

# CLIFFORD

*World-Class Auto Security™*

AvantGuard  
***II***

*Owner's Manual*



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## ***EXTREMELY IMPORTANT NOTICE***

If the AvantGuard II's control unit is removed from the vehicle for any reason, the supplied RED jumper wire **MUST BE CONNECTED** to pins #8 and #11 of the PIGTAIL connector.

### ***WARNING***

1. The AvantGuard II is designed to be used only on a gasoline-powered, fuel-injected vehicle with automatic transmission. If attempts are made to install the remote starter on a vehicle with a manual transmission, the artificial intelligence of the system will detect this and will render the system inoperative. The control unit will not respond to attempts at reactivation and will have to be returned to Clifford Electronics. There is a charge of \$50 for this service.
2. If the vehicle is to be serviced, remove the 5-amp fuse from its holder connected to the positive (+) terminal of the vehicle battery (leave the 30-amp fuse in place). When servicing is complete, **TURN THE IGNITION KEY ON**, then firmly reinsert the 5-amp fuse.

*Always exercise caution and common sense when using the remote starter:*

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

*NEVER allow children access to the remote control.*

***NOTE: You must shift the transmission into DRIVE for at least 3 seconds if the ignition has been turned on and off more than 10 consecutive times and/or the engine has been remotely started more than 10 consecutive times. Failure to do so will render the system inoperative.***

**C**ongratulations on your purchase of the Clifford AvantGuard II, the world's most advanced vehicle security and remote engine starter system. The AvantGuard II masterfully combines the state-of-the-art in vehicle security with amazingly innovative remote engine starting features to achieve the pinnacle in driver convenience, comfort and safety. Yet despite the expansive wealth of stunning features, you will find the AvantGuard II to be wonderfully user-friendly. Customizing the AvantGuard II to meet your exact needs is as easy as a few flicks of a switch, but even that simple effort is not required. The system comes from Clifford Electronics completely preset and preprogrammed, so commanding it is no more difficult than pressing a button on the Premier™ remote control.

### ***How to Operate the Premier™ 4x8 Remote Control***

The Premier 4-button/8-channel, 4-billion code remote control provides incredibly high digital code security to give you the ultimate in protection against professional thieves using digital code scanners. Even a thief equipped with the most sophisticated scanning device would need more than **19 years** to decipher your system's security code.

What's more, the remote control's four buttons and eight different channels enables you to remotely command any aspect of the AvantGuard II and its optional accessories. It is also capable of controlling AvantGuard II, IntelliGuard Series and Clifford Nova, Delta IV and Ace II systems and accessories on other vehicles you own — up to a total of eight with just one remote control.

With the remote control microswitch in the **up** position, buttons I-IV transmit **channels 1-4**; in the **down** position, the same buttons transmit **channels 5-8**.

The remote control has a typical range of 300 feet. Certain factors—such as terrain, physical obstructions, weather conditions or a weak remote control battery—may effect the range. Button I (channel 1) will arm/disarm and simultaneously lock/unlock the car doors for you and your passengers. If you press button I (channel 1) for 3 seconds, it will sound the siren and flash the parking and interior lights (see *How to Panic the System*, page 4). Button II (channel 2) will start or shut down the engine and all preset accessories. Optionally, channels 3-8 can individually command SmartWindows II, a remote trunk release, electric garage doors and/or Clifford systems on your other vehicles. Ask your Authorized Clifford Dealer about these options.

### ***How to Disarm the System with the Remote Control***

With the remote control microswitch in the **up** position, button I (channel 1) will always arm or disarm the system:

1. Press remote control button I/channel 1.
2. Simultaneously, several actions will take place to confirm remote disarming:
  - *The siren will **chirp once**, providing audible confirmation from a distance. (If you prefer, you can turn off the chirp acknowledgements (see page 7 for details).*
  - *The parking lights will **flash once**, providing visual confirmation from a distance.*
  - *The car doors will automatically unlock for you and your passengers.*
  - *For your safety and convenience, the interior courtesy light will turn on if the engine is off, allowing you, at night, to check inside the car before entering.*
  - *The MultiColor LED inside the car will turn off. (The LED will begins flashing green when the interior light turns off, indicating you have 30 seconds to enter the vehicle or it will automatically re-arm; see Smart AutoArming on page 6.)*
3. Release button I as soon as you observe any of the above actions.
4. Enter the vehicle. For your convenience, the interior light will remain on until you start the engine, or for 30 seconds, whichever occurs first.

### **How to Arm the System with the Remote Control**

1. Press remote control button I/channel 1.
2. Simultaneously, several actions will take place to confirm remote disarming:
  - The siren will **chirp twice** providing audible confirmation from a distance. (If you prefer, you can turn off the chirp acknowledgements (see page 7 for details).
  - The parking lights will **flash twice**, providing visual confirmation from a distance.
  - The car doors will automatically lock.
  - The windows/sunroof will close automatically if your vehicle is equipped with the optional SmartWindows II accessory.
  - The Multicolor LED inside the car will begin flashing red.
3. Release button I as soon as you observe any of the above actions.

### **How to Panic the System**

As an added safety measure, AvantGuard II is designed to respond if you ever face harassment and are within transmittal range of the vehicle. Simply press button I continuously for 3 seconds. The siren will sound, the parking lights will flash and the interior dome light will flash, calling attention from passersby.

### **How to Remotely Control Accessories and/or Other Clifford Systems**

To activate accessories such as SmartWindows II, a remote trunk release, one or more Garage Door Programmable Receiver(s) and/or your other vehicle(s) equipped with AvantGuard II, IntelliGuard or Clifford Nova, Delta IV or Ace II system(s), simply press the assigned button.

For example, with the requisite optional accessories, your Premier 4x8 remote control can separately and independently command all of the following functions:

*With the remote control microswitch in the **up** position:*

- Button I (channel 1) will arm, disarm and panic your security system.
- Button II (channel 2) will remotely start or shut down the engine.
- Button III (channel 3) will remotely pop the trunk.
- Button IV (channel 4) will remotely roll-down or vent the power windows.

*With the remote control microswitch in the **down** position:*

- Button I (channel 5) will activate your electric garage door.
- Button II (channel 6) will arm, disarm and panic an AvantGuard II (or other Clifford vehicle security system) on your second car.
- Button III (channel 7) will remotely start or shut down the engine on your second car.
- Button IV (channel 8) will remotely pop the trunk on your second car.

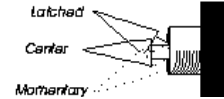
You may reassign the buttons/channels any time you wish (see page 15 for details).

## Valet Mode

Whenever your vehicle is to be serviced, washed or valet parked, you must use the valet mode to disarm the system and override its Smart AutoArming feature.

### How to Enable Valet Mode

1. Insert your key and turn the **ignition** to the “ON” position.
2. Flip the valet/program switch to its **latched** (non-momentary) position.
3. The LED will light in red and remain on, confirming the system is in valet mode.
4. You may now turn the ignition off and remove your key.



**NOTE:** If you temporarily lose the use of your remote control, you can disarm the system by enabling valet mode.

### How to Exit Valet Mode

1. Insert your key and turn the **ignition** to the “ON” position.
2. Flip the valet/program switch to its **center** position.
3. The LED will turn off, confirming the system is in normal operating mode.

**NOTE:** In valet mode, the remote control will still lock/unlock the doors, start the engine and command options (e.g., remote trunk release, etc.).

## AutoLock™ and AutoUnlock™

For your safety, the system automatically locks your car doors 5 seconds after you shift the transmission into Drive. Conversely, the doors automatically unlock after you turn the ignition off. If you prefer, you may turn this feature off (see page 14).

## What to Do If You Inadvertently Cause the Alarm to Sound

If you unintentionally alarm the system, simply press button I (channel 1) on your remote control or enable the valet mode.

## FACT™—False Alarm Control and Test

With the unique FACT feature, you'll never experience repeated false alarms. If your siren goes off, *do not* remotely disarm the system; allow it to run for the full siren duration (30 seconds or whatever duration you programmed). The system automatically checks for *another* activated trigger before sounding the siren a second time. If the siren sounds again, **you will know for sure** that someone is tampering with your vehicle.

## Smart AntiScan™

Thieves can disarm run-of-the-mill car alarms with a “scanner” that rapidly transmits one remote control code after another. Yet even the most sophisticated scanner would need more than 19 years to decipher Premier remote control's **4.3-billion-codes**. Even if you add a basic (16,000-code) remote, Smart AntiScan will detect any scanner, block the codes it generates, sound the siren and flash the parking lights.

### Smart AutoArming™

If you forget to arm your system with the remote control, it will arm itself automatically 30 seconds after the vehicle doors are closed. (The Multicolor LED will blink green for visual confirmation of the 30-second Smart AutoArming countdown). If you re-open any door(s) within the 30-second countdown, the AutoArming process will restart from the beginning once all doors are closed.

Whenever the system AutoArms, an entry delay (factory preset to 15 seconds) will be in effect when you return. This allows you to disarm the system before the alarm sounds if you lose the use of your remote control. To disarm without the remote control after the system has AutoArmed, simply enter the vehicle and turn on the ignition switch within 15 seconds. You may set the entry delay to any interval between 1 and 59 seconds. In fact, if you wish, you may eliminate the entry delay and the Smart AutoArming feature altogether (see page 15).

*NOTE: When the system arms automatically, the doors will not lock. This will prevent you from being locked out of the car while your keys remain inside.*

*NOTE: To prevent AutoArming when fueling the vehicle, either enable the valet mode (see page 5) or leave one of the doors open.*

### Smart AutoDiagnostics™

The AvantGuard II will automatically and instantly perform a comprehensive test of all system triggers and sensors every time you arm the system. In the rare event that a **trigger** malfunctions, the system will alert you of the problem by **immediately issuing four chirps and four flashes** of the parking lights instead of the usual two chirps and two flashes. If one of the **sensors** malfunctions, the system will issue the usual 2 chirps and 2 flashes, then **5 seconds later** the system will issue **four chirps and four flashes**.

Smart AutoDiagnostics will even identify the specific defect to reduce trouble-shooting time. To identify a defect, disarm the system. The Multicolor LED will blink in red 1-4 times, pause for one second, then repeat the cycle four more times. Count the number of blinks in one of the 5 cycles and use the table below to identify the defect.

| LED Indication | Malfunction  |
|----------------|--|
| 1 blink        | Magnetic Resonance Sensor                          |
| 2 blinks       | Optional Proximity Sensor and/or IntelliSensor 3-D |
| 4 blinks       | Hood or Trunk Trigger                              |

### Malfunction AutoBypass™

Once Smart AutoDiagnostics identifies a malfunctioning trigger or sensor it will instantly activate the Malfunction AutoBypass feature, which will automatically override any malfunction and arm all other triggers and sensors. Your vehicle will never be without some measure of protection.



### **Prior Intrusion Attempt Alert**

If the alarm sounded while you were away, when you remotely disarm the system will issue three chirps and three flashes of the parking lights. You'll note that the Multicolor LED will blink in red 1-7 times, pause for one second then repeat the cycle four more time. Count the number of red blinks in any one of the 5 cycles and use the table below to identify the trigger or sensor that detected the attempt.

| <b>LED Indication</b> | <b>Tripped Trigger or Sensor</b>                   |
|-----------------------|--|
| 1 blink               | Magnetic Resonance Sensor                          |
| 2 blinks              | Optional Proximity Sensor and/or IntelliSensor 3-D |
| 4 blinks              | Hood or Trunk Trigger                              |
| 7 blinks              | Scan Attempt (see Smart AntiScan on page 5)        |

### **Multicolor LED Status Indicator**

The Multicolor LED Status Indicator confirms system status:

| <b>LED Indication</b> | <b>System Status</b>                          |
|-----------------------|---|
| Off                   | System is disarmed, you may enter the vehicle |
| On (red)              | Valet or programming mode                     |
| Flashing (red)        | System is armed and protecting your vehicle   |
| Flashing (green)      | 30-second AutoArming Countdown                |

### **"Chirp" Muting**

If and when you desire, you may silence the chirp confirmations, allowing for only silent, parking light arm/disarm confirmation (of course, if an intrusion attempt occurs, the SmartSiren *will* sound). You have two choices:

- You may disable the chirps until you wish to enable the chirps again.
- Disable the chirps for only one arm and disarm cycle.

**For long-term chirp muting/restoration**, use the following procedure:

1. Turn the **ignition key** to the "ON" position.
2. *Within 10 seconds*, **press and hold** the valet/program switch to its **momentary** position until you hear a siren chirp, then release. The LED will light in red and stay lit, confirming that the system is in program mode.
3. Tap the valet/chirp-mute switch to its **momentary** position **2 times**.
4. Flip the switch to its **latched** position, then back to **center**. You will hear 2 confirmation chirps.
5. Tap the switch to its **momentary** position **4 times**.
6. Flip the switch to its **latched** position, then back to **center**. You will hear 4 confirmation chirps.
  - a. To turn the chirps **off**: Tap the switch to its **momentary** position.

- b. To turn the chirps **on**: Flick the switch to its **latched** position, then back to **center**.
  - c. You will hear 3 chirps to confirm chirp muting or restoration.
7. Turn the **ignition off**. You will hear 3 chirps to confirm exiting of program mode.

**One-Cycle Chirp Muting:** This is particularly useful when parking in a quiet residential area. Just rapidly turn the ignition on and off. When you next arm, and later disarm, there will be no chirps. After that, the chirps are automatically restored.

### **SmartSiren™**

The SmartSiren not only sounds when an intrusion attempt is detected, but it allows you to program your own siren duration from 1 second to 5 minutes (for your convenience, siren duration is factory preset to 30 seconds). What's more, when you hear your siren you will know that it is your car since you can program SmartSiren to sound your own personalized sound pattern. See pages 10-11 for details.

Even if a door is left open in the wake of an intrusion, the SmartSiren will sound no more than five cycles of the siren duration, ensuring against excessive battery drain or the vehicle being towed due to noise pollution. It will then automatically override the door trigger and re-arm, providing your vehicle with uninterrupted protection.

### **What Do the Chirps and Flashes Mean?**

When you remotely arm or disarm the system, the siren will chirp and the parking lights will flash. The following table explains the meaning of the chirp/flash signals:

| <b>Chirp/Flash Indication</b>                     | <b>System Status</b>   |
|---|--|
| 1 chirp/1 flash                                   | System has been disarmed by remote.  |
| 2 chirps/2 flashes                                | System has been armed by remote.   |
| 3 chirps/3 flashes                                | System has been disarmed and the alarm sounded while you were away (refer to the Prior Intrusion Attempt Alert section on page 7).   |
| 4 chirps/4 flashes immediately upon remote arming | System has been armed by remote, but there is a trigger malfunction (refer to the Smart AutoDiagnostics section on page 6). The system is armed and the trigger/sensor defect has been automatically bypassed. |
| 4 chirps/4 flashes 5 sec. after remote arming     | System has been armed by remote, but one of the sensors is active (refer to the Smart AutoDiagnostics section on page 6). The system is armed and the sensor input has been automatically bypassed.            |

## ***Remote Engine Starting***

### ***How to Remotely Start the Engine***

Remote control button II (channel 2) will remotely start (or shut down) the engine:

1. With the remote control microswitch in the **up** position, press and hold button II (channel 2) until you see your vehicle's parking lights flash twice. (NOTE: A single flash indicates a fault condition, e.g., the transmission is not in "PARK").
2. Once the engine starts, the parking lights will be on for as long as the engine is running.
3. If the engine starts and then stalls, the system will automatically make up to two more attempts to start the vehicle.
4. The engine and all preset accessories (heater, defroster, air conditioner, etc.) will run for up to 20 minutes. If you do not enter and drive the vehicle within 20 minutes, your AvantGuard II will automatically shut down the engine. If you wish, you can shut down the engine, or restart it, by pressing again on button II (channel 2) of the remote control.

### ***Driving the Vehicle After Remote Starting***

1. Insert the ignition key and turn the switch to the "ON" position. (Don't worry if you turn the switch all the way to "START," the system's StarterGuard™ feature will prevent the starter from grinding while the engine is running under the control of your AvantGuard II.)
2. Press the brake pedal and/or shift the transmission out of "PARK."
3. The AvantGuard II is now disengaged and your vehicle will operate as usual.

*NOTE: For security reasons, if you press the brake pedal or shift the transmission out of "PARK" BEFORE you turn the ignition on, the AvantGuard II will immediately shut down the engine.*

### ***The AutoStart™ Feature***

Whenever you wish, you can set your AvantGuard II to automatically start the engine if the vehicle battery voltage drops too low. This is especially valuable when you need to leave the vehicle parked for an extended period of time, particularly in cold weather. The AvantGuard II will automatically shut down the engine once the battery is properly charged or after 30 minutes, whichever occurs first. If need be, this process will automatically repeat every eight hours until the battery is properly charged. Your car is safe and sound since it can't be driven by an intruder even while the engine is running.

For the utmost in user-friendliness, you don't have to do a thing to turn off the AutoStart feature. AutoStart is automatically canceled whenever you start the engine with either your remote control or ignition key (or if a fault is detected).

### *How to Engage AutoStart*

1. Make sure that the gas tank is at least half full. To conserve battery power, make sure the air conditioner, radio and all other accessories are turned off.
2. Insert your **ignition** key and turn the switch to the “**ON**” position.
3. *Within 10 seconds*, **press and hold** the valet/program switch to its **momentary** position until you hear 1 chirp, then release the switch. The LED will light in red and stay lit, confirming that the system is now in program mode.
4. Tap the switch to its **momentary** position 1 time.
5. Flip the switch to its **latched** position, then back to **center**. You will hear 1 chirp.
6. Tap the switch to its **momentary** position 1 time.
7. Flip the switch to its **latched** position, then back to **center**. You will hear 1 chirp.
8. Tap the switch to its **momentary** position, then release. You will hear 3 chirps to confirm that AutoStart has been engaged.
9. Turn the **ignition** key to the “**OFF**” position. The siren will chirp 3 times and the LED will turn off to confirm that the system has exited program mode.
10. Exit and arm the system with remote control button I (channel 1).

### *Remote Starter Do's and Don'ts*

#### **DO**

- *Park the vehicle in an open, well-ventilated area.*
- *Before exiting the vehicle, set the air conditioner, heater, defroster and other accessories to the desired levels.*
- *Set the air conditioner or heater to the “Recirculate” (rather than “fresh”) position. This will warm/cool the interior more efficiently.*
- *Make sure the transmission is in “PARK”, the hood is closed and the alarm is armed before leaving the vehicle.*
- *When remotely starting, hold button II until the parking lights flash twice.*
- *Before engaging the AutoStart feature, make sure the gas tank is at least half-full and all accessories are off.*
- *For servicing, pull the 5-amp fuse attached to the positive [+] post of the vehicle battery). After servicing is complete, turn on the ignition then reinsert the fuse.*

#### **DON'T**

- *NEVER allow children to play with the remote control.*
- *NEVER start the engine if the vehicle is parked in a poorly ventilated area.*
- *NEVER remotely start the engine with a person or pet in the car (exhaust fumes may leak into the passenger compartment).*
- *NEVER remotely start and restart the engine (or turn the ignition on and off) more than 10 consecutive times without turning the ignition on and placing the transmission in “DRIVE” for at least 3 seconds.*

## How to Program Your AvantGuard II

**NOTE:** A Quick Programming Guide is on pages 17-19. However, if you are programming the system for the first time, we strongly recommend that you follow the detailed instructions in the specific sections that follow before attempting to use the guide.

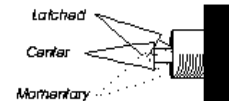
**F**or your convenience, everything was preprogrammed for you at the Clifford Electronics factory. If, however, you would like to set your AvantGuard II to meet your own specific needs and preferences, doing so is as simple as a few flicks of a switch.

**NOTE:** If you wish to program more than one feature at a time, you do not need to exit and re-enter the program mode for each feature separately. Simply leave the ignition on after programming the first feature and continue with STEP 3 of the next feature you wish. When all programming is complete, place the switch in its center position, then turn off the ignition.

### How to Change Siren Duration

Siren duration is the period of time the siren will sound when the system detects an intrusion attempt. Siren duration is factory preprogrammed for 30 seconds. You may change the siren duration to any time interval from 1 second to 5 minutes. To program siren duration, use the following procedure:

1. Turn **ignition** to the **ON** position.
2. *Within 10 seconds*, **press and hold** the valet/program switch to its **momentary** (spring-loaded) position until you hear **1 chirp**, then release the switch. The LED will light in red and stay lit, confirming that the system is now in program mode.
3. Tap the switch to its **momentary** position **2 times**.
4. Flip the switch to its **latched** position, then back to **center**. You will hear **2 chirps**.
5. Tap the switch to its **momentary** position **2 times**.
6. Flip the switch to its **latched** position, then back to **center**. You will hear **2 chirps**.
7. Flip the switch to its **latched** position. You will hear **1 chirp** to confirm that the siren duration timer has been started. Leave the switch in the latched position for the desired duration.
8. When the desired duration is achieved, flip the switch to its **center** position.
9. You will hear **3 chirps** to confirm that you've programmed siren duration. Either proceed to *step 3* of the next feature you wish to program, or turn the ignition off to exit program mode (you will hear 3 chirps and the LED will turn off to confirm that the system has exited program mode).



### ***How to Set Your Own Personalized Siren Sound***

You can program a unique code of siren chirps to recognize your system at a distance.. Your Personalized Siren Sound will consist of any combination of eight or less dot (short) and/or dash (long) siren pulsating sounds. A dot is a 1/4-second siren chirp. A dash is a 3/4-second chirp. A short pause of a 1/4-second is automatically inserted between each dot or dash, or you can enter one or more 3/4-second pauses for a more distinctive sound. When the alarm sounds, will issue its normal tone for 2.5 seconds then will "call out" your Personalized Siren Sound and alternate between them. First select and write down your desired sequence of eight or less dots, dashes and pauses. Then write out the matching TAP/HOLD/LATCHED sequence as described below:

|                              |   |
|------------------------------|---|
| <i>To program a dot</i>      | <i>TAP the valet/program switch to its momentary side</i> |
| <i>To program a dash</i>     | <i>HOLD to the momentary side for 2 seconds</i>           |
| <i>Normal 1/4-sec. pause</i> | <i>Is automatically inserted after each dot and dash</i>  |
| <i>Long 3/4-sec. pause</i>   | <i>Flip to the LATCHED side</i>                           |

#### ***Example***

*Dash, dash, long pause, dot, long pause, dot, dash  
would "translate" to*

*HOLD, HOLD, LATCHED, TAP, LATCHED, TAP, HOLD*

*You are now ready to program your Personalized Siren Sound:*

1. Turn **ignition** to the **ON** position.
2. *Within 10 seconds*, **press and hold** the valet/program switch to its **momentary** (spring-loaded) position until you hear **1 chirp**, then release the switch. The LED will light in red and stay lit, confirming that the system is now in program mode.
3. Tap the switch to its **momentary** position **2 times**.
4. Flip the switch to its **latched** position, then back to **center**. You will hear **2 chirps**.
5. Tap the switch to its **momentary** position **3 times**.
6. Flip the switch to its **latched** position, then back to **center**. You will hear **3 chirps**.
7. Enter your **TAP/HOLD/LATCHED** sequence. After each TAP and HOLD, the system will respond with a siren chirp.
8. If your Personalized Siren Sound has a total of 8 dots and/or dashes, you will hear **3 chirps** after the final TAP or HOLD to confirm you've programmed your Personalized Siren Sound. Either proceed to *step 3* of the next feature you wish to program, or turn the ignition off to exit program mode (you will hear 3 chirps and the LED will turn off to confirm that the system has exited program mode).
9. If you have less than 8 dots and/or dashes in your code, simply turn the ignition to the OFF position when you are done. You will hear **3 chirps** and the LED will turn off to confirm you've programmed your Personalized Siren Sound and that the system has exited program mode. If you wish to program another feature, proceed to *step 1* of that feature.

### ***How to Adjust Sensitivity of the Optional OmniSensor***

You can easily increase or decrease the sensitivity of the optional OmniSensor any time, any place, without tools and without even knowing where the sensor is mounted. To change sensitivity of the optional OmniSensor, use the following procedure:

1. Turn **ignition** to the **ON** position.
2. *Within 10 seconds*, **press and hold** the valet/program switch to its **momentary** (spring-loaded) position until you hear **1 chirp**, then release the switch. The LED will light in red and stay lit, confirming that the system is now in program mode.
3. Tap the switch to its **momentary** position **1 time**.
4. Flip the switch to its **latched** position, then back to **center**. You will hear **1 chirp**.
5. Tap the switch to its **momentary** position **1 time**.
6. Flip the switch to its **latched** position, then back to **center**. You will hear **1 chirp**.
7. Flip the switch to its **latched** position, then back to the **center** position. You will hear **3 chirps**.
8. Turn the **ignition off** (you will hear **3 chirps** and the LED will turn off).
9. When the beeping stops, gently “**thump**” the windshield with your fist (DO NOT strike the windshield from inside the car). Strike gently for high sensitivity, harder for low sensitivity (a gentle strike is recommended). You will hear **1 chirp** to confirm the impact characteristics have been registered.
10. Arm the system with the remote control, *wait at least 5 seconds*, then strike the vehicle again with somewhat more force. The alarm should sound. If it does not, carefully repeat steps 1 through 10.

### ***How to Enable/Disable FACT***

FACT eliminates recurring false alarms (see page 5). FACT is factory enabled, and we highly recommend you leave it that way. To disable or re-enable the FACT feature, use the following procedure:

1. Turn **ignition** to the **ON** position.
2. *Within 10 seconds*, **press and hold** the valet/program switch to its **momentary** (spring-loaded) position until you hear **1 chirp**, then release the switch. The LED will light in red and stay lit, confirming that the system is now in program mode.
3. Tap the switch to its **momentary** position **2 times**.
4. Flip the switch to its **latched** position, then back to **center**. You will hear **2 chirps**.
5. Tap the switch to its **momentary** position **1 time**.
6. Flip the switch to its **latched** position, then back to **center**. You will hear **1 chirp**.
  - a. **To enable:** Flip the switch to its **latched** position, then back to **center**.
  - b. **To disable:** Tap the switch to its **momentary** position, then release.
7. You will hear **3 chirps** to confirm you've enabled or disabled FACT. Either proceed to *step 3* of the next feature you wish to program, or turn the ignition off to exit program mode (you will hear 3 chirps and the LED will turn off to confirm that the system has exited program mode).

### ***How to Enable/Disable AutoLock and AutoUnLock***

The system automatically locks your car doors 5 seconds after you shift the transmission into Drive. Conversely, the doors automatically unlock after you turn the ignition off. To disable or re-enable this feature, use the following procedure:

1. Turn **ignition** to the **ON** position.
2. *Within 10 seconds*, **press and hold** the valet/program switch to its **momentary** (spring-loaded) position until you hear **1 chirp**, then release the switch. The LED will light in red and stay lit, confirming that the system is now in program mode.
3. Tap the switch to its **momentary** position **1 time**.
4. Flip the switch to its **latched** position, then back to **center**. You will hear **1 chirp**.
5. Tap the switch to its **momentary** position **2 times**.
6. Flip the switch to its **latched** position, then back to **center**. You will hear **2 chirps**.
  - a. **To enable:** Flip the switch to its **latched** position, then back to **center**.
  - b. **To disable:** Tap the switch to its **momentary** position, then release.
7. You will hear **3 chirps** to confirm you've enabled or disabled Smart AutoArming. Either proceed to *step 3* of the next feature you wish to program, or turn the ignition off to exit program mode (you will hear 3 chirps and the LED will turn off to confirm that the system has exited program mode).

### ***How to Enable/Disable Smart AutoArming***

Smart AutoArming automatically (*passively*) arms the system if you forget to arm it with the remote control (see page 6 for complete details). To disable or re-enable the Smart AutoArming feature, use the following procedure:

1. Turn **ignition** to the **ON** position.
2. *Within 10 seconds*, **press and hold** the valet/program switch to its **momentary** (spring-loaded) position until you hear **1 chirp**, then release the switch. The LED will light in red and stay lit, confirming that the system is now in program mode.
3. Tap the switch to its **momentary** position **1 time**.
4. Flip the switch to its **latched** position, then back to **center**. You will hear **1 chirp**.
5. Tap the switch to its **momentary** position **3 times**.
6. Flip the switch to its **latched** position, then back to **center**. You will hear **3 chirps**.
  - a. **To enable:** Flip the switch to its **latched** position, then back to **center**.
  - b. **To disable:** Tap the switch to its **momentary** position, then release.
7. You will hear **3 chirps** to confirm you've enabled or disabled Smart AutoArming. Either proceed to *step 3* of the next feature you wish to program, or turn the ignition off to exit program mode (you will hear 3 chirps and the LED will turn off to confirm that the system has exited program mode).



### ***How to Set the Smart AutoArming Entry Delay***

Entry delay is programmable from 1 to 59 seconds (factory preset to 15 seconds). For security reasons, the entry delay should be just enough time for you to open the door and turn on the ignition. To set a new entry delay, use the following procedure:

1. Turn **ignition** to the **ON** position.
2. *Within 10 seconds*, **press and hold** the valet/program switch to its **momentary** (spring-loaded) position until you hear **1 chirp**, then release the switch. The LED will light in red and stay lit, confirming that the system is now in program mode.
3. Tap the switch to its **momentary** position **2 times**.
4. Flip the switch to its **latched** position, then back to **center**. You will hear **2 chirps**.
5. Tap the switch to its **momentary** position **2 times**.
6. Flip the switch to its **latched** position, then back to **center**. You will hear **2 chirps**.
7. **Press and hold** the switch to its **momentary** position. You will hear **1 chirp**. **Continue holding** the switch for the desired entry delay, then release.
8. You will hear **3 chirps** to confirm the new entry delay. Either proceed to *step 3* of the next feature you wish to program, or turn the ignition switch off to exit program mode (you will hear 3 chirps and the LED will turn off to confirm that the system has exited program mode).

### ***How to Add a New Remote Control***

Your AvantGuard II can function with as many as eight differently coded remote controls. To add any type of Clifford remote control, use the following procedure:

1. Turn **ignition** to the **ON** position.
2. *Within 10 seconds*, **press and hold** the valet/program switch to its **momentary** (spring-loaded) position until you hear **1 chirp**, then release the switch. The LED will light in red and stay lit, confirming that the system is now in program mode.
3. How to Program Button I/Channel 1: *For arming/disarming the security system:*
  - a. Tap the switch to its **momentary** position **3 times**.
  - b. Flip the switch to its **latched** position, then back to **center**. You will hear **3 chirps**.
  - c. Tap the switch to its **momentary** position **1 time**.
  - d. Flip the switch to **latched** position, then back to **center**. You will hear **1 chirp**.
  - e. With the switch in the **center** position, press **button I** on you remote control. You will hear **3 chirps** to confirm that the new button I code has been added.
  - f. To program button II/channel 2, go to step 4. Otherwise go to *step 3* of the next feature you wish to program, or turn the ignition off (you will hear 3 chirps and the LED will turn off to confirm that the system has exited program mode).
4. How to Program Button II/Channel 2: *For remote engine starting/shutdown:*
  - a. Tap the switch to its **momentary** position **3 times**.

- b. Flip the switch to its **latched** position, then back to **center**. You will hear **3 chirps**.
  - c. Tap the switch to its **momentary** position **1 time**.
  - d. Flip the switch to its **latched** position, then back to **center**. You will hear **1 chirp**.
  - e. Flip the switch to its **latched** position, then press **button II** on your remote. You will hear **3 chirps** to confirm that the new button II code has been added.
  - f. To program button III/channel 3, go to step 5. Otherwise go to *step 3* of the next feature you wish to program or turn the ignition off (you will hear 3 chirps and the LED will turn off to confirm the system has exited program mode).
5. How to Program Button III/Channel 3: *The system's channel 3 output may be used to remotely command an optional system accessory (such as SmartWindows II).*
- a. Tap the switch to its **momentary** position **3 times**.
  - b. Flip the switch to its **latched** position, then back to **center**. You will hear **3 chirps**.
  - c. Tap the switch to its **momentary** position **2 times**.
  - d. Flip the switch to its **latched** position, then back to **center**. You will hear **2 chirps**.
  - e. With the switch in the **center** position, press **button III** on your remote. You will hear **3 chirps** to confirm that the new button III code has been added.
  - f. To program button IV/channel 4, go to step 6. Otherwise go to *step 3* of the next feature you wish to program or turn the ignition off (you will hear 3 chirps and the LED will turn off to confirm the system has exited program mode).
6. How to Program Button IV/Channel 4: *The system's channel 4 output may be used to remotely command an optional system accessory (such as a remote trunk release).*
- a. Tap the switch to its **momentary** position **3 times**.
  - b. Flip the switch to its **latched** position, then back to **center**. You will hear **3 chirps**.
  - c. Tap the switch to its **momentary** position **2 times**.
  - d. Flip the switch to its **latched** position, then back to **center**. You will hear **2 chirps**.
  - e. Flip the switch to its **latched** position, then press **button IV** on your remote. You will hear **3 chirps** to confirm that the new button IV code has been added.
  - f. Either proceed to *step 3* of the next feature you wish to program, or turn the ignition off to exit program mode (you will hear 3 chirps and the LED will turn off to confirm the system has exited program mode).

### **How to Delete the Code of a Lost or Stolen Remote Control**

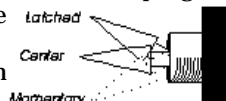
To delete the code of a lost or stolen remote control, you must do so by pushing the old digital code out of the memory slots. Doing so is easy: Simply program button I of your current remote control into the system 8 times (see *How to Add a New Remote Control* on page 15). If you have two remote controls, program each 4 times. If using three or more remote controls, program all of them so that the total adds up to 8.

## Quick Programming Guide

Once you are familiar with the AvantGuard II programming procedures, you may use this quick guide to make programming changes.

**IMPORTANT: DO NOT use this guide unless you have programmed the AvantGuard II before. If you have never programmed the system before, you should refer first to the detailed programming instructions in the appropriate section of How To Program Your AvantGuard II.**

1. Turn **ignition on**, then, within 10 seconds, press and **hold** the valet/program switch to its **momentary** side until you hear **1 chirp**. The LED will light, indicating the system is in program mode.
2. Select the **feature** you wish to program from the charts on the following pages.
3. **Flip** the valet/program **switch** in the exact sequence and positions as noted on the chart. Be sure to listen for the confirmation chirps where noted. (If you don't hear the indicated number of chirps, turn the ignition off and start over.)
4. If you wish to program another feature, perform the sequence for that feature. Otherwise, turn the **ignition off** to exit program mode (you will hear **3 chirps** and the LED will turn off to confirm that the system has exited program mode).



*M = Momentary position   L = Latched Position   C = Center Position*

| Programmable Feature                | Parameter               | Action           | Step Number |   |   |   |   |   |   |   |   |    |                |    |    |    |
|-------------------------------------|-------------------------|------------------|-------------|---|---|---|---|---|---|---|---|----|----------------|----|----|----|
|                                     |                         |                  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11             | 12 | 13 | 14 |
| Smart AutoArming                    | Enable                  | Flick switch to  | M           | L | C |   | M | M | M | L | C |    | L              |    |    |    |
|                                     |                         | Number of chirps |             |   |   | 1 |   |   |   |   |   | 3  | 3              |    |    |    |
|                                     | Disable                 | Flick switch to  | M           | L | C |   | M | M | M | L | C |    | M              |    |    |    |
|                                     |                         | Number of chirps |             |   |   | 1 |   |   |   |   |   | 3  | 3              |    |    |    |
|                                     | Entry delay             | Flick switch to  | M           | M | L | C |   | M | M | L | C |    | M <sup>1</sup> |    | C  |    |
|                                     |                         | Number of chirps |             |   |   | 2 |   |   |   |   |   | 2  | 1              | 3  |    |    |
| Long-Term Chirp Muting              | Enable (no chirps)      | Flick switch to  | M           | M | L | C |   | M | M | M | M | L  | C              |    | M  |    |
|                                     |                         | Number of chirps |             |   |   | 2 |   |   |   |   |   |    | 4              | 3  |    |    |
|                                     | Disable (normal chirps) | Flick switch to  | M           | M | L | C |   | M | M | M | M | L  | C              |    | L  |    |
|                                     |                         | Number of chirps |             |   |   | 2 |   |   |   |   |   |    | 4              | 3  |    |    |
| FACT (False Alarm Control and Test) | Enable                  | Flick switch to  | M           | M | L | C |   | M | L | C |   | L  |                |    |    |    |
|                                     |                         | Number of chirps |             |   |   | 2 |   |   |   | 1 | 3 |    |                |    |    |    |
|                                     | Disable                 | Flick switch to  | M           | M | L | C |   | M | L | C |   | M  |                |    |    |    |
|                                     |                         | Number of chirps |             |   |   | 2 |   |   |   | 1 | 3 |    |                |    |    |    |

**1** Hold in momentary position for desired length of entry delay.

| Programmable Feature     | Parameter                                 | Action               | Step Number |   |   |   |   |   |   |   |                |    |                |                |    |    |
|--------------------------|---|----------------------|-------------|---|---|---|---|---|---|---|----------------|----|----------------|----------------|----|----|
|                          |   |                      | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9              | 10 | 11             | 12             | 13 | 14 |
| Personalized Siren Sound | Any pattern of up to 8 dots and/or dashes | Flick switch to      | M           | M | L | C |   | M | M | M | L              | C  |                |                |    |    |
|                          |   | Number of chirps     |             |   |   |   | 2 |   |   |   |                |    | 3              | 3 <sup>3</sup> |    |    |
|                          |   | Special instructions |             |   |   |   |   |   |   |   |                |    |                | 2              |    |    |
| Siren duration           | From 1 second to 5 minutes                | Flick switch to      | M           | M | L | C |   | M | M | L | C              |    | L <sup>4</sup> | C              |    |    |
|                          |   | Number of chirps     |             |   |   |   | 2 |   |   |   |                | 2  | 1              | 3              |    |    |
| Optional OmniSensor      | Sensor Sensitivity                        | Flick switch to      | M           | L | C |   | M | L | C |   | L              | C  |                |                |    |    |
|                          |   | Number of chirps     |             |   |   | 1 |   |   | 1 |   | 3 <sup>5</sup> |    |                | 3              |    |    |
|                          |   | Special instructions |             |   |   |   |   |   |   |   |                |    |                | 6              | 7  |    |
| Add a new remote control | Channel 1 (arm/disarm)                    | Flick switch to      | M           | M | M | L | C |   | M | L | C              |    |                |                |    |    |
|                          |   | Number of chirps     |             |   |   |   |   | 3 |   |   |                | 1  | 3              |                |    |    |
|                          |   | Special instructions |             |   |   |   |   |   |   |   |                |    | 8              |                |    |    |
|                          | Channel 2 (accessory)                     | Flick switch to      | M           | M | M | L | C |   | M | L | C              |    | L              |                |    |    |
|                          |   | Number of chirps     |             |   |   |   |   | 3 |   |   |                | 1  |                | 3              |    |    |
|                          |   | Special instructions |             |   |   |   |   |   |   |   |                |    |                | 9              |    |    |
|                          | Channel 3 (accessory)                     | Flick switch to      | M           | M | M | L | C |   | M | M | L              | C  |                |                |    |    |
|                          |   | Number of chirps     |             |   |   |   |   | 3 |   |   |                |    | 2              | 3              |    |    |
|                          |   | Special instructions |             |   |   |   |   |   |   |   |                |    |                | 10             |    |    |
|                          | Channel 4 (accessory)                     | Flick switch to      | M           | M | M | L | C |   | M | M | L              | C  |                | L              |    |    |
|                          |   | Number of chirps     |             |   |   |   |   | 3 |   |   |                |    | 2              |                | 3  |    |
|                          |   | Special instructions |             |   |   |   |   |   |   |   |                |    |                |                | 11 |    |

- 2 Enter your TAP/HOLD/LATCHED sequence.
- 3 If you code has **exactly** 8 dots/dashes, you will hear 3 chirps after the 8th TAP or HOLD to confirm programming completion. If your code has less than 8 dots/dashes, turn off the ignition key after the final TAP or HOLD.
- 4 Leave the switch in latched position for the desired siren duration, then flip to center.
- 5 Simultaneously, 10 seconds of low-level beeping will begin.
- 6 Turn off the ignition key.
- 7
  - a) Exit and wait for OmniSensor beeping to stop.
  - b) Gently “thump” the windshield and listen for a long-beep confirmation.
  - c) Wait 20 seconds for 6 beeps, confirming sensor programming completion.
  - d) Arm with the remote control, *wait 5 seconds*, then test.
- 8 Press remote control button I/channel 1.
- 9 Press remote control button II/channel 2.
- 10 Press remote control button III/channel 3.
- 11 Press remote control button IV/channel 4.

| Programmable Feature    | Parameter | Action               | Step Number |   |   |   |   |   |   |   |   |    |    |               |               |    |
|-------------------------|-----------|----------------------|-------------|---|---|---|---|---|---|---|---|----|----|---------------|---------------|----|
|                         |           |                      | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12            | 13            | 14 |
| AutoLock and AutoUnLock | Enable    | Flick switch to      | M           | L | C |   | M | M | L | C |   | L  |    | C             |               |    |
|                         |           | Number of chirps     |             |   |   | 1 |   |   |   |   | 2 | 3  |    |               |               |    |
|                         | Disable   | Flick switch to      | M           | L | C |   | M | M | L | C |   | M  |    |               |               |    |
|                         |           | Number of chirps     |             |   |   | 1 |   |   |   |   | 2 | 3  |    |               |               |    |
| AutoStart               | Enable    | Flick switch to      | M           | L | C |   | M | L | C |   | M |    | C  |               |               |    |
|                         |           | Number of chirps     |             |   |   | 1 |   |   |   | 1 | 3 |    | 3  |               |               |    |
|                         |           | Special instructions |             |   |   |   |   |   |   |   |   |    |    | <sup>12</sup> | <sup>13</sup> |    |

**12** Turn the ignition off to exit program mode.

**13** The AutoStart feature will automatically disengage whenever the engine is started with either the remote control or the car key — or if a fault is detected while AutoStart is engaged (e.g., the transmission is not in the Park position).

# CLIFFORD

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