



INSTALLATION MANUAL

Killer Custom "Killer Bull", "Monarch"
"Hellriser" and other handlebars



For questions pertaining to the installation of this product, please contact our Killer Custom technical department at info@killercustom.com

This product is manufactured in Europe by Killer Custom

NOTE: Killer Custom assumes no responsibility or liability for damage or injury of any kind arising out of the use or misuse of any products.

Tools & Materials Needed:

1. Socket wrench set, Allen wrenches, torque wrench
2. Screwdrivers (Phillips & flathead)
3. Wire cutters/strippers
4. Heat shrink tubing or electrical tape
5. Soldering iron & solder (optional for wiring)
6. Brake fluid (if applicable)
7. Loctite (medium-strength thread locker)
8. Lubricant (for internal wiring)
9. Zip ties or wire loom

Step 1: Preparation

1. **Ensure Safety:** Work in a clean, stable area with the bike on a lift or secure stand.
2. **Disconnect the Battery:** Remove the negative (-) terminal to avoid electrical issues.
3. **Remove Existing Handlebars:**
 - Remove handlebar controls, grips, and mirrors.
 - Detach clutch and brake cables.
 - Unbolt the risers or handlebar clamps and remove the old bars.

Step 2: Handlebar Wiring (If needed, if you bought prewired check the corresponding section of this manual)

1. **Measure & Plan:** Route the new wiring through the bars if internally wired.
2. **Extend Wires (If required):** Use solder and heat shrink tubing for a secure connection.
3. **Thread Wires:** Apply lubricant and carefully pull wires through the bars.

Step 3: Installing the New Handlebars

1. **Mount the Handlebars:** Place the bars into the risers or clamp.
2. **Check Alignment:** Ensure they are centred and at a comfortable angle.
3. **Tighten the Clamps:** Secure the bars with a torque wrench to the manufacturer's specification. We recommend tightening the handlebar clamp screw torque from 20 Nm to 29 Nm.

Step 4: Reinstall Controls & Cables

1. **Throttle & Hand Controls:** Slide on grips and throttle tube, reattach switch housings and levers.
2. **Clutch & Brake Lines:** If necessary, install longer cables or brake lines, bleed the brake system if replacing the line.
3. **Secure Wiring:** Use zip ties or wire loom to keep wiring tidy and away from moving parts.

Step 5: Final Checks

1. **Reconnect the Battery.**
2. **Test All Electrical Functions:** Turn signals, horn, and lights should work properly.
3. **Adjust & Tighten All Bolts:** Double-check torque settings on clamps and levers.
4. **Test Ride:** Check handlebar position and controls for comfort and functionality.

Notes

- Some models require additional handlebar risers or different control cables.
- If using electronic throttle control (TBW), ensure correct reinstallation.
- After ~100 miles (~160 km), recheck bolts and fasteners for loosening.

Ride Safe & Enjoy Your New Handlebars!

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Prewired Handlebars 2018-2024 Softail Wiring Guide

Left side

1. Left Control Switch

Label: *Hand Cont. Switch Module LH*

Wires from handlebar:

Yellow – White – Black – Red

Connect to your control module wires by soldering or other adequate method like this:

Handlebar end	Module end
Yellow	Red
White	Black
Black	White/Red
Red	White/Black

2. Left Turn Signal (if installed)

Label: *Turn Signal LH*

Wires from handlebar:

Red – Yellow – Black

Connect to your left turn signal wires by soldering or other adequate method like this:

Handlebar end	Signal end
Red	DLR Positive (+)
Yellow	Turn Signal Positive (+)
Black	Ground (-)

① Use only if your turn signals are mounted on the handlebars.

Right side

3. Right Control Switch

Label: *Hand Cont. Switch Module RH*

Wires from handlebar:

Yellow – White – Black – Red – Green

Connect to your control module wires by soldering or other adequate method like this:

Handlebar end	Module end
Yellow	Red
White	Black
Black	White/Red
Red	White/Black
Green	White/Grey

4. Twist Grip Sensors

Label: *Twist Grip Sensor 1 & Sensor 2*

Handlebar end	Twist grip sensor end
TGS1 Red	Red
TGS1 Green	White
TGS1 Black	Black
TGS2 Yellow	Red
TGS2 Orange	White
TGS2 White	Black

The motorcycle TGS has two groups of three wires: Red, White and Black in each group. Solder each complete group to our wires labelled Twist Grip Sensor 1 (TGS1) or Twist Grip Sensor 2 (TGS2), matching each row above. Keep the groups separate. If the groups are swapped, the throttle will work in reverse and the motorcycle will not start. Swap the two complete groups, keeping the colour matching above.

5. Grip Heating (optional)

Label: *Heating*

Wires from handlebar: White/Red – Black

Handlebar end	Heater end
White/Red	White/Red
Black	Black

6. Connect all the plugs to the corresponding ones on your motorcycle

Final Checklist:

- All wires securely soldered
- Heat shrink or tape used on all joints
- No exposed wires
- Everything tested before final assembly

If you're unsure – ask a professional installer. Incorrect wiring can cause permanent damage.

Enjoy your ride and thank you for choosing us!