



## Installation Instructions Shortened Cable/Line Kit 97-13 XL Sportsters (w/single front disc brake)

### WARNINGS & ALERTS

- This kit is for Sportsters with a SINGLE FRONT DISC brake ONLY.
- This kit is designed for controlling Harley-Davidson OEM components.
- The installation of "Clubman" or Clip-on type handlebars may require the relocation or modification of turn signals and/or mirrors for clearance purposes.
- The operator must use extreme caution when operating a modified motorcycle, particularly while familiarizing himself 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 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 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.

### PARTS INCLUDED



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.

NOTE: The installation of "Clubman" or clip-on type handlebars may require the relocation or modification of turn signals and/or mirrors for clearance purposes. Since there are so many possibilities on how to address this, it is left up to the installer to decide and will not be addressed in these instructions.

### DISASSEMBLY INSTRUCTIONS

In preparation to install your new handlebars and shortened control kit, the following must first 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 handgrip, throttle, 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 (this may be easier by first removing the connector housings noted on page two in "WIRING HARNESS REMOVAL/INSTALLATION INSTRUCTIONS").

- Remove stock handlebars.

After completing these tasks, proceed with the three installation procedures noted on page two.



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### WIRING HARNESS REMOVAL/INSTALLATION INSTRUCTIONS

- 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.
- As with any repair or modification involving the wiring system, first disconnect the battery.
- 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 the 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-later). If relocating, modifying, or replacing your turn signals, the turn signal connector housing(s) 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 using some needle-nose pliers 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-later). Using the diagram/worksheet on page three of these instructions, write down which color wire is in which position in the connector housing. On pre-2008 models use a small screw driver 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-later 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 harness 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-coathanger) through your new handlebars from the center out then attach all the 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. Otherwise 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-later). Either center piece will snap into place locking the connectors into the housing.
- Repeat the last five steps on the other handlebar control harness.
- Install new handlebars and reinstall left and right handlebar control switches per your factory authorized 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 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 reinstall the fuel tank per your factory authorized service manual and proceed to cable and brake line installation.

### CONTROL CABLE INSTALLATION INSTRUCTIONS

- Install the Burly shortened control cables as you would stock control cables per your factory authorized service manual - noting to route the new shorter cables 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. We suggest the clutch cable be routed behind the headlight and exit between the upper and lower triple-clamps on the right side. The clutch cable should then cross the front of the frame back to the left side and be secured to the frame by the stock cable clamps.
- Adjust the Clutch, Throttle, & Idle cables per the procedure described in your factory authorized service manual to ensure proper operation.

### BRAKE LINE INSTALLATION INSTRUCTIONS

- Install the Burly shortened Brake Line as you would stock brake line per your factory authorized service manual - noting to route the new shorter Brake Line 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 carefully observing the Brake Line. Also make sure there is no binding or stretching of the line when 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 recommend 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.

