



Remote Bung Cap Removal Tool Assembly Instructions



1. Pull collar down on ratchet to fully extend.



2. Insert ratchet head and neck under spring.



3. Align ratchet drive with female insert on assembly, and raise ratchet handle until the ratchet drive is firmly seated into the assembly.



Remote Bung Cap Removal Instructions



1. Loosen the two knobs that adjust the tool vertically and horizontally.



2. Place tool on drum ensuring it aligns with the bung cap.



3. Hold wrench firmly in place while tightening adjustment knobs.

NOTICE The handle is always to the left side of the operator; with the ratchet lever toward the letter (L) for loosen.



Remote Bung Cap Removal Instructions



4. 4.a.

Using the six foot, rubber handled, ratcheting tie down strap, attach hook on ratchet side to the eyelet on base of tool and wrap strap around drum.



5. 5.a.

Secure second hook to opposing eyelet. Pump ratchet handle until tool is snugly secured to drum. Close ratchet handle to lock in place.



⚠ WARNING

Do not over tighten strap, this may cause the tool to lose proper alignment with the bung cap and further compromise the integrity of the drum. This could cause death or serious injury by allowing unrestricted release of pressurized contents of the drum. Failure to properly secure the PDRU to the drum could cause death or serious injury if the PDRU separates from the drum and is pulled toward operator. Always make sure all fasteners are properly tightened before operating the PDRU.



Remote Bung Cap Removal Instructions



NOTICE

6. Re-check that the bung driver is firmly seated into the bung cap with the handle to the left side of the operator and the ratchet lever is toward the letter (L) for loosen.



7.

Clip the J &D cable reel onto end of ratchet handle and unroll the cable until the device can be operated from a sheltered location or at a distance which the operator has determined to be beyond the range of the hazards presented by the contents of the drum and the extent of pressurization in the drum.



Remote Bung Cap Removal Instructions



8.



8.a.

Press & hold the cable reel locking thumb button at top of handle. Pull slowly to insure the drum is not pulled over; while pulling listen for the sound of escaping pressure; once the pressure release begins, stop pulling until the pressure release stops and again pull until all pressure release occurs then stop; continue venting the drum in this manner until the bung cap is removed and all pressure has been released.

NOTICE

Some drums may require a stationary object to secure to, such as, another full drum. A thirteen foot barrel stabilizer strap is furnished for this reason.



9. Using the two hooks, attach the metal handled barrel stabilizer strap around the upper portion of the pressurized drum and another full, non-hazardous drum or a stationary object such as, a post. Pull excess strap through spool. Pump ratchet handle until strap is taut; do not over tighten. Close ratchet handle to lock in place.

Ratchet Removal from Bung Wrench Assembly Instructions



1. Place bung wrench ratchet assembly on flat surface.



2. Compress release button, while gently prying fingers between ratchet head and bung wrench assembly base. If ratchet head doesn't come out, wiggle the end of handle while prying with fingers.



3. Once removed from base, turn ratchet wrench sideways and slide from spring cradle.



Remote Retaining Ring Removal Tool (Left Side Bolt) Assembly Instructions



1. Pull collar down to fully extend the ratchet wrench.



2. Looking at the back of the ratchet wrench, insure the lever is toward the letter (L) for loosen. The letter (T) is for tighten.



3. Push button on back of ratchet while inserting magnetic socket. Release button and snap into place.

NOTICE Pull socket to insure it is locked in place.



Remote Retaining Ring Removal Tool (Right Side Bolt) Assembly Instructions



1. Pull collar down to fully extend the ratchet wrench.



2. Looking at the back of the ratchet wrench, insure the lever is toward the letter (L) for loosen. The letter (T) is for tighten.



3. Push button on back of ratchet while inserting magnetic socket. Release button and snap into place.

NOTICE Pull socket to insure it is locked in place.



Remote Retaining Ring Removal Tool (Right Side Bolt) Assembly Instructions



4. Hook the return lever spring cradle onto the outside of the ratchet wrench handle.



5. Move the spring cradle down the handle and slide onto socket.



5.a



Remote Removal of Retaining Ring Bolt Instructions



1.



1.a.

Loosen knobs on the J & D Rigid Retainer. Pulling each side, slide open Rigid Retainer to fit on the drum.



2.



2.a.

Place the first retainer across the top of drum insuring not to obstruct the retaining ring bolt. Slide the sides firmly against drum and tighten knobs.



3.



3.a.

Repeating steps one and two, place the second Rigid Retainer diagonally over the first one. Firmly secure the six foot rubber handled tie down strap around the base of both retainers.

NOTICE The Rigid Retainer is used to prevent lid ejection during remote removal of the retaining ring bolt.



Remote Removal of Retaining Ring Bolt Instructions



4. Carefully insert magnetic socket ratchet wrench onto head of retaining ring bolt.

CAUTION Magnet is very strong. Keep fingers clear of bolt and socket area.



4.a.

NOTICE Lever spring is for right side bolt removal only.



5.

Clip J & D cable reel onto the end of handle and unroll the cable until the device can be operated from a sheltered location or at a distance which the operator has determined to be beyond the range of the hazards presented by the contents of the drum and the extent of pressurization in the drum.



Remote Removal of Retaining Ring Bolt Instructions



6. Press & hold the cable reel locking thumb button at top of handle.



7. Pull slowly to insure the drum is not pulled over; while pulling listen for the sound of escaping pressure; once the pressure release begins, stop pulling until the pressure release stops and again pull until all pressure release occurs then stop; continue venting the drum in this manner until the retaining ring bolt is completely removed, and all pressure has been released.



Remote Removal of Retaining Ring Bolt Instructions

NOTICE

Some drums may require a stationary object to secure to, such as, another full drum. A thirteen foot barrel stabilizer strap is furnished for this reason.



7. Using the two hooks, attach the metal handled barrel stabilizer strap around the upper portion of the pressurized drum and another full, non-hazardous drum or a stationary object such as, a post. Pull excess strap through spool. Pump ratchet handle until strap is taut; do not over tighten. Close ratchet handle to lock in place.



Magnetic Socket Removal from Retaining Ring Bolt Instructions



1. Press and hold release button on back of ratchet head while pulling ratchet from socket.



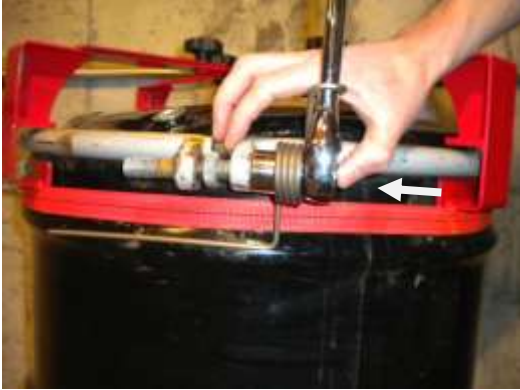
2. Remove lever spring from socket.



3. Insert retaining ring bolt into eyelet on ring and turn socket a few times to reconnect the ring.



Magnetic Socket Removal from Retaining Ring Bolt Instructions



4. Re-attach the ratchet to the socket by pushing the release button and snapping into place.



5. With one hand on the ratchet head, and one hand on the ratchet handle, firmly pull the handle to the left at a 45° angle removing the magnetic socket from the bolt.