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Installation Instructions

p/n 07660, 08/31/06, version 3

Trailer Isolator, Relay Version

This sheet must be read completely to:

1. Provide assistance/clarification to the installer.
2. Avoid causing injury to installer, customer, end user, or others.
3. Prevent damage to motorcycle and/or accessory.
4. Prevent death to customer or other vehicle operators.

Installer: Please forward this sheet to the customer after reviewing it.

It is virtually impossible for us to be able to address every possible situation an installer or user will encounter. This requires both to exercise due diligence and to apply some level of common sense. If you have any question or problem during the installation, please contact us as necessary. Read the instructions completely prior to installation. 90% of questions we receive could be answered simply by reading the instructions in their entirety. Phone support will always provide the quickest response.

Important information in our instructions will be provided in the following manner:

SHOP TIP: this is information we have gathered from hands-on installs or customer feedback.

NOTE: important information regarding the installation.

CAUTION: failure to follow instructions could result in damage to motorcycle and/or accessory.

WARNING: failure to follow instructions could result in injury or death of operator and/or passenger or others.

NOTE:

1. "Left", "Right", "Front" and "Rear" are described from the seated position of the bike.
2. Check local laws regarding the use of auxiliary lighting.
3. Use of owners manual or service manual is recommended for installation.
4. If so equipped, place the motorcycle on it's centerstand on solid, level ground.

CAUTION:

1. Never route wires or install components that interfere with the operation of the forks, handlebars, brake/clutch levers or any other operational function of the motorcycle.
2. When adding electrical accessories, always disconnect the battery and properly fuse new electronics.

WARNING:

1. Allow the motorcycle to cool prior to installation & when operating engine, allow adequate ventilation.
2. NEVER modify the kit in ANY manner. Doing so voids warranty and places all liability on the installer and/or user.
3. Never route wires or install components that interfere with the operation of the forks, handlebars, brake/clutch levers or any other operational function of the motorcycle.
4. Never allow your accessories to cause distractions to remove your focus off the bikes operation. Never forget that this is a high risk sport - don't make it a higher risk when you don't have to.
5. Never allow your accessories to cause distractions to others on the road.

Parts Listing:

#	Qty	Description
1	1	Trailer Isolator
2	2	1/4" ring terminal
3	1	blue butt connector
4	1	fuse holder
5	1	30 amp fuse

Tools & Supplies Required

wire strippers
wire crimper
screwdrivers

NOTE: 1. If your trailer has "domestic" type lighting (combined turn/brake lights and a 4 pin harness), you will also need to use our Trailer Light Converter, p/n 07664. This isolator is designed for the more common "import" style lighting.

2. The 4 pin connector on the isolator is the INPUT. The output has no connector on it.

CAUTION: do not connect by wire color. You must review actual function as there is no industry standard for motorcycle trailer wiring.

1. This relay package requires the use of a sub harness. If your subharness has not been installed, follow the installation instructions provided with the subharness and install it now.

2. Find a suitable mounting location for your isolator if not discussed in the subharness instructions. Keep in mind the length of wire from the subharness that will plug into the isolator and to not extend beyond that length.

3. Plug the 4 pin connector from the subharness to the isolator.

4. Connect the red wire from the isolator to your battery + terminal using the supplied fuse holder.

NOTE: On your fuse holder, cut the wire in the middle of the loop if not already done.

5. Connect the black wire from the isolator to frame or battery ground.

6. Connect the outputs from the isolator to your trailer connector as follows:

If you did not use the Trailer Light Converter, the outputs from the isolator are:

- Green - running lights
- Brown - left turn
- Yellow - right turn
- Blue - brake lights
- Black - Ground

If you did use the Trailer Light Converter, the outputs from the isolator are;

- Green - running lights
- Brown - left turn & brake
- Yellow - right turn & brake
- Blue - accessory output (see instructions in Trailer Light Converter)
- Black - ground

7. Insert the supplied 30 amp fuse into the holder and test isolator functions.

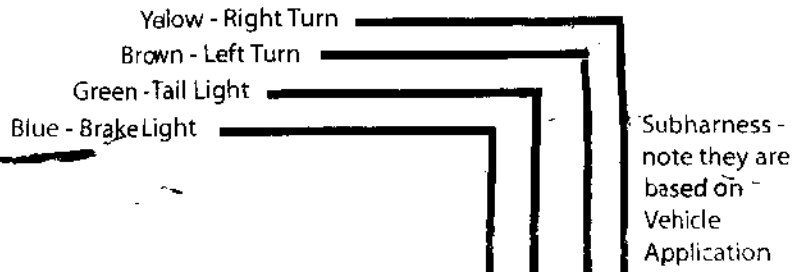
Specifications:

Main fuse - 30 amp

Max current each relay - 15 amp

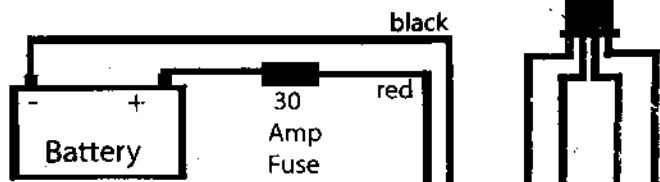
Generic Wiring Diagram for Trailer Relay Packages

Subharness Connections - Universal Shown

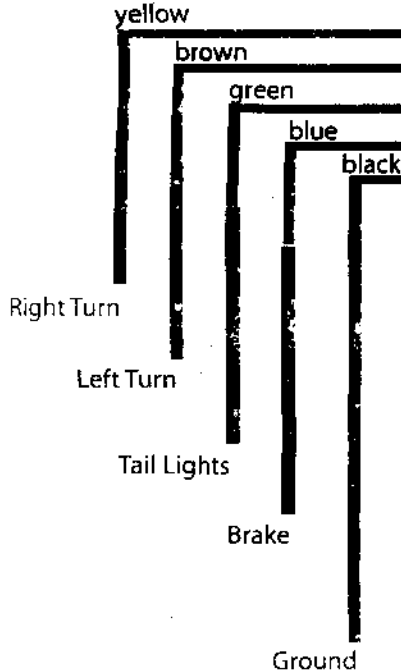


5 to 4 Import to Domestic Light Converter

Converter not always required. Connect sub-harness directly to relay package when not needed.



OUTPUTS



Relay Block

INPUTS

