

AS-1727

User Guide

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INDUSTRY CANADA USER NOTICE:

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication".

FCC USER NOTICE (U.S.A.):

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

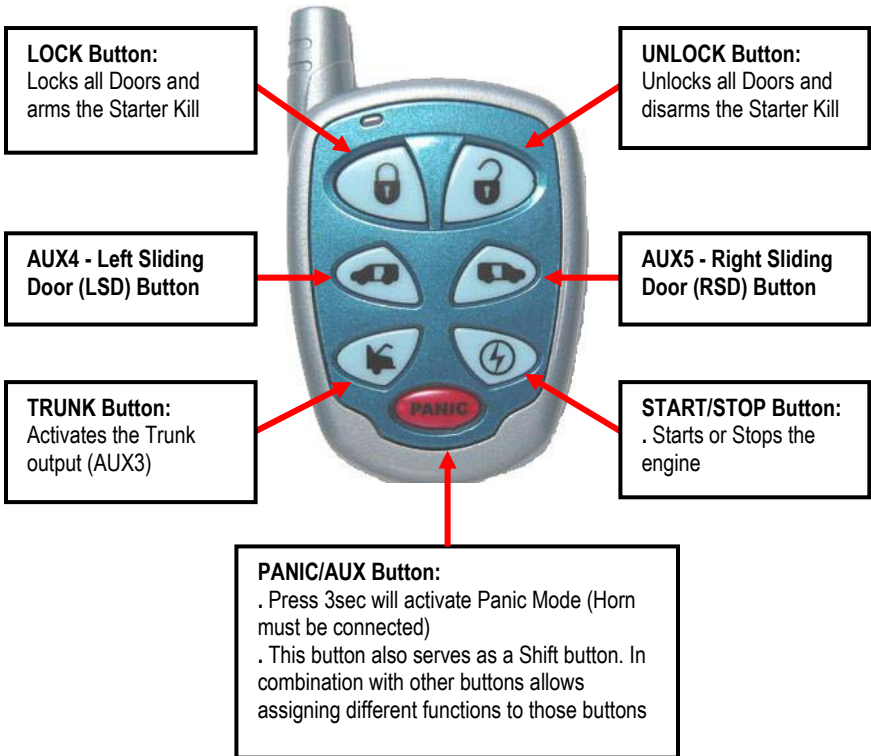
NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Introduction

This is a state-of-the-art remote starter system. The system is packed with advanced features such as priority access to the driver's door (commodity features) and the safe start children safety feature. With many an advanced function, this product will satisfy any one your expectations from high-end commodity and security systems, without neglecting any standard feature commonly offered by entry-level starters.

Using the Remote Control

Your remote starter is equipped with a multi-channel remote control. It can operate two independent vehicles equipped with an identical remote starter unit. (See **Multi-car operation** section on page 9). The functions of the transmitter are as follows:



- Pressing and holding the **LOCK** button for more than 3 seconds will lock all doors and will send a constant pulse as long as the **LOCK** button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling up the windows – **Please refer to your installer to see if your vehicle is compatible with this option.**
- Pressing and holding the **UNLOCK** button for more than 3 seconds will unlock all doors and will send a constant pulse as long as the **UNLOCK** button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling down the

windows – Please refer to your installer to see if your vehicle is compatible with this option.

Multi-Level Features (default state)

Basic Features (press the PANIC/AUX button 1X)

PANIC/AUX > LOCK	AUX 2
PANIC/AUX > START/STOP	cold weather

Multi-Car Operation (press the PANIC/AUX button 2X)

PANIC/AUX > PANIC/AUX > LOCK:	2 nd car lock
PANIC/AUX > PANIC/AUX > UNLOCK:	2 nd car unlock
PANIC/AUX > PANIC/AUX > START/STOP:	2 nd car start/stop
PANIC/AUX > PANIC/AUX > TRUNK:	2 nd car trunk

Customized Features (press the PANIC/AUX button 3X)

(May not be applicable for certain vehicles)

Your installer can add customized features such as turning on the radio, opening sliding doors, etc.

PANIC/AUX > PANIC/AUX > PANIC/AUX	> LOCK:	customized feature 1
PANIC/AUX > PANIC/AUX > PANIC/AUX	> UNLOCK:	customized feature 2
PANIC/AUX > PANIC/AUX > PANIC/AUX	> TRUNK:	customized feature 3
PANIC/AUX > PANIC/AUX > PANIC/AUX	> START/STOP:	customized feature 4

By default, the multi-level features are programmed as follows:

- Level 1 (Basic Features)
 - Level 2 (Multi car operation)
 - Level 3 (Customized Features)
- To access a feature that is programmed as level 1, press the PANIC/AUX button once followed by the desired function.
 - To access a feature that is programmed as level 2, press the PANIC/AUX button twice followed by the desired function.
 - To access a feature that is programmed as level 3, press the PANIC/AUX button three times followed by the desired function.

Your installer can customize the system as to personalize these multi-level features in an order that best suits you.

Your options are:

Option 1:

Level 1 (requires pressing the PANIC/AUX button 1X)	→	Multi car operation
Level 2 (requires pressing the PANIC/AUX button 2X)	→	Basic features
Level 3 (requires pressing the PANIC/AUX button 3X)	→	Customized features

Option 2:

Level 1 (requires pressing the PANIC/AUX button 1X)	→	Basic features
Level 2 (requires pressing the PANIC/AUX button 2X)	→	Multi car operation
Level 3 (requires pressing the PANIC/AUX button 3X)	→	Customized features

Option 3:

Level 1 (requires pressing the PANIC/AUX button 1X)	→	Customized features
Level 2 (requires pressing the PANIC/AUX button 2X)	→	Multi car operation
Level 3 (requires pressing the PANIC/AUX button 3X)	→	Basic features

Option 4:

Level 1 (requires pressing the PANIC/AUX button 1X)	→	Basic features
Level 2 (requires pressing the PANIC/AUX button 2X)	→	Customized features
Level 3 (requires pressing the PANIC/AUX button 3X)	→	Multi car operation

Example: If the multi-level features were set to option 3, the setup would be as follows:

- Level 1 → Customized feature
- Level 2 → Multi car operation
- Level 3 → Basic features

The “**Basic features**” are now programmed as level 3 and therefore:

- To access **cold weather mode**, the user needs to press on the **PANIC/AUX** button **three (3)** times followed by the **START/STOP** button.

Remote-Starting Your Vehicle

Press the **START/STOP** button for approx. 1 second. The parking lights will come on to inform you that the remote starter has received your signal. Approximately 5 seconds later, the engine will start. The parking lights will remain on during the pre-programmed run time of the engine.

If the vehicle does not start at the first attempt, the system will shut down, wait a few seconds and try to start the engine again. There will be 3 start attempts before the system gives up.

Vehicle Presets

Heater & Heated Seat

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan), front and rear, as well as heated seats (if equipped) should not be left on **HIGH**. It is recommended to leave the settings on **LOW** or **MEDIUM** instead.

Windshield Wipers & Radio & Headlights

Certain vehicles require the radio and / or windshield wiper and / or headlight circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wiper and headlight switches are off. Leaving the headlight switch on on certain types of vehicles could cause them to remain on even after remote starter shut down, resulting in a dead battery.

Driving Off

With the vehicle running under remote control, press the **UNLOCK** button to disarm and unlock the doors. Enter the vehicle and do the following:

Turn the ignition key to the **IGNITION ON (RUN)** position. (**Do not turn the key** to the **CRANK** position while the engine is running. This would cause the starter motor to re-engage.)

Press the brake pedal to disengage the remote starter unit.

You are now ready to drive off.

Using the Remote Starter

Arming the Starter Kill

The starter kill (if installed) can be configured by the installer so as to arm automatically (passive mode) or not to arm automatically (active mode). See section **passive or active arming** on p. 7 for more details on passive mode and active mode.

- To **disarm** the starter kill, press the **UNLOCK** button on the transmitter.
The parking lights will flash twice.
If remote door locks are installed, this will also unlock the doors.
- To **arm** the Starter Kill, press the **LOCK** button on the transmitter.
The parking lights will flash once.
If remote door locks are installed, this will also lock the doors.
- In **passive mode**, the starter kill will automatically arm if the ignition key is not inserted
Into the ignition switch within 1 or 3 minutes after unlocking (the key sense feature must be installed).

Idle Mode

Convenience feature: Idle mode allows you to keep the engine running and the doors locked while you stop, for example, at a convenience store or for a short delivery.

This feature allows you to let the remote starter take over control of the vehicle (i.e. no key in the ignition switch) while the engine is running. For example, if you stop for a delivery or at a convenience store, lock your vehicle and leave it running for the length of a run cycle while you are away.

To leave the vehicle in idle mode:

1. With the engine running, press the **LOCK** or **UNLOCK** button (to unlock the doors) or the **START/STOP** button on the remote control until the parking lights come on.
2. Remove the key and exit the vehicle. The engine will go on running.
3. Lock the doors if needed.

The engine will go on running until the user re-enters the vehicle or until the expiration of the engine run time.

Caution!!! Do not leave children or pets unattended in a vehicle standing in Idle Mode.

Turbo Mode

If turbo mode is configured at installation, it will allow a turbocharger to idle down after the user leaves the vehicle: the unit will take over the vehicle and keep it running for 60 seconds (or until it is shut down by remote control), then shut down the engine.

Proceed as follows to set the system to Turbo Mode:

1. With the engine already running, press the **LOCK** button on the transmitter until the parking lights come ON.
2. Remove the ignition key from the ignition switch.

The engine will go on running.

3. Exit the vehicle and close the door.
4. Press the **TRUNK** button to lock the doors.

The engine will shut down after 60 seconds of Turbo Mode.

Valet Mode

Valet Mode Using the Valet Switch (if installed)

When your vehicle is in valet mode, the remote starter functionalities are disabled. If the vehicle needs to be serviced, or if you park it indoors, the valet mode will prevent the engine from being remote-started accidentally.

To put the system into valet mode:

1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 3 sec., press the valet button.
3. The parking lights will flash three times to indicate that the vehicle is now in valet mode. Turn the ignition to the OFF position.

The L.E.D. will come ON solid.

To take the system out of valet mode:

1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 3 sec., press and release the valet button.
3. The parking lights will flash twice to indicate that the vehicle is now out of valet mode.

The L.E.D. will go out.

Note: Once valet mode is activated, the remote starter and alarm functions will be disabled.

Ignition Valet

This feature will allow you to remotely put your system into valet mode by using the ignition key instead of the valet button as above. Ignition valet can be used without a valet button installed.

To put the system i n t o valet mode:

Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.

The parking lights will flash three times to indicate that the vehicle is now in valet mode. The L.E.D. will come **ON** solid.

To take the system o u t o f valet mode:

Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.

The parking lights will flash twice to indicate that the vehicle is now out of valet mode. The L.E.D. will go out.

Note: With the ignition valet activated, the remote starter and alarm functions will be disabled.

Remote Valet Mode

This feature will allow you to remotely put your system into valet mode by using the transmitter instead of the valet button as above.

Getting into valet mode

- Hold the **UNLOCK** and **START/STOP** buttons simultaneously for 3 second.
- **The parking lights will flash 3 times.**

The LED will remain on solid.

Getting out of valet mode

- Hold the **UNLOCK** and **START/STOP** buttons simultaneously for 3 second.
- **The parking lights will flash 2 times.**

The LED will turn off.

Panic Mode

Note: Panic mode can only be activated if the horn has been adequately configured by your installer.

In an emergency situation, you can activate panic mode by pressing and holding the **PANIC** button for 3 seconds. If the vehicle is under a remote start, you can shutdown the engine, stop the horn by pressing the **LOCK** button:

If the car is not running, you can stop the horn by pressing the **LOCK** or **UNLOCK**.

Furthermore, the panic mode can be stop by activating one of the following three (3) features:

- a) Remote valet (pressing **UNLOCK** and **START/STOP** for 3 seconds)
- b) Ignition valet (turning the key inside the ignition switch from **OFF** to **ON** 5 times in a row)
- c) By pressing the valet switch (if included).

Panic Mode will automatically shut down after 30 sec.

Quick Lockout™

(Also called **secure panic**.) For fast protection in emergency situations, the system will **LOCK** all doors when you **press the brake pedal while you hear the sound signal**. (**Quick lockout** is only available when **panic mode** has been set off.)

Cold Weather Mode

When cold weather mode is active, the engine starts every 2 hours and runs for 4 minutes (or for 9 or 20 minutes with diesel engines). Cold weather mode automatically ends after 24 hours.

To enter Cold Weather Mode:

- Press the **PANIC** button and then the **START/STOP** for **3 seconds**.
- The parking lights will flash three (3) times.

To exit Cold Weather Mode, do any one of the following actions:

- Open the hood.
- Start the engine by remote.

- Turn the ignition key to the **IGNITION ON (RUN)** position.
- Press the **PANIC/AUX** button and then the **START/STOP** button for three seconds (the parking lights will flash once).

To verify whether the system is in cold weather mode:

Press and release the brake pedal:

If the vehicle is in cold weather mode, the parking lights will stay on while the pedal is pressed.

Advanced Features: Installation-programmable Options

The remote starter was designed with flexibility and OEM integration in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

Caution: The programming of your system should be left to a professional. Changing any one of the settings may affect the operation of your remote starter.

The installation-programmable options are as follows:

Remote Door Locks	Ignition Re-lock
Priority Door Access	Secure Lock
Passive or Active Arming	Turbo Mode
Starter Kill / Anti-grind feature	Remote Trunk Release
Horn Chirp Timing	Engine Run Time
Safe Start	Extended run time
Ignition-controlled Door Locks	Multi-car Operation

Remote Door Locks

If your remote starter was installed with the remote door locks option, you will have the convenience of remote keyless entry. See section **Arming and Disarming the Remote Starter**, on page 4, for further instructions on remote door locking and unlocking.

Priority Door Access

If the remote door locks option is installed on your vehicle, this safety feature allows you unlock solely the driver's door with a single press of the **UNLOCK** button on the transmitter; upon a second press of the **UNLOCK** button, all the other doors will unlock.

Active or Passive Arming

The starter kill can be configured either to passive mode (so as to arm automatically) or active mode (so as to require user intervention for arming). By default, your remote starter is configured to **passive mode**. In passive mode, the starter kill will automatically arm **60 seconds** after the last door is closed. The remote starter will not arm if a door is left open, or if you re-open a door within the 60-second delay.

Important note: When the remote starter re-arms automatically, you can disarm the When the remote starter by simply pressing the **UNLOCK** button.

The Starter Kill and the Anti-grind Feature

With this added security feature, the system will prevent your vehicle from starting with the ignition key when the starter kill is armed. If your remote starter was installed with the starter kill option, one will not be able to start your vehicle with the key unless the system has been unlocked and disarmed first, or put into valet mode.

Note: If the starter kill is installed, your vehicle will benefit from a protection against starter motor damage that could occur after remote-starting the engine should the user, by force of habit, turn the ignition key to the **CRANK** position.

Flashing LED

The user may decide to turn on or off LED flashing at any moment. To do so, simultaneously press and hold the **LOCK** and **UNLOCK** buttons on the transmitter. Keep holding the buttons until the parking lights flash three (3) times. At that point release the buttons. The LED will toggle to its next state –i.e.: ON/OFF:

There are three programmable options regarding the flashing LED:

- i. The LED flashes once the starter kill is activated (passive or active arming) and will turn itself off once the user turns the key to the **IGNITION ON** position.
- ii. The LED is totally disabled and will not flash –it will turn on solid however when in valet mode.
- iii. The LED will flash once the starter kill is activated but requires pressing the **UNLOCK** button to turn itself off. Failure to press the **UNLOCK** button will make the LED flash even if the key is in the **IGNITION ON** position.

Safe Start

If this feature is enabled, the user must press the **START/STOP** button 2 times within 3 seconds to remote-start the vehicle. This will eliminate accidental remote starts, e.g. when children are playing with the transmitter.

If **swap start mode** is selected, to remote-start your vehicle, press the **PANIC/AUX** button and then the **LOCK** button. The **AUX 2** output can be activated by pressing the **START/STOP** button.

Ignition-Controlled Door Locks

This is an added security feature. If your remote starter was installed with the ignition-controlled door locks option, the doors will automatically be locked as soon as the ignition key is turned to the **IGNITION ON (RUN)** position while the brakes are pressed. When the key is turned to the **OFF** position, the doors will automatically be unlocked.

Ignition Re-lock

On remote starters of this series, when ignition-controlled door locks are enabled and the ignition key is in the **IGNITION ON (RUN)** position, should any door be unlocked and opened, all doors will be relocked next time the brake pedal is pressed.

Secure Lock

Before it can remote-start your vehicle, the remote starter must first disarm the factory security system. The secure lock feature may be required on certain vehicle models with factory security systems that automatically unlock the doors when the security system is disarmed.

To keep your vehicle protected when the factory security system is disarmed for a remote start, secure lock will relock your doors as soon as the vehicle has started. Once the engine run cycle ends, secure lock will rearm your factory security system.

Turbo Mode

When left in turbo mode, the remote starter will keep the engine running for 60 seconds before shutting it down. This is to allow a turbocharger to idle down after the user leaves the vehicle. See

Turbo Mode section on page 5.

Remote Trunk Release

If your system was installed with the remote trunk release option, you can open your trunk by pressing the **TRUNK** button.

Engine Run Time

If you have a gas engine, your remote starter can be programmed to run the engine for 4, 15, or 25 minutes (15 minutes by default). If you have a diesel engine, the remote starter can be programmed to run the engine for 9, 20, or 30 minutes (20 minutes default).

Extended Run Time

While the vehicle is running under a remote start, **pressing and holding the START/STOP button for more than 3 seconds** will reset the run time counter to zero and restart the run time cycle from the beginning. The parking lights will flash three times and the horn (if configured) will honk once.

The extended run time procedure can only be carried out once per remote start.

To stop the vehicle, at any moment, simply press the START/STOP button.

Example: If your remote car starter is programmed for a run time of 4 minutes and your vehicle has been running for 3 minutes already, pressing the START/STOP button will reset the counter to zero and allow the engine to run for another cycle (in this case, 4 minutes).

Multi-car Operation

This option allows the owner of two vehicles, both equipped with the same remote starter model, to control both systems with a single remote control. To control the second vehicle:

Note: Your remote control must be configured for second car operation by the installer.

Press TRUNK + LOCK buttons simultaneously:..... LOCK
Press TRUNK + UNLOCK simultaneously:..... UNLOCK
Press TRUNK + START/STOP simultaneously:..... START
Press TRUNK + START/STOP simultaneously:..... STOP
Press SHIFT > SHIFT > TRUNK: TRUNK

Or

Press PANIC/AUX > PANIC/AUX > + LOCK: LOCK
Press PANIC/AUX > PANIC/AUX > + UNLOCK: UNLOCK
Press PANIC/AUX > PANIC/AUX > + START/STOP: START
Press PANIC/AUX > PANIC/AUX > + START/STOP: STOP
Press PANIC/AUX > PANIC/AUX > + TRUNK: TRUNK

Troubleshooting Poor Transmitting Range

Many factors may affect the operating range of the transmitter. Some of these are:

The condition of the battery in the transmitter.

The operating environment (for example: downtown radio-frequency noise, airports, cellular phone towers...)

Metal: any type of metal will affect operating range. This includes the metal in the car.

The shape of the vehicle can affect range as well; vans in general have an especially poor range.

The shape of the roof and A-pillars brings about considerable radio-frequency deflection (in this case the signal from the remote control). As a result, the direction in which the vehicle is facing in relation to the remote control can affect the range. Straight on – standing in front of the vehicle – generally gives you the greatest range; the second best performance is from the back. Using the remote control from either side of the vehicle will usually give the lowest range.

The range will be significantly lower in a crowded parking lot than in open space.

Always hold the transmitter high, approximately at shoulder height. Holding the transmitter against your chin will also increase your range: your head acts as an antenna.

The operating range will be somewhat lower on vehicles equipped with an aftermarket or factory alarm.

LIMITED LIFETIME WARRANTY

REMOTE STARTERS:

As the manufacturer, 160031 Canada Inc. ("Autostart") warrants to the original consumer purchaser only (**nontransferable**) that the remote starter module (control box) shall be free from defects in materials and workmanship for as long as the original consumer purchaser continuously owns the vehicle in which the remote starter was originally installed, as specified below:

- 1) For the first year after the date of manufacture, as specified by the serial number on the module, Autostart will replace the remote starter module free of charge with a new remote starter module.
- 2) For the second year after the date of manufacture, as specified by the serial number on the module, Autostart will replace the remote starter module free of charge with a repaired or refurbished remote starter module.
- 3) For the third year and any consecutive year after the date of manufacture, as specified by the serial number on the module, Autostart will provide to the original consumer purchaser a repaired or refurbished remote starter module, for a repair charge of \$35.00 plus applicable taxes.

In all cases, the consumer must return the remote starter module to the point of purchase, and must provide a copy of the proof of purchase to said retailer. A remote starter module will be returned to the retailer for the consumer to claim within a 4 (four)-week period. For case (3), a cheque in the amount of \$35.00 plus applicable taxes must accompany the remote starter module, or the retailer may refuse the return.

ACCESSORIES:

Autostart warrants to the original consumer purchaser only (**nontransferable**) that it will replace any Autostart accessory part for a one-year period from date of purchase. Accessories will only be replaced if proven defective in material or workmanship, and if, when the accessory is returned to the point of purchase, the retailer is provided with a copy of the proof of purchase. The accessory will be sent to the retailer for the consumer to claim within a 4 (four)-week period.

THE WARRANTY IS VOID IF:

- 1) The product has been damaged, altered in any way or tampered with, without the explicit written consent of an Autostart technician. For remote starter modules, this includes the opening or removal of the plastic covering of the module, or the removal or alteration of the barcode label on the plastic covering of the module.
- 2) The product is damaged due to accident, fire, flood, shipping and handling, misuse, neglect, or other conditions beyond the control of Autostart.
- 3) The product has been installed or repaired by anyone other than a certified technician.
- 4) The product has been improperly installed or used.

THE WARRANTY DOES NOT COVER:

- 1) Batteries.
- 2) Scratched or worn transmitter cases.
- 3) Installation and/or removal charges for all remote starter modules and accessories.
- 4) Shipping and handling charges incurred for product exchange or replacement.
- 5) Any material damages other than to the product itself.
- 6) Harnessing, L.E.D. lights, switches, inverters, relays, etc.

THIS LIMITED LIFETIME WARRANTY SHALL CONSTITUTE THE SOLE LIABILITY OF AUTOSTART FOR OUR PRODUCTS, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. THERE ARE NO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO PERSON, FIRM OR CORPORATION IS AUTHORIZED TO ASSUME FOR AUTOSTART ANY OTHER LIABILITY WITH RESPECT TO THE SALE OR USE OF OUR PRODUCTS. AUTOSTART'S LIABILITY, WHETHER BASED ON CONTRACT, TORT, WARRANTY, STRICT LIABILITY, OR ANY OTHER THEORY, SHALL NOT EXCEED THE PRICE OF THE INDIVIDUAL UNIT WHOSE DEFECT FOR DAMAGE IS THE BASIS OF THE CLAIM. UNDER NO CIRCUMSTANCE WILL AUTOSTART, ITS DISTRIBUTORS OR THEIR AGENTS BEAR ANY LIABILITY WHATSOEVER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

The parties hereto elect that any dispute regarding the present document be submitted to the appropriate Court located in the Province of Quebec, District of Montreal. The parties hereto agree that this document is governed by and interpreted in accordance with the law of Quebec. If the purchaser is located in a province of Canada other than Quebec, all matters dealing with the warranty of quality will be governed by and interpreted in accordance with the law of Ontario. If the purchaser is located outside Canada, all matters dealing with the warranty of quality will be governed by and interpreted in accordance with the United Nations Convention on Contracts for the International Sale of Goods (the "Vienna Convention").