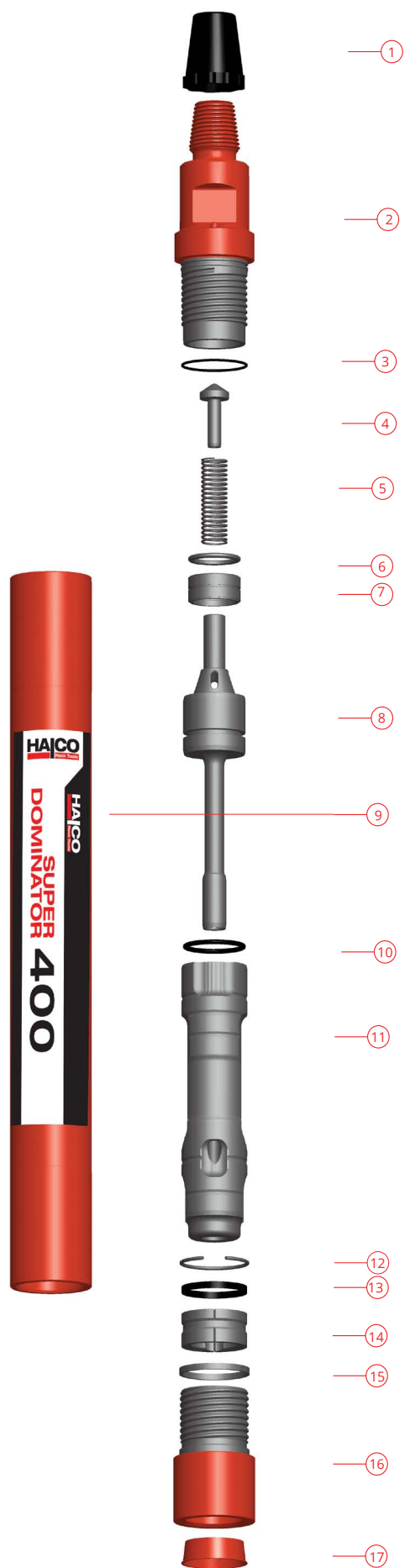


# SUPER DOMINATOR 400

## MAINTENANCE SHEET - HOW TO ASSEMBLE



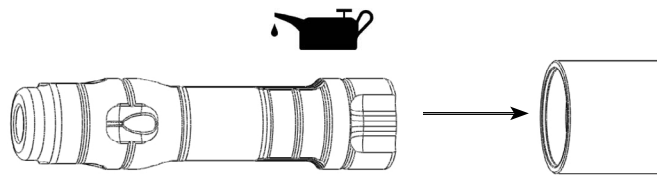
**A.** Before assembly ensure that all components are cleaned, greased and lubricated. Lay out components in the order of the illustration above for ease of identification.



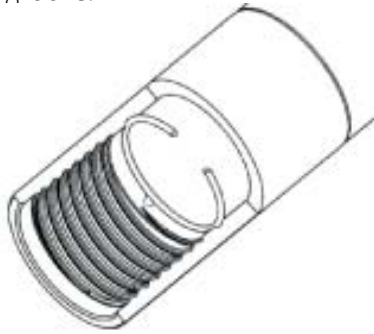
**B.** Secure Cylinder (9) on a bench or suitable stripping equipment. The cylinder is not reversible and the bottom of the hammer is the cylinder end where the internal snap ring groove is situated and the top of the hammer is the cylinder end with the machined flat.



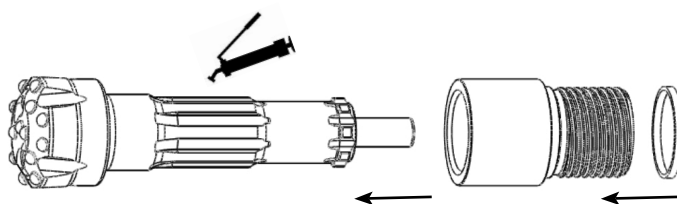
**C.** Coat Piston (11) liberally with rock oil - minimum 200 centistroke and insert into the bottom of the Cylinder (9). Ensure it is facing the right way as illustrated.



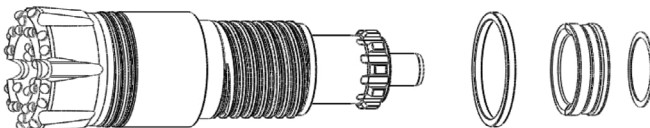
**D.** Insert Snap Ring (12) into Cylinder (9). Ensure it sits in the snap ring groove.



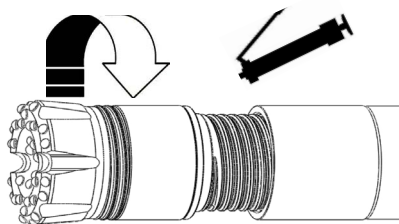
**E.** Fit Chuck Lock Ring (15) onto Chuck (16). Grease splines and fit Chuck (16) over the Drill Bit.



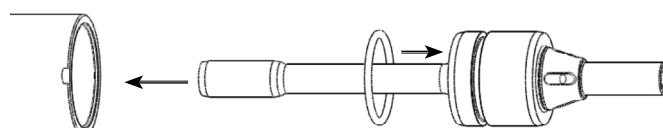
**F.** If required, fit the Containment Band (13) onto the Bit Retaining Rings (14). Fit the Bit it Chuck Spacer (18) over Chuck (19) and place the Bit Retaining Ring (17) onto the Drill Bit.



**G.** Grease threads and screw the Drill Bit, Chuck (16), Chuck Spacer (15) and Bit Retaining Ring (14) into the bottom of the Cylinder (12) until fully tightened.

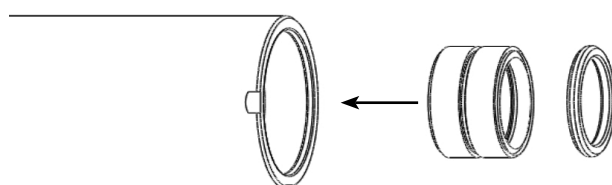


**H.** Fit the O'Ring (10) onto the Air Distributor (8). Insert the Air Distributor into the top of the Cylinder (9). Ensure it sits up against the internal shoulder.

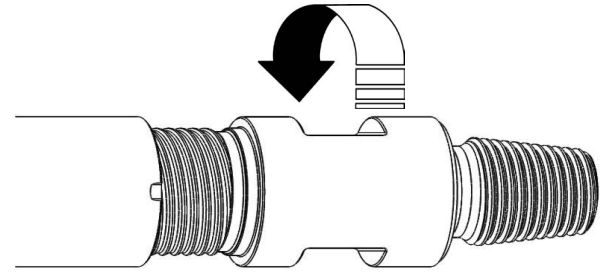


### SETTING CORRECT TOLERANCES

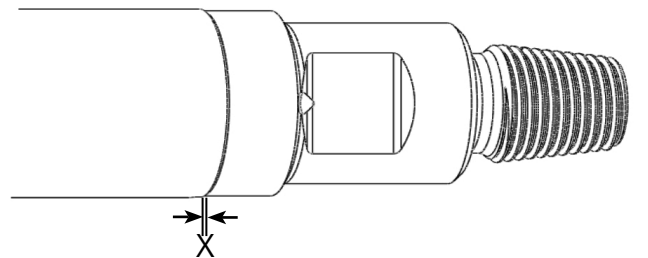
**I.** Insert Compression Ring (7) into the top of the Cylinder (10). Ensure the Compression Ring components are in the same sequence as originally fitted. Insert Shim (6) into the Cylinder (9). Ensure the Shim (6) fitted is thicker than the one one taken from the hammer.



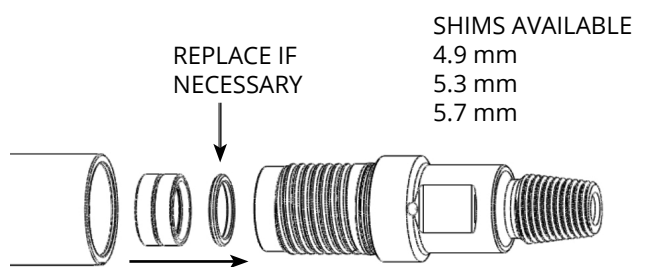
**J.** Screw the Top Adaptor (2) into the Cylinder (9) and hand tighten.



**K.** Measure the gap 'X' between the Top Adaptor (2) and the Cylinder (10). The correct makeup gap should be 2.5 mm - 3.0 mm (0.10" - 0.12").

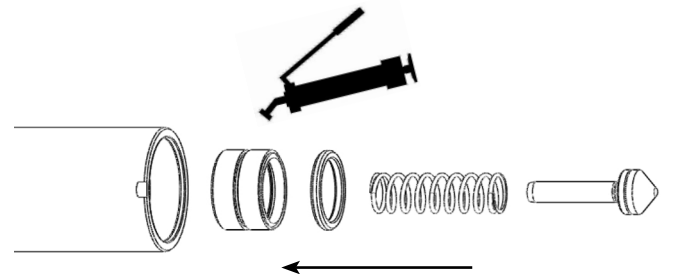


**L.** Unscrew the Top Adaptor (2) and remove the Compression Ring (7) and Shim (6) from the Cylinder. Replace Shim (6) if necessary in order that the makeup gap fall between the maximum and minimum figures stated above.

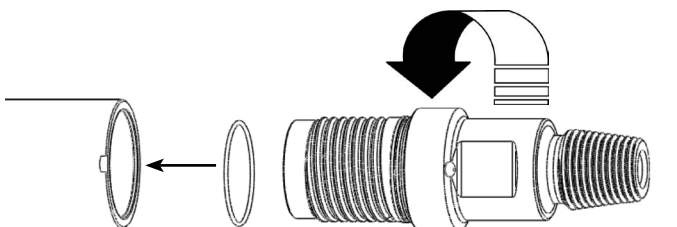


### FINAL ASSEMBLY

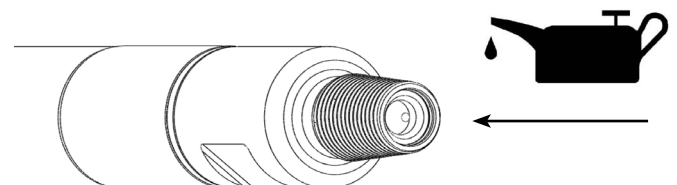
**M.** Grease Compression Spring (7) and along with Shim (6), N.R.V. Spring (5) and N.R. V. (4) insert into the top of the Cylinder (9).



**N.** Fit the O'Ring (3) onto the Top Adaptor (2). Grease threads and screw the Top



**O.** Depress N.R.V. (4) and pour 1/3 litre of air line oil into the hammer.

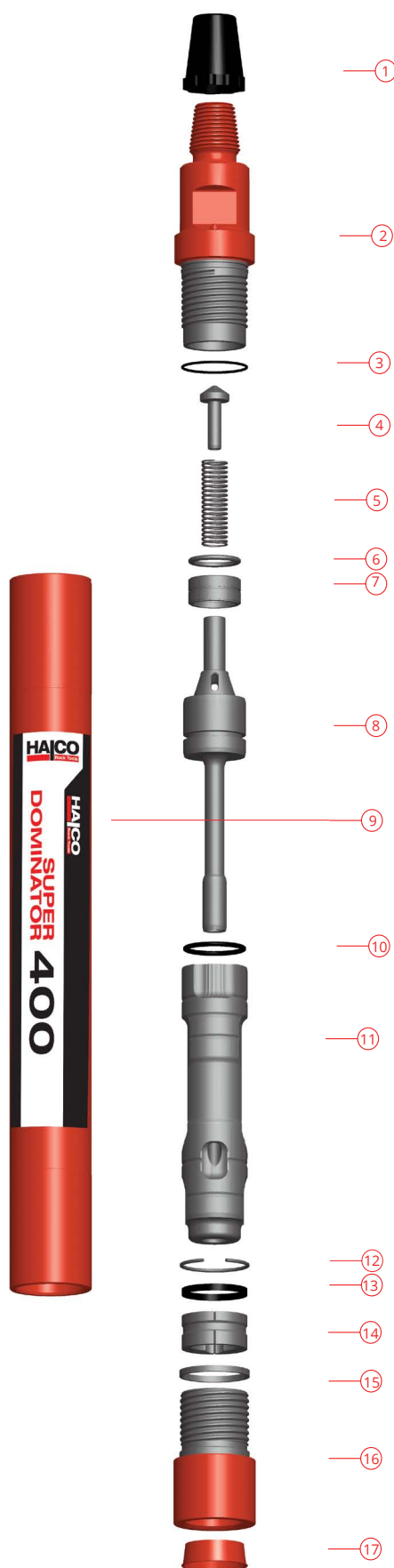


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# SUPER DOMINATOR 400

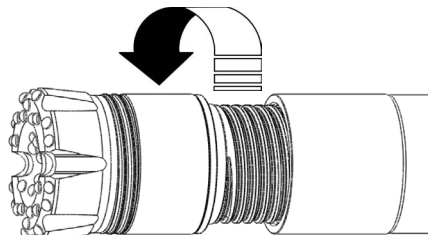
## MAINTENANCE SHEET - HOW TO DISMANTLE



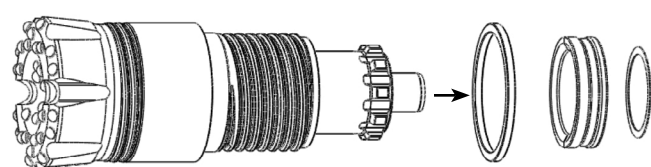
**B.** Break the top joint between the Cylinder (10) and Top Adaptor (2) and bottom joint between Cylinder (10) and Chuck (16).



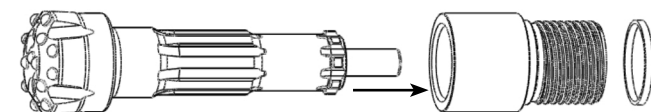
**C.** Unscrew and remove the Drill Bit, Chuck (16) and the Bit Retaining Rings (14) from the Cylinder (10).



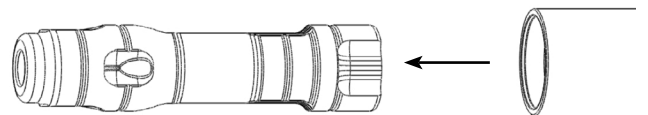
**D.** Remove the Bit Retaining Rings (14) from Drill Bit and remove Containment Band (16), if fitted, from Bit Retaining Rings (14).



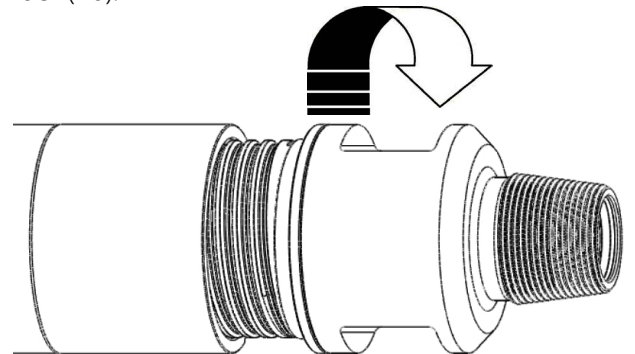
**E.** Remove the Chuck (16) from the Drill Bit and remove the Chuck Lock Ring (15) from the Chuck (16).



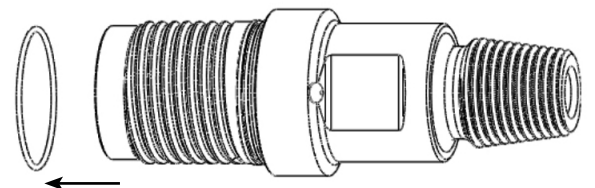
**G.** Remove the Piston (11) from the Cylinder (10).



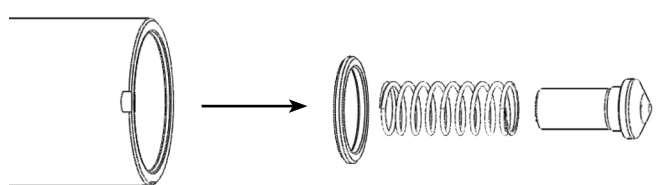
**H.** Unscrew and remove the Top Adaptor (2) from the Cylinder (10).



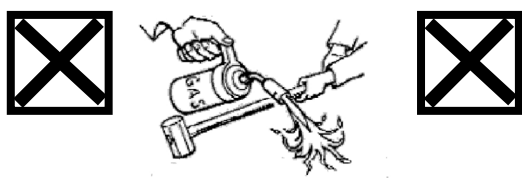
**I.** Remove the O'Ring (3) from the Top Adaptor (2).



**J.** Remove the N.R.V. (4), N.R.V. Spring (5) and Shim (6) from the Cylinder (10).



**DO NOT** apply heat or direct impact to the outside of the hammer as this usually damages the equipment.

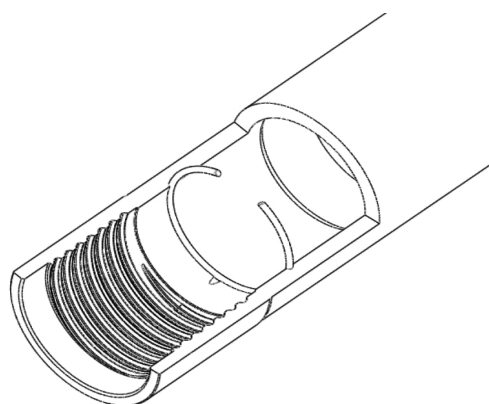
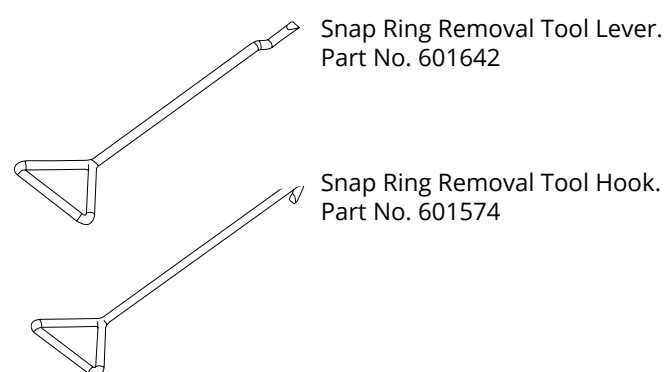


**A.** When dismantling hammers it is essential that cylinders are clamped in the correct position, away from threads, which can be damaged.

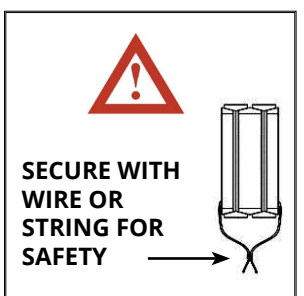
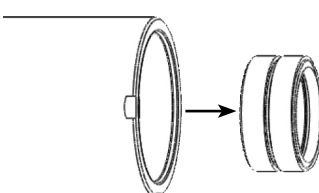


X & Y = DO NOT CLAMP HERE  
X = 190 mm (7.480")  
Y = 300 mm (11.811")

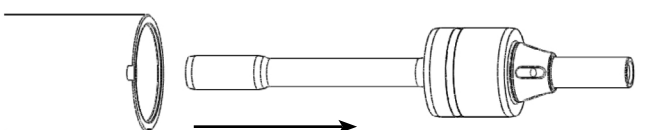
**F.** Remove the Snap Ring (12) from the Cylinder (10) using the tools illustrated below.



**K.** Remove the Compression Spring (7) from the Cylinder (10). **Ensure that eye protection is worn when removing the Compression Spring (7).** Remove with great care as the components may spring apart without warning if dropped. If removed intact, secure with wire or string before separating.



**L.** Remove the Air Distributor (8) from the Cylinder (10).



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