

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 likes 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.
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 and visit the support page.

KE&RS_OWNERS_2UP.qxd

Keyless Entry & Remote Start

Owner's Manual



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TROUBLE SHOOTING

SYMPTOM	CAUSE/SOLUTION
Vehicle is not remote starting?	- Count the park light flashes then see the diagnostics page. - Check battery voltage in the remote. - Make sure you are with-in operating range. - Check if the vehicle anti-theft is activating. - Reprogram the remote's using Transmitter Program Mode.
Vehicle starts then shuts off by itself	- Check if the vehicle anti-theft is activating. - Is the starter motor staying on to log? If so, reprogram the tach and try again. - See dealer if problem is not resolved.
The system does not respond to the remote transmitter	- Try your second remote. - Check the batteries in the remote. - Reprogram the remote's using Transmitter Program Mode. - Make sure you are with-in operating range.
Doors do not lock Or unlock	- Was this optional feature installed? - Have your installer check the door lock connector. - Have bypass or keyless module reprogrammed.
Horn does not honk	- Was this optional feature installed? - Try panic mode to see if horn activates. If not, have the systems horn output checked.
Lights on the antenna are flashing	- When the doors are locked by the remote the LEDs will flash until the unlock button is pressed. - If you do not want the LEDs to flash have your installer program the LED flashes off.

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
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REMOTE PROGRAMMING

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 -  Turn the Ignition Key - ON/OFF ON/OFF ON (Leaving the key ON)
- 2 -  HOLD 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 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 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)

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.

IMPORTANT NOTES

ATTENTION

Please take a moment to review the safety precautions before operating your system.

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. IF THIS SYSTEM WAS INSTALLED IN A MANUAL TRANSMISSION VEHICLE, RETURN TO YOUR DEALER AND HAVE IT DISABLED UNTIL THE CORRECT MODEL CAN BE INSTALLED.**

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



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
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QUICK VIEW CHART

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



QUICK VIEW CHART



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COLD START MODE

SETTING COLD START MODE

Cold Start Mode will start the vehicle at a user selectable start interval. The vehicle can be set to start once every 2, 3 or 4 hours, for a maximum of 12 starts. The vehicle will start at the selected start interval and run for the programmed runtime*. **EXAMPLE:** If the 4 hour start cycle was selected, the vehicle will start once every 4 hours and run for the programmed runtime*.

Method 1- Press and release the  button, then press and hold the  button for 6 seconds or until park lights turn on. Use on 2way Models.

Method 2 - Press the  and  buttons at the same time for 3 seconds or until the park lights will turn on.



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



2 hours	Press and release the  button	2 Park light flashes
3 hours	Press and release the  button	3 Park light flashes
4 hours	Press and release the  button	4 Park light flashes

NOTE: Timer Mode must be set each time the user wishes to use this feature.

To Cancel Cold Start Mode

Timer Mode will automatically turn off after 24 hrs or you may use one of the following methods to manually disable Timer Mode. Cancellation will be confirmed with 2 park light flashes and 2 horn Honks.

Method 1- Press and release the  button, then press and hold the  button for 6 seconds.



Method 2- Press the  and  buttons at the same time for 3 seconds.



NOTE: Pressing the brake pedal or turning the ignition to the ON position will cancel Cold Start Mode.

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
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VERRIDE MODE


EMERGENCY OVERRIDE MODE

This feature is to be used if the remote transmitter is lost or is not communicating with the system. This will disable the optional starter disable if installed. Follow the steps below to deactivate your system.


ACTIVATING EMERGENCY OVERRIDE 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 will honk 5 times as confirmation that the system is now in Emergency Override Mode.

DEACTIVATING EMERGENCY OVERRIDE 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)


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
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
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QUICK VIEW CHART

BUTTON	BUTTON PRESS	HONKS / FLASH	SYSTEM FUNCTION
 2ND CAR OPERATION	1 SEC	1	2ND CAR LOCK
	3 SEC	1	2ND CAR ACTIVATE PANIC*
	PRESS THEN RELEASE THEN PRESS & HOLD	1	2ND CAR ACTIVATE CONSTANT LOCK OUTPUT
 2ND CAR OPERATION	1 SEC	2	2ND CAR UNLOCK
	1 SEC WHILE PANIC IS TRIGGERED	NONE	2ND CAR TURNS OFF HORN BUT THE DOORS STAY LOCKED

SERVICE MODE / EMERGENCY OVERRIDE MODE

TO AVOID SERIOUS INJURY, this remote start system must be set into Service Mode before any under hood servicing is started. Service Mode will prevent the vehicle from starting while the vehicle is being serviced. It is the sole responsibility of the vehicle's owner to place the system into Service Mode. The manufacture accepts no responsibility for accidental starting of the vehicle while the vehicle is being serviced.

ACTIVATING / DEACTIVATING VALET MODE / EMERGENCY OVERRIDE

 Turn the Ignition Key ON

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


 5 HONKS = OFF	REMOTE START DEACTIVATED
 2 HONKS = ON	REMOTE START ACTIVATED

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

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

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 Turn the Ignition Key ON

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

 5 HONKS = OFF	REMOTE START DEACTIVATED
 2 HONKS = ON	REMOTE START ACTIVATED

SYSTEM OPERATIONS



PRESS & RELEASE

REMOTE STARTER ACTIVATION

1. Press and release the START button on the remote transmitter one time.*
*Press twice if the system is programmed for Safety Start.
2. The park lights will flash and the horn (optional) will Honk once as confirmation.
3. The vehicle will remote start and the park lights will turn on and remain on while the vehicle is running under remote start**.

- If the remote start fails to start see the diagnostics chart at the back of the manual.

**DEFAULT RUNTIME OF THE SYSTEM IS 15 MINUTES.



TURN KEY ON

KEY TAKEOVER

Once the vehicle is remote started and you wish to enter the vehicle to drive away you must perform the following steps.

1. Enter the vehicle then insert the key into the ignition switch.
2. Turn the key forward to the ON or RUN* position.
*Do not turn the key to the start position.
3. Step on the brake and the remote starter 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.

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SYSTEM OPERATIONS



HOLD THE * BUTTON

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 the doors then the AUX 1 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 the trunk, open or close power windows or control sliding doors on minivans.



HOLD UNLOCK

AUXILIARY OUTPUT 2/ TRUNK RELEASE

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 Buttons for 3 seconds.
2. The system will unlock the doors then the AUX 2 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 the trunk, open or close power windows or control sliding doors on minivans.

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

SYSTEM OPERATIONS



HOLD THE * BUTTON

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 the doors then the AUX 1 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 the trunk, open or close power windows or control sliding doors on minivans.



HOLD UNLOCK

AUXILIARY OUTPUT 2/ TRUNK RELEASE

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 Buttons for 3 seconds.
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This feature can be used to open the trunk, open or close power windows or control sliding doors on minivans.

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

SYSTEM OPERATIONS



PRESS HOLD

ACTIVATE PANIC MODE

1. Press and HOLD the Lock Button for three seconds.
2. The doors will lock.
3. The park lights will begin to flash and the horn will honk ON and OFF.
4. To turn off panic, press Lock or Unlock Buttons on remote.
5. If no button is pressed, Panic will stay active for 1 minute then turn off.

Panic Mode is a personal protection feature that allows you to flash your parking lights & horn from the remote transmitter. This feature can be used to draw attention to your vehicle if you feel threatened.



PRESS TOGETHER

SILENT LOCK / SILENT UNLOCK

1. Press then release the Lock & Unlock buttons together.
2. If the system is UNLOCKED, it will Lock the doors with no horn honks. The park lights will flash 1 time.
3. If the system is LOCKED, it will Unlock the doors with no horn honks. The park lights will flash 2 times.



PRESS & HOLD for 3 sec

CAR FINDER MODE

1. PRESS & HOLD The # Button on the remote transmitter for 5 seconds.
- The horn will honk 5 times 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..

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 horn (optional) will honk 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 horn (optional) will honk one time as confirmation.

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 horn (optional) will Honk 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.

SYSTEM OPERATIONS



PRESS HOLD

ACTIVATE PANIC MODE

1. Press and HOLD the Lock Button for three seconds.
2. The doors will lock.
3. The park lights will begin to flash and the horn will honk ON and OFF.
4. To turn off panic, press Lock or Unlock Buttons on remote.
5. If no button is pressed, Panic will stay active for 1 minute then turn off.

Panic Mode is a personal protection feature that allows you to flash your parking lights & horn from the remote transmitter. This feature can be used to draw attention to your vehicle if you feel threatened.



PRESS TOGETHER

SILENT LOCK / SILENT UNLOCK

1. Press then release the Lock & Unlock buttons together.
2. If the system is UNLOCKED, it will Lock the doors with no horn honks. The park lights will flash 1 time.
3. If the system is LOCKED, it will Unlock the doors with no horn honks. The park lights will flash 2 times.



PRESS & HOLD for 3 sec

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SYSTEM OPERATIONS



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SYSTEM OPERATIONS



PRESS & RELEASE

LOCK DOORS

1. Press and release the Lock Button on the remote transmitter.
2. The park lights will flash and the horn (optional)** will Honk one time.
3. The doors will lock.
4. The LED will start flashing within five seconds.

NOTES:

- If the panic mode is activated pressing the lock button on the remote will stop the horn from sounding.
- The horn can be programmed to honk with Car Finder and Panic Mode only.
- If the system is in Service Mode the doors will lock/ unlock but the horn will not honk.
- The LEDs will be on solid if the system is in Service Mode.

See Valet / Service Mode in this manual for further information

** Optional Feature may require additional parts and labor.

NEW- The LEDs can now be programmed not to flash when the doors are locked by the remote transmitter.



PRESS & HOLD

TRUNK RELEASE/ AUX 2 OUTPUT

1. Press then HOLD the Unlock Button on the remote transmitter.
2. The park lights will flash and the horn (optional)** will honk two times.
3. The doors will unlock and the dome lights will activate. (optional)**
4. The LEDs will stop flashing.
5. Continue to HOLD the Unlock Button until the trunk release activates.

NOTES:

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

** Optional Feature may require additional parts and labor.

SYSTEM OPERATIONS



PRESS & RELEASE

UNLOCK DOORS

1. Press then release the Unlock Button on the remote transmitter.
2. The park lights will flash and the horn (optional) will honk two times.
3. The doors will unlock and the dome lights will activate. (optional)**
4. The LEDs will stop flashing.

NOTES:

- If the panic mode is activated the first press of the unlock button will turn off the horn off and the second press will unlock the doors.
- The horn can be programmed to honk with Car Finder and Panic Mode only.
- If the system is in valet mode the doors will lock/ unlock but the horn will not honk.
- The LEDs will be on solid if the system is in valet mode.

See Valet / Service Mode in this manual for further information

** Optional Feature may require additional parts and labor.



PRESS TWICE

DRIVER'S DOOR PRIORITY UNLOCK

1. Press then release the Unlock Button on the remote transmitter.
2. The park lights will flash and the horn (optional) will honk two times.*
3. The driver's doors will unlock and the dome lights will activate. (optional)**
4. The LEDs will stop flashing.
5. Press the Unlock Button a second time within 3 seconds and all of the other doors will unlock.**

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

** Optional Feature may require additional parts and labor.

SYSTEM OPERATIONS



PRESS & RELEASE

LOCK DOORS

1. Press and release the Lock Button on the remote transmitter.
2. The park lights will flash and the horn (optional)** will Honk one time.
3. The doors will lock.
4. The LED will start flashing within five seconds.

NOTES:

- If the panic mode is activated pressing the lock button on the remote will stop the horn from sounding.
- The horn can be programmed to honk with Car Finder and Panic Mode only.
- If the system is in Service Mode the doors will lock/ unlock but the horn will not honk.
- The LEDs will be on solid if the system is in Service Mode.

See Valet / Service Mode in this manual for further information

** Optional Feature may require additional parts and labor.

NEW- The LEDs can now be programmed not to flash when the doors are locked by the remote transmitter.



PRESS & HOLD

TRUNK RELEASE/ AUX 2 OUTPUT

1. Press then HOLD the Unlock Button on the remote transmitter.
2. The park lights will flash and the horn (optional)** will honk two times.
3. The doors will unlock and the dome lights will activate. (optional)**
4. The LEDs will stop flashing.
5. Continue to HOLD the Unlock Button until the trunk release activates.

NOTES:

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

** Optional Feature may require additional parts and labor.

SYSTEM OPERATIONS



PRESS & RELEASE

UNLOCK DOORS

1. Press then release the Unlock Button on the remote transmitter.
2. The park lights will flash and the horn (optional) will honk two times.
3. The doors will unlock and the dome lights will activate. (optional)**
4. The LEDs will stop flashing.

NOTES:

- If the panic mode is activated the first press of the unlock button will turn off the horn off and the second press will unlock the doors.
- The horn can be programmed to honk with Car Finder and Panic Mode only.
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