



INSTALLATION INSTRUCTIONS

EXTENDED CABLE/LINE KIT

2017-LATER* FLHTCU/FLHTK/FLHTKL/ FLHX/FLHXS® with ABS

PARTS INCLUDED



NOTE: clutch & brake line housings may vary depending on kit.

WARNINGS & ALERTS

- This kit is designed for controlling Harley-Davidson™ OEM components only, and is intended for models with anti-lock brake systems (ABS).
- Models equipped with ABS MUST have the brake system serviced by an authorized Harley-Davidson™ service center after the installation of this kit and prior to riding the motorcycle. Failure to do so could lead to a brake system malfunction resulting in loss of control, injury, or death.
- The supplied clutch line must be installed per factory specifications.
- Operators must use extreme caution when operating a modified motorcycle, particularly while familiarizing themselves with its altered characteristics.
- Once installation is complete, be certain ALL controls are properly adjusted to the specifications outlined in your factory authorized service manual before attempting to operate your motorcycle.

LIMITED WARRANTY

We continually inspect and try to improve our products. All parts have been inspected prior to packaging, and our guarantee is limited to replacement of defective parts. This guarantee is in lieu of all guarantees or warranties implied or expressed. Because we cannot control the application of our products, buyer assumes risks for any and all damage caused by himself or third party, by virtue of failure of these parts. We make no warranty as to products distributed by us, expressed or implied, including without limitation any warranties or merchant ability and fitness for a particular purpose. We will however, pass on all warranties made by the manufacturer, who has sole responsibility for performing such warranties. The manufacturer shall solely be responsible for any damage to person or property arising from design, manufacturing and testing of all products, and we accept no liability for such damages. We shall not be liable for indirect or consequential damages.

Read all the instructions carefully before installing this kit on your motorcycle. Use your authorized Harley-Davidson™ service manual as a reference while installing this kit.

DISASSEMBLY INSTRUCTIONS

In preparation to install your new handlebars and control extension kit, the following must be removed per your factory authorized service manual:

- Disconnect battery.
- Remove fairing to access the control connector housings.
- Remove the clutch reservoir & lever assembly from the handlebars, but do not loosen clutch line or open the system.
- Remove Fuel Tank.
- Remove the stock Throttle Control, complete with twist grip and wiring.

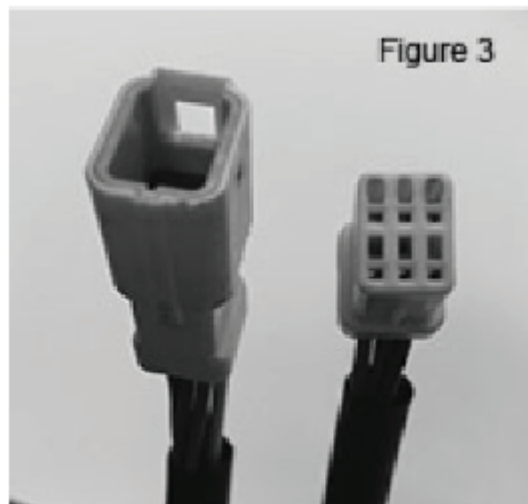
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WIRING HARNESS EXTENSIONS INSTALLATION (CONT.)

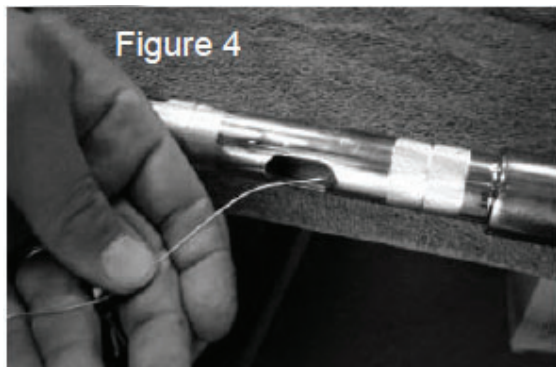
- Use the supplied "Plug in Extension" to extend the wiring for the electronic throttle control (throttle-by-wire) harness. This Plug in Extension can be identified by the 6-wire male and female connectors on the ends (Figure 3). Simply plug this onto the end of the OE throttle-by-wire harness. This Plug in Extension can usually be connected after the throttle control has been installed into the new handlebars.

NOTE: 13" Handlebars do not use the TBW extension.



INSTALLATION INSTRUCTIONS

- Using a wire "fish tape" tool or similar (thin wire coat-hanger, or safety wire), fish all the wires through your new handlebars from the bar-ends down to the middle and out to where the main harness connectors will be located. It is best to fish the wire tool up through the bars in the middle (Figure 4) and out by the control area first, then secure the newly extended wire harness to that wire tool (Figure 5) and carefully "pull" the wire harness back down through the handlebars to the center and out, while feeding the harness into the bar at the control area (Figure 6). Repeat on other side (Figure 7).



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BRAKE LINE INSTALLATION

- Assemble the brake line by threading the swivel fitting on the brake line to the hard line junction, but do not tighten the fitting. It is recommended that you keep all fittings loose until the line is installed on the bike, this will insure proper orientation of the fittings before tightening.
- Install the Burly extended brake line as you would a stock brake line per your factory authorized service manual, noting to route the new longer brake line in such a manner that no kinking or binding occurs through the entire range of steering. Check this by turning the handlebars all the way to the left and right while carefully observing the brake line. Also make sure there is no binding or stretching of the line when the fork is completely extended or compressed. With the extended brake line now on the bike, tighten the fitting at the hard line connection to the banjo block and secure with 6 to 9 ft-lbs. of torque.

NOTE: this torque value is for the hard line connections only. Refer to your factory authorized service manual for torque specifications for the banjo fittings.

- Refill the brake system with the recommended fluid and bleed any air out of it per the procedure described in your factory authorized service manual. Check for leaks and repair as needed.
- Reinstall the fuel tank per your factory authorized service manual.

WARNING

Models equipped with ABS must have the brake system serviced by an authorized Harley-Davidson™ service center after the installation of this kit and prior to riding the motorcycle. Failure to do so could lead to a brake system malfunction resulting in loss of control, injury, or death.

After Installing these components it is vital that ALL controls be adjusted to the recommended specifications noted in your factory authorized service manual. DO NOT attempt to operate the vehicle before making such adjustments or damage, injury or death may result.

