



India Mark II Water Tank Replacement

Remove or replace the water tank on an India Mark II water hand pump.

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INTRODUCTION

Remove or replace the water tank on an India Mark II water hand pump.

TOOLS:

- **Open End Wrench (2)**

An adjustable type wrench will allow you to use one wrench on various bolts and nuts.

- **Smart Wrench (1)**

Step 1 — Cover Plate



- Use a wrench to remove the bolt on the top of the cover plate.
- *i* When replacing the cover plate, this bolt only needs to be hand tight.

Step 2



- Remove the top cover by pulling it straight off the pump.
- *i* Store the top cover in a sanitary place, preferably above ground, to prevent contamination.

Step 3 — Head Section



- Pull the pump handle all the way down and hold it in this position, exposing the pump rod.
 - Place the spacer around the pump rod and under the chain attachment point.
- ⚠** Make sure the spacer is beveled side down, and flat side up.
- Lift the pump lever until there is no tension in the chain and hold it in this position.

Step 4



- Remove the bolt connecting the chain to the pump handle.
- Remove the chain from the handle.

Step 5



- There are 4 bolts securing the head section to the water tank, located at the corners of head section base.
- ⚠ Continue supporting the pump handle so the pump head doesn't fall off when all the bolts are removed.
- Remove the 4 bolts on the base of the water tank.

Step 6



- Lift the pump head off of the water tank and place in a sanitary place, preferably above ground, to prevent contamination.

Step 7 — Water Tank



- Lift the plunger assembly and separator plate and place a rod clamp below the separator plate.
- Tighten the rod clamp and gently set the separator plate on top of it.
- Remove the spacer.

Step 8



- Hold the rod clamp steady while removing the chain from the pump rod. Check the chain for signs of damage.
- *(i)* Extend the chain sideways and use it as a lever as demonstrated in the first picture.
- Remove the lock nut by turning it counterclockwise.
- Remove the separator plate.

Step 9



- Reinstall the lock nut.
- Install a T-handle, screwing it down against the lock nut.

Step 10



- Lift up on the T-handle to take pressure off the rod clamp.
- Remove the rod clamp and slowly lower the T-handle.

⚠ The pump rod will rest on the end cap, located below the cylinder of the pump. It is important to lower the T-handle slowly to prevent damage to the pump.

Step 11



- There are 4 bolts securing the water tank to the pump base. They are located at the bottom corners of the water tank.
- Remove the 4 bolts on the base of the water tank.

Step 12



- Lift the water tank up approximately 1 foot.
- Place a base clamp around the exposed pipe and tighten it against the riser main.

Step 13



- Secure the base clamp to the pump base with two bolt and nut sets installed on opposite sides of each other.
 - Hand tight will be sufficient for securing the base clamp.
 - Use the nuts and bolts removed from the water tank base or head section base.

Step 14



- Turn the water tank counterclockwise until it comes free from the pipe.
- ⚠ Make sure to keep the tank level to prevent cross threading.
- Lift the water tank up against the T-handle and secure the rod clamp to the pump rod.

Step 15



- Remove the T-handle.
- Remove the water tank and check for signs of blockage.
- Store in a sanitary place to prevent contamination.

To reassemble your device, follow these instructions in reverse order.