

BackSaver Installation Manual



Hilti® - V2.2

TE-50 | TE-60 | TE-70 | TE-80

BackSaver Patent #7617885

BackSaver Patent #10646931



Table of Contents

Product Display.....	2
Instructions.....	3-12
How to properly use BackSaver.....	13-14
Disclaimer and Warranty.....	16

BACKSAVER



* Hilti® is a registered trademark of Hilti® Corporation and not affiliated with BackSaver 2005, LLC

Warning: Make sure the drill is unplugged or the battery is disconnected while attaching the BackSaver.

****Follow all instructions. Failure to comply with instructions could result in serious injuries!!**

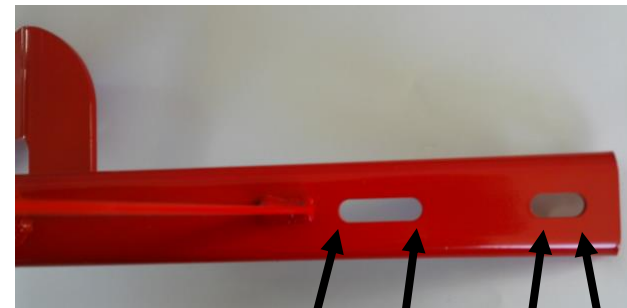
Step 1

Unscrew the handle clamp knob to remove the handle bracket and washers from the BackSaver. The washers will be used in step 5 when re-attaching the Hilti® forward handle.



Step 2

Before attempting to attach the BackSaver, ensure familiarity with the Hilti® model drill being used and the coordinating holes on the BackSaver as shown in the photo. The longer first hole shown in the photo fits the TE-50 and the TE-60, while the second, shorter hole fits the TE-70 and the TE-80 model.



TE-50 TE-60 TE-70 TE-80

Step 3

Remove the Hilti® forward handle (factory) from the Hilti® Hammer Drill.



Forward Handle

Step 4

Ensuring a compatible Hilti® drill is being used, attach the BackSaver by lowering the BackSaver onto the drill with the bolt of the Hilti® forward handle through the coordinating hole of the BackSaver.

***The drill shown is a TE-50 which attaches through the long hole.**



Step 5

Place the BackSaver supplied large washer from Step 1 over the bolt of the Hilti® forward handle as shown in the photo; then screw the Hilti® forward handle back on loosely.

***Do NOT tighten the handle until the end of Step 6**

***Note, if attaching the TE-50 Hilti® hammer drill, place the BackSaver supplied small washer over the bolt of the Hilti® forward handle**



BackSaver Supplied Washer

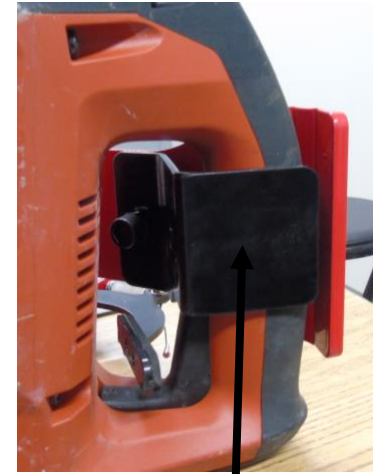
Hilti®
Forward
Handle



Step 6

Attach the handle bracket to the drill by securing it with the handle clamp knob. Ensure the drill is parallel to the top of the base of the BackSaver, as shown in the photo below. Make sure the handle bracket does not engage the Hilti® trigger when attaching. If it is engaging the Hilti® trigger, the BackSaver will need to be re-adjusted to ensure the Hilti® trigger is not being engaged by the handle bracket. Make sure the BackSaver trigger is the only item engaging the Hilti® trigger as shown in the photo, not the handle bracket. After Aligning properly, tighten the handle clamp knob to the handle bracket.

****Make sure the handle bracket is always secure in the correct location. If the BackSaver handle bracket would become loose, it could activate the Hilti® trigger. Make sure if this happens, STOP IMMEDIATELY, unplug or disconnect the battery and re-align the handle bracket.****
****Again, make sure the hammer drill is unplugged or battery is disconnected while attaching or adjusting parts of the BackSaver.**



Handle Bracket



Handle Clamp Knob and Washers



Step 7

Tighten the Hilti® forward handle and handle clamp knob.

Step 8

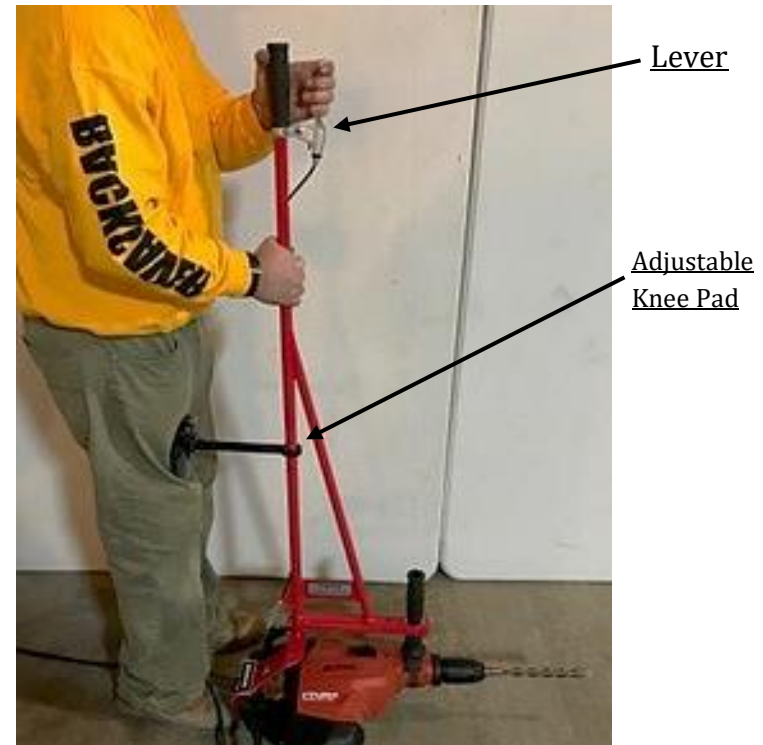
After tightening the handle clamp knob to the handle bracket and the Hilti® forward handle, the BackSaver is ready for use. Remember, "Safety Pays". Ensure proper use of the BackSaver as directed and shown on pages 13 and 14.

Hilti®
Forward
Handle



How to properly use the BackSaver:

- The BackSaver is for horizontal drilling only.
- Make sure the BackSaver is used with both hands.
- Ensure the adjustable knee pad is placed on the thigh in a comfortable position. Right above the knee is generally the optimal location for the knee pad.
- Place the drill bit at the desired location and apply pressure using the knee pad.
- Do not pull the lever until the drill is firmly pressed against the concrete.
- To drill accurately, make sure the BackSaver and drill are level.
- Once drilling is complete, make sure the drill is engaged while retracting from the hole.
- Release the lever immediately once the drill is removed from the hole.



BackSaver
 for  **BOSCH** & **Makita**
 www.hammerdrillattachment.com
 Phone # 618-797-6078
 Patent# 7617885 Patent Pending Adaptor#15/333,366

BackSaver
 FOR **DEWALT**
 www.hammerdrillattachment.com
 Phone# 618-797-6078
 Patent# 7617885 Patent Pending Adaptor# 15/333,366

BACKSAVERS ARE AVAILABLE FOR THE FOLLOWING DRILLS

- HILTI®
- BOSCH®
- DEWALT®
- MAKITA®

BackSaver
 Disclaimer and Warranty

DISCLAIMER:

- Caution: This product is to be used for stand-up drilling into slabs at grade level, horizontally ONLY. Any other use could result in serious injury.
- Please follow instructions carefully; failure to comply with instructions could result in serious injury.
- Do not attach the BackSaver or adjust parts on the BackSaver while connected to a power source.
- If drill is equipped with an ON/OFF switch, be sure it is in the OFF position before connecting to the power source. Also, be sure trigger is not engaged before connecting to the power source.
- Certain model drills are equipped with trigger locks; on such drills, be sure trigger is not engaged in locked position before, during or after attachment of the BackSaver.
- Do not use the trigger lock option when operating a hammer drill with the BackSaver attached.
- Operate the BackSaver with care and caution.
- Maintain the BackSaver regularly.
- Stay Alert – Watch and be aware of the surroundings when operating any power tool.
- To ensure proper use of the BackSaver, follow the disclaimer in Step 6.
- The BackSaver and drill should be used in compliance with the Drill Manufacturers’ instructions.
- Unattended BackSavers should be laid flat on the ground and the power source should be disconnected.
- Regardless of the BackSavers’ attachment to the drill, the drill bit should not be handled at any time while the drill is in use, while the drill bit is still turning or while the drill is connected to a power source.

90 DAY LIMITED WARRANTY:

- If inspection shows a problem with the BackSaver that is caused by manufacturers’ defect of material, BackSaver will repair or replace the BackSaver without charge (subject to BackSaver’s discretion).
- Warranty does not apply where:
 - ✓ The BackSaver has been abused; misused or improperly maintained.
 - ✓ Alterations have been made to the BackSaver
 - ✓ Repairs are required due to normal wear and tear

Thank you for purchasing a BackSaver
 &
 (Your back thanks you also!)

Revolutionize the way you work!

There isn't another tool like this available. Our revolutionary, patented hammer drill attachment will change the way you use a hammer drill forever.

BackSaver highlights:

- Requires less energy while drilling
- Permits application of more pressure while drilling
- Allows for easier, faster and more consistent level drilling
- Increases productivity
- Helps absorb harmful vibration from hammer drill
- Assists in prevention of back injuries

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