

# 80 SERIES

Advanced Remote Starters & Vehicle Security Systems

# ULTRA START

TM

## OWNER'S GUIDE

AUTOMATIC AND MANUAL TRANSMISSION MODELS\*

\*MUST USE M SERIES REMOTE STARTER!

**WARNING: NEVER USE AN AUTOMATIC TRANSMISSION  
STARTER IN A MANUAL TRANSMISSION VEHICLE**

[www.ultrastarters.com](http://www.ultrastarters.com)

Note: Some features may not be available on certain models.

### FCC ID NOTICE

This device complies with Part 15 of the FCC rules. Operation is subject to the following 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.

CAUTION: Changes or modifications not expressly approved by the part responsible for compliance void the user's authority to operate this device.

|  |                   |
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**IMPORTANT NOTES****BEFORE YOU START**

1) For safety reasons, the owner/user of this system **MUST INSTALL** a **CARBON MONOXIDE DETECTOR** in the living area near to where the vehicle is being stored or parked.

2) It is the sole responsibility of the owner/user to keep the remote transmitters away from the reach of children and handle with care so that the system does not unintentionally start.






3) When the vehicle is parked in an enclosed/partially enclosed area (*ex: garage, car port...*), being serviced (*ex: oil change*) or the vehicle is loaned to an operator not familiar with a remote starter, **the system MUST BE placed Service Mode.**

4) **MANUAL TRANSMISSION STARTERS** Never install a automatic remote start module into a manual transmission vehicle. Doing so could result in **EXTENSIVE DAMAGE TO YOUR VEHICLE, PROPERTY DAMAGE AND POSSIBLY CAUSE SERIOUS INJURIES OR EVEN DEATH!!**




5) Manual transmission vehicles must be set into reservation mode before the remote start will activate. If your manual transmission starter starts without setting reservation mode **RETURN TO YOUR DEALER AND HAVE IT REPLACED WITH THE CORRECT MANUAL TRANSMISSION MODEL IMMEDIATELY!!!!**

6) **NEVER REMOTE START THE SYSTEM IN AN ENCLOSED/ PARTIALLY ENCLOSED AREA!**

## SYSTEM OPERATIONS

| BUTTON   | BUTTON PRESS                               | HONKS / FLASH | SYSTEM FUNCTION  |
|--|--|---------------|--|
| <br>LOCK             | 1 SECOND                                   | 1             | LOCK DOORS/ ARM ALARM                                      |
|  | 3 SECONDS                                  | 1             | ACTIVATE PANIC MODE  |
|  | PRESS THEN<br>RELEASE THEN<br>PRESS & HOLD | 1             | ACTIVATE CONSTANT LOCK OUTPUT                              |
| <br>UNLOCK/<br>TRUNK | 1 SECOND                                   | 2             | UNLOCK DOORS/ DISARM ALARM                                 |
|  | 1 SECOND<br>WHILE ALARM IS<br>TRIGGERED    | NONE          | TURNS OFF ALARM/ DOOR STAY LOCKED                          |
|  | 5 SECONDS                                  | 2             | AUXILIARY #2 OUTPUT  |
| <br>START            | PRESS & RELEASE                            | 1             | ACTIVATES REMOTE STARTER                                   |
|  | PRESS & HOLD                               | 2             | TURN OFF REMOTE STARTER                                    |
| <br>AUX              | PRESS AND HOLD<br>HOLD FOR 3 SEC           | 2<br>ON       | AUXILIARY #1 OUTPUT (DEFAULT)<br>CAR FINDER (PROGRAMMABLE) |
|                      | PRESS TOGETHER<br>THEN RELEASE             | 1             | ACTIVATES SILENT LOCK WITHOUT<br>CHIRPS                    |
|  | PRESS TOGETHER<br>THEN RELEASE             | 2             | ACTIVATES SILENT UNLOCK WITHOUT<br>CHIRPS                  |

## SYSTEM OPERATIONS

| BUTTON  | BUTTON PRESS                     | HONKS / FLASH | SYSTEM FUNCTION                       |
|---|----------------------------------|---------------|---------------------------------------|
| <br>2ND CAR OPERATION | 1 SEC                            | 1             | 2ND CAR LOCK / ARM ALARM              |
|   | 3 SEC                            | 1             | 2ND CAR ACTIVATE PANIC                |
|   | PRESS /RELEASE THEN PRESS & HOLD | 1             | 2ND CAR ACTIVATE CONSTANT LOCK OUTPUT |
| <br>2ND CAR OPERATION | 1 SEC                            | 2             | 2ND CAR UNLOCK / DISARM ALARM         |
|   | 3 SEC                            | 2             | UNLOCK THEN TRUNK RELEASE             |
| <br>2ND CAR OPERATION | 1 SEC                            | 1             | 2ND CAR REMOTE START                  |
|   | 3 SEC                            | 2             | 2ND CAR REMOTE SHUTDOWN               |

## OPTIONAL 2 BUTTON REMOTE NOTES

THE SYSTEM MUST BE PROGRAMMED FOR 2 BUTTON REMOTE LOCK/UNLOCK TOGGLE TO OPERATE THE LOCK FEATURE ON THE VEHICLE. PRESSING THE UNLOCK BUTTON WILL TOGGLE BETWEEN THE LOCK AND UNLOCK OUTPUT.

THE SYSTEM MUST BE PROGRAMMED FOR 2 BUTTON REMOTE OR LOCK/UNLOCK TOGGLE TO ACCESS COLD START MODE AND THE FOURTH PROGRAM MENU.

PLEASE NOTE THAT THE DOOR LOCK/ UNLOCK FEATURE IS AN OPTION AND MAY REQUIRE ADDITIONAL PART AND LABOR.

## SYSTEM OPERATIONS



### PRESS & RELEASE

### REMOTE STARTER ACTIVATION

1. Press and release the Start button on the remote transmitter.\*
2. The park lights will flash and the siren\*\*/ horn will chirp once.
3. The vehicle will remote start. The park lights will stay on during run time\*\*\*  
See diagnostic chart if your vehicle fails to start.

**Note- Manual transmission vehicles must be set for reservation mode before remote starting. If your vehicle starts without setting reservation mode return to your dealer immediately as the incorrect remote starter has been installed.**

**\*Press twice within 3 seconds if the system is programmed for Safety Start.**

**\*\* Alarm Models**

**\*\*\*Default 15 minutes**



### TURN KEY ON

### KEY TAKE OVER

When the vehicle is remote started and you wish to enter the vehicle to drive away you must do the following.

1. Enter the vehicle then insert the key into the ignition switch.
2. Turn the key forward to the **or** RUN\* position. (This is usually 2-3 key positions)  
\*Do not turn the key to the start position.
3. Step on the brake and the remote start will turn off however the vehicle will continue to run because the key is on. If the key is not in the on position when the brake is pressed the remote starter and the vehicle will both shut off.\*\*

\*\* If the vehicle shuts down simply restart the engine with the key.

**DO NOT TURN THE KEY TO THE START POSITION WHILE THE ENGINE IS RUNNING**

**SYSTEM OPERATIONS****PRESS & HOLD****REMOTE STARTER SHUT DOWN**

1. While the vehicle is running with the remote starter press and hold the START button for three seconds.
2. The park lights will flash and the siren\* or horn (optional) will chirp 2 times to confirm shutdown.
  - Pressing the brake pedal or opening the hood will also shut down the remote starter.

**THE VEHICLE WILL SHUT OFF WHEN THE RUNTIME EXPIRES (DEFAULT 15MIN)**

**PRESS & RELEASE****ENGINE IDLE MODE**

This feature allows the user to safely leave the vehicle running without leaving the keys in the ignition.

1. While the vehicle is running with the key press and release the START button then remove the key from the ignition. The vehicle will run for 15 minute while you are away.

**PRESS & RELEASE****EXTENDED RUNTIME**

1. While the vehicle is running with the remote starter, press and release the START button.
2. The park lights will flash and the siren\* or horn (optional) will chirp one time to confirm. The system will reset the run time (See Example Below)\*\*.

\*\*Not available with 4 minute run time.

**Example-** If the vehicle has been remote started for 10 minutes and you press and release the start button the system will run for a addition 15 minutes totalling 25 minutes of runtime.

**PRESS & RELEASE****TURBO TIMER MODE**

While the vehicle is running with the key, press and release the # button. The park lights will turn on and the siren\* or horn (optional) will chirp twice ( If connected the doors will unlock). When the ignition key is turned to the "OFF" position the vehicle will remain running for 2 minutes.

**\*Press # twice on manual transmission models.**



**PRESS & RELEASE**

**RESERVATION MODE**

REQUIRED ON MANUAL TRANSMISSION VEHICLES ONLY. RESERVATION MODE MUST BE SET TO REMOTE START THE VEHICLE.

**RESERVATION MODE TYPE -1 (DEFAULT SETTING)**

- 1) PLACE THE TRANSMISSION INTO NEUTRAL (VEHICLE RUNNING).
- 2) APPLY THE PARKING BRAKE.
- 3) PRESS AND RELEASE THE # BUTTON ON THE REMOTE.  
*THE PARK LIGHTS WILL FLASH AND THE HORN (IF CONNECTED) WILL HONK TWICE.*
- 4) REMOVE THE KEY. (THE VEHICLE WILL STAY RUNNING).
- 5) EXIT THE VEHICLE. THE ENGINE WILL SHUT OFF WHEN THE DOOR IS CLOSED.

THE SYSTEM CAN NOW BE ACTIVATED BY PRESSING THE START BUTTON.

**RESERVATION MODE TYPE -2 (DEALER PROGRAMMABLE)**

- 1) PLACE THE TRANSMISSION INTO NEUTRAL (VEHICLE RUNNING).
- 2) APPLY THE PARKING BRAKE.  
*THE PARK LIGHTS WILL FLASH AND THE HORN (OPTIONAL) WILL HONK TWICE.*
- 3) REMOVE THE KEY. (THE VEHICLE WILL STAY RUNNING).
- 4) EXIT THE VEHICLE. THE ENGINE WILL SHUT OFF WHEN THE DOOR IS CLOSED.

THE SYSTEM CAN NOW BE ACTIVATED BY PRESSING THE START BUTTON.

**RESERVATION MODE WILL CANCEL IF A DOOR IS RE- OPENED. TO ENTER THE VEHICLE WITHOUT CANCELLING RESERVATION MODE REMOTE START THE VEHICLE THEN SHUT THE SYSTEM OFF BY THE REMOTE ONCE THE DOORS ARE CLOSED AGAIN.**



**PRESS & RELEASE****ARM SYSTEM / LOCK DOORS**

1. Press and release the Arm/ Lock button on the remote transmitter.
2. The park lights will flash and the siren\* or horn (optional) will chirp one time.
3. The doors will lock and the Starter Disable will activate. (optional)
4. The LED will start flashing within five seconds. Programmable.

Alarm Models- Once armed the alarm can be triggered by the shock sensor (impact to vehicle), door inputs (opening door / hood) or turning the ignition on.

**NOTES:**

- If a door is open or delay dome light is on 30 seconds after arming, the system will chirp 3 times to indicate door input is bypassed until door is closed or dome light turns off.
- If system is programmed for silent arming the siren will not chirp when arming although the park lights will still flash.
- If system is in valet mode the doors will lock/ unlock but the siren will not chirp. The LED indicator will be on solid.

*See Valet / Service Mode in this manual for further information*

**PRESS & HOLD****ACTIVATE TRUNK RELEASE**

1. Press and HOLD the Disarm / Unlock button on the remote.
2. The park lights will flash and the siren\* or horn (optional) will chirp two times.
3. The doors will unlock and the Starter Disable will deactivate. (optional)
4. The LEDs will stop flashing.
5. Continue to HOLD until the Trunk Release Activates/ Opens.

**NOTES:**

- For safety, the trunk release will not active when ignition key is ON.

## SYSTEM OPERATIONS



### PRESS & RELEASE

#### DISARM SYSTEM / UNLOCK DOORS

1. Press then release the Disarm / Unlock button on the remote.
2. The park lights will flash and the siren\* or horn (optional) will chirp two times.\*
3. The doors will unlock and the Starter Disable\*\* will deactivate.
4. The LEDs will stop flashing.

#### NOTES:

- If the alarm was active (siren sounding), the first press of the unlock button will turn off the siren and the second press will unlock / disarm.
- Siren will chirp 3 times if alarm was triggered while armed. *See alarm diagnostics section of manual for further information*
- If system is programmed for silent disarm, siren will not chirp when disarming, park lights will flash 2 times. *Contact installer if you do not want this feature.*
- If system is in valet mode, siren will not chirp and park lights will not flash but doors will unlock. LED will be one SOLID. *See Valet / Service Mode section of manual for further information.*

\*\* *Optional Feature may require additional parts*



### PRESS TWICE

#### DRIVER'S DOOR PRIORITY UNLOCK

1. Press then release the Disarm / Unlock button on the remote transmitter.
2. The park lights will flash and the siren\* or horn (optional) will chirp two times.\*
3. The driver's doors will unlock and the Starter Disable will deactivate. (optional)
4. The LEDs will stop flashing.
5. Press the Disarm / Unlock Button a second time within 3 seconds and the other doors will unlock.\*

\*This is an optional feature that may not be available on all vehicles.

**SYSTEM OPERATIONS****PRESS HOLD****ACTIVATE PANIC MODE**

1. Press and HOLD the Arm/ Lock button for three seconds.
2. The doors will lock and the Starter Disable will activate. (optional)
3. The park lights will begin to flash and the siren will activate.
4. To turn off panic, press Lock or Unlock buttons on remote.
5. If no button is pressed, Panic Alarm will sound up to 1 minute then turn off.

***Panic Mode** is a personal protection feature that allows you to activate your alarm from the remote transmitter. This feature can be used to draw attention to your vehicle if you feel threatened.*



+

**PRESS TOGETHER****SILENT ARM / SILENT DISARM**

1. Press then release the Lock & Unlock buttons together.
2. If the system is DISARMED, it will Arm and Lock with no siren chirps and 1 light flash.
3. If the system is ARMED, it will Disarm and Unlock with no siren chirps and 2 light flash.

**\*Not available on all models**

**PRESS & HOLD for 3 sec****CAR FINDER MODE**

1. PRESS & HOLD the # button on the remote transmitter for 3-5 seconds.  
- The siren will chirp and the park lights will flash 5 times.

*This feature helps in locating your vehicle in a crowded parking lot. It allows you hear and see your vehicle from a distance.*

*\*The horn output must be connected and this feature must be programmed on.*

*Car Finder Mode is not available on 2way models. Pressing the # button on a 2way will make the remote do a status update. Holding the # button will enter the remote into remote program mode. See 2way section of the manual.*

## SYSTEM OPERATIONS



### AUXILIARY OUTPUT 1

The Aux output can be programmed for a variety of custom applications. (SEE DEALER FOR DETAILS)

1. To activate Auxiliary Channel 1 output press and hold the # button for 3 seconds.
2. The system will unlock/ disarm then the output will activate.
3. Release the buttons for a momentary output or continue holding for up to a 5 second output.

This feature can be used to open or close power windows, sliding doors on minivans or activate "door popper" motors.



### AUXILIARY OUTPUT 2

The Aux output can be programmed for a variety of custom applications. (SEE DEALER FOR DETAILS)

1. To activate Auxiliary Channel 2 output press and hold the unlock and start buttons for 3 seconds.
2. The system will unlock/ disarm then the output will activate.
3. Release the buttons for a momentary output or continue holding for up to a 5 second output.

This feature can be used to open or close power windows, sliding doors on minivans or activate "door popper" motors.

***Having the Auxiliary output options connected is subject to addition labour and parts. Some features and functions are not available on all vehicles.***

**SYSTEM OPERATIONS****IGNITION AUTO LOCKS**

This optional feature can be programmed to automatically lock the doors when the ignition key is turned to the on position then automatically unlock the doors when the ignition key is turned to the off position.

**PASSIVE ARMING**

The Passive Arming feature is used to ensure that the vehicle is not left with the alarm disarmed.

**Type-1** When programmed for Passive Arming (Type-1) the system will automatically arm and lock (optional) the doors 30 seconds after the last door is closed.

**Type-2** When programmed for Passive Arming with Rearm (Type-2) the system will automatically arm and lock (optional) the doors 30 seconds after the unlock button is pressed on the remote.

**USE CAUTION WHEN THIS FEATURE IS ENABLED AS THE DOORS ARE SET TO LOCK WHEN THE SYSTEM ARMS. DO NOT LEAVE YOUR KEYS IN THE IGNITION.**

**STARTER DISABLE**

Starter Disable is a feature that is designed to help prevent the theft of your vehicle. When the alarm is armed the system will interrupt the vehicles starter wire thus disabling the vehicle from starting. Disarming the alarm will re-enable the start circuit and allow the vehicle to start.

**DOMELIGHT SUPERVISION**



This feature is designed to turn on the interior or exterior lights of your vehicle when the Disarm/Unlock button is pressed. The light circuit will stay active for up to 30 seconds or until the ignition key is turned to the on position.







**PRESS AND HOLD**

## COLD START MODE

Timer Mode will start the vehicle at a user selectable start interval or by temperature. The vehicle will start at the selected start interval/ temperature and run for the programmed runtime\*. **EXAMPLE:** If the 4 hour start cycle was selected, the vehicle will start once every 4 hours. (Default 15 minutes)



Press and Hold  +  for 3 seconds or until the park lights turn on.

While the park lights are on the start cycle may be selected. See below:

-  Sets for temp 1 (0c/ 32f) temp sensor must be installed. Programs for one hour start interval w/o temp sensor.
-  Sets for temp 2 (-5c/ 23f) temp sensor must be installed. Programs for two hour start interval w/o temp sensor.
-  Sets for temp 3 (-15c/ 5f) temp sensor must be installed. Programs on three hour start interval w/o temp sensor.
-  Sets for temp 4 (-25c/ -13f) temp sensor must be installed. Programs on four hour start interval w/o temp sensor.

**NOTE:** Timer Mode must be set each time the user wishes to use this feature. Reservation Mode must be set (Manual Transmission Only) to enter Timer Mode.

### To Cancel Timer Mode

Press and Hold  +  for 3 seconds or until the park lights flash twice.

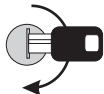
Note- Timer Mode will automatically turn off after 24 hrs. Pressing the brake pedal or turning the ignition to the ON position will also cancel Timer Mode.

**IMPORTANT: Never remote start or set the Timer Mode if the vehicle is parked in a Garage or Attached Carport!**

## SERVICE MODE

This feature is to be used when the vehicle is being serviced or if the remote transmitter is lost or is not communicating with the system. This will disable the remote starter from activating and disable the alarm of alarm models.

### ACTIVATING SERVICE MODE



**Turn the Ignition Key ON**  
(Leave in the ON position)

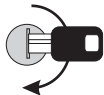


**Press and hold the Valet switch for 8 to 15 seconds**  
(Time depends on "Valet Settings" Program Option)



**The horn/ siren\* will chirp 5 times as confirmation that the system is in Service Mode. The LEDs on the antenna will turn on Solid.**

### DEACTIVATING SERVICE MODE



**Turn the Ignition Key ON**  
(Leave in the ON position)



**Press and hold the Valet switch for 8 to 15 seconds**  
(Time depends on "Valet Settings" Program Option)






**The horn/ siren\* will chirp 2 times as confirmation that Service Mode is OFF. The LEDs on the antenna will turn on OFF.**



**\*SIREN FUNCTION ON ALARM MODELS**

The system can lean up to 4 different remote's. Each remote to be used **MUST** be programmed together during the same sequence. For security, when a new remote is programmed all previous remote's are deleted. Please see remote operation chart for information on using Second Car / Pad Lock Operations.



**ENTERING REMOTE PROGRAM MODE**

- 1 -  Cycle the Ignition Key - ON/OFF ON/OFF ON (Leaving the key ON)
- 2 -  HOLD the program switch, the HORN will honk ONCE and the park lights will turn on. (If the HORN does not honk repeat step 1) CONTINUE TO HOLD until the HORN honks 5 times
- 3 -  1 honk confirms program mode entered followed by 5 honks confirming transmitter program mode

**PROGRAMMING REMOTE'S**

- 4 -  Press & Release LOCK (START ON 1172) button on 1st Remote to be Programmed for Normal Operation *If remote(s) are to be programmed for "PADLOCK" skip and goto step 6.*
- 5 -  HORN will honk 1 time to confirm remote has been programmed (If the HORN does not honk press button again)

**REPEAT STEP 4 IF A SECOND REMOTE IS TO BE PROGRAMMED FOR NORMAL OPERATION**

- 6 -  Press & Release BUTTON 4 on Remote to be Programmed for 2ND CAR OR PAD LOCK
- 7 -  HORN will honk 1 time to confirm remote has been programmed (If the HORN does not honk press button again)

*To program 2nd car operation on 2way models enter transmitter program mode and turn the # icon on then program the transmitter to the vehicle. If the # icon is on the remote is in 2nd car operation*

**REPEAT STEP 6 IF A SECOND REMOTE IS TO BE PROGRAMMED FOR 2ND CAR / PADLOCK OPERATION**

- 8 -  Turn ignition key OFF to exit remote program mode when all required remote's have been programmed.



**SHOCK SENSOR ADJUSTMENTS (ALARM MODELS)****1 - ENTER SHOCK SENSOR ADJUSTMENT MODE**

**Press & HOLD Lock + Unlock buttons at the same time**



**3 CHIRPS**

Continue to hold for 3-5 seconds Until Siren Chirps 3 times (Note: System will Arm or Disarm via silent arming prior to entering adjustment mode)

**2 - ADJUSTING SENSOR**

Each time the lock button is pressed and released the sensitivity will be **INCREASED** by 1 level.

This is confirmed by a series of park light flashes & Siren Chirps

1 Flash / Chirp is the least sensitive setting

10 Flashes / Chirps is the most sensitive setting



Each time the unlock button is pressed and released the sensitivity will be **DECREASED** by 1 level.

This is confirmed by a series of park light flashes & Siren Chirps

1 Flash / Chirp is the least sensitive setting

10 Flashes / Chirps is the most sensitive setting

**3 - EXITING SENSOR ADJUSTMENT MODE**

**Press & HOLD Lock + Unlock buttons at the same time**

(NOTE: Shock Sensor Adjustment Mode has an auto time out of 8 seconds)

**SHOCK SENSOR BYPASS (ALARM MODELS)**

If the vehicle is being parked in a area with high levels of vibrations i.e: The Airport the shock sensor can be turned off to avoid false alarms.

- 1- Press lock on the remote then within 3 seconds press and release the start button.
- 2- The shock sensor will reactivate the next time the system is armed.

**ALARM STATUS / DIAGNOSTICS**

Diagnostic Mode is a tool that can help trouble shoot a start fault. If the remote starter fails to start i.e.: the hood is open the park lights will flash a diagnostic code. i.e.: 5 flashes = start attempt with hood open. If the vehicle does not remote start, count the park light flashes then compare it to the chart below.

| PARK LIGHTS    | LED FLASHES         | DIAGNOSTICS / STATUS                    |
|----------------|---------------------|---|
| 3 SLOW FLASHES | LED's ON SOLID      | SYSTEM IS IN SERVICE MODE.              |
| 4 SLOW FLASHES | SERIES OF 8 FLASHES | NOT SET IN RESERVATION MODE "M" MODELS  |
| 5 SLOW FLASHES | SERIES OF 5 FLASHES | START ATTEMPT WHILE IGNITION IS ON      |
| 5 FLASHES      | SERIES OF 5 FLASHES | START ATTEMPT WITH HOOD SWITCH OPEN     |
| 6 FLASHES      | SERIES OF 6 FLASHES | START ATTEMPT WITH BRAKE APPLIED        |
| 7 FLASHES      | SERIES OF 7 FLASHES | SYSTEM IS IN TACH LOCK OUT (SEE DEALER) |
| 8 FLASHES      | SERIES OF 8 FLASHES | THREE START ATTEMPTS WITH NO START      |

The start fault must be corrected in order for the system to operate correctly. See your dealer for additional trouble shooting or visit [www.ultrastarters.com](http://www.ultrastarters.com) and visit the support page..

**TROUBLE SHOOTING****The LED's do not turn on when Tach Learning?**

- 1) The Tach wire input may be connected to the wrong wire. Check the Tach location and connection then "reset and relearn".
- 2) The system may be in Tachless Mode. On TL models the Tach wire connection is optional and the LED's do not turn on during the 35 second learn procedure.

**When I unlock the doors the windows roll down or the Trunk Pops?**

This issue is caused by the length of the unlock pulse. To correct this issue program the system for short door lock pulses. (125ms)

**The alarm activates 30-45 minutes after setting it?**

To prevent the vehicles battery from going dead the computer will "hibernate" like your home computer might. In some vehicles this causes the door pin input to change state. The alarm detects the change of state and activates. A relay must be installed to isolated the door pin circuit from the alarm.

**The starter motor stays engaged to long when remote started?**

Reset then relearn the Tach with the transmission in reverse. If the vehicle is tach learned when the idle is high the starter motor may "drag". Check your ground connection if issues persist.

**WARRANTY**

Applied Security Technologies, Inc. ("AST") promises to the original purchaser to repair or replace with a comparable reconditioned model any AST control module ("module") excluding without limitation the any other accessories, including but not limited to the antenna, remote, siren and wiring harness, proves to be defective in workmanship or material under reasonable use during the lifetime of the vehicle it was originally installed, provided the following conditions have been met: the module was professionally installed and serviced by an authorized AST dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized AST dealer; the warranty information card was sent to AST within 10 days of the original installation date. Any warranty returns include a warranty return authorization number issued by AST, original bill or sale and be pre-paid shipped directly to AST. After an initial period of 2 years from the date of installation, AST reserves the right, at its sole discretion, to charge a warranty processing fee of \$30.00 USD. AST does not cover the cost for return freight on warranty items, this cost is the sole responsibility of the purchaser.

All components included with the original packaged unit other than the module, including but not limited to the siren, antenna and the remote transmitters, carry a one-year warranty from the date of purchase of the same. Any warranty returns on components must include a warranty return authorization number issued by AST, original bill or sale and be pre-paid shipped directly to AST. This warranty is non-transferable and is automatically void if: the original purchaser has not completed the warranty card and mailed it within ten (10) days of the date of purchase to the address listed on the card; the unit's date code or serial number is defaced, missing or altered; the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. AST, at its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage, including, but not limited to, overloading, moisture and physical damage.

To the maximum extent allowed by law, any and all warranties are excluded by the manufacturer and each entity participating in the stream of commerce therewith. This exclusion includes but is not limited to, the exclusion of any and all warranty of merchantability and/or any and all warranty of fitness for a particular purpose and/or any and all warranty of non-infringement or patents, in the United States of America and/or abroad. Neither the manufacturer or any entities connected therewith shall be responsible or liable for any damages whatsoever, including but not limited to, any consequential damages, incidental damages, damages for loss of time, loss of earnings, commercial loss, loss of economic opportunity and the like. Notwithstanding the above, manufacturer does offer a limited warranty to replace or repair the control module as describe above.

Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights, which vary State to State.

**\*\*FOR DETAILED VEHICLE WIRING INFORMATION GO TO:**  
[http://www.ultrastarters.com/wiring\\_diagrams.html](http://www.ultrastarters.com/wiring_diagrams.html)

This site is for registered and authorized dealer only.

If you are an authorized dealer but have been registered, please fill out the service request form at  
[http://www.ultrastarters.com/wiring\\_diagrams.html](http://www.ultrastarters.com/wiring_diagrams.html)

PRODUCT INFORMATION: [www.ultrastarters.com](http://www.ultrastarters.com)  
TECHNICAL SUPPORT: [support@ultrastarters.com](mailto:support@ultrastarters.com)  
ORDERING: [orders@ultrastarters.com](mailto:orders@ultrastarters.com)

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Technical Support: [support@ultrastarters.com](mailto:support@ultrastarters.com)  
Additional Product Information: [www.ultrastarters.com](http://www.ultrastarters.com)