

2008-2016 Yamaha YZF R6 Full LED Projection Head Light

Quick Install Guide

For full step-by-step comprehensive installation guide please visit our YouTube channel:

www.youtube.com/motodynamic

or by visiting this link:

<https://www.youtube.com/watch?v=ywK8kermjNg>

Parts List:

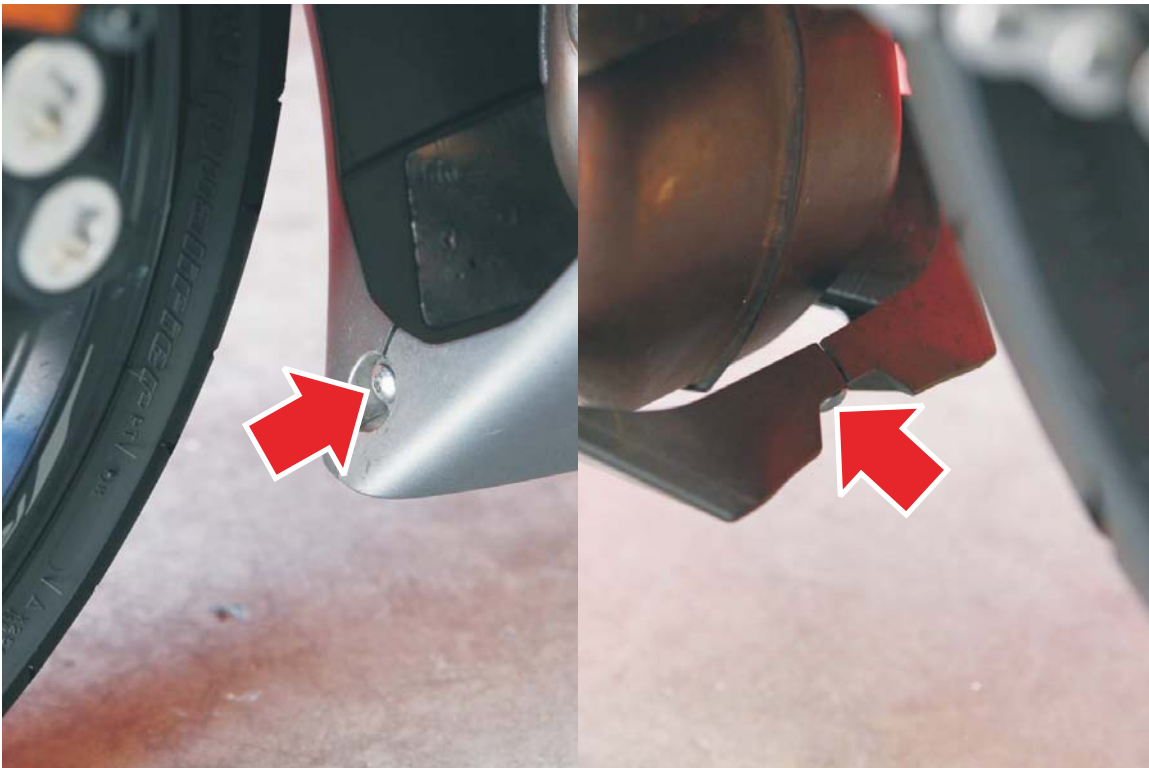
x1 LED projection head light assembly
x1 main harness
x2 front turn signal splitter harness
x6 cable ties

Tools used for this installation:

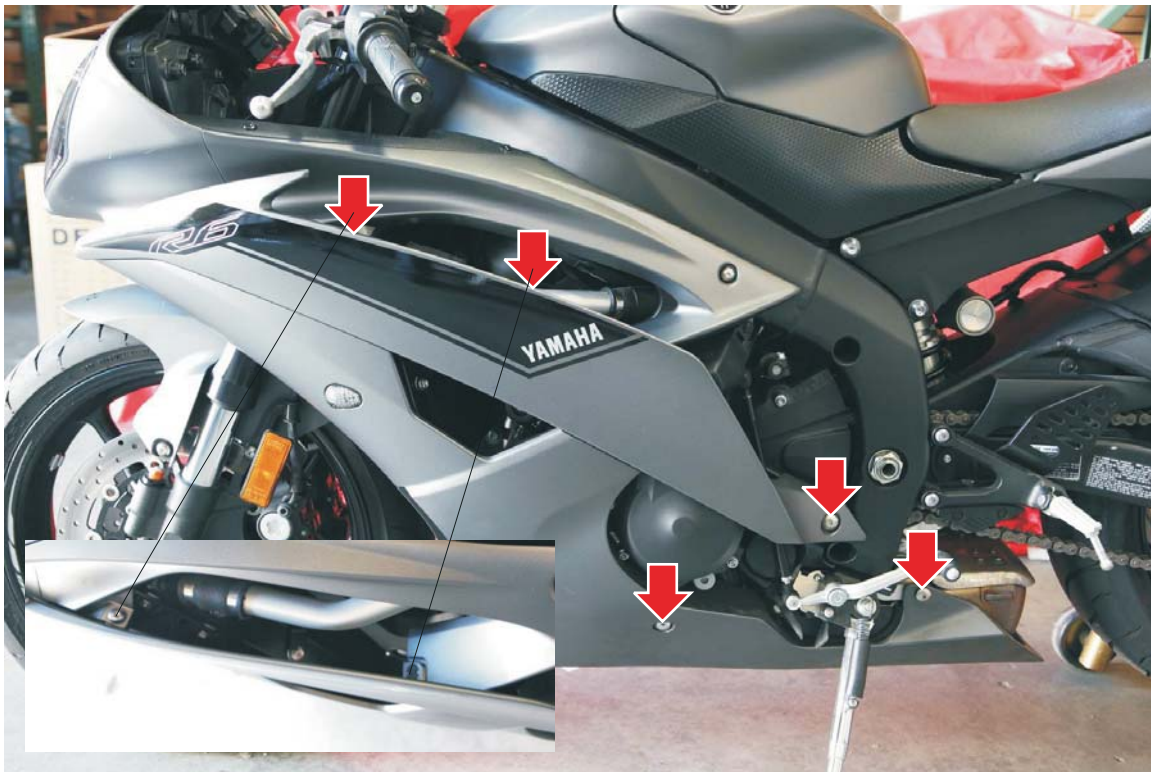
Stubby Philips screwdriver
Stubby flat screwdriver
Small thin flat screwdriver
Ratchet
Short ratchet extension
10mm socket
4mm hex (allen) bit

Using a rear bike stand is not required however it allows for easier removal of the lower left side fairing due to kick stand obstruction

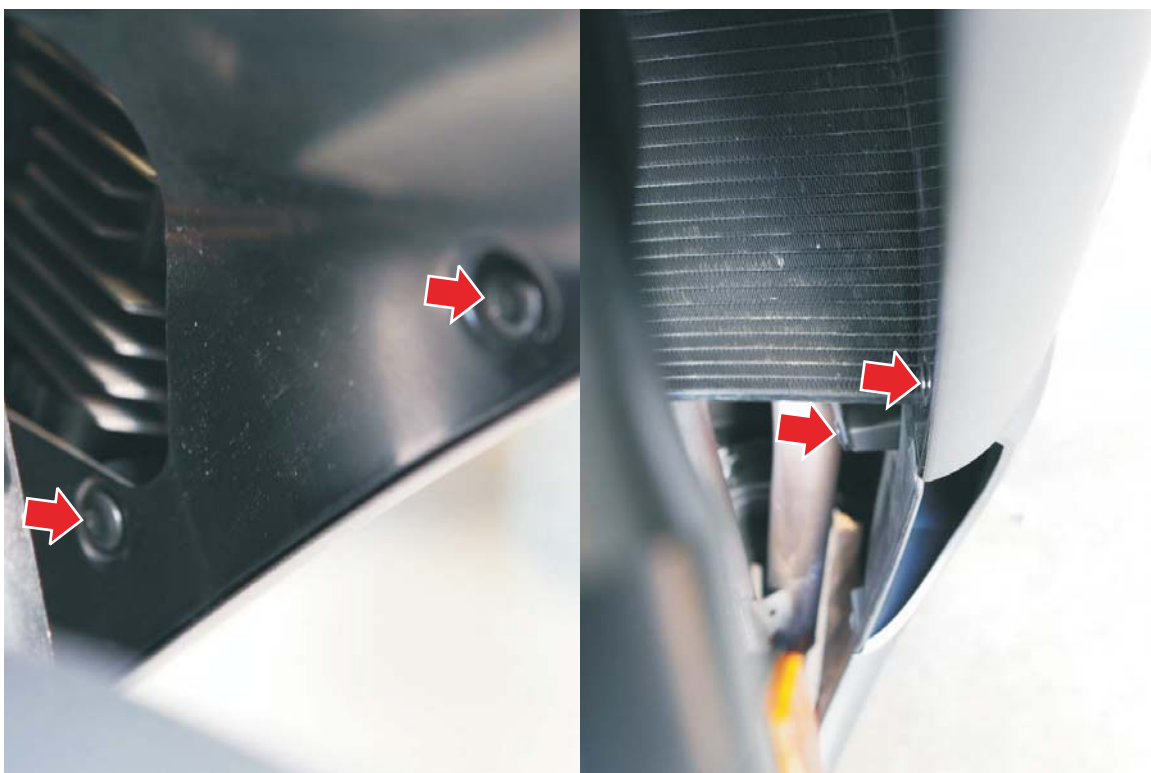
1. Remove 1 bolt on the lower front and 1 bolt on the lower rear fairing using a 4mm allen tool



2. Removing the left side lower fairing. 4 allen bolts and 1 plastic rivet, continue next step



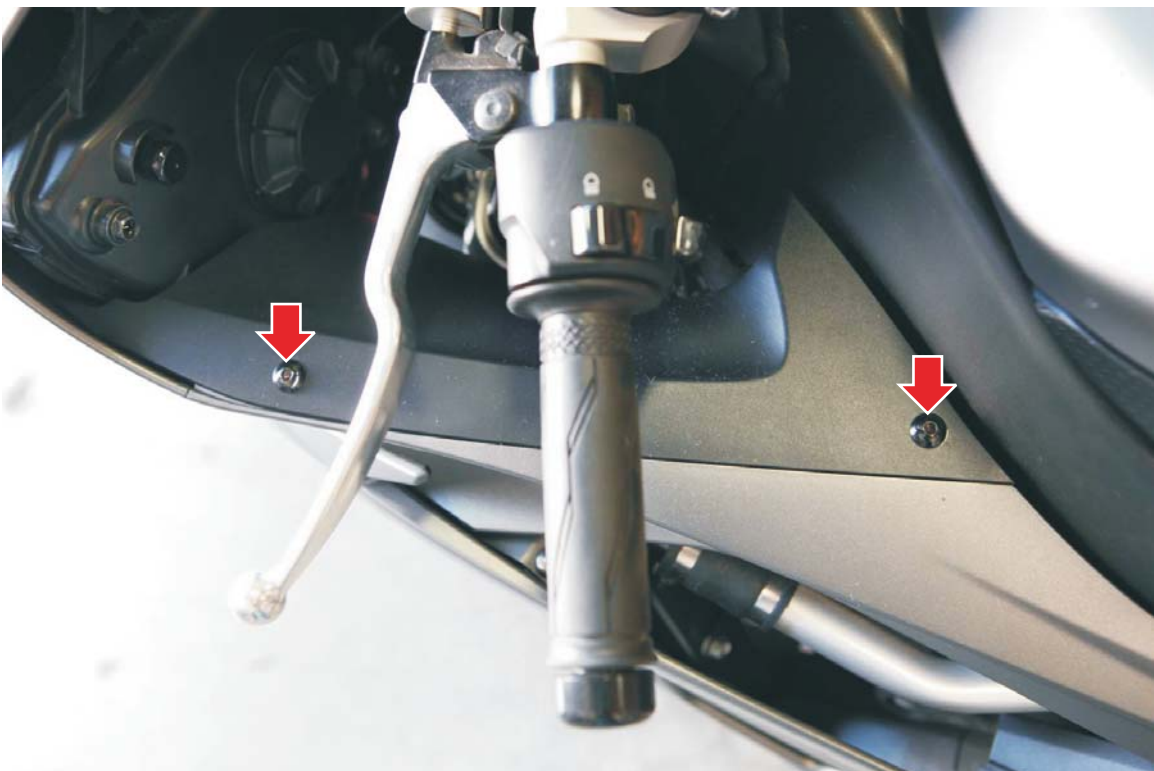
3. Loosen left side wheel well plastic panel from fairing. 4 plastic rivets, continue next step



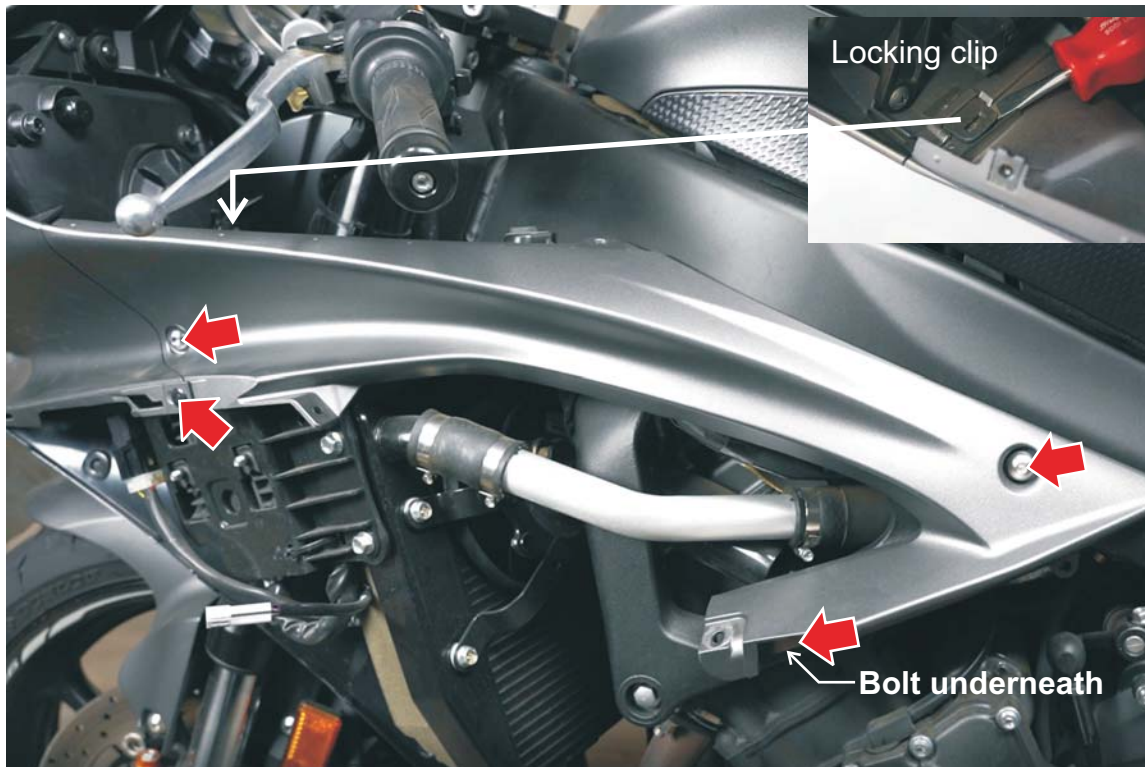
4. Support the lower fairing, then remove the 1 plastic rivet. Fairing will drop down slightly. To completely remove slide fairing forward, then out to unhook the 2 plastic clips that locks it to the upper fairing. Next unplug the left turn signal.



5. Remove black panel above the upper fairing. 2 black bolts using 4mm allen tool. Then carefully lift upwards to remove.



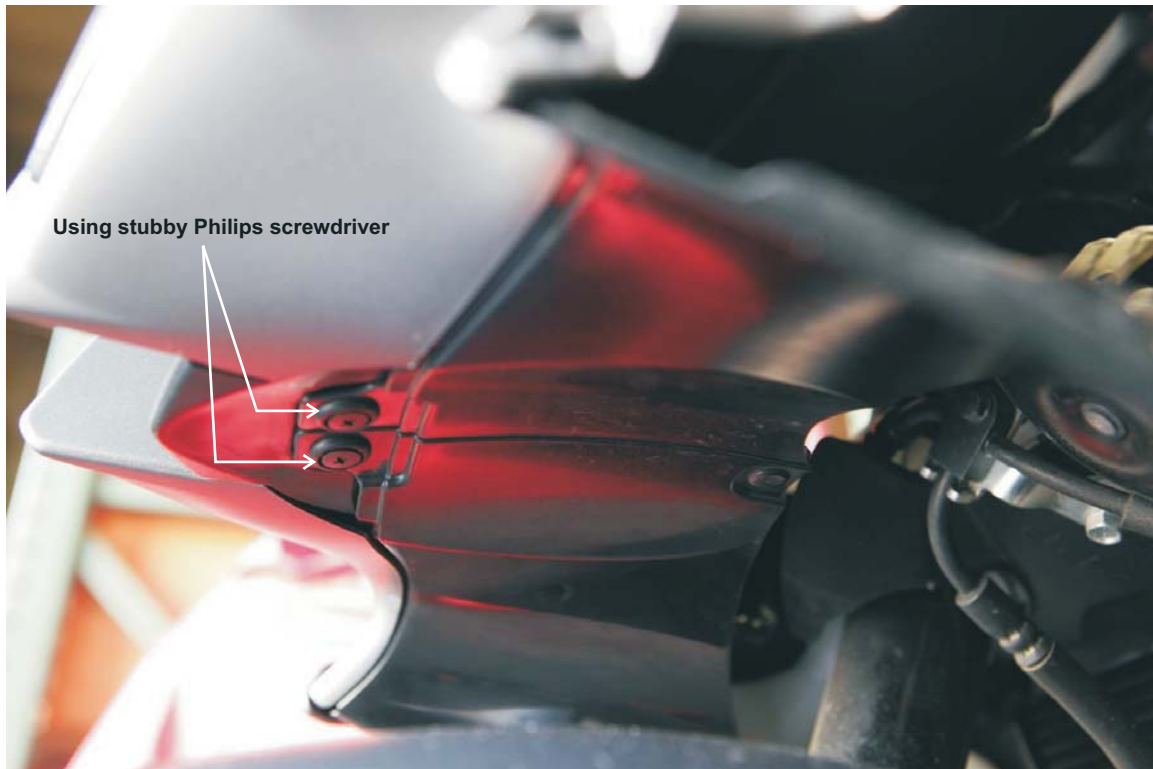
6. Remove the upper fairing. 3 bolts using 4mm allen tool, then 1 plastic rivet. Unhook the locking clip with flat head screw driver, then slide rearwards to remove.



7. Repeat steps 2-6 on the right side of bike to remove lower fairing and upper fairing. Minor differences: Lower fairing held on by 1 less bolt and the rearward most bolt is attached to the L bracket. Wheel well under panel has 1 less rivet. Undo cable clamp for upper right fairing.



8. Remove the wheel well under panel. 2 plastic rivets



9. Remove both side mirrors. 2 nuts using 10mm socket and 1 plastic rivet. Note: 2 metal collars may fall out when mirror is removed, make sure to catch and retain for reinstall later.



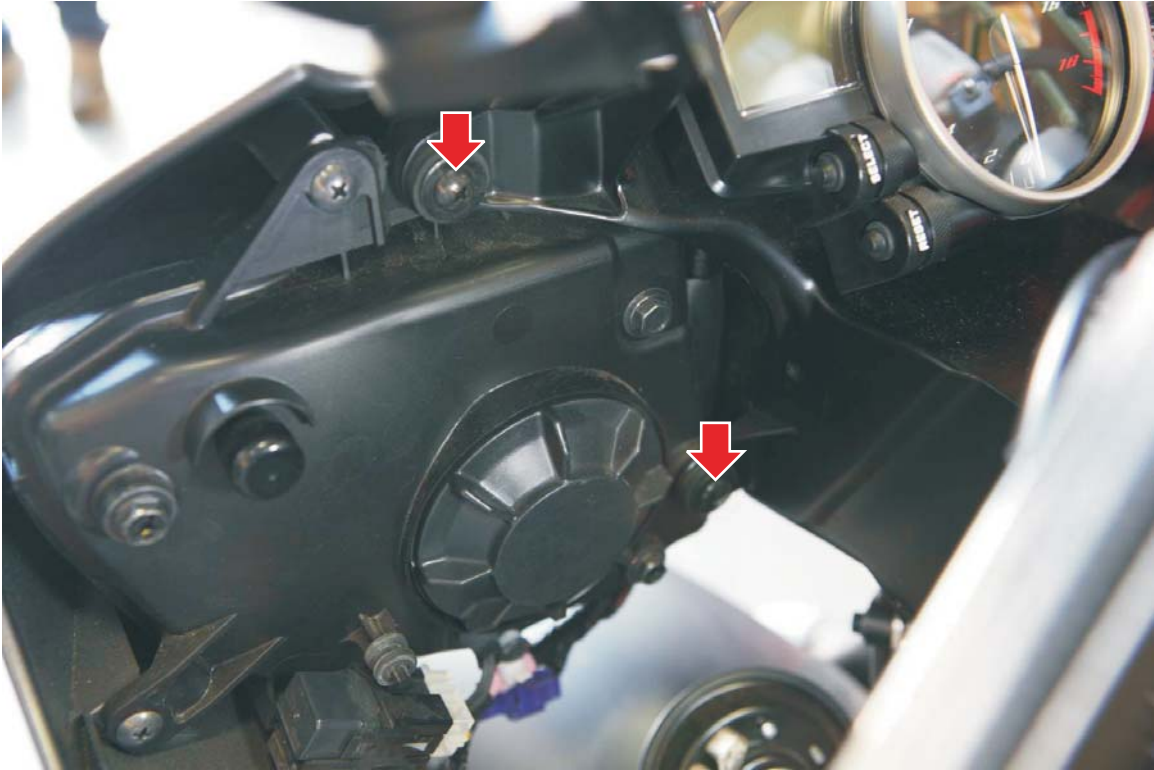
10. Remove windscreen. 4 plastic screws then lift up and back.



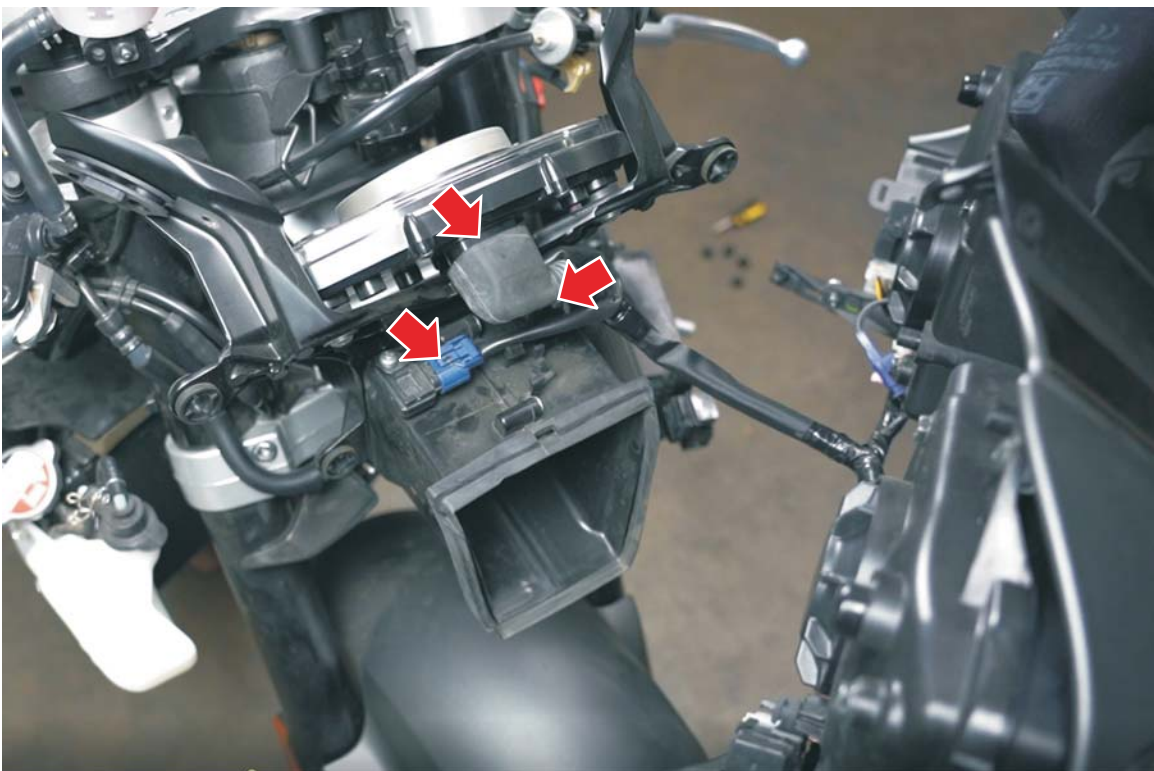
11. On right side of bike, unplug the white, beige and black plugs. Black plug is locked to frame, use small screwdriver tool to unhook.



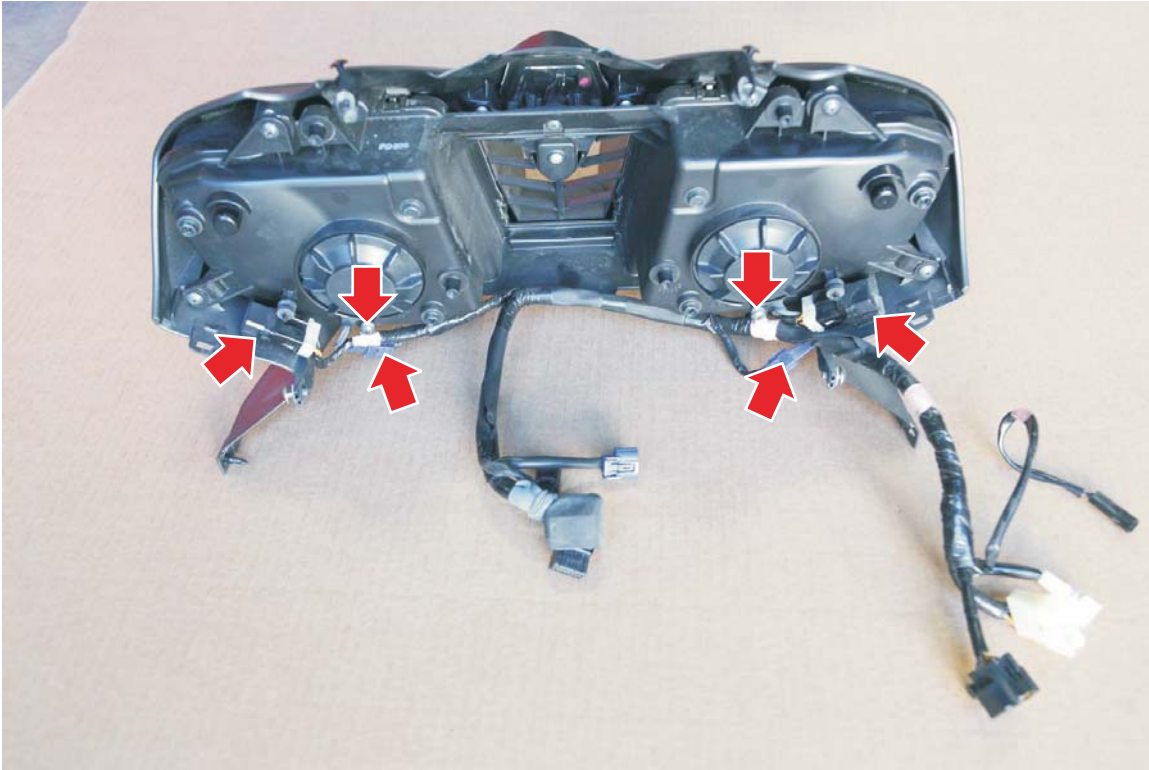
12. Remove head light/cowl assembly from the front subframe. 4 screws - 2 on each side - support head light after last screw. Head light will slide forward for removal, however will still be attached to bike by harness - see next step.



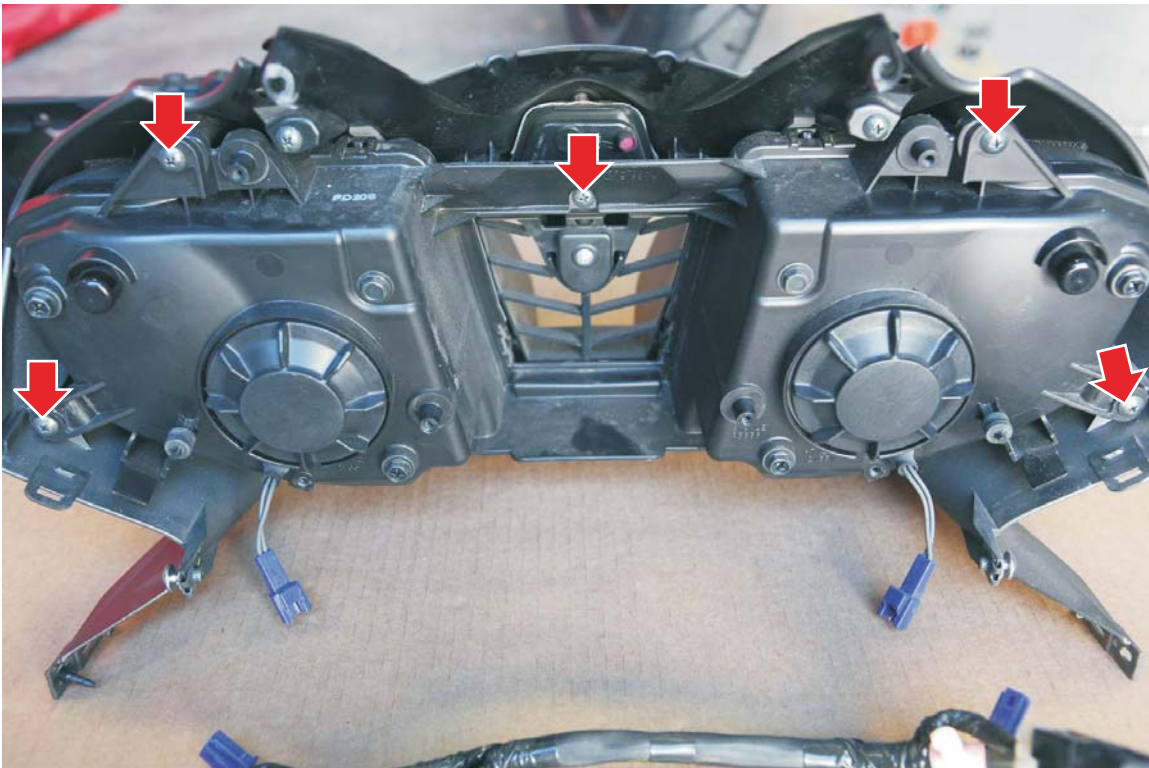
13. Unplug 1 plug behind the dash, and 2 plugs for the air inlet sensors



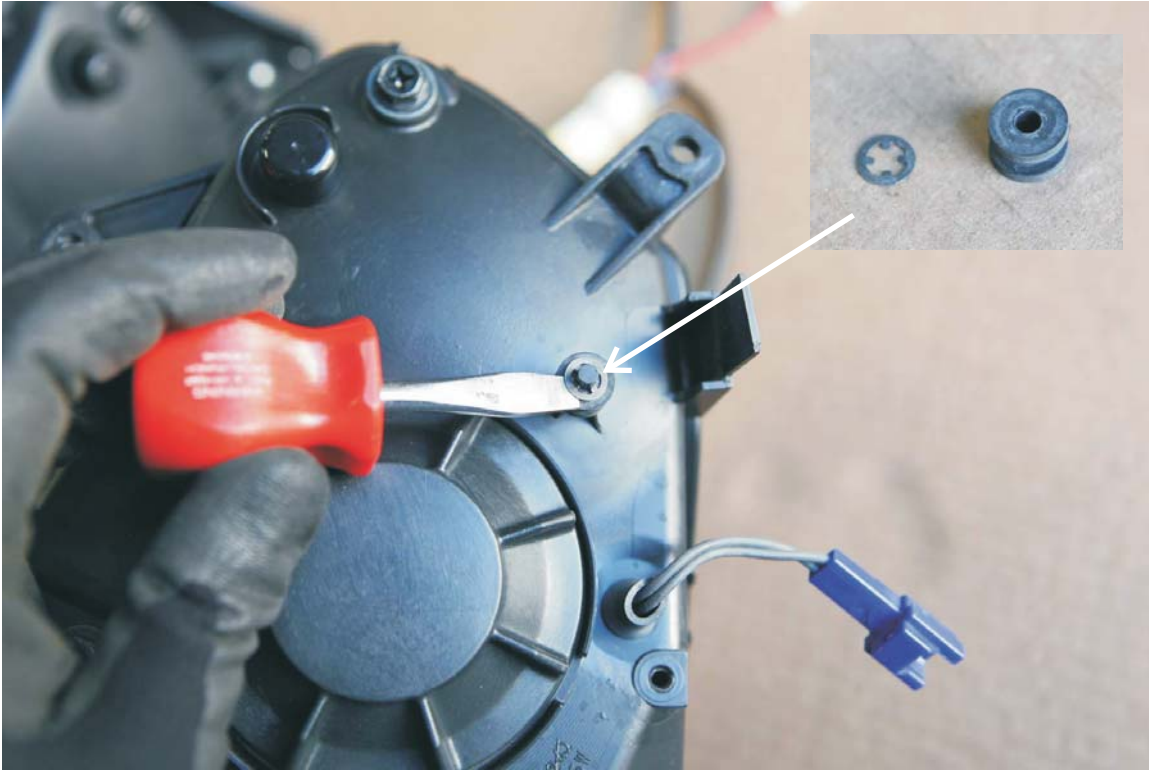
14. Remove harness from head light assembly. 2 screws, then unhook the 2 relays and unplug the low and high beam blue connectors.



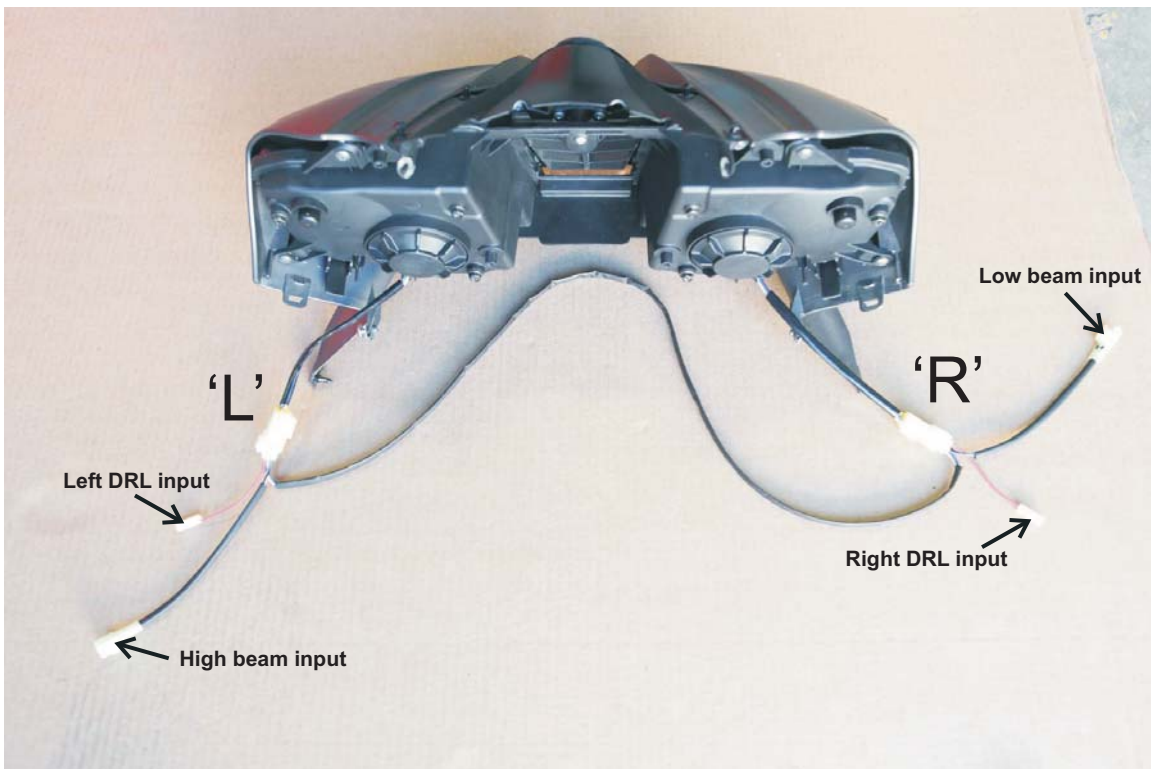
15. Separate the head light assembly from the cowl. 5 screws then pull back to remove.



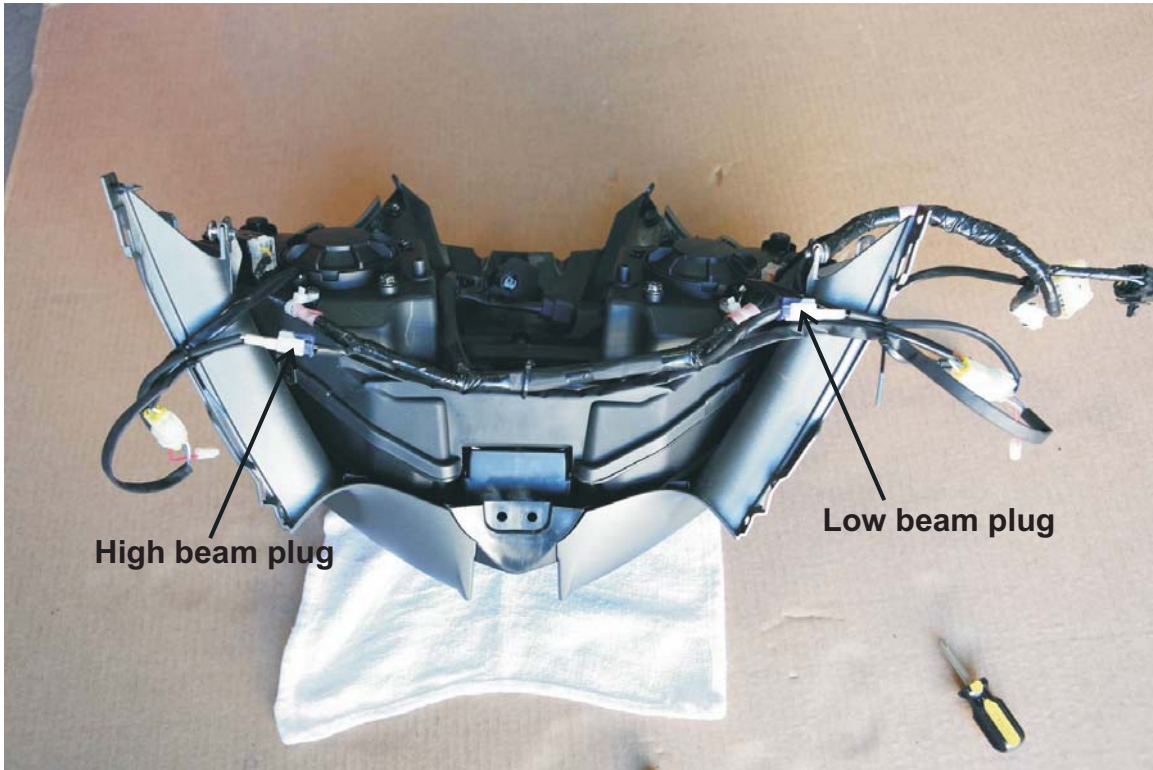
16. Remove the 2 rubber bushings from the factory headlight and transfer it over to the new LED head light.



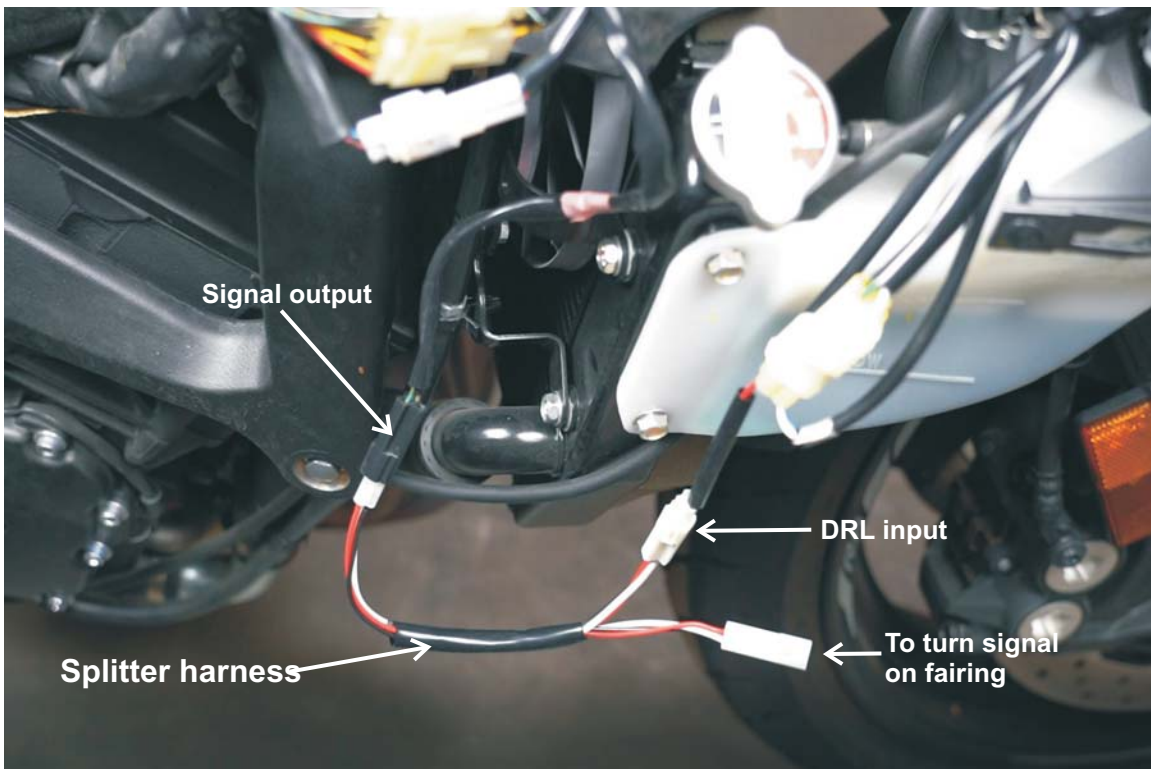
17. Install the LED head light into the factory cowl and re-install the 2 rubber bushings. Using the supplied main harness and plug it into the LED head light, making sure to match the RIGHT side to the right and LEFT side to the left head light plugs. Harness is marked 'R' and 'L'.



18. Attach the factory harness removed from Step 14 to the LED head light, then connect the low and high beam plugs. Secure the main harness to the factory harness using the cable ties.



19. Mount the head light/cowl assembly back into the bike in reverse order. Connect back all plugs from Step 11 & 13. Locate the left and right side signal output wires and connect the splitter harness. Output 1 of the splitter harness will connect the DRL input and Output 2 of the splitter harness will connect back to the left/right signals on the fairing. Tidy up harnesses with cable ties. Repeat on other side.



20. Start up bike and verify all the functions before continuing. Then, re-install wheel well under panel, upper left/right fairings, and lower left/right fairings by reversing the steps.



Beam leveling adjustments. Head light is factory calibrated for average weighted rider, however can be adjusted. For up/down leveling turn the lower inner screw. For left/right leveling turn the upper outer screw. Tool needed: 10mm socket or Philips screwdriver. Repeat same adjustments on other side. If screw stops turning, that is the maximum adjustment do not force it.

