

Ford Motor Company

Vehicle Security and Remote Start Systems

Remote Start System with Keyless Entry

Remote Start System with Keyless Entry

Remote Start System with Keyless Entry

***Owner's Manual
Manual del propietario
Guide de l'utilisateur***

101820-9
2/03



Featuring PowerCode Technology™

For the Ultimate in Comfort, Convenience and Security

Contents

Remote Control Operation	3
<i>Locking the Doors</i>	<i>3</i>
<i>Unlocking the Doors</i>	<i>3</i>
<i>Convenience and Safety Features</i>	<i>4</i>
Using the Remote Control Start Function	6
<i>Starting Your Vehicle:</i>	<i>6</i>
<i>Entering the Vehicle While it is Running via Remote Start:</i>	<i>6</i>
<i>Turning on the Rear-Window Defroster (if connected):</i>	<i>7</i>
<i>Using the "Quick-stop" Feature:</i>	<i>7</i>
<i>Service/Valet Mode:</i>	<i>7</i>
System Operation	8
<i>The Interior Status Indicator</i>	<i>8</i>
<i>Emergency Starter Interrupt Override Procedure</i>	<i>8</i>
System Maintenance	9
<i>Changing the Remote Control Battery:</i>	<i>9</i>
<i>Adding Remote Controls to Your System:</i>	<i>9</i>
<i>Deleting Lost or Stolen Remote Control Transmitters from Your System:</i>	<i>9</i>

Notice:

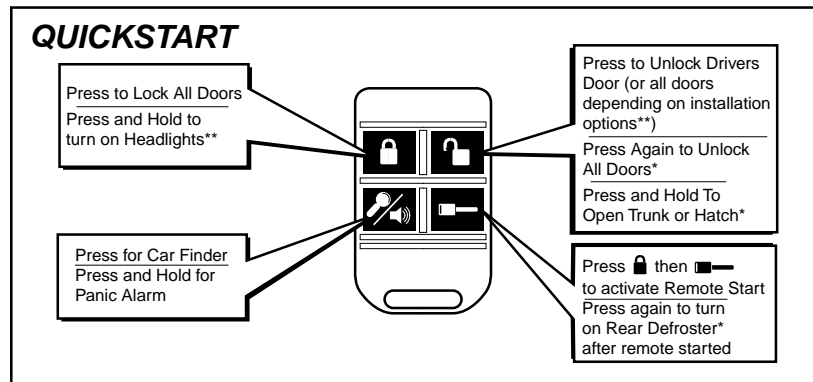
Do not remote start vehicle in an enclosed environment (i.e. closed garage). Prolonged operation of a motor vehicle in an enclosed environment can cause a harmful build-up of Carbon Monoxide. Carbon Monoxide is harmful to your health. Exposure to high levels of carbon monoxide can cause headaches, dizziness or in extreme cases unconsciousness and/or death.



Congratulations on your purchase of a Ford Motor Company PowerCode Vehicle security and/or convenience system. PowerCode Technology™ represents the latest in automotive convenience and protection systems. Your PowerCode system, purchased today, is ready to accept tomorrows advancements in technology. Consult your dealer for details on how to upgrade your PowerCode system.

PowerCode Technology™, IT-s, Lite Touch and Real-Panic are Registered Trademarks of Code Systems, Inc.

Remote Control Operation



Locking the Doors

Using the PowerCode Remote Control Transmitter:

Press* the button on the PowerCode remote control transmitter. The system will lock the doors and flash the parking lights. If the button is pressed a second time within 5 seconds, the system will chirp the horn to confirm that the system has locked the doors.

Note: Your Power Code system provides the added security feature of starter interrupt whenever the doors are locked by the OE or Power Code key fob. Unlocking / locking the doors using the key will not disable / enable the starter interrupt security feature. If the doors are locked by either the OE or Power Code key fob you must use either the OE or Power Code key fob to disable the starter interrupt feature otherwise the vehicle will not start using the ignition key.

Using the factory supplied Keyless Entry Remote control:

Your PowerCode system while enhancing the convenience features offered by your vehicle does not alter the functions of the factory supplied RKE system (if equipped). Additionally, Your PowerCode system will also control the extended functions offered by the factory supplied RKE system (i.e. Memory seat control and/or Power side sliding doors).

entry into your vehicle.



When the doors are unlocked using the PowerCode remote control transmitter or the factory supplied RKE keyfob, the system disarms the starter interrupt feature.

* "Press" refers to pushing a transmitter button for approximately one second.

** Optional installation feature, see your dealer for details.



Remote Control Operation (Con't)

Unlocking the Doors


Press* the  button on the PowerCode remote control transmitter. The system will unlock the drivers doors (or all doors depending upon your installed options**) and flash the parking lights. If the  button is pressed a second time within 5 seconds, the system will unlock all doors and chirp the horn confirming that the system has unlocked the doors. Additionally, the PowerCode system turns on the interior dome light for one minute, or until the ignition key is turned on to provide an illuminated

Convenience and Safety Features

Activating Headlight control:



Headlight control is an optional feature of your PowerCode security system. To activate headlight control, press and hold*** the  button on your PowerCode remote control transmitter. The system will turn the headlights on for 20 seconds or until the  button is pressed again.

Remote Control Power Trunk/Hatch release:



Press and hold*** the  button on your PowerCode remote control transmitter. The system will activate the power trunk or hatch release (if equipped) and unlock the drivers door (or all doors depending upon installation options).

Note: Make sure to relock the doors if you will be leaving your vehicle unattended again after opening your trunk or rear hatch.

Remote Control Progressive Find function

The remote control vehicle find function can help locate your vehicle in a crowded parking lot. Pressing the  button on your PowerCode remote control transmitter will chirp the horn 5 times. Subsequent presses of the  button within 5 seconds of first press will activate the find function again - sounding the horn slightly louder on the second and third activations and then at a constant sound level (equal to the third activation).

Remote Control Panic Mode

The remote control panic function helps draw attention to your vehicle and yourself in a threatening situation. Press and hold*** the  button on your PowerCode remote control transmitter to activate the panic function. Pressing the  button on the PowerCode transmitter prior to the end of the 30 second cycle will end the panic mode.

* "Press" refers to pushing a transmitter button for approximately one second.

** See your dealer details on available installation features.

*** "Press and Hold" refers to pushing a transmitter button for more than one second.

Remote Control Operation (Con't)

Illuminated Entry and Exit





When the doors are unlocked using the PowerCode remote control, the vehicle's courtesy lights will turn on for 1 minute, or until the vehicle is started or the system is re-armed.

When the ignition is turned off, the vehicle courtesy lights will turn on for 1 minute, or until the system is armed.

Memory Seats:



If your vehicle is equipped with memory seats and/or functions, the memory functions will be activated when you unlock the doors using the PowerCode remote control transmitter in the same manner as with the factory equipped RKE keyfob.





Power Side Sliding Doors (Windstar only):

On Windstars equipped the Power Side Sliding doors, the driver side power sliding door is controlled by pressing the  and  buttons together on the PowerCode remote control transmitter. The passenger side power sliding door is controlled by pressing the  and  buttons on the PowerCode remote control transmitter.





Prior to activating the power sliding door with the PowerCode remote control, all doors must be unlocked. Pressing the two buttons together the first time will open the selected door. Then pressing the two buttons together again will close the selected door.

Power Rear Liftgate Operation (Expedition and Navigator only):





On Expeditions and Navigators equipped the Power Rear Liftgate option, the power liftgate is controlled by pressing the  and  buttons together on the PowerCode remote control transmitter.

Pressing the  and  buttons together the first time will open the power liftgate, then pressing the  and  buttons together time will close the power liftgate.

Express Window Down (LS only):

Press and holding the  and  buttons together will activate the Express Window Down function. Release the  and  buttons when window have gone down to desired point or hold both buttons until the windows are all the way down.




Power Tonneau Cover Operation (Blackwood only):

On Blackwood, the power tonneau cover is opened by press and holding the  and  buttons together on the PowerCode remote control transmitter. The power tonneau cover is closed by press and holding the  and  buttons together on the PowerCode remote control transmitter.

Using the Remote Control Start Function

Your Ford/Lincoln/Mercury vehicle may be equipped with a Securilock Anti-Theft system. If so, your PowerCode Remote Control Start system interfaces with the Securilock system, fully maintaining the level of security provided by the Securilock system. The PowerCode Securilock interface is sold separately.

Starting Your Vehicle:

The remote control start function is activated by pressing the  button followed by pressing the  button within 3 seconds on the PowerCode remote control transmitter. The system will check the vehicle to ensure that it is safe to start, and if all safety parameters are correct, the engine will start within 5 seconds (diesel engines vehicle take 30 seconds, to allow the glowplugs sufficient time in all conditions to heat up) Press and hold the  button again to turn off the vehicle.

Note: The factory RKE keyfob cannot be used to activate the remote start function.

If your vehicle stalls or does not start...

If the vehicle stalls or does not start, the system will pause 5 seconds, then try 3 more times to start the vehicle (a total of four attempts). The system pauses 5 seconds between each start attempt. If the vehicle does not start after the fourth attempt, the system will abort the start process.


Remote Start Safety Features:

For safety and security reasons, the system will shut down the engine during remote start operation if any of the following occur:

- The brake pedal is pressed before the vehicle ignition key is turned on
- The engine reaches 3 times its normal idle speed

As a safety precaution, the vehicle will shut off if left unattended for 10 minutes (runtime can optionally be set to 15 minutes if desired*).

Entering the Vehicle While it is Running via Remote Start:

1. Press  to unlock the door(s).
2. Enter the vehicle. Do not press the brake pedal.
3. Insert the key into the ignition and turn to the ON position.
4. Press the brake pedal. The remote starter disengages and the vehicle will operate normally.


Pre-Heating or Pre-Cooling the Interior of the Vehicle:

Before exiting the vehicle, set the temperature controls to the desired setting and operation. After the system starts the vehicle, the heater or air-conditioning will activate and heat or cool the interior to your setting.

* See your dealer for additional information regarding the programmable feature of your PowerCode system.

Using the Remote Control Start Function (Con't)



Turning on the Rear-Window Defroster (if connected):

While the vehicle is running via remote start, press  on the remote control. The system will flash the parking lights to confirm and activate the vehicle's rear defroster for 10 minutes, or for the remainder of your vehicle's preset runtime time limit.

Using the "Quick-stop" Feature:

If you want to make a short stop and leave your vehicle running (to keep the interior warm or cool, for instance), the quick stop feature allows you to do this while keeping your vehicle secure and your keys with you.



To engage quick stop:



1. Stop the vehicle and place the transmission in PARK.
2. With your foot off the brake pedal, press  on the remote control. The parking lights will turn on and the doors will unlock, indicating that the vehicle is now running via remote start.
3. Remove the keys from the ignition and exit the vehicle. Press  to arm the alarm system if desired.

Note: Do not leave children or animals unattended in the vehicle when using the quick stop feature.

Service/Valet Mode:

Service mode is used when servicing the vehicle to prevent the system from unexpectedly starting the engine while being serviced. While in service mode, the systems keyless entry functions will operate normally, but the remote start function is temporarily disabled.

To engage the service mode, turn the ignition key to the ON or RUN position and press the  and  buttons together on the PowerCode remote control transmitter. The system will begin flashing the dash mounted status indicator in a double-flash pattern indicating that the system is in Service mode.

To return the system to its normal operating mode, turn the ignition key to the ON or RUN position and press the  and  buttons on the PowerCode remote control transmitter again. The status indicator will shut off, indicating that the system is in now in its normal operating mode.

Important Note: When taking your vehicle in for service it recommended that you inform the service personnel that your vehicle is equipped with a remote control start system.

System Operation

Automatic starter interrupt:

Your PowerCode security system can be programmed to lockout the starter automatically. Your PowerCode security system is programmed from the factory for manual arming of the starter interrupt. If you would like to activate the automatic starter lockout feature, contact 1-800-FORD-KEY for instructions on activating this and/or your systems other programmable features.

When automatic starter interrupt is activated, one minute after the ignition key has been turned off the system will lock out the starter.

The Interior Status Indicator

The Status Indicator is a high-intensity red light mounted in a visible location on the vehicle instrument panel. This red light gives a visual indication of the system's state of operation. Note the chart below:

If the Status Indicator is...then the system
Off	Starter interrupt is off
Flashing Slowly (once every 4 second)	Starter interrupt is armed
Double Flash (2 flashes, off, 2 flashes)	is in Valet/Service mode

Emergency Starter Interrupt Disarm Procedure

If your remote control transmitter is lost or fails to function, use this procedure to start your vehicle.

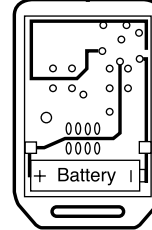
1. Use the keys to enter the vehicle.
2. Insert the key into the ignition and turn to the ON position.
3. Locate and press the programming/override button mounted under the instrument panel.

Note (LS only): Unlocking the drivers door with the door key will disarm your PowerCode systems starter interrupt feature.

System Maintenance

Changing the Remote Control Battery:

The 12-volt alkaline battery supplied in your remote control should last approximately one year, depending on usage. When the battery begins to weaken, you will notice a decrease in range, or the distance from your vehicle that your remote transmitter will operate. Follow the instructions below to change the remote transmitter battery.




1. Insert the edge of a coin into the slot at the top of the remote control. Twist the coin to pry the remote control halves apart.
2. Remove the old battery and replace with a new one. Be sure to observe the (+) and (-) signs in the battery compartment.
3. Carefully snap the case halves back together, then test the remote control.

It is not necessary to re-program the remote control after changing the battery.

Adding Remote Controls to Your System:

The system has the ability to operate from up to eight (8) remote controls. Follow these instructions to add a remote control to your system.

1. Open the driver's door.
2. Turn vehicle ignition on.
3. Press and hold programming/override button under the instrument panel.
After 15 seconds, the horn will chirp three (3) times. This indicates that the unit has entered the remote control programming mode.
4. Release the programming/override button.
5. Press the  button on the remote control to be programmed.
The horn will sound once, indicating that the system has "learned" that remote control.
6. Repeat step 5 for any additional remote controls.
7. Turn the vehicle ignition off to exit the programming mode. Test all remote controls to ensure that they work properly.

Deleting Lost or Stolen Remote Control Transmitters from Your System:

Lost or stolen PowerCode remote control transmitters can be deleted two ways:

- 1) Reprogramming all eight transmitter code locations in memory;
- 2) If your vehicle is equipped with factory installed RKE, Pressing the vehicle's door mounted "unlock" switch while the PowerCode system is in transmitter learn mode, erases all learned transmitters. After erasing transmitters, all active transmitters will have to be re-programmed to the PowerCode system (refer to the instructions above).

Your Systems Programmable Operating Characteristics:

Your PowerCode system has several programmable settings such as Ignition triggered door lock, Ignition triggered door unlock and automatic arming features which can be changed to tailor your systems operation to your own personal desires and/or requirements. If you are interested in changing any of these settings, call 1-800-FORD-KEY for information regarding the different programmable features and the steps to change the settings.

FORD VEHICLE SECURITY/KEYLESS ENTRY SYSTEMS LIMITED LIFETIME WARRANTY

BASIC COVERAGE

Ford Motor company will repair or replace any properly installed Ford Vehicle Security/Keyless Entry System found defective in factory-supplied material or workmanship during the warranty period, as well as any component damage by the defective accessory. The accessory will be warranted for whichever provides the greater benefit:

- ▣ 12 months or 12,000 miles from your system purchase date/mileage (whichever occurs first)
- ▣ the remainder of your new vehicle limited warranty

This means that Ford Vehicle Security/Keyless Entry Systems purchased along with your new vehicle are covered for up to the length of the Ford or Lincoln Mercury new vehicle limited warranty.

LIFETIME COVERAGE

A limited lifetime parts warranty (labor not included) covers any parts of the Passive/Manual Ford Vehicle Security/Keyless Entry System that are found to be defective in factory material or workmanship. They will be repaired or replaced without charge for the parts as long as the original Ford or Lincoln-Mercury vehicle retail purchaser owns the vehicle in which the system was originally installed.

CUSTOMER REQUIREMENTS

To receive warranty service, Purchaser must fulfill the following requirements:

- 1) Return the vehicle to the original selling dealer's place of business during regular business hours for warranty service.
- 2) Present the Dealer with the Purchaser's copy of the original invoice showing date of purchase and installation if applicable. If the Purchaser is traveling or has moved to a different location, any authorized Ford Motor Company dealer will fulfill this warranty.

EXCLUSIONS

THIS WARRANTY DOES NOT COVER PARTS THAT ARE DAMAGED BY MISUSE, NEGLIGENCE, ALTERATION, ABUSE, ACCIDENT, FIRE, FLOOD, LIGHTNING, IT DOES NOT COVER PARTS THAT HAVE BEEN IMPROPERLY SERVICED OR USED IN APPLICATIONS FOR WHICH THEY WERE NOT DESIGNED OR APPROVED BY FORD MOTOR COMPANY; IT DOES NOT COVER FAILURES CAUSED BY NON-FORD PARTS.

This warranty gives you specific legal rights and you may also have other rights that may vary from state to state. Ford Motor Company does not authorize any person to create for it any other obligation or liability in connection with the Ford Vehicle Security/Keyless Entry Systems. TO THE EXTENT ALLOWED BY LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. NEITHER FORD MOTOR COMPANY NOR THE SELLING DEALER SHALL BE RESPONSIBLE FOR LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages so the above limitation may not apply to you.

Vehicle Serial Number _____

Owner Name _____

Street Address _____

City _____ State _____

Country _____ Zip Code _____

Year _____ Make _____ Model _____

Mileage at Installation _____

Ford Security System Purchased _____