



These instructions describe the procedure to properly install 14"-16" FBI EZ Install Handlebars for 2015-2020 FLTRX/S, 2016-2020 FLTRU. 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.

**909314-** 14" FBI 1 1/4" Pointed/Flat Top Handlebars with 1 1/4" Clamp for 2015-2020 FLTRX/S,  
**709314-** 2016-2020 FLTRU

**909316-** 16" FBI 1 1/4" Pointed/Flat Top Handlebars with 1 1/4" Clamp for 2015-2020 FLTRX/S,  
**709316-** 2016-2020 FLTRU

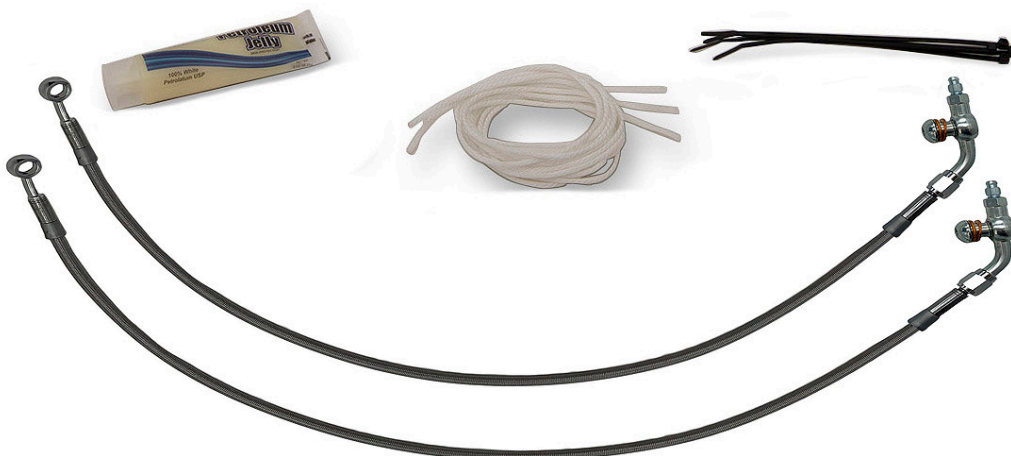
**809314-** 14" FBI 1 1/2" Pointed/Flat Top Handlebars with 1 1/4" Clamp for 2015-2020 FLTRX/S,  
**609314-** 2016-2020 FLTRU

**809316-** 16" FBI 1 1/2" Pointed/Flat Top Handlebars with 1 1/4" Clamp for 2015-2020 FLTRX/S,  
**609316-** 2016-2020 FLTRU

**109314-** Install Kit for 14"-16" Handlebars for 2015-2020 FLTRX/S, 2016-2020 FLTRU

**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.**

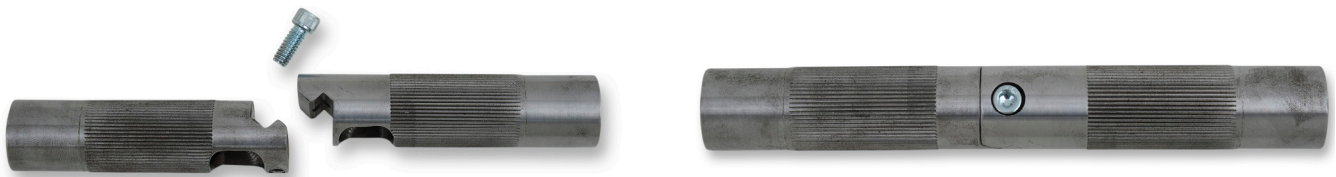
**Test brakes at low speed. If brakes are not operating properly, testing at high speeds can cause loss of control, which could result in death or serious injury.**



109314

Tools & Supplies Needed
T25 Torx
T27 Torx
13mm Wrench
3/8 Wrench
Phillips Screwdriver
Small Pick
7/16 Wrench
Side Cutters
12mm Wrench
1/4 Allen
Torque Wrench
Black Tape
Hammer
Air Blower
Tank Cover

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.

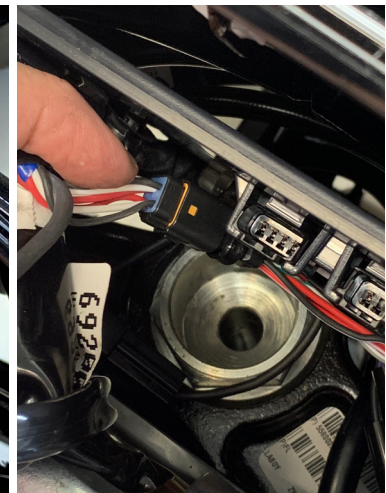
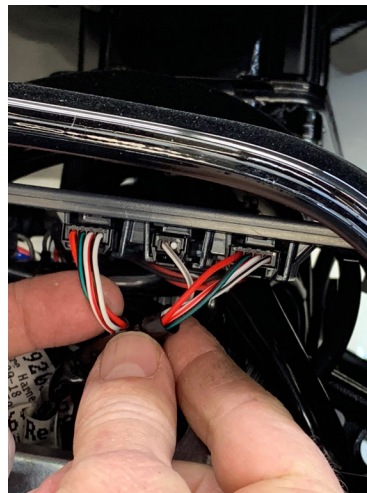


3. Cover fuel tank to protect from dropped parts and to prevent damage to paint.

4. Remove cover under ignition switch by pressing in on the back and pulling up. Be gentle-the small plastic tab breaks easily.

5. Remove gauge cluster by lifting straight up. Unplug the speedometer and two lower plug-ins.

6. Unplug 3 handlebar wires and throttle sensor wire.



Handlebar Switch Wires

Throttle Sensor Wires

7. Remove plastic divider. It will not be reused.



8. Remove master cylinder clamps and master cylinders. Lay master cylinders on top of covered fuel tank.



9. Remove the handlebar clamps by removing the 4 bolts that hold it together.

10. Remove stock handlebars.

11. Remove switch housings and switches from stock handlebars using small pick to release lock.



12. Remove grips from stock handlebars.

13. Take left switch housing and wires. Tape the wires to the pull string that comes out of the left grip tube hole. Apply supplied petroleum jelly to the wire loom.



14. Pull taped string and wires through left handlebar by pushing the taped end at the grip tube hole and pulling on the string end at the center clamp hole. Push the taped end then pull the string. Repeat until taped end is through the handlebar.

15. Tape throttle wires to string on the top end of right handlebar that comes out of the throttle tube hole.

16. Tape right switch wire to pull string on right handlebar that comes out of the grip tube hole.



17. Add lubricant generously to both wire looms.

18. Pull the taped switch wire loom through the handlebar first until they come through the center clamp hole, then pull the throttle tube wire loom through until they come out the same hole.

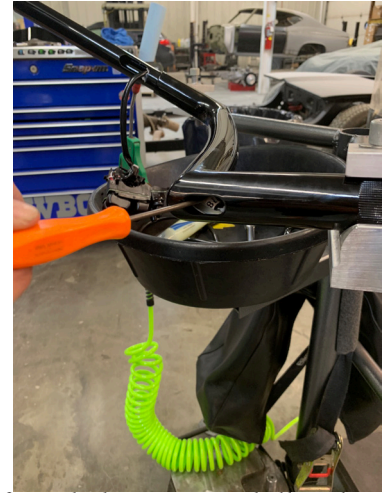
- If throttle wires become stuck in bottom corner of handlebars, you can access the wires through the hole in the bottom of the handlebar to help plug-ins around corner.
- Make sure throttle tube notches are lined up with handlebar.



Right switch wires pulled through right handlebar.



Access hole in bottom of handlebar.



If needed, use a 90° dull pick to help guide wires around corner.

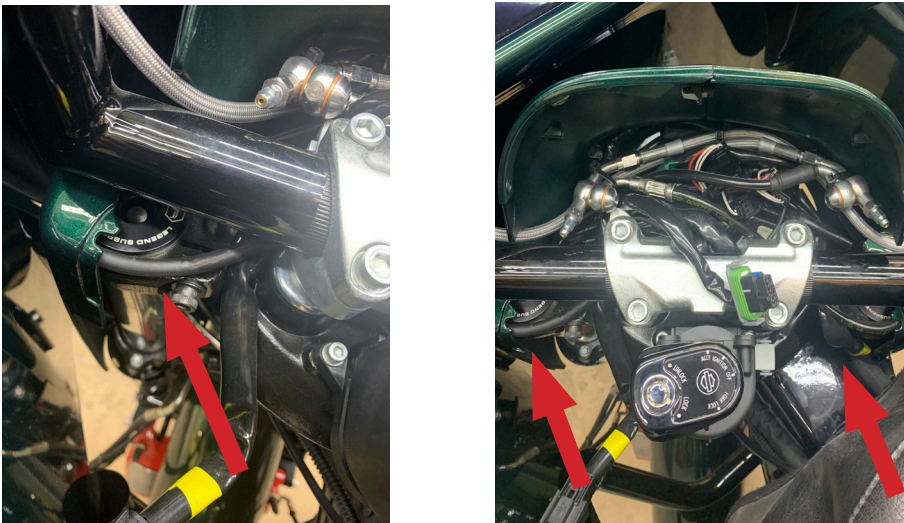
19. Use a hammer to push alignment pin down in bottom center of handlebar clamp. This pin is not needed with FBI's special knurling process which clamps handlebars tighter. Make sure the pin is below the clamp surface.



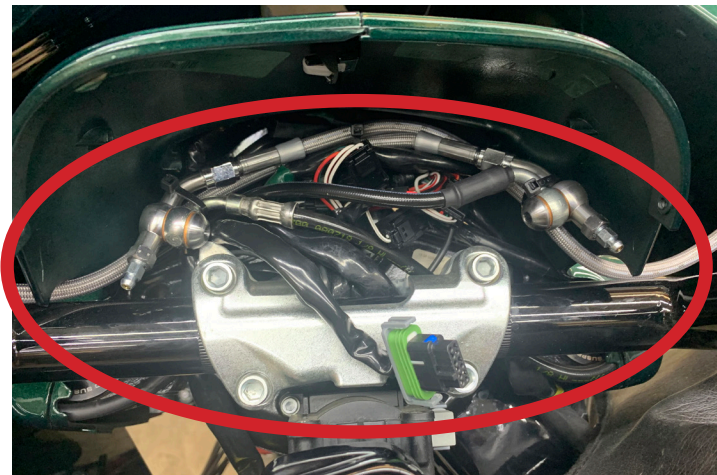
20. Install handlebars and handlebar clamp. Torque the 4 bolts that clamp the handlebars to 18-22 ft. lbs



21. Tuck stock line between fairing nacelle and top of triple tree.



22. Install brake/clutch line extension as seen in photo. Secure with zip ties.



23. Plug handlebar wires and throttle wire back in.



24. 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.