



These instructions describe the procedure for properly installing the 16” EZ Install Handlebar Kit for 2021 FLHT, FLHTK, FLHX, FLHXS, FLHXSE, FLHTKSE, FLHTCUTG, FLHTCUTGSE. You should review these instructions before installing the product as they contain important information regarding your FBI EZ Install Handlebar Kit. Please keep instructions for future reference.

109016- 16” EZ Install Handlebar Kit- Chrome- 2021 Street Glide/Electra Glide Models

109016-B - 16” EZ Install Handlebar Kit- Black- 2021 Street Glide/Electra Glide Models

This product is for 2021 FLHT, FLHTK, FLHX, FLHXS, FLHXSE, FLHTKSE, FLHTCUTG, FLHTCUTGSE, (Cable Clutch Models).

Items included in this kit:

- 8” clutch cable extension
- Can bus wire harness for controls
- Brake line extension
- Ropes
- Lube
- Zip ties



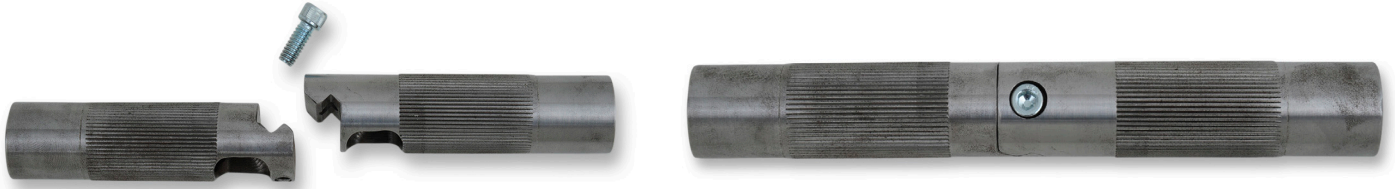
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WARNING: The riders safety depends upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, contact a dealer to perform the installation. Improper installation of this kit could result in death or serious injury.

Test brakes at low speed. If brakes are not operating properly, testing at high speeds can cause loss of control, which could result in death or serious injury.

Tools & Supplies Needed
T25 Torx
T27 Torx
½ Socket
9/16 Socket
Phillips Screwdrivers
Small Pick
5/32 Allen
Side Cutters
12 mm Wrench
¼ Allen Socket
T40 Torx
Black Tape
Needle Nose Pliers
Air Blower
13 mm Wrench
3/8 Wrench
7/16 Wrench
Vacuum Bleeder
Torque Wrench

1. Install center handlebar bolt. Torque to 10 ft. lbs.



2. Using the supplied ropes, use an air blower to push 1 rope through the left handlebar grip tube hole to the center clamp hole. Next, blow the 2nd rope through the right handlebar grip tube hole to the center clamp hole. Then, blow the 3rd rope through the right handlebar throttle hole to the center clamp hole.



Left Handlebar



Right Handlebar



Center Clamp Holes

3. Cover the fuel tank and front fender to protect from dropped parts and to prevent damage to paint.

4. Remove the fairing cap.



5. Remove the outer fairing and windshield.

6. Remove turn signals.

7. Remove 4 fairing side bolts.



8. Unplug handlebar wires and throttle wires.

9. Remove lower fairing triple tree cover.

10. Lift the fairing up and tip it forward to gain access to the handlebar clamp.



11. Cut the 2 zip ties on the handlebar risers that hold the brake and clutch line. Cut 1 zip tie that holds the clutch and brake line together.

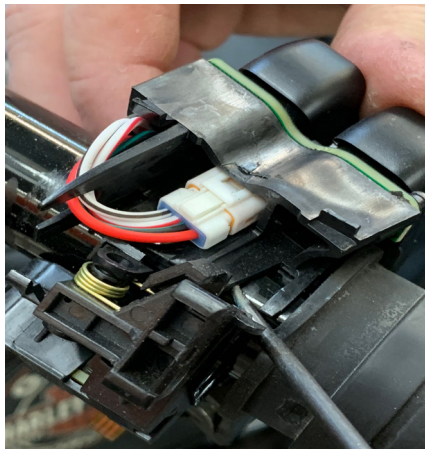


12. Remove odometer button by pushing up and sliding out.



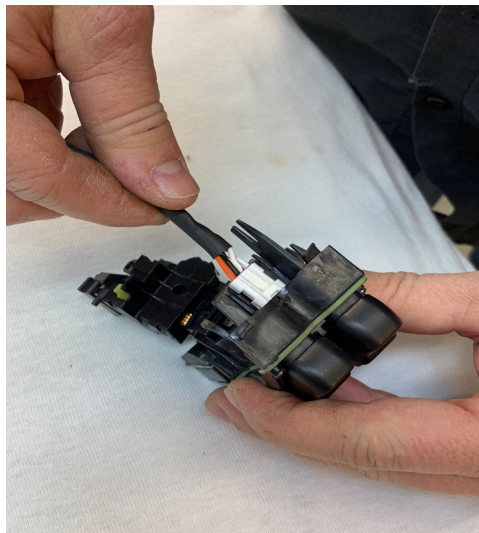
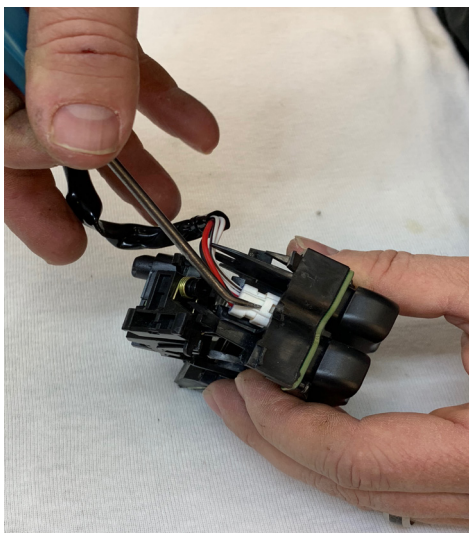
13. Remove master cylinder clamps and lay master cylinders on top of covered tank.

14. Remove switch housings and switches. Use a pick to release lock and remove from bike.



15. Remove stock handlebars.

16. Plug new wire extensions into switches on both sides. Remove stock wiring and install supplied wires.



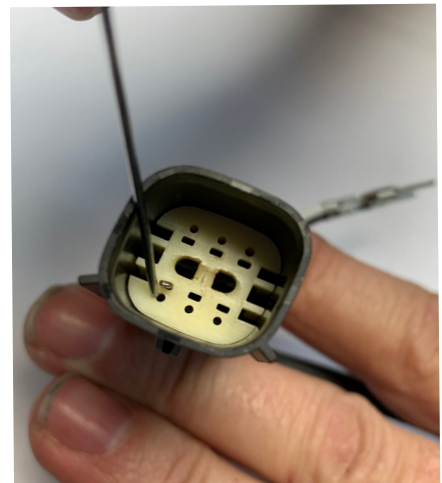
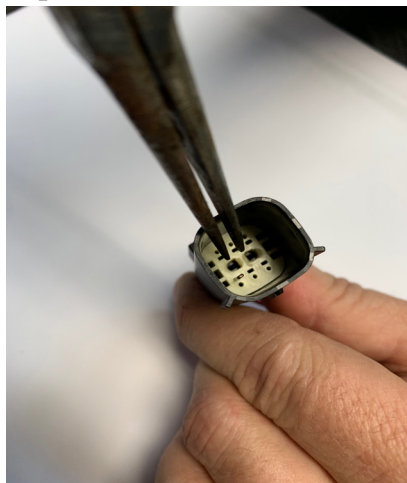
17. Take the left switch housing and tape wires to the left string at the grip housing hole. Apply supplied petroleum jelly to the wire loom.



18. Pull the wire loom through the left handlebar center clamp hole by pushing the taped end and pulling on the string end. Push and pull until the taped end is through the center clamp hole of the handlebars.



19. Some early models have a large, 6-wire moxex throttle wire plug which will need removed and reassembled. Write down the wire color to corresponding terminal for reassembly of the plug. Grab the center holes with needle nose pliers and pull white center until a click is heard. Insert a paper clip into the small hole next to the wire pin to release all the wires.



20. Tape throttle wires to the string that comes out the top throttle hole of the right handlebar.



21. Tape right switch housing wires to the left string that comes out the grip housing hole.

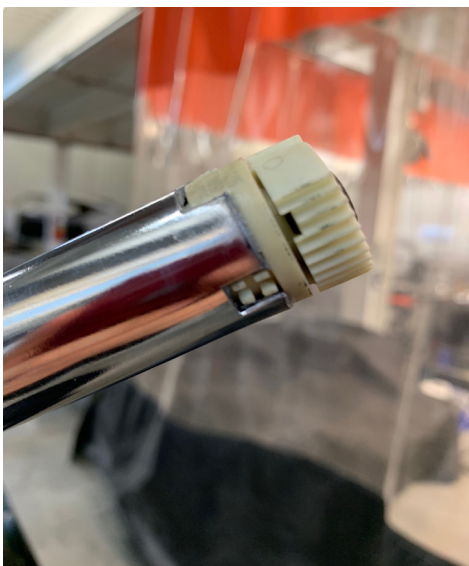


22. Add lubricant generously to both of the wire looms.

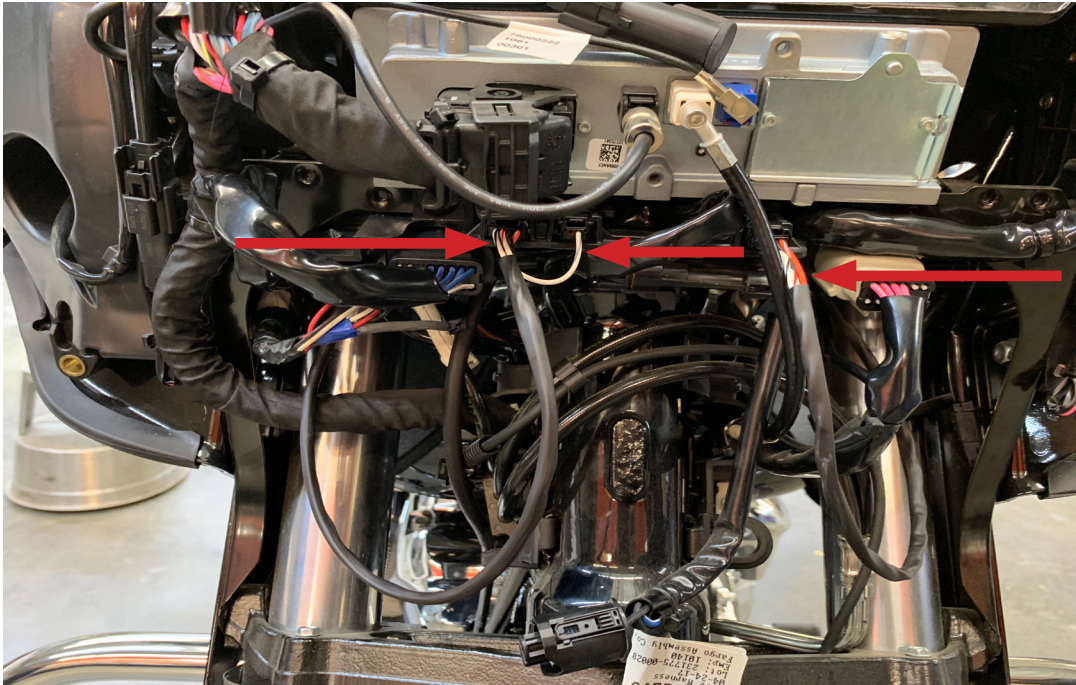
23. Pull the switch housing wire loom half way through the handlebar.

24. Pull the throttle wire loom past the first bend on the handlebar. Then alternate between the switch and throttle wire looms until they come through the handlebars at the center clamp hole.

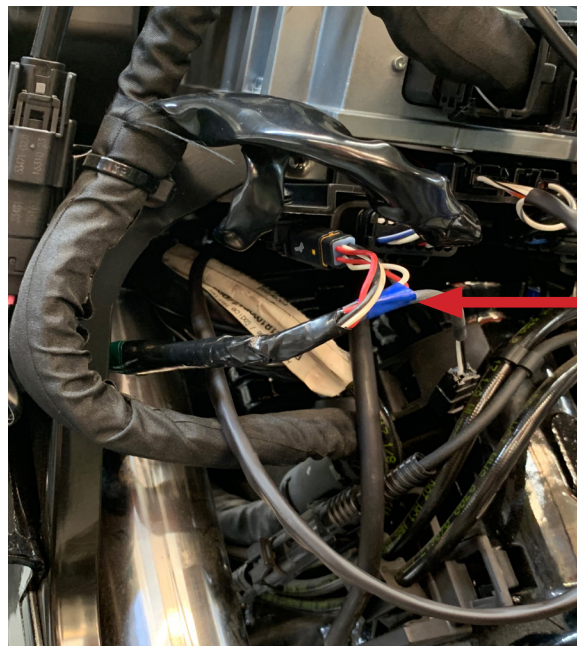
25. Make sure throttle tube notches are lined up with the handlebar.



26. Once wires are through, remove tape from the strings.
27. Install switches, housings, and grips. Make sure the throttle grip turns freely.
28. Install handlebars on bike and route wiring to stock location. Torque bolts to 18-22 ft. lbs.



Stock handlebar wiring



Stock handlebar throttle wire location

29. Reinstall brake master cylinder.
30. Prepare to install brake extension.
31. Bleeding process.

Items Needed: 1/4" Hose, Catch Cup, Brake Fluid

1. Open bleeder 1/4 turn and then install hose. Note: The bleeder valve provided is a speed bleeder. It has a spring and a ball inside of it. As you pump the levers, it allows fluid to pass out of the bleeder and reseals itself. No need for a vacuum bleeder.
2. Remove reservoir cap and position master cylinder in a downward position so air does not trap inside the reservoir.
3. Pump handlebar lever 8 to 10 times or until the lines are filled with fluid.
4. Re-tighten bleeder screw.
5. Apply brake/clutch and check for any leaks.
6. Reinstall gauge cluster.

32. Route brakeline extension on the front edge of the handlebars up into the fairing.



33. Bolt stock line with crush washer to the new banjo bolt bleeder. Zip tie the line back in place. Bleed the new line extension at the supplied banjo bleeder joint inside of the fairing.



34. Locate the clutch cable adjuster on the right side of the frame down tube.



35. Remove the cable clips from the frame. They will be reused.



36. Slide the adjuster tube up.



37. Use a straight screwdriver to remove the red clip. Then collapse the adjuster.



38. Rotate the yellow tube, and locate the little tab. Then separate it from the lower cable using the straight screwdriver.



39. Push the wire through from the backside using the screwdriver.



40. The cable is now split, as pictured.



41. Remove the yellow plastic piece by spreading open the two small tabs on each side.



42. This yellow part will not be reused.



43. Remove the lower portion from the tube extension, and slide it over the stock cable.



44. Use the two wrenches to loosen the adjuster on the wire extension. Slip the wire extension over the wire, hand tighten the nuts, bring the adjuster nut down, then tighten with the wrenches.



45. Slide the tube extension over the wire.



46. Push the upper clutch cable up the frame, and re-install into the new clutch extension tube.



47. Connect the upper cable to the lower cable, through the oval opening in the black tube.



48. Now you can adjust the clutch cable and reinstall the black tube cover.



49. After you slide the cover back on, reinstall the frame clips.

