

WHELEN[®]

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Installation Guide: FastTrax™ Traffic Advisor™

Safety First

This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

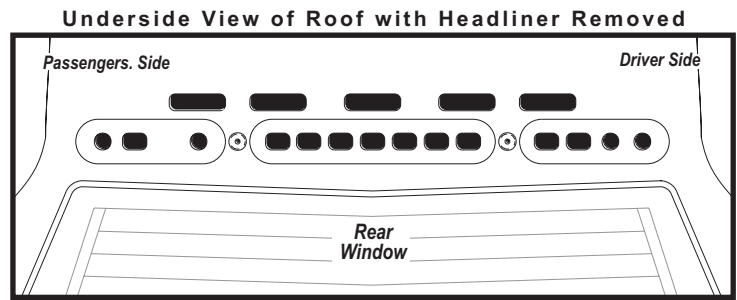
- Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.
- If mounting this product requires drilling holes, the installer **MUST** be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr any holes and remove any metal shards or remnants. Install grommets into all wire passage holes.
- If this manual states that this product may be mounted with suction cups, magnets, tape or Velcro®, clean the mounting surface with a 50/50 mix of isopropyl alcohol and water and dry thoroughly.
- Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owner's manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.
- For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the **NEGATIVE (-)** battery post.
- If this product uses a remote device to activate or control this product, make sure that this control is located in an area that allows both the vehicle and the control to be operated safely in any driving condition.
- Do not attempt to activate or control this device in a hazardous driving situation.
- This product contains either strobe light(s), halogen light(s), high-intensity LEDs or a combination of these lights. Do not stare directly into these lights. Momentary blindness and/or eye damage could result.
- Use only soap and water to clean the outer lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration. Lenses in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.
- It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.
- **FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

For warranty information regarding this product, visit www.whelen.com/warranty

IMPORTANT! The lightbar should be located a minimum of 16" from any radio antennas!

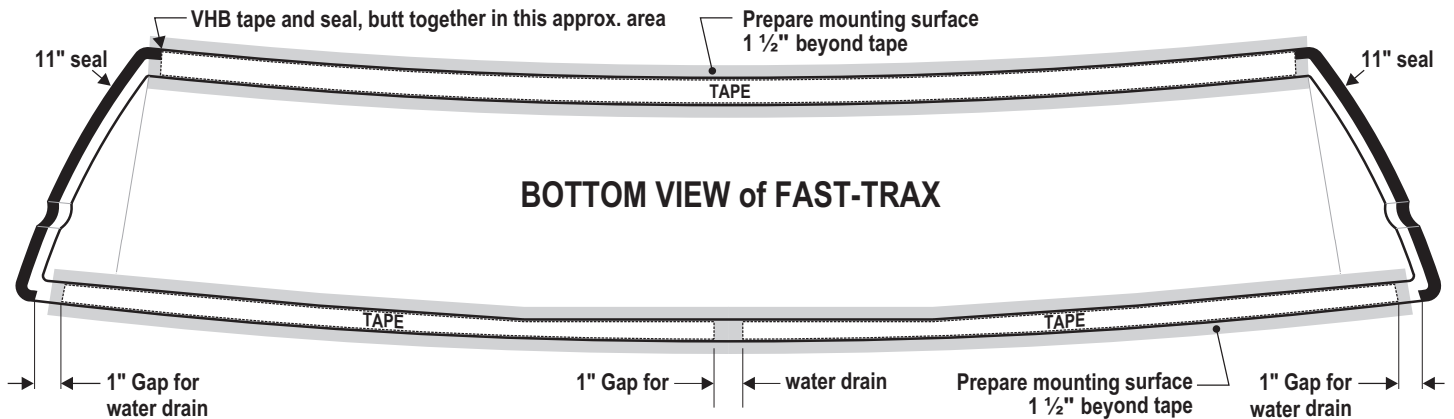
Installation / Vehicle preparation:

1. Remove rear seat back, C-pillar covers and headliner from vehicle.
2. On the roof support cross-brace just ahead of the rear window, locate the brace openings. Through the center of one of these openings, drill a 1/8" hole up through the roof of the vehicle.
3. From outside the vehicle, locate the hole drilled in the previous step. Using a 1" hole saw, position the pilot bit into this hole and drill a 1" opening through the roof, then deburr this hole and install a rubber grommet (included).



Surface Preparation

WARNING! The FastTrax™ system housing is secured to the vehicle using 3M™ VHB™ double-sided tape. This tape offers superior bond strength that allows the FastTrax to be exposed to inclement weather with no adhesion loss. However, the key to successful bonding lies in proper preparation of the mounting surface. The following section will outline the recommended procedure for mounting surface preparation. Your FastTrax system includes the 3M® recommended preparation solution. DO NOT USE ANY OTHER SOLUTIONS TO PREPARE THE MOUNTING SURFACE! The outer surface of the vehicle must be at least 65°F!

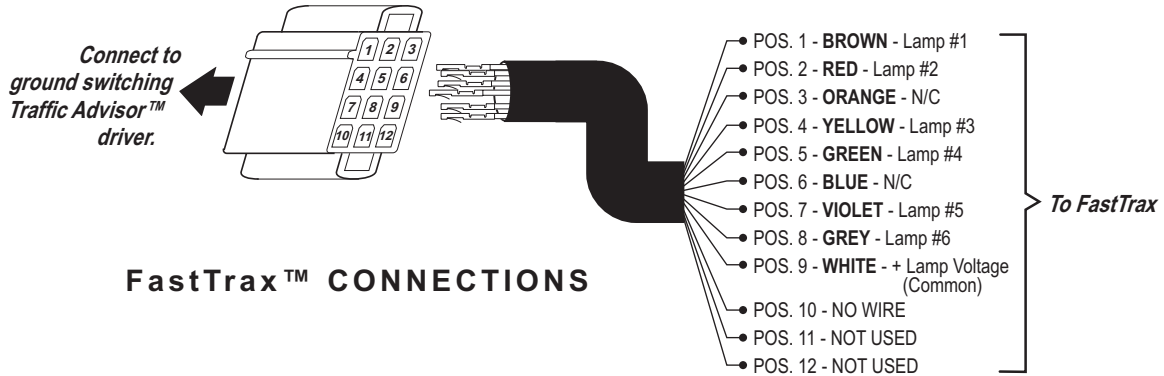


1. **Without** removing the protective backing from the mounting tape, position the FastTrax housing onto its mounting surface. Center the FastTrax on the vehicle roof with a 1/8" space between the leading edge of the housing and the windshield gasket.
2. You will have to prepare any part of the vehicle that will be in contact with the adhesive tape, *PLUS an additional inch and a half (1½) wide area on either side of the tape.* This area is called the bonding surface. Remove the FastTrax housing from the vehicle.
3. The bonding surface must be completely clean and dry. Using a clean lint-free cloth, clean the bonding surface with an automotive wax and grease remover (for example, Prepsol®). Allow to dry thoroughly.
4. Shake the "3M Keel Primer" applicator (included) well before using. Following the instructions attached to the applicator, apply a thin uniform coating to the bonding surface using the minimum amount that will fully coat the surface. Allow the primer to dry thoroughly. This is usually accomplished in 5 minutes at room temperature. Be sure the primed surface remains free from contaminants.
5. Return the housing to the vehicle and connect the cable to its respective lightheads (Refer to your control head manual).
6. Locate the ends of the adhesive tape strips. Peel approximately an inch of the protective backing away from the tape and fold the backing so that it sticks out from under the FastTrax housing.
7. Carefully pull the protective backing tabs out from under the FastTrax housing, making sure that the housing's position is not disturbed.
8. With all of the protective backing strips removed, press down firmly along the edges of the housing to promote adhesion.

WARNING! The vehicle should not be driven for a minimum of 24 hours after installation. The adhesive used in this procedure must remain at 65°F (minimum) for 24 hours after installation. Caution should be used if the vehicle must be driven between 24 and 72 hours after installation. The adhesive should be fully bonded after 72 hours.

Wiring:

Using the wire chart below, insert the pinned wires on the control harness into their proper location in the pin housing.



Painting the FastTrax™ Housing:

If painting or re-painting your FastTrax housing, it is important to keep in mind the following information:

- Do not apply paint or primer to any of the black-colored area immediately adjacent to the clear outer lens.
- Do not apply paint or primer to the underside of the housing.
- Make sure that all surfaces to be painted have been primed using primer that is suitable for ABS plastic.
- Be sure to include the leading edges (material thickness) in your painting surfaces.