



Canadian Invention  
("we know snow")

## Please Read All Pages!

**PLEASE LEAVE THIS MANUAL & ALLEN KEY IN VEHICLE.**



Wiper Shaker, LLC

"...Helping To Make Winter Driving SAFER"

### OVERVIEW:

Thank you for purchasing the **SHAKER** to help your wiper blade(s) remain free of trapped frozen build-up **while driving**. Keep in mind the **SHAKER** is not a windshield de-icer.

As simple and elegant a solution the **SHAKER** is, it is nonetheless using a technology which has required much thought in its design. As such there are several important points, which must be understood and followed, before installing it on your vehicle.

### IMPORTANT POINTS TO FOLLOW:

i) Prior to departing on your journey, please ensure that your windshield and wiper blades are both reasonably free of snow, slush or ice etc. The **SHAKER** works extremely well, but like all products, has its limitations. So don't expect it to free you from cleaning the windshield or blades after a heavy snowfall. The **SHAKER** works best with newer conditioned wiper blades. The **SHAKER** is compatible with all lengths of wiper blades, but optimum performance is attained with lengths of up to 24". Not recommended for wiper arm / blade combination lengths exceeding **36"** (which is the wiper arm length + 1/2 of the wiper blade length) - contact us should you have larger applications, e.g., a tour bus.

ii) If the **SHAKER** is **not** properly secured to the wiper arm, it **will not** be able to transfer its vibration properly to the wiper blade.

iii) Once activated, the **SHAKER** will cause the wiper blade(s) to vibrate against the windshield - **do not** be alarmed by this. It usually only needs to be activated for a few seconds to do its job. When not activated, it is *quiet as a mouse*.

iv) The **SHAKER** can **only mount one way** on the wiper arm, that works well. See Page 2 for proper mounting instructions.

v) If at the start of your journey, you feel you will be encountering any form of frozen precipitation (e.g., snow, slush, freezing rain etc.), please connect the **SHAKER's** 12-volt adapter to your vehicle's 12-volt power socket before departing (unless you purchased a Hard Wire kit from an authorized dealer). This will avoid such distraction while driving.

vi) The **SHAKER** is designed to work with most **"hook"** wiper arms (sometimes known as a Sheperd's Hook) **in conjunction with your vehicle's defroster**.

**NOTE:** You can use the **SHAKER** to enhance any type of wiper blade (i.e. winter, Flat blade). This is achieved, simply by knowing that these types of wiper blades only help prevent Conformance of the rubber edge away from the windshield by either protecting the joints or, in the case of a flat blade, not having joints. **Otherwise, these wiper blades do not function any differently than basic metal summer wiper blades**, when confronted with trapped frozen debris between the wiper blade edge and the windshield, which causes windshield streaking.

vii) The **SHAKER works best** when the vehicle's engine is on and the wiper blades are moving. This results in a "skipping effect" when the **SHAKER(s)** is activated, allowing the moving wiper(s) to take small jumps across the windshield. This skipping also promotes more efficient use of washer fluid - beneficial from an environmental and usage perspective.

viii) The **SHAKER** may also be used at an **early stage**, to help clear snow build-up against the "A-pillar". As you notice snow beginning to build-up against the "A-pillar", activate the **SHAKER(s)** for a few seconds while the wiper blades are moving. The wiper blade(s) will then make small skips into the initial snow build-up, thus helping to break up packing snow. Heavy slush build-up is more difficult to break up, because it packs so quickly. Wipers on high speed, with the **SHAKER(s)** activated, may also help.

ix) Use the **SHAKER** at the **first sign** of any windshield streaking caused by frozen wiper debris. Such streaking is usually a result of frozen debris being trapped between the wiper blade and windshield, or freezing of the wiper blade joints. **Should** frozen build-up on the wiper blade joints become too great, the **SHAKER** may not sufficiently free up the joints enough, to correct Conformance problems or it may take longer usage to free up the joints.

x) Once a **SHAKER** is installed, **do not** turn on your wiper blades when going through a car wash. Once the car wash is finished, on a cold day, you can activate the **SHAKER(s)** for 5-10 seconds just before exiting the car wash to help prevent wiper freeze up problems when confronted with the rush of freezing outside air.

**NOTE:** The **SHAKER** is **not compatible** with: **"Pin & Side"** wiper arms; **hidden** or **recessed** wipers; **spoiler mounted** wipers; and **"Butterfly"** wiper blade configurations. **If required**, it may be possible to have your authorized dealership adjust the position of your "hook" style wiper arm so that it provides sufficient clearance for the **SHAKER(s)** to be mounted.

### TIPS FOR PROPER OPERATION:

If used properly, the **SHAKER** will clear up most frozen debris problems, while working within the scope of its capabilities. When properly mounted on the wiper arm, an activated **SHAKER** should cause vibration along the entire length of the wiper blade. The wire harness can only contact the wiper arm and **not the wiper blade**, as that would stifle vibration.

The **SHAKER** is not a replacement for Driver Common Sense. Drivers must start any journey with the wiper blades flexible and reasonably free of frozen debris, along with a windshield scraped clean of ice and snow. While driving, the **SHAKER** can be used to help maintain the wiper blade(s) condition.

### A GOOD OPERATIONAL TEST:

When the wipers are in the parked position and the **SHAKER** is activated, the end tips of the wiper blade(s) should bounce approximately one eighth of an inch (1/16") away from the windshield. More importantly, when the wipers are moving with an activated **SHAKER(s)**, applying washer fluid to the windshield should show that the wipers are now **skipping** in 1/2" to 1" jumps across the windshield (only while the **SHAKER** is activated of course).

### Limited Warranty Statement:

This warranty covers any defect in material or workmanship for one year from the original purchase date (**unless otherwise authorized by Wiper Shaker, LLC**), to the **original purchaser only**. Wiper Shaker, LLC (**WSLLC**), shall not be liable for any incidental or consequential damage or commercial loss, **nor for any** other loss or damages related to the use of the **SHAKER**. In case of warranty claims, repackage the **SHAKER**, including any accessories, which were originally provided, in the original package. Return this to the original retailer where the **SHAKER** was purchased, including a copy of your original sales receipt. At the retailer's discretion, your **SHAKER** will be repaired or replaced (labor and any applicable shipping costs not included). **RETAILERS**, for any warranty item, please contact your distributor or WSLLC for a Return Material Authorization (RMA) # and return the item in question prepaid to WSLLC (address provided at time of WSLLC issuing an RMA#).

### This warranty does not cover:

- any damage from misuse (e.g., over tightening of the mounting clamp; wire harness damage, motor burn out from extended use, etc.), neglect (e.g., dropping etc.) or acts of nature (e.g. power surges, lightning or floods etc.);
- product which may have been modified or incorporated into other products;
- product which is older than 12 months, from the original purchase date.

**FOR WARRANTY Issues, Please Email Us Your Name; Address; Phone #; Email Address; Date of Purchase; Dealer / Installer Name and Vehicle Type / Yr.**

**TO :** "[support@wipershaker.com](mailto:support@wipershaker.com)"

### MODE OF OPERATION

The **SHAKER** is activated immediately for as long as you depress the illuminated toggle switch. In normal situations, you should only need to depress the toggle switch for a few seconds while wipers are moving (i.e., enough for several sweep cycles of the wiper blades). To avoid possible motor burn out of the **SHAKER**, you **should not** leave it activated for an extended period of time (e.g., no more than 10 seconds at any one time). Occasionally, it is beneficial to change the speed of the wiper blades in cases where frozen build-up is more stubborn (this causes the wiper blade to make bigger skips when the **SHAKER(s)** is activated). To avoid "Conformance" and "A-pillar" build-up problems, activate the **SHAKER** at regular intervals (i.e. every 5-15 minutes depending on weather conditions). During freezing rain, you may need to activate the **SHAKER** more often (i.e. every 1-3 minutes).

### HOW TO USE

Before starting your journey...

- Clear your windshield of snow & ice.
- Carefully remove snow & ice from wiper blades, making sure the wiper joints are flexible.
- Then, during your drive, while the wiper blades are moving, momentarily activate the **SHAKER(s)** at the first signs of any snow / ice build-up on the wiper(s).

**CAUTION:** When removing ice and snow from your vehicle with an ice scraper etc., please be careful as to not damage a **SHAKER** or its wire harness.

### MAINTENANCE

Other than ensuring on a regular basis (e.g., once a month), that the **SHAKER** is securely fastened to the wiper arm in the correct position, and that the **2" Wire Harness Slack** is still in place at the base of the wiper arm area and that there are no cuts in the wire harness, no other maintenance is required. During any non-winter season, the **SHAKER** may remain on a wiper arm, or, if removed, you must ensure that any exposed power connectors are sealed from any moisture. **NEVER** over tighten the **SHAKER** clamp.

**NOTE:** Keep your wiper blades in good condition and replace them **every 6 months** as recommended by manufacturers. You may need to loosen the **SHAKER's** clamp in order to change a wiper blade.

### TROUBLESHOOTING GUIDE

#### Problem:

The 12-volt adapter toggle switch LED (or Hard Wire Kit Switch) fails to illuminate when plugged into the 12-volt power adapter (or properly Hard Wired to power).

#### Possible Cause / Solution:

Firstly, verify that the adapter (if applicable) is securely inserted into the power socket and the vehicle's ignition is turned on. If no change, check that your vehicle's 12-volt power socket fuse is OK. If this is not the problem, check the status of the 12-volt power adapter's fuse. To do this, simply unscrew the end of the adapter & the fuse will pop out. If in fact this fuse looks to be non-functional (i.e., the internal fuse wire appears to be burnt or broken), replace the fuse - with the same fuse rating. **For Hard Wire kits**, inspect the in-line fuse and replace the internal blade fuse if required, with an identical replacement type.

#### Problem:

In some rare situations with the **SHAKER** activated, the wiper blade might seem not to vibrate as rapidly against the windshield as is typical.

#### Possible Cause / Solution:

This problem can be the result of the **SHAKER** synchronizing with the normal vibrational output of the moving wiper blade. This can quickly be remedied by either turning the **SHAKER** off & then on again or simply by increasing / decreasing the speed of the wiper blade travel. If your wiper blades have become worn, newer blades will also respond better.

#### Problem:

A piece of frozen debris that is usually, quickly dealt with by the **SHAKER**, is now, not being cleared away from wiper blades.

#### Possible cause / Solution:

Because the vibration applied by the **SHAKER** is not evenly dispersed across the length of the wiper blade, different debris shattering or dislodging capabilities will exist along the length of the blade. In such situations it may be of assistance to temporarily change the speed of the wiper blades from low to high or vice versa. If this does not help, try spraying the windshield with washer fluid. This could slightly alter the consistency or friction of the frozen debris. At this point reactivate the **SHAKER** in an effort to clear the frozen debris away. It may also be appropriate to verify the **SHAKER** is still securely tightened to the wiper arm (**at your next stop**). As the **SHAKER's** main purpose is to allow wipers to "skip" over frozen trapped debris, some debris pieces may be too large to skip over, i.e., large ice sheets need to manually removed prior to departing on your journey.

#### Problem:

A-Pillar snow build-up and/or Conformance (i.e., wiper blade joints freeze up or blade portions come out of windshield contact) problems are not completely cleared by the **SHAKER**.

#### Possible cause / Solution:

As the **SHAKER's** main purpose is to deal with trapped frozen debris, A-Pillar build-up and Conformance issues can only be dealt with at the early stages. If the snow pack is allowed to build-up to where it begins to heavily compress, it becomes increasingly difficult to break up the build-up. Snow pack is best dealt with by placing the wiper setting on high speed with the **SHAKER(s)** activated. At high speed, the wiper blade is very likely to skip into the snow pack, thus allowing the break-up process to start (unless already solid ice).