

BULLDOG RUBBER SEALING RING SYSTEM

Installation Procedure and Proper Care & Use Tips

The Bulldog Rubber Sealing Ring System is designed to utilize the bead area of the radial tire in order to establish a quick uniform seal. The Bulldog Rubber Sealing Ring works with “extended skirt” envelopes used in “rimless” system precure retread facilities.

Correct Installation Procedure for Sealing The Envelope:

1. Select the correct ring diameter by matching the ring size description with the inside diameter or “rim size” of the tire.
2. With the envelope on the tire make sure the skirt edge extends past the bead toe by at least a ½” all the way around the bead.
3. Insert the collapsed ring firmly into the bead opening of the tire such that the envelope is between the exterior ring face (rubber ribs) and the tire bead face. Ensure that the handle/J-hook Saddle is positioned at 12 O’clock while the envelope valve is positioned between 5 and 8 O’clock. Lock the handle from “open” position to “closed” to form a seal (see diagrams on following pages).
4. Repeat above steps 1-3 on the other side of the tire.
5. Perform vacuum check on the envelope tire assembly. If vacuum test fails check the following:
 - (1) Envelope skirt is at least ½” past the bead toe all the way around the bead on both sides of the tire.
 - (2) Ensure the Bulldog Rubber Ring is uniform and fully inserted in the bead of the tire on both sides. If eschew, unlock ring, push firmly into bead, and relock ring.
 - (3) Check valve and adapter for leaks.
 - (4) Check envelope for hole or other leak.
 - (5) Check Bulldog Rubber Ring ribs for wear – if worn move pin position to next diameter position and reseal Bulldog Rubber Rings in bead of the tire.

Care & Use Tips:

- The Pull Pin provides adjustments for tire variances and wear of the rubber ribs on the ring. Pin position (1) is the smallest diameter while position (3) is the largest diameter.
- When the rubber rings are new with ribs at 3/32” full life most tires will seal best at pin position (1) (this is how your new rings will be delivered to you). As the rubber ribs wear pin position (2) can be utilized to form a seal. In rare cases if pin position (2) doesn’t establish a seal you may have to try pin position (3); but at this stage it is likely that the rubber ring needs to be replaced.
- Advancing the pin position prematurely can wear the rubber too quickly or cause complications with the metal band. It is advised to start in pin position (1) and advance only as needed to establish a seal.
- Rings should be stored in a rack or stacked neatly when not in use.
- Although Bulldog Rubber Sealing Rings require very little attention or maintenance it would be wise to inspect your sealing rings whenever you perform regular shop maintenance and cleaning. Inspections should include a visual check of both the rubber and metal parts of the ring.
- Rubber rings should be replaced when the rib depth measures 1/32” or less on tread depth gauge.



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Diagram 2

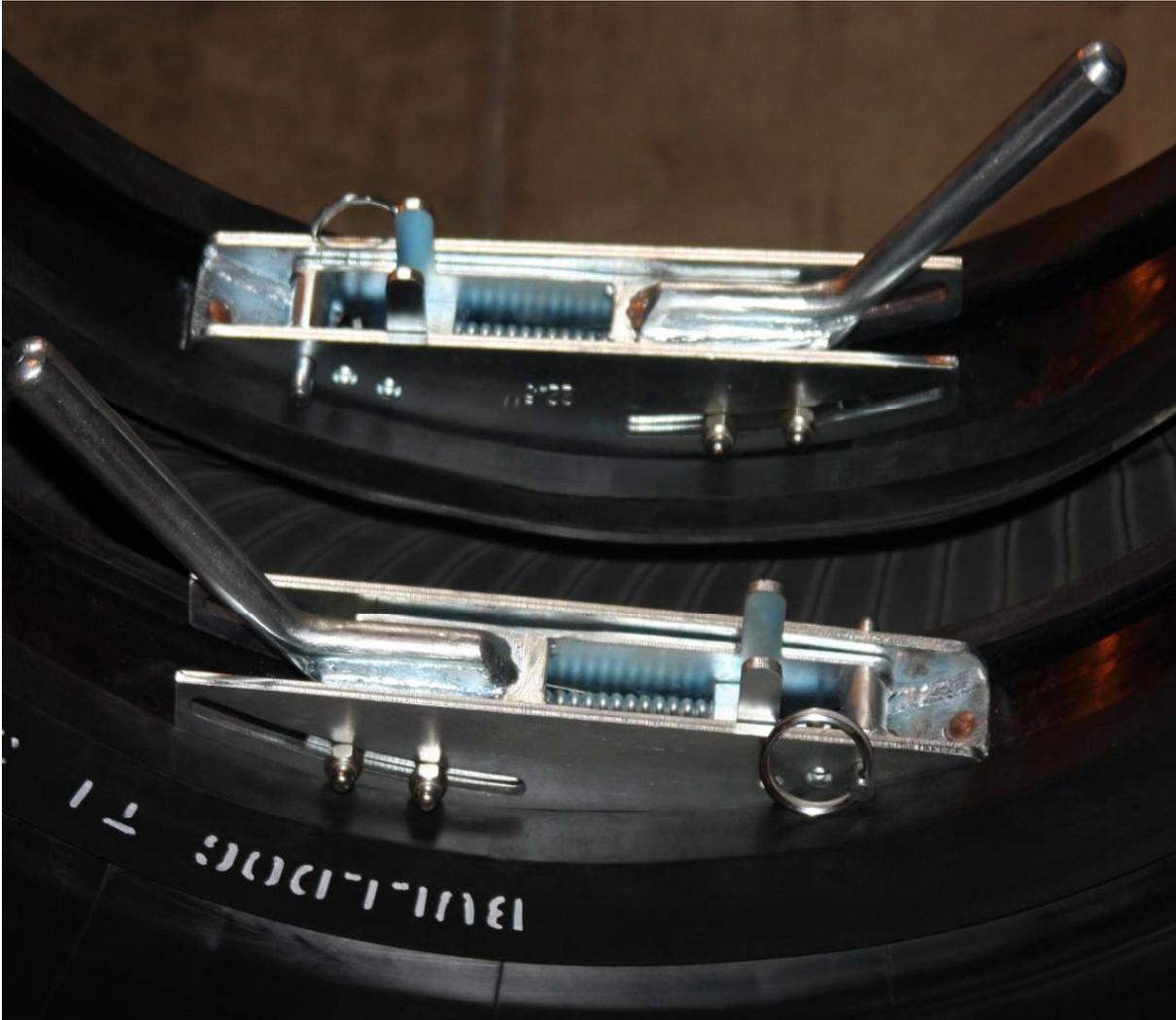
J-Hook Saddle



Valve Position Range

Diagram 3

J-Hook Cradles In Tire



Rubber Ring Ribs