

left open, the **ASTROSTART** will give one short blast of horn and will protect vehicle with the remaining inputs in operation. The L.E.D. indicator will flash with a code to indicate the defective input (see below). Once corrected, another blast of horn will show correct status of alarm.

- **TO DISARM IN ACTIVE MODE** : Before re-entering vehicle, hold button (2) for one second, release it one second and depress button (1) for one second. Alarm will be disarmed and doors will unlock (optional). One blink of parking lights will confirm disarming. Also, opening the trunk will disarm the alarm and unlock all doors.

- **WHAT IF ALARM HAS BEEN TRIGGERED ?** To stop, disarm by holding button (2) one second, release one second and press button (1) for one second. The L.E.D. indicator will show a group of flashes giving you the history of what has happened. Depress brake pedal to reset L.E.D. indicator. When alarm has been triggered, engine will stop if started by remote. For one minute, the alarm will sound and vehicle starter will be "locked out". Once alarm cycle is over, the system will bypass non-activated detection zones/contacts (ie. door left open) and try rearming with the remaining detection zones.

Groups of 2 flashes : Doors
Groups of 3 flashes : Hood
Groups of 4 flashes : Detectors (optional)
Groups of 5 flashes : Ignition key (**ACTIVE MODE**)

- **PASSIVE MODE (AUTOMATIC)** : To go into **PASSIVE MODE**, press and hold (2) one second, release one second and hold (2) again for one second. Horn will blast and parking lights will blink one short and one long pulse. In **PASSIVE MODE**, all detection zones but the hood activate an entry delay (programmable to 15 or 30 seconds).

- **TO ARM IN PASSIVE MODE** : The system automatically arms if you turn OFF ignition key and leave your vehicle. Disarm it by turning the ignition key back ON during the entry delay. Arming/locking is also possible using the remote control. The L.E.D. indicator will flash slowly to confirm status.

- **TO DISARM IN PASSIVE MODE** : Use the remote control or turn ON the ignition key during the entry delay (15 or 30 seconds programmable). The L.E.D. indicator will flash rapidly to indicate an open door during entry/exit.

- **TO RETURN TO ACTIVE MODE** : To go to **ACTIVE MODE**, press button (2) twice. Horn will blast and parking lights will blink one long and one short pulse, followed by two blinks/one blink to confirm armed/disarmed status.

LIMITED ONE YEAR WARRANTY

Products manufactured by **ASTROFLEX INC.** are warranted to the original consumer purchaser to be free from defects in workmanship and material for a period of one (1) year. **ASTROFLEX** shall repair or replace the product or any part of the product which **ASTROFLEX** agrees is defective without charge provided the product is returned to **ASTROFLEX** freight prepaid and accompanied by a copy of the purchase receipt. The warranty described in the paragraph above shall apply to all products manufactured and sold by **ASTROFLEX**. This warranty does not apply to any product damaged by accident, physical or electrical misuse or abuse, improper installation, alteration, any use contrary to its intended function, unauthorized service by anyone other than **ASTROFLEX** or its authorized service personnel. **ASTROFLEX** shall not be responsible for removal and/or reinstallation charges, damage to or theft of the vehicle or its contents, or any incidental or consequential damages caused by any failure of the product to function properly. Neither this warranty, nor the product covered by it, should be construed as an insurance policy against loss.

Due to continuing product improvement, specifications and design are subject to change without notice.

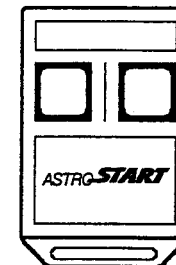
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ASTRO**START**

REMOTE CONTROL
ENGINE STARTER

Model :
RS-1A



OWNER'S MANUAL

FOR VEHICLES EQUIPPED WITH AUTOMATIC TRANSMISSION ONLY.

Guide de l'Usager en français disponible.

A quality remote control engine starter has just been installed in your vehicle. With its microprocessor-controlled electronics, this unit will provide years of reliable, trouble-free service. For your safety, access to the remote starter functions is protected by over 265 MILLION possible transmission combinations. For your convenience, all functions are operated by remote control. Read the following descriptions carefully as all available features are listed below. Some may not be installed or applicable to your vehicle.

Made in Canada by :

ASTROFLEX Inc.


First, please take note of these **SAFETY** reminders :

- Keep transmitter out of children's reach.
- Always advise service personnel that this vehicle is equipped with Astrostart.
- Do not use Astrostart in an enclosed area.
- Check local legislation that would prohibit leaving a running vehicle unattended on public streets.
- For proper Astrostart operation, regular engine tune-ups are recommended.
- Always turn unit OFF when vehicle is being serviced or when not being used for extended periods.

Now you are ready to try out your new Remote Engine Starter. Adjust accessories (heater and A/C) to desired settings, shift transmission to Park "P" position and exit vehicle.

OPERATION

TO:	PRESS BUTTON
- START, WITHOUT HORN ACKNOWLEDGE	1 THEN 1 AGAIN.
- START, WITH HORN ACKNOWLEDGE	1 AND 2 TOGETHER.
- ACTIVATE CONTINUOUS (IDLE) MODE	1 THEN 1 AGAIN.
- STOP ENGINE	1
- START / STOP PANIC MODE	1 AND 2 TOGETHER AND HOLD UNTIL ACTIVATED.
- ENABLE / DISABLE ENGINE COLD TEMPERATURE SENTINEL	1 AND HOLD UNTIL ACKNOWLEDGED BY HORN.
- LOCK DOORS WITHOUT ARMING ALARM *	2
- LOCK DOORS AND ARM ALARM *	1 THEN 2
- UNLOCK DOORS AND DISARM ALARM *	2 THEN 1
- OPEN TRUNK, UNLOCK DOORS AND DISARM ALARM *	2 AND HOLD UNTIL TRUNK OPENS.
- ALARM PASSIVE (AUTOMATIC) MODE ENABLE / DISABLE	2 THEN 2 AGAIN. HORN WILL ACKNOWLEDGE.
- PULSED OUTPUT CONTROL *	2 THEN 2, THEN 2 AGAIN.



* DOOR LOCK MODULE REQUIRED

NOTE: TO USE THIS TRANSMITTER:
 Push 1st button required : 1 second
 Release and wait : 1 second
 Push 2nd button required : 1 second
 (if necessary)

- **TRANSMITTER** : A 12 volt alkaline lighter battery (GP23A) powers your remote. Under normal use, it should last approximately one year. To help check range, the disable switch L.E.D. indicator will flash rapidly when transmitter is activated. When range decreases or when unit stops working, this may signify a weak battery that needs to be replaced. Range may also be affected by location (ie crowded parking lot, some metal structures, electric poles, etc.). Using microprocessor-controlled CODE-LEARNING, up to three (3) additional **ASTROSTART** transmitters can be added at any time (for a total of 4). See your local dealer.

- **TO START VEHICLE WITH HORN ACKNOWLEDGE** : Press button (1) and (2) together for one second and release. Activation is acknowledged by flash of parking lights and short blast on horn. Engine will crank * and start. Engine running is acknowledged by 2 flashes of parking lights and 2 short blasts on horn. Parking lights stay on and engine will run for chosen run time (programmable choice of 5,10,15 or 20 minutes). When ready, get in your vehicle and turn ON the ignition key to drive away as usual. If engine does not start, **ASTROSTART** will wait a few seconds then retry (up to two more times) and wait for next activation if unsuccessful. If engine is impossible to start due to a mechanical or battery problem, the main switch's L.E.D. will flash slowly and unit will not restart until brake pedal is depressed.

* **ASTROSTART** automatically adjusts cranking cycle to match vehicle requirements.

- **TO START VEHICLE WITHOUT HORN ACKNOWLEDGE** : Depress button (1) for one second, release one second and depress again for one second.

- **TO STOP ENGINE** : Holding button (1) for one second sends signal to stop engine provided it was started by remote. Parking lights will go OFF. For your **SAFETY**, engine will stop and/or will not restart if it over-rev's, if brake pedal is depressed, if transmission is shifted out of PARK/NEUTRAL or if hood is open.

- **TO ACTIVATE CONTINUOUS (IDLE) MODE** : Activate when engine is running by depressing button (1) for one second, release one second and depress (1) again. Once parking lights come ON, you can leave your engine idling, remove your keys and lock doors. Steering column remains locked and all security features are active. Astrostart will keep engine running for chosen run time with preset accessories or until brake pedal pressed or gears changed. When returning to running vehicle, insert key and turn to RUN position. Drive away as usual and **ASTROSTART** will shut OFF by itself.

- **TO ACTIVATE PANIC MODE** : Press buttons (1) & (2) simultaneously until panic mode activates. Horn honks and lights flash to attract attention or to help you

locate your vehicle in a crowded parking lot. Repeat same sequence to stop PANIC MODE. If car was started by remote, the engine will shut down. If it does not activate within 3 seconds, release and try again.

- **TO ENABLE ENGINE SENTINEL** : Press and hold button (1) until acknowledged by 2 short blasts of horn with parking lights. To turn OFF Sentinel, repeat same operation until acknowledged by one short blast of horn with parking lights. If engine block temperature falls below 0 °F (-18 °C), engine will automatically start and run for the chosen runtime (5,10,15 or 20 minutes). This ensures easy and consistent cold weather starting. There will be no acknowledge from horn and pre-set accessories will not come ON. Starting engine by remote or depressing the brake pedal disables Sentinel mode.

- **TO LOCK DOORS (optional)** : To lock doors without arming the alarm (if used), depress button (2) for one second and release. To lock doors and arm the alarm (if used), press on (1) one second, release one second and depress (2) for one second.

- **TO UNLOCK DOORS (optional)** : To unlock doors, hold (2) for one second, release for one second and press on button (1) for one second. The alarm system, if used, will be disarmed.

- **TO OPEN TRUNK (optional)** : Hold button (2) until trunk opens. All doors will unlock and alarm, if used, will be disarmed.

- **AUTOMATIC DOOR LOCK (optional)** : This feature locks your doors automatically when all doors are closed and transmission is shifted out of PARK/NEUTRAL.

ALARM

The **ASTROSTART RS-1A** is also one of the finest alarm systems available. For your convenience, there are two ways to operate it : manual arming/disarming by remote control **ONLY (ACTIVE MODE)** or automatic arming/disarming (**PASSIVE MODE**) with ignition key. It protects your vehicle and its content by monitoring all doors and the hood. Optional detectors can be added for better protection. To prevent false triggering, these detectors are cut off when engine is started and running. Let's begin by describing the **ACTIVE MODE** :

- **TO ARM IN ACTIVE MODE** : After leaving vehicle, hold remote control's button (1) for one second, release one second and hold button (2) for one second. Two blinks of parking lights will confirm arming and the main switch L.E.D. light will flash slowly. Doors will lock (if option installed). Alarm will be triggered instantly by all inputs. If door or hood is