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STOP LIGHT SWITCH BRACKET INSTALLATION INSTRUCTIONS #751457

#85-4835-00 12-11

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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1. Follow the brake pedal up. Locate the stud shown in Figure A. Place the stop light switch mounting bracket over the stud and bolt it into place using the supplied 8mm nut (Fig.B). *Note:* use Loctite® Red on the nut.

WARNING

When the installation is complete, verify that the brake pedal retracts fully.

Unless they are installed correctly, the bracket and/or other kit components may restrict or impede the movement of the brake pedal – the brake pedal will not retract fully.

If the brake pedal does not retract fully, the brakes will be applied continuously, which may cause severe tire and/or brake system damage, as well as other consequential, non-warranty damage.

Failure to follow these instructions may cause property damage, personal injury or even death.



Fig.A



Fig.B

stop light switch



WARNING

Failure to follow these instructions can result in property damage, personal injury or even death.



Towing and Suspension Solutions

Stop Light Switch Installation Instructions

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Install this kit if the brake lights do not function when the ignition is turned to the “tow” position, or if the vehicle is equipped with a “retained accessory power” feature – with this feature, the vehicle’s electronics continue to function normally for about ten minutes after the ignition key is turned off. Then the electronics will no longer function, which shuts off power to the stop light switch.

Install the stop light switch

1. Thread the first adjusting nut (Figure A) through the threaded portion of the stop light switch, with the open side of the nut facing the terminals on the stop light switch.
2. Slide the threaded side of the stop light switch through the bracket.
3. Thread the second adjusting nut through the threaded portion of the stop light switch, with the open side of the nut facing the white plunger on the stop light switch. (Do not fully tighten the nut until the switch is installed.)
4. With the stop light switch in position, attach the bracket – refer to the vehicle-specific mounting instructions that are included with this kit.
5. With the brake arm (Figure A) fully retracted, turn the

adjusting nuts until the white plunger at the end of the stop light switch is completely depressed.

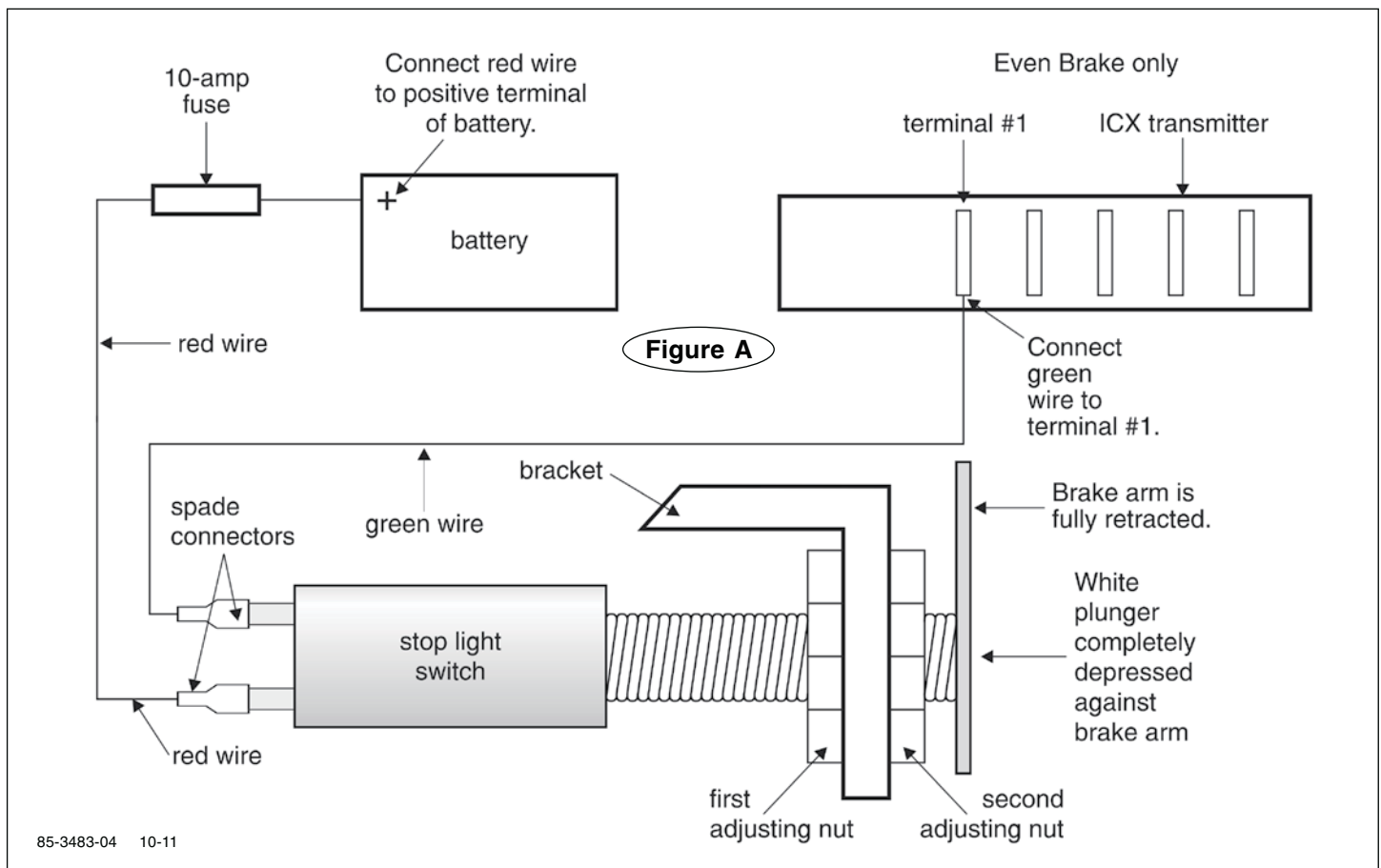
CAUTION

The stop light switch must be installed as directed above...

- The plunger must be completely depressed against the brake arm. Otherwise, it may cause a false brake light signal at the monitor.
- The brake arm must be fully retracted when the stop light switch is installed. If it is not, the brake pedal may depress the towed vehicle’s brakes continuously, which will cause excessive brake wear, brake system damage or other consequential, non-warranty damage.

6. Using the included spade connectors, connect the red and green wires to the stop light switch terminals (Figure A).

7. For Even Brake **only** – connect the green wire to the terminal marked “1” on the Even Brake ICX transmitter
continued on next page



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(Figure A).

For all ROADMASTER braking systems **except** Even Brake – using a butt connector, connect the green wire to the motorhome monitor wire.

Wire the switch to power

8. Power for the switch can come from either the battery or the fuse block. The fuse block is typically an easier connection; however, it cannot be used if the vehicle has retained accessory power (see page one).

Option 1 – Power from the fuse block

Identify a circuit in the fuse block that is constantly powered when the ignition key is in the “tow” position (Figure B). Use the included fuse tap to attach the red wire to the “cold” side of the fuse socket, as shown in Figure B. Be certain to install the included 10-amp inline fuse as shown.

Option 2 – Power from the battery

Using the provided 10 amp fuse (Figure A), connect the red wire to the positive terminal on the vehicle’s battery.

Note: if the vehicle’s battery must be disconnected for towing and a battery disconnect device has been installed, make certain that the red wire is connected to the positive side of the battery disconnect device. In this manner, 12VDC+ will be present when the battery is disconnected.

Test for proper function

After the stop light switch has been installed, test for proper function...

1. With a circuit tester, verify 12VDC+ on both stop light spade connectors with the brake pedal depressed.
2. With a circuit tester, verify 12VDC+ on only one spade connector with the brake pedal released.
3. With the vehicle’s engine on, verify that the brake lights illuminate only when the brake pedal is depressed.
4. With the engine still on, depress the brake pedal to its farthest extent, then allow it to fully return. Make certain that the stop light switch bracket or other kit components do not impede the full and complete movement of the brake pedal.

WARNING

When the installation is complete, verify that the brake pedal retracts fully.

Unless they are installed correctly, the bracket and/ or other kit components may impede the movement of the brake pedal.

If the brake pedal does not retract fully, the brakes will be applied continuously, which may cause severe tire and/ or brake system damage, as well as other consequential, non-warranty damage.

Failure to follow these instructions may cause property damage, personal injury or even death.

