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## Theoben Rapid Service Instructions

This service sheet is for all Rapid Models, replacement valves will be black Acetal, if you have a metal valve inside your rapid it will need replacing as the small white seal is no longer available, Service kits have enough "O" rings for 2 services.

1. Make sure the rifle is not loaded and there is nothing in the barrel, remove the magazine and bottle.
2. Remove Trigger guard for MKI versions using a 1/8 and 5/32 allen keys, and for all other models remove the large stock bolt using a 3/16 allen key.
3. Remove inlet adaptor (bottle union) or regulator if fitted, **use caution** as if it is regulated there might be pressure behind, to remove any regulated air it might be necessary to dry fire the rifle once or twice but no more as continued dry firing can bend the valve stem.
4. Remove the stainless steel valve blanking screw using a 3/16 allen key, this is located just below the barrel.
5. Remove the valve location screw, located on the right hand side of the action just below the magazine loading slot, use a 3/32 key or 2.5mm on newer models.
6. Now the valve can be removed with the stem, if it does not pull out from the front you will have to remove by pushing from the hammer end, on earlier models with pre series 4 triggers it is possible to dry fire the rifle which will eject the valve, **use caution as it can come out fast and cause injury**. on rifles with series 4 triggers it might be necessary once dry fired to remove the trigger using the 2 dowel pins holding it in place, this is necessary as the overtravel of removing the valve will allow the hammer to end up on the wrong side of the trigger sear, if you have a stubborn valve it will need hammers adjuster screw, hammer spring and hammer to be removed to allow access to the end of the valve where a parallel punch or similar can be used to push the valve out.
7. Using the "O" rings supplied replace all seals and wipe a small amount of the grease supplied around the seals and replace in reverse order, if you have purchased a new valve and stem simply fit this in replacement of your old parts.

NOTE: when fitting the valve location screw make sure it locates into the location slot in the valve body, if fitted correctly the valve transfer port will be facing upward towards the barrel, screw the valve location screw in and when fully down back of 1/4 of a turn, check the valve stem now moves freely as the location screw can hold the valve stem from moving, if this happens back of the location screw until the stem is free to move.

Once you have rebuilt the rifle you must make sure the power does not exceed the laws of your country, power adjustment is obtained from the power adjuster screw (hammer screw), use a good quality chronograph to obtain the correct velocity.

Also Available are Regulator service kits and bottle neck complete replacements