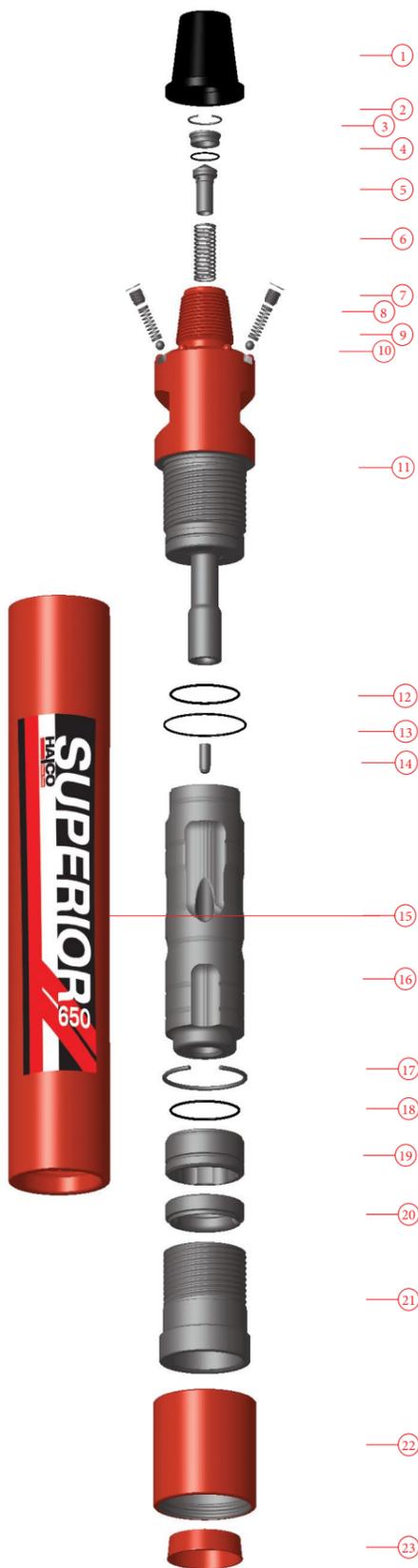
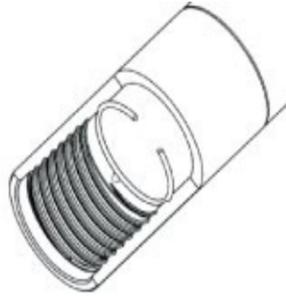


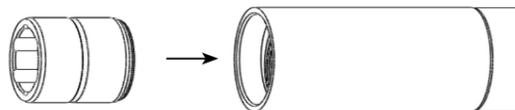
SUPERIOR 650 MAINTENANCE SHEET - HOW TO ASSEMBLE



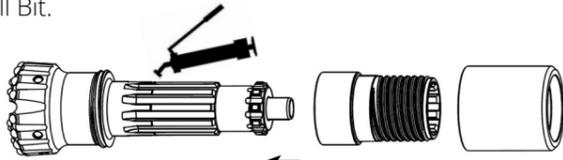
C. Insert Snap Ring (17) into bottom of Cylinder (15). Ensure that it sits in the snap ring groove.



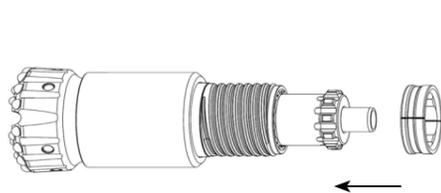
D. Fit 'O' Ring (18) onto Bit Guide Bush (19). Ensure it sits in the 'O'Ring groove. Insert Bit Guide Bush (19) into bottom of Cylinder (15).



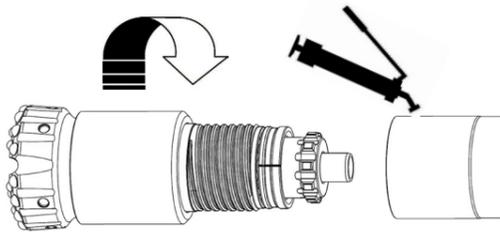
E. Grease Splines and fit Chuck (21) and Shroud (22) onto Drill Bit.



F. Fit Bit Retaining Ring (20) onto Drill Bit.

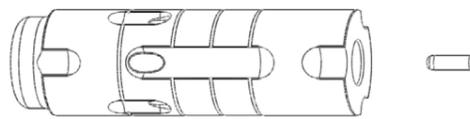


G. Grease threads and screw the Drill Bit, Chuck (21), Shroud (22) and Bit Retaining Ring (20) into the bottom of the Cylinder (15) until fully tightened.



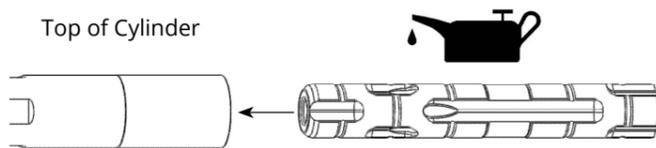
H. Insert Bleed Plug (14) into the top of the Piston (16). Ensure it is pushed fully into the bleed hole.

PLUGS AVAILABLE:
BLANK
4 mm
6 mm
8 mm

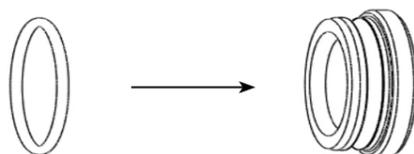


I. Coat Piston (16) liberally with rock oil - minimum 200 centistroke and insert into the top of the Cylinder (15). Ensure that the Piston is inserted the right way around - as illustrated below.

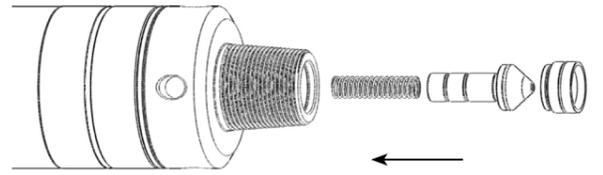
Top of Cylinder



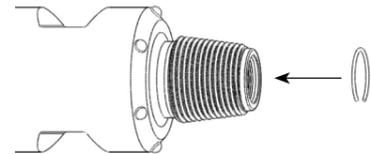
J. Fit 'O' Ring (4) to N.R.V. Seat (3). Ensure it sits in the 'O' Ring groove.



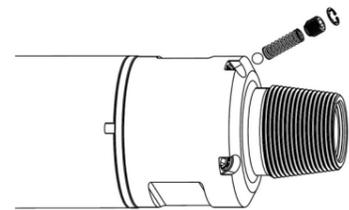
K. Insert N.R.V. Assembly (3-6) into Top Adaptor (11).



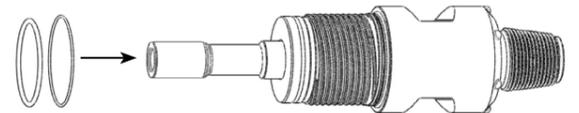
L. Insert Snap Ring (2) into Top Adaptor (11). Ensure it sits in the snap ring groove.



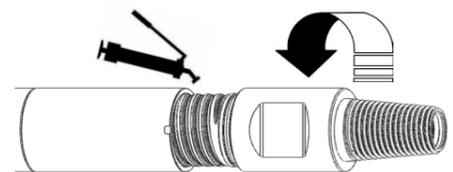
M. Insert Bypass N.R.V. Assembly containing items (7-10) into Top Adaptor (11).



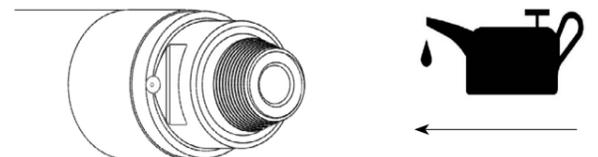
N. Fit 'O'Rings (12 & 13) onto Top Adaptor (11). Ensure they sit in the 'O'Ring grooves.



O. Grease threads and screw Top Adaptor (11) into Cylinder (15) until fully tightened.



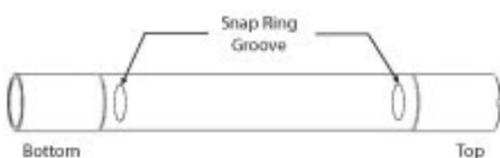
P. Depress N.R.V (5) and pour 1/3 litre of air line oil into the hammer.



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.



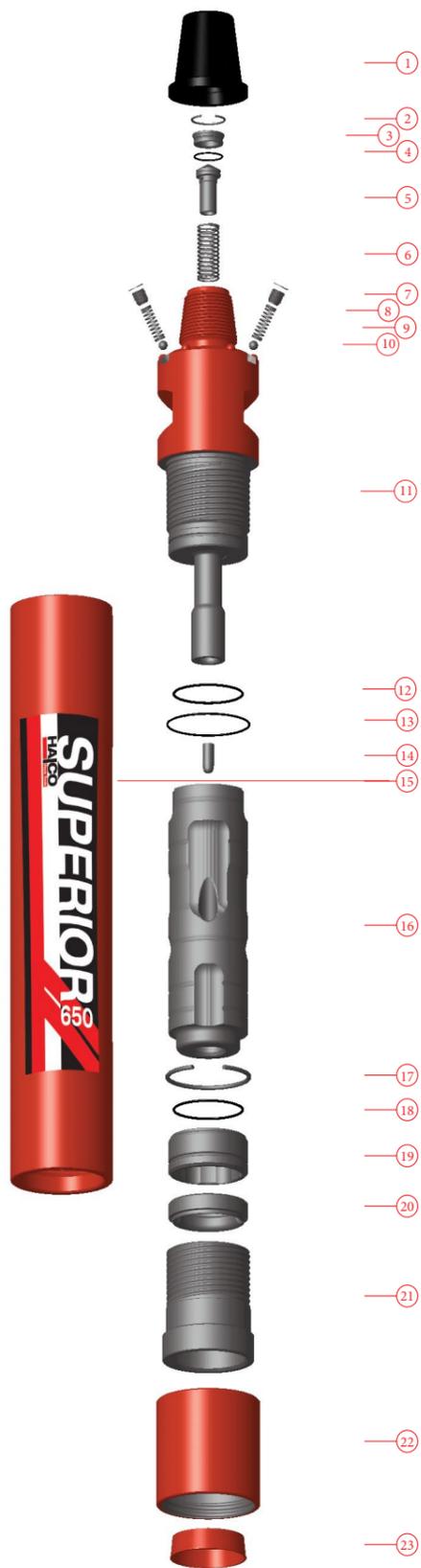
B. Secure Cylinder (15) on a bench or suitable stripping equipment. The cylinder has two identically positioned snap ring grooves and is reversible.



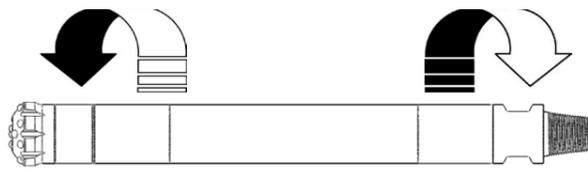
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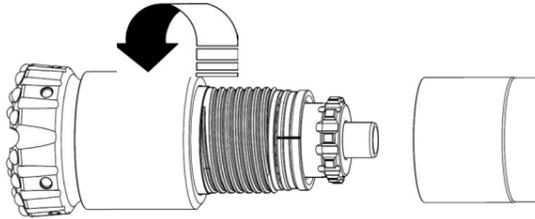
SUPERIOR 650 MAINTENANCE SHEET - HOW TO DISMANTLE



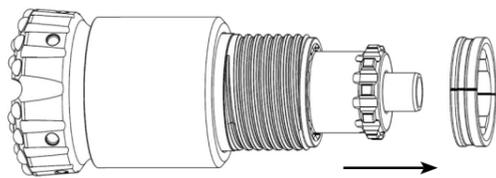
B. Break the top joint between Cylinder (15) and Top Adaptor (11) and bottom joint between Cylinder (15) and Chuck (21).



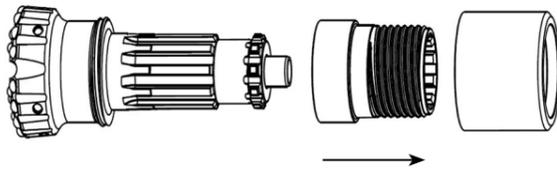
C. Unscrew and remove the Chuck (21) and Shroud (22) from the Cylinder (15).



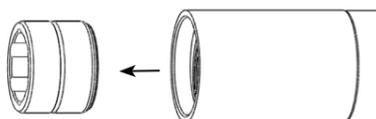
D. Remove the Bit Retaining Ring (20) from the Drill Bit.



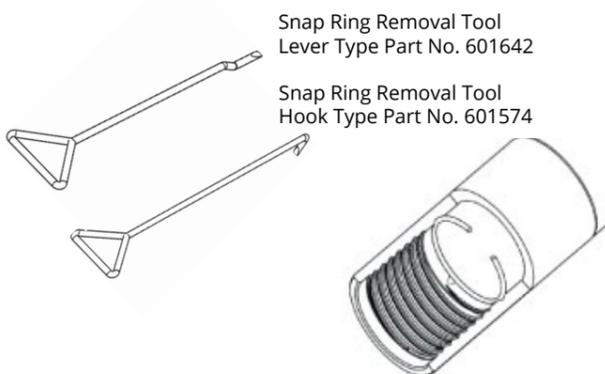
E. Remove the Shroud (22) and the Chuck (21) from the Drill Bit.



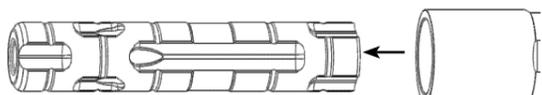
F. Remove the Guide Bush (19) from the Cylinder (15).



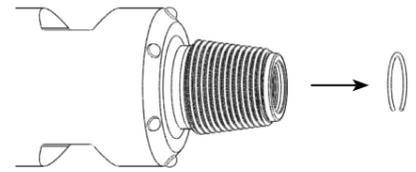
G. Remove Snap Ring (17) from the Cylinder (15) using the tools illustrated below.



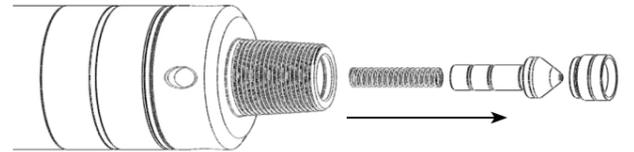
H. Remove Piston (16) from Cylinder (15).



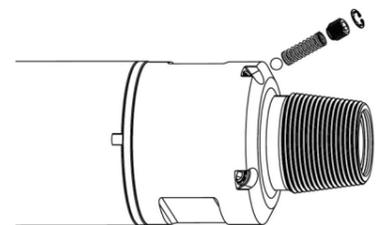
I. Remove Snap Ring (2) from Top Adaptor (11).



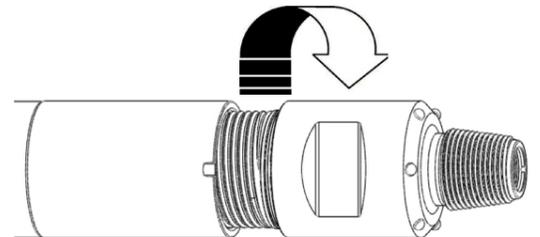
J. Remove N.R.V. Assembly (3-6) from Top Adaptor (11).



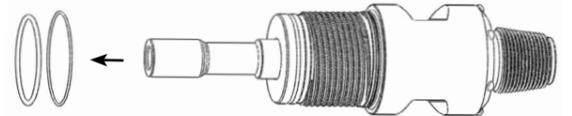
K. Remove Bypass N.R.V. Assembly (7-10) from Top Adaptor (11).



L. Unscrew and remove Top Adaptor (11) from the Cylinder (15).



M. Remove 'O' Rings (12 & 13) from the Top Adaptor (11).



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 = 200 mm (7.874")
Y = 390 mm (15.354")

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