

# Technico

# BULLETIN

©2014 YAMAHA MOTOR CORPORATION, U.S.A.

## 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.

### 2009 ~ 2014 YZF-R1 ("R1") AND 2012 ~ 2013 XTZ1200 ("Super Ténéré") FACTORY MODIFICATION CAMPAIGN - Headlight Terminal Overheating (NHTSA 14V044)

#### I

#### 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.

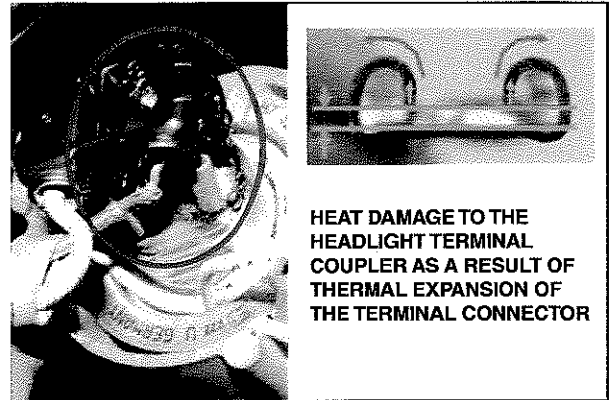
Yamaha is notifying all registered owners of affected motorcycles by mail. A copy of this letter is included in this bulletin. The customer should take this letter along with the affected motorcycle to an authorized Yamaha dealer for modification.

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).



HEAT DAMAGE TO THE HEADLIGHT TERMINAL COUPLER AS A RESULT OF THERMAL EXPANSION OF THE TERMINAL CONNECTOR



## 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 3/4/2014.



## 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

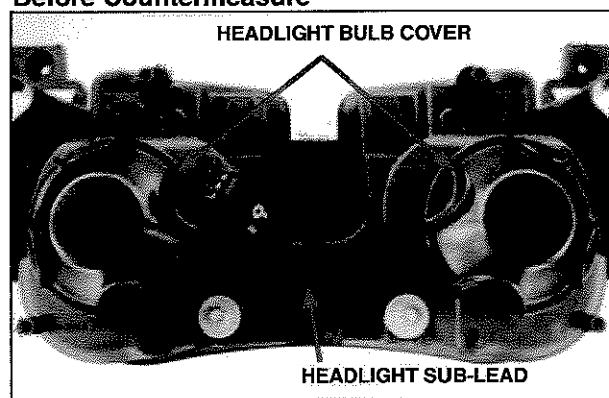
DP03Y-0000462 ~ 0000743



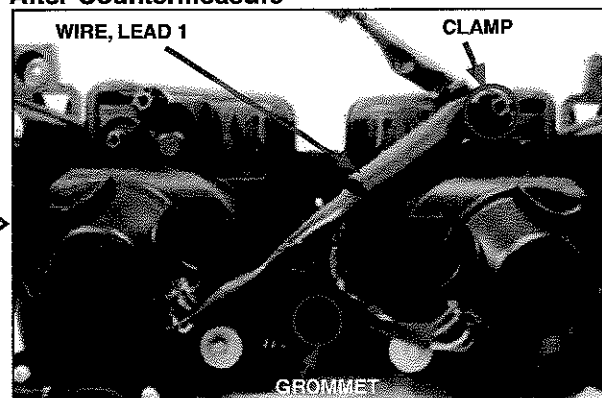
## SERVICE PROCEDURES

### YZ-R1

#### Before Countermeasure



#### After Countermeasure



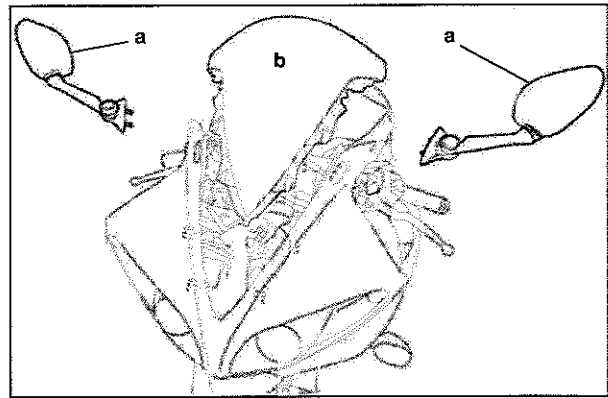
As shown above, the wire routing of the new headlight sub-lead (Wire, Lead 1) is different than the original wire routing.

Removal of the original sub lead requires cutting the connectors from the lead and pulling them through the headlight housing.

Below are detailed instructions for removing the original sub lead and installing the new one.

**Remove the rear view mirror, windshield, and front cowling inner panel.**

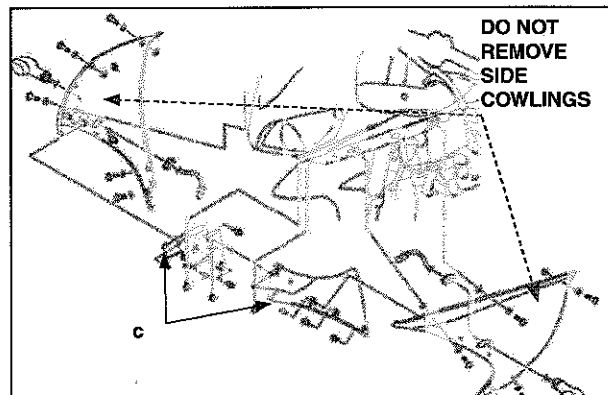
1. Remove the rear view mirrors "a."
2. Remove the windshield "b."



3. Remove the front cowling inner panel "c."

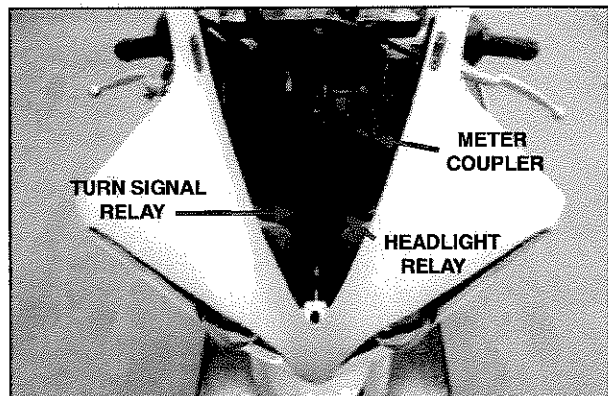
**TIP:**

No need to remove the side cowlings.

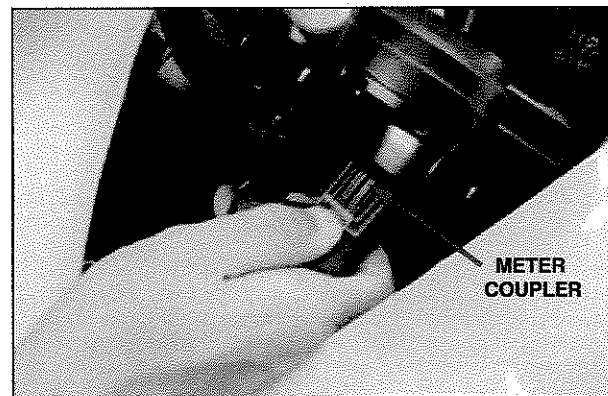


**Remove the headlight sub-lead from the headlight assembly.**

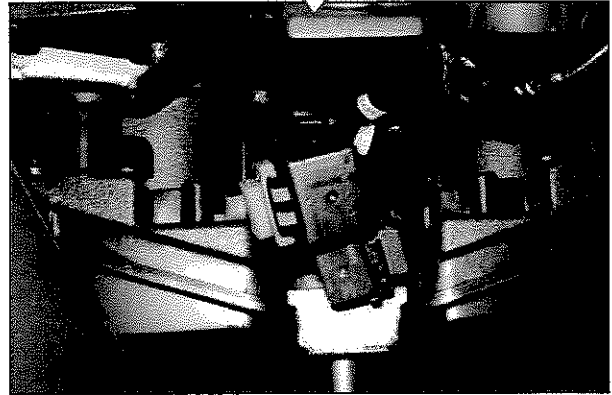
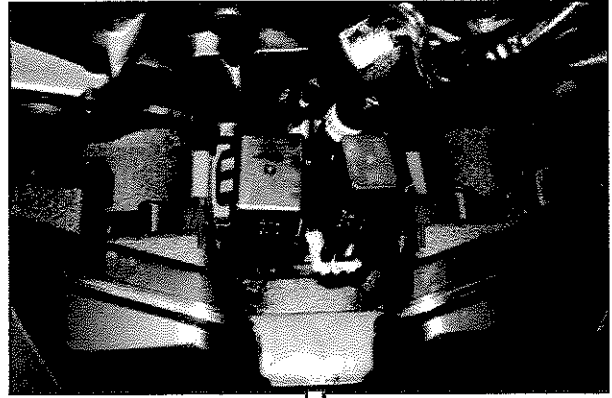
The adjacent photo shows the location of each coupler/relay.



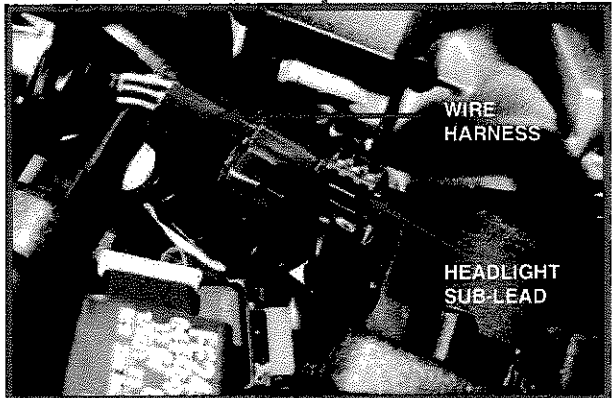
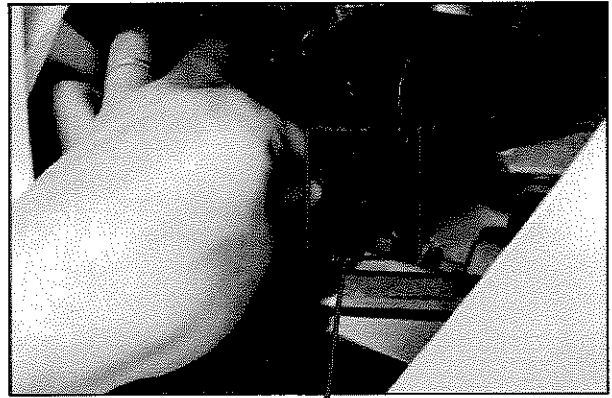
1. Disconnect the meter coupler.



2. Remove the headlight and turn signal relays from their holders. This will allow working room to disconnect the headlight sub-lead connector.

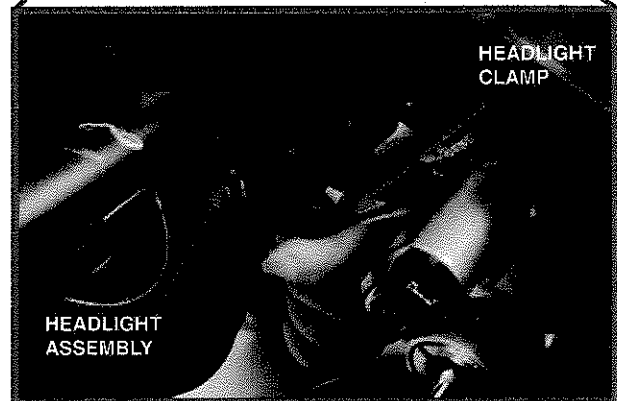
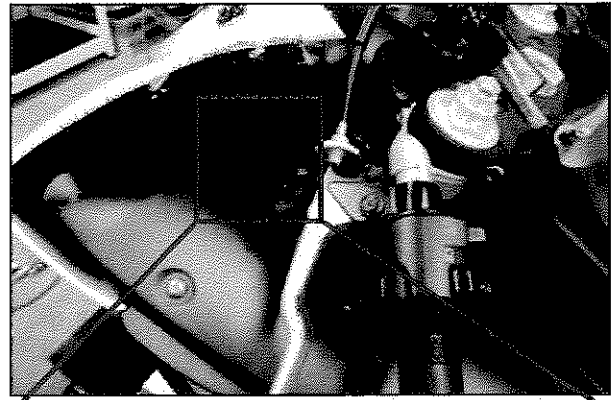


3. Disconnect the headlight sub-lead harness from the wire harness.



4. Remove the headlamp clamp from the headlight assembly.

**NOTE:** Do not cut the headlight clamp. It will be reused.



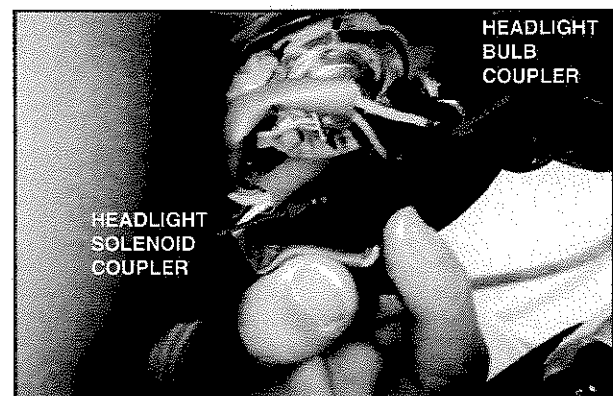
5. Remove the left headlight cover.

**⚠ WARNING**

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

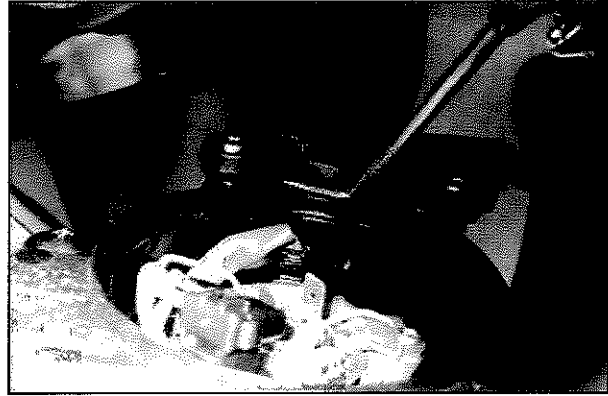


6. Remove the left headlight bulb coupler and headlight solenoid coupler.

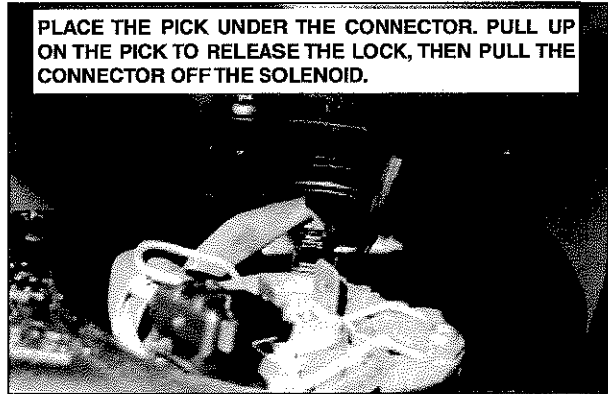


**TIP:**

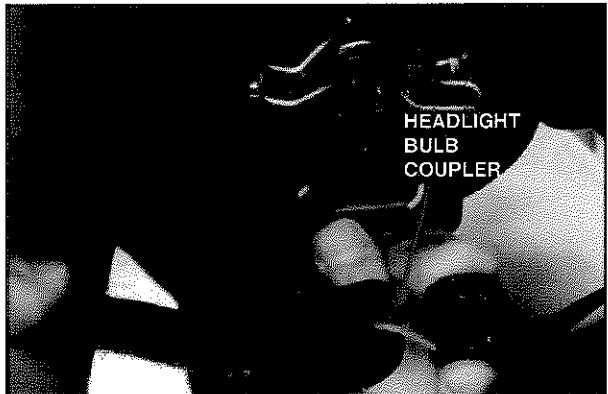
To ease removal of the solenoid connector, use a 90° pick to release the connector lock which is located at the bottom side of the connector.



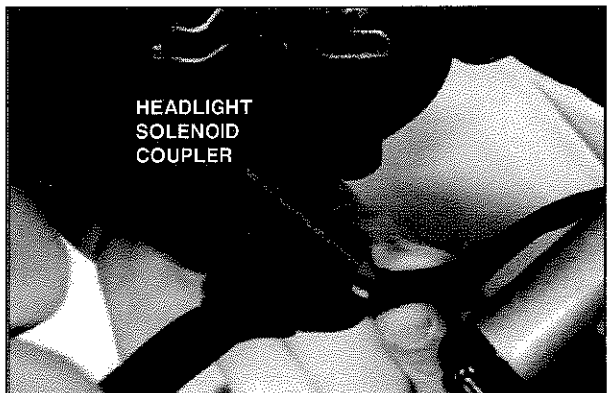
PLACE THE PICK UNDER THE CONNECTOR. PULL UP ON THE PICK TO RELEASE THE LOCK, THEN PULL THE CONNECTOR OFF THE SOLENOID.



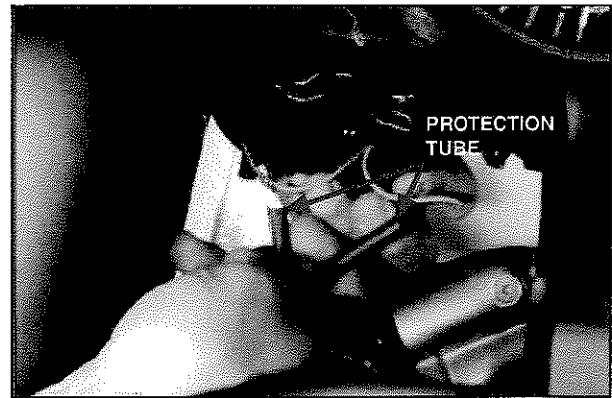
7. Cut the left headlight bulb coupler.



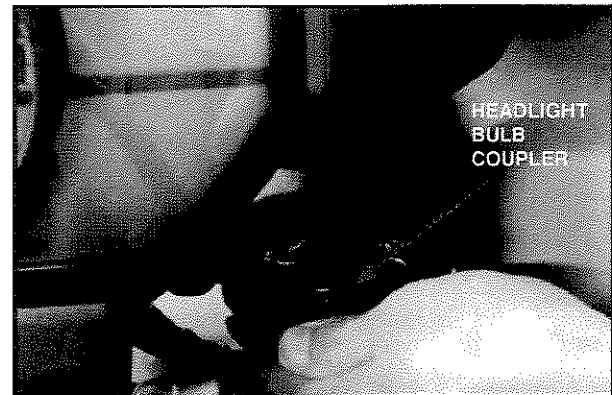
8. Cut the left headlight solenoid coupler. Discard the headlight bulb coupler and solenoid coupler.



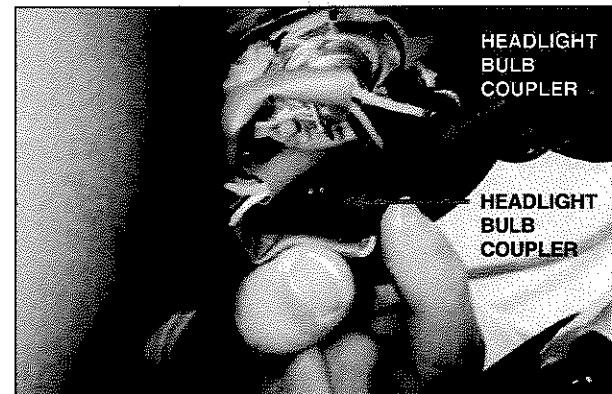
9. Remove the protection tube from the headlight bulb and solenoid lead wire. Discard the protection tube.



10. Remove the right headlight bulb cover.



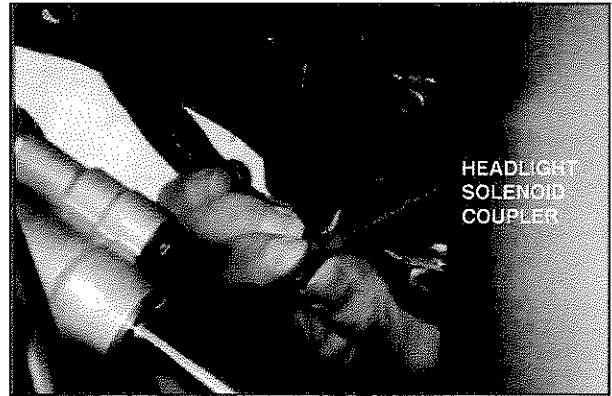
11. Remove the right headlight bulb coupler and headlight solenoid coupler.



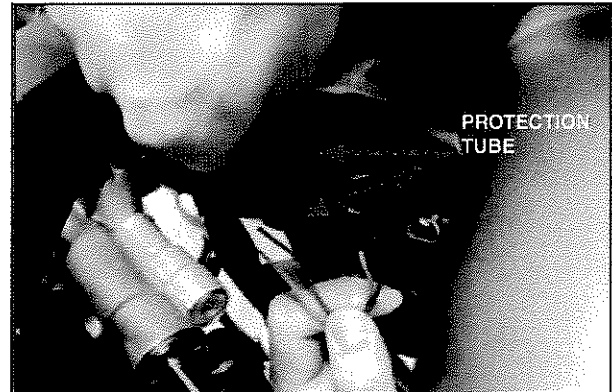
12. Cut the right headlight bulb coupler.



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



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

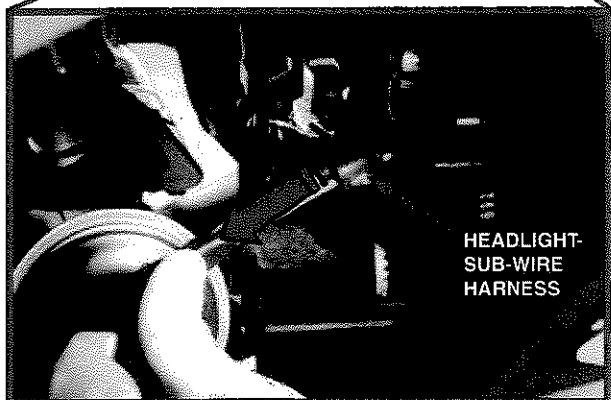
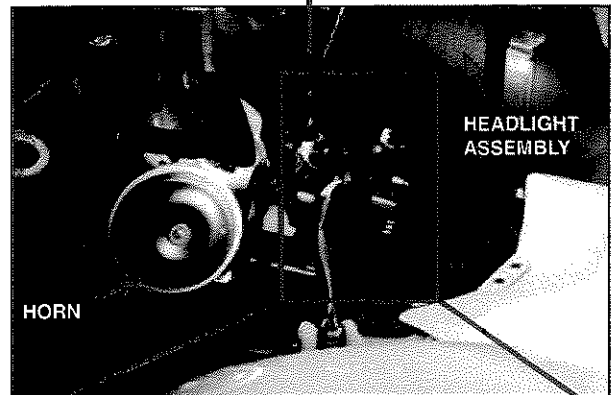
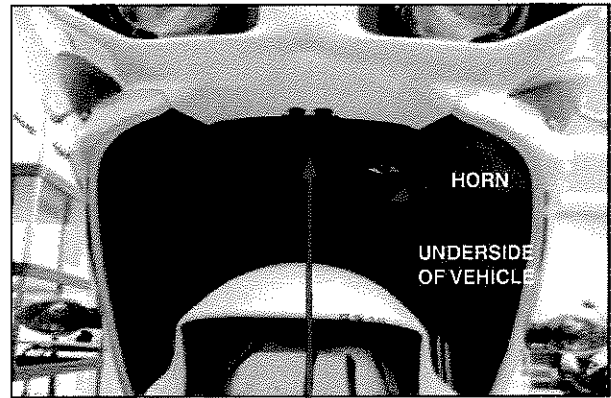


15. Remove the headlight sub-lead harness from the headlight assembly.

From the under side of the headlight assembly, grasp the sub-lead wire and pull it rearward to remove. Discard the headlight sub-lead harness after removing.

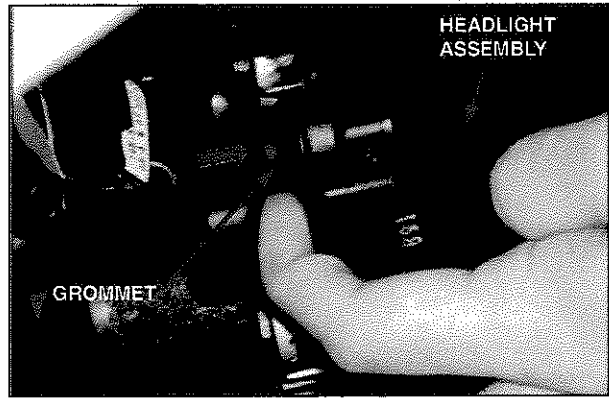
**TIP:**

It may take some force to remove the sub-lead harness from the headlight housing.

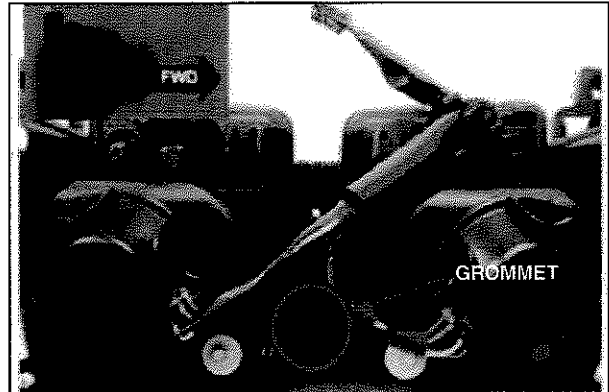


**Install the new headlight sub-lead kit (counter-measure parts)**

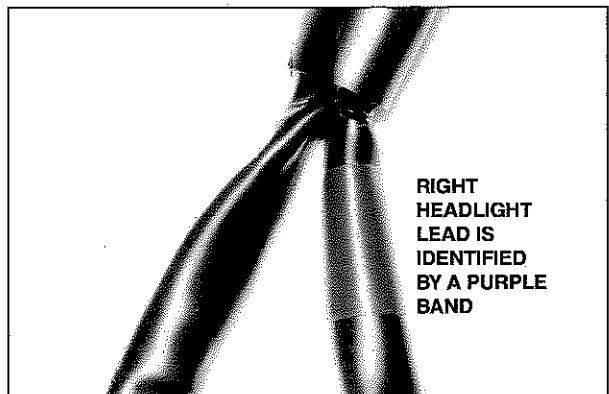
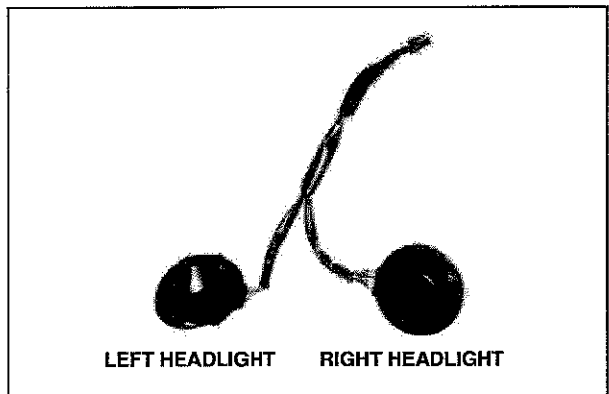
1. Install the GROMMET from the parts kit into the headlight assembly.



Make sure the grommet is installed in the correct direction.



Sub-lead layout:

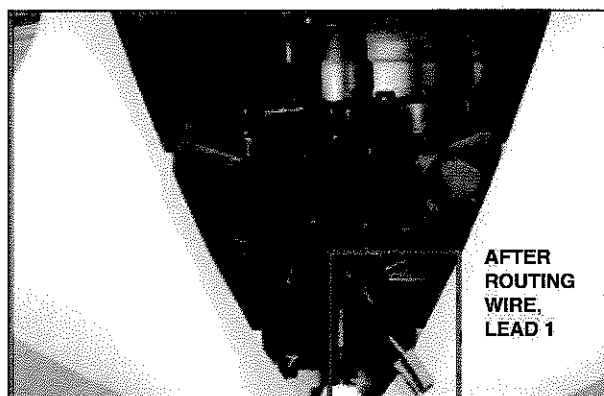
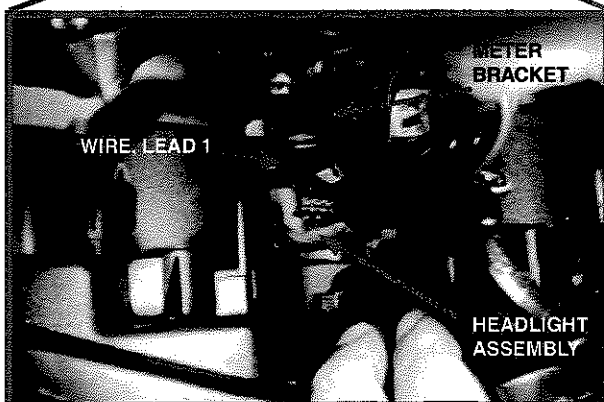
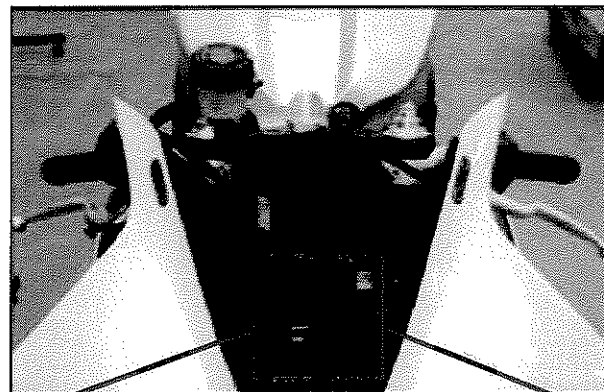
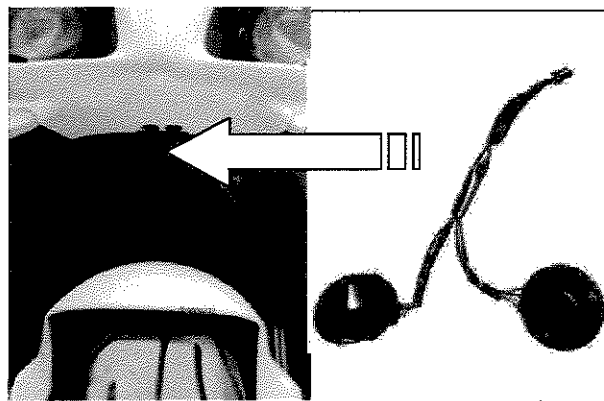


2. Install the new headlight sub-lead (WIRE, LEAD 1) from the parts kit.

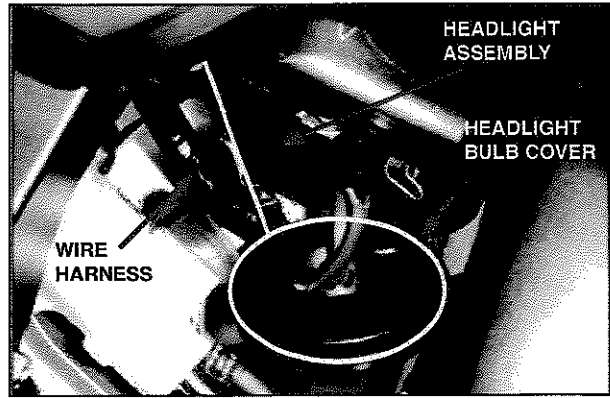
Route it upward in between the meter bracket and headlight assembly (following the same routing as the original sub-lead).

**TIP:**

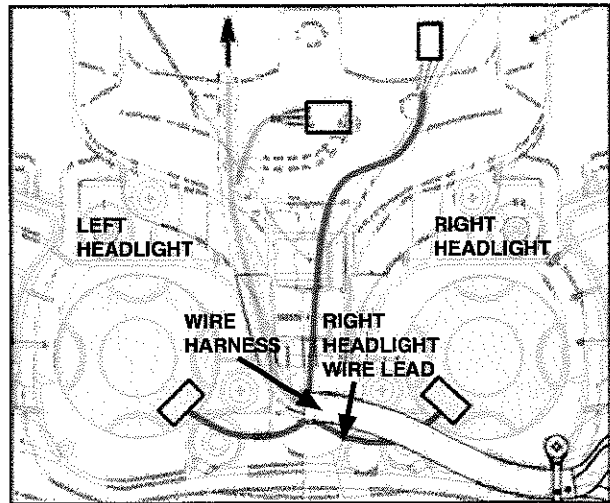
Do not connect the sub-lead to the harness at this time.



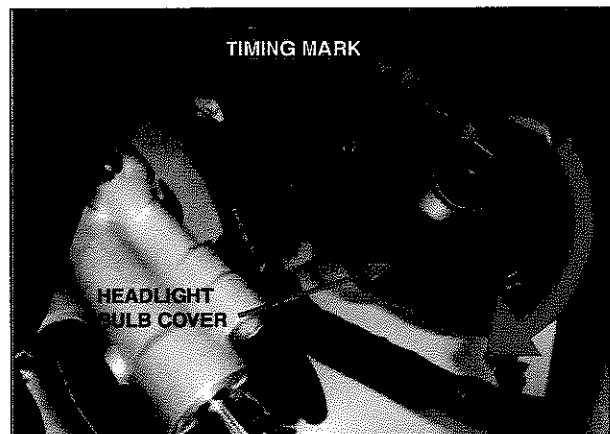
3. Install the right headlight bulb cover.  
Route the cover between the headlight assembly and the wire harness., then connect the headlight bulb coupler and solenoid coupler.



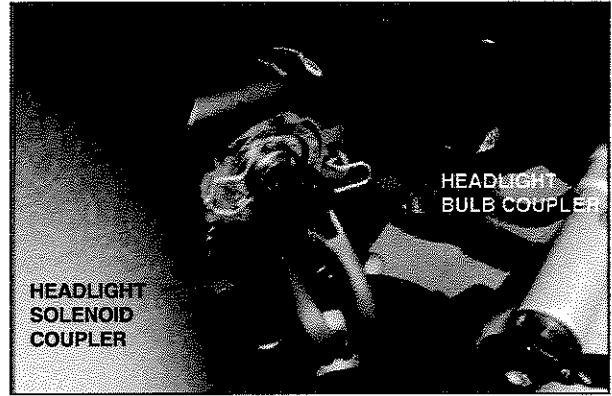
Check the routing of the right headlight wire lead as shown in the adjacent illustration.



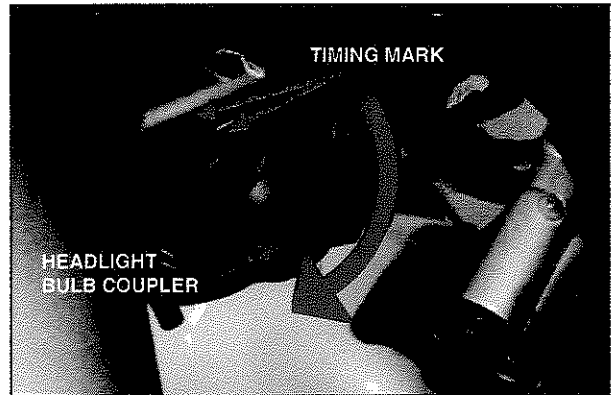
Turn the right headlight bulb cover clockwise to install, then line up the alignment marks on the headlight assembly and headlight bulb cover.



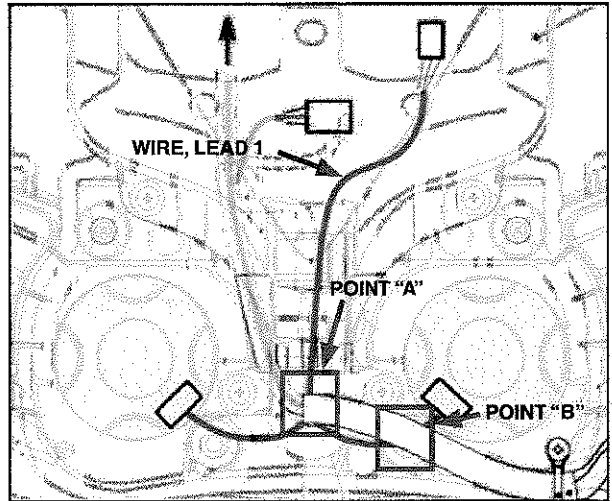
4. Install the left headlight bulb cover, then connect the headlight bulb coupler and solenoid coupler.



Turn the headlight bulb clockwise to install, then align the timing marks on the headlight assembly and headlight bulb cover.



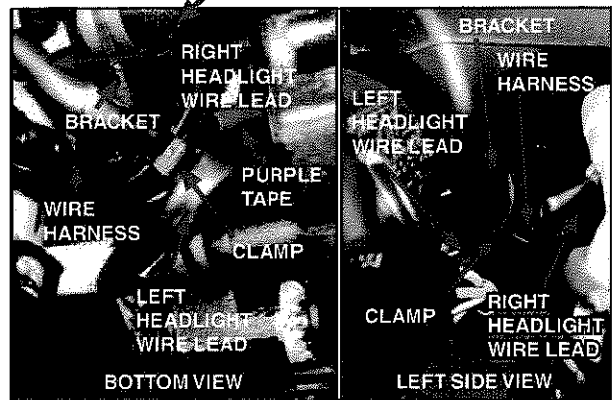
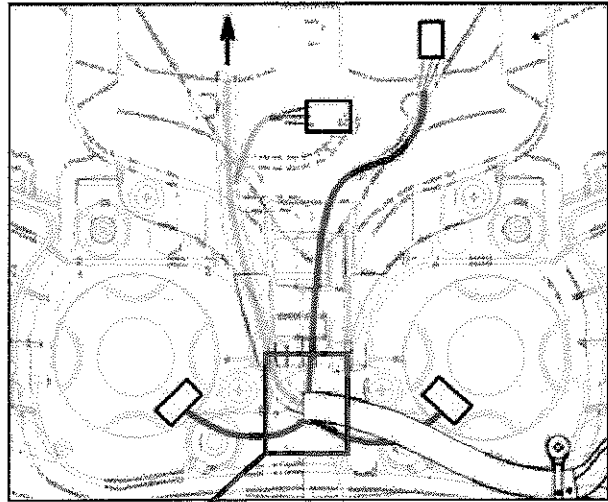
5. Check the routing of the sub-lead (Wire, Lead 1) at point "A" and "B" as shown in the adjacent illustration.



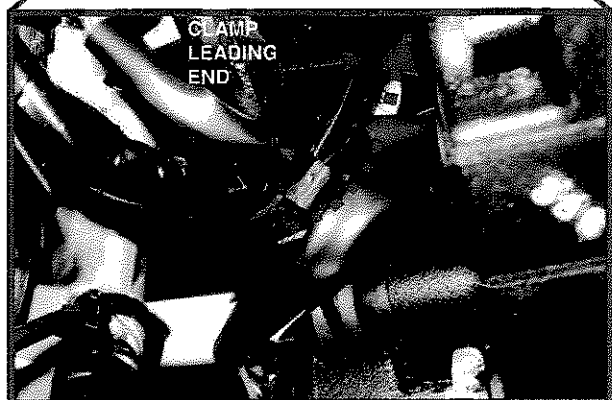
6. Connect the meter coupler.



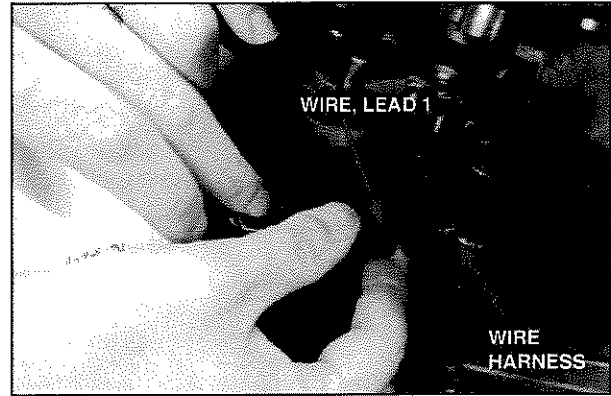
7. Using the original harness clamp (from Step 4 of the Removal Procedure), secure the right headlight lead and wire harness to the meter bracket at the purple bands where indicated in the adjacent photo.



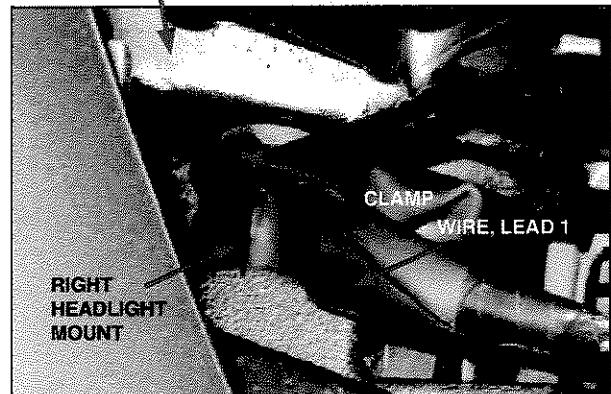
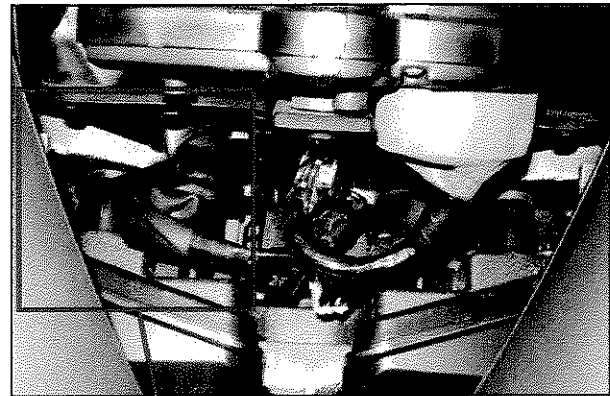
Route the leading end of the clamp upward.



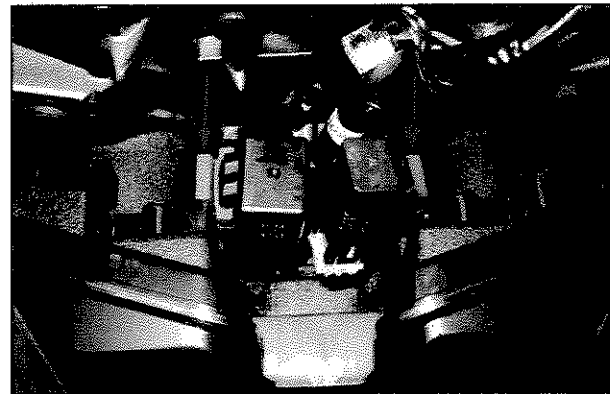
8. Connect the sub-lead (WIRE, LEAD 1) to the wire harness.



9. Using the new clamp from the parts kit, secure the sub-lead to the right side of the headlight assembly mount.



10. Return the turn signal and headlight relay holders to their original positions.
11. Reinstall the front cowling inner panels, windshield, and rear view mirrors.
12. Verify proper headlight operation.
13. When the modification is complete, put a punch mark above the VIN as described in Identification Procedure on page 19.

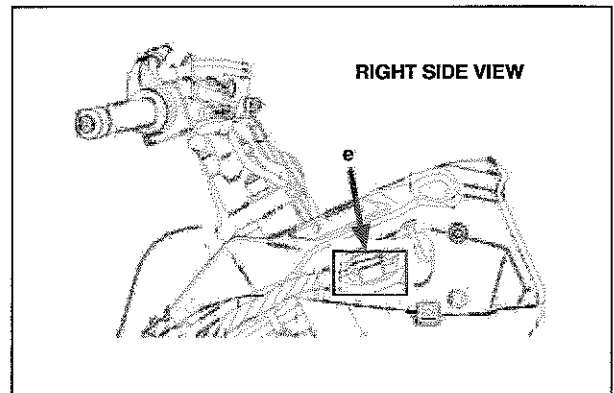
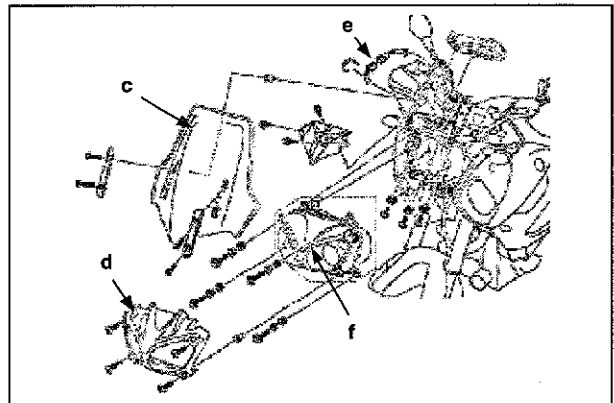
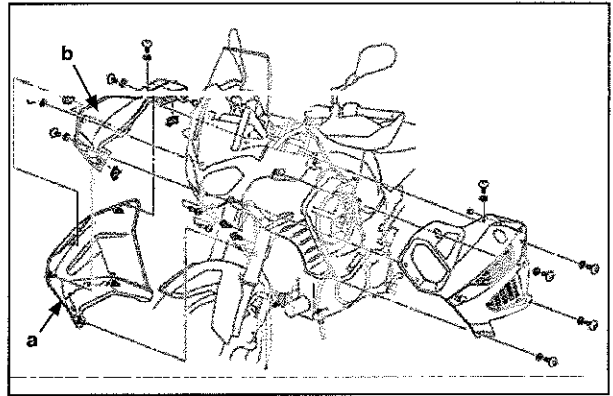


## Super Ténéré

### Remove the related parts to access to the headlight assembly

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-lead harness coupler "e." Coupler "e" is not clearly shown on adjacent drawing.
6. Remove the headlight assembly "f."

**NOTE:** Position of the headlight sub-lead harness coupler "e" (see adjacent illustration).



### Replace the headlight sub-lead

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.

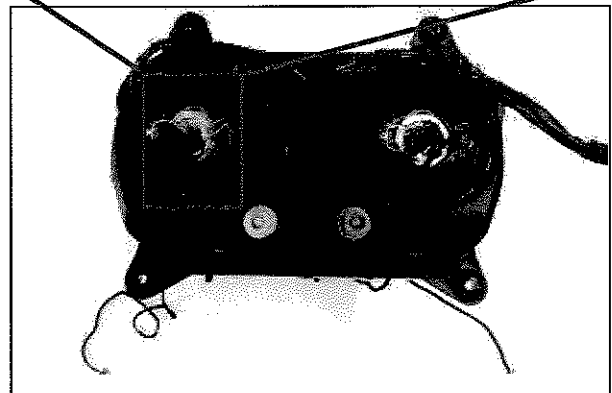
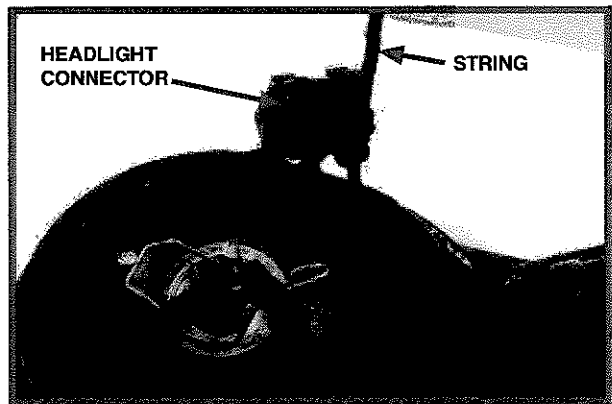
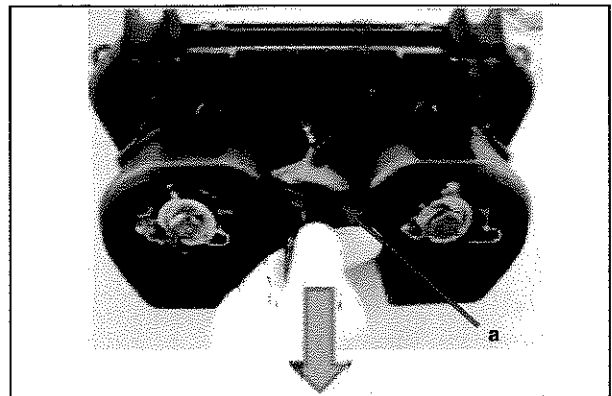
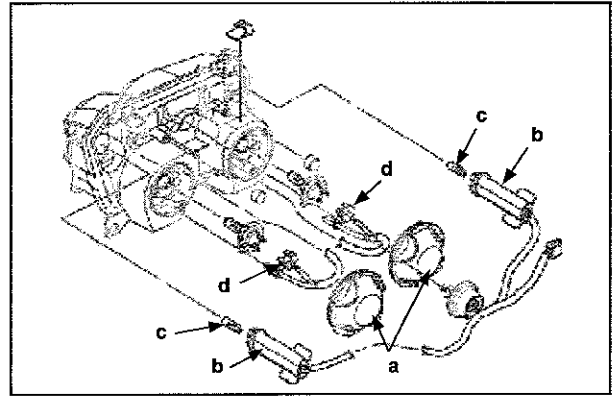
#### **NOTICE:**

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 headlight sub-lead (cord assembly) "a."

#### **TIP:**

Before removing the sub-lead, tie a string to the sub-lead in order to easily install the new sub-lead. After removing the sub-lead, remove the string and tie it to the sub-lead headlight connectors. Then, install the sub-lead by pulling the string.

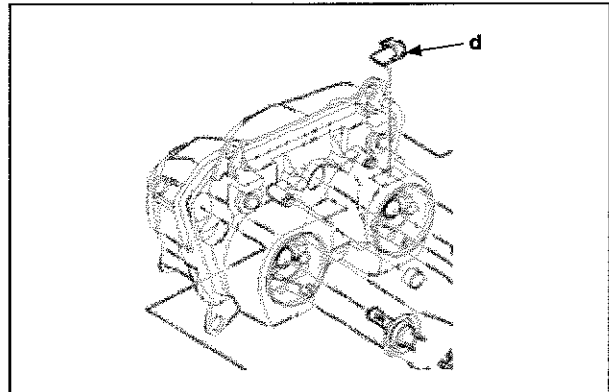
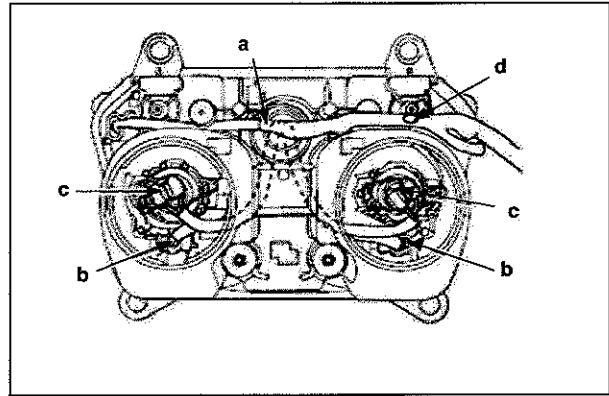


**Install the new headlight sub-lead (cord assembly)**

1. Install the headlight sub-lead harness "a."
2. Connect the headlight solenoid coupler "b."
3. Connect the headlight coupler "c."
4. Clamp the wire harness "d."

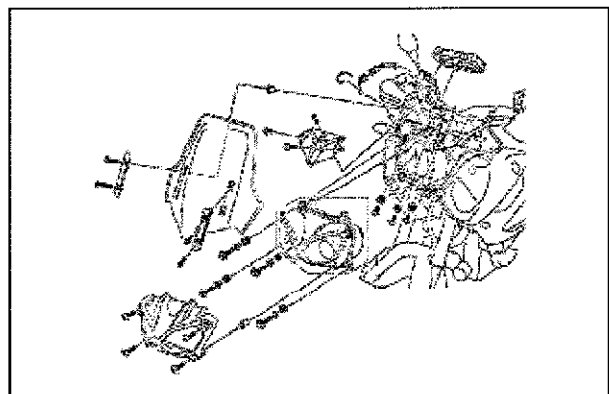
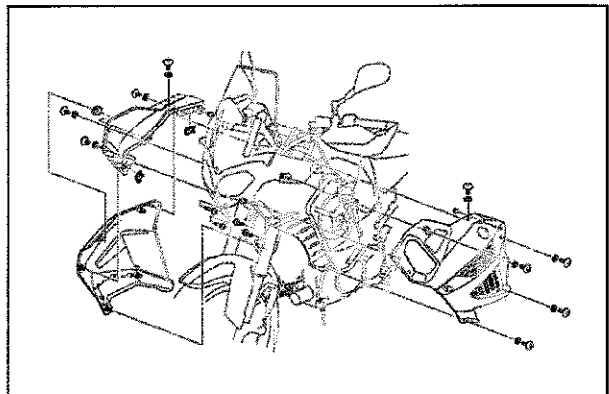
**TIP:**

If the clamp is broken, replace it with the new one in the parts kit.



**Reassemble the unit**

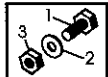
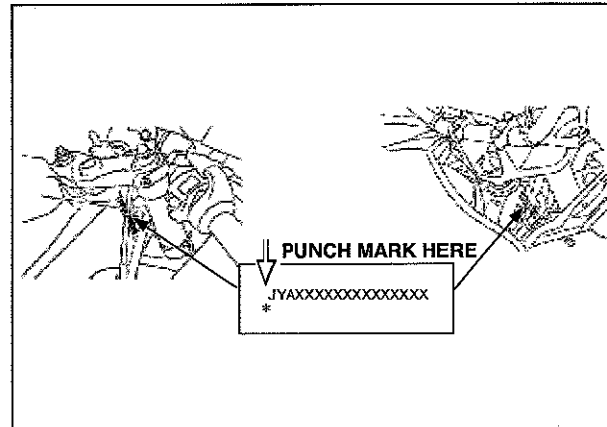
1. Install the right side cowlings.
2. Install the windshield and headlight assembly.
3. Verify proper headlight operation.
4. When the modification is complete, put a punch mark above the VIN as described in Identification Procedure below.





## IDENTIFICATION PROCEDURE

After modifying a unit, make a punch mark below 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

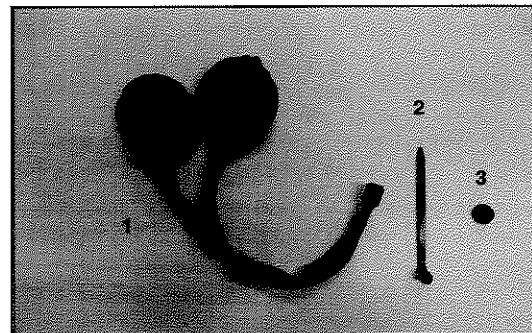
Order a kit for each affected unit.

Model	Part Number	Description	Qty.	Dealer Cost
YZF-R1	90891-30084-00	YZF-R1 Headlight Sub-lead Kit	1	\$20.78
XTZ1200	90891-30085-00	XTZ1200 Headlight Sub-lead Kit	1	\$22.98

Kit Parts Contents:

### YZF-R1 (90891-30084-00):

Number	Part Name	Part Number	Qty.
1	Wire, Lead 1	14B-84148-09	1
2	Clamp	90464-13073	1
3	Grommet	14B-84762-09	1



### XTZ1200 (90891-30085-00):

Number	Part Name	Part Number	Qty.
1	Cord, Assembly	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 affected 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 990084. The labor allowance is **0.6 hour**.

### YDS:

When signed onto YDS, click on the Service Tab, and then "Recall Request-Add." This function will allow you to enter multiple Primary IDs for the same recall. Remember, 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.

Dealer Number		Dealer Name																												
<table border="1"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>								_____																						
Recal Number		Primary I.D.				Date Completed				Status																				
9	9	0	0	8	4	R	N	2	3	Y	-	0	0	0	0	X	X	X	0	3	-	1	2	-	2	0	1	4	M	I
											-																		M	I
																													M	I

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).