

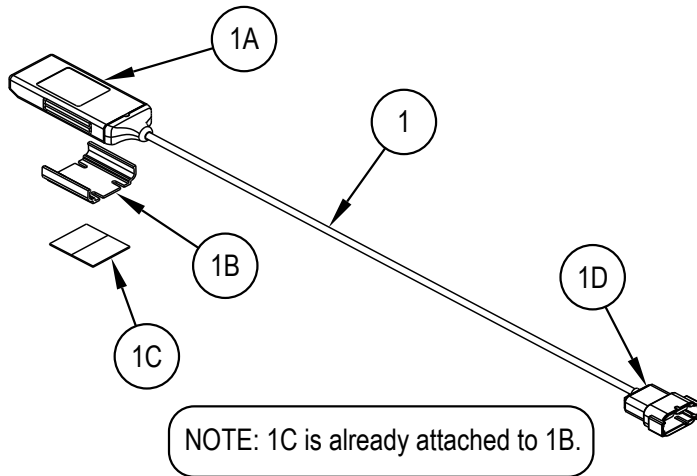
56104837 TRACKCLEAN LIBERTY SC50 KIT

For All Liberty SC50 Models

CONTENTS OF KIT

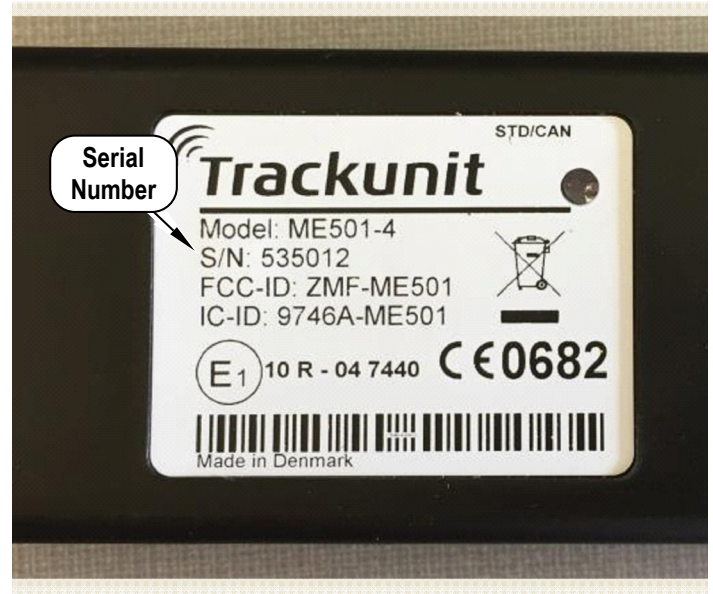
Item	Ref. No.	Qty	Description
[]	56090335	1	Instruction Sheet
[]		1	Alcohol Wipe
1		1	TrackClean Module STD/CAN Assembly
1A		1	TrackClean Module
1B		1	Mounting Bracket
1C		1	Double-sided Adhesive Tape
1D		1	Module Connector

[] = Not Shown



TOOLS REQUIRED

- Phillips Screwdriver
- Flat-Blade Screwdriver (if removing existing Bracket)



DOCUMENT SERIAL NUMBERS

It is important to record and save the Serial Number of the TrackClean Module and the Serial Number and Model of the machine that the corresponding TrackClean Module is being installed into.

1. Locate and record the Serial Number of the TrackClean Module (see below).
2. Locate and record the Model Number and Serial Number of the machine you will be installing the TrackClean kit into.

NOTE: The Model Number and Serial Number are located on the Nameplate.

TrackClean Module

Serial Number

Machine Serial Number

Machine Model Number

INSTALLATION INSTRUCTIONS

CAUTION!

When working on an SC50 and a battery disconnect is needed, ensure that the Autonomy Module is completely powered off before the power is pulled from the system. To verify that the Autonomy Module is completely powered down simply wait for both the safety LiDAR's and Dropoff lasers to power off, plus an additional 15 seconds after that. If this procedure is not followed when disconnecting the battery, there is a chance that the Autonomy Module could be permanently damaged and would need replacement.

WARNING!

Disconnect the Battery before removing or installing any machine components.

REPLACE THE EXISTING (OLD) TRACKCLEAN MODULE WITH THE NEW TRACKCLEAN MODULE

1. **SEE FIGURE 1.** Remove the four screws securing the Control Panel.
2. **SEE FIGURE 2.** Position the Control Panel to access the TrackClean Module.
3. Disconnect the Module Connector from the machine.
4. Remove the Module from the Module Bracket.
5. If applicable, replace the existing Mounting Bracket with the new Mounting Bracket as stated in steps 6 - 12.
NOTE: It is not necessary to remove the Mounting Bracket if it does not need to be replaced.
6. If removing the old Mounting Bracket, ensure the surface is free of any material left behind from the old adhesive.
7. Clean the surface with an Alcohol Wipe before installing the TrackClean Module and the Module Mounting Bracket.
NOTE: Allow the surface to dry completely before attaching the Mounting Bracket.
8. **SEE FIGURE 3.** Remove the paper (1C) from the adhesive on the TrackClean Module Mounting Bracket (1B).
9. With the TrackClean Module (1A) in the Mounting Bracket (1B), place the new Mounting Bracket in position.
10. Immediately remove the TrackClean Module (1A) from the Mounting Bracket (1B) and apply pressure on the Mounting Bracket.
11. After the Mounting Bracket is secured to the surface, install the TrackClean Module back on the Mounting Bracket.
NOTE: The TrackClean Module should snap into place when it is properly positioned.
12. Connect the Module Connector to the machine (disconnected in step 3).
13. Reconnect the Battery.

FIGURE 1

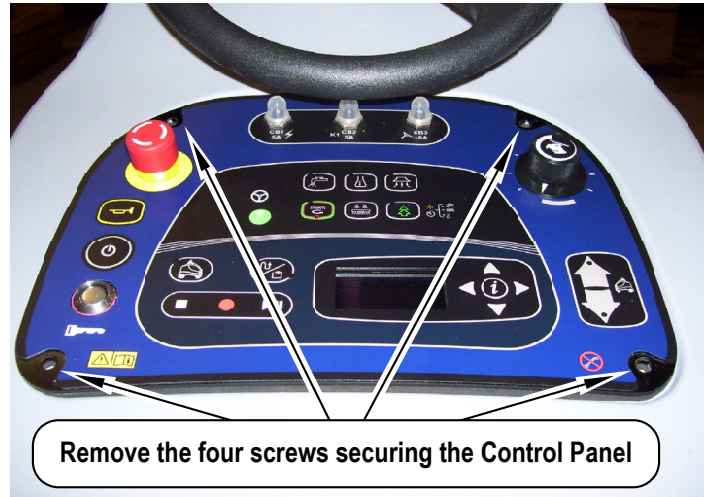


FIGURE 2

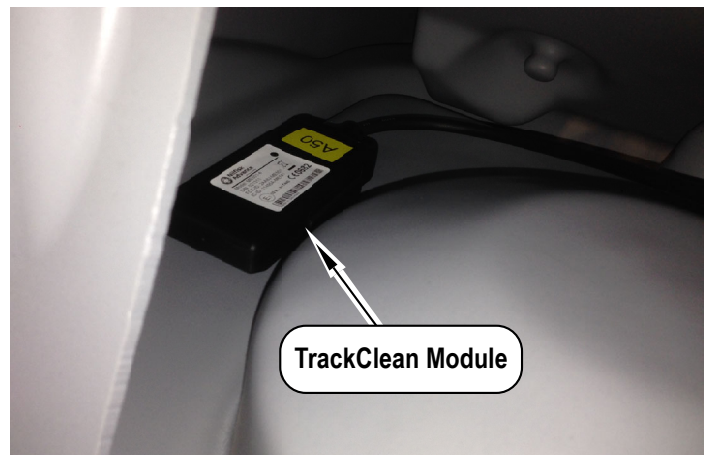
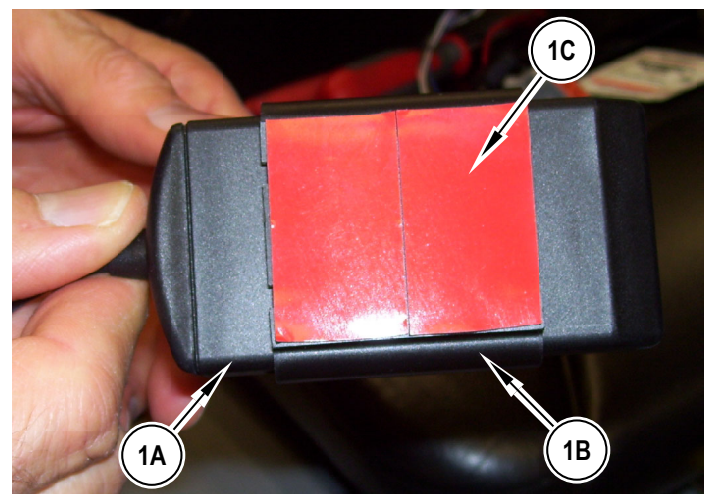


FIGURE 3



ENABLE THE TRACKCLEAN FUCTION IN THE LIBERTY SC50

1. Enter the Technician Mode.

A. SEE FIGURE 4.

Press and hold the Scrub (A) and Vacuum (B) keys and turn on the machine.

2. Press the Information Switch (C).

FIGURE 4

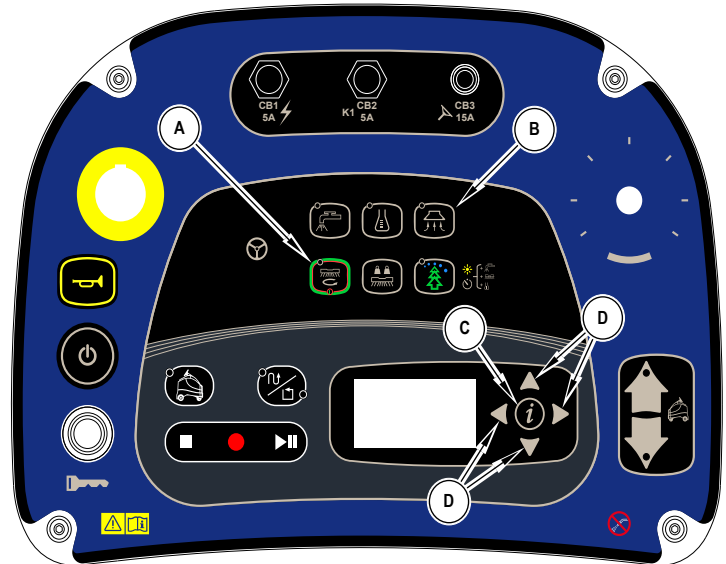


FIGURE 5

3. SEE FIGURE 5. Using the Arrow Keys (D), scroll down and select "Configuration".



FIGURE 6

4. SEE FIGURE 6. Using the Arrows (D) scroll down and select "TrackClean".
5. Press the right arrow key to highlight the selection.

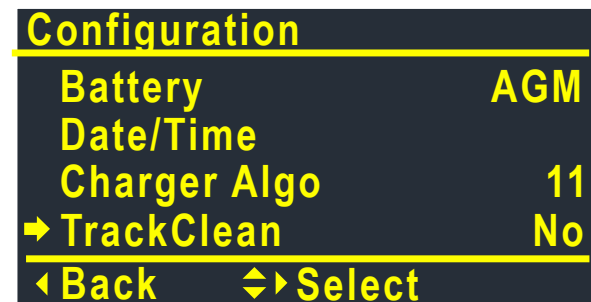
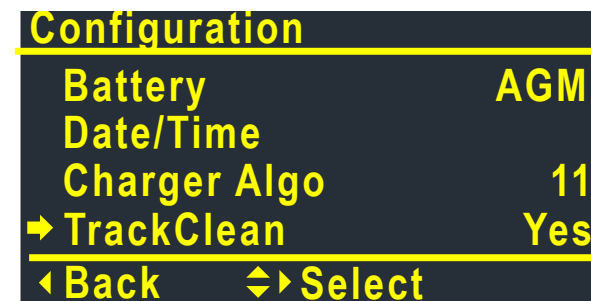


FIGURE 7

6. SEE FIGURE 7. Press the up and down arrow keys to toggle between "YES" and "NO". Select "YES".
7. Press the right arrow key again to save this selection.
8. Press the Information Switch (C) to exit out.
9. Turn the machine off.
10. Turn the machine back on.

NOTE: Steps 9 and 10 are required to provide a reset so you can use the TrackClean option.

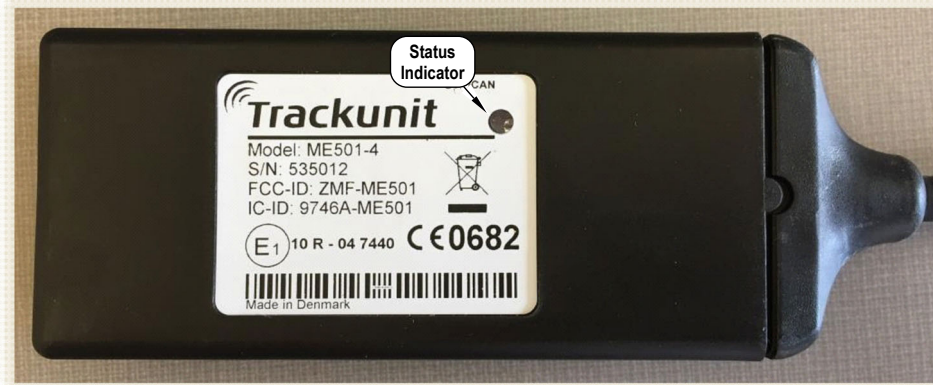
11. Perform the TrackClean Function Test, starting on the next page.



TrackClean Installation System Testing

Module Status Indication – General Notes:

- A computer, tablet or smartphone with an internet browser are required for testing.
- The module may take several minutes to boot up and establish a cellular connection once power has been supplied.
- Depending on local conditions, the module may not achieve a GPS location unless the unit is outdoors. If the green LED does not come on after a few minutes, take the machine outside if possible or near an open door.



Status	LED mode	LED color	Status indication
✓	Red flashing light and constant green light in LED		GSM network is OK and GPS has valid satellite position
!	No light in LED		No power supply
!	Constant red light and no green light in LED		Power supply is OK but NO GSM network GPS has NO satellite position
!	Red flashing light and no green light in LED		GSM network is OK GPS has NO satellite position
!	Constant red and green light in LED		Power supply is OK but NO GSM network GPS has valid satellite position

FIGURE 1



Verify my Trackunit

LOGGING IN

1. SEE FIGURE 1. Go to <https://verify.trackunit.com>.

Login

LOGGING IN (continued)

2. **SEE FIGURE 2.** Enter your User Name (A) in the location shown.

NOTE: Your username consists of a three character country code followed by "TCinstall".

Country	Code	Username
Canada	CAN	CANTCinstall
Denmark	DNK	DNKTCinstall
Finland	FIN	FINTCinstall
France	FRA	FRATCinstall
Germany	DEU	DEUTCinstall
Italy	ITA	ITATCinstall
Latvia	LVA	LVATCinstall
Mexico	MEX	MEXTCinstall
Netherlands	NLD	NLDTCinstall
Norway	NOR	NORTCinstall
Spain	ESP	ESPTCinstall
Sweden	SWE	SWETCinstall
Turkey	TUR	TURTCinstall
United Kingdom	GBR	GBRTCinstall
United States	USA	USATCinstall

FIGURE 2

4. Enter the password (B).

NOTE: Password = TrackClean123

5. Press Login (C).

Enter Module Serial Number

6. **SEE FIGURE 3.** Enter the Module Serial Number (D).

7. Press "Find" (E).

FIGURE 3

NOTE (1): If the "UnitNotFound" message appears, click "ok" and re-enter the serial number, making sure the number is entered correctly.

NOTE (2): If the module number still cannot be found by the system, contact the Nilfisk TrackClean customer support for assistance.

UnitNotFound

Ok

TrackClean Function Test

NOTE: You must press the Find button at the top after a system has turned on or off to see the state change. You may need to press Find multiple times. Wait a few seconds before pressing find. Test inputs individually to the extent possible.

8. **SEE FIGURE 4.** See below.

A1. ON when input 1 is active.

A2. ON when main/key switch is on.

A3. ON when input 3 is active.

A4. ON when input 4 is active.

A5. Power Supply should indicate the machine battery voltage.

FIGURE 4

The screenshot displays the Trackunit web interface. At the top left is the Trackunit logo. On the top right, there is a 'Logout' button with a red 'Logout' button next to it. Below the logo, the heading 'Verify my Trackunit' is present. A text input field contains '527823', with a callout 'Module Serial Number' pointing to it. To the right of the input field is a red 'Find' button, with a callout 'Find' pointing to it. Below the input field, the 'Unit Info: 527823' is displayed. The interface shows various status fields: 'Data received: 18-07-2017 14:11:24', 'Last GPS Fix: 15-05-2017 14:15:27', 'Satellites: 0', 'GPS Signal: 0 (> 30 = Good)', 'Mobile Signal: 9 (> 12 = Good)', 'Mobile Number: +3197011070167', and 'Power Supply: 25.2V' (with a callout 'A5' pointing to it). Below these, the 'Battery: 3.7V' is shown. A table lists inputs: 'Input 1: Off 0.00V Scrubber' (with callout 'A1'), 'Input 2: On 13.81V Key Switch' (with callout 'A2'), 'Input 3: On Vacuum' (with callout 'A3'), and 'Input 4: Off 0.00V Drive' (with callout 'A4'). At the bottom, there are two red buttons: 'Output 1: Current Status = OFF Click here to change' and 'Input Filtering: Current Status = OFF Click here to change'. The 'Unit Name:' field is at the very bottom.

	Digital	Analog	Name of input
Input 1:	Off	0.00V	Scrubber
Input 2:	On	13.81V	Key Switch
Input 3:	On		Vacuum
Input 4:	Off	0.00V	Drive

TrackClean Function Test (continued)

9. **SEE FIGURE 5.** See below.

A6. Enter the machine serial number in the Reference Number field.

A7. Enter the hour meter count in the Engine hours field.

NOTE: Enter the hour meter count in the “Engine hours” field for all models (including non-Engine models).

A8. Enter the machine model number in the “Note” section.

A9. Click Save to save the changes.

FIGURE 5

The screenshot shows a web form for 'Output 1:'. At the top, there are two red buttons labeled 'Current Status = OFF Click here to change'. Below these are several input fields: 'Unit Name' (containing '527823'), 'Reference Number' (empty), 'Engine hours (Type here the actual engine hours):' (containing '10'), 'Miles (Type here the actual distance counter):' (containing '0'), 'Category' (dropdown menu showing 'No category'), 'CAN profile' (dropdown menu showing 'No CAN profile'), and 'Group' (dropdown menu showing 'No Group'). At the bottom is a 'Note' section (empty) and a red 'Save' button. Numbered callouts point to specific fields: '6' points to the 'Reference Number' field, '7' points to the 'Engine hours' field, '8' points to the 'Note' section, and another '6' points to the 'Save' button.

10. **SEE FIGURE 4.** Press **Logout** when finished.