



Autohelm 4000 Lever Installation Instructions

Here's your clutch lever! The supplied pin that goes through the shaft and lever is a 1.5mm stainless steel roll pin. You've also been supplied with a 1/16" solid stainless steel pin which is a much stronger solution (recommended), but requires you to drill out (enlarge) the Autohelm shaft with a 1/16" bit. Follow these instructions carefully to insert the pin. It can be a challenging process.

*Please watch the 4 minute installation video on the **Support** page of i3DGear.com*

- 1) Make sure the hole in the metal shaft for the roll pin is still ROUND and hasn't been damaged. If it isn't round, carefully drill it out with a 1.5mm bit (roughly 1/16"). Drill SLOWLY and with VERY little force. If you're going to be using the 1/16" solid pin instead, then drill out (enlarge) the hole with a 1/16" bit. If you feel the bit grab, back off and start again.
- 2) Press or lightly tap the lever onto the shaft carefully until the edge of the lever is flush with the end of the shaft. It helps to put a flat object (like a kitchen knife) over the hole in the lever while pressing to stop the shaft when it is flush.
- 3) DO **NOT** ACTUATE THE LEVER WITHOUT THE PIN IN OR IT WILL STRIP THE D-HOLE IN THE LEVER!!
- 4) Align the pin hole in the lever with the shaft hole.
- 5) To determine if it is lined up, insert a thin piece of wire or paper clip through the hole and feel the edges of the hole with the wire until it is aligned perfectly. Pry the lever out with a kitchen knife if it is too far on the shaft.
- 6) You may pinch one end of the roll pin to make it go through the shaft hole easier. Insert the pointed end of the roll pin into the lever first.
- 7) Use a pair of pliers (channel lock pliers are best) on one side on the pin and the other on the other side of the lever.
- 8) Carefully apply force directing the pin straight through the hole. Go slowly and adjust the pliers frequently to make sure the pin is being pushed straight or it will bend.
- 9) If the pin is not going through easily, remove it and pinch the end of the pin to a point, make sure the hole is aligned perfectly and try again.
- 10) If the roll pin won't stay in or is too loose of a fit, put a slight bend in the middle of the pin and that will help hold it.
- 11) Press the pin through the shaft until it is flush with the outside of the lever.

If you have any problems, please contact me.

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