



# Backsaver BOSCH/MAKITA

## INSTALLATION MANUAL

**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

Using the provided 5/16" allen wrench on the knee pad, remove the handle bracket.

### Step 2

Before attempting to attach the BackSaver, ensure familiarity with the brand drill, Bosch or Makita, being used and the coordinating holes on the BackSaver for each brand and their models. The elongated slot in the BackSaver coordinates with Makita Drill models HR4041C, HR4013C, HR4002 and Makita's battery-operated model as shown in the middle photo. The single hole next to the elongated slot coordinates with Bosch models 540M, 540S, 11264SDS and 11265Spline as shown in the bottom photo.

Handle Bracket



### MAKITA MODELS

HR4041C, HR4013C, HR4002, and Battery-Operated Makita



### BOSCH MODELS

Bosch models 540M, 540S, 11264SDS and 11265Spline



# Backsaver

## BOSCH/MAKITA

### INSTALLATION MANUAL

#### Step 3

Remove Bosch or Makita forward handle rubber grip (factory) from the Bosch or Makita Hammer Drill.

#### Step 4

For Makita hammer drills: Remove the plastic cover on the bottom section of the Makita forward handle to expose the metal band. Insert provided foam piece into metal band to secure bolt in bottom section of the Makita forward handle as shown in the photos. Replace the plastic cover of the bottom section of the Makita forward handle.



Provided Foam Piece for Makita models



Insert into Makita Handle Guard



Foam allows for bolt to stay in place.



BackSaver Supplied Washer (For Bosch Models Only)



For Bosch hammer drills: Remove plastic cover on the bottom section of the Bosch forward handle to expose the metal band. Remove the Bosch supplied bolt and replace it with the BackSaver supplied bolt. Replace the plastic cover. Place large grey washer in the top of the bottom section of the Bosh forward handle as shown in the photo.

# Backsaver

## BOSCH/MAKITA

### INSTALLATION MANUAL

#### Step 5

Ensuring the compatible model drill is being used, attach the BackSaver by lowering the BackSaver onto the drill with the bolt of either the Bosch forward handle or the Makita forward handle through the coordinating hole of the BackSaver.

#### Step 6

Screw either the Bosch forward handle rubber grip or the Makita forward handle rubber grip back on loosely as shown in the photo.

**\*Do NOT tighten the handle until the end of Step 7**

#### Step 7

Attach the handle bracket to the drill by securing it with the hex bolt and washer supplied. Make sure the handle bracket does not engage the Bosch/Makita trigger when attaching. If it is engaging the Bosch/Makita trigger, the BackSaver will need to be re-adjusted. Make sure the BackSaver trigger is the only item engaging the Bosch/Makita trigger as shown in the photo, not the handle bracket. After aligning properly, tighten the hex bolt of the handle bracket.

**\*\*Make sure the handle bracket is always secure in the correct location. If the handle bracket would become loose, it could activate the Bosch/Makita 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 the battery is disconnected while attaching or adjusting parts of the BackSaver**

Makita/Bosch Forward Handle



Handle Bracket



Hex Bolt

# Backsaver

## BOSCH/MAKITA

### INSTALLATION MANUAL

#### Step 8

Tighten the Bosch or Makita forward handle and the hex bolt.

#### Step 9

After tightening the hex bolt of the handle bracket and the Bosch or Makita forward handle rubber grip, the BackSaver is ready for use. Remember, "Safety Pays". Ensure proper use of the BackSaver as directed and shown.



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

# BOSCH/MAKITA

## INSTALLATION MANUAL

BackSaver

DISCLAIMER:

Disclaimer and Warranty

- 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



# Backsaver DEWALT

## INSTALLATION MANUAL



**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

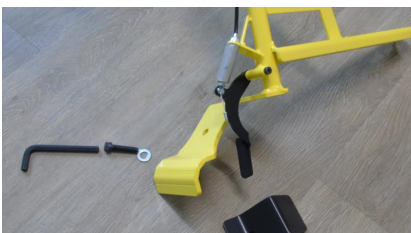
Using provided 5/16" allen wrench on the knee pad, remove the handle bracket.

### Step 2

Remove forward handle rubber grip (factory) from Dewalt hammer drill.

### Step 3

Remove plastic cover on bottom section of Dewalt forward handle to expose the metal band. Insert provided foam piece into metal band to secure the bolt of the forward handle. Replace plastic cover of the bottom section of Dewalt forward handle. Place the provided yellow washer on top of bottom section of Dewalt forward handle.



Yellow Washer Placement

Provided Foam Piece

The Foam Piece is provided to allow the bolt to stay in place

# Backsaver DEWALT

## INSTALLATION MANUAL

### Step 4

Ensuring a compatible model of the Dewalt Hammer Drill is being used, attach the BackSaver by lowering the BackSaver onto the drill with the bolt of the Dewalt forward handle through the coordinating hole of the BackSaver.



Forward Handle Bolt

### Step 5

Attach the Dewalt forward handle rubber grip as shown in the photo. Screw the Dewalt forward handle rubber grip back on loosely.

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

Dewalt Forward Handle



# Backsaver

# DEWALT

## INSTALLATION MANUAL

### Step 6

Attach the handle bracket to the drill by securing it with the hex bolt and washer supplied. Make sure the handle bracket does not engage the Dewalt trigger when attaching. If it is engaging the Dewalt trigger, the BackSaver will need to be re-adjusted to ensure the trigger is not engaged by the handle bracket. Make sure the BackSaver trigger is the only item engaging the Dewalt trigger; not the handle bracket.

**\*\* Make sure the handle bracket is always secure in the correct location. If the handle bracket would become loose it could activate the Dewalt trigger. Make sure if this happens, STOP IMMEDIATELY, unplug the drill, or remove the battery, and re-align the handle bracket.**

**\*\*Again, make sure the hammer drill is unplugged or the battery is disconnected while attaching or adjusting parts on the BackSaver**



Handle Bracket

### Step 7

Tighten the Dewalt forward handle rubber grip and hex bolt.

Dewalt Forward Handle





# Backsaver

# DEWALT

## INSTALLATION MANUAL

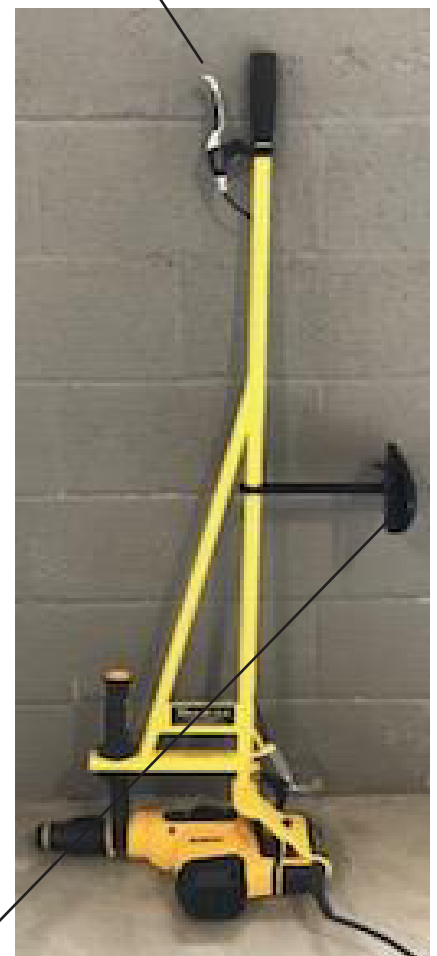
### Step 8

After tightening the hex bolt and the Dewalt forward handle rubber grip, the BackSaver is ready for use. Remember, "Safety Pays". Ensure proper use of the BackSaver as described and shown.

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.

Lever



Adjustable Knee Pad

# Backsaver DEWALT

## INSTALLATION MANUAL

### 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.



# Backsaver HILTI

## INSTALLATION MANUAL

**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

Using provided 5/16" allen wrench on the knee pad, remove handle bracket. The largest washer will be used in step 5 when re-attaching the Hilti forward handle.

### Step 2

Before attempting to attach the BackSaver, get familiar 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.

### Step 3

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



TE-50 TE-60 TE-70



Forward Handle

# Backsaver HILTI

## INSTALLATION MANUAL

### 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-70 which attaches through the short 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



BackSaver supplied washer



Hilti Forward Handle



# Backsaver HILTI

## INSTALLATION MANUAL

### Step 6

Attach the handle bracket to the drill by securing it with the hex bolt and washer supplied. 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 hex bolt of 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



Hex Bolt and Washer

# Backsaver HILTI

## INSTALLATION MANUAL

### Step 7

Tighten the Hilti forward handle and hex bolt.



### Step 8

After tightening the hex bolt of the handle bracket and the Hilti forward handle, the BackSaver is ready for use.

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 HILTI

## INSTALLATION MANUAL

### BACKSAVER DISCLAIMER AND WARRANTY

#### DISCLAIMER:

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- 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.
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- 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:

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