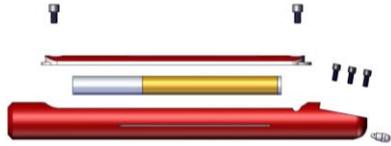


3825-HT3-06

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 angle of the cut 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.

Important! 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.



Danger! **Do not use a pipe wrench to remove directly coupled tools.** The rod could rotate causing the device to strike you causing serious injury or death.



Danger! **Stay clear of rotating drill stem and tooling.** You can become caught in the rotating drill stem or tooling causing serious injury or death.



Danger! **Do not wear loose clothing.** Loose articles of clothing can become tangled around the drill stem or tooling causing serious injury or death.



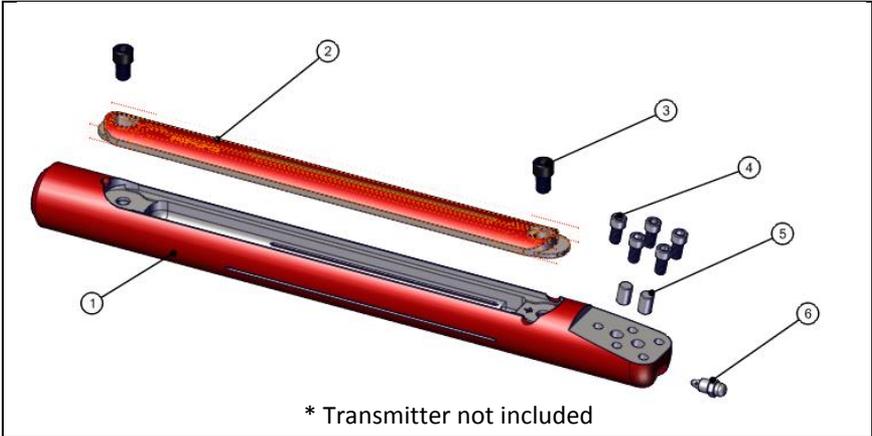
Call before you dig—dial 811
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1-888-258-0808
(USA & Canada)

USA: (800) 558-7500
Int'l: (805) 739-0118

**MELFRED
BORZALL**

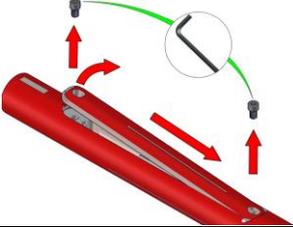
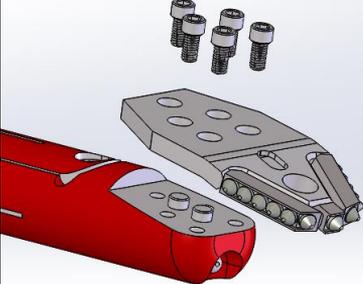
3825-HT3-06

In The Box

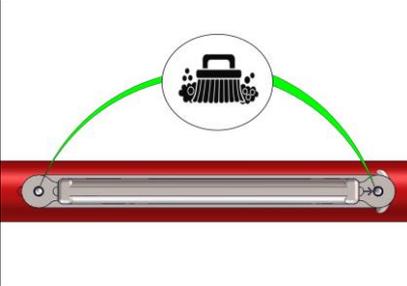
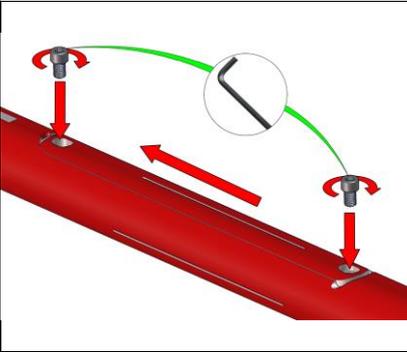
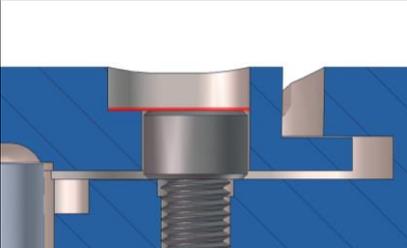


ID	Part Number	Description	REQ	SPARE
1	3825-HT3-06	Premium Sonde Housing	1	-
2	3625-HT3-CP	Sonde Pocket Cover Plate	1	-
3	SHCS1/2x3/4	1/2"-13 x 3/4" Socket Head Cap Screw	2	2
4	SHCS-3/8x3/4	3/8"-16 x 3/4" Socket Head Cap Screw	5	-
5	DP-0.50X0.75	Dowel 1/2" dia x 3/4"lg	2	-
6	1600-1712	Super Nozzle	1	-
-	AW-3/8	3/8" Allen Wrench	-	1
-	AW-5/16	5/16" 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. A curved arrow above the padlock indicates a clockwise rotation to lock it.
<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 cylindrical tool with a lid. Red arrows indicate the lid being 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 hex key being used to turn the bolt.
<p>3. Install the directional blade of your choice onto the housing steer face. Tighten each bolt to the recommended torque of 60 foot-pounds (80 N-m).</p>	 A diagram showing a red cylindrical tool with a grey directional blade being attached to its front. Four bolts are shown being inserted into the blade and tightened against the tool's housing.
<p>4. Install the transmitter so that the indexing notch in the transmitter seats around the mating tab in the housing pocket. When properly secured, the sonde will resist rotation within the pocket.</p>	 A diagram showing a yellow and grey transmitter being inserted into a pocket on the red cylindrical tool. A red arrow points down to the transmitter's position.

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<p>5. Ensure that the bolt holes are completely clear of any debris as unclean holes can prevent bolts from properly securing the lid.</p>	 A diagram showing a red metal housing with two circular holes. A brush is shown cleaning the interior of one of the holes. A green arc connects the brush to the hole.
<p>6. Replace the lid and install the bolts with the provided Allen Wrench. Tighten each bolt to recommended torque of 150 foot-pounds (200 N-m).</p> <p>Replace bolts with new after 10 uses.</p>	 A diagram showing a red metal housing with two bolts. An Allen wrench is shown being used to tighten one of the bolts. Red arrows indicate the direction of the wrench's rotation. A green arc connects the wrench to the bolt.
<p>7. Ensure that the bolts are properly seated by verifying that the bolt head is level with the machined shelf beside the hole.</p>	 A close-up diagram of a bolt head being checked against a machined shelf. The bolt head is shown in a cross-section view, and the shelf is shown in a blue background.
<p>8. Begin your bore. Closely monitor sonde temperature to prevent overheating.</p>	 A diagram showing a person using a sonde to bore a hole in the ground. The sonde is connected to a machine on the ground, and the person is standing next to it.
<p>9. When the bore is complete, remove the components from the housing body and clean all parts thoroughly.</p>	 A red stamp that says "JOB DONE" in a bold, sans-serif font. The stamp is tilted slightly to the right.