

REMOTE CONTROL “QS SERIES” ENGINE STARTER

USER MANUAL

Model QS-5



For all automatic
transmission gas-
and diesel-powered
vehicles.

(FRANÇAIS AU VERSO)



**CONSULT THE SAFETY PRECAUTION SECTION
BEFORE USING THIS PRODUCT.**

**NEVER INSTALL THIS PRODUCT ON A
MANUAL TRANSMISSION VEHICLE.**

**SOME FEATURES MAY REQUIRE
ADDITIONAL MATERIAL (NOT INCLUDED).**

NOS DE BREVETS
CAN 1.130.426
É.-U. 4.345.554 - 5.614.883
- 5.617.819 - 5.673.017

ET AUTRES BREVETS EN INSTANCE

GOVERNMENT REGULATIONS

This device complies with the requirements of Industry Canada (IC) - Management of Radiofrequencies, as specified in document CNR-210. Its use is authorized only on a no-interference, no-protection basis; in other words, this device must not be used if it is determined that it causes harmful interference to services authorized by IC. In addition, the user of this device must accept any radio interference that may be received, even if this interference could affect the operation of the device.



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 interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Warning:

Changes or modifications not expressly approved by <manufacturer> could void the user's authority to operate the equipment.

1164, Route 220
St-Élie d'Orford (Québec)
Canada, J0B 2S0

516A Elm Street
Manchester, NH 03101
USA

**THANK YOU FOR CHOOSING A “QS SERIES”
PRIVATE LABEL REMOTE CAR STARTER!**

Like you, we are concerned with the environment. This is why we are suggesting you to use the two-minute runtime when you remote-start your vehicle to warm up engine fluids.

You can set the runtime yourself using your transmitter.

We take this opportunity to remind you to properly defrost your windows and remove all the snow on your vehicle before driving on public roads.

Rolling igloos are extremely dangerous!

We wish you an excellent journey with your remote engine starter!

Table of contents

SAFETY PRECAUTIONS 2

BEFORE USING YOUR REMOTE STARTER 2

THE REMOTE CONTROL 3

USING YOUR REMOTE CONTROL 3

BATTERY REPLACEMENT 3

TABLE OF COMMANDS 4

START COMMANDS 5

LOCK/UNLOCK COMMANDS 7

OTHER COMMANDS 8

SAFETY CHECKS 10

HOOD SWITCH 10

GEARSHIFT CHECK 10

REPLACING OR BOOSTING VEHICLE BATTERY 10

SAFETY PRECAUTIONS

Before using this product, carefully read the following safety precautions.

- Immediately report any malfunction to the dealer that performed installation.
- Under no circumstance can this product or its use be modified.
- Always turn off main switch when vehicle is parked in an enclosed, unventilated area or is in for servicing.
- Always turn off main switch when not using your Remote Starter for extended periods of time.
- Keep remote controls away from children.
- Have your engine tuned regularly to ensure optimum performance of your Remote Starter.
- Make sure your windshield wipers are turned off before leaving vehicle.
- Regularly check safety features that stop engine (see "SAFETY CHECKS" on page 10.)
- Make sure you comply with all local regulations that may prohibit leaving your engine running when vehicle is unattended in a public place.
- Always advise service personnel that your vehicle is equipped with a Remote Starter.
- We strongly recommend that you have your Remote Starter checked annually. Contact the dealer in your area.

BEFORE USING YOUR REMOTE STARTER

Before leaving your vehicle, set the various controls in order to use your Remote Starter.

- Set heating/air-conditioning controls to desired position. (When the remote starter starts your engine, it will also turn on your climate control system.)
- Turn your windshield wipers to the "OFF" position.
- Make sure gearshift is in "P".

THE REMOTE CONTROL

Your remote control has been designed to fit the natural contours of your hands so that it is easier to use. It works off three long-life lithium batteries.

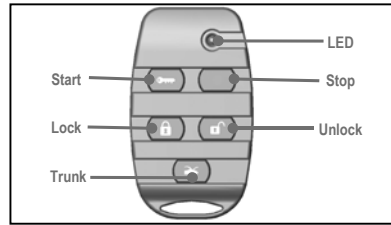
With its electronic CODE LEARNING feature, up to three additional remote controls can be programmed for your vehicle. Those remotes can control two vehicles separately. See your dealer for replacement batteries or additional remote controls.

NOTE: The range of your remote control can be affected by a weak battery, interference from nearby metal structures, hydro poles, or crowded parking lots.

USING YOUR REMOTE CONTROL

Your remote control can transmit on two different channels, allowing control of two separate vehicles.

The remote control produces visual confirmations (through an LED) to indicate that the command has been transmitted.



CHANNEL 1:

To transmit a command on channel 1, press desired button for two seconds.

CHANNEL 2:

To transmit a command on channel 2, press desired button, then as soon as the LED flashes once, release the button for a moment then press it again and hold it down for two seconds.

The command will not be executed if you do not press button long enough.

Only one command will be transmitted even if a button is held down for more than two seconds.

The remote control shown here may differ from the one included in the kits.

BATTERY REPLACEMENT

Your remote works off three 3-volt lithium CR-2016 batteries or equivalent.

We strongly recommend that you keep a replacement set in your glove compartment.

To replace the batteries, remove screw on back of remote case, remove old batteries and replace with new ones.

Make sure that batteries point the right way; see illustration opposite or inside the remote casing.

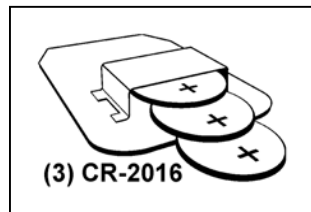














TABLE OF COMMANDS

COMMANDS	BUTTONS (PICTOGRAM)	CONFIRMATION	
		HORN	LIGHTS
START / CONTINUOUS MODE		1♥	1
STOP ♣			1
LOCK		1♥	1
UNLOCK			2
TRUNK			3
ACTIVATE / DEACTIVATE SENTINEL MODE			4/2/3 ♣
ACTIVATE / DEACTIVATE UTILITY # 1			1
ACTIVATE / DEACTIVATE UTILITY # 2			1
RUNTIME ADJUSTMENT			1 - 4
PRESET TEMPERATURE ADJUSTMENT			1 - 4
CAR FINDER		7	3
DISPLAY REMOTE START FAIL CODES			1 – 15
<p>♥. THIS CONFIRMATION IS ONLY SENT WHEN COMMAND IS REPEATED WHILE ENGINE IS ALREADY RUNNING.</p> <p>♣. 4 = ACTIVATED / 2 = DEACTIVATED / 3 = SYSTEM NOT READY.</p> <p>♣. THIS COMMAND ENDS THE RUNTIME</p> <p>♥. THIS CONFIRMATION IS ONLY SENT WHEN LOCK COMMAND IS REPEATED (PROGRAMABLE DURING INSTALLATION).</p>			

CONFIRMATION

In all cases, your Remote Starter will confirm that the command has been received properly. This will be done by either sounding the horn or flashing the parking lights. In this manual, confirmation signals are written in an abbreviated form; for example:

(horn 1, lights: 2) means that the horn will sound once and the parking lights will flash twice.

Parking light confirmations are mandatory. Horn confirmations are optional (programmable) and require an additional connection and equipment during installation.

Confirmations are explained in more detail under each command.

START COMMANDS

STARTING THE ENGINE

To start the engine, press "" button (horn: 0, lights: 1).

The system automatically adjusts ignition duration for your type of vehicle; parking lights flash once (duration: four seconds) then stay on all the time engine is running.

If more than one command is emitted, each successive start command resets runtime to the beginning, parking lights flash once to confirm command has been received and horn sounds once to let you know engine is already running.

Repeating this command will produce an audible (horn) confirmation that engine has started, which can be useful if vehicle is not in sight.

IF ENGINE FAILS TO START

If your remote control system cannot start your engine at first attempt, it will wait for a few seconds and then try again (it could try again twice depending on reason for failure to start).

After three attempts, it will shut down automatically and wait for new command (see "Start fail Codes" on page 9).

UPON ENTERING YOUR VEHICLE...

- Do not apply brakes; this will stop engine immediately.
- Insert ignition key and turn it to "ON" position.



DO NOT TURN THE IGNITION KEY TO THE "START" POSITION.

- Drive as usual.

ENGINE RUNTIME

Your engine will stop automatically after a preset time. Parking lights will stay on as long as engine is running. Engine runtime is programmable.

TRIGGER INPUT

Your remote starter is equipped with a negative trigger (pulse) input.

This input can be connected to another remote control device or to a timer output (optional).

If this input is connected, consult this device's manual or ask your technician which command controls the start/stop function.

The start/stop commands received on this input are ignored while the engine is running on a remote start.

All Start/Stop functions controlled by this input behave in the same way as functions controlled by remote.



CONTINUOUS MODE 

The "Continuous Mode" function allows to remove the key from the ignition while leaving the engine running. This convenient feature allows you to leave the vehicle for short periods of time while the climate controls remain on.

To access the "Continuous Mode", carry out the "Start" command while the engine is idling. See "STARTING THE ENGINE" on page 5.

Parking lights, engine and preset accessories will remain on for the duration of the programmed runtime (see "Setting the runtime" on page 7).

Remove key, exit vehicle and lock doors. All safety devices will remain active.

If you return to your vehicle before runtime has elapsed, just turn the key to the "ON" position and depress brake pedal.

WHAT STOPS THE ENGINE

For your safety, the engine will not start or will stop if:

- Remote control sends a stop message.
- Hood is open.
- Brakes are applied.
- Engine is over-revving.
- Main switch is **OFF**.

MAIN SWITCH

The main switch is usually mounted under the dashboard. It is a toggle **ON/OFF** switch that is used to cancel start functions.

It does not disable other commands that remain active.



**STOP **

When the engine is kept running by Remote Starter, you can stop it using the Stop command (lights: 1).

LOW TEMPERATURE MODE  

In Low Temperature (Sentinel) mode, system starts your engine automatically when temperature falls below a preset level.

Engine will run for programmed runtime, after which system will wait 2½ hours and then start engine again if temperature is still below preset level.

To activate/deactivate Low Temperature mode, press "" and "" buttons simultaneously.

When mode is activated:



Parking lights will flash 4 times, then, if temperature is below preset level, the engine will start.

If temperature is above preset level, system waits until it goes below the preset level before starting. If the system cannot execute the command (for example, hood is open), confirmation will be different (lights: 3) (see "Start Fail Codes" on page 9).

When mode is deactivated:

Parking lights will flash twice to confirm that mode is deactivated. Applying brakes also deactivates Low Temperature mode.

START TEMPERATURE ADJUSTMENT  



To change preset temperature at which you want your Remote Starter to start engine, press “” and “” buttons simultaneously (lights: 1 - 4).

Parking lights will flash from 1 to 4 times to indicate selected start temperature (see table opposite).

If you send command when ignition has been turned on (by Remote Starter or key), preset start temperature does not change. However, confirmation is still sent to indicate last selection.

Number of Flashes	Preset start temperature
1	-5°C (23°F)
2	-15°C (5°F)
3	-20°C (-7°F)
4	-30°C (-22°F)

SETTING THE RUNTIME  

Press buttons “” and “” simultaneously (parking lights: 1 - 4).

Parking lights flash one to four times to indicate selected runtime (see table opposite).

If you send this command while the ignition circuits are activated (by remote or key), runtime does not change but confirmation is sent to indicate the last selection.

If Low Temperature (Sentinel) mode is already activated when this command is sent, the command sets or indicates Low Temperature mode runtime.

Number of flashes	Runtime
1	2 minutes ¹
2	4 minutes
3	8 minutes
4	18 minutes

Note: Runtime is doubled for a diesel engine.


LOCK/UNLOCK COMMANDS

If your vehicle is equipped with electric door locks, several functions can be operated by remote control. These features are optional and may require purchasing additional equipment. Consult your dealer for advice.


Following systems can be controlled:

- Door locks.
- Trunk or hatchback release.
- Interior lights.

LOCK 

Press “” button (lights: 1). Doors are locked and parking lights flash once to confirm command has been received. Horn confirmation is sent when command is repeated which allows to assure that system has received the command.

UNLOCK 

Press “” button (lights: 2). Doors are unlocked and parking lights flash twice to confirm command has been received.

The “Unlock” function can be programmed and connected in such a way that the first unlock command only unlocks the driver’s door, while a following unlock command unlocks the other door(s).


Dome light will turn on for 30 seconds every time “Unlock” command is sent.

This 30-second duration is cancelled when “Lock” command is sent, brakes are applied or key is inserted in ignition and turned to “ON” position.

This function is optional and requires an additional connection and equipment during installation.

¹ A runtime of 2 minutes (4 min. for a diesel engine) is not recommended for most vehicles unless you intend to drive off immediately after the remote start. This selection is not available in Low Temperature mode.

TRUNK RELEASE 

Press  button (lights: 3). Trunk is released and parking lights flash three times to confirm command has been received.

Trunk cannot be released if ignition key is in "ON" position. In this case, parking lights flash once to confirm that command has been received but trunk could not be released.

If you are not sure you have received confirmation, repeat command. System will repeat confirmation as often as you wish.

If your vehicle is equipped with a security system, the trunk release command could disarm it, remember to rearm it after trunk is closed ("Lock" command).

AUTOMATIC LOCK/UNLOCK

Programmable as **Active** or **Inactive** during installation.

This function locks doors when ignition key is in "ON" position, engine is running and brakes are applied. Doors are unlocked when key is turned from "ON" to "OFF" or when Continuous Mode is activated.

If "Unlock" function is set to unlock only driver's door on the first command, the "Automatic Unlock" function will unlock driver's door only. If dome light is connected to system, it is activated when an automatic unlock occurs.

This function is: Active Inactive .

OTHER COMMANDS**ANTITHEFT (CIRCUIT DISABLER)**


Programmable as **Active** or **Inactive** during installation.

Your Remote Starter is equipped with an Antitheft system. This system consists of an output that controls a relay that cuts all circuits required to operate your vehicle (optional connection). Two different type can be used.

"PASSIVE ARMING" TYPE ANTITHEFT

This type of Antitheft system arms automatically when ignition key is turned from "ON" to "OFF" and remains "OFF" for one minute. It can also be armed manually by sending a "Lock" command (unless ignition key is in "ON" position).

Disarming:

Antitheft system is disarmed for one minute when you send "Unlock" command .

If ignition key is not turned to "ON" position within one minute, system automatically rearms, thus preventing any intruder from starting your vehicle, even with ignition key.

It can be connected so that horn sounds if an intruder tries to start your vehicle when it is in the active state.

"ACTIVE" TYPE ANTITHEFT 

This type of Antitheft system arms by sending the "Lock" command (unless ignition key is in "ON" position) and disarms by sending the "Unlock" command.

UTILITY COMMANDS

Two additional commands control most of your vehicle's accessories, depending on which were connected during installation (headlight, defroster, etc.). For details, consult your technician.



COMMAND #1

To activate this function, press  and  buttons simultaneously (lights: 1).

The accessory associated with this command (_____) is then activated for 1 second , 1 minute or 8 minutes , depending on programming.

This duration can be cancelled by repeating command (lights: 1) or by applying brakes.

COMMAND #2



To activate this function, press  and  buttons simultaneously (lights: 1).

The accessory associated with this command (_____) is then activated for 1 second , 1 minute or 8 minutes , depending on programming.

This duration can be cancelled by repeating command (lights: 1) or by applying brakes.

CAR FINDER

Programmable as **Active** or **Inactive** during installation.

Press  and  buttons simultaneously (lights: 3, horn: 7). This function sounds **horn** (short tune) and flashes **parking lights** to help you locate your vehicle in a large parking lot.

START FAIL CODES

When a remote start attempt fails, it is possible to determine what caused the failure to start.

Press the  and  buttons simultaneously.

The number of times the parking lights flash corresponds to the start fail code.

The table below lists the various start fail codes.

Code	Failure to start details
1	Module has received a Stop command (remote or timer).
2	Brakes have been depressed during or after start sequence, or module overload
4	Engine does not crank when starting sequence is initiated.
5	Start command ignored because hood is open.
7	Start command ignored because key is in ignition (in "Run" position).
8	Remote starter's main switch is "OFF", or output overload
9	Run time has elapsed.
10	Remote starter attempted to start engine three times unsuccessfully.
11	Remote starter sensed engine was already running.
12	Engine is over-revving.
13	Engine not cranking fast enough during start sequence.

If any of these start fail codes persist, consult your dealer.

SAFETY CHECKS

In order to maintain a high safety standard, proceed with the following checks every month.

HOOD SWITCH

- Remote start your vehicle.
- Open hood.

Engine should stop as soon as hood is opened.

If engine does not stop immediately, turn main switch to **OFF** position **and leave it off until situation is rectified.** Contact your service center.

GEARSHIFT CHECK

If key must be in ignition for gearshift to be moved out of "P", your vehicle is safe as long as keys are kept away from children.

If, on the other hand, gearshift can be put in gear without key being in ignition, proceed with this simple check.

- Put gearshift in gear "D".
- Remain in the vehicle and be ready to apply brakes.
- Start vehicle with remote starter.
- Repeat these steps with gearshift in every position other than "P" and "N".

If starter reacts within 90 seconds (which would be abnormal), turn main switch to **OFF** position and leave it off until situation is rectified. Contact your service center.

- With gearshift in "P", start vehicle with remote starter.
- Remain in vehicle and **be ready to apply brakes.**
- **Without applying brakes,** move gearshift out of "P".

If, without applying brakes, engine does not stop immediately (which would be abnormal), turn main switch to "OFF" position **and leave it off until situation is rectified.** Contact your service center.

REPLACING OR BOOSTING VEHICLE BATTERY

If you have to replace or boost your battery for any reason, turn main switch to "OFF" position **and leave it OFF until battery is replaced or fully charged.**

**REVERSING POLARITY WHEN BOOSTING YOUR BATTERY
COULD PERMANENTLY DAMAGE YOUR REMOTE STARTER.**