



INSTALLATION INSTRUCTIONS

EXTENDED CABLE/LINE KIT

2021* FLHTCU / FLHTK / FLHTKL / FLHX / FLHXS w/ABS

PARTS INCLUDED:



NOTE: Clutch & Brake-lines 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.
- The operator must use extreme caution when operating a modified motorcycle, particularly while getting familiarized 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.

**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.**

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*This instruction is appropriate for the models noted; However, you must confirm you have the correct kit part number for your specific bike by contacting Burly Brand

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IN PREPARATION TO INSTALL YOUR NEW HANDLEBARS AND CONTROL EXTENSION KIT, THE FOLLOWING MUST FIRST BE PERFORMED PER YOUR AUTHORIZED FACTORY SERVICE MANUAL:

DISASSEMBLY INSTRUCTIONS

1. Disconnect Battery.
2. Remove fairing to access control connector housings.
3. Remove the stock upper clutch cable noting the routing.
4. Remove Fuel tank.
5. Remove the stock Throttle Control, complete with twist grip and wiring.
6. Remove front brake reservoir & lever assembly from the handle bars but do not loosen brake-line or open the system.
7. Remove the left handgrip, both handlebar switch housings and the wiring attached to them.

NOTE: If your handlebar wiring is mounted outside of the bars, you need to remove all wire ties that hold the wiring in place. If the wiring is run through the bars, carefully remove it by pulling on the wire, not on the housing.

8. Remove stock handlebars.

INSTALLATION INSTRUCTIONS

1. Be sure you have completed the steps on the previous section, including DISCONNECTING THE BATTERY, before continuing!
2. 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 1) and out by the control area first. Secure one of the new extended wire harnesses (Left - 4 wire into 1 plug, Right - 5 wire into 2 plugs) to that wire tool (figure 2) 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 leaving enough wire exposed to plug in the control switches (figure 3). Repeat on other side (figure 4).

3. Install new handlebars and reinstall left and right handlebar control switches & turn signals (if removed) per your factory authorized service manual.
4. Now plug the handlebar control harnesses back into the main harness; be sure to plug the left plug into the left socket and the right plugs (both of them) into the right sockets. Also don't forget to plug the turn signal harness back in too (if separate from the control harnesses) as well as connecting the Throttle-by-wire harness extension (6 wire male & female connectors). This extension simply plugs into 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.
5. Now hook the battery back up and make sure everything functions properly. After doing that, re-secure the wire harness at the same points it was secured and proceed to clutch and brake line installation.

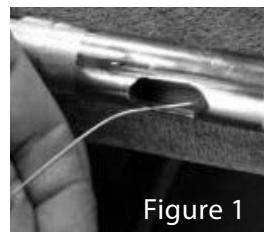


Figure 1



Figure 2



Figure 3



Figure 4

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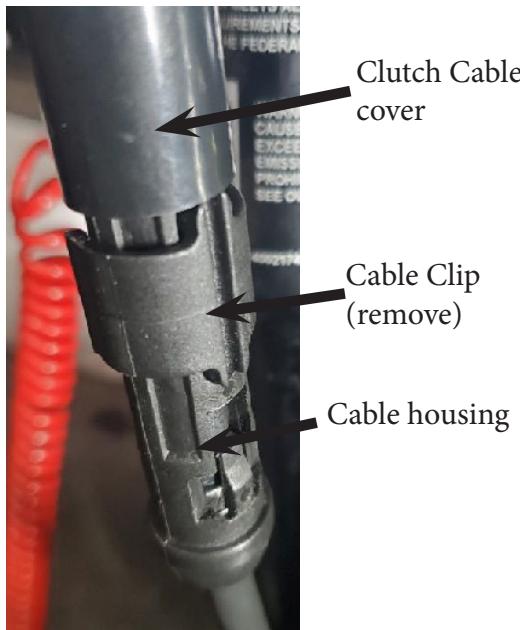
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CLUTCH CABLE INSTALLATION

1. Install the Burly extended upper clutch cable as you would stock cable per your factory authorized service manual - noting to route the new longer cable in such a manner that no kinking or binding occurs through entire range of steering. Check this by turning the handlebars all the way to the left and right while operating the controls.
2. Adjust the Clutch cable per the procedure described in your factory authorized service manual to ensure proper operation.

NOTE: When proper installation of the cable is complete, one more step must be taken into consideration prior to sliding back down the clutch cable cover. You must remove and discard of the cable clip as it is no longer needed after installation of the cable. This will allow the cable cover to slide over the entire cable housing without any interference.



BRAKE LINE INSTALLATION

1. 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.
2. 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. With the extended brake line now on the bike, tighten the fitting at the hardline connection to the banjo block and secure with 6 to 9 ft-lbs of torque. Note this torque value is for the hardline connection only. Refer to your factory authorized service manual for torque specifications for the banjo fittings.
3. 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.
4. Reinstall the fuel tank per your factory authorized service manual.

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WARNING

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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.

LIMITED GUARANTEE

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 can not control the application of our products, the buyer assumes risks for any and all damage caused by themselves or any 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 merchantability and fitness for 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.

