

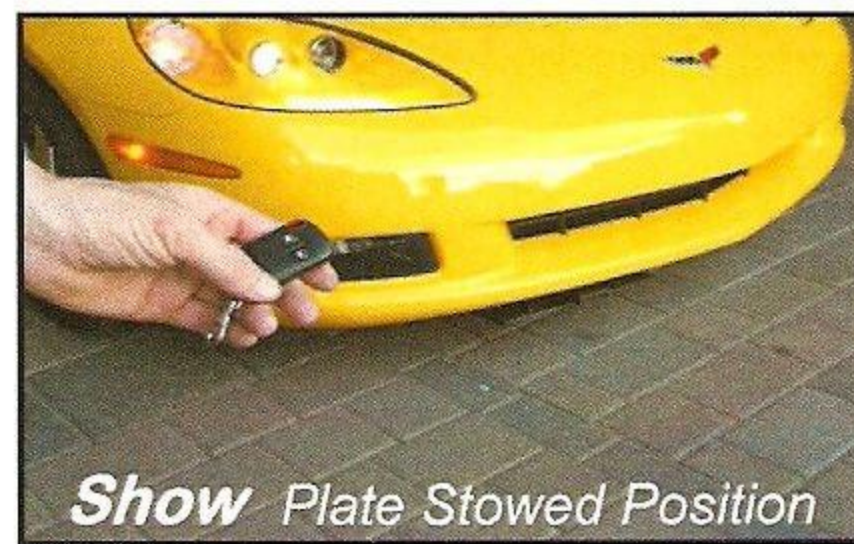


by **Altec Products**

Installation Instructions For All Automobiles



Remote Control Operation



Show Plate Stowed Position

Overview

The Show & Go license transport allows you to display or stow away the front license "for show" by simply pushing the key chain remote button from inside or outside the car. The system can be installed by anyone with reasonable mechanical skills and hand tools. The radio receiver is easily mounted under the hood, and connects to the vehicle battery and to the license transport mechanism which is mounted under the front bumper. No wiring through the vehicle dash is required.

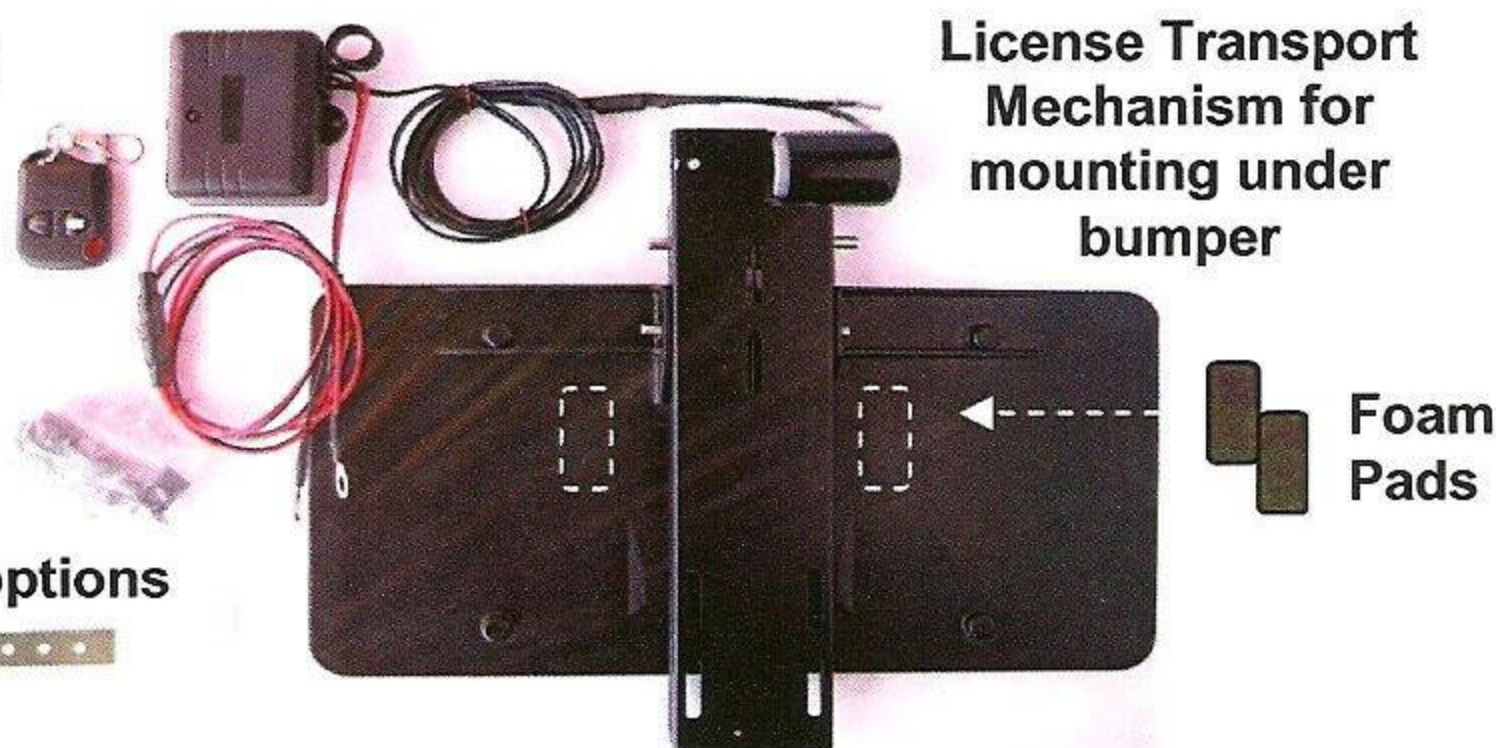
System Components:

Receiver for mounting under hood

Key Chain Remote operator

Hardware kit

Steel mounting strap for mounting options



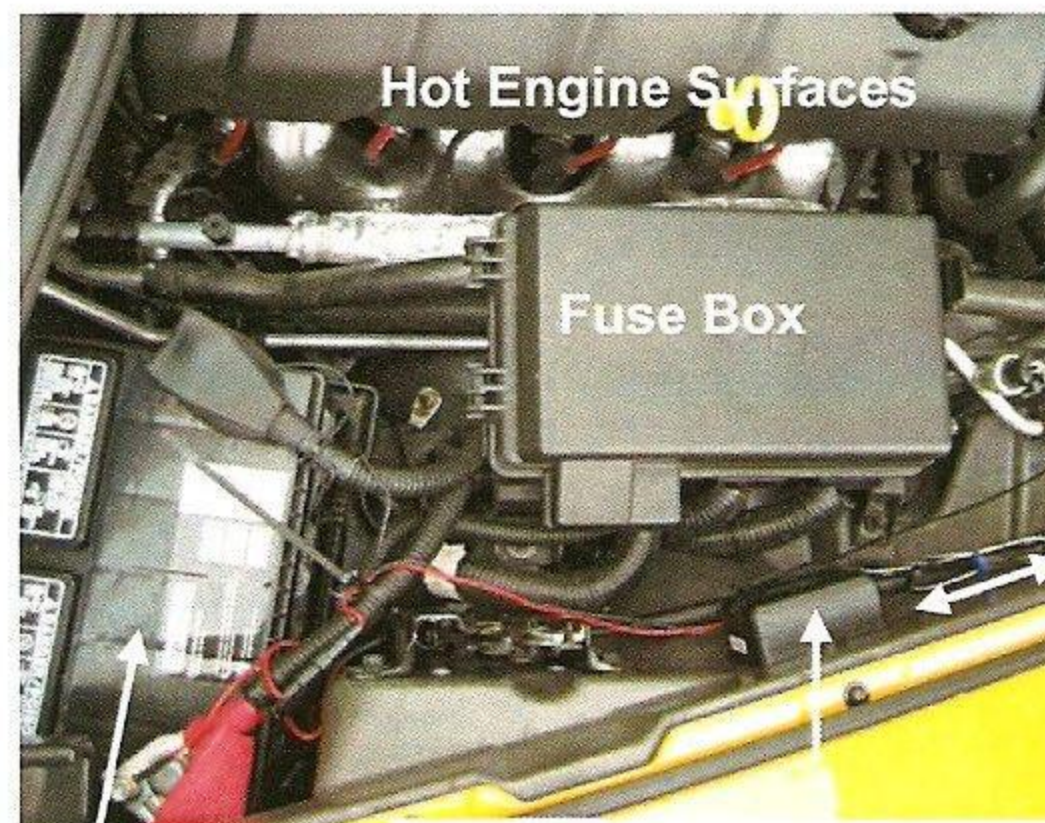
License Transport
Mechanism for
mounting under
bumper

Foam
Pads

Installation Steps

1. Mount Receiver

Locate the receiver on the fender panel such that radiated heat from the engine is blocked. Suggested locations are behind the fuse box or battery. The black and red wires from the receiver can be directly connected to the battery after step #3, since the current draw is extremely low. Feed the two-lead wire with motor connections from the receiver in between the radiator baffle and the body so it exits forward below the car on the passenger side. Pull it a foot or so out in front of the car. Plug the wires into the motor and secure them per step 2 & 3. Then, attach the receiver to the fender-well using the double-backed tape provided. Clean up the wiring by covering conductors with cut lengths from one of the two wire sheaths. Loop up extra wire and secure it as needed. For maximum receiver range, extend the antenna and keep it separated from other wire conductors. Complete the connection to the battery after the leads are attached to the motor.



Hot Engine Surfaces

Fuse Box

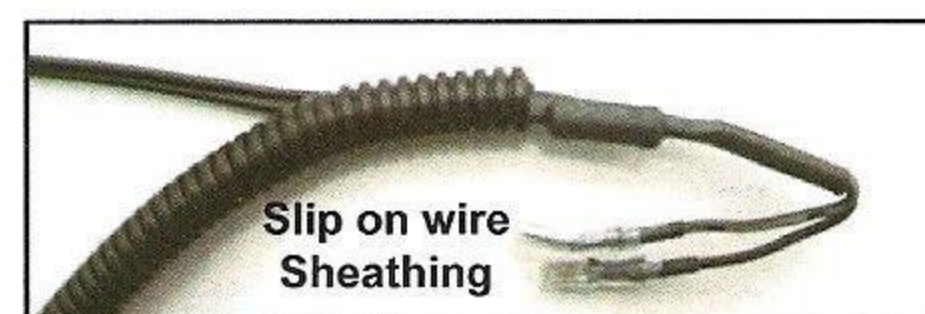
Wire
Running
to
Transport
Assembly

Vehicle
Battery

Radio receiver mounted behind
Fuse Box (or behind the battery in
other installations)

2. Install Wire Sheathing

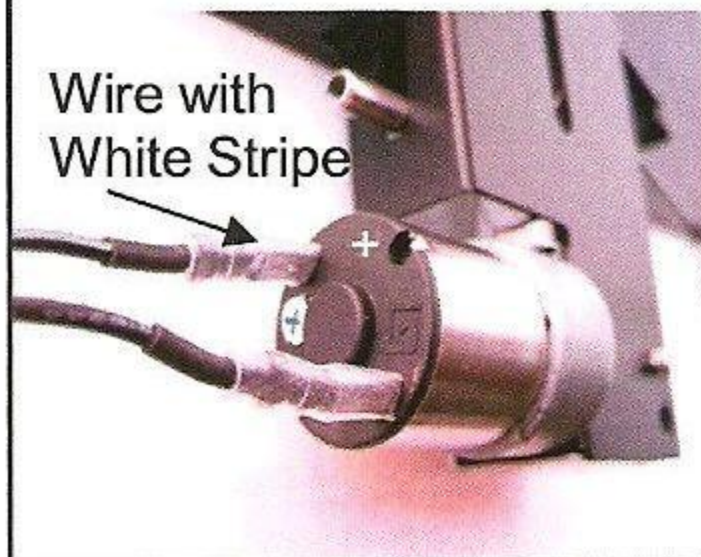
Slip the other 12" length of wire sheathing over the two-lead wire near where it connects to the motor, as shown.



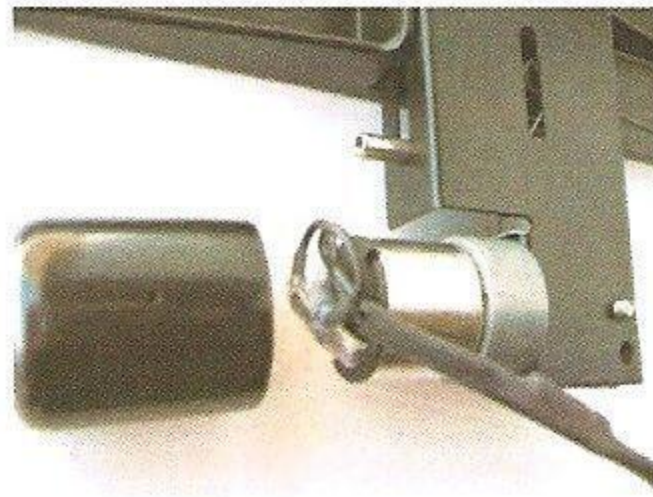
Slip on wire
Sheathing

3. Connecting Wires to Motor

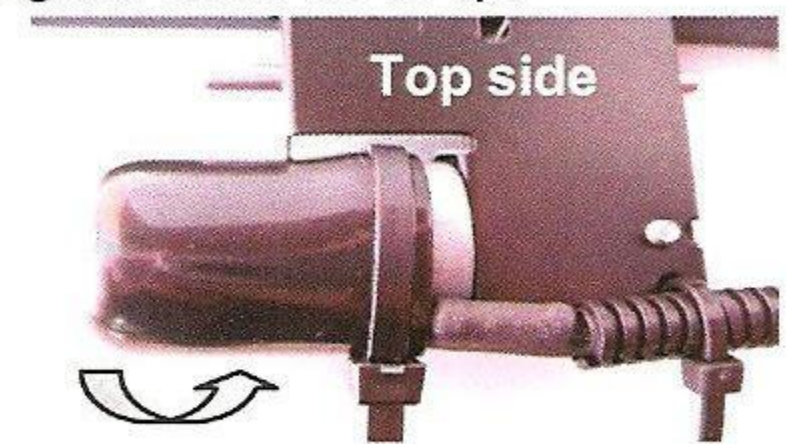
A. Connect the wires to the motor with the white-striped black wire going to the terminal marked + (positive).



B. Fold the terminals and wires against the back of the motor so the exit lead lies against the motor body as shown.



C. With the cap vent hole down, slide the cap over the motor and secure it with the large removable tie-wrap as shown. Secure the wire and plastic sheathing to the motor base frame using the small tie-wrap.

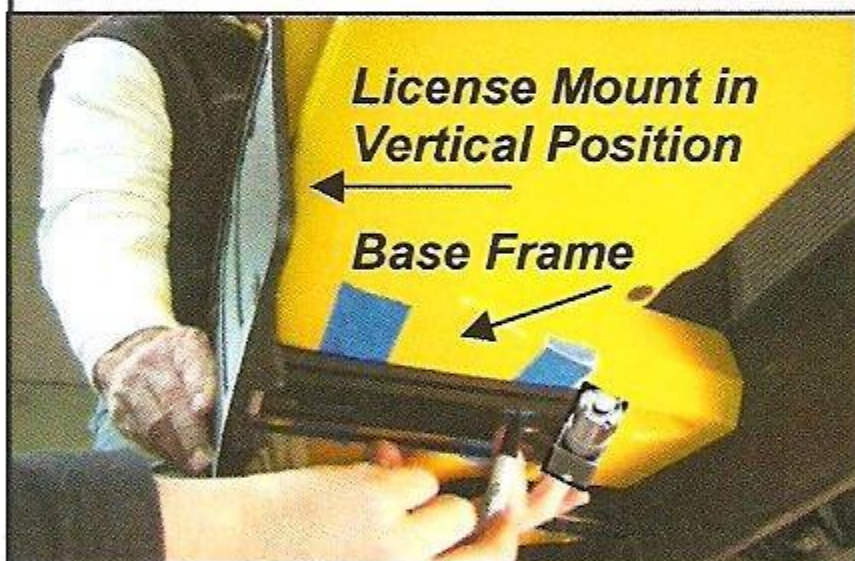


Install with vent hole located on bottom

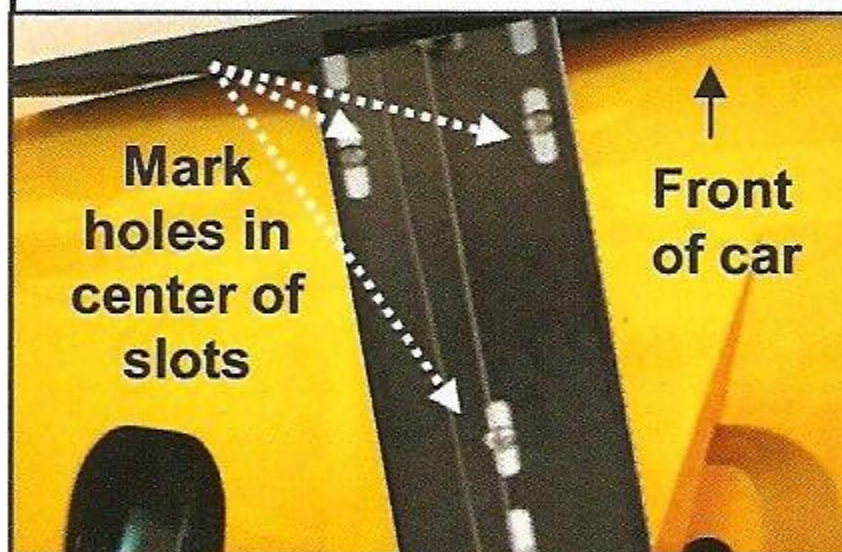
3. Installing the License Plate Transport Base Frame

Use a jack or ramps to lift the left corner of the car slightly to allow room for marking and drilling the mounting holes. Slowly pull the plastic plate mount out from the base into the up position by holding on to the motor while pulling the center of the plastic mount. Have a helper hold the base plate up against the bottom of the bumper so the plate mount is vertical when it contacts the front bumper as shown below. The fore and aft position of the base plate screwed to the bottom of the bumper determines the vertical angle of the license plate when it is up. Slots allow a final fine adjustment.

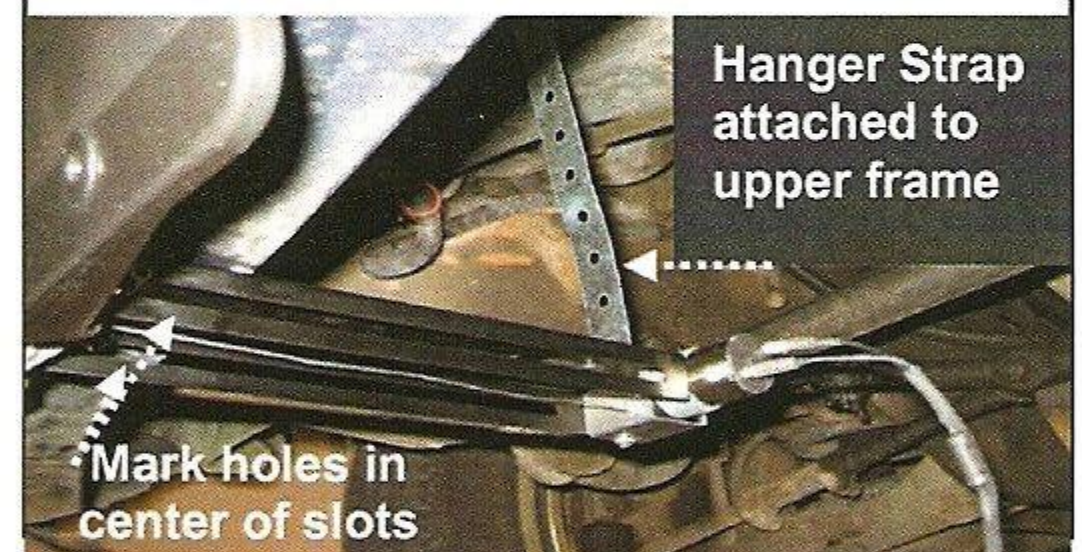
A. Position the base frame so the plastic license mount is vertical when it contacts the bumper face.



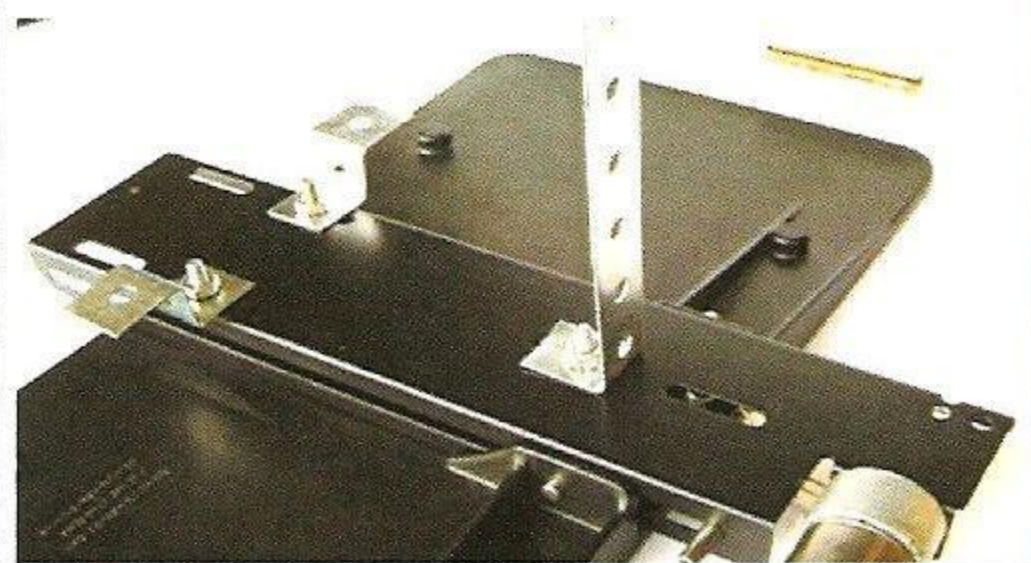
B. When the bottom of the bumper is deep enough, the base can be simply mounted using three screws



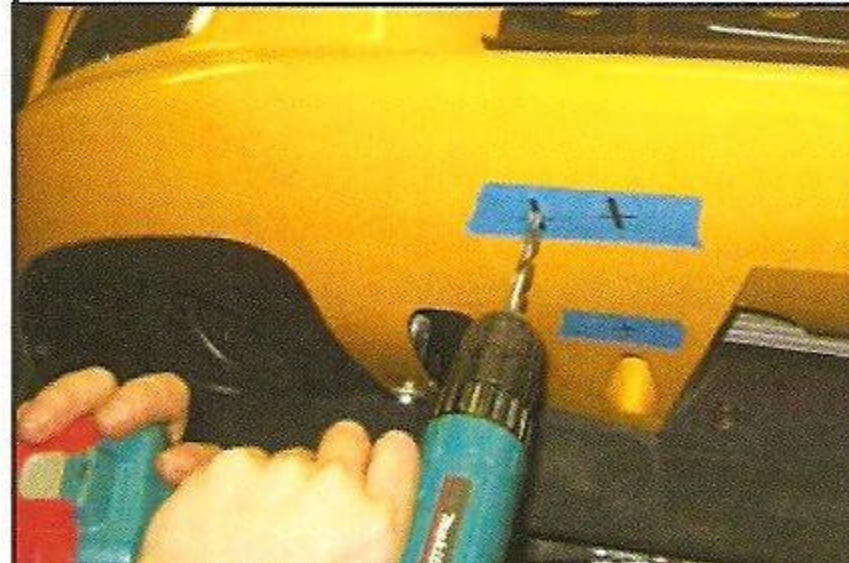
C. When the bottom of the bumper is short, then 2 front mounting holes are used, and the optional steel hanger strap is used in the back. Screw the upper end of the strap to an available frame structure.



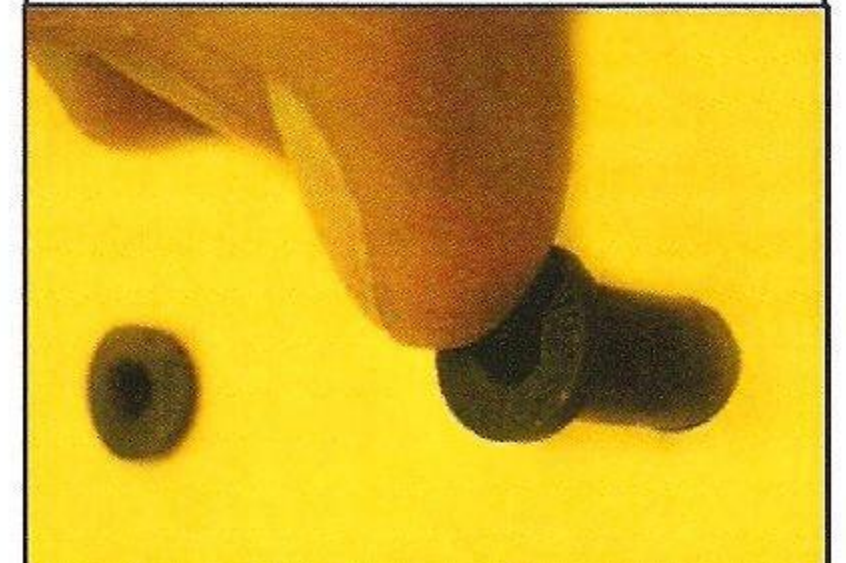
D. Alternatively, if there is a lip air dam and a mounting spacer is required, cut two lengths from the steel strip and bend each in a "Z" shape per the photo below. Use screws and nuts provided.



E. The expanding rubber inserts work well for soft polyurethane bumpers. Drill 5/16 dia. mounting holes in marked locations.



F. Push the rubber inserts into the drilled holes.



Install the mounting screws while leaving them loose enough to allow final fore and aft adjustment of the base plate. Stick the two foam pads on the back of the plastic license plate mount where it will contact the bumper (see first picture). Move the base plate so the license plate is 90 degrees with the ground when the plate is up and the foam pads on the license mount are contacting the bumper. About three screw driver turns on each screw will set the rubber inserts securely. Install the license plate using the four stainless steel #10 x 3/8" long screws provided.

Operation

Simply push and hold the remote “up” or “Stowed” button for 4 -5 seconds to activate the transport mechanism. Only hold the button down long enough to complete the transport function. **Do not hold the button down for more than 30 seconds to avoid possible motor circuit damage.**

All moving components of the transport mechanism are constructed of stainless steel to provide a long trouble free life, and no regular maintenance is required.

Trouble shooting Guide

| Problem Symptom | Possible cause and remedy |
|---|---|
| License plate moves in opposite direction than indicated on remote control buttons | Leads to motor are reversed. The black lead with white stripe goes to motor terminal marked positive +. |
| Indicator light on remote key fob does not come on or is intermittent while a button is pushed. | A. Check battery connection / terminals B. Check battery for 12 volts (type A27) |
| Motor does not move and indicator light on receiver does not come on when remote button is pushed. | C. Check connection to battery, red wire goes to positive terminal, black wire is negative ground. D. Check fuse in red wire, replace with similar 5 amp fuse if it is blown E. Straighten out the receiver antenna and position it slightly away from conductors and metal surfaces. F. The receiver may be defective |
| Motor does not move and receiver indicator light does come on when remote button is pushed. | A. Check connection to motor terminals B. Check for voltage to motor terminals C. If voltage is present, motor may be defective |
| License does not fully transport between “stowed” and “up” display position (motor moves but stalls) | The base frame may have been bent and damaged. Remove the assembly and use pliers to straighten the metal base rails. The plastic frame can be SLOWLY manually manipulated between the UP and stowed position to check for binding of the transport mechanism. |

Warranty

Workmanship and materials are warranted for 30 days from the original date of sale. Damage resulting from ground strikes or extreme temperatures that have caused deformation of components are not covered by warranty. Return a defective radio or transport mechanism to Altec Products postage paid to receive a replacement under this warranty policy.

Replacement parts

Replacement radios and the transport mechanism assembly are available directly from Altec Products.

The Show & Go was designed and manufactured by Altec Products Inc, and is protected by one or more US pending patents.



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Caution: The license mount must be in the vertical display position when required by statutory law.