

Custom LED Electronic Flasher Relay (ELFR-1, ELFR-1-QD, ELFR-1-H, ELFR-U)

USER GUIDE AND INSTRUCTIONS

PLUG AND PLAY QUICK SETUP GUIDE (ELFR-1, ELFR-1-H & ELFR-1-U):

1) REMOVE THE OEM FLASHER RELAY FROM THE HARNESS AND PLUG IN THE ELFR-1 OR ELFR-1-H. MAKE SURE YOU HAVE PROPERLY IDENTIFIED THE FLASHER RELAY!

HARD WIRE QUICK SETUP GUIDE (ELFR-1-QD):

FOR RAIDER/WARRIOR/STRYKER AND SOME OTHER APPLICATIONS, CHECK THE COMPATIBILITY LIST ON THE ELFR-1-QD PRODUCT PAGE AT CUSTOMLED.COM FOR MOTORCYCLE SPECIFIC INSTALLATION GUIDANCE. IF YOUR MOTORCYCLE IS NOT LISTED THERE, PLEASE USE THE FOLLOWING INSTALLATION GUIDE:

1) LOCATE OEM FLASHER RELAY AND REMOVE IT FROM HARNESS (OR SNIP OFF WIRES – IDENTIFY WIRES AS PER STEP TWO).

2) IDENTIFY HARNESS WIRES (WITH A TEST LIGHT OR VOLT METER) AND HARD WIRE THE ELFR-1-QD AS FOLLOWS:

- RED WIRE ON ELFR-1-QD TO POWER SOURCE (IGNITION SWITCHED +12V)
- BLACK WIRE ON ELFR-1-QD TO BLINKER CIRCUIT SUPPLY WIRE (PULSES INTERMITTANT +12V WITH OEM FLASHER RELAY INSTALLED AND OPERATING PROPERLY). THIS WIRE LEADS TO THE BLINKER SELECTOR SWITCH ON THE HANDLEBARS IN MOST APPLICATIONS. CONSULT A REPAIR MANUAL OR USE CONTINUITY TESTER TO IDENTIFY THIS WIRE.

TROUBLESHOOTING

IF YOU HAVE INSTALLED THE ELFR-1 AND YOUR BLINKERS ARE NOT OPERATING PROPERLY, PLEASE DOUBLE AND TRIPLE CHECK YOUR WIRING! IF YOU ARE CERTAIN IT IS CORRECT, CHECK THE FOLLOWING WITH A MULTI-METER OR VOLTMETER:

- CHECK FOR +12V ON THE RED WIRE OF THE ELFR-1 (WITH IGNITION ON)
- CHECK THE TURN SIGNAL FUSE IN THE MOTORCYCLES FUSE BOX
- CHECK FOR INTERMITTENT +12V OUTPUT ON THE BLACK WIRE ON THE ELFR-1 WITH IGNITION AND TURN SIGNALS ON.

IF YOU HAVE CHECKED ALL THESE CONDITIONS AND STILL ARE NOT RECEIVING AN OUTPUT, PLEASE CONTACT CUSTOM LED TECHNICAL SUPPORT AT SUPPORT@CUSTOMLED.COM.

COMMON ISSUE:

IF YOU HAVE INSTALLED LED TURN SIGNAL INDICATOR LAMPS ON THE FRONT AND REAR OF YOUR MOTORCYCLE, AND NO LONGER HAVE ANY INCANDESCENT LAMPS ON YOUR BLINKER SYSTEM, YOU MAY FIND THAT BOTH THE LEFT AND RIGHT BLINKERS BLINK AT THE SAME TIME – REGARDLESS OF WHAT DIRECTION YOU CHOOSE ON THE TURN SIGNAL SWITCH ON THE HANDLEBARS. THIS PROBLEM IS DUE TO CROSSOVER VOLTAGE THROUGH THE TURN SIGNAL INDICATOR LAMP ON THE GAUGE CLUSTER. PLEASE READ THE DETAILED 4-WAY BLINK PROBLEM ARTICLE IN OR TECHNICAL BLOG AT WWW.CUSTOMLED.COM FOR INFORMATION ON THIS PROBLEM, AND HOW TO PROPERLY FIX IT.
