

2013-2017 Kawasaki Ninja 300 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://youtu.be/XipqOE_uzMQ

Parts List:

x1 LED projection head light assembly

x1 sub-harness

x8 cable ties

Tools used for this installation:

4mm and 5mm allen (hex) tool

8mm and 10mm socket with ratchet

Standard Philips screwdriver

Flathead screwdriver

Small/thin flathead screwdriver

Wire cutter (to cut cable ties)

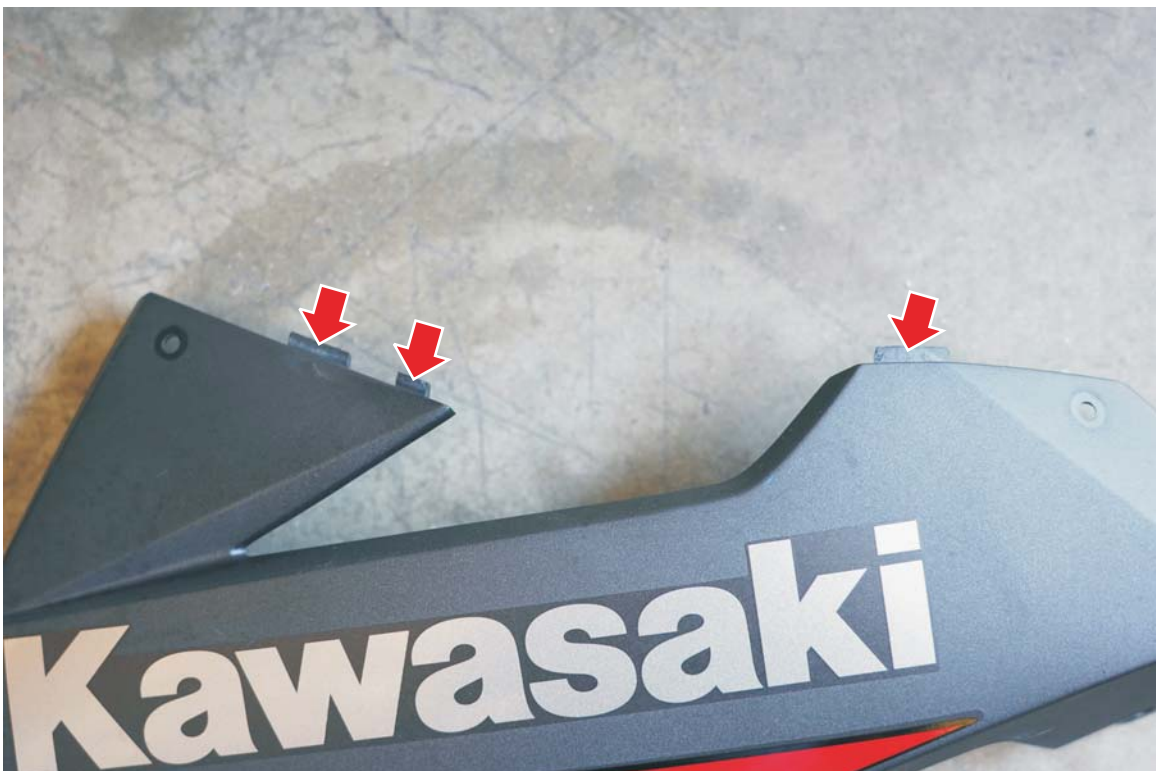
1. Remove lower side fairing. Remove center forward and lower bottom plastic fasteners using a flathead screwdriver that holds the 2 lower fairings together. Then two 4mm allen bolts and one 5mm allen bolt per side. 5mm bolts have a shouldered washer. There are 3 tabs that interface with the painted section of the fairing. Repeat on other side.



Step 1 continued - two 4mm allen bolts and one 5mm allen bolt



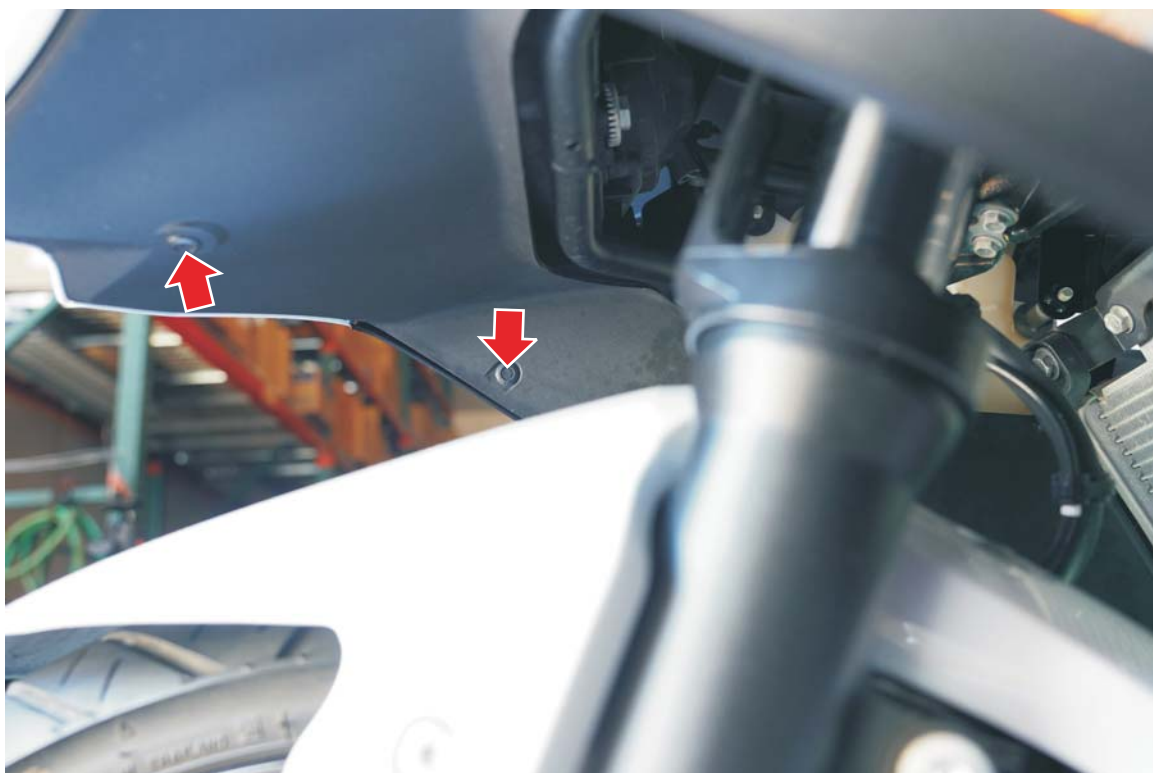
Step1 continued - 3 tabs that interface with the painted section of fairing



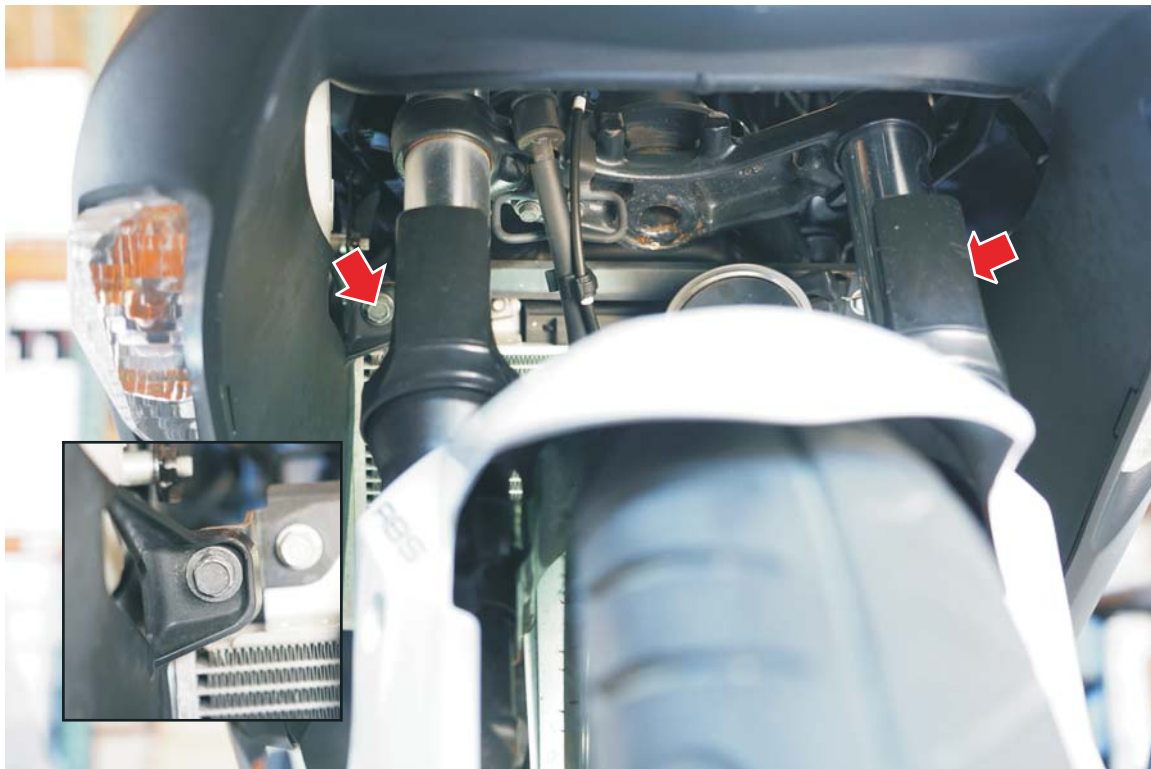
2. Remove center wheel well panel. 3 plastic fasteners per side, 1 plastic fastener at the upper middle and 1 bolt on each side using a 10mm socket. Release the several tabs on each side and pull forward to remove



Step 2 continued - forward and middle upper plastic fastener



Step 2 continued - 1 bolt each side using 10mm socket



Step 2 continued - several tabs to unclip to release the center wheel well panel



3. Remove painted side panel. 1 bolt using 4mm allen and pull towards you to remove, it is held on by 4 friction fasteners. Repeat other side



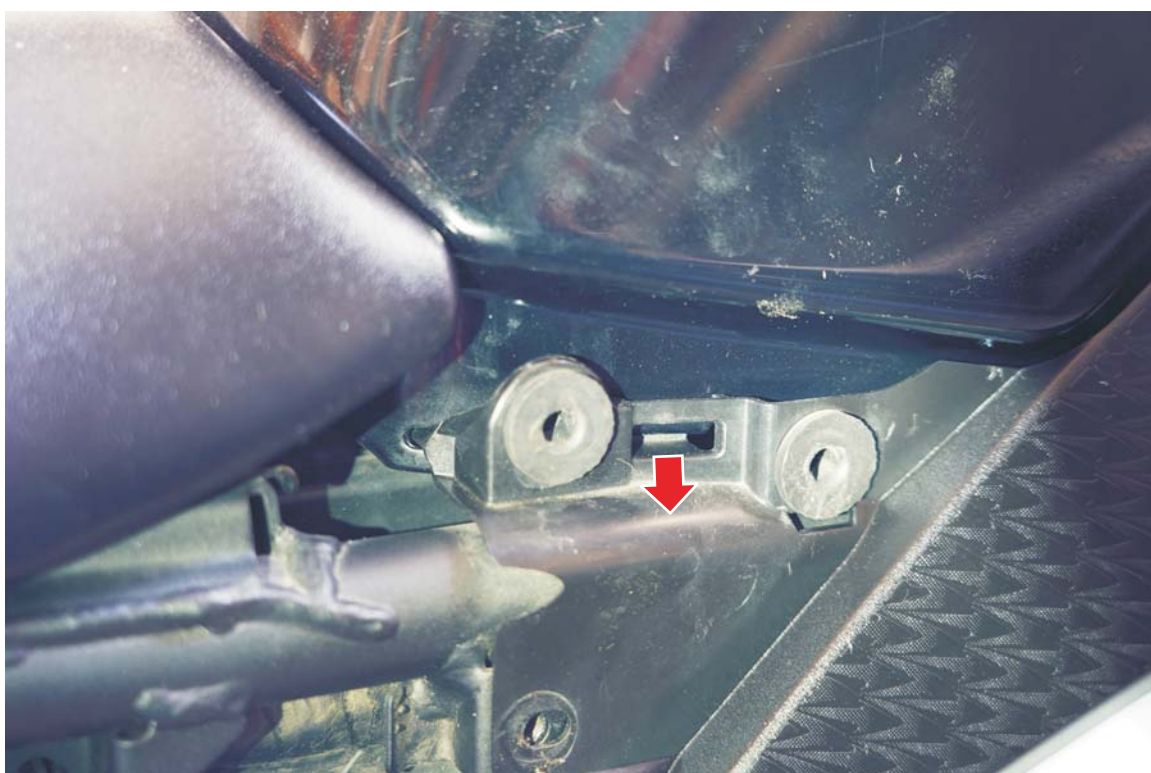
Step 3 continued - 4 friction fasteners shown below



4. Remove long/thin plastic panel that runs up the side of the gas tank. 1 phillips screw near and below the seat and 1 bolt up top right below the handle bars using 4mm allen. Push down the rearmost end to clear the locking tab catch on the tank, then outwards and upwards to release the 3 friction fasteners. Repeat other side



Step 4 continued - push down to clear the catch from the tank



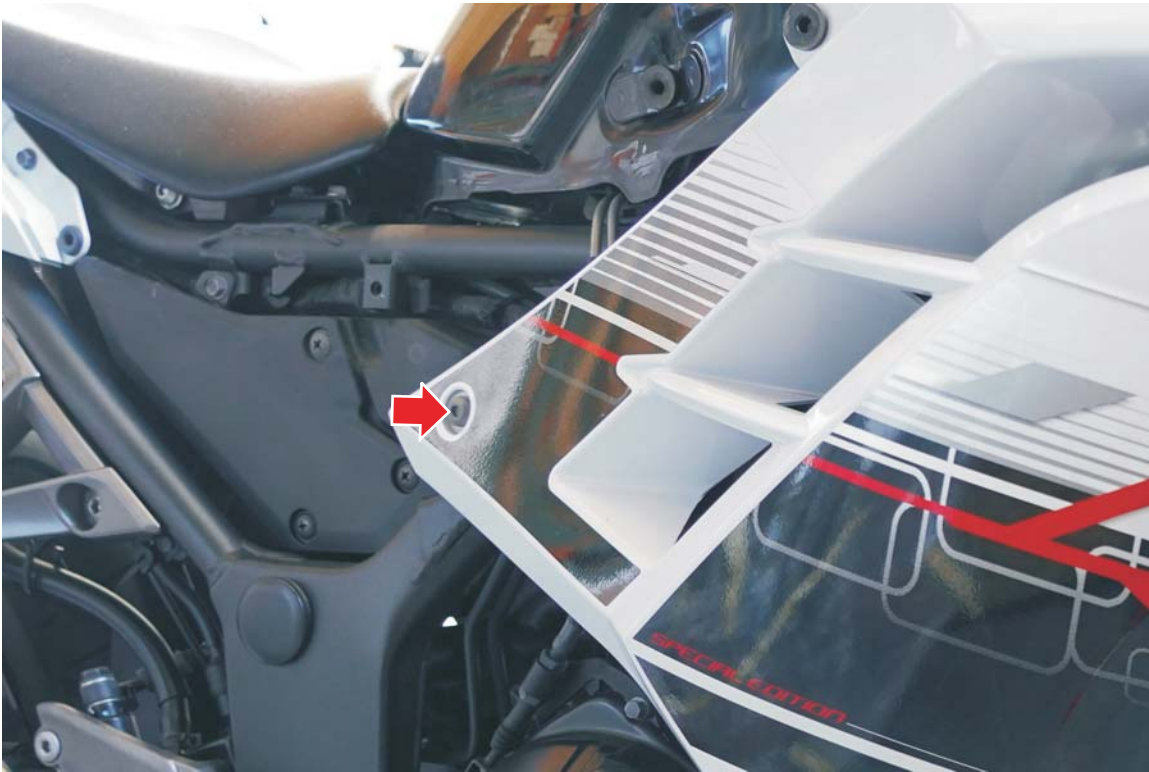
Step 4 continued - 3 friction fasteners shown below



5. Remove upper side fairing assembly. 1 bolt right up front below head light using 4mm allen. 1 bolt at the rearmost fairing 5mm allen, this bolt has a shouldered washer. 1 bolt at the lower (8mm socket) and uppermost (10mm socket) of the fairing. Support fairing on the last bolt. Carefully remove the fairing, un-clipping the 4 locking tabs and 1 plastic fastener in the area below the handle bar. Unplug turn signal. Repeat other side.



Step 5 continued - 1 bolt at the rearmost fairing using 5mm allen tool



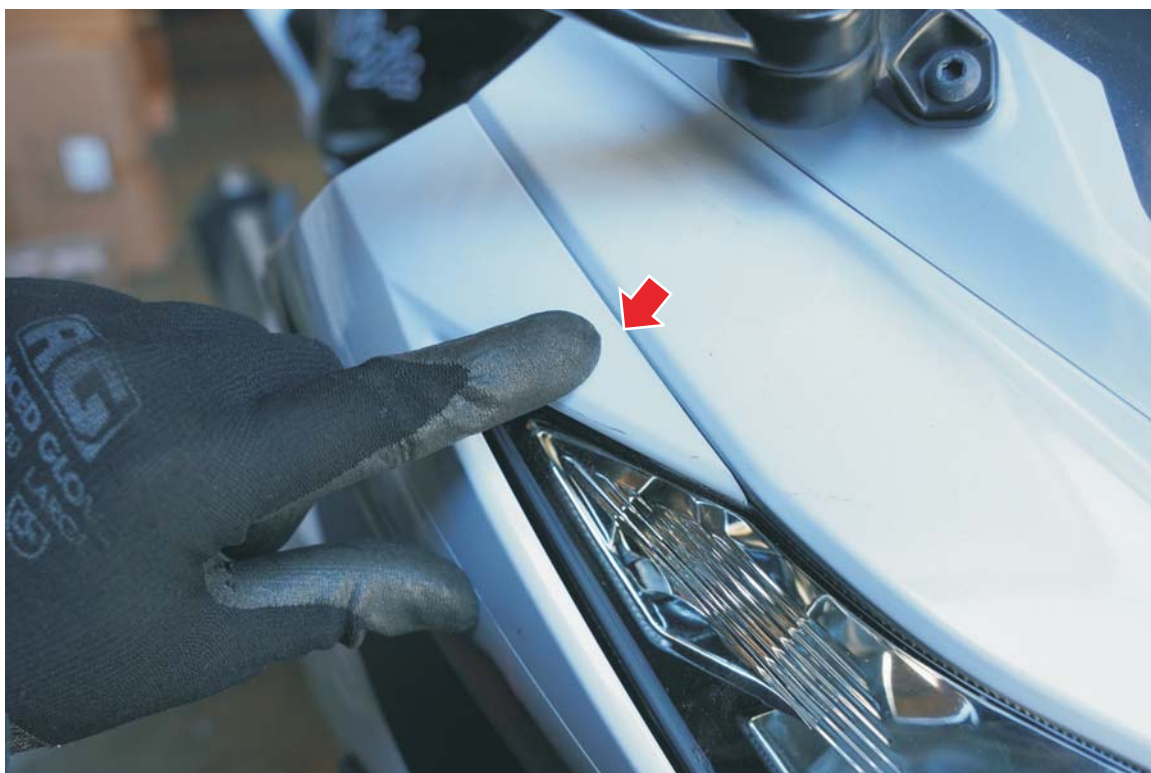
Step 5 continued - 2 bolts: upper using 10mm socket and lower using 8mm socket



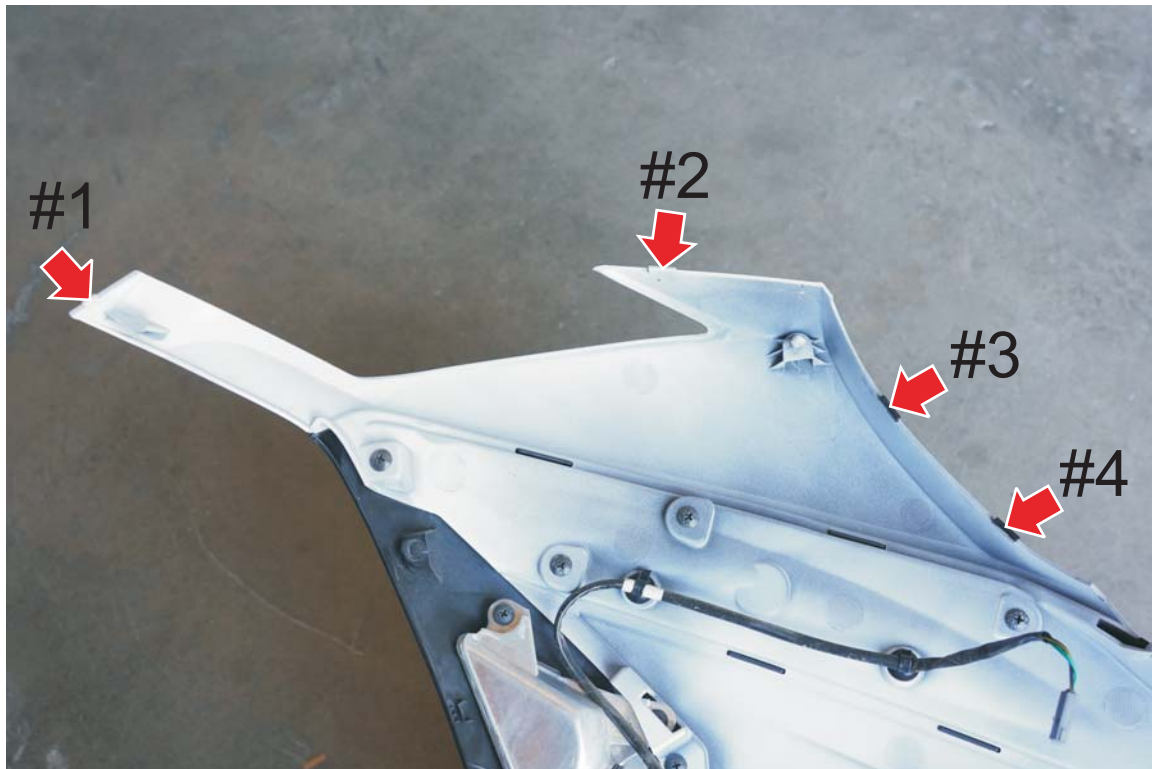
Step 5 continued - undo locking tab #1



Step 5 continued - undo locking tab #2



Step 5 continued - showing under view of locking tabs #1, #2, #3 and #4



Step 5 continued - 1 plastic fastener



Step 5 continued - unplug turn signal



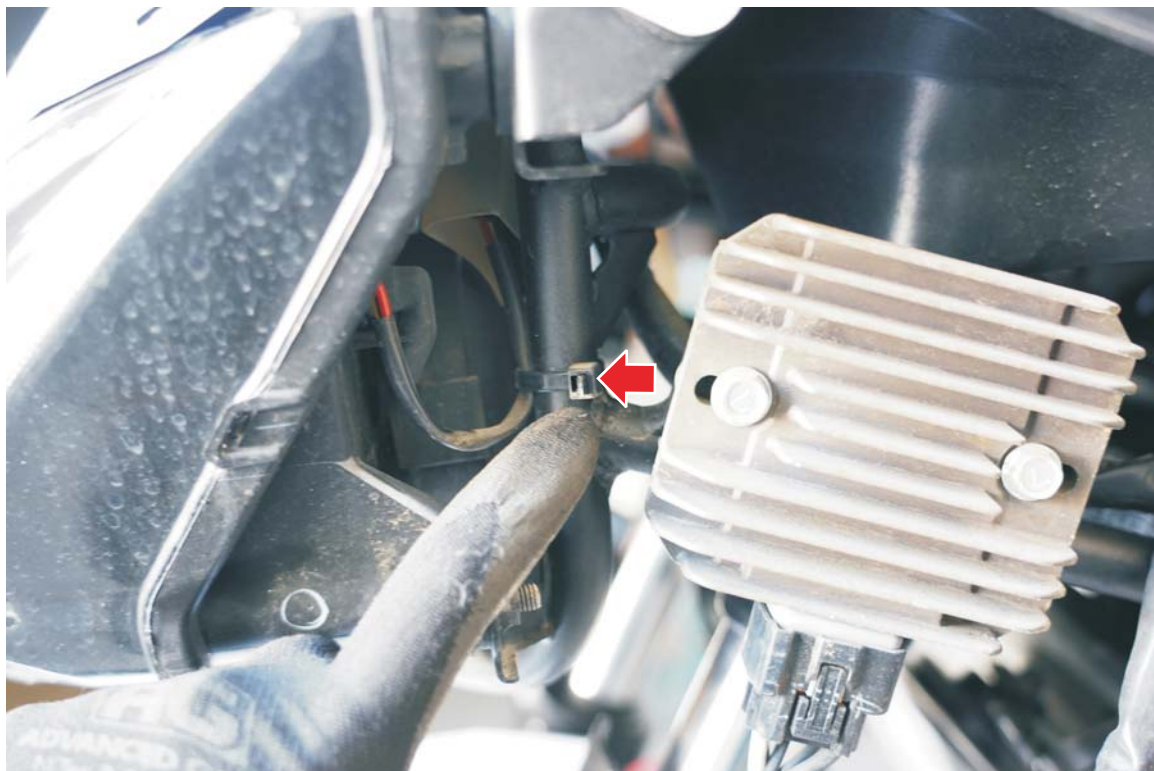
6. Remove mirrors and windscreen. 4 bolts using 4mm allen



7. Remove nose fairing/headlamp assembly. Cut both the cables ties securing the low and high beam /DRL harness to the head light sub-frame. Remove 2 bolts on each side using 10mm socket, 1 on the upper side and 1 on the lower bottom.



Step 7 continued - cut factory cable tie



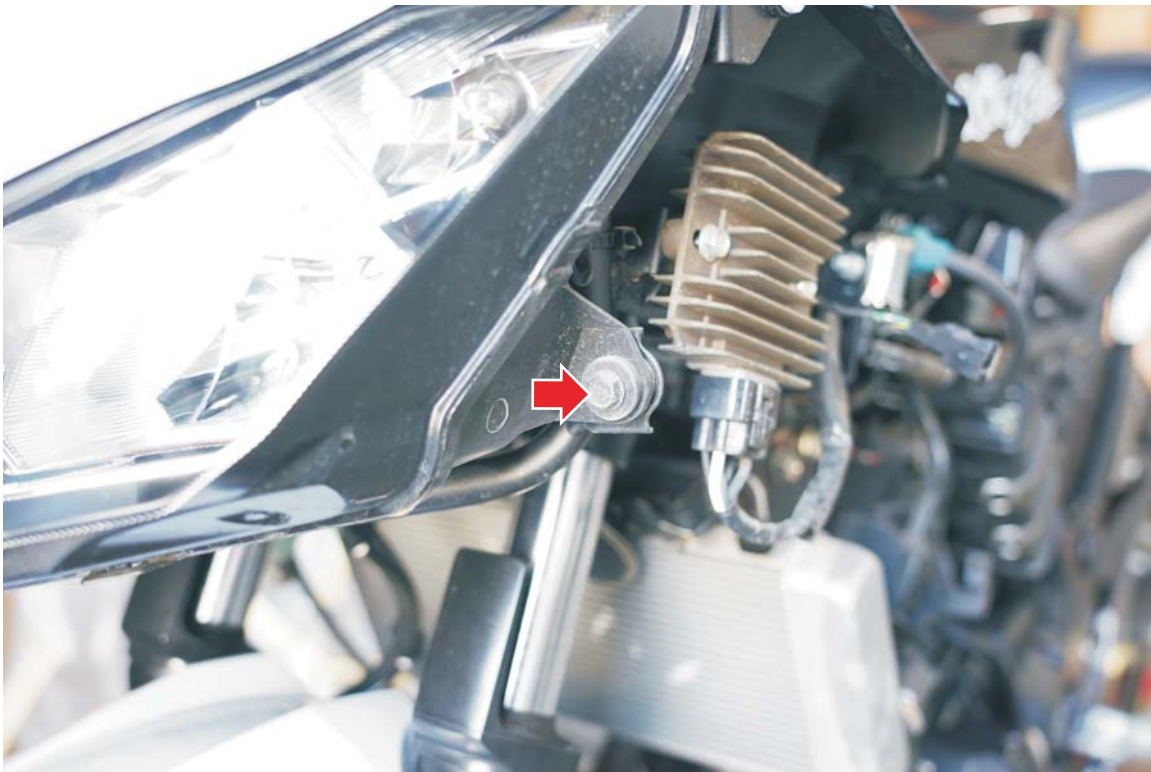
Step 7 continued - 1 bolt upper left using 10mm socket



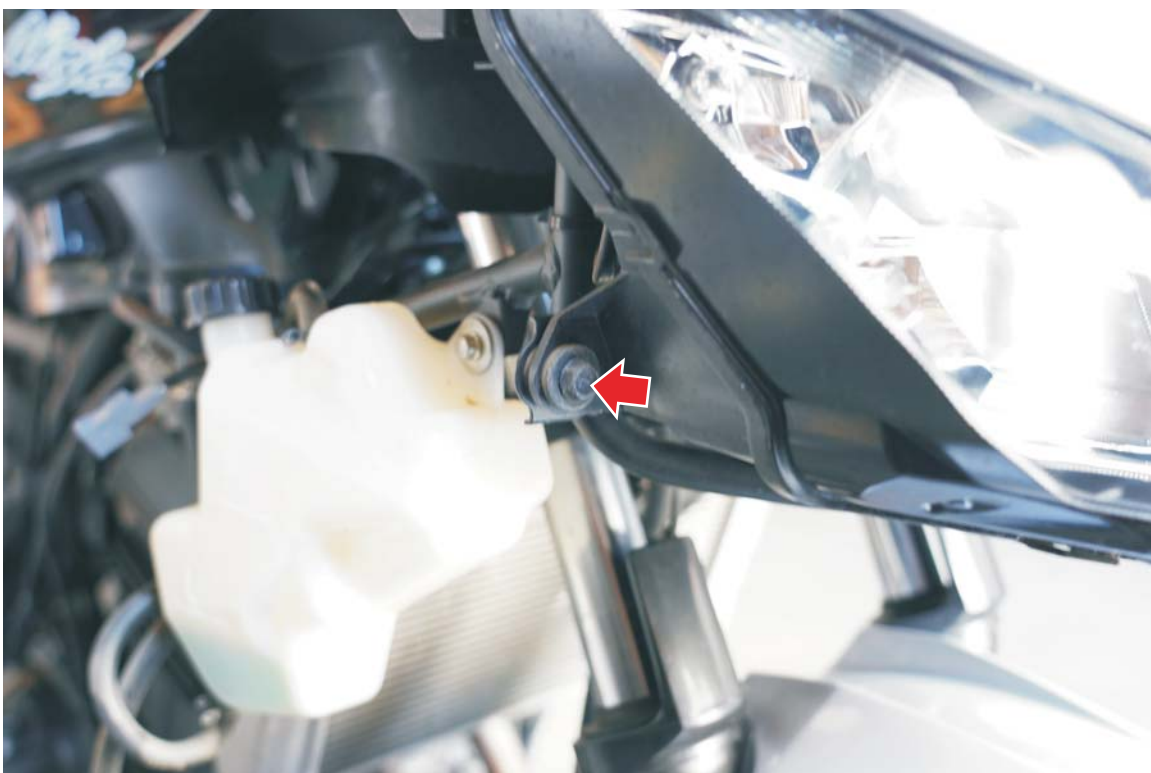
Step 7 continued - 1 bolt upper right using 10mm socket



Step 7 continued - 1 bolt lower left using 10mm socket



Step 7 continued - 1 bolt lower right using 10mm socket



8. Place towel on front fender. Lift up on the front nose fairing at the mirror standoffs and pull forward on assembly to detach it from the sub-frame.



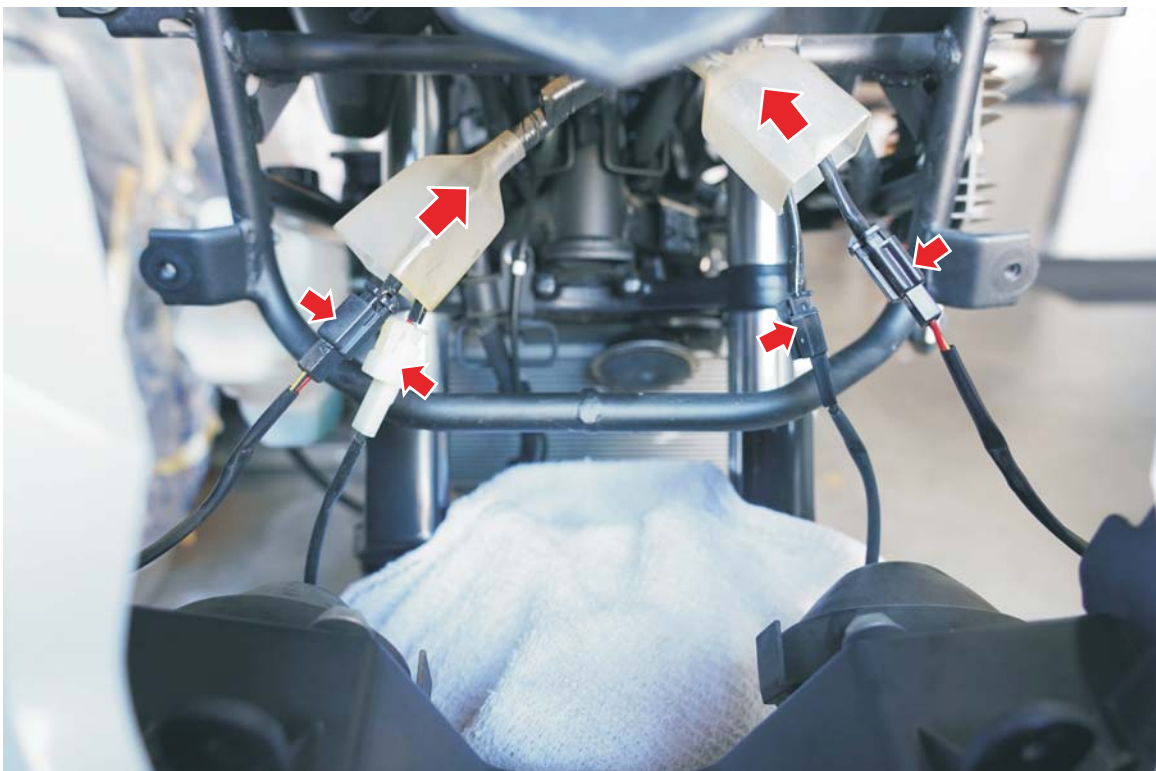
Step 8 continued - lift up and out at the mirror standoffs to release the fairing/head light assembly and carefully place on top of towel.



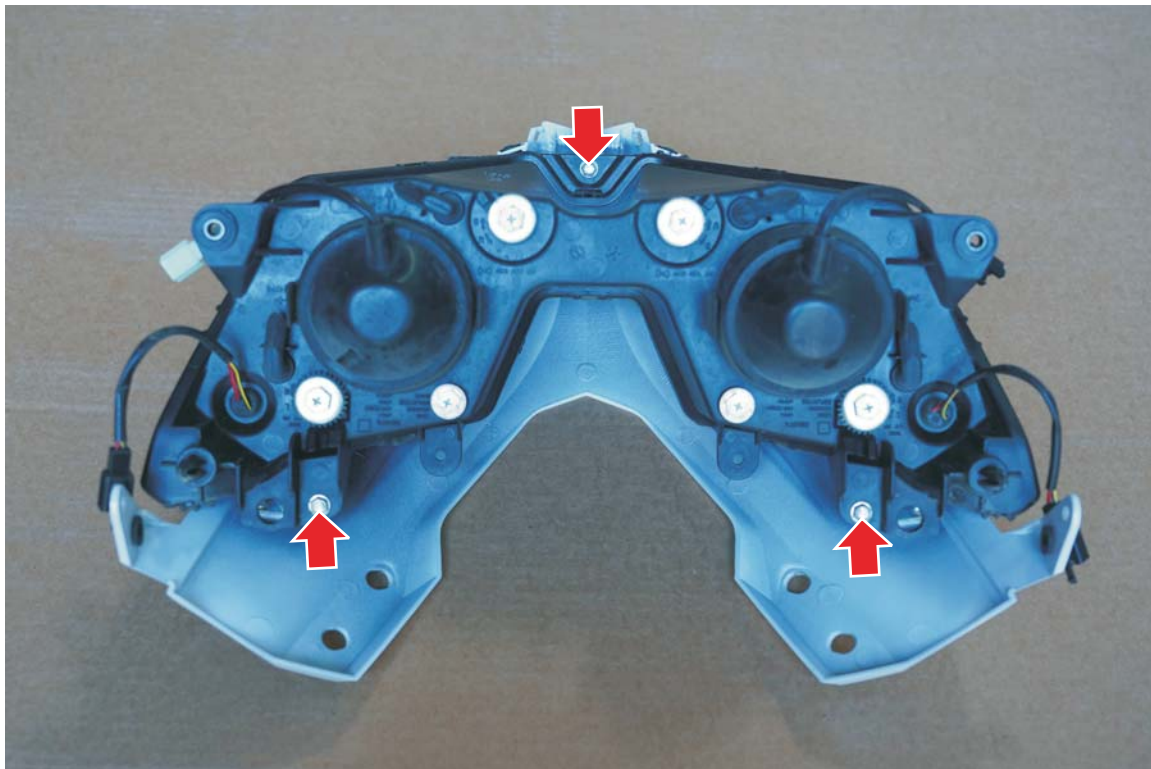
9. Reach in and undo the 2 wire management clips, slide off the boots and unplug the low beam, high beam, and 2 DRL connector plugs. At this time, the entire nose fairing/head light assembly can be removed



Step 9 continued - pull the boots up and unplug low beam, high beam, left DRL and right DRL



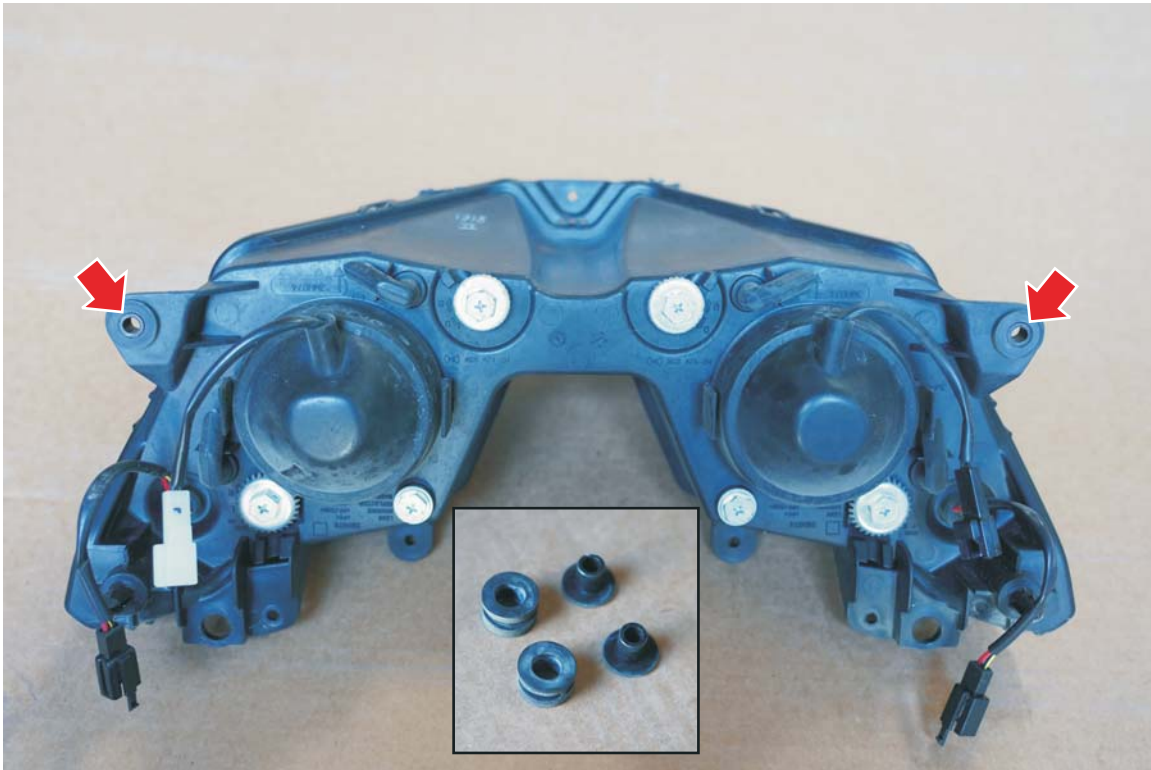
10. Separate nose fairing from head light, 3 bolts using 8mm socket



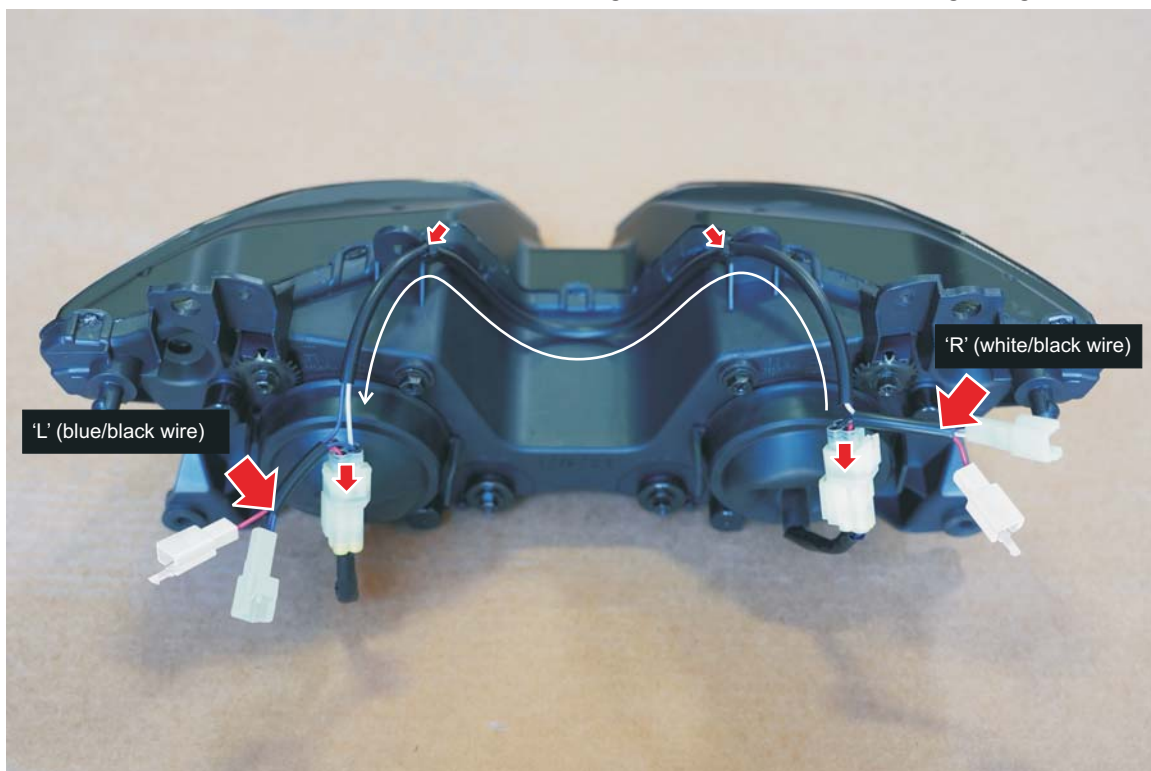
Step 10 continued - shown below separated



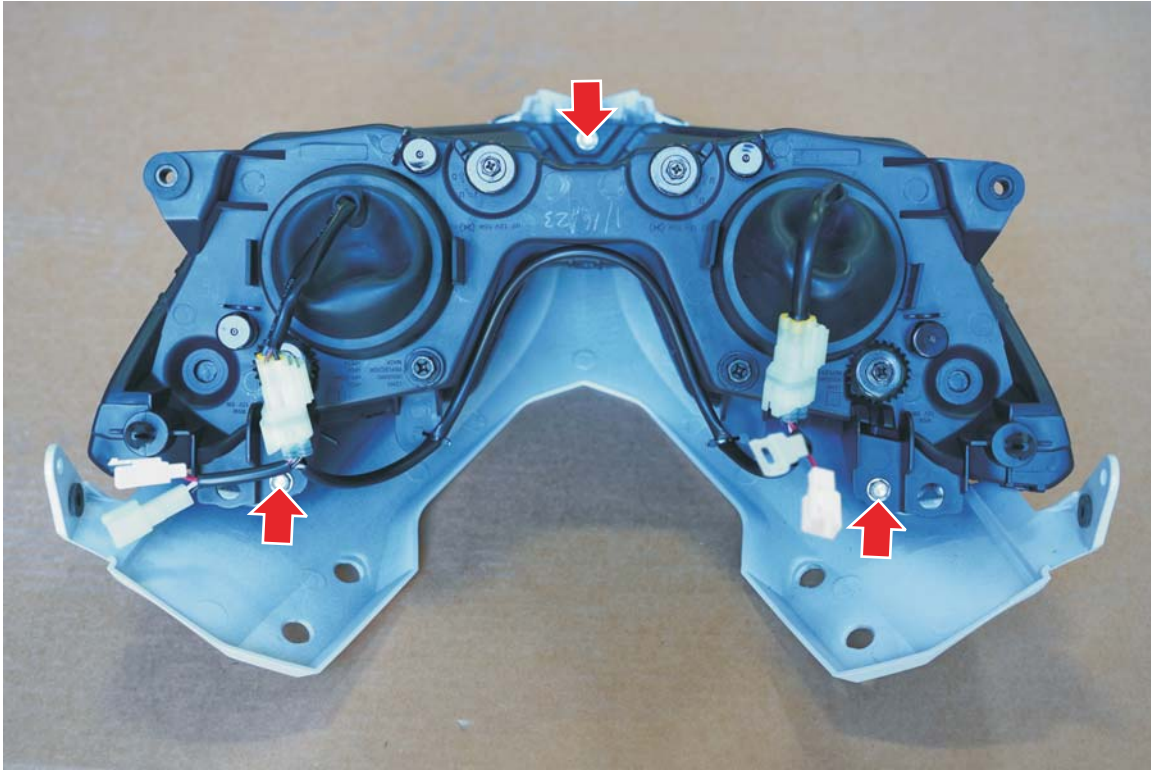
11. Swap over both the metal collars and rubber grommets at the lower mount to the new LED head light. The collars insert from front to back.



12. Connecting the subharness. Locate the 'R' side and plug in the 4 pin main connector to the to the corresponding 4 pin connector on the right side of the head light. This right side has an off-white and white connector for the low beam input and right side DRL. Locate the 'L' side and plug the 4 pin main connector the corresponding 4 pin connector on the left side of the head light. This left side has an off-white and white connector for the high beam and left side DRL. Route and secure the center of the harness following the curvature of the housing using 2 cable ties.



13. Mount the head light back onto the nose fairing using the same 3 bolts.



14. Mounting the head light/nose fairing assembly back onto the bike. While keeping the towel on the front fender, carefully position and rest the assembly on the towel then plug in the low beam, high beam, left DRL and right DRL plugs, cover with rubber boot.

Install Intelliflash here - see video skip to 28:18

Secure the harness and any slack to the wire management clips, then position the assembly back onto the sub-frame and secure using the same 4 bolts. Use the cables ties and additionally secure the low/DRL and high/DRL harness to the sub-frame (same location cut from step 7 above).



15. Perform systems check

16. Reinstall windscreen, mirrors, upper side fairings, plastic side trim, painted side panels, center wheel well panel, and lower side fairings

