

TOUR 5" MIDRISE HANDLEBAR KIT



P/N 2881932

APPLICATION

MY 16 Heavyweight Fairing Models - Order Kit PN 2881932 (with Clutch Cable)

MY 14 and 15 Heavyweight Fairing Models - Requires Extended Brake Line (PN 1912487)

NOTE

Starting in MY16, the longer brake line is standard.

WARNING

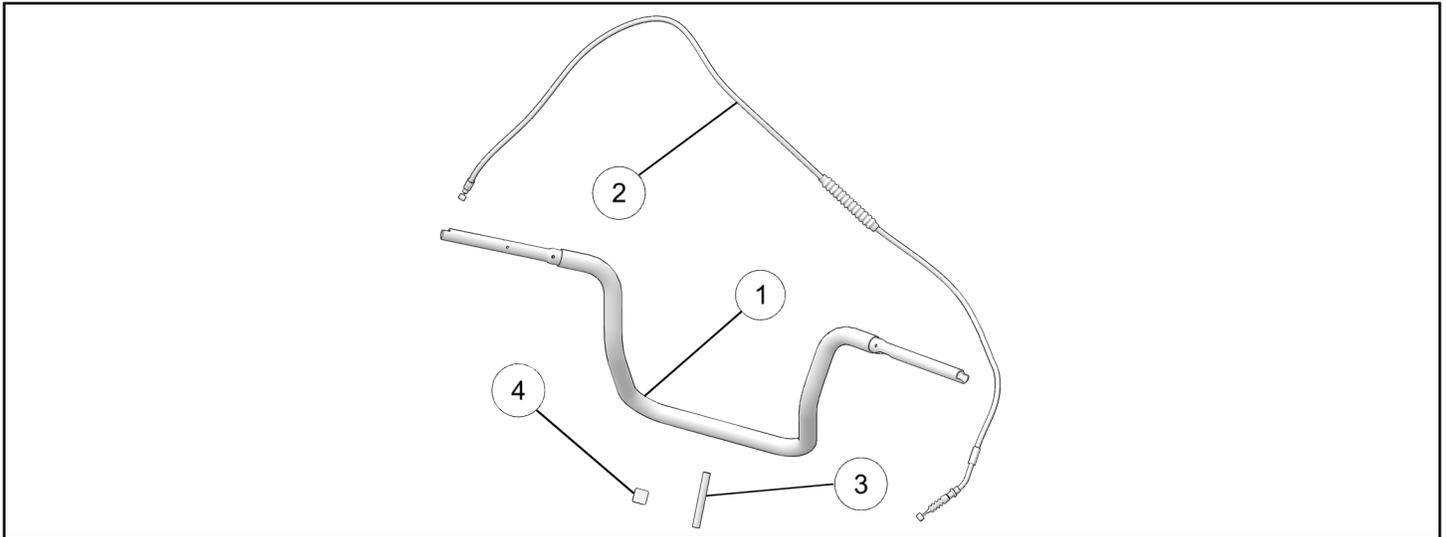
For MY14 and 15 vehicles, dealer installation is required. The brake line is part of the safety-critical brake system, and replacement is complicated.

BEFORE YOU BEGIN

Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

KIT CONTENTS

This Kit includes:



REF	QTY	PART DESCRIPTION	PART NUMBER
1	1	5" Midrise Handlebar	1022427
2	1	Clutch Cable	7082079
3	2	Wire Cover	-
4	4	Protective Film	5814472
5	2	Nylon Panduit Strap (not shown)	7081504
	1	Instructions	9927266

TOOLS REQUIRED

- #1 Phillips Screwdriver
- T25 and T30 Torx® Bit
- 5 mm Hex Key Socket
- 10 mm Socket
- Dental Pick
- Extension
- Protective Cloth
- Bench Vise (Optional)
- Electrical Tape (Optional)
- #2 Phillips Screwdriver
- 4 mm Hex Key Socket
- 6 mm Hex Key Socket
- 19 mm Socket
- Ratchet
- Torque Wrench
- Side Cutters
- Digital Camera (Optional)

IMPORTANT

Your Indian TOUR 5" MIDRISE HANDLEBAR KIT is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.

ASSEMBLY TIME

Approximately 90 minutes

INSTALLATION INSTRUCTIONS

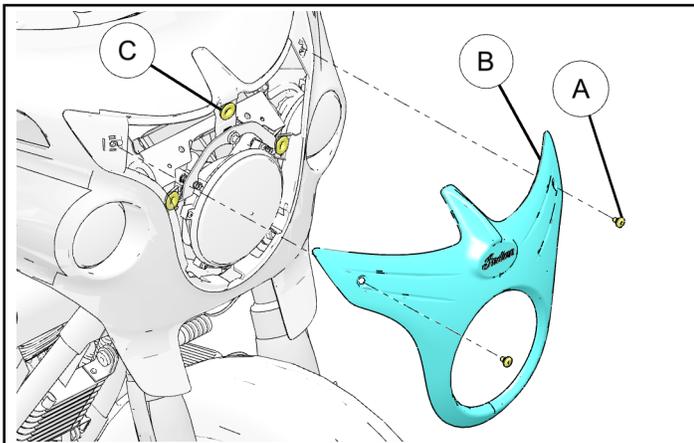
NOTE

Protect all finished surfaces during these operations.

1. Place the motorcycle in an upright position on a flat level surface with the front wheel secured in a wheel vise.

FRONT BODYWORK REMOVAL (RETAIN ALL FASTENERS, COVERS, CLAMPS FOR RE-ASSEMBLY)

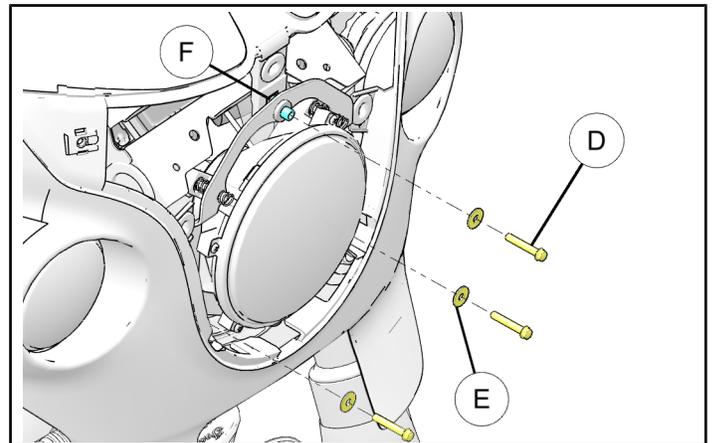
1. Remove two M6 flange head screws (A) from the top of the headlight bezel (B). Remove bezel by firmly pulling the top portion away first. The bezel will disconnect from three rubber grommets (C).



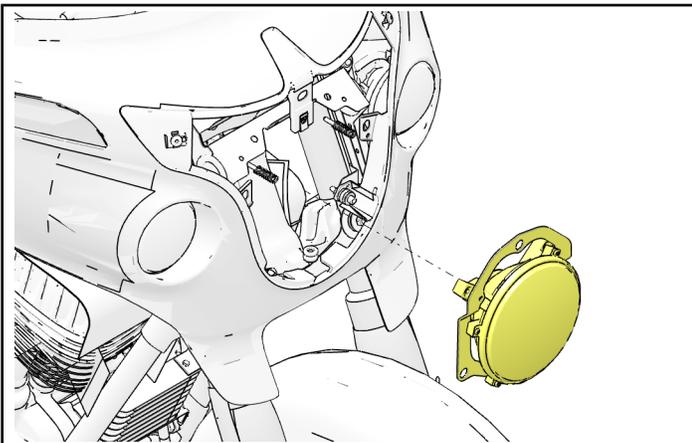
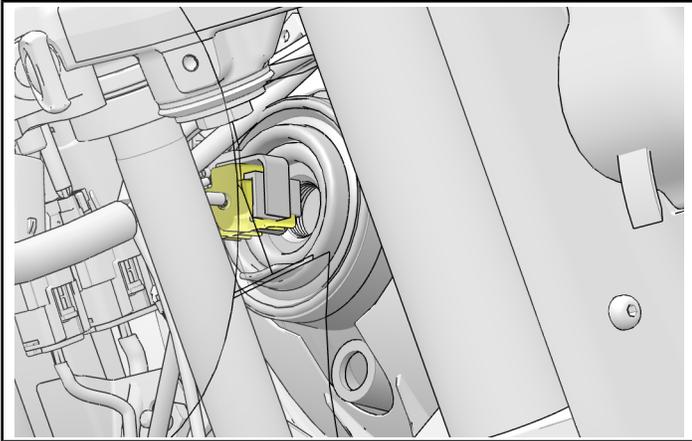
2. With a 10 mm socket, remove three M6 hex screws (D), washer (E) and aluminum spacers (F) behind the headlight assembly frame.

TIP

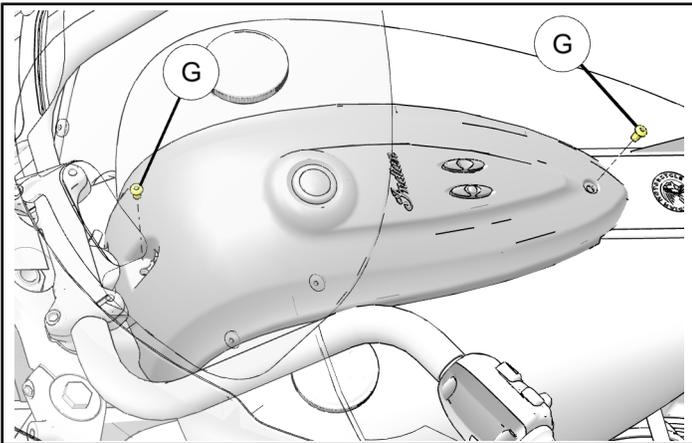
Remove aluminum spacers individually as they are not attached to headlight assembly.



3. Disconnect headlight by removing the connector. Set assembly on a clean, soft surface to prevent damage.



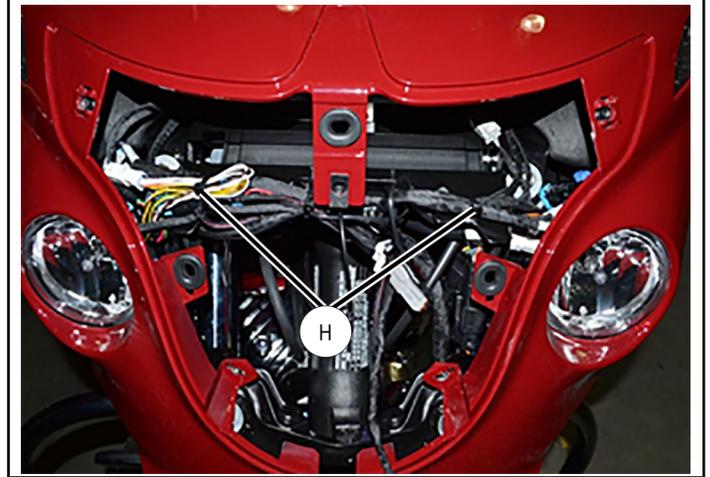
4. Loosen front M6 button head screw (G) two turns and remove rear M6 button head screw from the fuel tank console. Slide forward on tank, lift console enough to disconnect electrical connections. Set console aside on a soft surface to prevent scratching.



5. Trace the wiring exiting the center of the handlebars and cut the two nylon straps (H) restraining the handlebar wiring with side-cutters. Take care to not cut any wires.

TIP

Take photos of the wire routing from a front view and a rear view for reference during re-assembly.



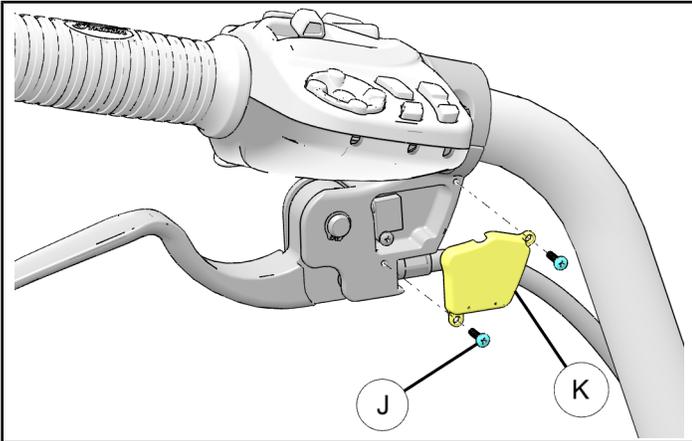
6. To make certain wiring is plugged into the correct terminal during re-assembly, ensure the wiring is labeled on both ends of each terminal. There are a total of seven terminals coming from the handlebars (four right hand / three left hand).

NOTE

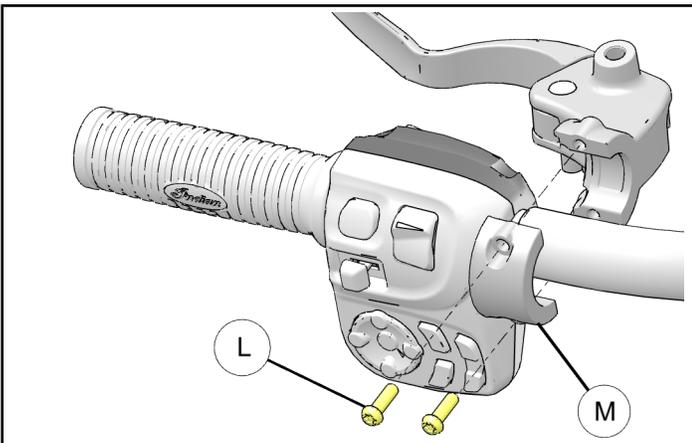
Left and right hand wiring have identical terminals and should be labeled accordingly. Mark terminals as a matched pair if labels are missing from the vehicle.

7. With a dental pick depress lock tab and disconnect all wire terminals that trace into the handlebars and pull wires through rubber grommets.

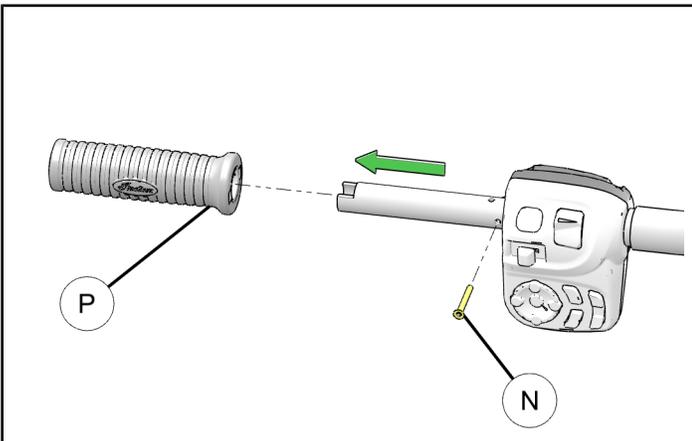
- On the bottom side of the clutch mount, remove two #1 Phillips screws (J) and remove cover (K). Using a dental pick, disconnect clutch wiring terminal.



- Using T30 Torx® bit remove the two screws (L) from the clutch clamp (M) and remove clutch lever assembly. Disconnect from clutch cable and set aside for later assembly.



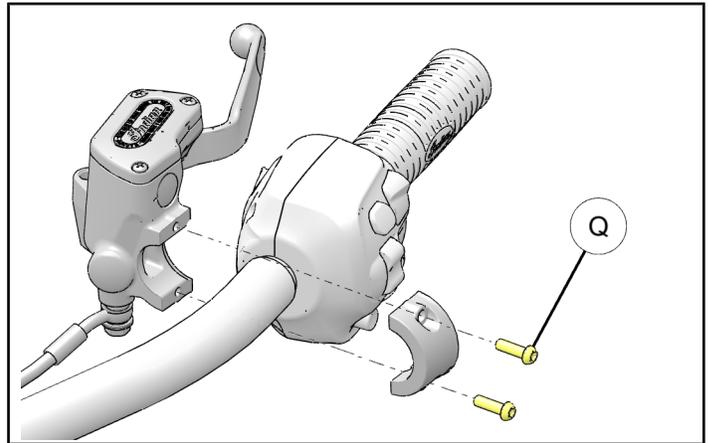
- Using your thumb, deflect the rubber flange of the left hand grip next to the switch housing to reveal the #2 Phillips head screw (N). Remove screw and slide grip off of handlebar (P).



- Using T30 Torx® bit remove two screws (Q) from the brake master cylinder clamp and assembly. Support master cylinder level on a flat and horizontal surface.

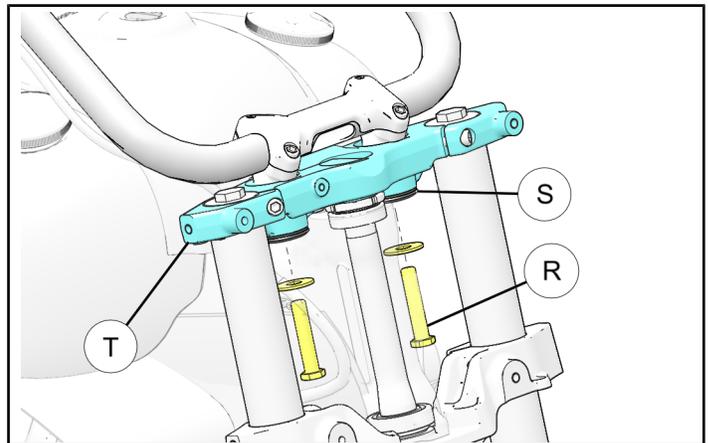
⚠ WARNING

Failure to continuously support master cylinder in a level orientation may cause reduced braking performance or braking failure.

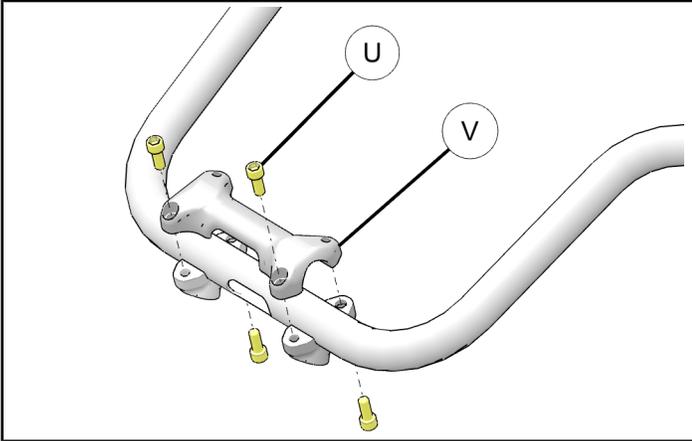


HANDLEBAR REMOVAL AND DISASSEMBLY (RETAIN ALL FASTENERS, COVERS, CLAMPS FOR RE-ASSEMBLY)

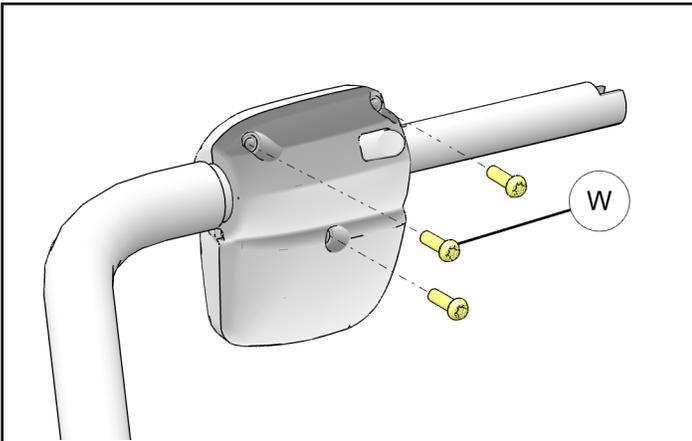
- With a 19 mm socket, remove the two M12 hex screws (R) from under the handlebar risers. Ensure rubber inserts (S) retained by the M12 bolts do not fall out. Carefully slide the handlebar and riser assembly out of triple clamp frame (T).



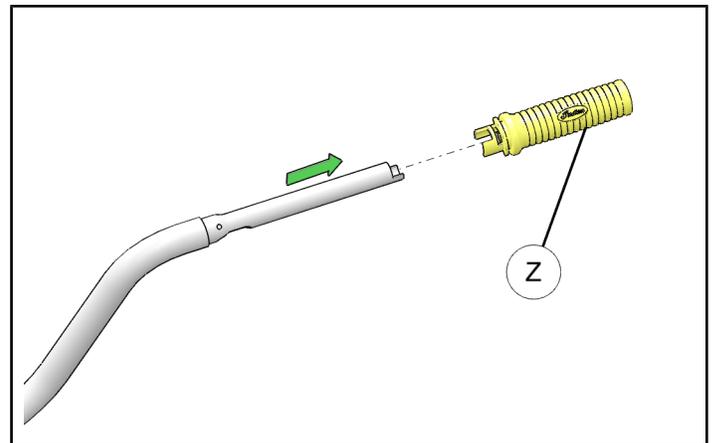
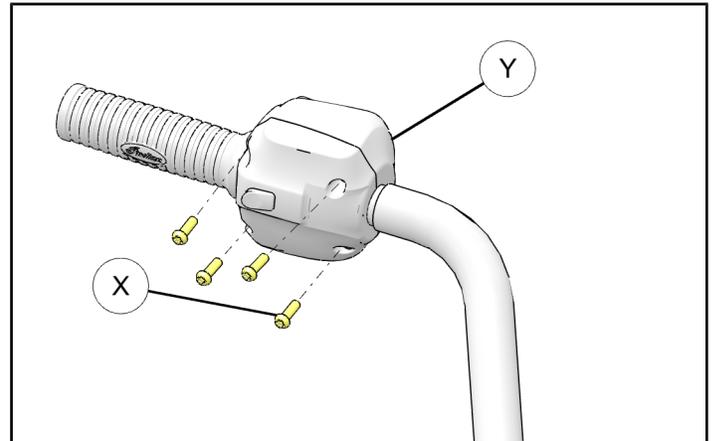
2. Remove the front two and rear two M8 cap screws (U) from the handlebar riser cap (V) and remove cap and risers from the handlebar.



3. Using the T25 Torx bit, remove the three Torx® fasteners (W) from the backside of the left hand switch housing.



4. Using the T25 Torx bit, remove the four Torx® fasteners (X) from the backside of the right hand switch housing (Y). Split switch housing apart and slide the right hand grip (Z) off of handlebar. Set grip aside in a clean location.



5. From the switch housing wiring slots in the handlebar, pull the left and right hand wiring harnesses and switch housings from the handlebar.

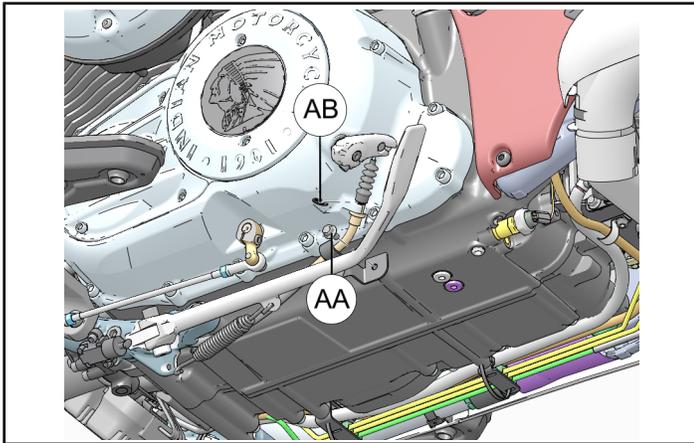
TIP

Feed the excess wire into the center slot of the handlebar while simultaneously pulling from the switch housing end.

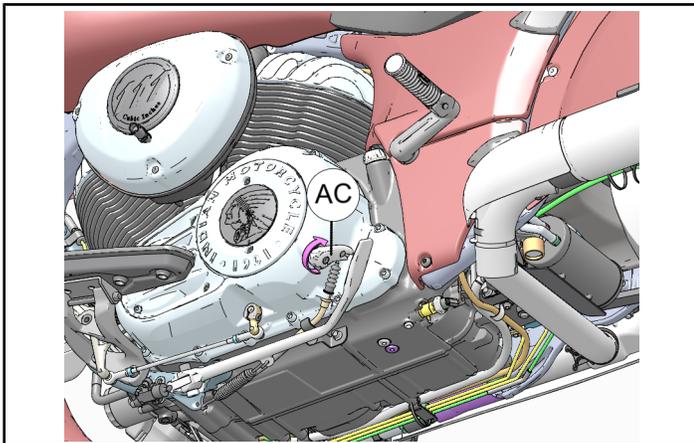
CLUTCH CABLE REMOVAL/INSTALLATION

Clutch Cable Removal

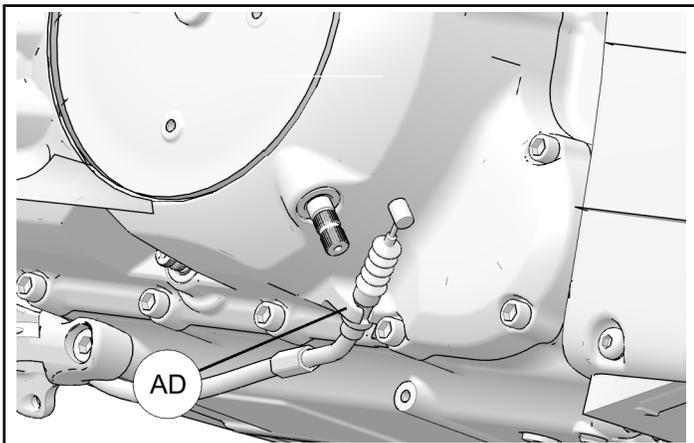
1. Remove the side stand bumper bolt (AA) and the clutch cable E-clip (AB).



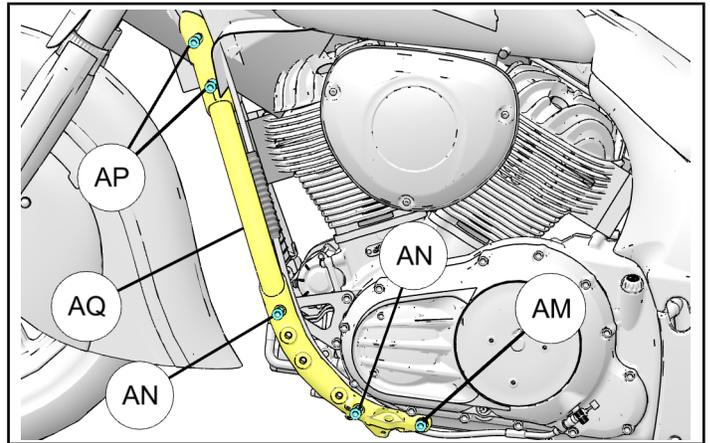
2. Protect the clutch release arm (AC) with a shop towel. Using an adjustable wrench, rotate the release arm inward. Disconnect clutch cable from release arm.



3. Withdraw the clutch cable from the mounting boss (AD) located on the primary cover.



4. Note routing of clutch cable through frame.
5. Loosen the bolts (AM), (AN) and (AP) securing the LH frame downtube (AQ) to the engine and steering head.



6. Remove the clutch cable.

NOTE

The clutch cable is routed through a retaining clip attached to upper triple clamp. Use a flat blade screwdriver to apply leverage on the side of the cable and push cable out of the clip.

ACCESSORY HANDLEBAR INSTALLATION (USE RETAINED FASTENERS, COVERS, CLAMPS FOR RE-ASSEMBLY WHERE APPLICABLE)

1. Insert the right hand switch housing wiring harness into the right hand switch housing wiring slot in the handlebar and pull all terminals out of the center wiring slot in the handlebar. Pull harness taught until switch housing is located adjacent to the wiring slot. Repeat for the left hand switch housing wiring.

TIP

Use a small piece of electrical tape to hold the wire terminals together, assist in sliding wires through handlebars.

2. Remove any dust, dirt or grime from inside the right hand grip tube, and throttle switch housing assembly, and the handlebar prior to reassembly.

- Slide the right hand grip (Z) onto the handlebar ①. Assemble RH switch housing (Y) so the single boss on the rider-faced switch housing is located in the 5.4mm hole on the handlebar and so the throttle components are aligned. Install the retained four Torx® fasteners (X) into the backside of the switch housing and torque to specification.

TORQUE

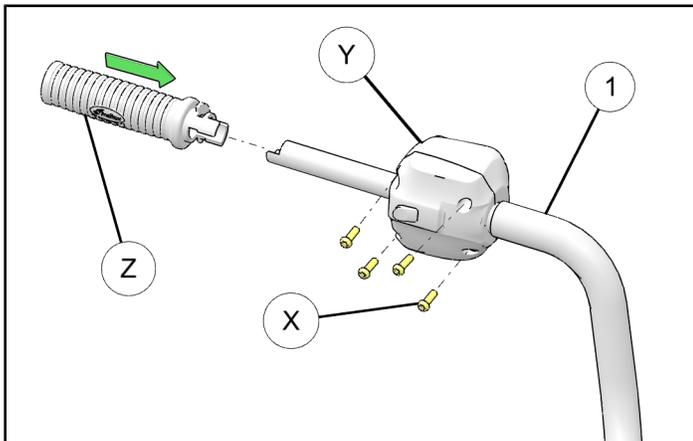
31 +/- 4.5 in. lbs. (3.5 +/- 0.5 Nm)

NOTE

Excessive force is not required to install these components. Ensure components are aligned and that wires are inside of the switch housing prior to closing switch housing halves.

CAUTION

Check the throttle operation. Open throttle fully and then release the grip. Throttle grip must return freely and completely to the idle position. If throttle return is sluggish or if it does not return freely and completely, disassemble throttle side switch housing to determine the cause. Do not operate the vehicle until throttle operates freely.



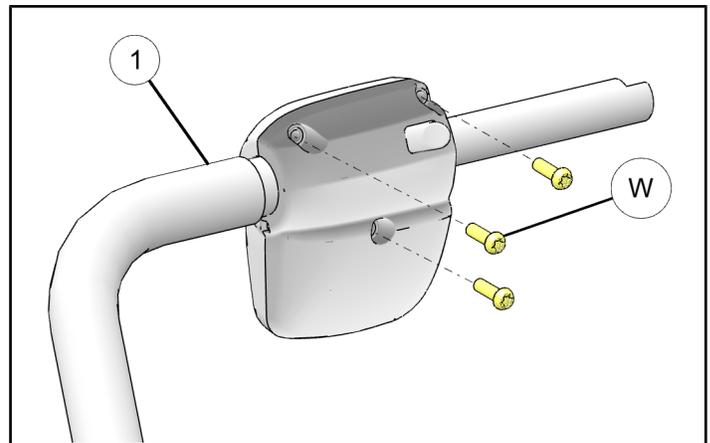
- Assemble LH switch housing so the single boss on the rider-faced switch housing is located in the 5.4 mm hole in the handlebar ①. Route the clutch wire through the provided slot in switch housing. Install the three retained Torx® fasteners (W) into the backside of the switch housing and torque to specification.

TORQUE

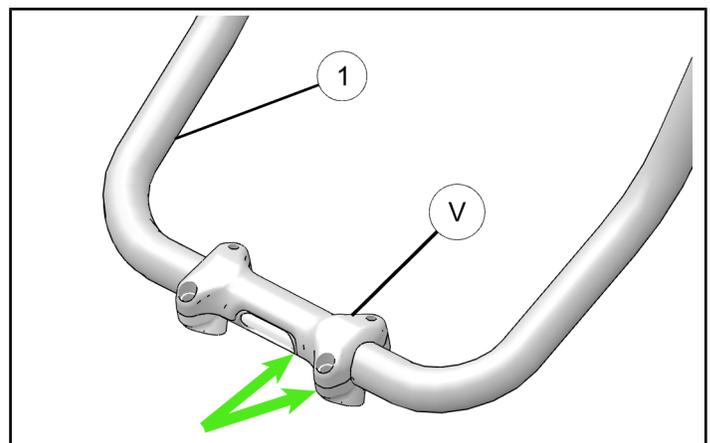
31 +/- 4.5 in. lbs. (3.5 +/- 0.5 Nm)

NOTE

Excessive force is not required to install these components. With the exception of the clutch wire terminal, ensure wires are inside of the switch housing prior to closing switch housing halves.



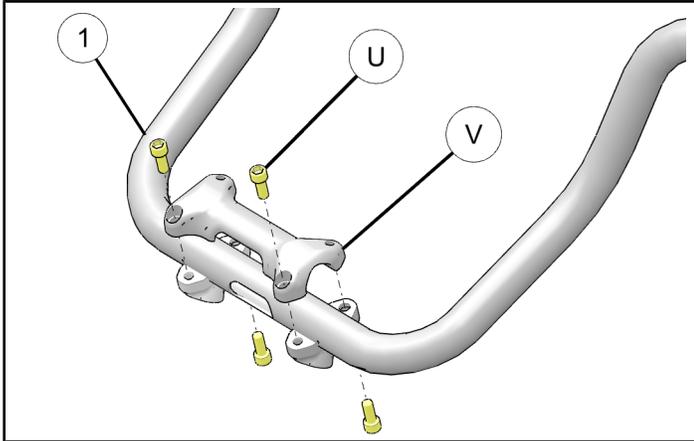
- Place the wire cover ③ around exposed wires from the RH switch housing extending from the center slot. Use a piece of electrical tape to secure in place. Repeat for LH wires.
- Install risers and riser cap (V) onto the handlebar ① by centering the handlebar knurling to the riser cap. Rotate the handle bars to align the clocking marks with the separation line of the risers and the riser cap.



7. Loosely install two front and two rear M8 cap screws (U). Torque the front two M8 cap screws to specification. Do not torque the rear cap screws at this time.

TORQUE

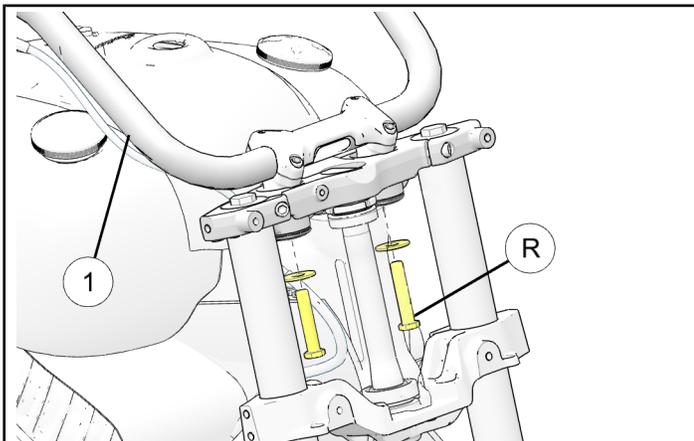
18 +/- 2 ft. lbs. (24.4 +/- 2.7 Nm)



8. Install the handlebar ① onto vehicle and replace two M12 bolts (R) with washers. Torque to specification. Route handlebar wiring towards front of fairing.

TORQUE

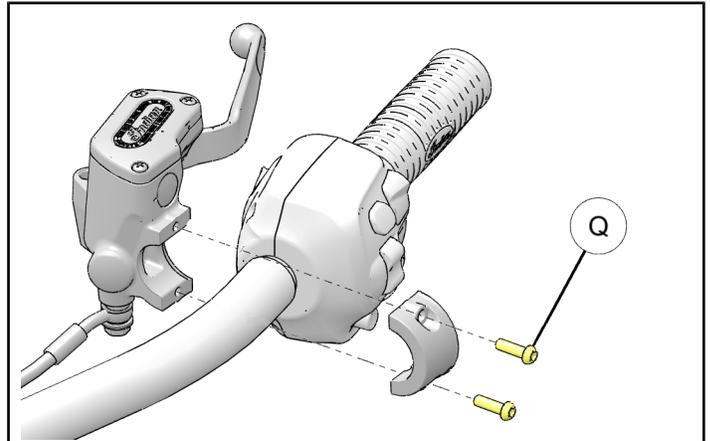
60 +/- 6 ft. lbs. (81.3 +/- 8.1 Nm)



9. While holding the brake master cylinder level, install onto vehicle with two M6 screws (Q) and clamp adjacent to the right hand switch housing. Ensure features on clamp match like features of master cylinder. Position to rider preference. Starting with the top screw and torque both fasteners to specification.

TORQUE

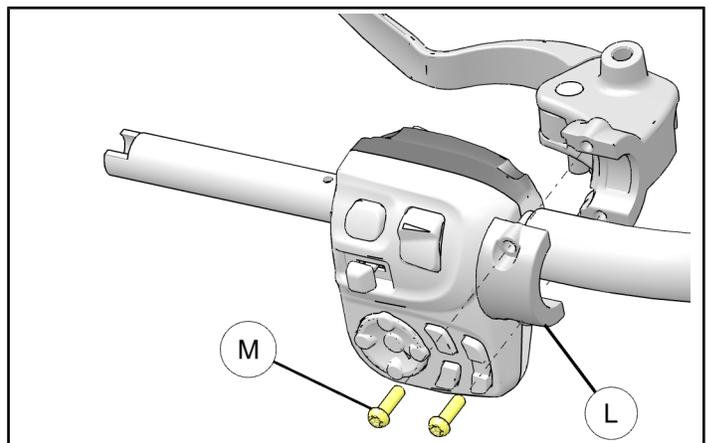
70 +/- 10 in. lbs. (7.9 +/- 1.1 Nm)



10. Install clutch lever assembly onto vehicle with two M6 screws (L) and clamp (M) adjacent to the left hand switch housing. Position to rider preference. Ensure the features on the clamp match like features of the switch housing and the clutch wire is not pinched. Starting with the top screw, torque both fasteners to specification.

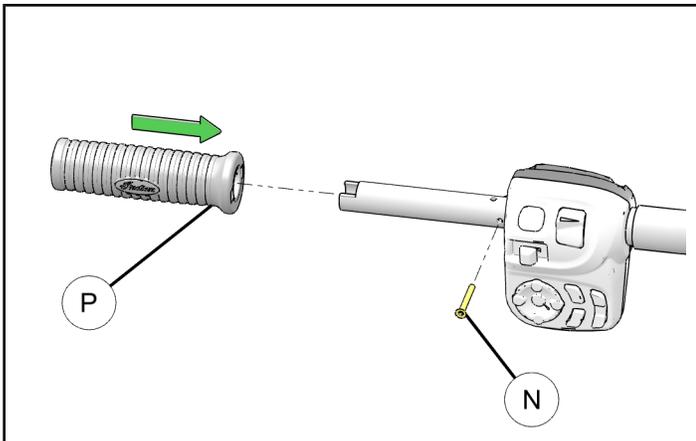
TORQUE

70 +/- 10 in. lbs. (7.9 +/- 1.1 Nm)



11. Connect clutch wire terminals and replace cover and two #1 Phillips screws and tighten securely.

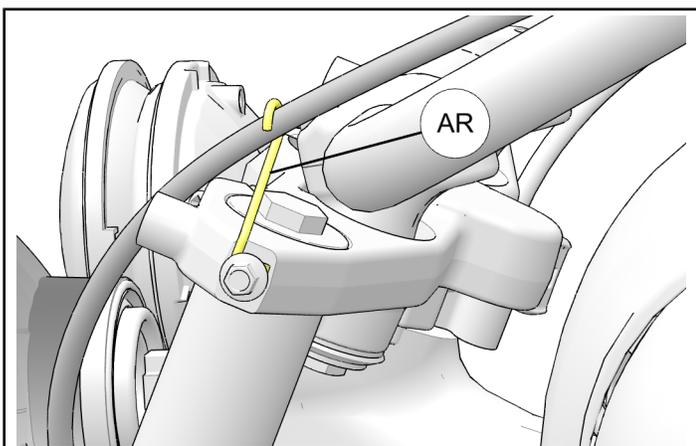
12. Slide the left hand grip (P) onto the handlebar and fasten with the retained #2 Phillips head screw (N) and tighten securely.



IMPORTANT

Do not kink, bend, or twist the inner cable or outer cable casing during installation.

13. Route clutch cable in the same manner as removed. Ensure clutch cable guide (AR) is oriented as shown and clutch cable is routed through the guide.



14. Torque LH frame downtube bolts (AM), (AN), and (AP) to specification. See clutch cable removal/Installation section Step 5 image.

TORQUE

45 ft. lbs. (60.0 Nm)

15. Apply multi-purpose grease to the lever end of the cable and install it in the clutch lever at the handlebar.
16. Install the casing in the lever perch at the handlebar.
17. Install cable in the mounting boss located on the primary cover.
18. At the release arm end of the cable, pull the inner cable until fully extended. Be sure the upper end of the cable casing is seated in the lever perch at handlebar end.
19. Apply multi-purpose grease to the lower barrel end of the cable.
20. Rotate the release arm inward (as in Step 2, Clutch Cable Removal) until cable can be installed in release arm.
21. Install the clutch cable E-clip at the mounting boss.
22. Install the side stand bumper bolt. Torque to specification.

TORQUE

84 in. lbs. (9.5 Nm)

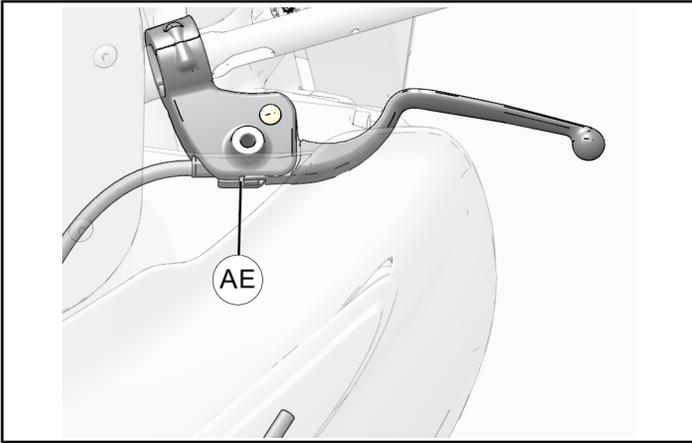
23. Adjust clutch cable free play described in below section.
24. Apply protective film to surface of dash in areas where the clutch cable and brake line route and may come into contact with painted surfaces.
25. Position the handlebars to rider preference such that there is adequate clearance to the fuel tank when turning left to right. Torque the two rear riser M8 cap screws to specification.

TORQUE

18 +/- 2 ft. lbs. (24.4 +/- 2.7 Nm)

CLUTCH LEVER FREE PLAY

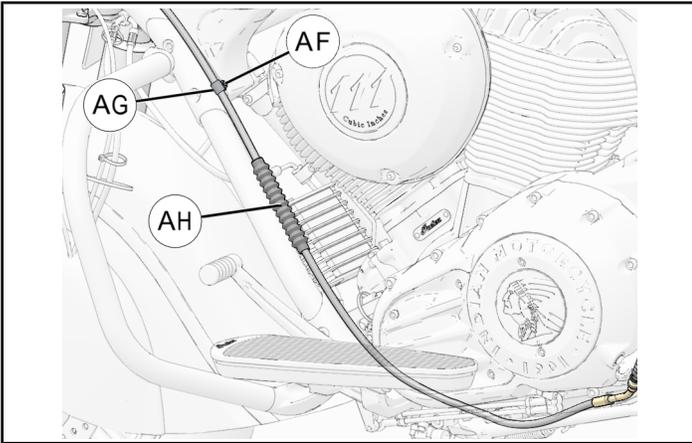
1. With handlebars pointing straight ahead, measure the clutch lever free play (AE). Measurement should be .019-.059 in (0.5-1.5 mm).



2. Fasten M6 screw (AF) with P-clamp (AG). Torque to specification.

TORQUE

84 in. lbs. (9.5 Nm)



3. Compare measurement to specification. If adjustment is required, proceed to Step 4.
4. Locate the clutch cable adjuster boot (AH) and pull it back to expose the jam nut and barrel adjuster.
5. Hold the cable and loosen the adjuster jam nut.
6. Turn cable adjuster in or out until clutch free play is correct.
7. Tighten the adjuster jam nut. Torque to specification.

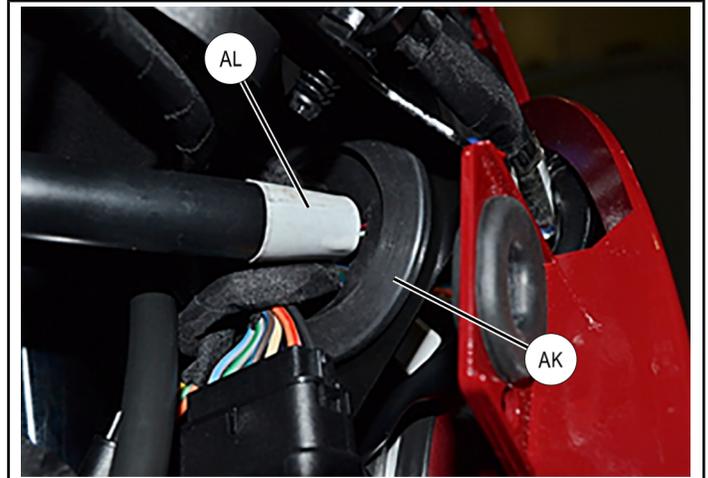
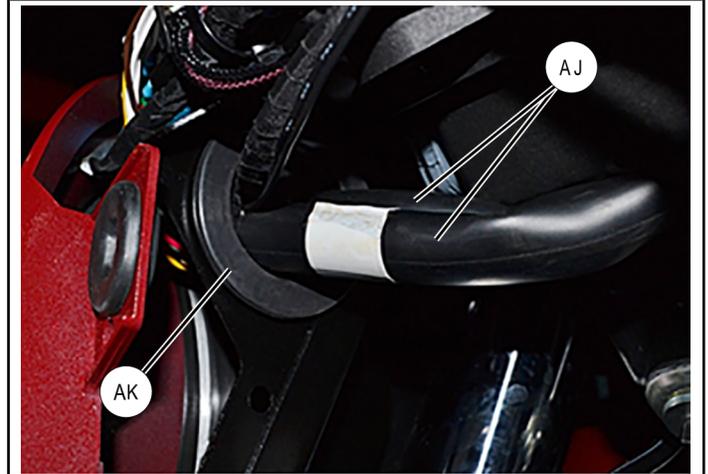
TORQUE

48 in. lbs. (5.4 Nm)

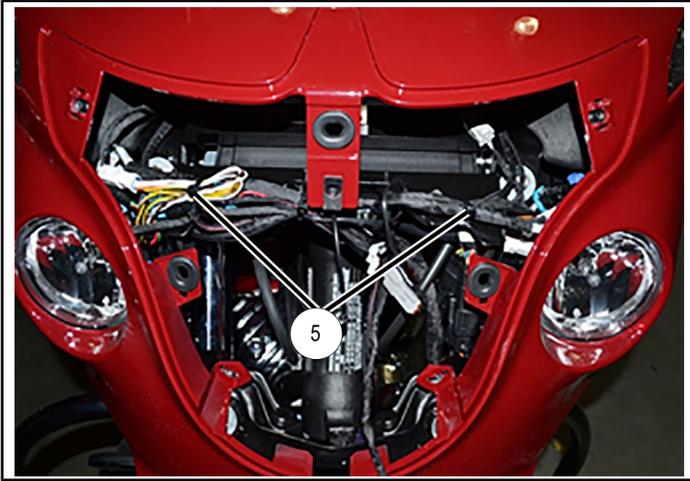
8. Slide adjuster boot back over adjuster assembly.

FRONT BODYWORK RE-ASSEMBLY

1. Route left hand handlebar wiring (AJ) to left side of fairing and place the two harnesses through the left hand side rubber grommet (AK) in the fairing frame. Route the right hand handlebar wiring to the right side of the fairing and harnesses (AL) through the right hand side rubber grommet in the fairing frame. Ensuring correct label pairing, connect the handlebar wiring terminals.



2. Install the new nylon straps (5) into the two push dart locations in fairing locations near the rubber grommets. Neatly restrain the handlebar wiring by using the available nylon straps. Cinch tight and remove excess nylon strapping with side cutters, careful not to damage any wires.



3. Turn handlebar left and right, lock-to-lock, and determine if there is any resistance from wire binding. If you feel resistance or see wire interference, determine the cause and re-bundle wires as necessary.

4. Re-connect the headlight.
5. Install the headlight assembly into the fairing by installing the three aluminum spacers, headlight assembly, three washers then three M6 hex screws. Torque to specification.

TORQUE

84 +/- 6 in. lbs. (9.4 +/- 0.6 Nm)

TIP

Insert the hex screw and washer into the top mounting hole of the headlight assembly. Install an aluminum spacer onto the top hole and loosely install screw into fairing. This will allow placement of the other two aluminum spacers prior to installing the remaining M6 washers and screws.

6. Insert the headlight bezel by inserting bezel features into the rubber grommets in the fairing. Install the retained two M6 flange screws and torque to specification.

TORQUE

36 +/- 6 in. lbs. (4.0 +/- 0.6 Nm)