

SAFE-HIT[®]

RubberTough[®] 360

Field Service Flexible Hinge Replacement Instructions

This procedure describes the process to service the RubberTough 360 flexible hinge on an existing assembly in the field with the socket base still attached to the ground.

IT IS THE RESPONSIBILITY OF THE INSTALLER TO MAINTAIN A SAFE WORK AREA INCLUDING THE USE OF STANDARD WORK ZONE SAFETY EQUIPMENT & PPE: GLOVES, SAFETY-TOE SHOES, EYE & EAR PROTECTION

Recommended Tools & Materials

- Socket Wrench
- Torque Wrench - Capacity [30 ft.-lbs.]
- 3/4" Socket
- Pry Bar or Large Flat Blade Screw Driver
- RT 360 Replacement Hinge
- 12" Socket Extension
- 9/16" Box End Wrench
- 9/16" Socket
- Utility Knife

Procedure

Step 1: Cut away the old hinge tube with the utility knife.

Step 2: Use the 3/4" socket wrench with the 12" extension to remove the 1/2" bolt in the center of the hinge.

Step 3: Use a pry bar or large flat blade screwdriver to remove the hold-down disc.

Step 4: Remove the broken section of hinge from the socket mount by prying between the hinge lip and the socket mount flange while pulling up on the hinge with your hand. Twisting the hinge may make it easier to remove.

Step 5: Assemble the lock washer, washer and hold-down disc on the 1/2"-13 x 2-1/4" bolt and insert it in the hinge tube with the 3/4" socket on the socket extension as shown.



Important: Position the flat of the hold down disc so that it faces the hole in the side of the hinge tube.

Step 6: While holding the bolt and hold down disc assembly in the bottom of the hinge tube, insert the hinge tube assembly into the socket base and align the index mark on the hinge tube to the long side of the socket base plate. Torque the 1/2" bolt to manufacturer specification [30 ft-lb].

Step 7: Drop the inner tube into the hinge tube.

Steps 8, 9 & 10: Place the post on the hinge and insert the 3/8" x 4" bolts with the flat washers and locking nuts. Tighten the nuts until they are flush with the bolt end.

See photos on reverse

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RubberTough® 360 Flexible Hinge Replacement



Step 1: Cut away old hinge tube.



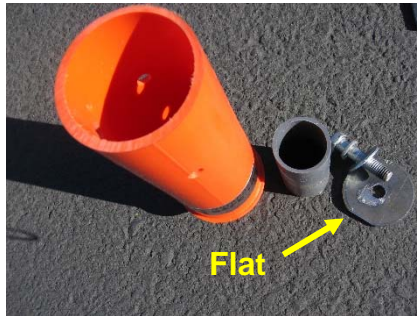
Step 2: Remove 1/2" center bolt.



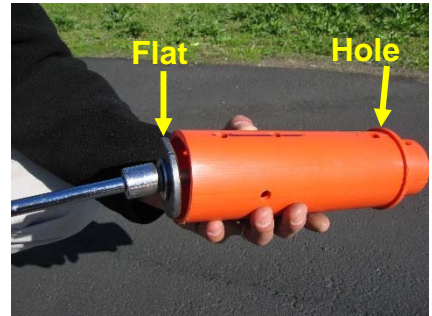
Step 3: Remove hold-down disc.



Step 4: Remove the old hinge section.



Hinge Section Parts: hinge tube, inner tube, hold-down disc with 1/2" bolt and washers.



Step 5: Insert the hold-down disc assembly into the hinge tube.



View looking inside the hinge tube. Flat is lined up with the hole.



Step 6: Align the hinge tube index mark and torque the 1/2" bolt [30 ft-lb].



Step 7: Drop the inner tube into the hinge tube.



Step 8: Place the post on the hinge.



Step 9: Attach the 3/8" x 4" bolts with flat washers and locking nuts.



Step 10: Tighten the nuts until they are flush with the bolt end.