

# 3927-HD3-14

## USER INSTRUCTIONS

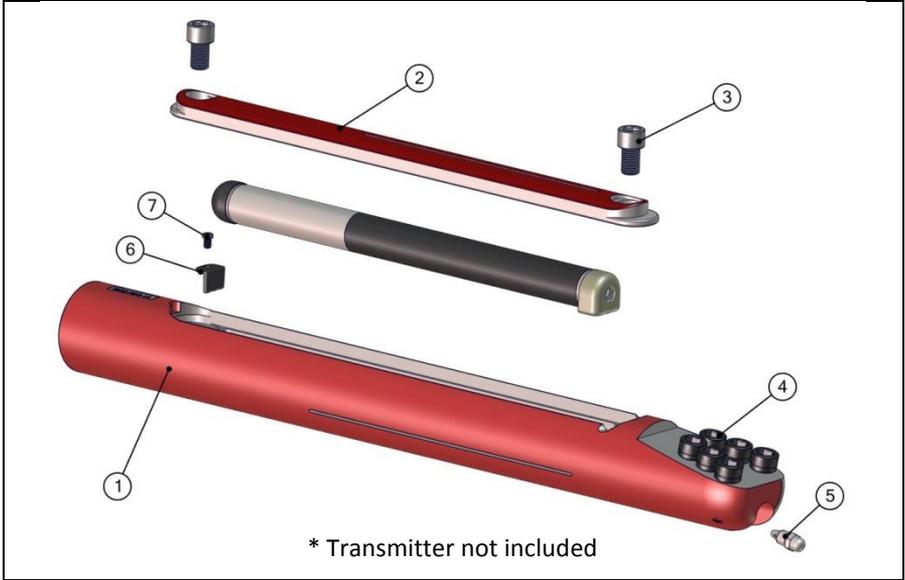


Melfred Borzall housings are built to last. They are machined from high quality, 4340 alloy steel and feature contoured pockets to eliminate stress concentrations, reducing the risk of cracking. Our unique lid design allows for larger locking bolts, keeping your investment safe in tough conditions. We've also made our housings easy to use by engraving the direction of drilling and the part number for easy identification. Include the one-of-a-kind super nozzle which sprays in the off of centerline to aid steering and you've got the top of the line. Here at Melfred Borzall, we've thought of everything; so you don't have to.

<b>Important!</b>	Read and understand the manufacturer's manual(s) for the directional drilling machine, locating equipment and all attachments including additional safety manual(s) provided with this tool.	 
<b>Danger!</b>	<b>Do not use a pipe wrench to remove directly coupled tools.</b> The rod could rotate causing the device to strike you causing serious injury or death.	
<b>Danger!</b>	<b>Stay clear of rotating drill stem and tooling.</b> You can become caught in the rotating drill stem or tooling causing serious injury or death.	
<b>Danger!</b>	<b>Do not wear loose clothing.</b> Loose articles of clothing can become tangled around the drill stem or tooling causing serious injury or death.	
<div style="display: flex; align-items: center;">   <div style="font-size: small;"> <p>Call before you dig – dial 811 (USA only) 1-888-258-0808 (USA &amp; Canada)</p> </div> </div>		

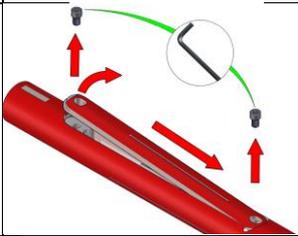
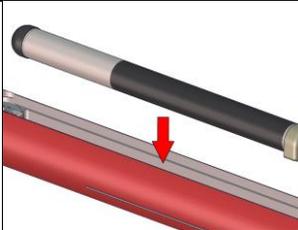
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## In The Box

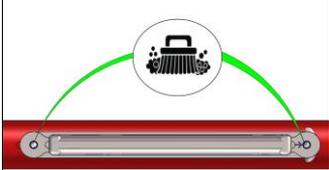
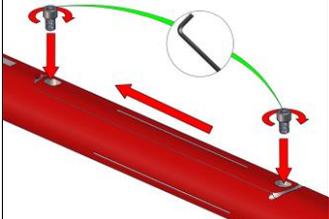
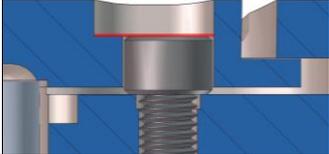


ID	Part Number	Description	REQ	SPARE
1	3927-HD3-14	Premium Sonde Housing	1	-
2	3927-HD3-CP	Sonde Pocket Cover Plate	1	-
3	SHCS12MMx20MM-N	M12x20mm Socket Head Cap Screw with Nylon Patch	2	2
4	SHCS-12MMx25MM	M12x25mm Socket Head Cap Screw	5	-
5	1600-1712	Super Nozzle	1	-
6	86BV2-SPACER	Spacer Block for 86BV2	1	-
7	LHCS-1/4x3/8	1/4"-20 x 3/8" Low-Profile Socket Head Cap Screw	1	-
-	AW-10MM	10mm Allen Wrench	-	1
-	AW-1/8	1/8" Allen Wrench	-	1

# USER INSTRUCTIONS

<p>1. Lock out the drilling machine, following the manufacturer's instructions, before doing any work to tools or drill stem.</p>	 A black and white icon of a padlock with a keyhole, and a curved arrow pointing to the left, indicating a lockout procedure.
<p>2. Remove the lid bolts. Then remove the lid by sliding it forward and prying up from the back.</p>	 A diagram showing a red lid being removed from a red housing. Red arrows indicate the lid is slid forward and then pried up from the back. A green arrow points to a bolt being removed from the lid. A circular inset shows a close-up of a bolt being turned with a hex key.
<p>3a. If the <b>86BV2 transmitter</b> is used, leave the black spacer block installed.</p>	 A close-up photograph of the red housing's interior, showing a white plastic pocket where a transmitter is installed. A black spacer block is visible inside the pocket.
<p>3b. If the <b>86B transmitter</b> is used, remove the black spacer block by unscrewing the bolt holding it in place.</p>	
<p>4. Install the directional blade of your choice onto the housing steer face. Tighten each bolt to the recommended torque of 1,400 inch-pounds (165 N-m).</p>	 A diagram showing a red directional blade being attached to the housing. Several bolts are shown being inserted into the blade and tightened onto the housing.
<p>5. Install the transmitter so that the flat bottom of the front bumper is down. When properly secured, the sonde will fit snugly and resist rotation within the pocket.</p>	 A diagram showing a black and silver sonde being inserted into the red housing's pocket. A red arrow points down, indicating the sonde should be pushed into the pocket until the flat bottom of the front bumper is seated.

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<p>6. Ensure that the bolt holes are completely clear of any debris as unclean holes can prevent bolts from properly securing the lid.</p>	
<p>7. Replace the lid and install the bolts with the provided Allen Wrench. Tighten each bolt to recommended torque of 1,400 inch-pounds (165 N-m). <b>Replace bolts with new after 10 uses.</b></p>	
<p>8. Ensure that the bolts are properly seated by verifying that the bolt head is level with the machined shelf beside the hole.</p>	
<p>9. To roll calibrate your 750 transmitter:</p> <ul style="list-style-type: none"><li>a. Place the housing assembly at the 12:00 position.</li><li>b. Push and hold the F/A/L/R key and press the depth key for 3 seconds.</li><li>c. Continue pressing F/A/L/R key and roll will set to 12:00.</li></ul> <p>See tracker manual for more information.</p>	
<p>10. Begin your bore. Closely monitor sonde temperature to prevent overheating.</p>	
<p>11. When the bore is complete, remove the components from the housing body and clean all parts thoroughly.</p>	