

Easy-On Wireless Tail Lights

User's Guide

TAKE NOTICE: BY INSTALLING OR OTHERWISE USING THE EASY-ON WIRELESS TAIL LIGHTS YOU AGREE TO FOLLOW THE BELOW DIRECTIONS CAREFULLY AND BE BOUND BY THE LIMITATION OF LIABILITY SET OUT BELOW. IF YOU DO NOT ACCEPT THIS LIMITATION, THEN YOU ARE NOT AUTHORISED TO INSTALL OR USE THE EASY-ON WIRELESS TAIL LIGHTS, WHICH YOU SHOULD RETURN UN-USED FOR A FULL REFUND.

WARNING: The Easy-On Wireless Tail Lights contain powerful magnets. Read this entire manual before using the Tail Lights, and follow the safety guidelines documented in this manual.

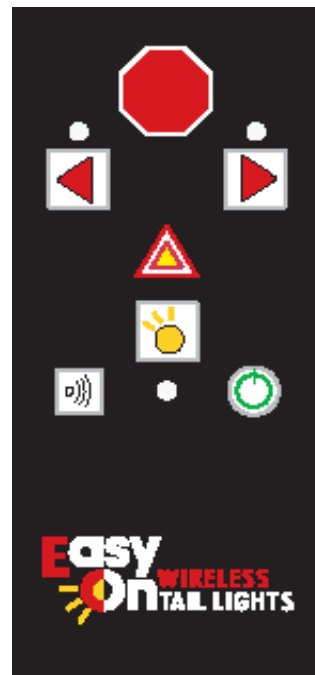
Introduction

The Easy-On Wireless Tail Lights are magnetically attached tail lights designed for temporary or emergency use. The Tail Lights are operated by a wireless Remote control unit - a connection to the vehicle's wiring harness is not required.

Your system includes two Tail Lights and a Remote control. Each Tail Light will be labeled as either a 'left side' or 'right side' light. Look for this when you are installing the Tail Lights – the 'left side' light must be attached to the left side of your vehicle, when looking at your vehicle from behind it.

The Remote control is pictured to the right. There are seven buttons on the Remote control:

1. The stop-sign shaped button is the brake button, and turns on both Tail Lights to full brightness.
2. The left arrow button flashes the left Tail Light only.
3. The right arrow button flashes the right Tail Light only.
4. The double-red triangle button flashes both Tail Lights (hazard-light mode).
5. The light bulb button causes both Tail Lights to be on at low brightness (running-light mode).
6. The button with the square icon and radiating curves is the 'training' button.
7. The button with the green circle is the on/off button.



The Remote uses radio waves to wirelessly send commands to each Tail Light. Each Remote has its own 'serial number' so that other Remotes in the vicinity cannot interfere with your Tail Lights. Each time you install the batteries in the Tail Lights, you must train the Tail Lights to respond to your Remote only. This simple procedure is described on page 2 of this document, in the section 'Battery Replacement – Tail Light'.

The Remote control will have a range of up to 100 feet. However, actual range depends on many factors. You will want to test the Tail Lights in your application each time to ensure the Remote can communicate with the Tail Lights.

Safety Precautions

THE TAIL LIGHTS USE POWERFUL MAGNETS IN THEIR BACKPLATE. Keep the Tail Lights away from magnetically sensitive items such as watches, credit cards, disks, tapes, magnetic I.D. cards, videotapes, etc.

PEOPLE WITH PACEMAKERS OR OTHER IMPLANTED MEDICAL AIDS SHOULD NOT HANDLE THE LIGHTS UNDER ANY CIRCUMSTANCES.

Keep steel objects, such as nuts, bolts, washers, etc, away from the back of the Tail Light as they will difficult to remove once attached.

Avoid allowing the Tail Lights to contact each other back to back, as they will be difficult to pry apart.

Batteries

Battery Types

The Remote transmitter uses two standard "AA" batteries. Alkaline batteries are recommended for use in this unit. These batteries are not included with the system.

Each Tail Light requires two standard "D" batteries. High-quality alkaline batteries are recommended for use in the Tail Lights. These batteries are not included with the system.

Note! With high-quality alkaline batteries in the Tail Light, you can expect about 20 hours of continuous use in hazard mode. Actual battery life will be dependent on many factors though.

Warning! Do not mix battery types in a Tail Light or the Remote Transmitter. This can result in damage to the unit or injury hazard to people.

Battery Replacement – Remote Transmitter

Pop open the battery compartment cover on the back side of the transmitter. Remove and safely dispose of the old batteries. Insert new batteries, being careful to insert them with proper orientation. Snap the battery compartment cover back into place.

Battery Replacement - Tail Light

Remove the screws holding the rear plate to the Tail Light enclosure. Remove and safely dispose of the old batteries. Insert the new batteries, being careful to insert them with

proper orientation (indicated by the polarity on the sticker). Wrap the provided elastic band around the battery holder retaining clips twice to provide additional support for the batteries when driving over rough roads.

Screw the enclosure back together. Ensure the screws are firmly (but not overly) tightened into the locking nut. If you lose one of the nuts, or it wears out, you must replace it with one of the same type. Contact Easy-On Wireless Tail Lights for replacement information.

Note! When you install the batteries in a Tail Light you must ‘re-train’ the Tail Light to the Remote as follows:

1. Ensure there are no other Easy-On Wireless Tail Lights in the vicinity.
2. Install the batteries in both Tail Lights.
3. Turn on the Remote.
4. Make sure the Remote is in close proximity to both lights (i.e. a few feet). Depress the training button for 1 to 2 seconds. The two ‘turn’ lights on the Remote will flash quickly indicating the Remote is in ‘training’ mode.
5. When both Tail Lights are also flashing quickly (about 2 times a second), then the Tail Lights have been trained to the Remote.
6. Press the ‘training’ button on the Remote for 1 to 2 seconds to end the training mode.

Using the Tail Lights

Installation

WARNING! BE SURE YOUR VEHICLE IS SAFELY AWAY FROM OTHER TRAFFIC OR HAZARDS BEFORE INSTALLING OR TESTING THE TAIL LIGHTS!

Each Tail Light is labeled either ‘left’ or ‘right’, determined by looking at your vehicle from behind it. Mount each Tail Light on the appropriate side of the vehicle.

The Tail Lights have a magnetic mount feature. You must mount the lights on a ‘magnet friendly’ metal surface. Clean the surface (i.e. remove dirt, ice, etc) in order to ensure solid adherence to the vehicle. The surface should be a perpendicular as possible to the road surface to ensure that the Tail Lights are pointing straight backward. When affixing the Tail Lights, be sure to hold the units by their sides – **do not put your fingers on the back plate as they may get pinched when the magnets clamp to the surface**. See the following illustrations for how to hold the Tail Light. Be sure that after attaching the Tail Light each of the magnets is in contact with the vehicle’s surface.

When you have mounted a Tail Light, test its strength by pushing with medium force on the Tail Light from its sides and bottom. The Tail Light should remain in place. If it does not, move the Tail Light to another location. Finally, affix the tether on each light to an appropriate location on the vehicle. Tighten the tether so that the tether has no slack in it, ensuring that the “D” clip is slid snugly up against the back plate.

WARNING! While the magnetic mount should hold the Tail Lights in place under normal use, certain conditions may cause the Tail Lights to dislodge. **YOU MUST TETHER EACH TAIL LIGHT TO YOUR VEHICLE TO PREVENT IT FROM FALLING OFF YOUR VEHICLE IF IT BECOMES DISLODGED.**



Figure 1: Correct Way to Hold Tail Light



Figure 2: Incorrect Way to Hold Tail Light

Testing

Once you have installed the Tail Lights, you must test them to be sure they are operating properly. To do this:

1. Turn on the Remote by holding the 'power' button for a couple of seconds. When the Remote turns on, its three indicator lights will turn on momentarily. This will assure you that those lights are working properly. After that, the green 'power' light will remain lit while the Remote is on.
2. If you have changed or re-installed the batteries in either Tail Light, you must re-train the Tail Lights. Refer to the Batteries section on page 2 for how to do this.

3. Standing behind the vehicle and facing it, press the 'stop' button on the Remote. It may take up to 15 seconds for the Tail Lights to respond this first time. This long delay only happens when the Tail Lights are 'waking up' from a period of not being used. Once the Tail Lights have woken up, they will respond immediately to new commands from the Remote.
4. Press the 'stop' button again and the Tail Lights should turn off. Press the 'left turn' button. The left turn light on the Remote should flash, as should the left-side Tail Light. Press the 'left turn' button again to turn off the lights. Now repeat this with the 'right turn' button and confirm that the right-side Tail Light is flashing.
5. Repeat the above test with the 'hazard' and 'running lights' buttons.
6. With the Tail Lights idle, mount the Remote in its position in the passenger compartment of the vehicle. Press the 'hazard' button. Leaving the Remote in the passenger compartment, confirm that the Tail Lights are flashing.
7. If the system passes all the above tests, it is ready for use.
8. If the Tail Lights are not working, you may have to re-locate their position or the position of the Remote and test again
9. If the Tail Lights continue to fail any tests, **DO NOT USE THE TAIL LIGHTS! CALL THE NUMBER LISTED BELOW FOR FURTHER INSTRUCTIONS.**

Operation

Turn the Remote on. Press the turn, stop, or hazard lights buttons as required to put the Tail Lights in that state. Press a button again to end that state.

There is no indication on the Remote of the state of the batteries in each Tail Light. When you are using the Tail Lights, you should periodically stop at a safe location, put the Tail Lights in hazard mode, and check that both Tail Lights are operating properly. If a Tail Light is not responding, see the Troubleshooting section below.

When you are done using the Tail Lights, press and hold the 'power' button on the Remote until the green 'power' light turns off. Remove the Tail Lights and store them as noted below.

DO NOT SUBMERSE THE TAIL LIGHTS IN WATER! If you think the lights may become submersed in water, remove the Tail Lights beforehand. If the Tail Lights become submersed, immediately open the enclosure and remove the batteries. Submersing a Tail Light in water will void its warranty.

You should periodically check that the Tail Lights are still working. Be sure to do so only at a safe location. If a Tail Light is not working, refer to the Troubleshooting section below. If the tether strap slips through a clip, use the strap on the other light as a guide for rerouting the strap through the clip. You can also refer to the pictures in the Troubleshooting section as a guide.

Special Running Light Mode

The Tail Lights incorporate a special feature when the running lights are on. Normally, if a Tail Light loses contact with the Transmitter the Tail Light will turn off and go into a low-power sleeping state. However, if you first put the Tail Lights in running light mode, the Tail Lights will remain in running light mode even if contact with the Transmitter is lost.

To turn off this feature, you must first turn the running lights off through the Transmitter before turning the Transmitter off.

While in running light mode, all other buttons work normally. For example, you can turn on your left or right turn indications, or turn on the hazard flashing.

Maintenance

Normally, no maintenance is required. However, the strong magnets used in the back plate may pick up magnetic material. Be sure to remove such material from the back plate prior to using the Tail Lights.

Storage

The Tail Lights are shipped in a convenient storage box. When shipped, the metal back plate on each Tail Light is flipped so that the magnets are facing towards the inside of the enclosure. **After you install the batteries in preparation for use, attach the back plate so that the magnets are facing outwards (as in Figure 1).**

When you are done using the Tail Lights, it is strongly recommended that you open the units and remove the batteries, then store them at least a foot away from the lights. Storing the units with the batteries installed, or in close proximity to the powerful magnets, will drain power from the batteries over a period of a few months.

It is also recommended that when not in use, that you attach the back plate with the magnets facing inwards. This will help protect the magnets from picking up stray metallic objects.

When not in use, store the units in a cool, dry place.

Troubleshooting

Problem: a Tail Light does not respond to a command.

Resolution:

- *Check that the batteries have not popped out of their holder.*
- *Check that the batteries are installed with the correct polarity.*
- *Ensure that you have fresh batteries in the Tail Light.*
- *Remove the batteries, reinstall them, then go through the training cycle*

Problem: the Remote does not power on or does not stay powered on

Resolution:

- *Replace the Remote's battery*

Problem: the Tail Lights operate when the Remote is held near them, but not when the Remote is placed in the passenger compartment

Resolution:

- *Try moving the Remote to different locations in the compartment*
- *Try positioning the Remote in different orientations*
- *Try moving the position of the Tail Lights*

Problem: a Tail Light appears dim when the lights are on full power

Resolution:

- *Replace the batteries in that Tail Light then re-train it to your Remote*

Problem: the tether strap has slipped out of its clip.

Resolution:

- *Reroute the tether strap using the other strap or the following figures as a guide. Be sure to slide the "D" clip snug up against the back plate.*

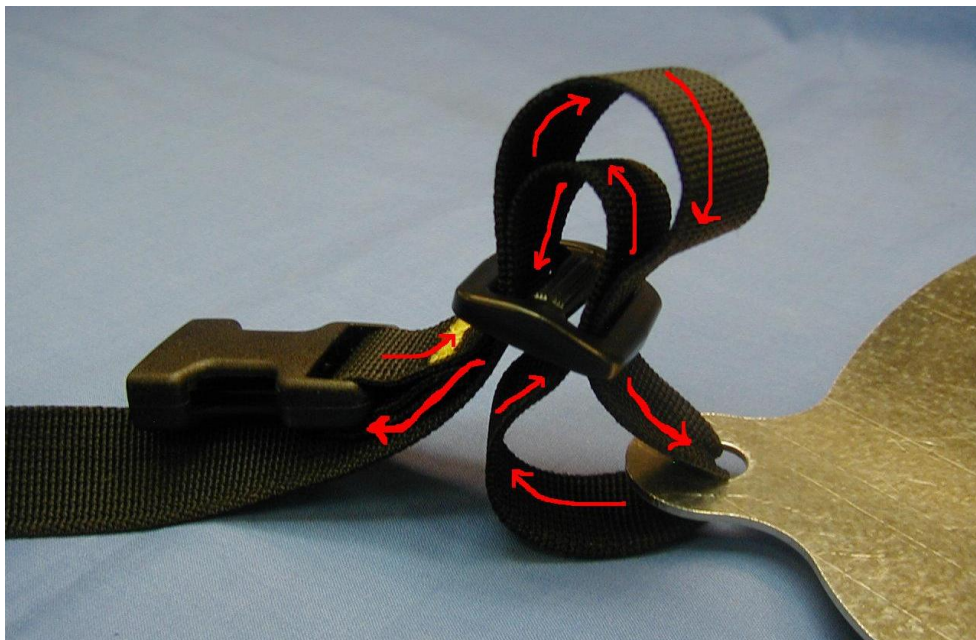


Figure 3: Tether Strap Routing Through Backplate



Figure 4: Tether Strap Routing Through Clip

Technical Support

We look forward to your feedback about the product. Should you have any questions, please contact 1-866-889-8386.

Warranty

Easy on Wireless Tail Lights carries a one year warranty for any defective parts. If you have questions about the Tail Lights, please call the Technical Support contact at 1-866-889-8386.

TAKE NOTICE: MANUFACTURER DOES NOT WARRANT: THAT THE EASY-ON WIRELESS TAIL LIGHTS WILL BE FREE OF BUGS & ERRORS THAT DO NOT MATERIALLY AFFECT THEIR PERFORMANCE; NOR THAT THE EASY-ON WIRELESS TAIL LIGHTS ARE DESIGNED TO OR WILL MEET ANY OF THE USER'S SPECIFIC OBJECTIVES. IF ANY BUGS, DEFECTS OR ERRORS ARE IDENTIFIED, MANUFACTURER SHALL CORRECT THE SAME WITHIN A REASONABLE TIME AFTER THE MANUFACTURER IS MADE AWARE OF THE SAME. IN ACCORDANCE WITH THE *SALE OF GOODS ACT* MANUFACTURER HEREBY EXPRESSLY DISCLAIMS ALL REPRESENTATIONS, WARRANTIES, AND CONDITIONS, EXPRESS OR IMPLIED NOT CONTAINED IN THIS AGREEMENT, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OR CONDITION OF PERFORMANCE, QUALITY, DURABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND THOSE OTHERWISE ARISING IN LAW OR FROM A COURSE OF DEALING OR USE.

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FCC / Industry Canada Notices

Remote Transmitter Notice

FCC ID: TU8-MODEL101

IC: 6365A-MODEL101

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Easy on Wireless Tail Lights Model 101

Tail Light Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Easy On Wireless Tail Lights Model 101

NOTICE

Any changes or modifications made to the transmitter or tail light units without the express approval of Easy On Wireless Tail Lights could void the user's authority to operate this equipment.

PATENT PENDING