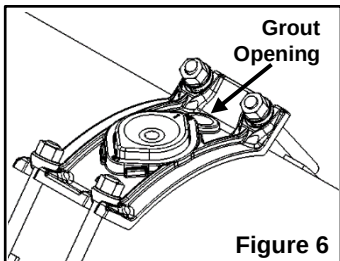
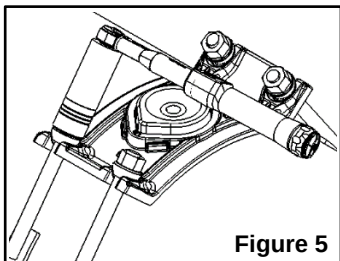
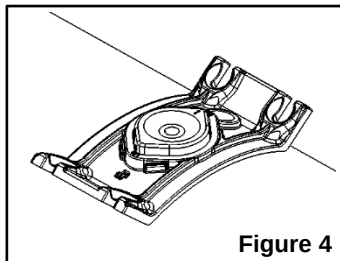
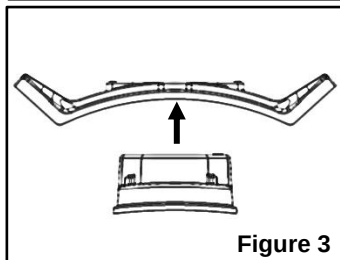
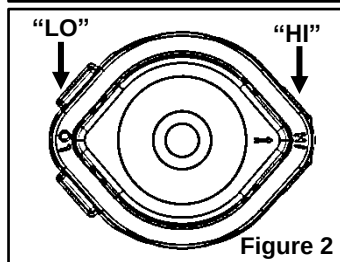
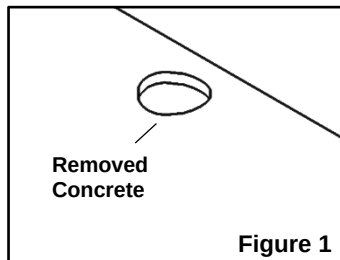


Installation Instructions

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Service Saddle for Concrete Cylinder Pipe



STEP 1

Inspect the shipment received to ensure no damage has occurred during transit and that no hardware is missing. Ensure the service saddle is the proper type, tap size, and correct pipe size range for the installation prior to beginning.

STEP 2

At the point where the tap will be made, remove the concrete coating to expose approximately a 4" to 5" diameter area of the steel cylinder (Figure 1).

STEP 3

Remove any reinforcing wire and clean the steel cylinder to provide a smooth surface for the O-ring gasket to seal against. Clean steel cylinder surface thoroughly, particularly in area where O-ring will seat. Remove any scale, dirt, or debris that could affect the gasket seal.

STEP 4

Check O-ring gasket on tapped boss to make sure it is clean and properly positioned.

STEP 5

Place the tapped boss in position in the saddle body with the offset raised shoulders engaged in the recesses provided "HI" position (Figures 2 & 3).

STEP 6

Place the saddle body and tapped insert on the pipe with the O-ring bearing against the cleaned section of the steel cylinder (Figure 4).

STEP 7

There should be sufficient clearance between the saddle body and the concrete coating to allow the O-ring to properly seat during tightening.

STEP 8

If there is insufficient clearance, remove the saddle body and tapped insert. Rotate the tapped insert 180° so the offset raised shoulders do not mate with the recesses in the saddle body ("LO" position see Figure 2). Replace the saddle body and tapped insert on the pipe with the O-ring bearing on the cleaned section of the steel cylinder.

STEP 9

The grout opening in the saddle body should be on the high side of the tapped boss.

STEP 10

Put the saddle straps around the pipe and engage the hemispherical washers in the hemispherical slots in the saddle body (Figure 5). Tighten nuts evenly to approximately **60-70 ft-lb**.

Use of a calibrated torque wrench is recommended!

STEP 11

Make connection to the saddle boss. Use a good quality pipe thread compound that is both a lubricant and sealant (also called pipe dope, paste, etc.). Do not use tape type products! Use a thread compound that meets the requirements of the water supplier. Care should be taken not to cross thread or twist/rock the saddle body while making the connection. Pressure testing for leaks prior to making the tap is recommended.

After completing tapping operation, fill the grout opening with concrete, bitumul, or other suitable material to restore the coating around the tap (Figure 6).

Installation Instructions

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Service Saddle for Concrete Cylinder Pipe



IMPROPER INSTALLATION CAN RESULT IN PRODUCT FAILURE.
Failure to follow proper installation procedures can result in dangerous pipe content escape, property damage, serious injury, and/or death. Read the product installation instructions prior to installing this product.

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WARRANTY

Smith-Blair, Inc. warrants its products to be free of defects in materials and workmanship for a period of one (1) year from the date of shipment by Smith-Blair, Inc. (the "Warranty Period"). Dated proof of purchase, such as a bill of sale, is required to establish warranty eligibility. If a product fails to perform due to a defect in materials or workmanship during the Warranty Period, Smith-Blair, Inc. will repair or, at Smith Blair, Inc.'s option, replace the product with the same or comparable item. In the event that the product cannot be repaired and a suitable replacement item is not available, Smith-Blair, Inc. will refund the original purchase price shown on the proof of purchase. In all cases, the customer is responsible for returning the allegedly defective product to the factory or warehouse designated by Smith-Blair, Inc.

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CORROSION & PRODUCT SELECTION NOTICE

Metal products are subject to corrosion, particularly when used outdoors and/or underground. A large number of factors and local conditions affect the rate of corrosion. Consult a local corrosion expert to determine the life expectancy of this product when used with your pipeline content, soil, and environment. Also, consult your system designer to determine the suitability of this product in your piping system. Failure to determine the suitability of this product in your application, soil, and/or environment can result in premature product failure. Smith-Blair will provide additional information about this product's material specifications at your request. You may also obtain product information at www.smith-blair.com.

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