



These instructions describe the procedure to properly install 10"-12" FBI EZ Install Handlebars for 2008-2013 FLHT, FLHTC, FLHTCU, FLHTK, FLHX & FL Trikes. You should review these instructions before installing the product as they contain important information regarding your FBI EZ Install Handlebars and Kit. Please keep instructions for future reference.

**909110- 10" FBI 1 ¼" Pointed/Flat Top Handlebars with 1" Clamp for 08-13 FLHT, FLHTC, FLHTCU, 709110** FLHTK, FLHX & FL Trike (Cable Clutch Models)

**909112- 12" FBI 1 ¼" Pointed/Flat Top Handlebars with 1" Clamp for 08-13 FLHT, FLHTC, FLHTCU, 709112** FLHTK, FLHX & FL Trike (Cable Clutch Models)

**909410- 10" FBI 1 ¼" Round Top Handlebars with 1" Clamp for 08-13 FLHT, FLHTC, FLHTCU, FLHTK, FLHX & FL Trike (Cable Clutch Models)**

**909412- 12" FBI 1 ¼" Round Top Handlebars with 1" Clamp for 08-13 FLHT, FLHTC, FLHTCU, FLHTK, FLHX & FL Trike (Cable Clutch Models)**

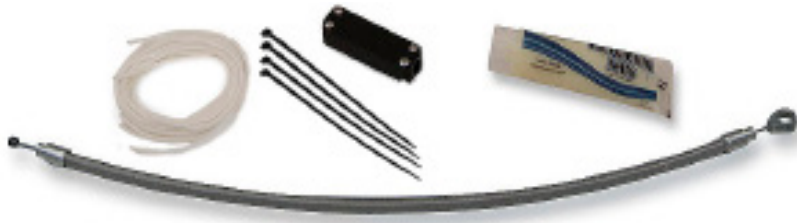
**809112- 12" FBI 1 ½" Pointed/Flat Top Handlebars with 1" Clamp for 08-13 FLHT, FLHTC, FLHTCU, 609112** FLHTK, FLHX & FL Trike (Cable Clutch Models)

**809412- 12" FBI 1 ½" Round Top Handlebars with 1" Clamp for 08-13 FLHT, FLHTC, FLHTCU, FLHTK, FLHX & FL Trike (Cable Clutch Models)**

**109112- Intall Kit for 10"-12" Handlebars for 08-13 FLHT, FLHTC, FLHTCU, FLHTK, FLHX & FL Trike (Cable Clutch Models)**

**WARNING: The rider's 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.**



109112

Tools & Supplies
3/16 Allen Socket
Torque Wrench
Small Flat Blade Screwdriver
T27 Torx
1/2 Wrench
9/16 Wrench
T25 Torx
T40 Torx
Side Cutters
Needle Nose Pliers
Small Pick
Paper Clip or Wire Detent Tool
Air Blower
Black Tape
3/32 Allen
1/4 Allen
Tank and Front Fender Cover
12 mm Wrench
13 mm Wrench
3/8 Wrench
7/16 Wrench

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



2. Remove ignition switch knob by inserting the key, and pressing and holding the button underneath the side of the knob while turning the key to the left past the unlock position. Pull the knob straight out.



Button Underneath Knob

3. Remove ignition nut and spacers from fairing cap.



4. Remove fairing cap.

5. Remove outer fairing and windshield.

6. Loosen clutch cable adjuster. Adjust cable to shortest setting.



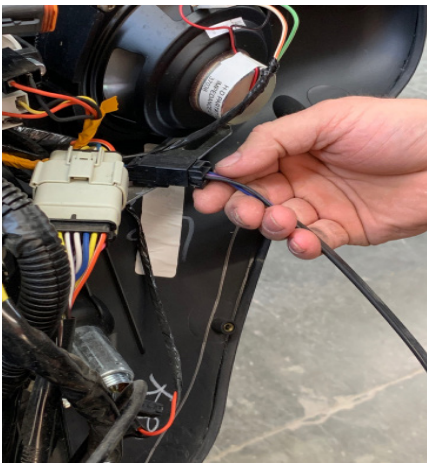
7. Remove clutch perch and remove cable from lever.



8. Pull clutch cable out of inner fairing.



9. Unplug and remove turn signals.



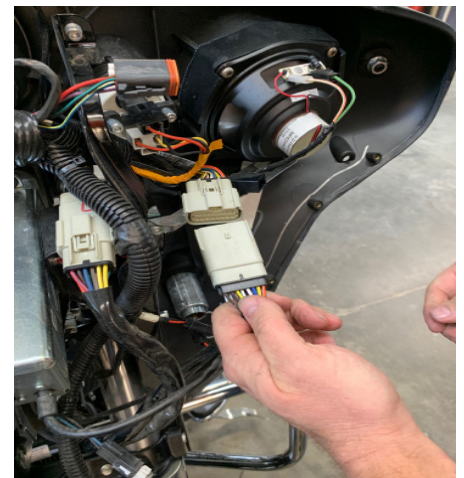
10. Unplug handlebar and throttle wiring.



Throttle Sensor Plug In



Right Handlebar Switch



Left Handlebar Switch

11. Remove lower triple tree cover. Rotate inner fairing forward by spreading bottom of fairing out away from forks and lifting up.

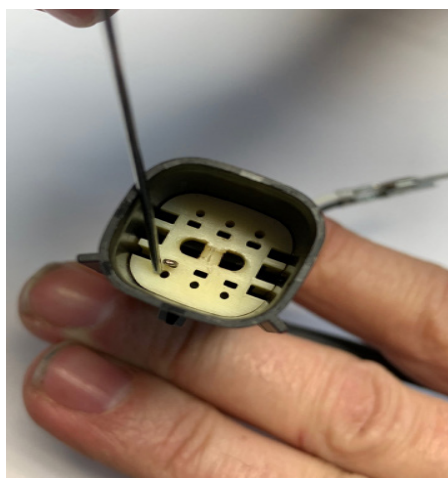


12. Cut zip ties that hold the wires to the handlebars and remove master cylinder and switch housings.

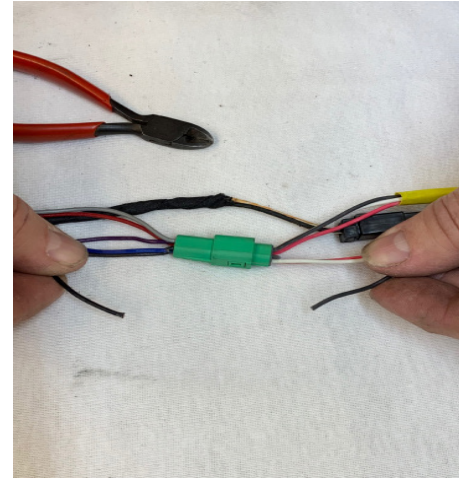
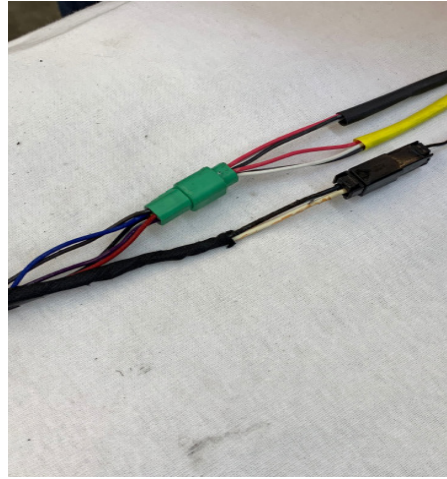
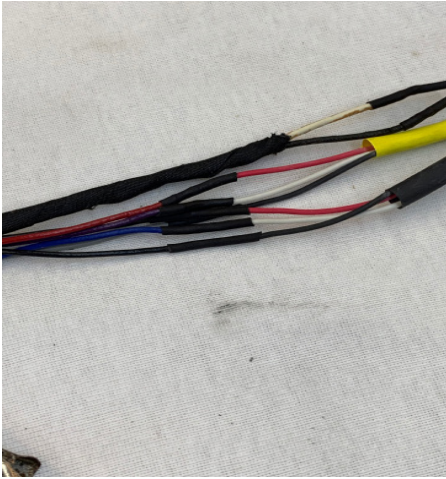


13. Remove the 4 bolts that hold the handlebar clamp and remove stock handlebars from bike.

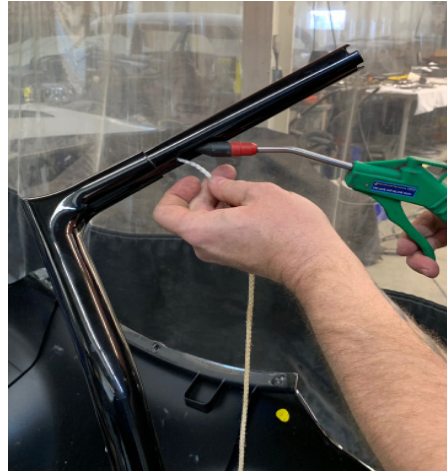
14. Remove mox plug from end of throttle sensor wires and mox plugs from switch housing wires. Insert needle nose pliers or pick into the center of the connector and pull outward until a click is heard. Then insert a paper clip or wire detent tool into the round hole next to the terminal to release the wire from plug-in. Before removing wires make notes of wire color to corresponding number on terminal.



15. Remove throttle tube sensor from stock handlebars. Cut and remove the green and black connector from the harness. When removing the green connector, cut and solder 1 set of wires at a time. Use the supplied shrink tube to cover soldered connections. Once all connections are made and soldered, wrap the harness with black tape.



16. 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.



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



18. Tape the right switch housing wires to the left string that comes out the grip housing hole. Tape throttle wires to the string that comes out the top throttle hole of the right handlebar. Add lubricant generously to both the switch and throttle wire looms. Pull the switch wire loom through the handlebar and then pull the throttle wire loom through the handlebar.



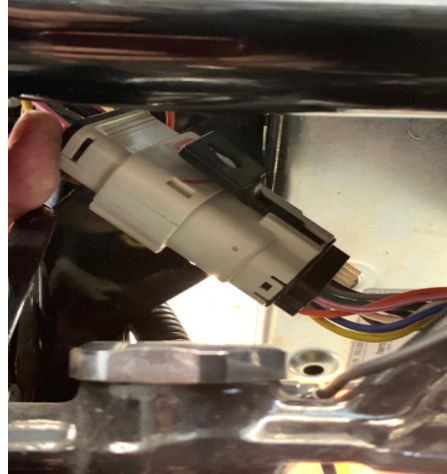
19. Once the wires are through, re-install the connectors by putting the correct color of wire to the corresponding number on the terminal that was written down in step 14. Install FBI handlebars onto bike. Torque handlebar clamp bolts to 18-22 ft. lbs



20. Reposition inner fairing to stock location on triple trees. Route throttle sensor wire to stock location and plug-in. Re-install front brake master cylinder.



21. Reroute switch housing plug-ins to top of triple tree to meet up with switch housing plug-ins on handlebars.



Left Switch Wires



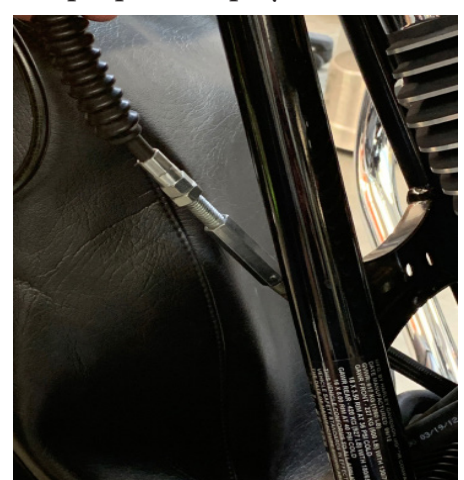
Right Switch Wires

22. Prepare clutch cable extension for installation.

23. Add lubricant to clutch cable box. Insert new cable and connect into one end of box. Insert stock cable into opposite end of box. Put loop over pin and install lid on box with supplied 4 screws.



24. Route new clutch cable end through the fairing and reattach to the lever. Install the lever and clutch perch combination to handlebars. Adjust clutch cable adjuster to achieve proper free play in lever.





25. Route clutch cable along top of the radio and loosely secure with supplied zip ties.



26. Reinstall lower triple tree cover, turn signals, outer fairing, and windshield.