TEAM NCT
NEW CONCEPT TOOLS

SERVICE LINE PULLER KIT

Quick guide for installing a new service line more quickly and easily with less repair work.

NEW CONCEPT TOOLS

Service Line Puller Kit

Need to get a new service line installed more quickly, easily and with less repair work than before? Our service line puller kit can help. We've designed this kit to make pulling new service lines fast and easy, with minimal repair work required after the installation is complete. This kit includes all the pieces necessary to remove old copper, lead, steel and plastic pipes, with instructions laid out for both the 3/4"-1" kit and the 1-1/4"-2" kit.

3/4" - 1" SPK 63150 SERVICE LINE PULLER INSTRUCTIONS

To start the process, you'll need to dig a small pit, typically about 4 feet by 8 feet, at the curb box to expose the service line.

1. Clean up 6-8" of the exposed service line on the structure side of the curb, then cut it off using a wheel cutter. Make sure the cut is positioned to allow maximum room for a long pull by the excavator.

2. Inside the structure, at the opposite end of the service line, you'll need to disconnect the water meter and remove material around the service line to allow it to move as it's being pulled. Make sure there's enough clearance to get the Bullhead and related equipment through the hole.

3. If the ends have been damaged, the starter tool (63150 70) can be used to return it to round on both ends to allow for easy passage of the cable and connection of the Bullhead. If you're pulling iron pipe, start by inserting the starter tool and striking it several times with a sledgehammer to loosen the material around it. Feed the cable through from the curb end towards the structure end, all the way through until the cable comes out the other end.

4. At this point, you'll want to assemble the Bullhead (63150 20) and attach it to the new service line inside the structure.

Assembling the Bullhead

1. Before you begin, apply anti-seize compound to any threads to ensure easy assembly and disassembly. If you're running plastic pipe that is larger than the original service line, you'll need to place the plastic pipe splitter (63150 50) on the cable first, with the narrow end pointing away from the threaded end of the cable, towards the curb.

2. Now you can assemble the Bullhead onto the cable by tightening the allen screws. Start by alternating from left to right to secure the eight allen screws on one side, then tighten the three screws on the opposite side.

3. For plastic pipe, attach the plastic adaptor (63150 55) to the threaded end of the Bullhead, then slide your new pipe over the other end of the plastic adaptor shaft with the holes, drill or otherwise make a hole in the pipe, pass a nail, screw, bolt or similar fastener through the hole in the pipe and the plastic adapter, then secure the fastener in place. If you're running new metal lines, attach a brass compression coupling (purchased separately) to the threaded end of the Bullhead, then unscrew the other end of the brass compression coupling, place the nut and washer on the pipe, insert the pipe into the brass compression coupling and tighten the nut to hold it in place for the process.

4. At the opposite end of the cable, connect the cable grab (63150 25), hammer lock (63150 30) and oval link (63150 35) together and attach them to the cable and excavator. Always pull in a straight line to avoid weakening or fraying the cable. Pull the cable until the excavator has reached its maximum length, then release the cable from the cable grab, cut the length of pipe that is sticking out, attach the cable grab near the cut and pull the pipe again. Continue repeating these steps until the new line has been completely pulled through.

1-1/4" - 2" SPK 63153 SERVICE LINE PULLER INSTRUCTIONS

As with the smaller kit, you'll need to dig a small pit at the curb box to expose the line to be replaced, typically about 4 feet by 8 feet.

1. On the structure side of the curb, clean up 6-8" of the exposed service line and make a cut with a wheel cutter. Position the cut to ensure maximum room for a long pull with the excavator.
2. Inside the structure, disconnect the water meter and remove any material around the service line to allow it to move as it's being pulled. This should include all the room needed to pass the Bullhead and related tools through the foundation wall.
3. Feed the plain end of the cable through from the structure end towards the curb end, leaving the threaded end inside the structure.
4. At this point, you'll assemble the Bullhead (63153 10, 63153 30 or 63153 35) and attach it to the new service line inside the structure.

Assembling the Bullhead

1. Before you begin, apply anti-seize compound to any threads to ensure easy assembly and disassembly. Attach the Bullhead to the cable by threading the end of the cable into the smaller threaded end of the Bullhead.

1¼" Screw-On Bull Head | 1½" Screw-On Bull Head | 2" Screw-On Bull Head

2. Attach a brass compression coupling (purchased separately) to the threaded end of the Bullhead, then unscrew the other end of the brass compression coupling for a compression or flared adaptor, then insert the new supply line into the brass compression coupling and tighten the nut to hold it in place for the pulling process.

3. At the opposite end of the cable, you'll connect the cable grab (63150 25), hammer lock (63150 30) and oval link (63150 35) together and then attach them to the cable and excavator. Always pull the cable in a straight line to avoid weakening, fraying or otherwise damaging the cable. Pull the cable until the excavator has reached its maximum draw. Release the cable from the cable grab, cut and remove the length of pipe that is now sticking out of the earth, then attach the cable grab to the cable again near the cut and pull the pipe again. Continue to repeat these steps until the new line has been completely pulled through.

At New Concept Tools, we're devoted to developing the right tools needed for the water utility industry. Should you have any questions about the Service Line Puller kit, please feel free to contact us today at **(207) 588-1889** for assistance.

WATCH THE VIDEO

NEW CONCEPT TOOLS

25 Town Farm Road | South Barre, MA 01074
800-288-4668 | Fax: 978-355-6140 | Email: southbarre@qwater.com | www.newconcepttools.com