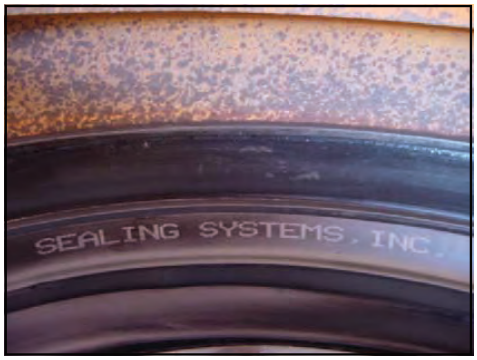
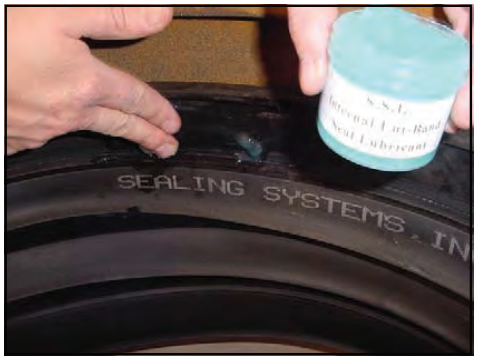
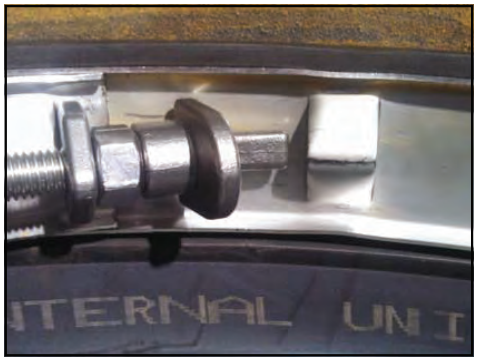
S.S.I. Internal Uni-Band Installation Procedures



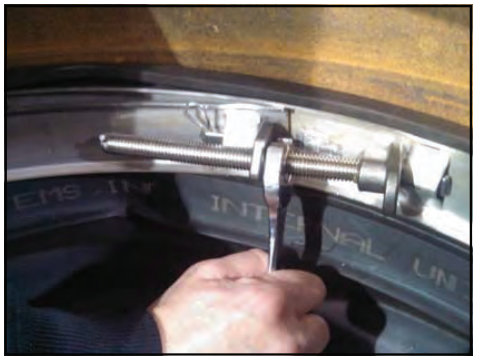
1 Use appropriate tools to make sure structure is free of any loose debris or protruding objects. Then position the rubber seal into the structure with the printing at the top in an upright position.



2 Wipe off the top and bottom ring placement channel areas inside the seal and apply a small amount of seal lubricant to the area the expansion rings will set in.

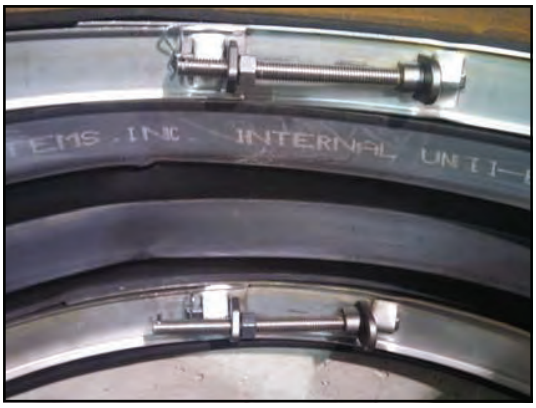


3 Install the first stainless steel ring and expansion bolt in the top channel area so that the free end of the expansion bolt will slide into the slot on the ring.

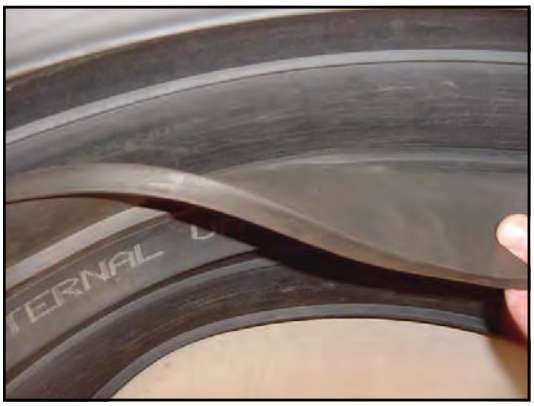


4 With a 3/4” wrench placed on the nut of the expansion bolt, pull the wrench up which will extend the ends out of the expansion bolt, thus expanding the ring. Extend the ends of the bolt until you have a firm expansion of the ring against the seal.

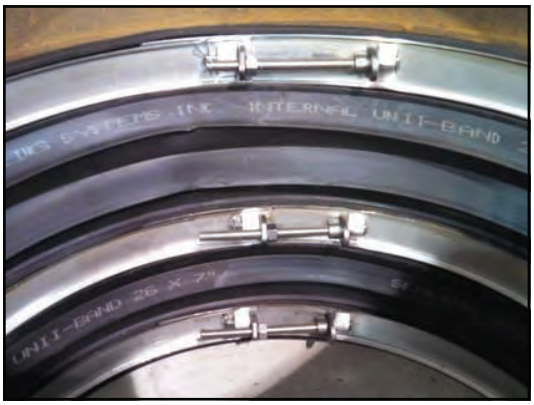
Required Tools:
Wire Brush, Whisk Broom, Hammer, Gloves, Rags, Screwdriver, and Crescent or 3/4” Wrench.



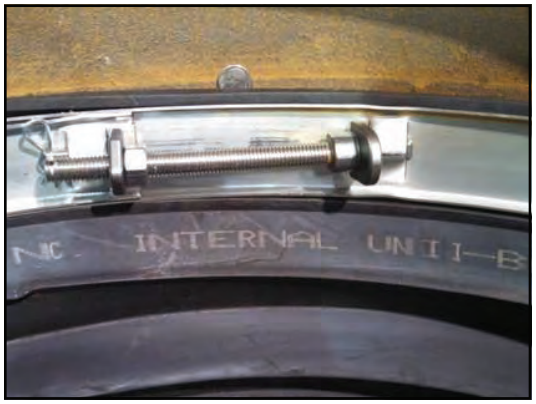
5 Lubricate the lower channel inside the seal and install the stainless steel ring in the same way as the upper ring, with the expansion bolt positioned directly below the one above keeping the rings parallel. The lower channel of the seal and stainless steel ring may be moved up closer to the upper ring if only a limited height is available.



6 If an extension is being used, position it such that the top channel portion of the extension fits snug overlapping the above seals lower ring channel. Lubricate the inside of the extension ring channel, install the ring and expansion bolt then expand the ring as before, thereby expanding both the extension and the seal against the manhole surface. If multiple extensions are required repeat step 6.



7 Position the extensions bottom ring channel against the vertical sealing surface of the cone. Lubricate the ring channel and place the stainless steel ring into the channel and expand the ring as before.



8 Check the top and bottom edges of the installed seal to insure they have been properly compressed against the surfaces.

Sealing Systems, Inc. 9350 County Road 19 • Loretto, MN 55357
763-478-2057 • 800-478-2054 • Fax 763-478-8868 **www.infi-shield.com**

S.S.I.
SEALING SYSTEMS, INC.