



Custom Dynamics® Handlebar Extension Kit Installation Instructions

We thank you for purchasing the Custom Dynamics® Handlebar Wire Extension Kit. Our products utilize the latest technology and high quality components to ensure you the most reliable service. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

Part Numbers: CD-BAR-EXT-7

Package Contents:

- 12" Hand Control Extension Wires (26)
- Heat Shrink 2.5" (26)
- Heat Shrink 14" (2)

Fits: '08-'13 FLHT, FLHR, FLHX, FLTR, and H-D Trikes

1. Locate and disconnect the Left and Right hand control Molex Connectors inside the fairing or behind headlight nacelle. The Left hand control connector is a Gray 16 position connector. The Right hand control connector is a Black 12 position Connector.
2. Remove the wires by removing pins from the connector. Note wire color and pin position before removal. Refer to page two for directions on removing pins from the Molex Connector.
3. Remove both hand control assemblies and harnesses from handlebar.
4. Connect the male pins of the hand control wires to the provided wire extension female pins. Color match wire extensions to the hand control wires.
5. Slide and center 2.5" heat shrink sleeve over the pin connections to insulate and protect the wires and pins. Then slide 7" heat shrink over all wires. Use heat gun to shrink tubing.
6. Route hand control harness with extension harness through the bars.
7. Insert wire pins into corresponding connector position. Reference Picture 4.

NOTE: The Extension wires will match with the wiring on the hand control harness. The diagram below lists wire position in the connector. Its possible to have a black/red and solid black in your hand control harness, match those wires with our Gray/ Red and light Gray extension wires.

8. Reconnect both left and right Molex Connectors to the bikes harness inside the fairing or behind headlight nacelle.
9. Reconnect the battery and test the functionality of all handlebar switches.



Please read all Information below before Installation

Warning: Disconnect negative battery cable from battery; refer to owner's manual. Failure to do so may result in electrical shock, injury, or fire. Secure negative battery cable away from positive side of battery and all other positive voltage sources on vehicle.

Safety First: Always wear appropriate safety gear including safety glasses when performing any electrical work. It is highly recommended that safety glasses be worn throughout this installation process. Be sure vehicle is on level surface, secure and cool.

**Left Hand Connector
(16 position, Gray)**

1. Orange/White
2. Yellow
3. Blue
4. White
5. White/Violet
6. Yellow/Black
7. Gray/Red
8. Brown/Black
9. Pink/White
10. Green/Blue
11. Gray/Green
12. Light Gray
13. Violet/Black
14. Orange/Black

**Right Side
(12 position, Black)**

1. Orange/White
2. Red/Blue
3. Gray
4. White/Black
5. White/Brown
6. Gray/Red
7. Brown/White
8. Gray/White
9. Pink/White
10. Violet/Black
11. White/Blue
12. Blue/Black

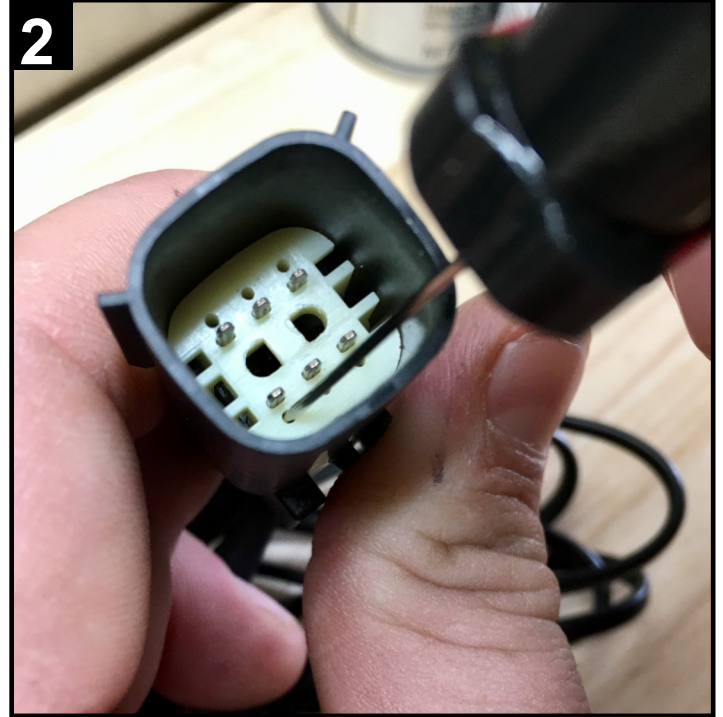
Questions? Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST

Installation Instructions - Page 2.

1. Unlock the secondary lock pin housing inside of male connector by placing a set of small needle nose pliers into the service holes and pull outward until it clicks into place.



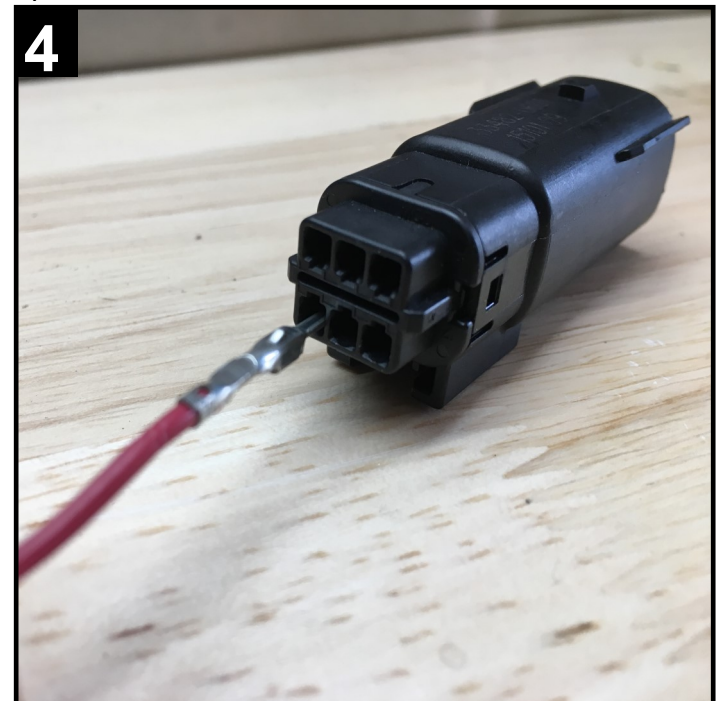
2. Once the secondary lock pin housing is unlocked, insert terminal release tool.



3. Pull wire to remove from the connector.



4. Replace each existing wire with our extended wires per color. Once all wires are inserted, push down on the secondary lock pin housing to lock in place.



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