



Installation and Owner's Guide

YOUR WARRANTY

Here's how your warranty works:

Alert warrants to the original customer, and the original car a limited lifetime warranty. Within 12 months of purchase, Alert will repair or replace, our option, any defective system at no charge. After 12 months from date of purchase, Alert will, at our option, repair or replace the system for a \$30 shipping and handling fee.

Installation, labor, removal and reinstallation are not the responsibility of Alert. Registration must be completed and sent in within seven (7) days of purchase in order to validate the warranty. Alert makes no warranty against the theft of a vehicle or its contents. This warranty is not to be construed as an insurance policy against loss.

DISCLAIMER

Alerts disclaims the warranty of merchantability and fitness for any particular use. This disclaimer shall be effective as to all claims of any kind made by or through any wholesaler, retailer, consumer or any other person or entity. Some states do not permit the disclaimer of implied warranties in some sales. Hence, this disclaimer may not apply to you.

LIMITATION OF REMEDIES

Consumer's remedy is limited to repair or replacement of the unit, and in no event shall exceed the purchase price. Incidental, consequential an/or indirect damages are expressly disclaimed. NO person or entity is authorized to alter, amend or increase this limited warranty.



Thank you for purchasing
products by Alert.

To order additional transmitters or other
accessories, visit our
website at www.alertautomotive.com.

SYSTEM FEATURES

Five-Button Wireless Keypad	Remotely lock and unlock your car from the outside of your vehicle.
Starter Immobilizer	You can't steal what you can't start. Most insurance companies offer a discount for this feature.
Trunk Release	Remotely opens your trunk. (Optional part #775 required.)
Parking Light Confirmation	Never walk up to a dark car again. Confirms that your vehicle has received a remote signal and remains on for ten seconds when disarming. (Optional part #775 required.)
Extended Range Antenna	Allows you to operate your system from an extended distance.
Limited Lifetime Warranty	Guarantees life-long protection.

SYSTEM COMPONENTS

Your system includes:

1-Installation & Operation Guide	1-14-Pin Wire Harness
1-Main Control Module	1-Warranty
1-Five-Button Wireless Keypad	2-Window Decals

TECHNICAL ASSISTANCE

Should you need help. First check our website at www.alertautomotive.com or call our toll-free Tech Support Hotline Monday through Friday 9AM-8PM and Saturday 10AM-4PM EST at 800-878-8007.

You must give the following information:

- Name
- Telephone Number with Area Code (Fax number if applicable)
- Year, Make, and Model of the vehicle
- The model number of the system you are installing
- The type of assistance you are requesting



**Show this card to your insurance agent,
you may be eligible for a discount on
your automobile insurance.**

**This Alert system is equipped with
Starter Immobilization and/or Passive Arming.**

FCC ID: J3STXJS1194

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.

WARRANTY VALIDATION

PLEASE FILL OUT THIS FORM
AND MAIL IT IN TO REGISTER YOUR WARRANTY

Your Name _____
Address _____

Email Address _____
Dealer Name _____
Address _____

Date of Purchase ___/___/___ Model # _____
Make/Model of Car _____
Year of Car _____ V.I.N. # _____
Final Quality Check By _____

PROGRAMMING FUNCTIONS FOR YOUR WALLET OR GLOVE BOX

ATTENTION:

We urge you to immediately place this card in your wallet.

To enter programming mode

Hold down Button #4 for 10 seconds. You are now in programming mode.

Programming 3.5 or 0.7 second door lock/unlock length

Press button #1 once the unit is programmed for 3.5 second door lock/unlock. Press button #1 twice the unit is programmed for 0.7 second door lock/unlock.

Programming for dual pulse lock/unlock

Press button #2, once the unit is programmed for dual pulse unlock. Press button #2 twice the unit is programmed for dual pulse lock. Press button #2 three times the unit is programmed for no dual pulse lock/unlock.

BEFORE YOU BEGIN

Congratulations, you have purchased one of the most advanced keyless entry systems ever made. Your new keyless entry is a technological breakthrough utilizing the most advanced, state of the art technology and components. It is computer controlled and manufactured in the U.S.A. The dependability and variety of features make Alert the leader in the industry. Enjoy your new keyless entry for years to come!

Read this manual thoroughly before starting the installation. You must also decide if any options are desired such as starter immobilizer, trunk release and parking light confirmation. An optional relay may be needed for some of these options. **Please do not skip any steps.**

Since there are many different makes and models of vehicles, for wiring charts and diagrams, visit our website, www.alertautomotive.com.

PRECAUTIONS

This system is designed for vehicles with power door locks only.

This system will add remote keyless entry features to any vehicle with power door locks. This will also work as a replacement system for the factory installed keyless entry system.

DO NOT use mechanical wiring connections, such as **crimp or snap together taps**. Follow instructions on pages 6-7.

DO NOT disconnect the battery if the vehicle has an anti-theft-coded radio or is equipped with an airbag. Doing so may cause a warning light to be displayed and may require a trip to the dealer to be corrected.

DO NOT leave the interior or exterior lights on for an extended period of time as it may cause battery drain.

DO NOT mount the control module until all connections have been made and tested. Using wire ties or double sided tape, **MOUNT THE MODULE UNDER THE DASH.**

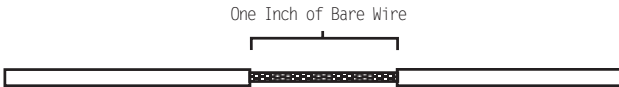
PLEASE USE CAUTION: DO NOT CUT, PROBE OR DISCONNECT THE VEHICLE'S AIRBAG WIRES. THESE WIRES WILL ALMOST ALWAYS BE INSIDE A BRIGHT YELLOW TUBE LOCATED NEAR THE STEERING COLUMN HARNESS.

MAKING WIRING CONNECTIONS

1. Strip back two inches of insulation on the wire from the keyless entry.



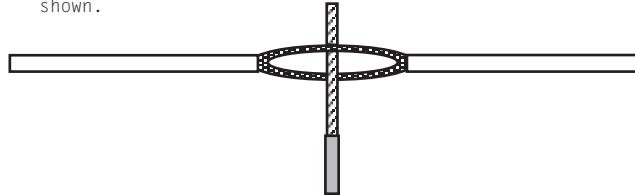
2. Strip back one inch of insulation on the wire you need to connect to.



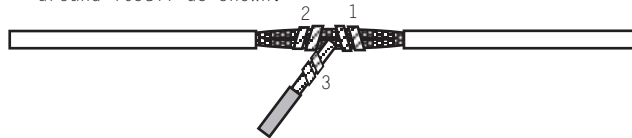
3. Separate the vehicle wire as shown. Make the separation large enough to fit the other wire through.



4. Insert the wire from the unit through the hole as shown.



5. Wrap the wire around one side then the other and finally around itself as shown.



6. Use electrical tape to wrap. Be sure to cover the wire about two inches on either side of the connection. First pull the wire that you have just connected along side the wire you connected to, tape and wire tie them together. Use this method for all connections.



CAUTION: All wires must be wrapped and taped.



OPERATING FUNCTIONS FOR YOUR WALLET OR GLOVE BOX

ATTENTION:

We urge you to immediately place this card in your wallet.

Lock Press and release button #1 (lock) the doors will lock. The starter interrupt will engage. **UnLock** Press and release button #2 (unlock) the doors will unlock. Starter interrupt will be disengaged. **Trunk** Press and release button #3 (trunk). Press and release the button, the trunk will release. This will send a negative 250ma output as long as button #3 is pressed. If you need a momentary pulse, just press and release.

OPERATOR PROGRAMMING INSTRUCTIONS

Lock

Press and release button #1 (lock) the doors will lock. Starter immobilizer will engage.

Unlock

Press and release button #2 (unlock) the doors will unlock. Starter immobilizer will be disengaged.

Trunk

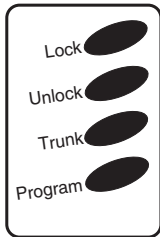
Press and release button #3 (trunk) the trunk will release.
NOTE: This will send a negative 250ma output as long as button #3 is pressed.

Program

This is your programming button.

HOW TO USE YOUR REMOTE TRANSMITTER

In most cases the programming will NOT be used.



BUTTON #1
Locks your vehicle.

BUTTON #2
Unlocks your vehicle.

BUTTON #3
Pops your trunk

BUTTON #4
Programs your remote control.

To enter programming mode

Press Button #4 (Program) for 10 seconds then release. You are now in programming mode. To exit programming mode press and release Button #4 (Program) again.

Programming 0.7 and 3.5 second door lock/unlock pulse time

(This is used for European cars only)
(Used only with vacuum door lock system)

Press Button #1 (Lock) once the unit is programmed for 3.5 second door lock/unlock. Press Button #1 (Lock) twice the unit is programmed for 0.7 second door lock/unlock.

Programming for dual pulse lock/unlock

(Used on some Japanese vehicles)

Press Button #2 (Unlock) once, the unit is programmed for dual pulse unlock. Press Button #2 (Unlock) twice, the unit is programmed for dual pulse lock. Press Button #2 (Unlock) three, times the unit is programmed for no dual pulse lock/unlock.

Adding additional remotes with a working remote control

Press and hold Button #1 (Lock) on the working remote for 20 seconds, release. Next, press and hold Button #1 (Lock) on the new remote for 20 seconds, then release Button #1 (Lock), try both remotes.

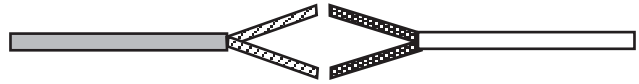
Adding additional remotes without a working remote control

Unplug the main unit from under the dash, wait one minute. Plug the unit back in and use the new remote control.

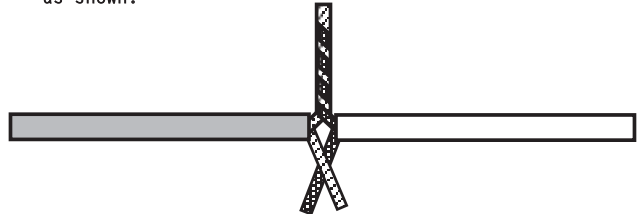
MAKING CONNECTIONS cont.

MAKING END TO END CONNECTIONS FOLLOW THESE INSTRUCTIONS

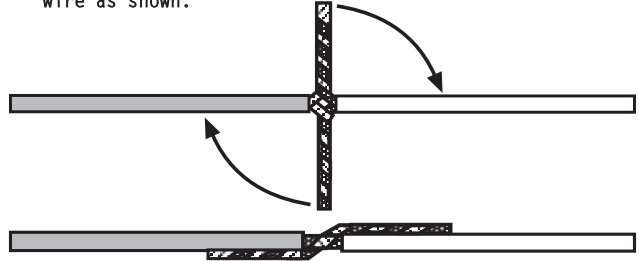
1. When tying two separate wires together at their ends, strip back 1" of insulation on both wires and separate the strands of wire as shown below.



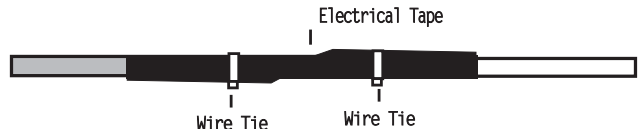
2. Twist upper wires together, twist lower wires together as shown.



3. Lay upper twisted pair of wires over right wire as shown. Bring lower twisted pair of wires up to meet the left wire as shown.



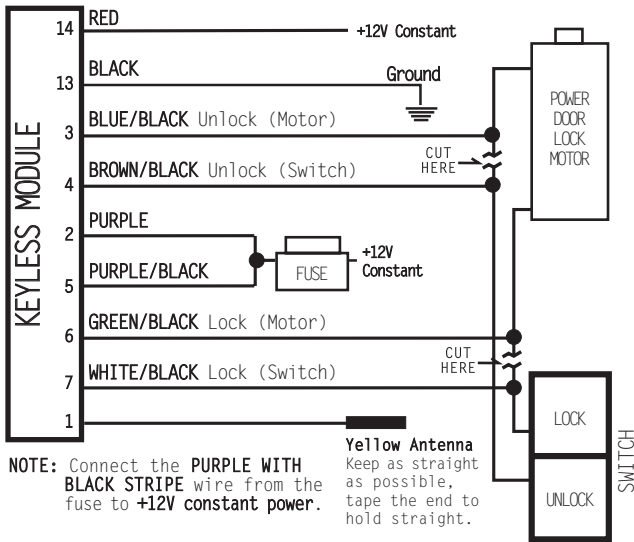
4. Use electrical tape to wrap, be sure to cover about 2 inches on either side of connection. Secure with wire ties as shown.



Use this method ONLY when connecting two separate wires end to end.

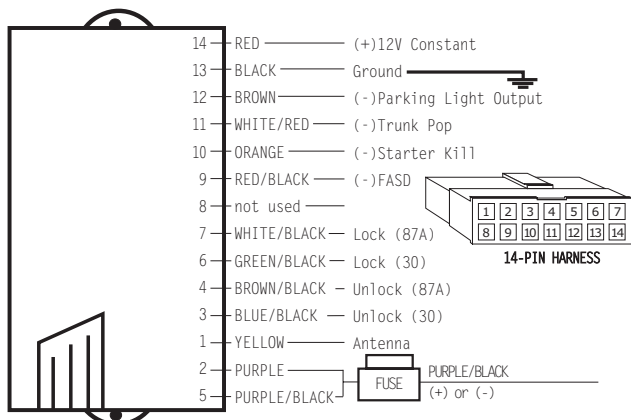
CONNECTING DOOR LOCKS

"Type C" Reverse Polarity



NOTE: You will need to cut factory wiring to make an end to end connection, see "Making Connections" on page 7 .

14-PIN HARNESS DIAGRAM

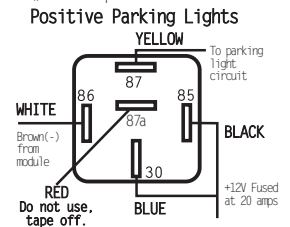


LOCATING & MAKING CONNECTIONS

Parking Light Output (-) (Optional Part #775 required)

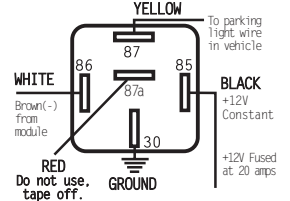
Positive Parking Lights

Probe the wire(s) coming from your headlamp switch. Find a wire that will show +12V only when the parking lights are ON, then switch the controller to the headlight position and test the same wire. It should have power in the parking light position and the headlight position. Turn the light switch OFF, the +12v should then turn OFF also. This is the correct wire. Connect the YELLOW wire from Part #775 to this wire. Connect the BROWN wire from the 4-pin harness to the WHITE wire on Part #775. Connect the BLACK and the BLUE wires from part #775 to +12V constant fused at 20 amps. See "positive" diagram.



Negative Parking Lights

If your vehicle has a negative (-) parking output. When probing the wire(s) coming from your headlight switch, find a wire that shows (-) negative or ground when the parking lights are on, then switch the controller to the headlight position and test this same wire. It should have (-) negative or ground in the parking light position and the headlight position. Turn the light switch off, the (-) negative or ground should then turn off also. This is the correct wire. Connect the YELLOW wire from Part #775 to this wire. Connect the BROWN wire from the 4-pin harness to the WHITE wire on Part #775 connect the BLACK wire to 12V constant fused at 20 amps and connect the BLUE wire from Part #775 to ground. See "negative" diagram.

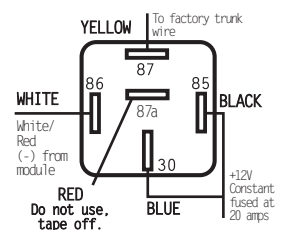


If your vehicle has a negative (-) parking output. When probing the wire(s) coming from your headlight switch, find a wire that shows (-) negative or ground when the parking lights are on, then switch the controller to the headlight position and test this same wire. It should have (-) negative or ground in the parking light position and the headlight position. Turn the light switch off, the (-) negative or ground should then turn off also. This is the correct wire. Connect the YELLOW wire from Part #775 to this wire. Connect the BROWN wire from the 4-pin harness to the WHITE wire on Part #775 connect the BLACK wire to 12V constant fused at 20 amps and connect the BLUE wire from Part #775 to ground. See "negative" diagram.

Trunk Release (-) (Optional)

(Optional part #775 is needed)

Locate the trunk release wire coming from the back of the trunk release switch. To determine if your trunk release is tripped by a (+) positive or a (-) negative (most trunk release switches are (+) positive). Place one end of your test light to ground, press the "Trunk" button, if the test light illuminates, you have a (+) positive trunk release. If it does not, connect the test light to +12V constant and probe the wire. If the test light illuminates when the button is pressed, then you have a (-) negative trunk release.



If your trunk output tests as a positive. Connect the YELLOW wire from part #775 to the trunk release wire. Connect the WHITE WITH RED STRIPE wire from the 14-pin harness to the WHITE wire on part #775. Connect the BLACK wire and the BLUE wire to +12V constant fused at 20 amps. If your trunk output tests as a (-) negative, connect the YELLOW wire from part #775 to the trunk release wire. Connect the WHITE WITH RED STRIPE wire from the 14-pin harness to the WHITE wire on part #775. Connect the BLACK wire to +12V constant fused at 5 amps. Connect the BLUE wire to ground.

LOCATING AND DETERMINING YOUR DOOR LOCK TYPE

In most cases, the factory door lock wires will be smaller gauge and located in the driver's kick panel or under the driver's dash.

NOTE: To help determine your door lock type, refer to the Door Lock Types by Manufacturer chart on page 13 or visit our web page at www.jbstech.com for specific detailed information on a particular vehicle.

If the year of your vehicle is listed as having two or more types of door lock systems, you must test for all of those types.

TESTING DOOR LOCK TYPE

There are 3 basic system types:

"Type A" Door Lock Test (Most GMs and most Chryslers)

Probe both of your door lock wires going to the door lock switch these wires are usually located in the driver's kick panel, attach one end of your test light to a good chassis ground. Using the vehicle's door lock controls, activate the lock then the unlock testing both wires one at a time. If the test light illuminates when you probe the lock and the unlock wires your vehicle has a "Type A" door locking system. Make sure to mark which wire is lock and unlock. Proceed to page 11 for Connecting Door Locks. If you are adding the Model #742 door lock actuator to your vehicle, you will have to connect the BROWN WITH BLACK STRIPE and the WHITE WITH BLACK STRIPE wires to ground.

"Type B" Door Lock Test (Most Imports, some newer Fords)

Probe both door lock wires going to the door lock switch these wires are usually located in the driver's kick panel. Attach one end of your test light to +12V using the vehicle's door lock controls activate the lock then the unlock testing both wires one at a time. If the test light illuminates when you probe the lock and the unlock wires your vehicle has a "Type B" door locking system. Make sure to mark which wire is lock and unlock. Proceed to page 11 for Connecting Door Locks.

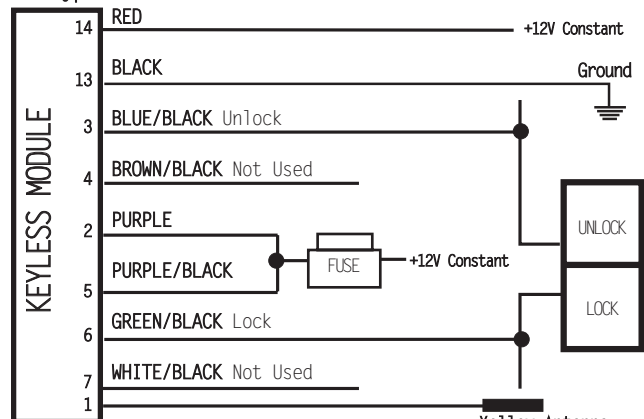
"Type C" Door Lock Test (Most Fords, some Chryslers, GM Trucks)

To determine switch and motor wires, cut both the lock and unlock wires in half. First press and hold the lock button on the driver's door, now test both lock wires. One wire will test as (+) positive and the other will remain neutral. Mark the wire that test positive as the switch wire and the neutral wire as the motor wire. Set these two wires aside. Next, press and hold the switch in the lock position and test both unlock wires. The wire that tests (+) positive, mark as the switch wire and mark the wire that tests neutral as the motor wire. Proceed to page 12 for Connecting Door

10 Locks.

CONNECTING DOOR LOCKS

"Type A" (+) Positive

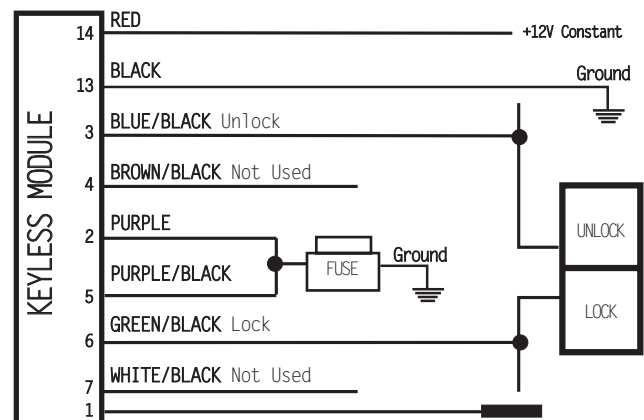


NOTE: Connect the PURPLE WITH BLACK STRIPE wire from the fuse to +12V constant power.

Yellow Antenna
Keep as straight as possible, tape the end to hold straight.

If you are adding the Model #742 door lock actuator to your vehicle, you will have to connect the BROWN WITH BLACK STRIPE and the WHITE WITH BLACK STRIPE wires to ground.

"Type B" (-) Negative



NOTE: Connect the PURPLE WITH BLACK STRIPE wire from the fuse to ground.

Yellow Antenna
Keep as straight as possible, tape the end to hold straight.