



# Installation Instructions for M8 Softails Rear Harness KUS11501

A FACTORY SERVICE MANUAL WILL BE HELPFUL IN PERFORMING THIS INSTALLATION. DO NOT ATTEMPT TO PERFORM THIS INSTALLATION IF YOU ARE NOT CONFIDENT IN YOUR ABILITY TO COMPLETE ALL OF THE STEPS IN THE PROCEDURE; CONSULT A TRAINED TECHNICIAN. IMPROPER INSTALLATION COULD RESULT IN SERIOUS INJURY OR DEATH.

This harness provides an easy way to install aftermarket LEDs without cutting up the OEM turn signal harness and provides the additional wires required for bikes with OEM taillights.

1. Unplug stock turn signal harness from 4 pin connectors under the right side of the seat area. Note color of connector (black or grey) and which sides they go to. See picture #1.
2. Plug in the Kodlin harnesses, shorter set with brown wire is for right side and longer set with violet wire is for the left side. Route left side across fender away from moving suspension parts and along inside of fender strut. Keep wires in groove along inside fender strut. Removal of fender struts is required for this step.
3. Wire according to OEM style of taillights. LED examples are for Kodlin Neowise line of lights.
  - a. With dedicated center taillight and two wire turn signals with amber lens.
    - i. Right Side
      1. Blue harness wire to LED yellow wire for running light
      2. Brown harness wire to LED brown wire for right turn light (amber LED color)
      3. Red harness wire to LED red wire for brake light
      4. Black harness wire to LED black wire for ground
    - ii. Left Side
      1. Blue harness wire to LED yellow wire for running light
      2. Violet harness wire to LED brown wire for left turn light (amber LED color)
      3. Red harness wire to LED red wire for brake light
      4. Black harness wire to LED black wire for ground
  - b. With three function turn signals, run-turn-brake, and three wire turn signals with red lens.
    - i. Right Side
      1. Blue harness wire to LED yellow wire for running light
      2. Brown harness wire to LED red wire for brake and turn light (red LED color)
      3. **Red harness wire will not be used due to BCM configuration. See note 1.** Protect end from shorting or remove wire from connector
      4. Black harness wire to LED black wire for ground
    - ii. Left Side
      1. Blue harness wire to LED yellow wire for running light
      2. Violet harness wire to LED red wire for brake and left turn light (red LED color)

3. **Red harness wire not used due to BCM configuration. See note 1.** Protect end from shorting or remove wire from connector
4. Black harness wire to LED black wire for ground



Picture #1

**Note 1:** if your bike originally had turn signals running all three functions, Run/Turn/Brake on three wires you cannot run the amber LED (powered by brown wire on Kodlin Neowise lights) due to BCM configurations controlling brake light voltage. Even if using Kodlin harness providing the red wire for separate brake voltage, the BCM will always send voltage for brake light to pin 3 (brake) as well as pin 2 (turn) causing amber turn signal LED to light up also when brake is applied. The amber light is brighter and more dominant even if bright red LED is on and brake will appear amber. Wired as shown in line b. above will provide all three functions in red colored light like stock setup with three wires. Contact customer support if you need more information on BCM setting.

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