

1. As with any boot-type connector, first check hole to make sure that it is free of dirt and debris. Patch any voids with slurry and allow to dry completely before installing PSX:Direct Drive.
2. Select the correct PSX:Direct Drive wrench. The wrenches and the adjusters are sized so that only the correct wrench can be used with each size adjuster, and will provide the correct torque. **DO NOT USE ANY OTHER SIZE OR TYPE OF WRENCH TO INSTALL PSX:DIRECT DRIVE.**
3. Place the PSX:Direct Drive Connector in the hole with the adjuster mechanism in position so that it will be at the top of the hole (9 to 3 o'clock) in the final installed position of the manhole. Align the Connector so that it is square to the hole.
4. Place the wrench on the adjuster nut so that the arm of the wrench is on the installer's left side. This will ensure that the proper orientation is maintained.
5. Begin to tighten the PSX:Direct Drive Connector by pulling the wrench handle toward the outside of the manhole. The wrench will ratchet back easily at the end of the stroke. If the Connector has multiple adjusters (28" and higher), tighten each adjuster five times, alternating them in sequence so that installation pressure is evenly distributed.
6. Continue tightening until proper torque is reached. The wrench will signal this by "breaking" slightly. If in doubt torque has been reached, tighten again and wrench should "break" quickly and easily. If there are multiple adjusters, make sure that the wrench "breaks" at each one. Installation is now complete.



To remove an installed PSX:Direct Drive Connector, simply reverse wrench position and loosen Connector. Connector may be reused without further adjustment. 8QRS and 9QRS are designed to be installed from the inside of the manhole. If being installed from the outside, the arm of the wrench needs to be on installers right hand side.

Protected by one or more of the following patents: 6805359, 7146689, 7263746

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