



INSTALLATION INSTRUCTIONS

EXTENDED CABLE/LINE KIT

2004-2013 XL Sportsters®

10" T Bars

PARTS INCLUDED



NOTE: Parts may vary slightly from picture

WARNINGS & ALERTS

- This kit is designed for controlling Harley-Davidson™ OEM components only, and is intended for models without anti-lock brake systems (ABS).
- The supplied clutch cable **MUST** be installed per factory specifications. Torque is not to exceed 60 in-lbs during installation.
- 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 authorized factory service manual:

- Disconnect battery.
- Remove your stock control cables - Throttle, Idle, and Clutch cables - noting routing.
- Drain your front brake reservoir & brake line and remove your stock brake line.
- Remove the left hand grip, throttle, both handlebar switch housings and the wiring attached to them.

NOTE: If your handlebar wiring is mounted outside 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 (this may be easier by first removing the connector housings noted on page 2. "WIRING HARNESS INSTALLATION INSTRUCTIONS".

- Remove stock handlebars.

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WIRING HARNESS INSTALLATION INSTRUCTIONS

- Be sure you have completed the steps in the previous section, including **DISCONNECTING THE BATTERY**, before continuing!
- If your current wiring is routed through your old handlebars and/or you are planning to route your control wiring harness through your new handlebars, you will need to follow the procedure outlined below. Otherwise, proceed to the Control Cable Installation section.
- Locate the left and right handlebar wiring connector housings. These are located in the headlight housing on earlier models and under the fuel tank on the left side of the frame on later models, requiring removal of the front fuel tank bolt and lifting the front of the tank slightly to access and remove the wiring harness cover. The connector housings are square or rectangular in shape and should either have 6 wires in each one (pre-2008) or have 6 wires for the right-hand controls and 8 for the left (2008-2013). If relocating, modifying, or replacing your turn signals, the turn signal connector housings should be in the same area.
- Cut the wire-ties required to easily access these connector housings - as well as all the wire-ties from the forward connector housings to the handlebar controls; they will need to be completely re-tied.
- Starting with either the left or right connector housing - but noting which is which - unplug the first connector housing and use needle nose pliers to carefully either remove the orange wedge from inside the center of the housing (pre-2008) or pull out the white center locking device of the housing (2008-2013).
- Using the diagram/worksheet on page 4 of these instructions, write down which color wire is in which position in the connector housing. On pre-2008 models use a small screwdriver to carefully move the locking finger away from each wire as you gently pull the wire out of the connector housing from the back. On 2008-2013 models, simply use a paper clip to carefully push the connectors out of the housing. Be sure to hold the rear seal of the connector housing in place as you do this, as removing the wires may displace the seal. At this point, if your handlebar control harnesses are running through your current handlebars, which you are replacing, then carefully pull them out of the handlebars by pulling the wire itself, not the handlebar control.
- At this point, if you are running your wires through your new handlebars, you should do this now by "fishing" a thick wire (or straightened wire-coat hanger) through your new handlebars from the center out then attach all wires in a bundle (one bundle on each side) and carefully PULL them through to the center and out. You need to do this before reinstalling the connector housing. Other wise continue to next step.
- Using the notes you made earlier regarding which color wire goes in which position in the connector housing, push the proper color wire contact straight into the connector housing grommet until a "click" is felt. A slight tug will confirm that it is locked into place. Repeat for all wires.
- Once all the contacts are back in place, re-insert the orange wedge (pre-2008) in the same orientation as it came out, or push back down into the center of the housing the white locking device (2008-2013). Either center piece will snap into place locking the connectors into the housing.



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WIRING HARNESS EXTENSION INSTALLATION INSTRUCTIONS (CONT.)

- Install new handlebars and reinstall left and right handlebar control switches per your factory service manual.
- At this point you are ready to plug your left and right handlebar control harnesses back into the main harness - be sure to plug the left into the left and the right into the right. Also, if you've disconnected, relocated, or otherwise modified your turn signals, don't forget to reconnect them too. It's suggested that you hook up 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 reinstall the fuel tank per your factory authorized service manual. Proceed to CONTROL CABLE and BRAKE LINE INSTALLATION.

CONTROL CABLE INSTALLATION

- Install the Burly extended control cables as you would stock cables per your factory authorized service manual - noting to route the new longer cables 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 operating the controls.

WARNING! The supplied clutch cable *MUST* be installed per the factory recommended torque specification. Refer to your factory service manual for proper torque specification. Exceeding the recommended maximum torque value of 60 in-lbs could lead to clutch cable malfunction resulting in loss of control, injury or death.

- Adjust the Clutch, Throttle, & Idle cables per the procedure described in your factory authorized service manual to ensure proper operation.

BRAKE LINE INSTALLATION

- 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.
- 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.

After installing these components it is vital that ALL controls must 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.



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