

B R I T I S H *C U S T O M S*

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Retro Tail Light

Part Number: BC502-023-B BC502-023-P
BC502-023-BR



NOTE: Retro Tail Light removes rearward facing turn signals. Additional turn signals will be required for Street Use.

NOTE: Retro Tail Light Kit removes Rear Grab Bar and it will not be reused.

Tools Required:

T30 Torx
T40 Torx
8mm Socket
10mm Socket

12mm Socket
4mm Allen Wrench
5mm Allen Wrench

WARNING: Always properly support vehicle with a stand and/or lift when servicing or performing any work.

Unstable vehicles may present dangerous conditions and may cause property damage and/or personal injury.

NOTE: Read through all instructions before beginning installation.

Removal

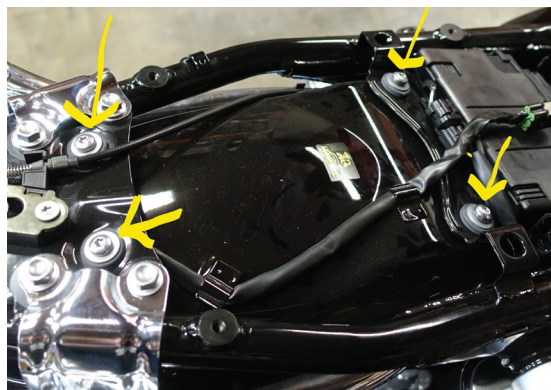
1. Remove Riders Seat
 1. Insert the ignition key into the seat lock and turn it counter-clockwise while pressing down on the rear of the seat.
 2. Lift the seat up from the back and slide rearwards for complete removal.
2. Disconnect the battery, negative (black) lead first.
3. Disconnect Factory Rear Light Harness at the connector.

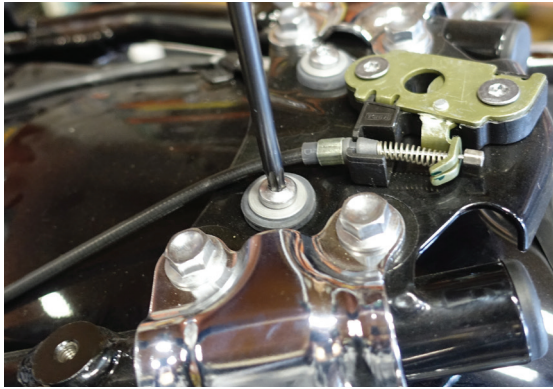


4. Un-clip Seat Release Cable from left side of fender



5. Remove License Plate.
6. Use T30 Torx to loosen the four fender mounting screws. Do not fully remove at this time.





PRO-TIP

Fender is weighted heavily toward the rear because of the factory light assembly. Use caution when removing the final screws, so the fender does not fall or hit the underside of the tail section.

7. Support the rear of the fender, then continue removing the fender mounting screws and place screws to the side for future use.
8. Use T40 Torx to remove the grab bar screws located behind each rear shock. Place screws to the side.



9. Use 12mm socket to remove the grab bar rear mounting bolts and

remove grab bar from motorcycle.



Installation

1. Place the rear fender on clean, padded work space to prevent damage or scratches to rear fender and adjoining parts.



2. Use 8mm socket to remove the underside screws. 5mm allen wrench and 10mm socket to remove rearmost bolt.



3. Lift factory taillight assembly from the fender.
4. Remove metal insert from foremost hole. Leave the rubber grommet in place.



5. Feed British Customs Retro Taillight wiring harness through the rubber grommet.



6. Carefully turn fender over, holding Retro kit to the fender. Use 10mm socket to secure Retro kit to the fender.



7. Pull the reflector bracket from the factory taillight assembly.



8. Use 10mm socket to remove reflector from bracket.

9. Using a Dremel or similar tool, remove the plastic post next to the threaded stud.



10. Remove the metal insert from the rearmost hole in the fender.



11. Insert reflector in the rearmost rubber grommet and secure with factory 10mm nut.

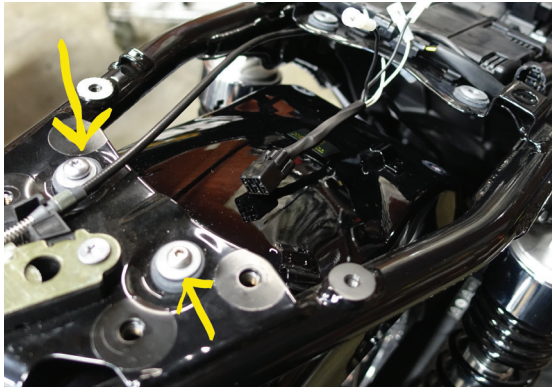


12. Connect supplied harness to the Retro taillight harness.

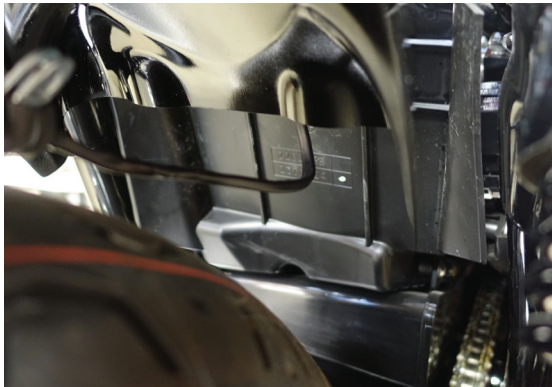


NOTE: If installing British Customs Rear Shock Mount Turn Signal Kit, please refer to those instructions now, beginning with Step 1 of Installation. Otherwise, continue with this installation.

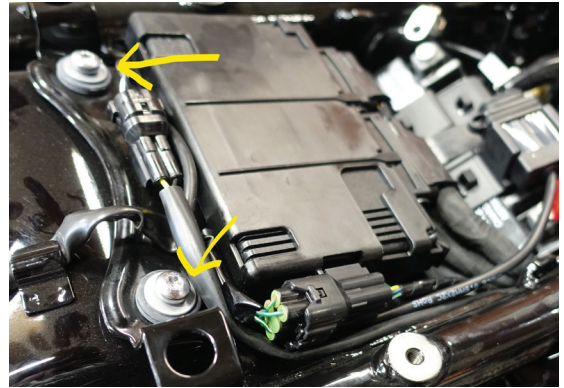
13. Supporting the rear fender, lift into factory location. Use T30 torx to lightly tighten the rear left screw. Use 4mm allen and supplied 30mm length screw to lightly tighten the rear right side. Leave the front of the fender hanging.



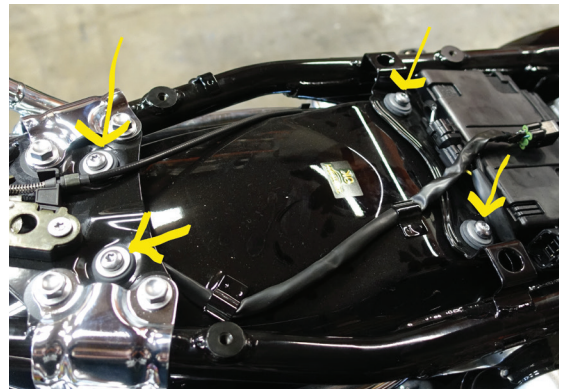
14. Route Retro taillight wiring harness under the front right side of the fender. Then run wiring harness up the front of the fender toward factory taillight connection.



15. Lift the front of the fender into position. Use T30 Torx to secure front left screw and lightly tighten. Use 4mm allen and supplied 25mm length screw and lightly tighten the front right side of the fender.



16. Tighten all fender mounting screws and **Torque to 10Nm. (7.38 ft-lbs)**



17. Use supplied rubber-insulated clips and position wiring harness over the right side fender screws sticking out the underside of the fender.



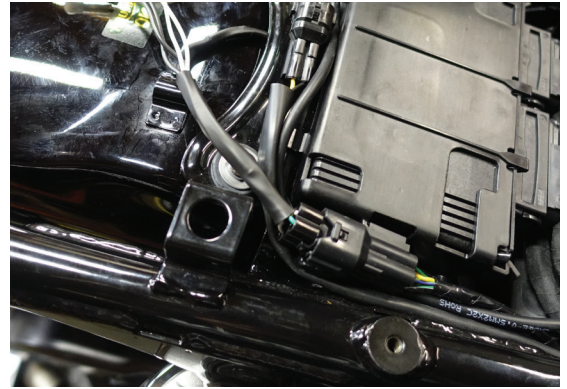
18. Use 10mm socket and supplied nyloc nuts to secure clips and wiring harness.



19. Reconnect seat release cable to fender clip on left side.



20. Plug in Retro taillight harness to factory connector.



21. Reconnect battery, positive (red) lead first.

22. Check turn signal and tail light functionality to make sure indicators are working properly.

23. Install Riders Seat

24. Use 10mm wrench to install license plate to Retro taillight assembly.

If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call **British Customs Customer Support** at **(877) 999-2748**.