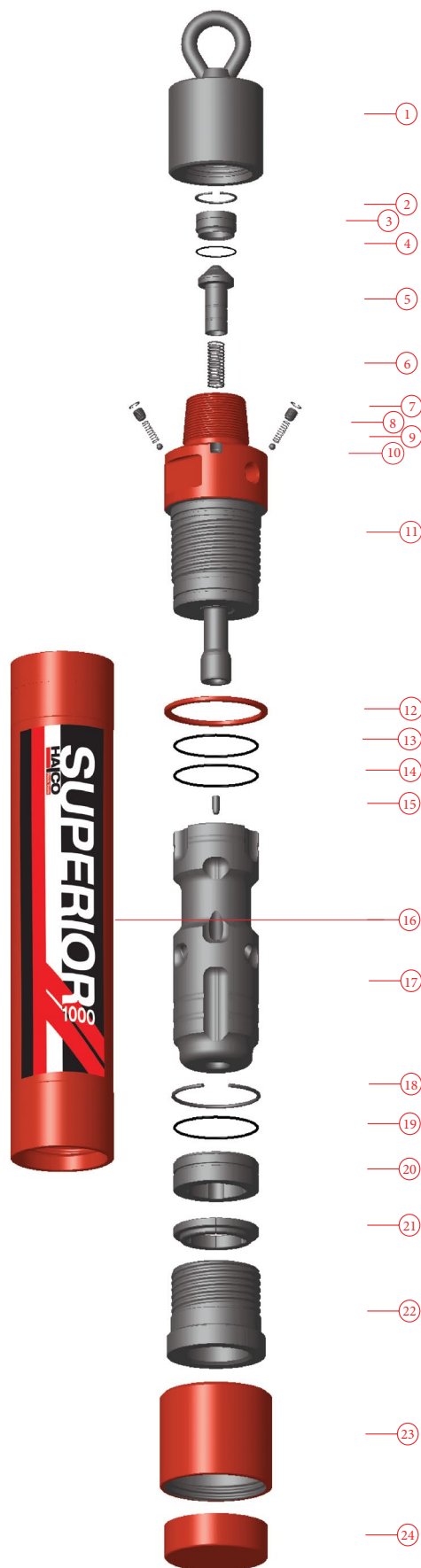


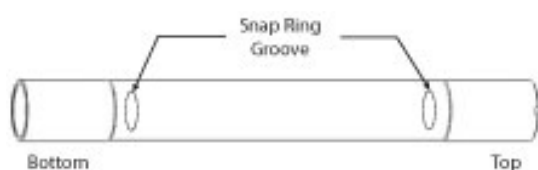
# SUPERIOR 1000 MAINTENANCE SHEET - HOW TO ASSEMBLE



**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.



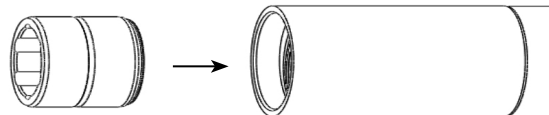
**B.** Secure Cylinder (16) on a bench or suitable stripping equipment. The cylinder has two identically positioned snap ring grooves and is reversible.



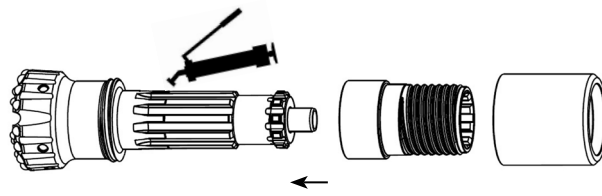
**C.** Insert Snap Ring (18) into bottom of Cylinder (16). Ensure that it sits in the snap ring groove.



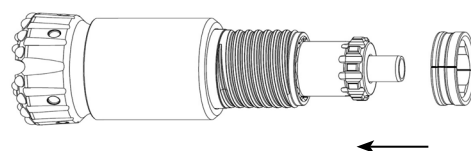
**D. TD90 VERSION ONLY** Fit 'O' Ring (19) onto Bit Guide Bush (20). Ensure it sits in the 'O'Ring groove. Insert Bit Guide Bush (20) into bottom of Cylinder (16).



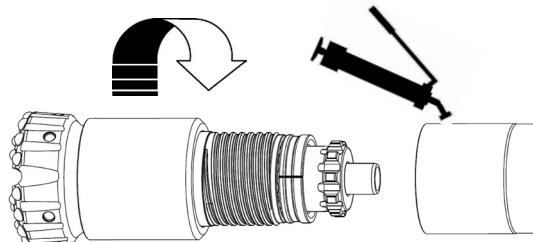
**E.** Grease Splines and fit Chuck (22) and Shroud (23) onto Drill Bit.



**F.** Fit Bit Retaining Ring (21) onto Drill Bit.

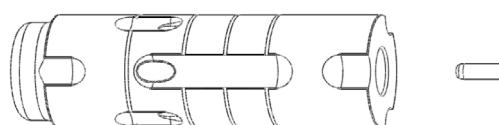


**G.** Grease threads and screw the Drill Bit, Chuck (22) and Bit Retaining Ring (21) into the bottom of the Cylinder (16) until fully tightened.



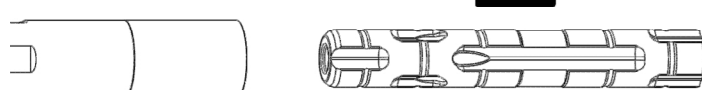
**H.** Insert Bleed Plug (15) into the top of the Piston (17). Ensure it is pushed fully into the bleed hole.

PLUGS AVAILABLE:  
BLANK  
4 mm  
6 mm  
8 mm

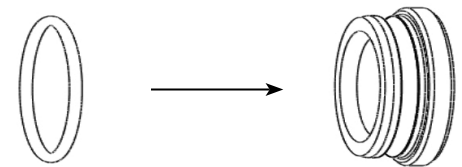


**I.** Coat Piston (17) liberally with rock oil - minimum 200 centistroke and insert into the top of the Cylinder (16). Ensure that the Piston is inserted the right way around - as illustrated below.

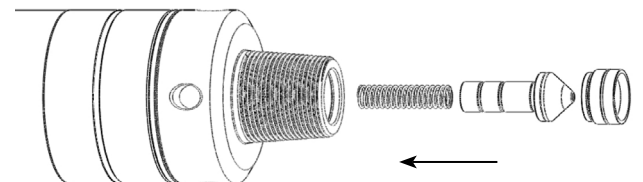
Top of Cylinder



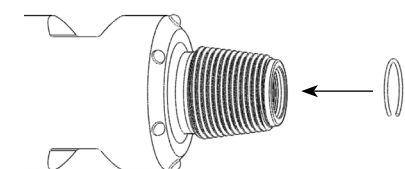
**J.** Fit 'O' Ring (4) to N.R.V. Seat (3). Ensure it sits in the 'O' Ring groove.



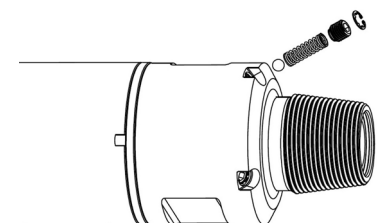
**K.** Insert N.R.V. Assembly (3-6) into Top Adaptor (11).



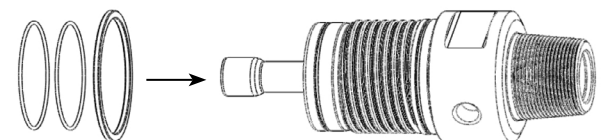
**L.** Insert Snap Ring (2) into Top Adaptor (11). Ensure it sits in the snap ring groove.



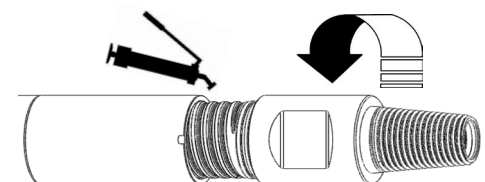
**M.** Insert Bypass N.R.V. Assembly containing items (7-10) into Top Adaptor (11).



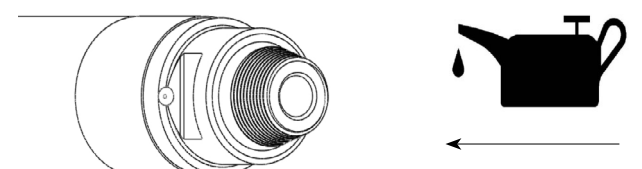
**N.** Fit 'O'Rings (13 & 14) and Spacer (12) onto Top Adaptor (11). Ensure the 'O'Rings sit in the 'O'Ring groove.



**O.** Grease threads and screw Top Adaptor (11) into Cylinder (16) until fully tightened.



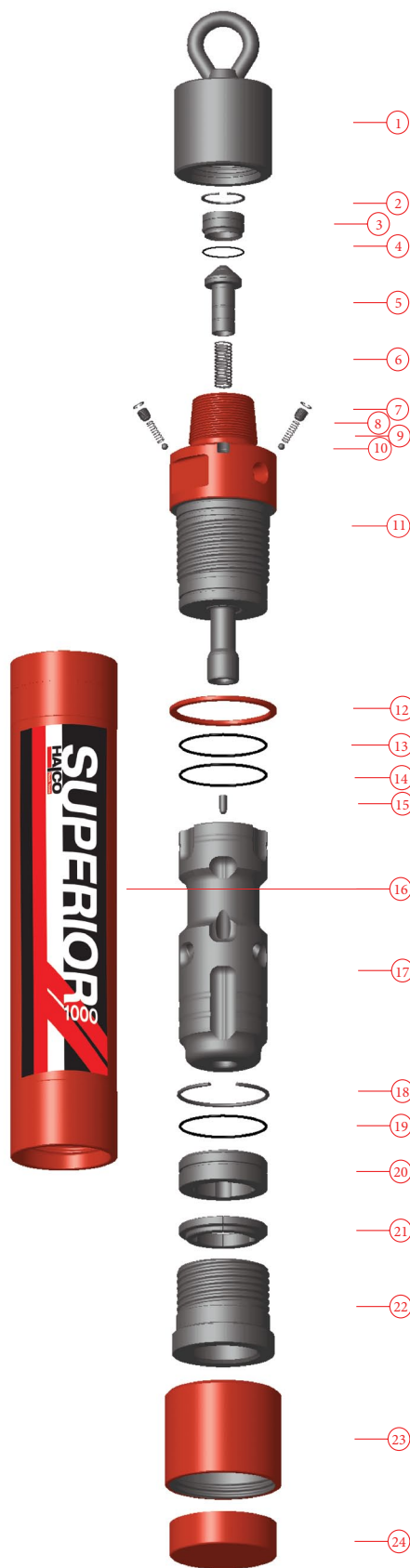
**P.** Depress N.R.V (5) and pour 1/3 litre of air line oil into the hammer.



If you need further assistance, please call us on:  
(0)1422 399900 or email [salesuk@halcorocktools.com](mailto:salesuk@halcorocktools.com)

**HAJCO**  
Rock Tools

# SUPERIOR 1000 MAINTENANCE SHEET - HOW TO DISMANTLE



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

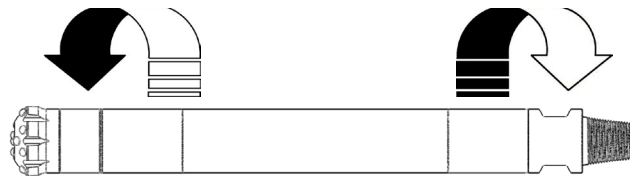


**A.** When dismantling hammers it is essential that cylinders are clamped into the correct position, away from threads, which can be damaged.

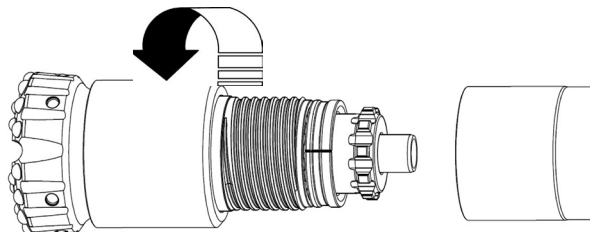


**X & Y = DO NOT CLAMP HERE**  
X = 285 mm (11.220")  
Y = 490 mm (19.291")

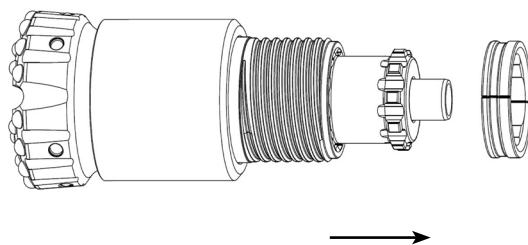
**B.** Break the top joint between Cylinder (16) and Top Adaptor (11) and bottom joint between Cylinder (16) and Chuck (22).



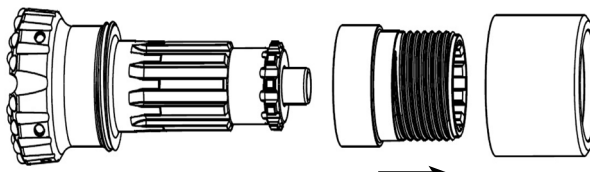
**C.** Unscrew and remove the Chuck (22) and Shroud (23) from the Cylinder (16).



**D.** Remove the Bit Retaining Ring (21) from the Drill Bit.

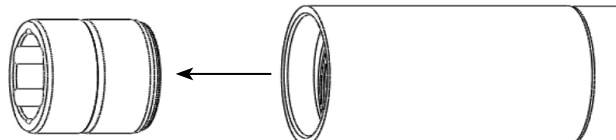


**E.** Remove the Shroud (23) and the Chuck (22) from Drill Bit.

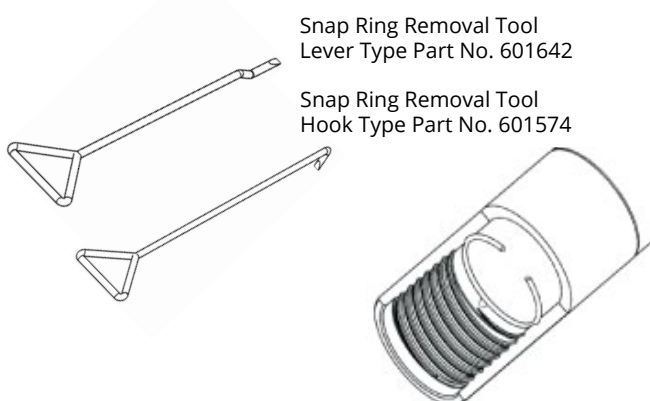


**F. TD90 VERSION ONLY (Items 19 & 20)**

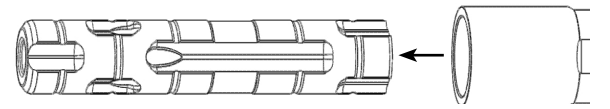
Remove Bit Guide Bush (20) from Cylinder (16). Then 'O'Ring (19) from Guide Bush (20).



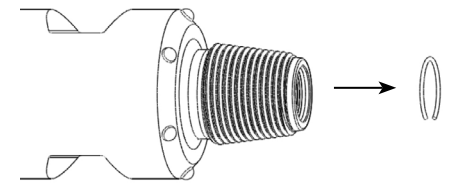
**G.** Remove Snap Ring (18) from the Cylinder (16) using the tools illustrated below.



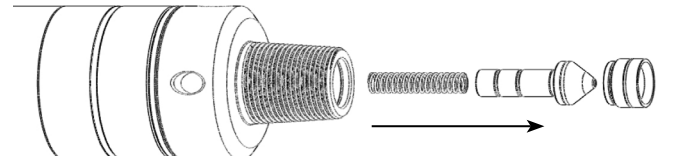
**H.** Remove Piston (17) from Cylinder (16).



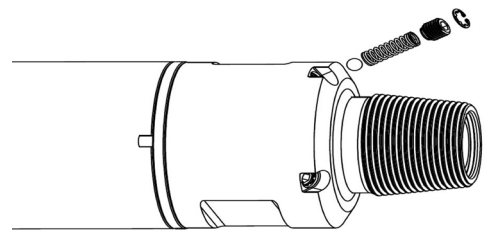
**I.** Remove Snap Ring (2) from Top Adaptor (11).



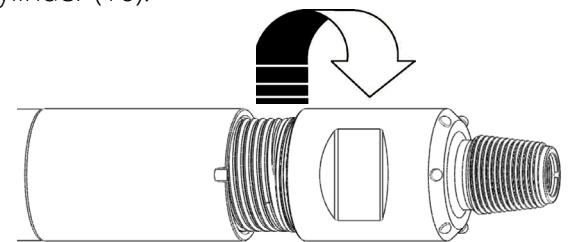
**J.** Remove N.R.V. Assembly (3-6) from Top Adaptor (11).



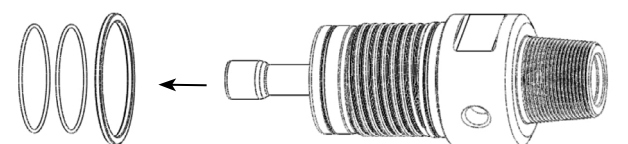
**K.** Remove Bypass N.R.V. Assembly (7-10) from Top Adaptor (11).



**L.** Unscrew and remove Top Adaptor (11) from the Cylinder (16).



**M.** Remove 'O' Rings (13 & 14) and Spacer (12) from Top Adaptor (11).



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