

OWNER'S GUIDE



TITAN
REMOTE STARTERS

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

TS 151A

The model number "TS 151A" is displayed in a large, metallic blue font with a 3D effect and a gold-colored outline, matching the style of the main logo.

ADVANCED REMOTE STARTER FOR AUTOMATIC TRANSMISSION ONLY



POWERED BY
TITAN
INNOVATIONS

The logo consists of the words "POWERED BY" in a small, metallic blue font at the top. Below it is the word "TITAN" in a large, bold, metallic blue font with a 3D effect, and "INNOVATIONS" in a smaller, metallic blue font at the bottom.

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

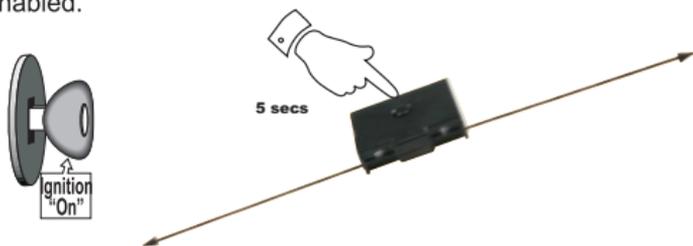
1. Turn the ignition key to the On position.
2. Press and hold the Program Button (Located on the antenna) for 5 seconds or until the horn (optional) honks five times.

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.

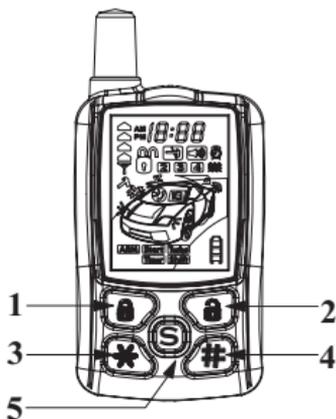
**ATTENTION:**

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

REMOTE CONTROL T99 (5 BUTTONS)

Button	Functions	Conditions
Press 1 once	Arming and lock doors Lock doors	Alarm is disarmed While driving
Press and hold 1 for 2 seconds	Remote panic	Anytime
Press 2 once	Disarming & unlock doors Unlock doors	Alarm is armed While driving
Press and hold 2 for 2 seconds	Trunk release	Anytime
Press 3 once	Remote engine starter on Idle mode on	Anytime ACC on and RPM on
Press and hold 3 for 2 seconds	Remote engine starter off Idle mode off	Remote start Idle mode
Press 4 once	Turbo mode on	Anytime
Press and hold 4 for 2 seconds	Car finder/ trunk release	Anytime
Press 4 once then 1 in 3 seconds	Set alarm and door lock for 15 seconds	Disarm
Press 4 once then 3 for 2 sec. follow by time	Remote timer mode on/off	Anytime/Timer start
Press 5 once	System status query	Anytime



T99 SETTING FUNCTION LIST

Button	Function	Setting
Press 3 and 4 for 2 seconds	Enter Program mode	Anytime
Press 5 once	Enter time of hour setting	Press button 1 for time increase Press button 2 for time decrease
Press 5 once	Enter time of minute setting	Press button 1 for time increase Press button 2 for time decrease
Press 5 once	Alarm clock ON/OFF	Press button 1 for alarm on Press button 2 for alarm off
Press 5 once	Enter alarm hour setting	Press button 1 for time increase Press button 2 for time decrease
Press 5 once	Enter alarm minute setting	Press button 1 for time increase Press button 2 for time decrease
Press 5 once	Setting backlight LED ON/OFF	Press button 1 for LED on Press button 2 for LED off
Press 5 once	Vibration motor ON/OFF	Press button 1 for vibration on Press button 2 for vibration off
Press 3 and 4 for 2 seconds	Exit Program mode	Program mode

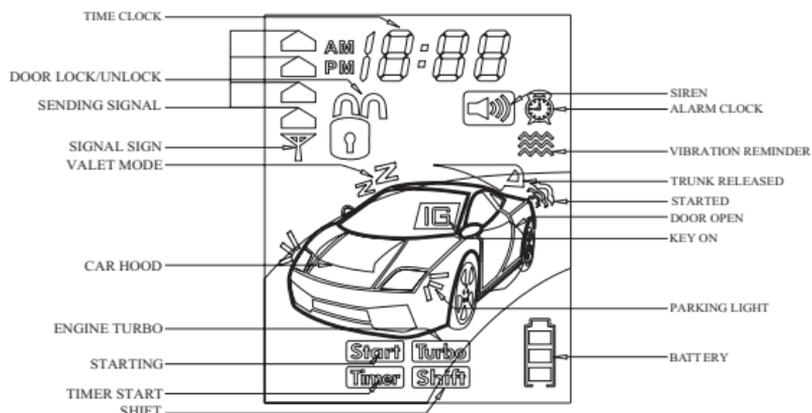
T99 SETTING FUNCTION

Anytime you press button 3 and button 4 for 2 seconds, the transmitter will enter program setting mode, then the ICON of the time clock, alarm clock, horn and vibrate, or backlight LED will begin to flash. The first setting is hour setting; use button 1 or button 2 to adjust the hour up or down. After setting the hour, press button 5 to shift to minute setting. The operation is the same as the hour setting. After you are done setting the clock, press button 5 to shift to alarm clock setting. If the alarm clock setting is ON, then the remote will go to alarm time setting. The procedure is the same as for time setting. After the alarm clock setting, pressing button 5 will enter the backlight LED setting; press button 1 to set the backlight LED function to ON (with any button press, the backlight will light 5 for seconds), press button 2 to set the backlight LED function to OFF (backlight will not come on with any button press). After the backlight LED setting, pressing button 5 will enter the vibration setting, press button 1 to set vibration function to ON, press button 2 to set vibration function to OFF. The vibrate function only operates on alarm or alarm/starter models when the alarm is set off in the vehicle or when the alarm clock function that is built-in to the remote is used. After setting vibration mode, press button 5 again to exit program mode. Pressing no buttons for 5 seconds will also exit program mode.

Alarm clock function:

If the ALARM CLOCK function is turned on, at the preset alarm time, the transmitter will chirp for 30 seconds and vibrate for 10 seconds. During the alarm period, any button push will shut off the alarm clock. After the alarm clock has been shut off, it will stay set for the same time the next day unless you go into programming and turn the alarm clock function off.

T99 LCD INSTRUCTIONS



ICON	Explanation
	Indicates that your car is locked or unlocked
	Indicates horn is honking when locking or unlocking your vehicle
	Indicate that your remote-pager is sending signals to the controller unit
	Indicates alarm clock mode is on
	Display time
	Indicates that parking lights are flashing
	Indicates that your trunk is open
	Indicates that your hood is open
	Indicates that your door is open
	Indicates if you are in valet mode
	Indicates that vibration mode is on
	Indicates that your vehicle has actually started and is running
	Indicates the key on status
	Displays remaining battery life
	Indicates the turbo mode is on
	Indicates function transfer and setting mode
	Indicates your vehicle is in remote-start mode
	Indicates timer start mode is on

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 until the transmitter's blue backlight and Shift indicator 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 the timer indicator on the transmitter comes on; the parking lights on the vehicle turn on as well.
- B. Within 5 seconds, select your start interval by pressing one of the 3 buttons on the transmitter. (See table). If you do not select an interval, timer will not be set.
- C. Once you have selected your start interval, the park lights will flash the hour setting you have chosen. The transmitter will display the setting 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.* The timer indicator on the transmitter will flash.

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

Button	Flashes on vehicle lights	Indication on Display	Start interval
LOCK (button 1)	1 Flash	H 01	Vehicle with start every hour
UNLOCK (button 2)	2 Flashes	H 02	Vehicle will start every 2 hours
START (button 3)	3 Flashes	H 03	Vehicle will start every 3 hours

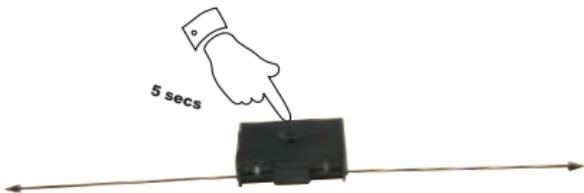
TRANSMITTER LEARNING

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.

Flashes	Problem	Solution
3 slow flashes	System is in valet mode	Cancel Valet Mode
4 slow flashes	Door Open	Manual trans. models only
5 slow flashes	Ignition ON	Turn off Ignition key and try again
5 flashes	Brakeswitch	Contact your product dealer
6 flashes	Hoodswitch	Contact your product dealer
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 battery. The transmitter uses 1-1.5 Volt AAA (Triple A) battery.

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 151A

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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.

