CLIFFORD

World-Class Auto Security™

Smart Remote Starter III

Owner's Manual

WARNING

The Smart Remote Starter III system is designed to be used ONLY on a fuel-injected, gasoline or diesel powered vehicle with an automatic transmission. Installing a Smart Remote Starter III on a vehicle that has a manual transmission poses an EXTREME SAFETY RISK! Never install a Clifford remote engine starting product on a manual transmission vehicle.

Always exercise good judgment and common sense when using the remote starter:

• NEVER remotely start the vehicle in an enclosed area without sufficient ventilation.

• NEVER allow children access to the remote controls.

• NEVER engage the ShortStop nor one or both AutoStart features if the vehicle is in an enclosed area without adequate ventilation.

• NEVER remotely start or use the ShortStop feature with a person or pet in the car (exhaust fumes may leak into the passenger compartment).

• In case of transmission slippage, NEVER remotely start the engine if you or someone else is directly behind or in front of the vehicle.

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Standard Features of the Smart Remote Starter III

☑ *A Pair of 4-Button/12-Channel Remote Controls*— You will never again fumble with your car keys in the dark or bad weather. The remote controls give you fingertip command of all these exciting convenience features from a typical range of 300 feet:

- *Remotely start or shut down your car's engine and all preset accessories (heater, air conditioner, etc.)*
- *Remotely lock and unlock your vehicle's power door locks. For your convenience and security, when you remotely unlock the doors, your vehicle's interior courtesy light(s) will turn on and stay on for 30 seconds or until you drive.*
- *Remotely activate the headlights for any duration of your choice between one second and two minutes to light your way to and from your vehicle.*
- *Remotely activate an optional trunk release.*
- *If your vehicle has a factory-installed theft deterrent device, your Smart Remote Starter III can be set to transform it into a completely remote controlled vehicle security system.*

☑ *Automatic Safety Checks* — Your Smart Remote Starter III automatically ensures that all of the following safety conditions are met or the vehicle will not be remotely started:

- *Transmission must be in park*
- *Engine and ignition must be off*
- *Engine must not be overheated*
- *Hood must be closed*

☑ *Anti-Theft Measures* — Your car may be driven only after your ignition key is turned to the "ON" position. If anyone other than you tries to drive the vehicle while the engine is running, the system immediately shuts down the engine if:

- *The transmission is moved out of the park position*
- *The brake pedal is pressed*
- *Engine rpm exceeds a certain threshold*
- *The hood is opened*

☑ *Visual Acknowledgment* — Your car's parking lights will blink twice to acknowledge initiation of the engine start-up process and then remain on for continuing visual confirmation for as long as the engine idles under the control of your Smart Remote Starter III.

Standard Features of the Smart Remote Starter III (cont.)

☑ *Cold Weather Cranking* — Automatically cranks the engine for up to 10 seconds or until it starts, whichever occurs first. If the engine does not start, or starts and then stalls, your Smart Remote Starter III will automatically try to restart the engine up to two additional times.

☑ *AutoShutDown™*— The Smart Remote Starter III automatically shuts down the engine after 30 minutes if the vehicle is left unattended.

☑ *StarterGuard™*— Prevents grinding of the starter if you inadvertently turn the ignition switch to the starter position while the engine is running under the control of your Smart Remote Starter III.

☑ *Remote Door Locking/Unlocking*— A press of a button on the Smart Remote Starter III remote control from up to 300 feet away will lock all the vehicle doors. Remote door locking is visually confirmed by two flashes of the parking lights. Press again and the doors will unlock, which is confirmed with a single parking light flash.

☑ *AutoLock and AutoUnLock*— For your safety when you begin driving, all the doors automatically lock. Conversely, the doors automatically unlock when you park and turn off the ignition. If you prefer, you may turn off one or both of these features via program mode.

☑ *ShortStop Mode* — Now you don't need to shut off the engine when leaving your car parked for a few moments (such as when stopping at a convenience store or making a delivery). Just press button 2 while the engine is still running and you can remove the keys, exit, and remotely lock the doors without shutting down the engine.

☑ *AutoStart™ Battery Mode* — Never again will you return to a dead car battery. Whenever you wish, just a press of a button on your remote control sets the system to continually monitor the vehicle battery while you are away. If the battery's voltage drops below a preset level, the system will automatically start the engine and recharge the battery (to conserve battery power, the Smart Remote Starter III will not activate the parking lights or any preset accessories in this mode). Likewise, the system automatically shuts down the engine once the battery is properly charged or after 30 minutes, whichever occurs first. If needed, the process will repeat every eight hours until the battery is properly charged. AutoStart is automatically canceled as soon as you drive your car.

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Standard Features of the Smart Remote Starter III *(cont.)*

☑ *AutoStart Temperature Mode* — You will never return to your car to find a busted radiator or frozen oil in the crankcase. If you wish, you may set your Smart Remote Starter III to AutoStart the engine if the engine temperature drops below 15°F (–9°C). If you want to avoid any unwelcome surprise caused by cold weather, you can set AutoStart to monitor both the engine temperature and the voltage level just by pressing a button on your remote control.

☑ *Fault-Proof Starter Interrupt* — When you remotely lock the doors, the Smart Remote Starter III engages its starter interrupt circuit that prevents a thief from starting the engine.

☑ *AutoActivation* — Your Smart Remote Starter III is so smart, it will, if you wish, automatically ("passively") engage the starter interrupt and even lock the doors if you forget to lock them with the remote control.

☑ *Smart Remote Trunk Release Capability* — It's the perfect feature when carrying an armload of groceries. To ensure against accidental activation, the trunk will remotely open only if the doors are unlocked and the vehicle is not being driven (may require optional parts).

☑ *Remote Controlled Headlight Activation Capability* — To light your way to and from the vehicle, one press of a button on your Smart Remote Starter III remote control will turn on your vehicle's headlights for any duration of your choice between one second and two minutes (requires an optional relay).

☑ *Remote Control Code Learning* — With just a few flicks of a switch any time or place, you may add up to four off-the-shelf Clifford remote controls to the system. Just as easily, the code of a lost or stolen remote control can be deleted so that the missing remote can never be used to control your system.

☑ *UltraSecure Coded Program Mode* — Assures that no unauthorized person can secretly add their own remote control, since the system's programming mode can be accessed only after you enter a personal code that you select.

☑ *Interfaces with Factory Theft Deterrent Devices* — If your vehicle has a factory-installed theft deterrent device, the Smart Remote Starter III can make it a full-fledged remote controlled car alarm.

☑ *Automatic Transmission Required* — The Smart Remote Starter III is intended exclusively for vehicles with an automatic transmission.

Remote Starting DOs and DON'Ts

DOs

- Park in an open, well-ventilated area.

- Always engage the parking brake.

- Make sure you put the transmission in PARK *before* shutting down the engine.

- Set the air conditioner, heater, defroster and other accessories to the desired levels.

- Turn on your vehicle's "recirculate" feature to warm/cool the interior more efficiently.

- Before engaging one or both AutoStart features, make sure the gas tank is full.
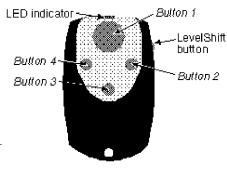
DON'Ts
*You must always exercise good judgment
and common sense when using the remote starter:*

- NEVER remotely start the vehicle in an enclosed area without sufficient ventilation.

- NEVER allow children access to the remote controls.

- NEVER engage the ShortStop nor one or both AutoStart features if the vehicle is in an enclosed area without adequate ventilation.

- NEVER remotely start or use the ShortStop feature with a person or pet in the car (exhaust fumes may leak into the passenger compartment).

- In case of transmission slippage, NEVER remotely start the engine if you or someone else is directly behind or in front of the vehicle.

Your 4-button/12-channel remote controls

The 4-button/12-channel remote controls are ultra-sophisticated miniature radio transmitters powered by a tiny 12-volt battery. Range is up to 300 feet. A weak remote control battery will reduce range, as will electrical and radio interference. You will use your remote control to remotely start the engine, lock and unlock the doors, activate AutoStart features, and command options such as a remote trunk release, headlight activation, power window/sunroof closure and/or electric garage door interface.

How to use your keychain remote control

Your remote control can individually command up to 12 different system functions and options. It's like having a TV with 12 channels. You change channels (functions) with your keychain remote control. But instead of putting 12 buttons on the remote control, we made it easy: First, the button you use the most — button 1 to lock and unlock the doors — is larger than the others. Buttons 2, 3 and 4 are the smaller buttons to the right, below and left of button 1. The *LevelShift* button on the side of the remote control allows you to select channels 5–12:

> *To transmit either channel 1, 2, 3 or 4:* Just press either button 1, 2, 3 or 4. For instance, to transmit channel 3, press button 3. While you transmit, the remote control's LED indicator will blink once every second: this indicates **level 1.**

> *To transmit either channel 5, 6, 7 or 8:* Press the LevelShift button once. This shifts buttons 1–4 to level 2 (channels 5–8). Then press the desired button *within the next 7 seconds*. For instance, to transmit channel 5, press the LevelShift button once, then press button 1. While you transmit, you'll notice that the LED indicator blinks twice, pauses, blinks twice, etc.: this indicates **level 2.**

> *To transmit channel 9, 10, 11 or 12:* Press LevelShift twice. This shifts buttons 1–4 to level 3 (channels 9–12). Then press the corresponding button within the next 7 seconds. For instance, to transmit channel 10, press the LevelShift button twice, then press button 2. While you transmit, you'll notice that the LED blinks three times, pauses, blinks three times, etc.: this indicates **level 3.**

NOTE: One second after you stop transmitting level 2 or level 3 (channels 5–12), the remote control automatically returns to level 1 (channels 1–4). Channels 5–12 can be used to activate your garage door opener(s) via the optional Clifford garage door interface and/or Clifford system(s) on your other car(s).

How to remotely lock/unlock the doors

To lock all the vehicle doors, press button 1 once. All the following will occur:

- *The doors will **lock.***
- *As confirmation from a distance, you will see **two flashes** of the vehicle's parking lights.*
- *The LED on the system's PlainView switch will flash repeatedly.*

To unlock the doors, press button 1 again:

- *The doors will **unlock.***
- *You will see **one flash** of the vehicle's parking lights.*
- *The PlainView switch LED will turn off.*
- *The interior courtesy light(s) will turn on an stay on for 30 seconds or until you turn on the ignition and press the brake, whichever occurs first.*

How to remotely start/shutdown the engine

WARNING: Always exercise caution and common sense when using the Smart Remote Starter III. Never remotely start the engine or engage one or both AutoStart features when the vehicle is parked in an enclosed area without adequate ventilation.

WARNING: Never allow children to play with the remote control.

Whenever you remotely start the engine, the Smart Remote Starter III rapidly makes a series of safety checks before attempting to crank the starter motor. It will:

- *Verify that the engine or ignition switch is not already on.*
- *Verify that the transmission is in the PARK position.*
- *Verify that the engine is not overheated.*
- *Verify that no one is in the vehicle pressing the brake pedal.*
- *Verify that the hood is closed.*

To remotely start the engine, press button 2. All of the following will occur:

- *You will see **two flashes** of the vehicle's parking lights to confirm that the startup process has been initiated. (NOTE: Four flashes indicate a fault condition, e.g., the hood is open).*
- *The engine and all preset accessories (air conditioner, heater, defroster, etc.) will start and run.*
- *While the engine idles, the parking lights will be illuminated for on-going visual confirmation.*

When the engine is running under the control of your Smart Remote Starter III, you may, if you wish, shut down the engine by again pressing button 2.

Diesel compatibility

If your vehicle has a diesel engine, your Smart Remote Starter III will activate the engine's glowplugs for 20 seconds before actually starting the engine.

To drive the vehicle

1. Unlock the doors by pressing button 1 on the remote control. The parking lights will blink once and the interior lights will turn on.
2. Enter the vehicle and close the door, but do not press the brake pedal nor move the transmission out of park.
3. Insert your key and turn the ignition switch to its "ON" position (don't worry if you turn the switch all the way to the "START" position; the system's StarterGuard feature will prevent you from accidentally grinding the starter motor while the engine is running under the Smart Remote Starter III's control).
4. Press the brake pedal. The interior lights will turn off. The system is now disengaged and your vehicle will operate as usual.

> *NOTE: As an anti-theft measure, if someone presses the brake pedal or moves the transmission out of park <u>before</u> turning the ignition switch to the "ON" position, the Smart Remote Starter III will immediately shut down the engine.*

ShortStop

This is a great feature when you need to make a stop at a convenience store or to make a quick delivery. Rather than shutting down the engine and then restarting it a few moments later, the ShortStop feature allows you to remove your car keys from the ignition switch *without* shutting down the engine. You may then exit and remotely lock the doors while the engine continues to idle. To use the ShortStop feature, simply perform the following steps:

1. Park the vehicle being sure to place the transmission in its park position and set the hand brake.
2. Make sure you are not touching the brake pedal, then press button 2 on the remote control.
3. You may now turn the ignition off and remove your keys without shutting down the engine.
4. Exit the vehicle and lock the doors with button 1 on the remote control. The engine will continue to idle under the control of your Smart Remote Starter III for up to 30 minutes.
5. When you have completed your errand, just use the normal procedure noted in the *To drive the vehicle* section on page 8.

Interfacing with factory theft deterrent devices

If your vehicle has a factory-installed theft deterrent device, the Smart Remote Starter III can make it a full-fledged remote controlled car alarm, arming the device every time you remotely lock the doors and disarming every time you remotely unlock. Ask your system installer for details.

AutoLock and AutoUnLock (user-selectable)

For your safety and that of your passengers, the doors automatically lock when you begin driving at about 15-20mph, and automatically unlock when you turn the ignition off. To suit your preferences, you may turn off *either or both* the AutoLock and/or AutoUnLock features. There are four possibilities: AutoLock **"on"** while AutoUnLock is **"off,"** or vice-versa. The other two combinations are both AutoLock and AutoUnLock **"on"** or both **"off."** As set from the factory, both features are on. To change the status of one or both features, see the *User-selectable features* section on page 13.

Fault-proof starter Interrupt

When you remotely lock the doors, your Smart Remote Starter III engages its starter interrupt circuit that prevents a thief from cranking the engine's starter even if he has a duplicate of your car key. Whenever you see the LED flashing on the system's PlainView switch, the starter interrupt is engaged and protecting your vehicle.

AutoActivation of the starter interrupt (user-selectable)

Smart Remote Starter III will protect your vehicle even if you forget to remotely lock the doors (and thus activate the starter interrupt). Thirty seconds after you park your car, exit and shut all the doors, the Smart Remote Starter III will automatically (*"passively"*) activate the starter interrupt (if a door is re-opened during the 30-second countdown, the countdown will resume from the start once all doors are closed). To provide visual confirmation, the system will flash the dashboard LED twice 5 seconds after you close the doors to signal the start of the 30-second countdown. To clear the starter interrupt, just press button 1 on your remote control. If you prefer, you may turn off the starter interrupt autoactivation feature (see *User-selectable features* on page 13). Also see the *UltraSecure coded valet mode* section on page 10 for information on temporarily overriding autoactivation.

AutoActivation of the door locks (user-selectable)

If you wish, you may set the system to automatically lock the doors every time it AutoActivates the starter interrupt. To ensure that you can't accidentally lock your key and remote inside the vehicle, this feature is factory set off. To enable this feature, see the *User-selectable features* section on page 13.

UltraSecure™ coded valet mode

Your secret valet code

In seconds, thieves can disable all non-Clifford starter interrupt systems and alarms by hotwiring the ignition and flicking an easy to find *"hidden"* valet switch. Your Smart Remote Starter III has safeguards that absolutely ensure that a thief cannot enable the valet mode as a way of "turning off" your system's starter interrupt. How? To enable valet mode, the driver must first enter a secret valet code on the PlainView switch. Your code will be a 1-to-3-digit number of your choosing. Each digit can be any number from 1 to 9, (i.e. the code can be any number between 1 and 999, except those that contain a zero). Whenever the system is put in valet mode, it overrides autoactivation of the starter interrupt (see page 9). At various times, you will need to enable valet mode, such as when having your car serviced, washed or parked by a valet.

> *NOTE: If you temporarily lose the use of your remote controls, you can override the system's starter interrupt by enabling valet mode.*

> ### *Your factory-set valet code is the single digit "2."*

Definitions

Digit: A digit is defined as any number from 1 to 9, inclusive.

Valet code: A valet code may be 1 to 3 digits:
  A one-digit code=X=any number between 1-9
  A two-digit code=XY=any number between 11-99 (excluding those with zeros)
  A three-digit code=XYZ=any number between 111-999 (excluding those with zeros)

> *Remember, no code can have a zero.*

PlainView switch: A rocker switch mounted on the dashboard or console. The switch has three positions: *1.) Latched 2.) Center 3.) Spring-loaded momentary.* When you press the latched side, the switch remains in its pressed position. When you press the momentary side, the switch bounces back to the center position.

Entering a digit: To enter a digit, you tap (press and release) on the momentary side of the PlainView switch the number of times corresponding to the numeral of the digit to be entered, followed by pressing to the latched side, then returning the switch to its center position.

Entering a code: If your code has only one digit, enter the code as described in *"Entering a digit."* If your code has more than one digit, just repeat the above for each digit of your code.

To enable valet mode

1. Turn the ignition switch to its "ON" position or start the engine.
2. Enter your secret valet code on the PlainView switch, then return the switch to its center position.
3. You now have 5 seconds to press the latched position to enter valet mode. The LED on the PlainView switch will glow continually for on-going visual confirmation of valet mode.

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To exit valet mode

1. Turn the ignition switch to its "ON" position or start the engine.
2. Flick the switch back to its center position. The LED on the switch will turn off to confirm that the system is now in its normal operating mode.

Setting your own secret valet code

Since all Clifford systems have the same factory-set code, it is highly advisable that you set your own valet code. You may choose any 1-, 2-, or 3-digit code that does not have any zeros. You may also change your valet code whenever you want. Simply write down the 1-to-3 digit code you wish to use (remember, no zeros in the code), then refer to the *User-selectable features* section on page 13.

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Example

Let's say you want to set your valet code to 31. To do so, you would do the following:

1. From the table of *User-selectable features* on page 13, you would note that the "set new valet code" feature number 11.
2. Enter program mode by turning on the ignition, then enter your current valet code (if still the factory default, this would be momentary, momentary, latched).
3. Select feature number 11 by tapping the momentary side of the switch 11 times. To help you count, the switch's LED will, after the first 3 taps, blink once each time you tap the momentary side. Therefore, you'll see a total of 8 blinks for feature 11.
4. Immediately flip the switch to the latched position.
5. Enter you new code. To enter 31 as your new code, you would press the switch in this manner: momentary, momentary, momentary, latched, momentary, latched, center.
6. Wait 3 seconds until you see two LED blinks, indicating the new code has been accepted.
7. Turn off the ignition to exit program mode.
8. **VERY IMPORTANT: You must immediately test your new secret valet code:** Turn on the ignition, enter your new code, then flip the switch to its latched position. The LED on the switch will illuminate. If it does not, the new code you programmed and the one you just entered do not match. ***In such a case, the system will revert to the previous code.***

The AutoStart features

Your Smart Remote Starter III has two AutoStart features:

AutoStart Battery Mode: This is an especially valuable feature when you need to leave your vehicle parked for an extended period of time. If engaged, the system will automatically monitor the voltage level of the vehicle battery while you are away. If the voltage drops below a preset level, the system will automatically start the engine and recharge the battery (to conserve battery power, the Smart Remote Starter III will not activate the parking lights nor any preset accessories in this mode). Likewise, the system automatically shuts down the engine once the battery is properly charged or after 30 minutes, whichever occurs first. If needed, the process will repeat every eight hours until the battery is properly charged. AutoStart Battery Mode is automatically canceled as soon as you drive your car.

AutoStart Temperature Mode: Whenever you wish, you may set your Smart Remote Starter III to AutoStart the vehicle if the engine temperature drops below 15°F (-9°C). The system will idle the engine for 30 minutes or until you enter and drive, whichever occurs first. AutoStart Temperature Mode is automatically canceled as soon as you drive your car.

You can activate either of the AutoStart features via the programming procedure (see the *User-selectable features* section on page 13). Or, for even greater ease, just press remote control button 4 to remotely activate *both* AutoStart features (two flashes of the parking lights will confirm remote activation of the AutoStart features).

Optional remote headlight activation and/or remote trunk release

Button 3 on your remote control can command two different options: one while the system's starter interrupt is engaged and another while it is disengaged.

If you have the optional remote **headlight activation** feature installed, a single press of button 3 while the system's starter interrupt is engaged (i.e., the **LED is flashing**) will activate the system's built-in timer to illuminate the headlights for any duration of your choice between 1 second and two minutes. To change the headlight duration, see *User-selectable features* on page 13.

If you have the optional remote **trunk release** feature, a press of button 3 while the system's starter interrupt is disengaged (**LED is off**) will pop the trunk. For safety and security reasons, the button 3 will *not* pop the trunk if the engine is running to ensure against accidental activation while driving.

Optional remote controlled window/sunroof closure

On certain vehicles, including several models of BMW, Mercedes Benz, Volkswagen and Jaguar, the Smart Remote Starter III can be wired to automatically close all the power windows/sunroof every time you remotely lock the doors. If you have this feature, do not change the user-selectable headlight duration. Doing so may cause damage to your vehicle's window/sunroof motors.

User-selectable features

Your Smart Remote Starter III system comes from the factory with all of its features
pre-programmed as noted in the following table. No programming is required, but if you
wish to change any of the settings, just use the procedure below. To restore the feature to
its factory setting, just repeat the procedure:

1. Select the feature you wish from the table. Note the number of momentary taps.
2. Turn your vehicle's ignition switch to its "ON" position.
3. Enter your valet code as noted on page 10-11, then immediately tap and release
   the momentary side of the switch the number of times corresponding to the
   feature you wish to change. Beginning with the 4th tap, the LED will blink each
   time you tap thereafter to help you count (e.g., 5 blinks for feature 8; 9 blinks for
   feature 12, etc.).
   a. If noted, perform the "Secondary action."
   b. If noted, wait for the "Completion confirmation."
4. Turn the ignition off. Repeat steps 1-4 for any other feature you wish to program.

Feature	Factory setting	# of taps	Secondary action	Completion confirmation	Result
Battery Mode AutoStart	OFF	4	—	2 flashes=ON	Change from OFF to ON
Temperature Mode AutoStart	OFF	5	—	2 flashes=ON	Change from OFF to ON
AutoUnLock	ON	6	—	1 flash=OFF 2 flashes=ON	Change from OFF to ON or vice-versa
AutoLock	ON	7	—	1 flash=OFF 2 flashes=ON	Change from OFF to ON or vice-versa
AutoActivation of starter interrupt	ON	8	—	1 flash=OFF 2 flashes=ON	Change from OFF to ON or vice-versa
AutoActivation of door locks	OFF	9	—	1 flash=OFF 2 flashes=ON	Change from OFF to ON or vice-versa
Feature 10 requires installer programming. Do not change the status of feature 10.					
Set new valet code	2	11	See *Setting your own secret valet code* on page 11.		
Add a new remote control	—	12	Press button 1 on the new remote control	2 flashes	New remote control has been added
Features 13-14 require installer programming. Do not change the status of feature 13 or 14.					
Set headlight duration ✶	30 sec.	15	After 15th tap, start counting. Turn ignition off after desired duration	—	New headlight duration has been set

> ✶ **WARNING:** *DO NOT change the headlight duration if the system automatically
> closes the power windows every time you remotely lock the doors. Doing so may
> damage your vehicle's window/sunroof motors.*

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Adding new remote controls

For other drivers in your family, or if you wish to control Clifford systems on your other cars with the same remote control, you can buy additional remote controls from any Clifford Dealer (or call our Customer Service Department at 800-824-3208) and program them into the system yourself. Each Smart Remote Starter III will respond to as many as four 12-channel remote controls. To add a new remote control to the system, use the procedure noted in the *User-selectable features* section on page 13.

How to erase the codes of lost or stolen remote controls

If one of your remote controls is ever lost or stolen, you can erase its digital codes from the system memory to make sure that the missing remote control can never be used to control your system. To do so, simply program each remaining and/or replacement remote control as noted in the *Adding new remote controls* section above for a total of four times (e.g., if you have just one remote, program it four times; for two remotes, program each twice; for three remotes, program one twice).

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World-Class Auto Security™

Smart Remote Starter III is covered by one or more of the following Clifford Electronics patents: 4,158,874; 4,233,642; 4,327,444; 4,383,242; 4,430,685; 4,845,464; 4,887,064; 4,890,108; 4,922,224; 4,997,053; 5,081,667; 5,146,215; 5,157,375; 5,467,070; 5,650,744 and other patents pending.