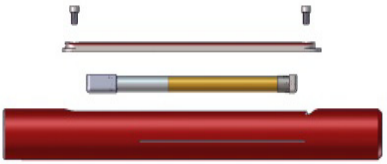
3742-HU3 (DIGITRAK)

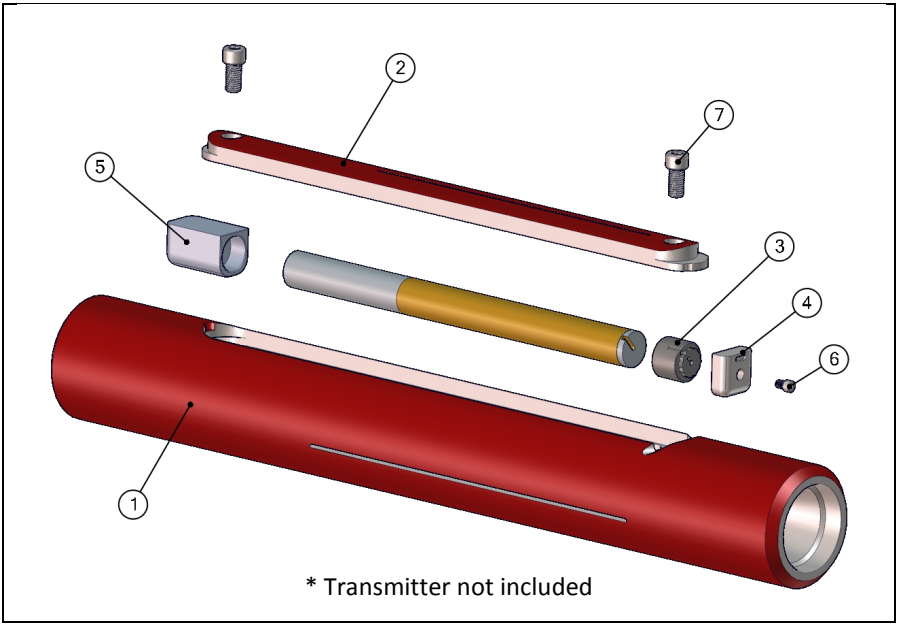
USER INSTRUCTIONS



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 indexing timer that locks in your clock position 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 (USA only) 1-888-258-0808 (USA & Canada)	

In The Box



* Transmitter not included

ID	Part Number	Description	REQ	SPARE
1	3742-HU3	Premium Sonde Housing	1	-
2	3742-HU3-CP	Sonde Pocket Cover Plate	1	-
3	3000-TIMER1	Sonde Timer Cap	1	-
4	3700-TIMER2	Sonde Timer Sprocket	1	-
5	3700-TIMER3	Sonde Back Support	1	-
6	SHCS-1/4X3/8 SS	1/4"-20x3/8” Stainless Steel Socket Head Cap Screw	1	-
7	SHCS1/2X3/4-N	1/2"-13x3/4" Socket Head Cap Screw with Nylon Patch	2	2
-	AW-3/8	3/8” Allen Wrench	-	1
-	AW-3/16	3/16” Allen Wrench	-	1

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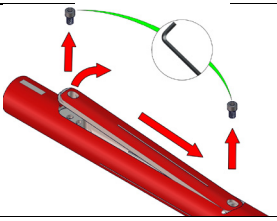
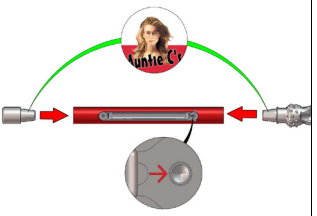
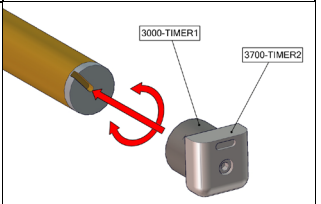
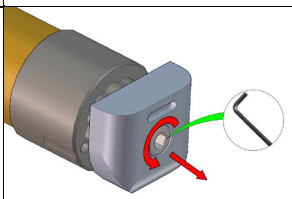
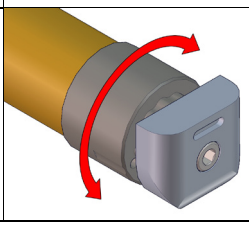
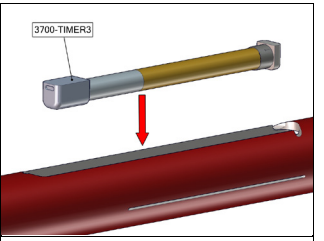
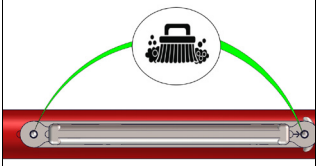
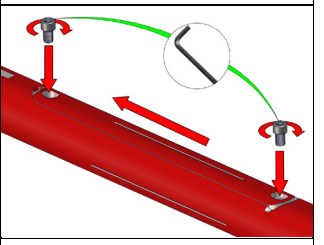
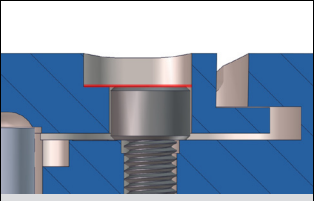
1.	Lock out the drilling machine, following the manufacturer's instructions, before doing any work to tools or drill stem.	
2.	Remove the lid bolts. Then remove the lid by sliding it forward and prying up from the back.	
3.	Apply anti-seize to threads. Install the drill head onto the front thread (indicated by the engraved arrow) and the removable tailpiece onto the back thread. Ensure that each of the bits are torqued to 2,500 ft-lbs.	
4.	Install the timer assembly (provided) onto the front end of the transmitter ensuring that the locating tab is engaged with the notch in the transmitter.	
5.	Adjust the clock position by loosening the bolt in the timer and separating the two components until the transmitter is able to rotate freely.	
6.	Rotate the transmitter relative to the front piece so that it will have the proper clock orientation, relative to the installed drilling head. Retighten the bolt to preserve the set orientation.	

7.	Add the O-rings and back timer piece to the transmitter. Install the transmitter assembly into the body pocket with the rounded portions of the timers down and the battery compartment towards the back.	
8.	Ensure that the bolt holes are completely clear of any debris as unclean holes can prevent bolts from properly securing the lid.	
9.	Replace the lid and install the bolts with the provided Allen Wrench. Tighten each bolt to recommended torque of 1,800 inch-pounds (200 N-m). **Replace bolts with new after 10 uses.**	
10.	Ensure that the bolts are properly seated by verifying that the bolt head is level with the machined shelf beside the hole.	
11.	Begin your bore. Closely monitor sonde temperature to prevent overheating.	
12.	When the bore is complete, remove the components from the housing body and clean all parts thoroughly.	

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