



**THE MOST TRUSTED  
ENGINE PRE-HEATERS  
FOR COLD-WEATHER STARTS**


## Installation Instructions for Wolverine Heaters

**Introduction** Congratulations on the purchase of your genuine Wolverine Heater. Proper installation will ensure you receive years of great performance. Please read the instructions before beginning installation.

**Installation Kit** The following items are included in your installation kit:

Qty.	Description
1	Plastic scraper
1	Tube of high temperature silicone sealer
2	Plastic zip ties






**Before  
Installing**

Surface Must Be...	Because...			
Metal – aluminum, cast iron, steel, etc.	 Melting and warping will occur if applied to a non-metallic surface. <b>Not all oil pans are metal.</b>			
Flat and smooth	Heater must have total and complete contact with the installation surface.			
	<table border="1"> <thead> <tr> <th>If ...</th> <th>Then ...</th> </tr> </thead> <tbody> <tr> <td>Bumps, ridges, ribs, fins, indentations, grooves, holes or part numbers</td> <td>Use <b>metal composite filler</b>. We recommend "<a href="#">Strong Steel Stick®</a>".</td> </tr> </tbody> </table>	If ...	Then ...	Bumps, ridges, ribs, fins, indentations, grooves, holes or part numbers
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Warmed	Uneven surface will cause uneven adhesion and heating. Installation surface and work area should be comfortably warm.			

**CAUTION!**

ATTENTION	SAFETY AND WARRANTY CONDITIONS
	<b>ATTACH HEATER TO METAL SURFACE ONLY!</b>
	<b>DO NOT CUT OR TRIM HEATER!</b> It will <b>RUIN</b> your new heater <b>AND VOID WARRANTY.</b>
	INSTALLATION SURFACE MUST BE ABSOLUTELY CLEAN AND FREE OF GRIT.
	USE SUPPLIED SEALER and PAD ADHESIVE ONLY.

**Installation  
Instructions**

Step	Action								
1.	<p>Remove all contaminants from selected installation area.</p> <table border="1" data-bbox="553 222 1393 445"> <thead> <tr> <th data-bbox="553 222 972 266">We Recommend...</th> <th data-bbox="972 222 1393 266">DO NOT USE...</th> </tr> </thead> <tbody> <tr> <td data-bbox="553 266 972 310">Acetone</td> <td data-bbox="972 266 1393 310">Gasoline/Diesel fuel</td> </tr> <tr> <td data-bbox="553 310 972 354">Brakleen</td> <td data-bbox="972 310 1393 354">Spray penetrants</td> </tr> <tr> <td data-bbox="553 354 972 445">Strong detergent followed by thorough rinse</td> <td data-bbox="972 354 1393 445">Solvents</td> </tr> </tbody> </table> <p>Wipe the surface to ensure area is completely dry and residue free.</p>	We Recommend...	DO NOT USE...	Acetone	Gasoline/Diesel fuel	Brakleen	Spray penetrants	Strong detergent followed by thorough rinse	Solvents
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Strong detergent followed by thorough rinse	Solvents								
2.	Scuff the installation area with sandpaper. Do not polish! Wipe the surface again to ensure area is completely dry, grit and residue free.								
3.	Determine the best position for the power cord to be located.								
4.	Attach the first length of the power cord with a zip tie to prevent the weight of the cord from pulling down on the pad.								
5.	Remove protective covering from pressure sensitive adhesive. <b>AVOID TOUCHING THE ADHESIVE.</b>								
6.	<p>Plug the heater in for 3 to 5 SECONDS to warm the adhesive, then immediately unplug.</p> <p> <b>WARNING:</b> The uninstalled pad will become very hot if plugged in longer than a few seconds and could damage the heater.</p>								
7.	<p>Starting at the edge closest to the power cord, use the plastic scraper to apply solid pressure as you attach the pad to the clean, prepared surface. Smooth the entire pad to the surface.</p> <p> <b>Repeat steps 6 and 7 two more times (2x) carefully avoiding wrinkles, creases and air bubbles.</b></p>								
8.	<p>Using the supplied high temperature silicone sealer, apply a small bead around the entire outside edge of the heating pad.</p> <p> <b>DO NOT force the sealer under the pad. It is important to seal the edges of the entire heater pad for weatherproofing.</b></p>								
9.	<p>Route and secure the rest of the power cord to a convenient location, such as through the grille. Avoid any moving or high temperature parts (i.e. exhaust or driveline).</p> <p>Use remaining zip ties to secure/route the power cord.</p>								
10.	<p> Keep all NON-METAL surfaces such as plastic oil pan covers, noise suppressors, rock guards, fiberglass shrouds, etc., off the heater to avoid melting, warping or heater failure.</p>								
11.	<p> <b>AVOID USING THE HEATER FOR 8-12 HOURS AFTER INSTALLATION.</b> Adhesive bond will increase during this time ensuring best performance.</p>								

**Need Answers Fast? Talk to an Expert. 1-800-545-2248**

Experts available Monday-Friday 9am-5pm PST