

OWNER'S GUIDE



TITAN
REMOTE STARTERS

The logo features the word "TITAN" in a large, bold, metallic, 3D-style font. Above the letters is a thick horizontal bar. Below "TITAN", the words "REMOTE STARTERS" are written in a smaller, blue, blocky font.

TS 141A

The model number "TS 141A" is rendered in a large, metallic, 3D font with a blue and gold color scheme and a beveled, gear-like appearance.

ADVANCED REMOTE STARTER FOR AUTOMATIC TRANSMISSION ONLY



POWERED BY
TITAN
INNOVATIONS

The logo consists of the words "POWERED BY" in a small, blue, blocky font at the top. Below it is the word "TITAN" in the same large, metallic, 3D font as seen in the main logo. At the bottom, the word "INNOVATIONS" is written in a smaller, blue, blocky font.

www.titan-innovations.ca

Revision 1.01

Safety

VERY IMPORTANT SAFETY NOTES!

The owner/user **MUST INSTALL** a CARBON MONOXIDE DETECTOR in the living area near to where the vehicle is being stored or parked. It is the sole responsibility of the owner/user to keep the remote transmitters away from the reach of children and handle with care so that the system does not unintentionally start. When the vehicle is parked in an enclosed /partially enclosed area (ex: *garage, car port...*), being serviced (ex: *oil change*) or if the vehicle is loaned to an operator not familiar with a remote starter, the system MUST BE placed in Service (Valet) Mode.

MANUAL TRANSMISSION STARTERS the installation of a remote starter **MUST** only be done with a specified manual transmission starter. It is the sole responsibility of the vehicles owner to insure that the vehicle is left with the transmission in neutral position when the remote starter is in use. The manual transmission starter is designed to be an added measure of safety **ONLY!** The manufacturer does not guarantee or insure against any damages or loss of life that could result in the event of a remote starter starting while the vehicle is in gear. Manual transmission models are designed only to act as a deterrent against the vehicle starting in gear, this is the vehicle's owner's and operator's responsibility.

NEVER OPERATE THE SYSTEM IN AN ENCLOSED/ PARTIALLY ENCLOSED AREA!

SERVICE (VALET) MODE

System **Service Mode** will disable the remote starter. This will only effect the remote start portion of the system. The optional lock, unlock and trunk release features will still be operational. When the vehicle is to have any under hood or service work done, the system must be placed into **Service Mode**. This feature may also be used if a transmitter is lost, damaged or if the system malfunctions.

ENTERING SERVICE MODE

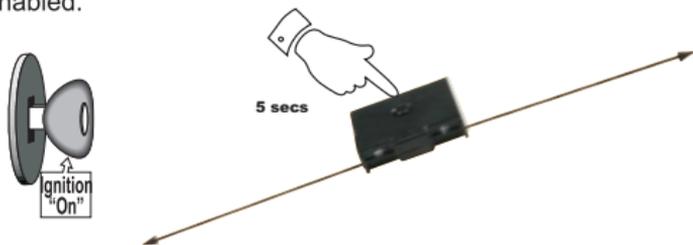
1. Turn the ignition key to the On position.
2. Press and hold the Program Button (Located on the antenna) for 5 seconds or until the horn (optional) honks five times.

NOTE: The LEDs on the antenna will turn on solid to confirm Service Mode. If the  button is pressed while the system is in Service Mode the park lights will flash 3 times slowly.

EXITING SERVICE MODE

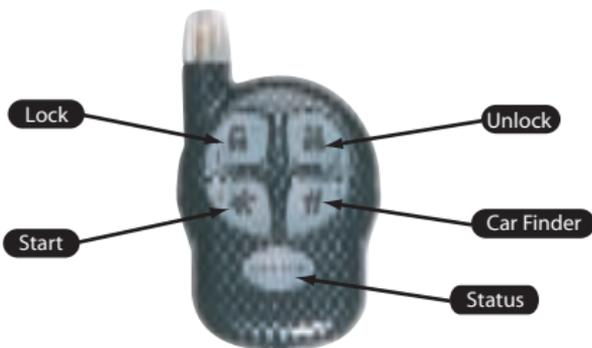
1. Turn the ignition key to the On position.
2. Press and hold the Program Button (Located on the antenna) for 5 seconds or until the horn (optional) honks two times.

NOTE: The LEDs on the Antenna will turn off and the remote starter functions will be re-enabled.

**ATTENTION:**

TO AVOID SERIOUS INJURY, this remote start system must be set into Service Mode before any under hood servicing is started. Service Mode will prevent the vehicle from starting while the vehicle is being serviced. It is the sole responsibility of the vehicle's owner to place the system into Service Mode. The manufacture accepts no responsibility for accidental starting of the vehicle while the vehicle is being serviced.

Button Operations

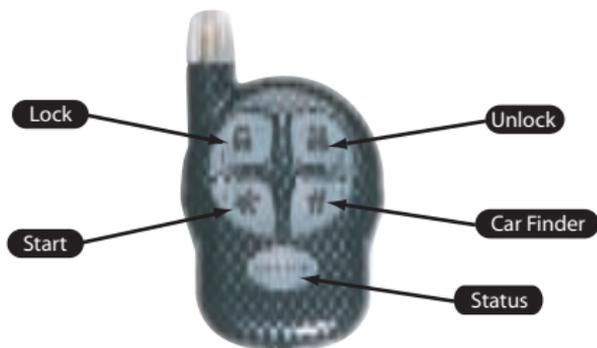


ACTION	FUNCTION
Press LOCK  button once	Locks doors* and activates Starter Disable**
Press LOCK  once then press and hold	Window Roll-up***
Press UNLOCK  button once	Unlocks doors* and deactivates Starter Disable**
Press and hold LOCK  for 3 sec	Remote panic*
Press and hold UNLOCK  for 3 sec	Trunk release*
Press LOCK  & UNLOCK  buttons simultaneously	Silent Lock or Unlock
Press START  button once	Remote engine starter on
Press and hold START  button for 3 seconds	Remote engine starter off
Press and hold the  button for 3 sec	Car finder*
Press  button once then  button for 3 sec	Timer Start mode on/off

* This feature is not available for all vehicles.

** Optional feature, requires additional parts & installation.

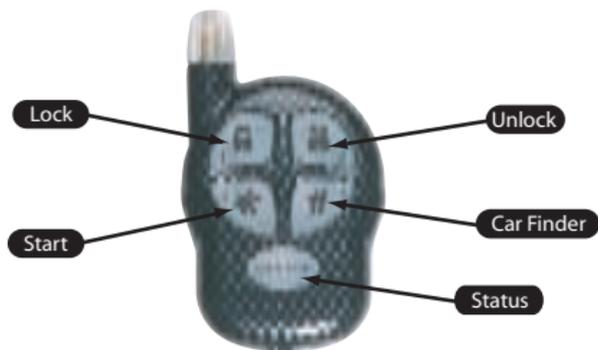
*** Vehicle must be equipped with factory window roll-up feature.



FUNCTION CONFIRMATION CHART

Whenever a command is sent to the vehicle by the transmitter, a confirmation is sent back using button flashes and beeps. Use the table below to identify the confirmations for all the different system functions.

Function	Button 1	Button 2	Button 3	Button 4	Button 5	Beep(s)
Lock	3 Flashes	x	x	x	x	1
Unlock	x	3 Flashes	x	x	x	2
Trunk	x	x	x	3 Flashes	x	3
Start	x	x	1 Flash	x	x	1
Running	On for 4 seconds	x	x	x	x	6
Stop	x	x	x	x	5 Flashes	5
Activate Cold Start Timer	on for 3 seconds		1			
Start Timer confirmation	3 Flashes*	3 Flashes*	3 Flashes*	3 Flashes*	x	x



CHECKING VEHICLE STATUS

A status check will tell you if your vehicle's doors are locked or unlocked, or if the vehicle is running and if so, approx. how much runtime is left.

To see vehicle status: **Press and release button 5 (Status button)**

Observe the transmitter's response and use the tables below to determine vehicle status.

- The first flash will indicate the status of the doors (locked or unlocked)
- If the vehicle is running under remote start, a second set of flashes will occur a few seconds later. This indicates approx. runtime left.

Status	Button 1	Button 2	Beep(s)
Doors Locked	On for 3 seconds	x	1
Doors Unlocked	x	On for 3 seconds	2

If the engine is running under remote start, your doorlock confirmation will be followed by a 'runtime left' indication. Use the chart below...

Runtime remaining	Button 1	Button 2	Button 3	Button 4	Beep(s)
75%-100%	On	On	On	On	3
50%-75%	x	On	On	On	3
25%-50%	x	x	On	On	3
0%-25%	x	x	x	On	3

LOCK

- A. Press LOCK  button momentarily.
- B. Parking lights will flash 1 time, horn will honk 1 time*, doors will lock.
- C. The LED on the antenna will begin to flash slowly.
- D. If the optional starter-disable circuit has been installed, it will activate as well.

UNLOCK

- A. Press UNLOCK  button momentarily.
- B. Parking lights will flash 2 times, horn will honk 2 times*, doors will unlock.
- C. The LED on the antenna will stop flashing. (If passive starter-disable is programmed, the LED will flash quickly for 60 seconds then rearm automatically.)
- D. If the optional starter-disable is installed, it will be deactivated to allow the vehicle to be started by key.

SILENT LOCK/UNLOCK

- A. Press both LOCK  and UNLOCK  buttons simultaneously.
- B. Parking lights will flash once or twice to indicate doors locking or unlocking.
- C. Any programmed horn confirmations are temporarily bypassed.

REMOTE START

- A. With the engine off, press the START  button.
- B. The parking lights will flash and the horn will chirp once*.
- C. The vehicle's ignition system will come on and within 3 seconds, the vehicle will start. (If vehicle does not start, see the diagnostics section for possible solutions.)
- D. The parking lights will flash 5 times to confirm a successful start.
- E. The vehicle will run for the programmed runtime (15 minute default). To change your remote starter runtime, contact your dealer.
- F. The vehicle can be remotely shutdown by pressing and holding the START button for 3 seconds.

TRUNK RELEASE --OPTIONAL--

The vehicle must be equipped with a power trunk release switch or a power sliding door to use this option.

- A. Press and hold the UNLOCK  button.
- B. The doors will unlock and after 3 seconds, the trunk release will activate.
- C. The trunk release can also be programmed to work independently on the CAR FINDER button. If programmed, press and hold the CAR FINDER  button for 3 seconds to activate trunk release.

2nd VEHICLE OPERATION

Your transmitter is capable of controlling a second TS141/TS151 system installed on another vehicle. (Requires some special programming, see your dealer for details.)

Switching control from one vehicle to the other is simple:

- A. Press and hold the  button, the transmitter's blue light comes on solid.
- B. Within 3 seconds, press any button to activate the corresponding feature for your second vehicle.
- C. The transmitter automatically defaults back to your primary vehicle after any command to the 2nd vehicle or if no command is issued within 5 seconds.

PANIC MODE

To use Panic mode, the vehicle's horn must be connected to your remote starter.

- A. Press the LOCK button for 3 seconds.
- B. The horn will sound and the parking lights will flash for 60 seconds.
- C. Pressing the LOCK or UNLOCK buttons will cancel Panic mode.

CAR FINDER

To use Car Finder mode, the vehicle's horn must be connected to your remote starter.

- A. Press and hold the CAR FINDER button for 3 seconds.
- B. The parking lights will flash and the horn will chirp 5 times.

NOTE: Car Finder option is not available when the trunk release option has been programmed to work on this button

IDLE MODE (CONTINUOUS RUN)

This option allows you to remove your key and leave the engine running up to the programmed runtime

- A. With the engine running, press the START button.
- B. The Horn will chirp twice* and the remote starter will come on.
- C. Remove the ignition key and the vehicle will stay running for the length of the programmed runtime (15 min. default)
- D. The vehicle can be shutdown anytime by holding down the START button for 3 seconds or by depressing the brake pedal.

TURBO MODE

This option allows for a cool down on turbo equipped vehicles.

- A. With the engine running, press the CAR FINDER  button. (Brake pedal must not be depressed)
- B. The parking lights will flash and the horn will chirp 2 times*.
- C. Remove the ignition key and the engine will continue to run for approximately 2 minutes.

VALET MODE

This mode disables remote starting and bypasses the starter-disable circuit (if installed).

- A. Turn the vehicle ignition key to the on position (you do not need to start the vehicle).
- B. Press and hold the button on the windshield antenna.
- C. After about 5 seconds, the parking lights will flash once and you will hear 5 chips from the vehicle's horn*.
- D. Turn the ignition key to the OFF position. The LED on the antenna will come on solid.
- E. The system should now be in VALET mode.
- F. To cancel VALET mode, repeat steps A and B. After 5 seconds, you will see 2 parking light flashes and the horn will chirp 2 times*.
- G. The system should now be out of VALET mode.

TIMER START MODE

This option allows you start your vehicle automatically at preset intervals over a 24-hour time period.

- A. Press and release the CAR FINDER button, then press and hold the START button for about 3 seconds until buttons 1 through 4 illuminate solid; the parking lights on the vehicle turn on as well.
- B. Within 5 seconds, select your start interval by pressing one of the 4 buttons on the transmitter. (See table below)
- C. Once you have selected your start interval, the appropriate button will flash 3 times to confirm the programming. The parking lights will flash as well.
- D. The vehicle will start every (your selection) hours for a period of 24 hours.
- E. To cancel timer start mode, repeat step 1. The parking lights will flash and the horn will chirp 2 times.*

NOTE: Starting the vehicle by key or by remote will automatically cancel timer start mode.

Button	Flashes on vehicle lights	Flashes on transmitter	Start interval
LOCK (button 1)	1 Flash	3 flashes on button 1	Vehicle with start every hour
UNLOCK (button 2)	2 Flashes	3 flashes on button 2	Vehicle will start every 2 hours
START (button 3)	3 Flashes	3 flashes on button 3	Vehicle will start every 3 hours
CAR FINDER (button 4)	4 Flashes	3 flashes on button 4	Vehicle will start every 4 hours

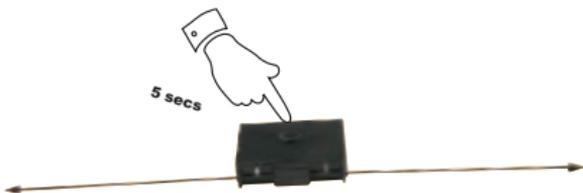
TRANSMITTER LEARNING

Important! The remote starter will hold 4 transmitter codes. It is recommended that when programming in transmitters, you fill up all four transmitter codes, even if only using one or two transmitters. This will clear all other transmitter coding from the unit and prevent stray coding or possible interference from other remote transmitters.

STEP 1 - Within 3 seconds turn the ignition key to the "ON" position three times leaving "ON" the third time.



STEP 2 - **Press and hold the Program Button.** The park lights will turn "ON" and the horn (optional) will honk once. **Continue to hold the Program Button**, the park lights will turn "OFF" and the horn (optional) will honk 5 times quickly.



NOTE: If the parking lights do not turn "ON", release the Program Button and turn the ignition to the "OFF" position, wait 5 sec and repeat steps 1 & 2.

STEP 3 - While holding the Program Button, press and release the  button on each of the remote transmitters to be programmed. If using two transmitters, code in each transmitter twice.

Diagnostics

If the remote starter does not activate when the * button is pressed, the park lights will flash a diagnostic code to indicate what shutdown input has been triggered.

Transmitter	Vehicle lights	Problem	Solution
x	3 slow flashes	System is in valet mode	Cancel Valet Mode
5 flashes on button 2	4 slow flashes	Door Open	Manual trans. models only
5 flashes on button 3	5 slow flashes	Ignition ON	Turn off Ignition key and try again
5 flashes on button 1	5 flashes	Brakeswitch engaged	Contact your product dealer
5 flashes on button 4	6 flashes	Hoodswitch (hood open)	Contact your product dealer
x	7 flashes	Tach lock-out	Start vehicle with key, after 5 sec. try again

BATTERY REPLACEMENT

When your starter system begins to show a significant reduction in transmitter range, or the remote does not respond correctly, it may be time to change the batteries. The transmitter uses 2 CR2032 3V Lithium batteries.

- Open the transmitter at the notch in the casing near the pin for the keychain. Use a small tool or a coin to gently pry the top and bottom apart.
- Once the 2 pieces are separated, slide out the 2 batteries under the battery clip.
- Replace with 2 new CR2032 Lithium batteries.
- Press top and bottom of casing together until they snap back in place.

If the transmitter shows no significant improvement after replacing the batteries, contact your product dealer to have the system inspected.

Limited Lifetime Warranty

The manufacturer warrants to the original purchaser of the remote starter and/or alarm, that the product shall be free from defects in material and workmanship. However, should this product be proven to be defective, within a three year period from the original date of purchase, the manufacturer will, without charge to the purchaser (excluding any charges incurred to have the product delivered to the manufacturer), repair or replace any part of the remote starter and/or alarm which the manufacturer agrees to be defective. After the initial three year period the manufacturer shall repair or replace defective products with a nominal processing fee of \$35.00 USD. All warranties apply to the original purchaser and the vehicle in which the unit was originally installed ONLY. Repairs or replacement of defective modules shall remain at the discretion of the manufacturer. All other parts, components, accessories, and/or optional equipment pertaining to the remote starter and/or alarm are not included in the manufacturer's warranty. **This warranty is non-transferable.** Request for warranty service from any Factory Authorized Dealer must be accompanied with the original purchase receipt. Failure to comply with any of these conditions may result in warranty being voided. This warranty does not cover the following: removal and reinstall labor charges, shipping charges, abuse, misuse, or accidental damages to the remote starter and/or alarm, automobile, and/or parts thereof. This warranty is void upon modification, repairs, or alterations to any part of the product. The manufacturer does not guarantee or insure against theft of the vehicle or its contents. Alarm models are designed only to act as a deterrent against possible theft. This alarm may qualify for auto insurance discounts. Contact your insurance agent for further information. The manufacturer shall not be held liable for any consequential damages due to breach of this or any other warranty, expressed or implied. This warranty gives you specific legal rights. Your specific legal rights may vary for each region.

CERTAIN DAMAGES EXCLUDED – The manufacturer expressly disclaims any liability or responsibility for incidental damages caused by the product, including economic loss, loss of use of the product, car rentals, or any other costs relating to the care and custody of the product. The manufacturer disclaims liability or responsibility for any consequential damages caused by the product or resulting from its use, including the cost of repairing or replacing other property damaged by the product or caused by its use, whether or not the product is working properly. The product is intended to deter unauthorized use of the vehicles in which it is installed. The manufacturer does not warrant that the product is fool-safe against theft and/or vandalism and/or human error or misuse. The manufacturer accepts no liability or responsibility for any damage of any kind whatsoever caused to any vehicle in which the product is installed or any resulting damage from its use. The manufacturer accepts no responsibility or liability for any damage resulting to or theft of the vehicle or its contents caused or alleged to be caused, directly or indirectly, by failure of the product.

MANUAL TRANSMISSION STARTERS – The installation of a remote starter in a manual transmission vehicle **MUST** only be done with a specified manual transmission starter. The manual transmission starter is designed to be an added measure of safety **ONLY!** The manufacturer does not guarantee or insure against any damages or loss of life that could result in the event of a remote starter starting while the vehicle is in gear. Manual transmission models are designed only to act as a deterrent against the vehicle starting in gear. It is the sole

FCC Notice

This device complies with Part 15 of the FCC rules. Operation of this device is subject to the following 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.
- (3) **CAUTION:** Changes or modifications not expressly approved by the part responsible for

Notes:

TS 141A

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FCC/ID Notice

This device complies with Part 15 of the FCC rules. Operation is subject to the following 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.

CAUTION: Changes or modifications not expressly approved by the part responsible for compliance void the user's authority to operate this device.

