

THE ORIGINAL
TurnSmart®

"THE MIRRORS THAT BLINK"

INSTRUCTION MANUAL



Important Information

Operating Temperature Range -20°F (-29°C) to 150°F (66°C)*

*Turn Smart® Mirrors may require additional time in sunlight to maintain sufficient charge to continue operating at temperatures below 0°F (-18°C).

Each Turn Smart® Mirror contains a receiver that checks for a signal from the transmitter. After an extended period of time, in darkness, (approximately 2 weeks) the battery in the Turn Smart® Mirror may drain down and need to be recharged.

To recharge the battery, use the cigarette lighter charger.

Depending on the vehicle and how the transmitter has been installed, you may experience a one-time delay of up to 4 seconds if you have not used either turn signal for 30 minutes.

... THE ORIGINAL ... TURN SMART® ...

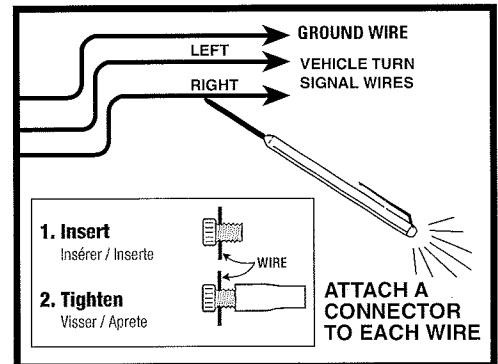
Transmitter Installation

Depending on your vehicle and location of wires that run to the left and right turn signal lights, the transmitter can be installed at one of the following locations:

- To a trailer wire harness under the rear bumper **this is the easiest installation**
 - Under the rear bumper
 - In the trunk

NOTE: Do **NOT** install under the hood of vehicle.

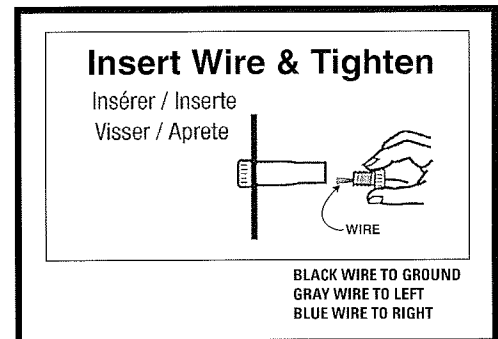
- 1** Using a **TEST LIGHT**, locate the vehicle's left turn signal wire. To locate the correct wire, make sure your headlights, parking lights and hazard lights are off. From inside the vehicle, turn on your left signal indicator so that your left turn signals blink. Turn off the signal and install a **BLACK CONNECTOR** to the vehicle's left turn signal wire. Repeat for the vehicle's right turn signal wire.



- 2** Locate a ground wire and attach a connector. For larger ground wires, use the yellow connector.

Hint: If installing connectors to the vehicle's turn signal light bulb wires, test all wires (Turn signal, hazard lights and brake lights) to determine the ground wire. If connecting to a trailer wiring harness, try the vehicle's black wire.

- 3** Connect the transmitter's **GRAY** wire to the connector attached to the vehicle's **LEFT** turn signal wire. Next, connect the transmitter's **BLUE** wire to the connector attached to the vehicle's **RIGHT** turn signal wire. Connect the transmitter's **BLACK** wire to the vehicle's **GROUND** wire.



Do Not Attach The TurnSmart® Mirrors To Your Vehicle Side Mirrors Until Each Mirror Has Been Turned **On** and Tested.

Posi-Tap™ Patent # 5,228,875 5,695,369 5,868,589
6,692,313B1 6,589,52B1 Jap 2881414, Aus 708700,
Tia 103534, Can 2204826, Mex 200626 China
Z197105562.9, Korea 477279 and others pending

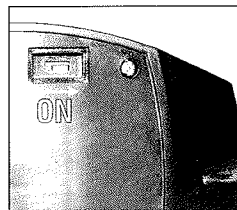
INSTRUCTION MANUAL

Test Transmitter

- 1** Turn on the vehicle's left turn signal. The indicator light on the transmitter box should glow red. If the light does not turn red, the GRAY wire from the transmitter box is not attached to your vehicle's left turn signal wire correctly or the transmitter's BLACK ground wire is not correctly connected to a ground wire.
- 2** Turn on the vehicle's right turn signal. The indicator light on the transmitter box should glow red. If the light does not turn red, the BLUE wire from the transmitter box is not attached to your vehicle's right turn signal wire correctly.
- 3** **FACE THE RED INDICATOR LIGHT OUT, AWAY FROM METAL SURFACES.** Place or loosely tape the transmitter box in the location where you plan to secure it to the vehicle. **DO NOT ZIP TIE THE TRANSMITTER OR EXCESS WIRES IN PLACE UNTIL AFTER YOU HAVE ATTACHED THE SIGNAL MIRRORS TO YOU VEHICLE.**

Test Mirrors

- 1** To conserve the initial charge on the batteries, the Turn Smart® Mirrors have been shipped with the power turned off. **To turn on the power**, locate the ON switch in the back of the Turn Smart® Mirror. Use the tip of the test light to slide the switch to the ON position. After turning on the power, insert the rectangular black rubber plug into the opening.



- 2** Since the Turn Smart® System works on a radio frequency signal, transmitted by the transmitter to the Turn Smart® Mirrors, it is important to **confirm that the mirrors are receiving the signal properly, before permanently attaching them to your vehicle.**
- 3** Turn on the vehicle's left turn signal, hold the left Turn Smart® Mirror up to the vehicle's left side mirror and confirm that it is blinking.
- 4** Turn on the vehicle's right turn signal, hold the right Turn Smart® Mirror up to the vehicle's right side mirror and confirm that it is blinking.

TROUBLE SHOOTING:

PROBLEM: The Turn Smart® Mirror does not blink, even when it is held close to the transmitter and the vehicle's signal is blinking (DO NOT USE THE HAZARD LIGHTS).

SOLUTION: Check to make sure the ON switch, in the back of the mirror, is moved fully up to the ON Position. If the Turn Smart Mirror still does not blink, charge the battery using the cigarette lighter charger. Charge for 30-60 minutes.

PROBLEM: The Turn Smart® Mirror will blink when held close to the transmitter, but stops blinking when held up to the vehicle's side mirror.

SOLUTION: Leave the wires attached to the vehicle and move the transmitter to a different location.

PROBLEM: The Turn Smart® Mirror flickers when the vehicle signal is on.

SOLUTION: The battery is low and needs to be recharged.

INSTRUCTION MANUAL

Final Installation

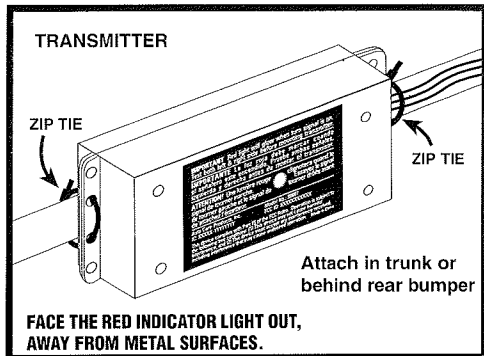
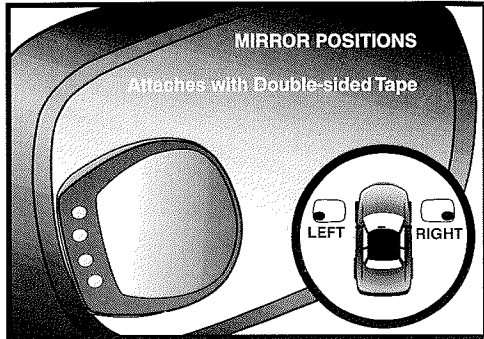
1 After confirming that both Turn Smart® Mirrors are operating properly, clean and dry your vehicle's mirrors. For best results, use rubbing alcohol to clean your vehicle's mirrors. Next, apply the double sided tape to the Turn Smart® Mirrors. Position the Turn Smart® Mirrors at the bottom and as far to the outside, on your vehicle's side mirrors, as possible.

NOTE: For proper adhesion of double-sided tape, vehicle's side mirror temperature must be 32°F (0°C) or warmer.

2 **FACE THE RED INDICATOR LIGHT OUT, AWAY FROM METAL SURFACES.** Next, use the **ZIP TIES** to securely hold the **TRANSMITTER** and the excess wires to the vehicle, so they are out to sight and away from any moving parts.

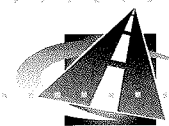
Cleaning and Care

Since the batteries in the Turn Smart® Mirrors are recharged by the solar panels, located around the Turn Smart® Mirrors, they must be kept clean and free of any dirt or debris. To clean, first rinse off any sand, dirt or grit that may scratch the plastic surfaces. If necessary, a solution of warm soapy water can be used. Next, use a soft cotton cloth to gently dry the Turn Smart® Mirror.



WARNING

1. Objects in mirrors are closer than they appear.
2. This device has been designed and intended as auxiliary mirrors with turn signals and is not designed or intended to replace a vehicle's original mirrors or turn signaling equipment in any way.



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"THE MIRRORS THAT BLINK"

Safety Turn Signal Wide Angle Mirrors

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www.TurnSmart.com

Made in China • U.S. Patent 6,677,856, 6,970,074, 7,026,919 • © 2007 Auto Care Products, Inc.

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. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.