

## Nose Cap assembly

The Nose cap is designed for Harbor Freight flat bottom long jack. The first design featured a simple bolt that passed through the large hole in the jack end. It utilized a ¼” bolt that was positioned near the top of the large hole in the jack end. 2 problems with that arrangement were variations in both the jack end diameter and location of the hole with respect to the flat top.

Revision A to the nose cap design addresses both tolerance issues by providing a curved clamp with the bolt positioned in about the center of the large hole in the jack end. It clamps the nose cap securely to the jack ram and accommodates position variation in the large hole in the jack ram.

The cap will accommodate a jack nose diameter of 1.023 to 1.050”

The clamp is installed on the cap and a light layer of paint applied as shipped. The paint may hold the clamp in place during shipping and handling, but will shear off when the bolt is tightened. If it comes loose while handling, carefully insert it into the hole so the curve of the clamp matches the curve of the inside of the cap.

The clamp is a close fit to the hole in the side of the cap. Make sure the pointed edges of the clamp go in the hole of the nose cap. When tightened the clamp edges should engage the edges of the large hole in the end of the jack.

Remove the bolt leaving the curved washer in place. Slip the cap over the jack nose.

Insert the bolt.

Align the hole in the jack nose with the large hole in the cap:

Rotate the cap counter clockwise to the limit of rotation. Mark that position with a pencil.

Rotate clockwise to the limit of rotation and mark that position with a pencil.

Rotate counter clockwise to the mid point of the 2 extremes.

The cap should be resting on the end of the jack nose. Insert the bolt and tighten. The cap should now be snug. Tightening the bolt will also spread out the clamp further securing it to the nose cap.

Tightening the bolt with the clamp improperly inserted into the hole in the side of the cap may bend it making it impossible to insert into the hole in the cap.



Carefully read and comply with the safety information provided with your Jack.

We hope you find this nose cap useful, however no guarantee of suitability for any given purpose is provided, but would be happy to refund the cost of the product if returned to us if you are not satisfied.

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