

## Installation Instructions:

### Installing it on your vehicle:

1. Find a good location for mounting the module. Typically this is near the left turn signal under the vehicle on the frame rail or in the trunk. Mount the module with screws or good quality plastic zip ties.
2. Ground the white wire by attaching the ring terminal to a clean metal surface. This can be done by placing it under an existing screw or by drilling a new 3/32" hole and using a self-tapping screw.  
**Caution!** Check what is behind any surface before drilling to avoid damage to the vehicle and/or personal injury.
3. Find a good location to mount the alarm siren. Typically this is under the hood near the vehicle battery. Mount the siren with the bracket provided or good quality two sided foam tape (not included).
4. For safety, disconnect the vehicle's negative (-) battery cable.
5. It is recommended that an inline fuse be used on the module power cable (not included). Attach the fuse holder (with the fuse removed) to the vehicle's positive (+) battery lead using a ring terminal. Typically 3/8" for top terminals or 1/2" for side terminals.
6. Attach 12 gauge automotive wire to the other end of the fuse holder with a butt connector and route the wire to the module either under or through the vehicle. Secure the wire where appropriate.  
**Caution!** If passing the wire through sheet metal, always use an existing grommet, add a grommet or insulate the wire from the metal with silicone rubber.
7. Attach the 24 gauge wire to the red wire of the alarm siren with a butt connector and route the wire to the module either under or through the vehicle.
8. Attach the 12 gauge wire to the module with the yellow butt connector on the black wire.
9. Attach the 24 gauge wire to the orange wire of the module with a wire tap.
10. Reconnect the vehicle's negative (-) battery connection. The black wire of the siren should either be grounded to the vehicle frame as done with the white wire in step 2 or it can be connected to the negative (-) terminal of the tow vehicle battery.

### Tools Needed:

- Pliers or crimp tool
- Screw driver

### Parts that could be needed depending on the application (Not Included):

- In-line Fuse holder
- 12 gauge automotive wire (battery)
- Ring terminals (battery)
- 24 gauge automotive wire (siren)
- Butt splices
- Self-tapping screws

**Caution!** Consult the vehicle's manual for any special battery re-connection instructions.

### 11. Determine if the vehicle has a 2-wire or 3-wire light system.

**2-wire system:** Has the same bulb for stop and turn signals. If your vehicle has a 2-wire system, attach a spade terminal to the red "stop" wire of the module and ground it with the white wire from step 2.

**3-wire system:** Has a separate bulb for stop and turn signals. These can both be red, or the turn signal can be amber. If your vehicle has a 3-wire system, using a circuit tester determine which wire is the "stop" wire and attach the module's red wire with a wire tap.

### 12. Using a circuit tester:

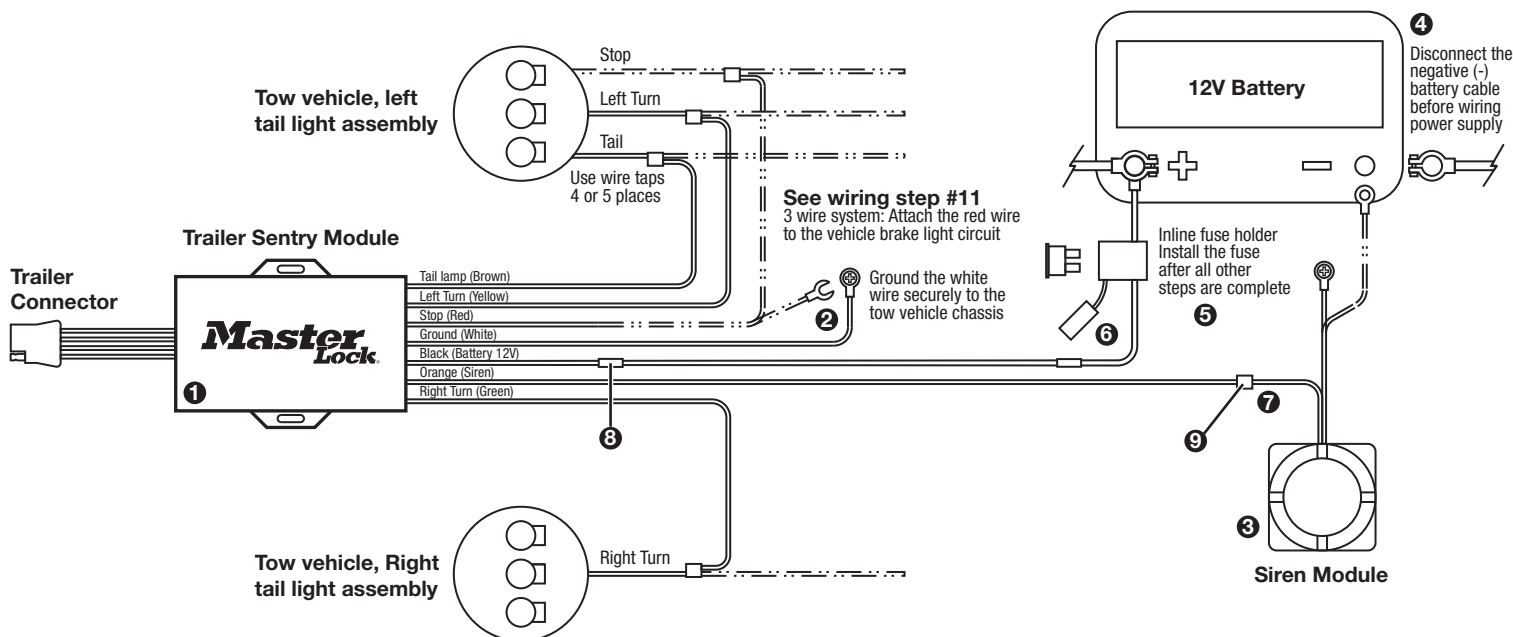
Determine which wire in the tow vehicle's left tail lamp assembly is the "left turn" wire and attach the module's yellow wire using one of the wire taps. Determine which wire is the "tail lamp" wire and attach the module's brown wire using a wire tap.

13. Route the module's green "right turn" wire to the right side of the tow vehicle, near the tail lamp assembly. Determine which wire is for "right turn" and attach it to the green module wire with a wire tap.

14. Install the fuse into the fuse holder and test the installation with a circuit tester or a trailer that is known to have properly functioning lights.

**Warning!** It is always important to verify all lights are functioning properly each time the vehicle is used for towing.

**Warning!** Overloading the circuit can cause fires. DO NOT exceed 10 amps of current draw through the module.



## Operating Instructions:

### Operating system once on your vehicle:

#### Arming:

Press button one (the larger one) on the remote. The siren will chirp once and the trailer lights will flash once to confirm the system is armed.

- Once armed, the system will alarm if the trailer plug is disconnected from the vehicle or if the light wires are cut. The alarm will sound for 30 seconds.

**\*Note:** If the system alarms immediately when the button is pushed, check the trailer plug connection. If the system alarms and the plug is connected, some of the trailer lights might be out. During the alarm the trailer lights will flash to help pinpoint which bulbs may be burnt out or loose. The system requires a tail lamp and at least one turn signal to function.

#### Disarming:

During an alarm: Press button one (the larger one) on the remote – the alarm will stop. The siren will then chirp (4) times and the trailer lights will flash (4) times to confirm the system has been disarmed.

From Standby: Press button one (the larger one) on the remote. The siren will chirp twice and the trailer lights will flash twice to confirm the system is disarmed.

#### Disabling the trailer lights: (Optional Boat Ramp Use)

Press button 2 (the smaller one) on the remote. The siren will sound a short alarm followed by one chirp, flash the lights (3) times and then disconnect the trailer lights for 15 minutes

or until button is pushed again. If button two is pushed again, the siren will sound a short alarm and flash the lights (4) times to confirm the trailer lights are active.

#### Replacement remote pendant learning:

During the learning sequence it is required that the stop, left and right turn wires on the module be directly connected to a 12VDC source (battery). This can be done using some additional wire run temporarily from the vehicle battery and the connections can be made with wire taps like those used during the installation or by cutting the module wires then reattaching later with butt splices.

1. Connect the stop (red) wire to a 12VDC source.
2. Within 5 seconds of connecting the stop wire, connect the left turn (yellow) wire to the 12VDC source. After 5 seconds the siren will chirp twice.
3. After the siren chirps twice, disconnect the left turn wire and within 5 seconds connect the right turn (green) wire. After 10 seconds the siren will chirp twice.
4. Within 6 seconds of the chirp, press button 1 (the larger one) on the new remote. The siren will chirp twice to confirm the remote has been learned.
5. Within 6 seconds on the confirmation press button 1 on a second remote (if needed), again the siren will chirp twice to confirm.

**\*Note:** The system may only be programmed for two remotes.