

# evoluzione cyclesports

installation instructions

## taillight/turnsignal conversion & license plate relocater for ducati 748/916/996/998

part number 80021

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this **evoluzione cyclesports taillight/turn signal conversion & license plate relocater kit** was developed for the 748/916/996/998 rider who would like to simplify the rear end view of their bike by incorporating the turn signals into the factory brake light and remove the large factory license plate holder. another nice feature of this kit is a simplified wiring harness utilizing the factory "weather-pack" type connectors to allow quick and simple installation. **note:** may not be street legal in all states - check local laws.

### introduction

this **evoluzione cyclesports taillight/turn signal conversion & license plate relocater kit** is easy to install by carefully following the instructions. read all instructions first to familiarize yourself with the parts and procedures.

### installation

caution: It is suggested that the bike be allowed to cool off for a few hours to avoid burns from hot exhaust and parts.

**step 1.** remove the six fasteners holding the right side lower fairing.

**step 2.** with a 10mm wrench, disconnect the negative battery lead.

**step 3.** unlock and lift the seat/tail unit to its full upright position

**step 4.** disconnect the black three wire connector attached to the underside of the seat/tail unit (please see photo one).

**step 5.** with a philips screwdriver, remove the screw holding the ducati three wire connector bracket to the seat/tail unit.

**step 6.** using an 8mm wrench, carefully remove the two bolts holding the seat pin bracket and taillight assembly to the seat/tail unit. remove the taillight assembly and harness (watch for the rubber "bumper" attached to the taillight

lens).

**step 7.** with a philips screwdriver, remove the three screws holding the lens to the taillight base assembly.

**step 8.** grasp the dual bulb light assembly and carefully pull it straight up.

**step 9.** using the supplied drill bit, carefully drill out the copper rivet that is holding the grey/red wire (please see photo two).

**step 10.** remove the two blade terminals that were held by the rivet drilled out in step 9. carefully remove part of the "ear" as shown in photo three.

**step 11.** insert the supplied nylon screw through the terminal on the grey/red wire. next, push the screw through one of the blade terminals and reinstall on the left side of the dual bulb light assembly, opposite of where the wire was originally attached (please see photo four). note: make sure the blade terminal "ear" is correctly seated in

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the small hole.

**step 12.** from the other side of the light assembly, reinstall the other blade terminal and the ring terminal on the supplied green wire. next, install and tighten the supplied nylon nut as shown in photo five. note: make sure the blade terminal "ear" is correctly seated in the small hole.

**step 13.** carefully reinstall the dual bulb light assembly into the tail light base. gently feed the green wire through the grommet in the taillight base.

**step 14.** carefully thread the green wire through the three rubber harness grommets so the end is near the black ducati three wire connector.

**step 15.** using a pair of wire strippers & crimpers, attached the supplied bullet connector to the end of the green wire.

**step 16.** reinstall the taillight lens to the taillight base assembly with the three philips screws.

**step 17.** reinstall the taillight assembly and seat pin bracket on to the seat/tail unit (make sure the rubber "bumper" is still attached) and secure with the two bolts. **note:** run the harness under the seat pin bracket.

**step 18.** press the harness into the three moulded mounts.

**step 19.** reattach the ducati connector bracket to the seat/tail unit with the philips screw.

**step 20.** find a suitable mounting location for the control module (suggested placement: on top the ecu). clean the mounting location with rubbing alcohol and a cotton ball. remove the backing tape from the control module and gently press the module onto the surface.

**step 21.** carefully route the two module wire harnesses with connectors to the ducati connectors. plug the module's female connector into the ducati male connector and the module's male connector into the ducati female connector. also plug the single green module wire into the into green bulb wire.

**step 22.** locate the wire harness

that feeds the rear turn signals (the right pair is green/white stripe and solid black, the left pair is white/black stripe and solid black). disconnect these wires from the turn signals.

**step 23.** insert the green module wire into green/white stripe ducati harness wire. insert the yellow module wire into white/black stripe ducati harness wires (leave the other two ducati black harness wires empty).

**step 24.** gently feed the ducati turn signal wires through the grommet in the upper heatshield and remove the turn signals.

**step 25.** with a phillips screwdriver, remove the lens from both front turn signals. remove the stock bulbs and replace with the supplied front turn signal bulbs. reinstall the lenses.

**step 26.** carefully disconnect the two bullet connectors attached to the plate illumination light. gently feed the these wires through the grommet in the upper heatshield.

**step 27.** using a 8mm wrench, remove the three (3) bolts holding the subfender to the underseat tray and fully remove the subfender.

**step 28.** remove the license plate from the subfender and reattach the top of the license plate to the relocater bracket.

**step 29.** install the supplied flat head bolt through the counter-sunk hole on the base plate then screw it into the supplied aluminum tube and tighten. install the supplied pan head bolt through the supplied washer then through the license plate bracket and screw it into the other side of the aluminum tube and tighten. secure the assembly to the three original wellnuts using the three stock bolts removed earlier.

**step 30.** using a 13/32" drill bit, drill a hole in the underseat tray directly above the license plate. install the metal collar from underneath and secure with the lock washer and nut. install the bulb into the bulb holder and thread the assembly into the collar (from the top). thread the clear lens into the collar from underneath. connect the wires to the license plate light harness

(note: the wires can be hooked up either way). using the supplied tie wraps, neatly bundle the wires. lower seat.

**step 31.** carefully lower seat/tail unit, making sure that none of the wires get pinched.

**step 32.** reconnect the negative battery lead. turn the key to "on" and check that the turnsignals, brakelight, taillight and license plate illumination light function correctly.

**step 33.** reattach the lower fairing with the six fasteners.

### parts list

taillight/turn signal module  
30" wire w/ring terminal  
drill bit  
18 ga. bullet connector  
nylon screw  
nylon nut  
front turn signal bulb (2)  
relocator bracket w/tube  
aluminum base plate  
collar with nut/washer  
bulb holder w/ harness  
bulb  
clear lens  
1/4-20x1/2 flat head bolt  
washer  
1/4-20x1/2 pan head bolt

### tools required

screwdrivers  
wire strippers & crimpers  
electric drill  
socket wrench/metric sockets  
8mm & 10mm wrench  
5mm allen wrench  
13/32" drill bit



photo one



photo two



photo three

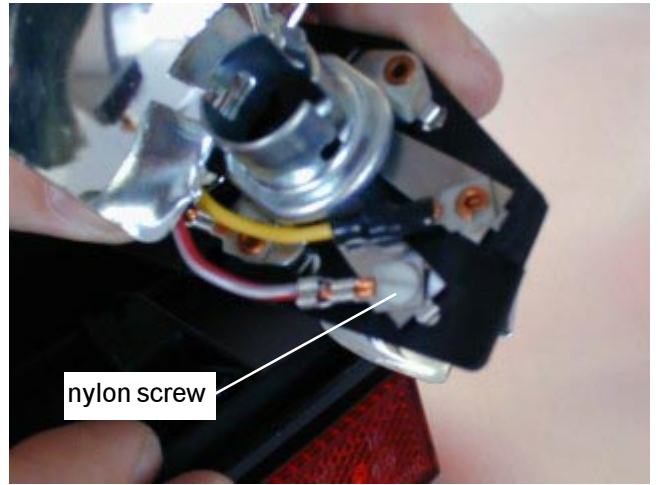


photo four

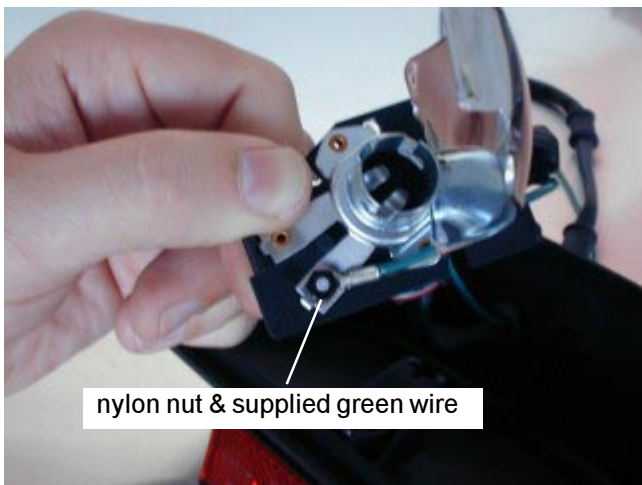


photo five