, this service will be performed by any authorized Yamaha motorcycle dealer. For the name of a dealer near you, call 1-800-88-YAMAHA or visit the Yamaha web site at www.yamaha-motor.com.

If you have had this repair performed before you received this letter, you may be entitled to receive reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this repair. For more information, contact Yamaha Customer Relations at 1-800-962-7926.

Federal regulations require that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within 10 days.

If you need help:

If, after contacting your dealership, you have questions or concerns which the dealership is unable to answer, please write to:

Yamaha Motor Corporation, U.S.A.
Customer Relations Department
P.O. Box 6555
Cypress, CA 90630

Or call: 1-800-962-7926

If, after contacting Yamaha Customer Relations, you are still not satisfied that we have done our best to remedy the situation without charge and within a reasonable time, you may submit a written complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590; or call the Auto Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>. Refer to campaign 15V221.

If you no longer own this Yamaha:




If you have sold your motorcycle to another party, please call us toll-free at 1-800-962-7926 with the name and address of the new owner, along with the serial number shown to the right of your name on the address label above.

We're sorry to cause you any inconvenience, but we are sincerely concerned about your safety and continued satisfaction with our products. Thank you for giving your attention to this important matter.

Sincerely,

Customer Support Group
Yamaha Motor Corporation, U.S.A.

The replaced defective shock absorber must be mailed back to Yamaha in the same package used to ship the new Rear Shock Absorber Kit to you. Immediately mail the package back to Yamaha using the mailing label included in the kit packaging. If you have misplaced the mailing label, print out this one from the electronic version of the bulletin on YDS.

 YAMAHA		NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES
Dealer# <input type="text"/>		
Primary ID: <input type="text"/>		
BUSINESS REPLY LABEL		
FIRST CLASS PERMIT NO. 1004 CYPRESS, CA		
POSTAGE WILL BE PAID BY ADDRESSEE		
YAMAHA MOTOR CORPORATION USA ATTN ASHLEY KNIGHT TECHNICAL SERVICE MOTORSPORTS 1270 CHASTAIN ROAD KENNESAW GA 30144		