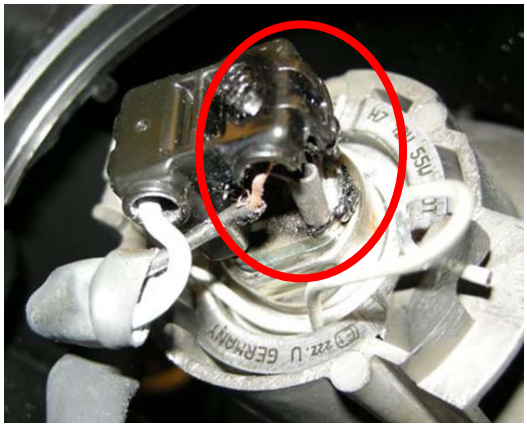
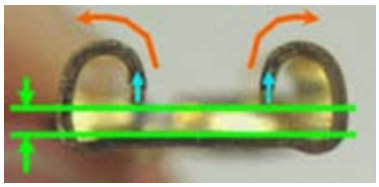
2009~2014 YZF-R1 (“R1”) and 2012~2013 XTZ1200 (“Super Ténéré”)

FACTORY MODIFICATION CAMPAIGN – Headlight Terminal Overheating





Heat damage to the headlight terminal coupler as a result of thermal expansion of the terminal connector.

INTRODUCTION

Yamaha Motor Corporation, U.S.A. has decided that a defect which relates to motor vehicle safety exists in 2009~2014 YZF-R1 and 2012~2013 XTZ1200 (“Super Ténéré”) model motorcycles. In affected motorcycles, due to improper heat resistance of the headlight bulb terminal connector, thermal expansion of the terminal connector can cause arcing between the terminal connector and the headlight bulb contact, resulting in coupler melting. If this happens, the headlight might malfunction which could result in the possibility of a crash with injury or death.

To correct this problem, Yamaha is initiating a Factory Modification Campaign. Affected units must have the headlight bulb sub-lead replaced.

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 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 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 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 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 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:
Replace the headlight sub-lead as instructed in this bulletin.

Sold Units:
Check first to be sure the modification has not already been performed (see *Identification Procedure* in this bulletin for more information). Replace the headlight sub-lead as instructed in this bulletin.

Parts:
Yes, order a headlight sub-lead kit for each affected unit. Refer to Parts Information below.

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 xx/xx/2014.

AFFECTED RANGE

2009~2014 YZF-R1
RN23E-0000006 ~ 0016423

2009~2014 YZF-R1C
RN23Y-0000020 ~ 0003741

2012~2013 XTZ1200
DP03E-0000002 ~ 0004046

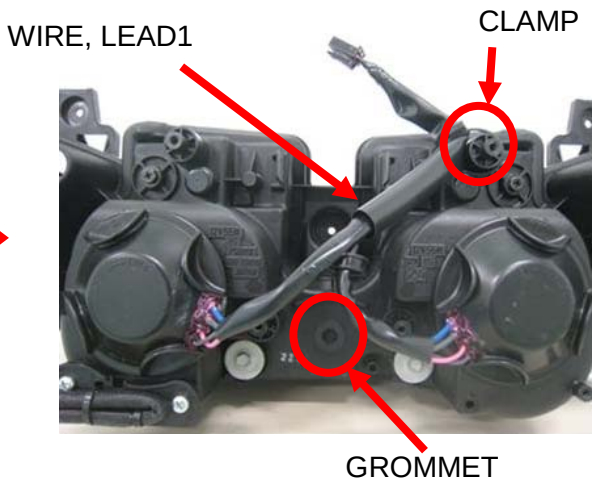
2012~2013 XTZ1200C
DP03Y-0000007 ~ 0000459
DP03Y-0000462 ~ 0000743

SERVICE PROCEDURE

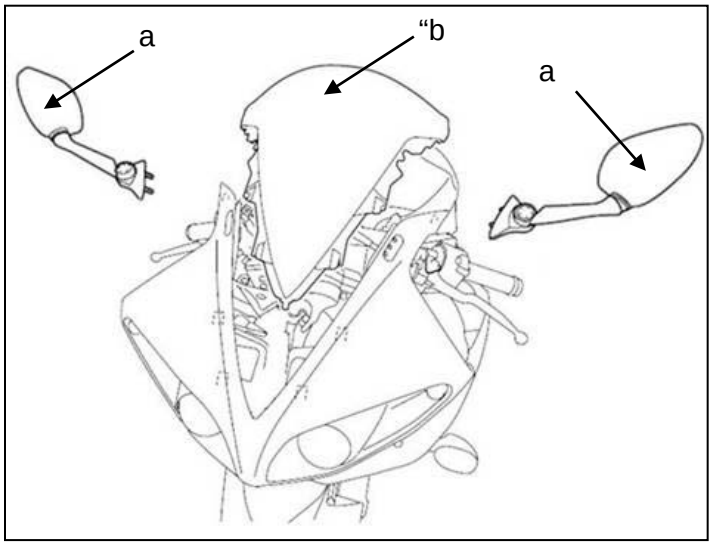
YZF-R1:

Before countermeasure

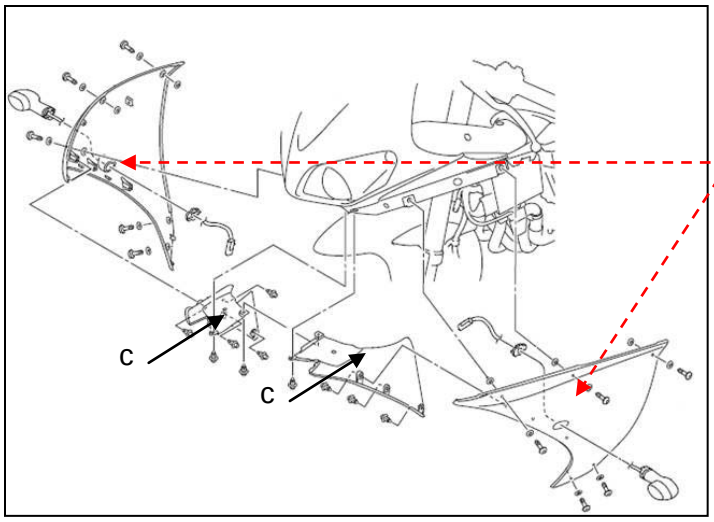
After countermeasure



Preparation



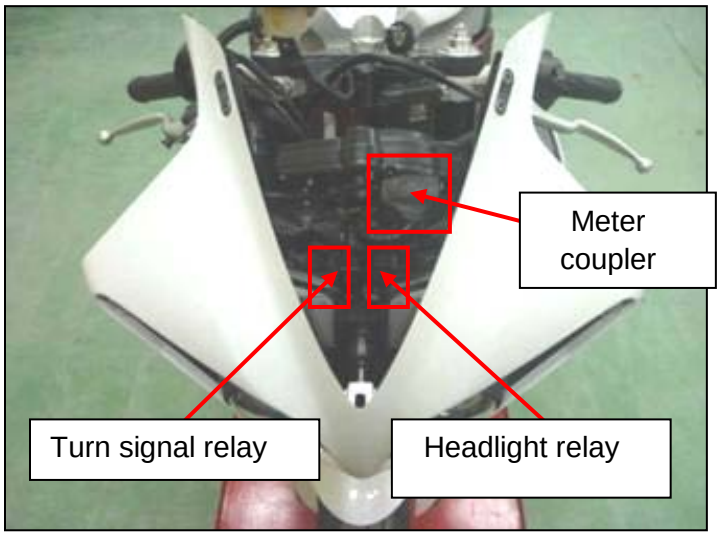
1. Remove the rear view mirrors “a.”
2. Remove the windshield “b.”



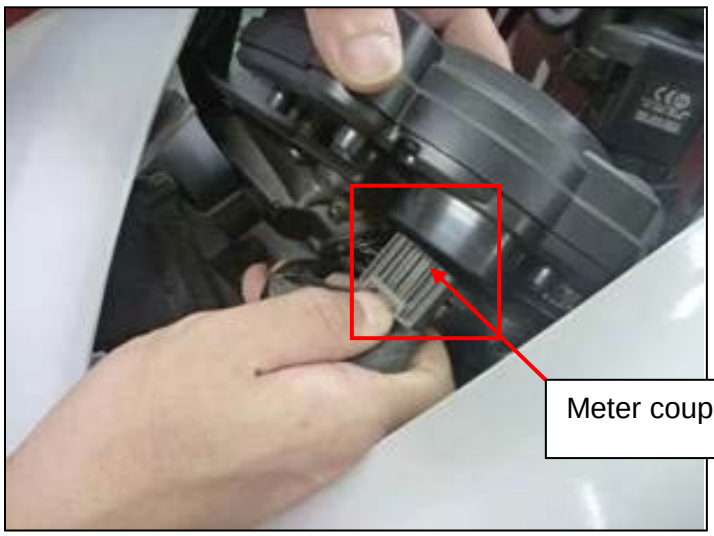
3. Remove the front cowling inner panel “c.”

TIP:
No need to remove the side cowling.

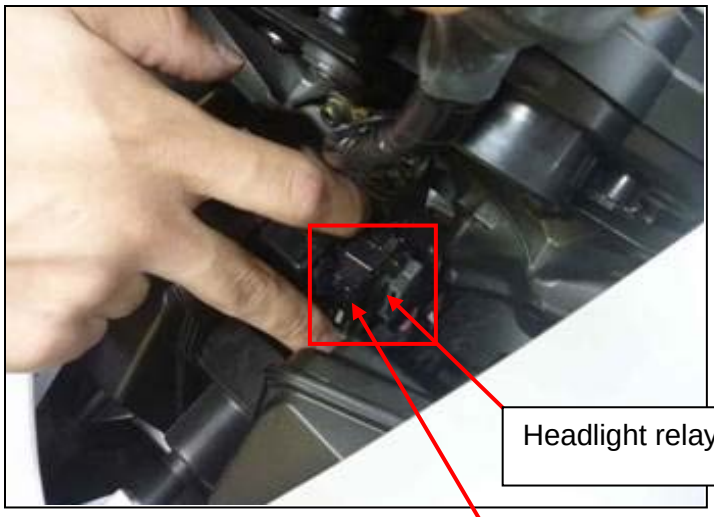
Remove the headlight sub lead in the headlight assembly.



Location of each coupler/relay.

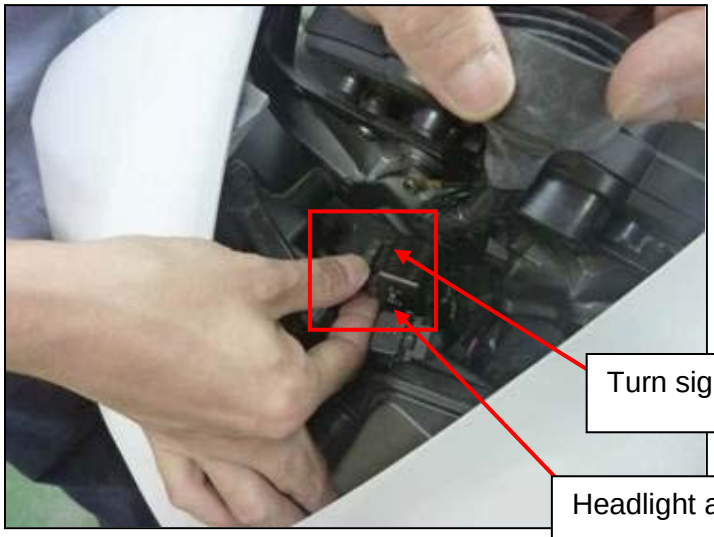


1. Disconnect the meter coupler.



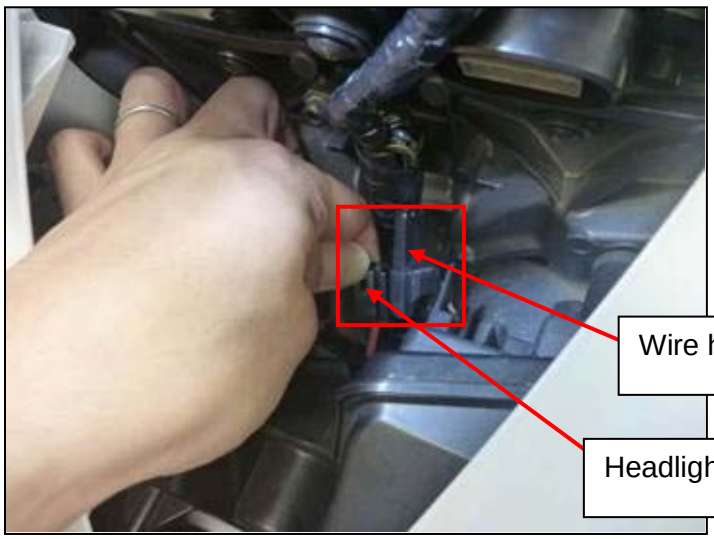
2. Remove the headlight relay grommet from the headlight assembly.

TIP:
No need to disconnect the headlight relay coupler.



3. Remove the turn signals relay grommet from the headlight assembly.

TIP:
No need to disconnect the turn signal relay coupler.



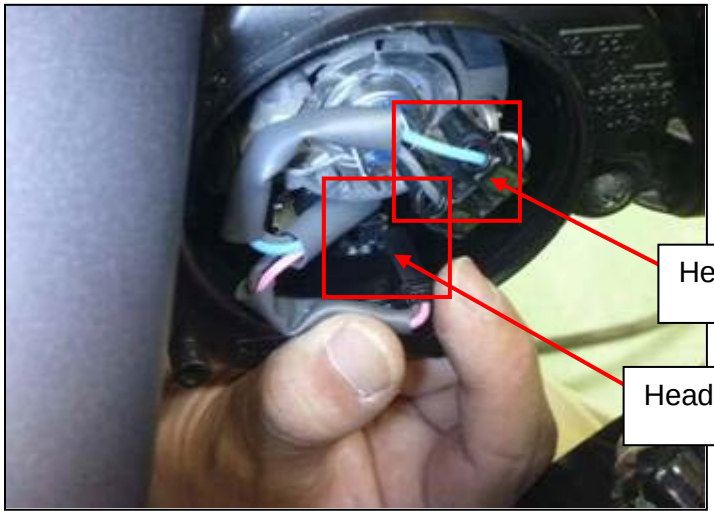
4. Disconnect the headlight sub wire harness from wire harness.

5. Remove the headlight clamp from headlight assembly. ***NOTICE:*** **Do not cut the headlight clamp – it will be reused.**

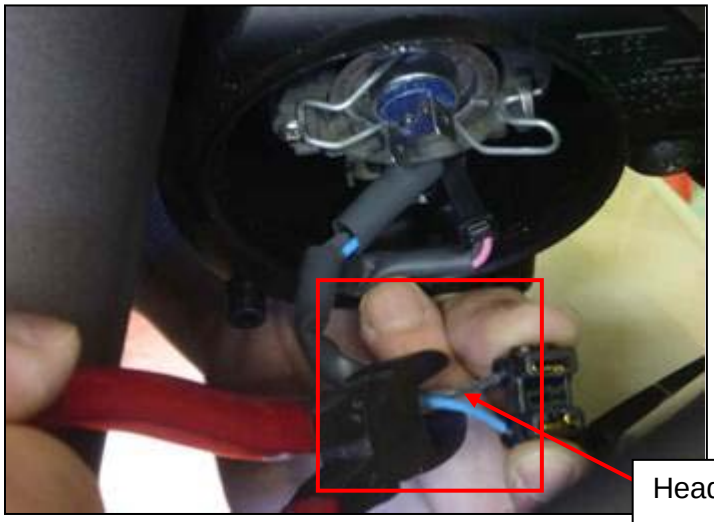
6. Remove the left headlight bulb cover.

⚠ WARNING

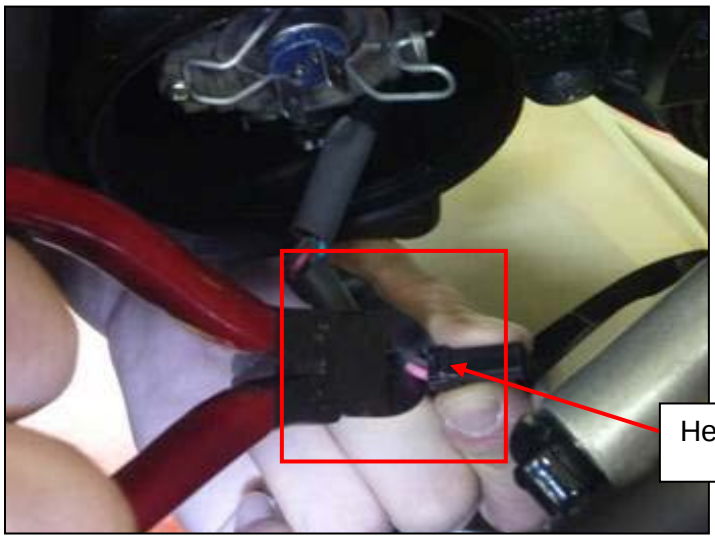
Since the headlight bulb gets extremely hot, keep flammable products and your hands away from the bulb until it has cooled down.



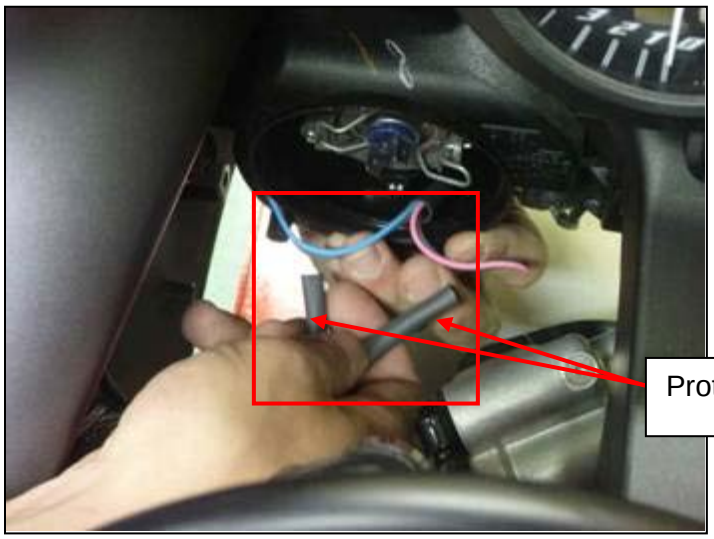
7. Remove the left headlight bulb coupler and headlight solenoid coupler.



8. Cut the left headlight bulb coupler.

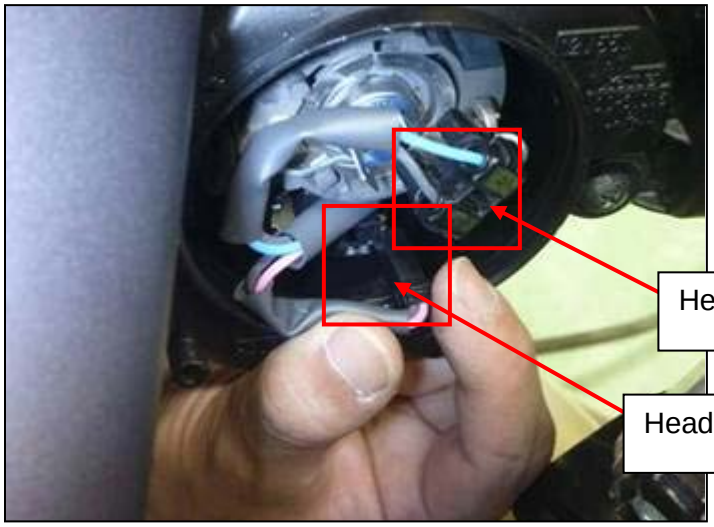


9. Cut the left headlight solenoid coupler. Discard the headlight bulb coupler and solenoid coupler.

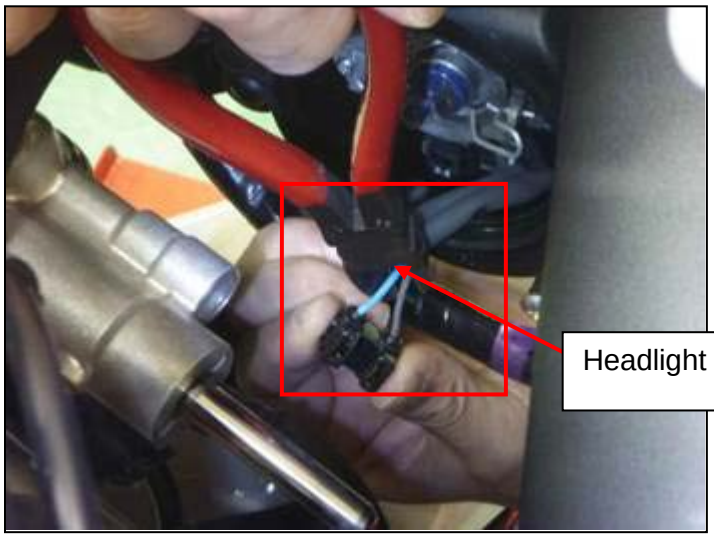


10. Remove the protection tube from the headlight bulb and solenoid lead wire. Discard the protection tube.

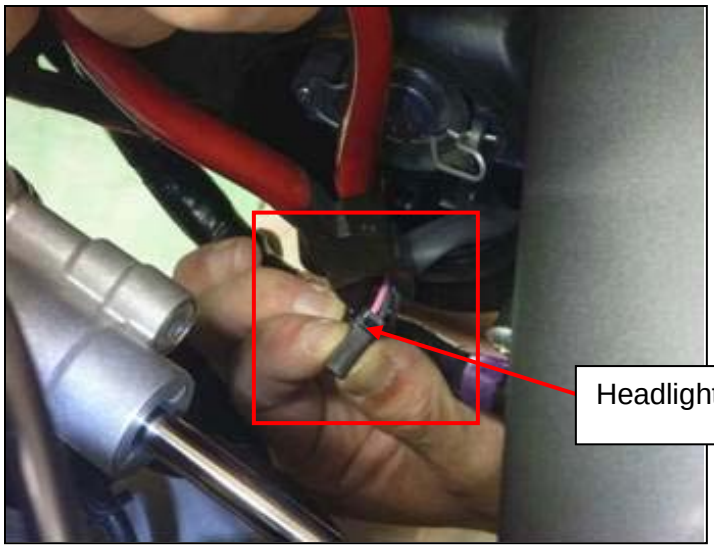
11. Remove the right headlight bulb cover.



12. Remove the right headlight bulb coupler and headlight solenoid coupler.

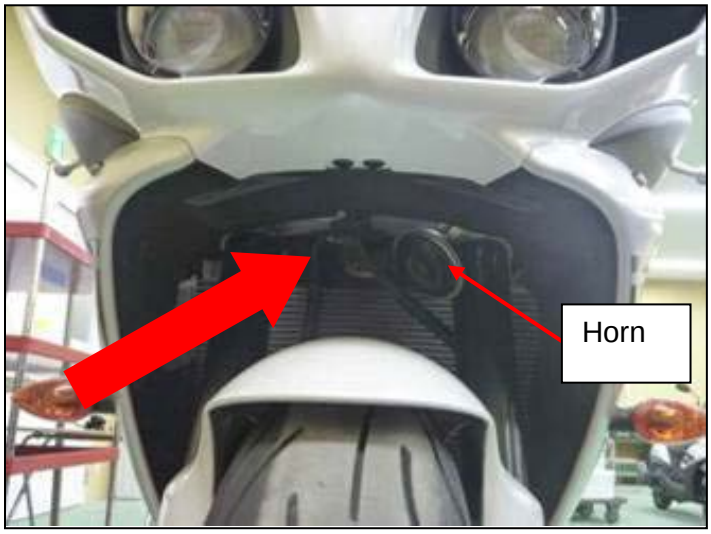


13. Cut the right headlight bulb coupler.

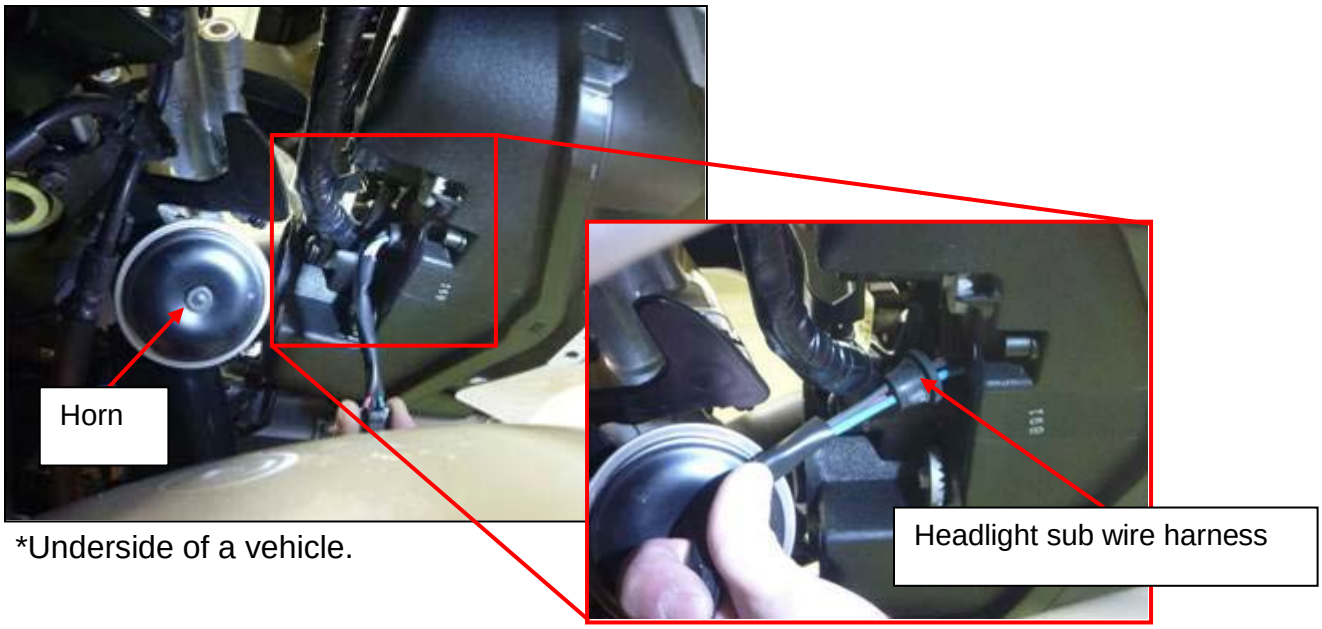


14. Cut the right headlight solenoid coupler. Discard the headlight bulb coupler and solenoid coupler.

15. Remove the protection tube from the headlight bulb and solenoid lead wire. Discard the protection tube.

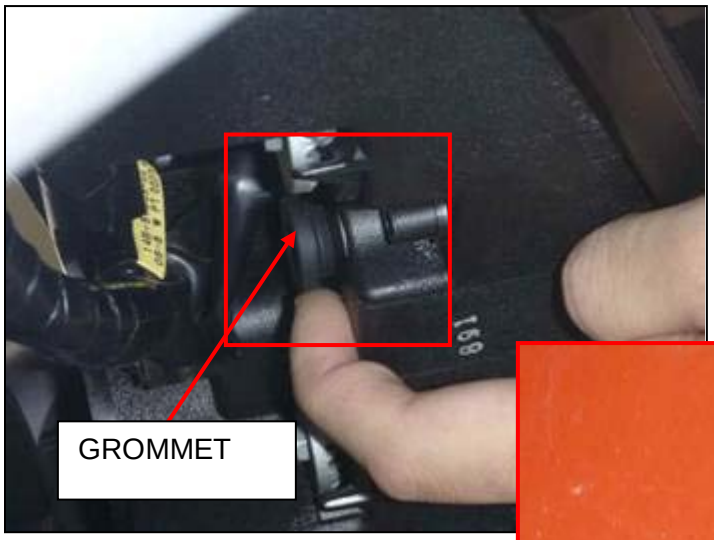


16. Remove the headlight sub wire harness from headlight assembly. Discard the headlight sub wire harness after removing.



*Underside of a vehicle.

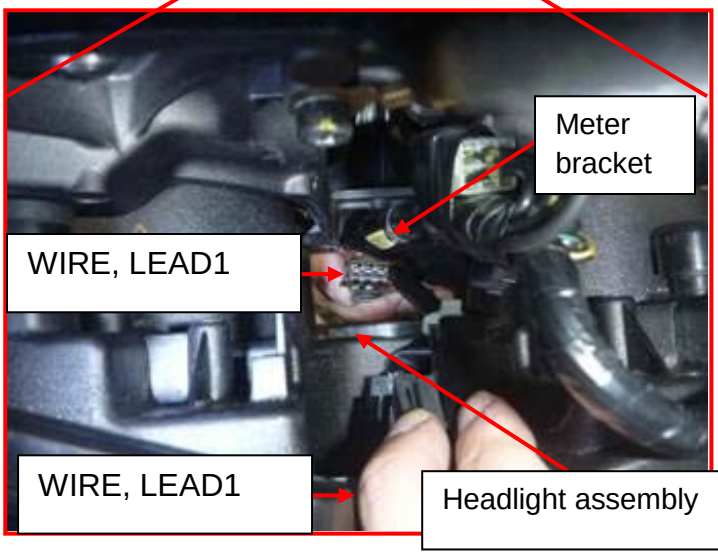
Install the headlight sub lead kit (countermeasure parts)



1. Install the GROMMET from the parts kit into the headlight assembly.

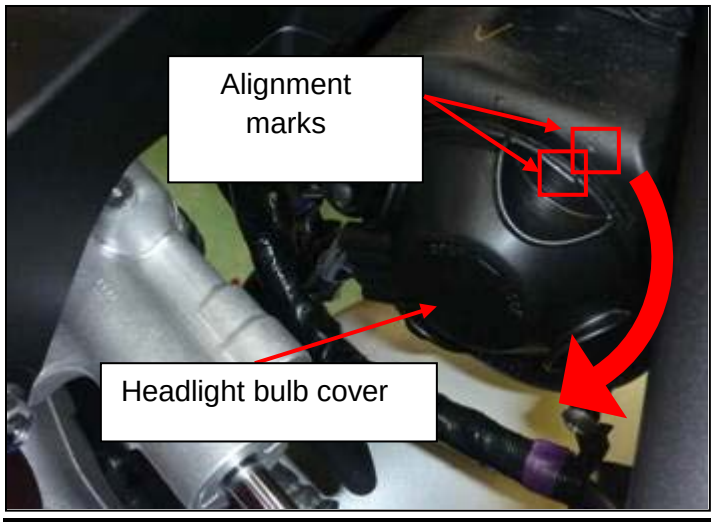
*Make sure the assembly direction of grommet.

2. Route the WIRE, LEAD1 from the parts kit towards the upper side of the machine, between the meter bracket and headlight assembly.



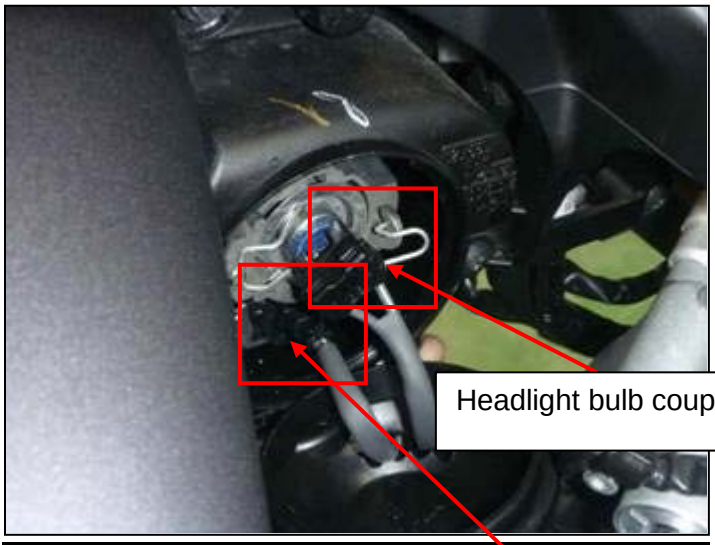
*After routing WIRE, LEAD1.

3. Route WIRE, LEAD1 at right headlight bulb cover side between the headlight assembly and wire harness, and then connect the headlight bulb coupler and solenoid coupler.

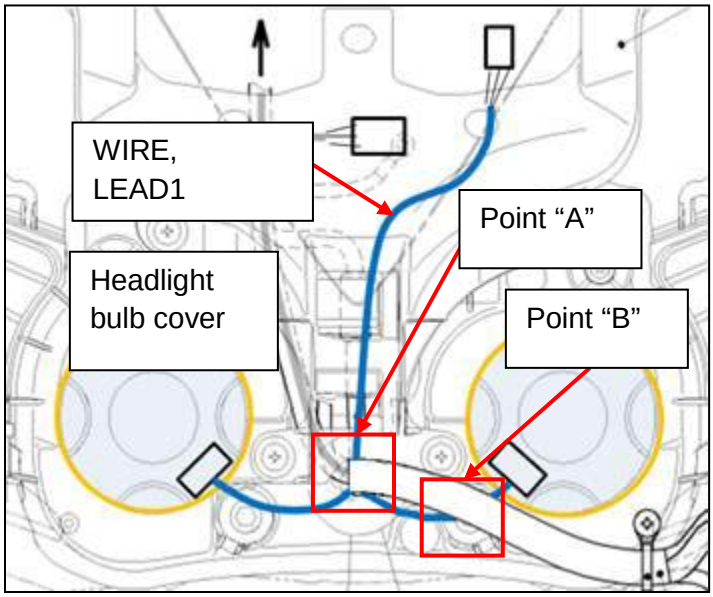


4. Install the left headlight bulb cover.

*Turn the right headlight bulb cover clockwise to install, and then line up the alignment marks on headlight assembly and headlight bulb cover.

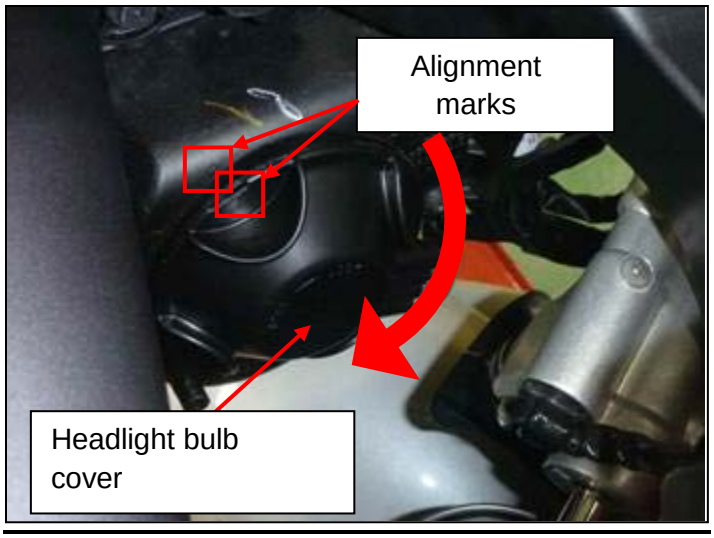


5. Connect the headlight bulb coupler and solenoid coupler.

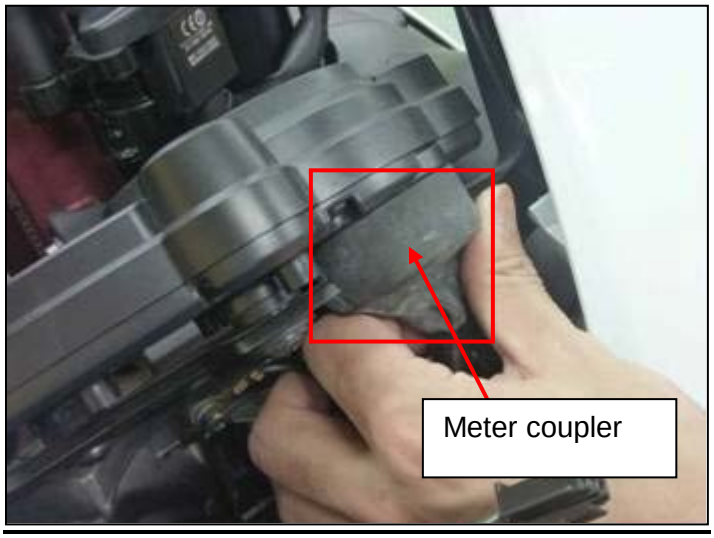


6. Check the routing of WIRE, LEAD1 at point “A” and “B” as shown by the accompanying figure.

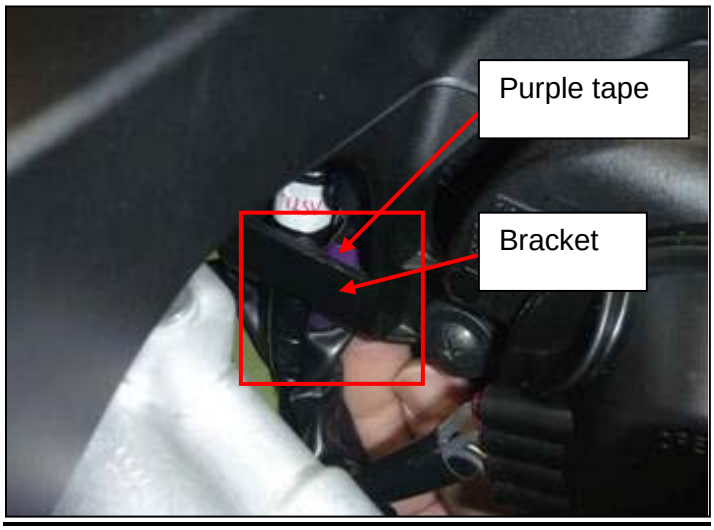
7. Install the left headlight bulb cover.



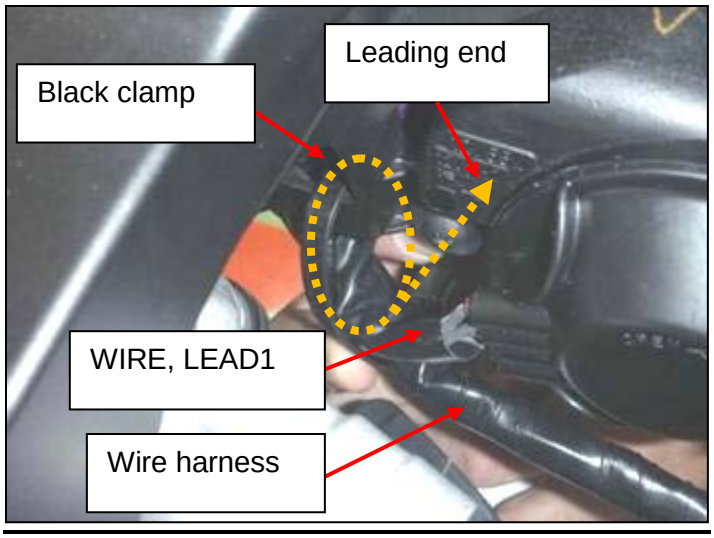
*Turn the headlight bulb cover clockwise to install, and then line up the alignment marks on headlight assembly and headlight bulb cover.



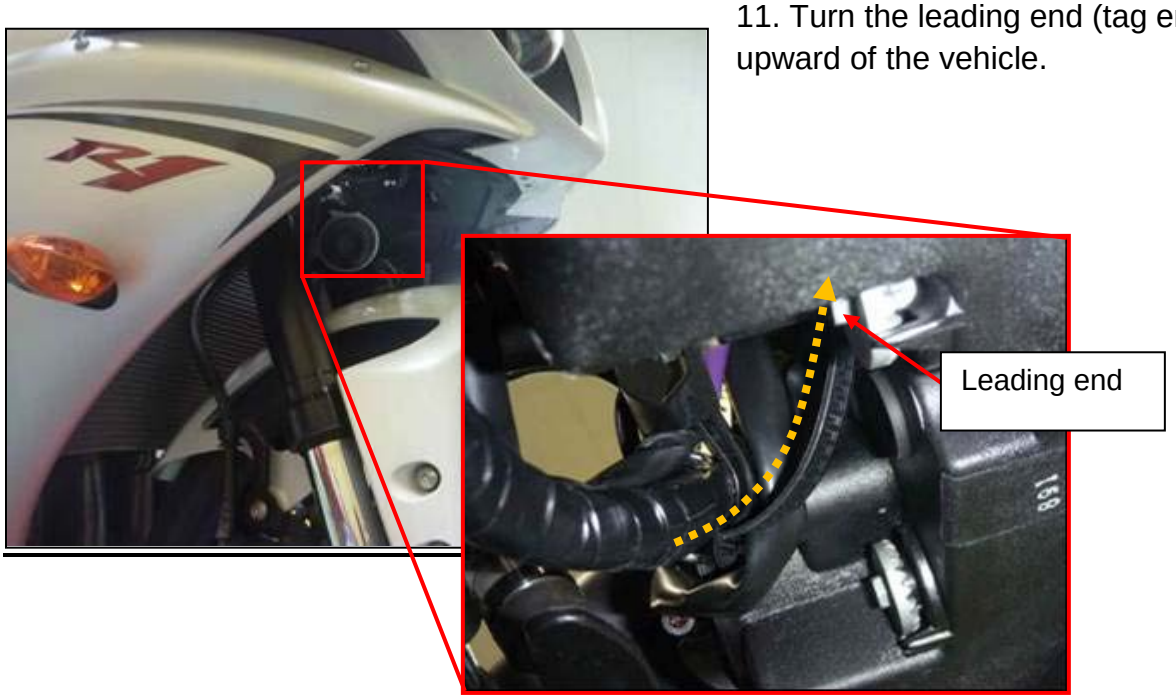
8. Connect the meter coupler.



9. Set the sub lead so that purple tape of WIRE, LEAD1 is positioned at the bracket of headlight assembly.



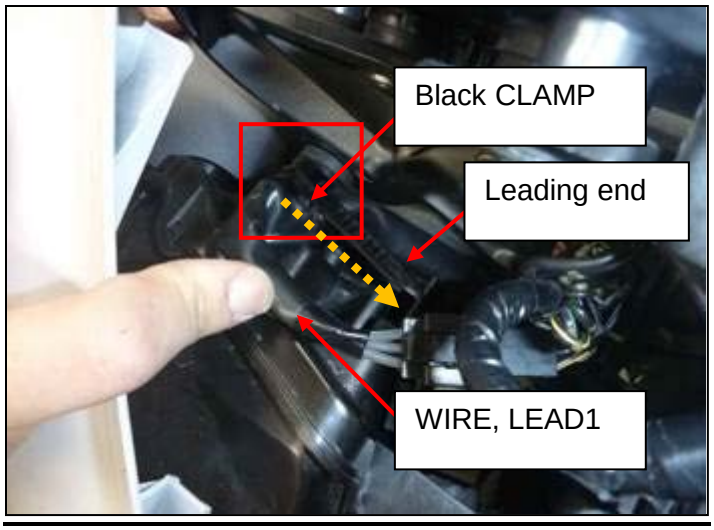
10. Tie WIRE, LEAD1 and wire harness to the bracket of headlight assembly using the original headlight clamp. Turn the leading end (tag end) to forward of the vehicle. ***NOTICE:*** **Do not cut the leading end (tag end) of headlight clamp.**

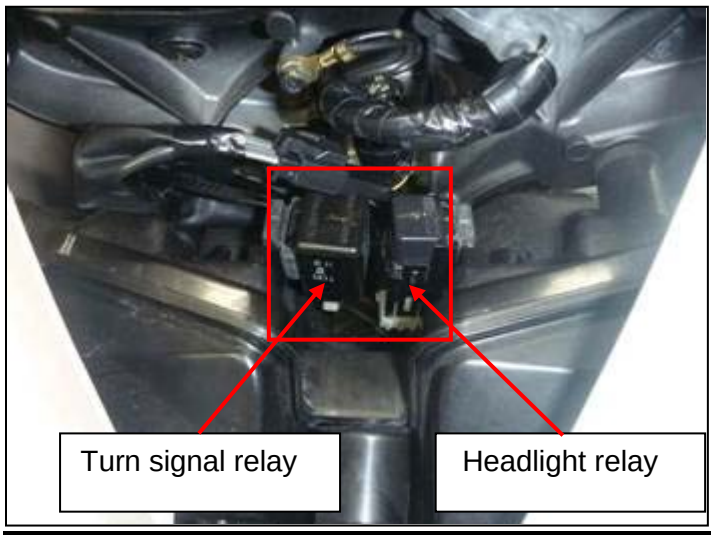


11. Turn the leading end (tag end) to upward of the vehicle.

12. Connect WIRE, LEAD1 and wire harness.

13. Tie WIRE, LEAD1 and headlight





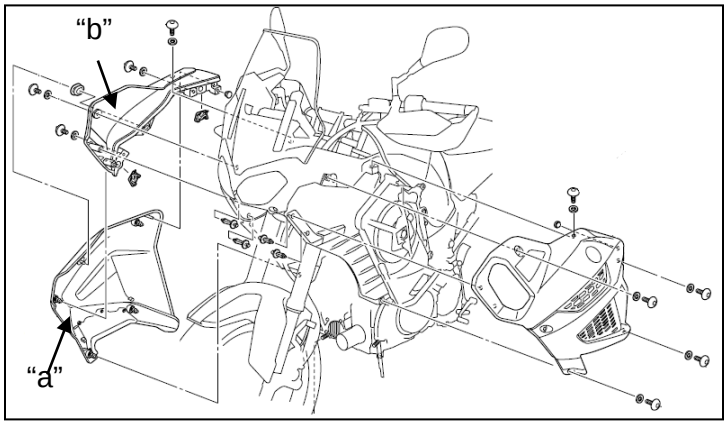
14. Place the turn signal relay coupler and headlight relay coupler their original positions.

15. Confirm proper headlight operation.

16. Reinstall the front cowling inner panels, windshield, and rear view mirrors.
17. When the modification is complete, put a punch mark above the VIN as described in Identification Procedure on page xx.

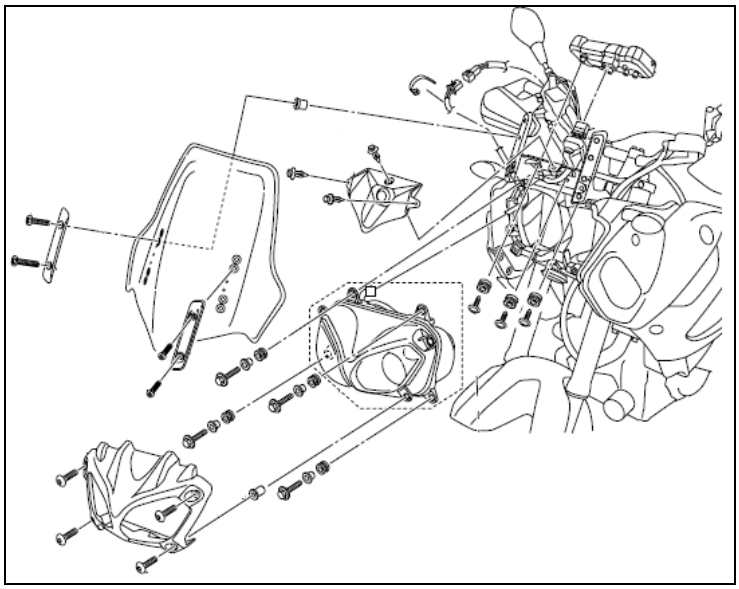
Super Ténéré

Preparation



1. Remove the right side cowling “a” by removing the quick fastener screws.

2. Remove the right side panel “b” by removing the screws.



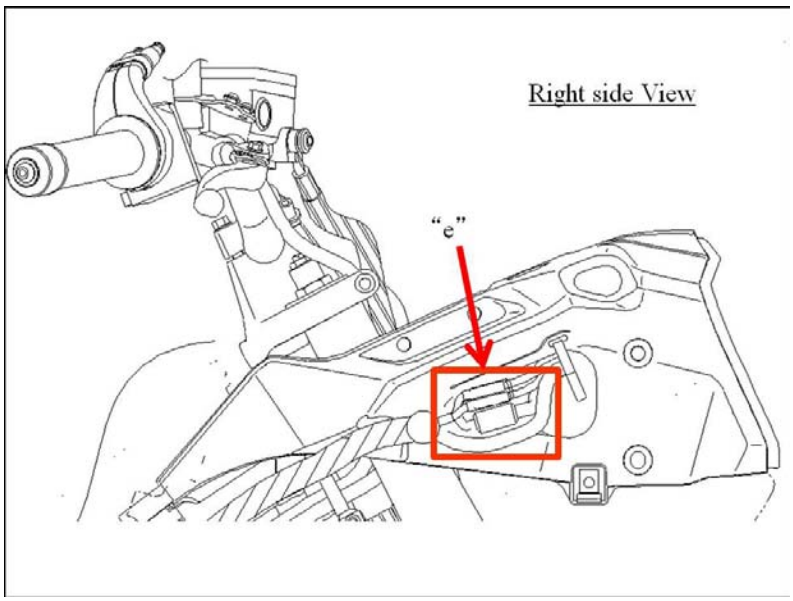
3. Remove the windshield “c.”

4. Remove the Headlight cover “d.”

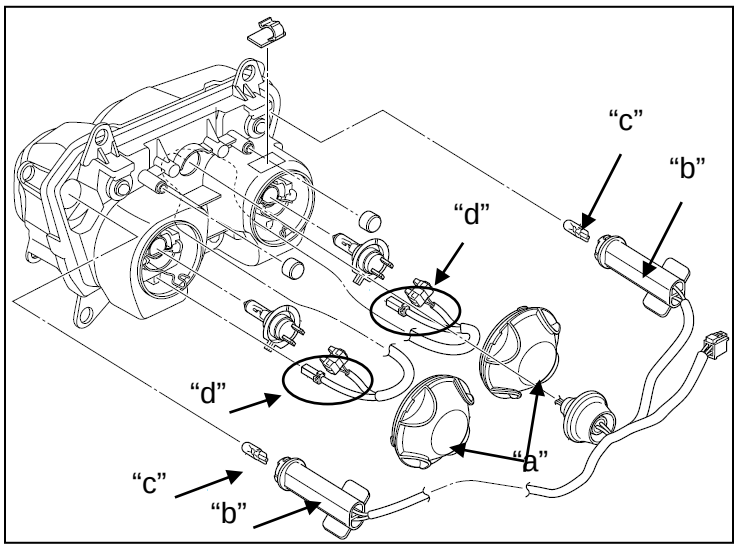
5. Disconnect the Headlight sub-wire harness coupler “ e.” Coupler “e” is not clearly shown on drawing.*

6. Remove the Headlight assembly “f.”

Position of the Headlight sub-wire harness coupler “ e ”



Replace the sub-wire harness.



1. Remove the Headlight bulb covers “a”.

2. Remove the Position lights “b”.

3. Remove the Position light bulbs “c” (these will be reused).

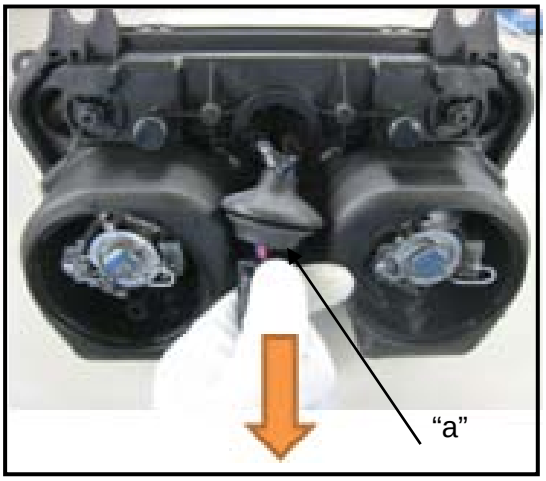
4. Disconnect the Headlight couplers and headlight solenoid couplers “d”.

⚠ WARNING

Since the headlight bulb gets extremely hot, keep flammable products and your hands away from the bulb until it has cooled down.

NOTICE

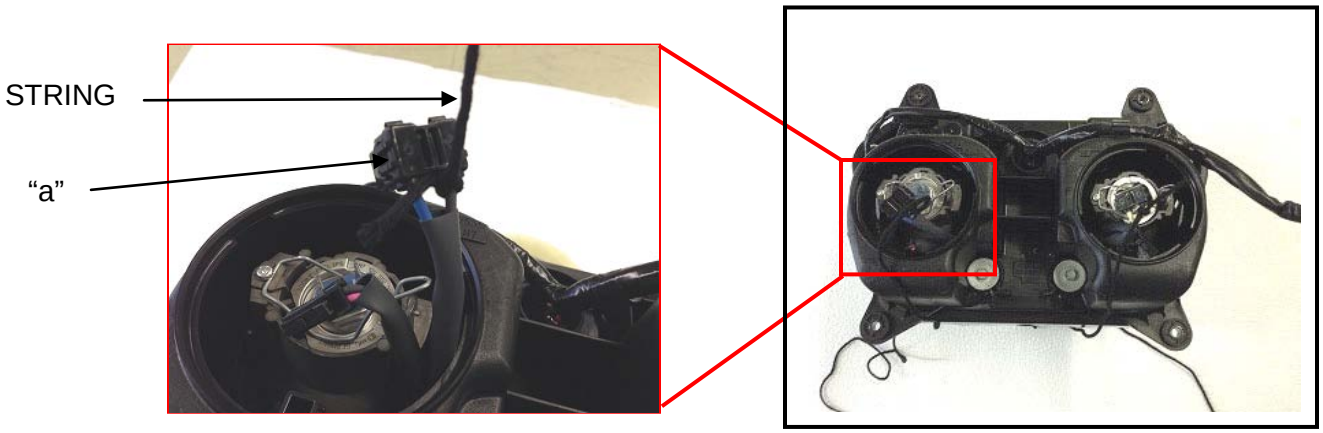
Avoid touching the glass part of the headlight bulb to keep it free from oil, otherwise the transparency of the glass, the life of the bulb and the luminous flux will be adversely affected. If the headlight bulb gets soiled, thoroughly clean it with a cloth moistened with alcohol or lacquer thinner.



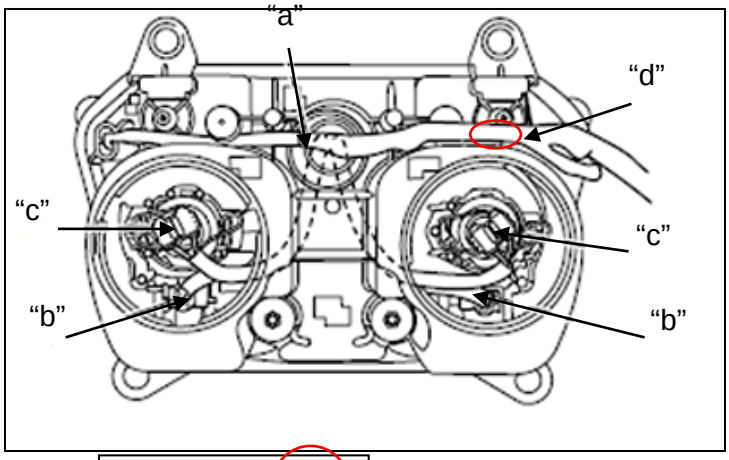
5.Remove the sub-wire harness “a”.

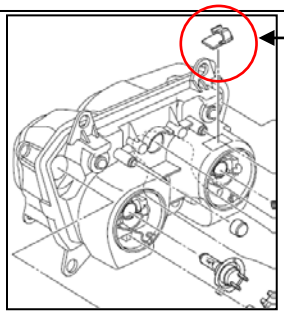
TIP:

Before removing the sub-wire harness, tie a string to the sub-wire harness in order to easily install the new sub-wire harness. After removing the sub-wire harness, remove the string and tie it to the counter-measure sub-wire harness. Then install the sub-wire harness by pulling the string.



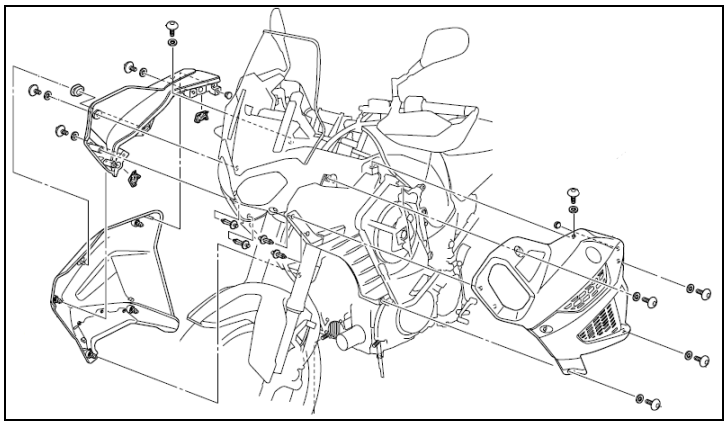
Install the countermeasure parts



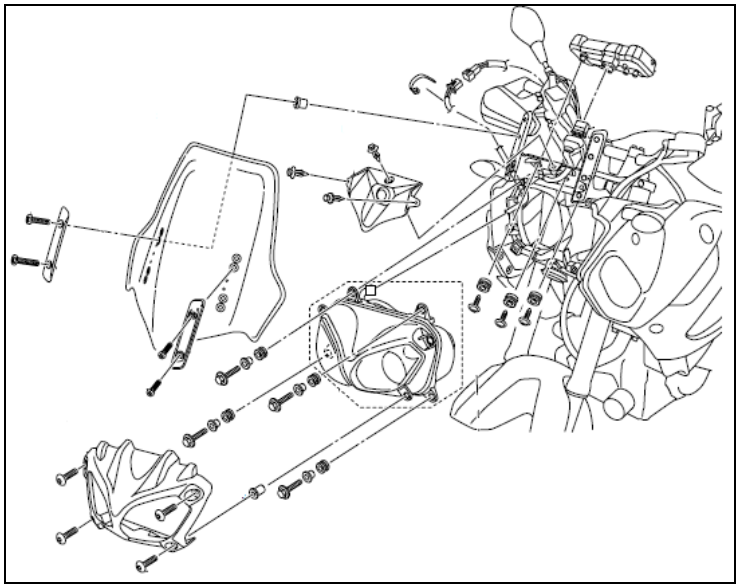


1. Install the Headlight sub-wire harness "a".
2. Connect the Headlight solenoid coupler "b".
3. Connect the Headlight coupler "c".
4. Clamp the wire harness "d."
   TIP: If the clamp is broken, replace it with the new one in the parts kit.

Reassemble the unit



1. Install the right side cowlings.



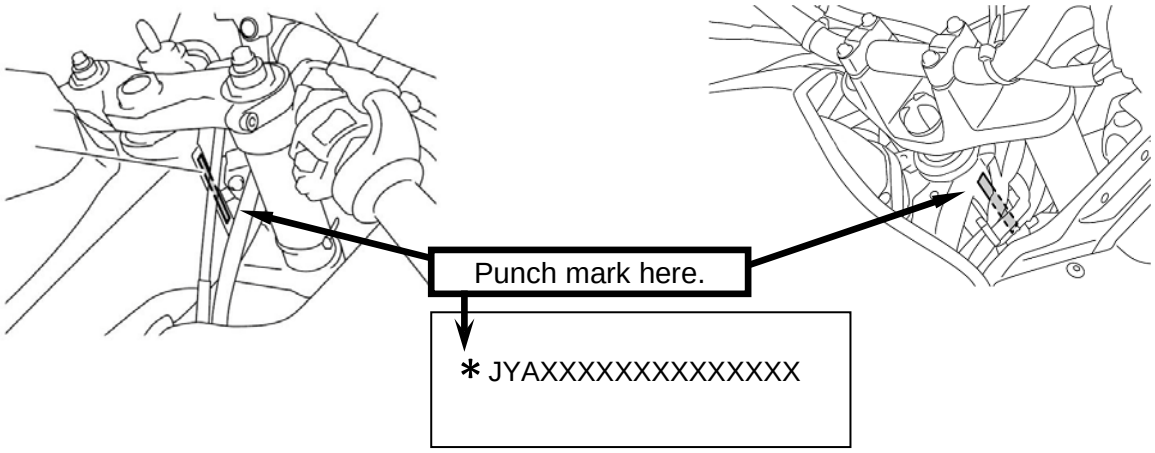
2. Install the windshield and headlight assembly.

3. Verify proper headlight operation.

4. When the modification is complete, put a punch mark above the VIN as described in Identification Procedure below.

IDENTIFICATION PROCEDURE

After modifying a unit, make a punch mark above the Vehicle Identification Number (VIN) as shown in the adjacent illustration. Check for this punch mark if you encounter an unfamiliar unit. You can also check unit status on YDS or by contacting your Regional Technical Advisor.



PARTS INFORMATION

Order a headlight sub-lead kit for each affected unit.

Model	Part Number	Description	Qty.	Dealer Cost
YZF-R1	90891-30084-00	YZF-R1 HEADLIGHT SUB-LEAD KIT	1	$TBD
XTZ1200Z	90891-30085-00	XTZ1200Z HEADLIGHT SUB-LEAD KIT	1	$TBD

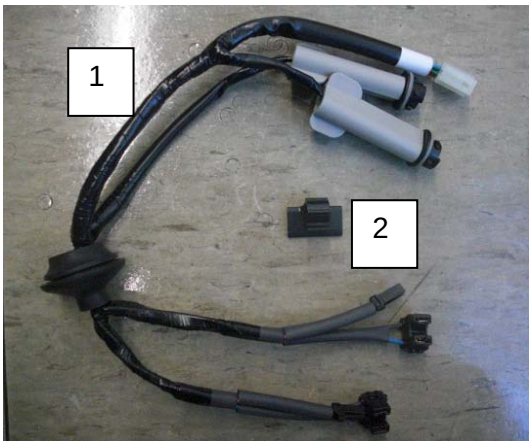
Kit Parts Contents:

YZF-R1 (90891-30084-00):

No.	PART NAME	PART NUMBER	QTY
1	WIRE, LEAD1	14B-84148-09	1
2	CLAMP	90464-13073	1
3	GROMMET	14B-84762-09	1

XTZ1200 (90891-30085-00):

No.	PART NAME	PART NUMBER	QTY
1	CORD ASSY	23P-84312-01	1
2	CLAMP	90464-10012	1



WARRANTY INFORMATION

The owner of each registered unit will receive a letter announcing this campaign. The customer's letter includes the Primary ID and Recall Number.

The modification is authorized for all motorcycles, both sold and unsold, regardless of ownership or warranty status. You do not need the customer's letter to perform the modification, or to file for reimbursement.

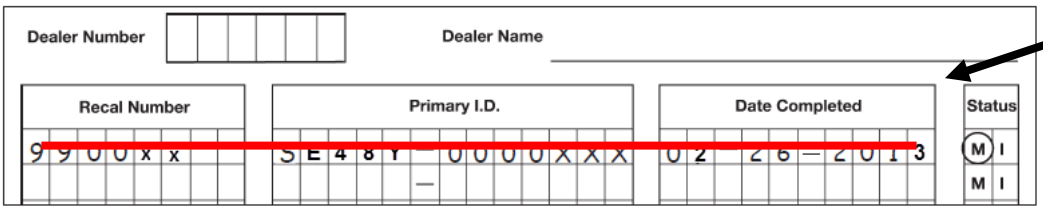
Submit a Recall Request for the parts and labor as described below using Recall Number 9900xx. The labor allowance is **0.6 hour**.

YDS:

When signed on to YDS, click the Service Tab. And then "Recall Request-Add." This function will allow you to enter multiple Primary IDs for the same recall. Remember that YDS requires a 7-digit serial number, so use a "0" as the first digit. The system will check your submission instantly to make sure the Primary ID numbers you've entered are valid for the recall. You can check back the next day for your claim numbers to track your credit.

Mail:

Complete a recall Reimbursement Request (LIT-11790-00-03) as shown below:



Please update this example image with correct PID # and Date Completed

If you have any questions about proper procedures for Factory Modification Campaigns, see Chapter 7 in your Warranty and Y.E.S. Handbook (LIT-11760-00-08).

YAMAHA MOTOR CORPORATION, U.S.A. 6555 Katella Avenue, Cypress, CA 90630-5101 (714) 761-7300

IMPORTANT SAFETY RECALL NOTICE

This notice applies to your vehicle, (VIN XXXXXXXXXXXXXXXX)

[date]

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 2009~2014 YZF-R1 and 2012~2013 XTZ1200 ("Super Ténéré") model motorcycles. Our records show that you own the affected motorcycle shown above.

The reason for this recall: In affected motorcycles, due to improper heat resistance of the headlight bulb terminal connector, thermal expansion of the terminal connector can cause arcing between the terminal connector and the headlight bulb contact, resulting in coupler melting. If this happens, the headlight might malfunction which could result in the possibility of a crash with injury or death.

What Yamaha and your dealer will do: To correct this defect, your authorized Yamaha dealer will replace the headlight bulb sub-lead. The procedure takes less than an hour to perform, but your dealer may need to keep your motorcycle longer depending upon their schedule. **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 motorcycle 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*.

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 and address 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.

YAMAHA

YAMAHA MOTOR CORPORATION, U.S.A.
6555 Katella Avenue
Cypress, California 90630-5101

IMPORTANT SAFETY RECALL INFORMATION

U.S. Department of Transportation

Issued in Accordance With Federal Law

NHTSA
www.nhtsa.gov