

Monitoring Well Retrofit Lid Fasteners Installation Instructions

Kit # 818404001 for Models 818-402-01 and -02

This kit is used to convert these manhole covers from bolt-down style to stud/nut style.

Tools required:

- 9/16" wrench or socket with ratchet
 - 3/16 " Hex key
1. Identify the well that needs modification.




Figure 1: Lid for 818-403 Monitoring Well

2. Have tools available to install the kit.
3. Remove bolts and washers from the cover.



Figure 2: Loosen Bolts

4. Remove the cover.
5. Use compressed air to clean out the bolt holes.

Warning  **Wear eye and ear protection when using compressed air.**

6. Apply Loctite™ thread-locker to the bottom 2-3 threads of the set screws (the end without the socket).



Figure 3: Apply Loctite™ to the Set Screws

7. Insert the set screws into the bolt holes and use the 3/16" hex key to thread the set screw 4 or 5 turns.
8. Measure the height of the set screws and verify that it is approximately 5/8".

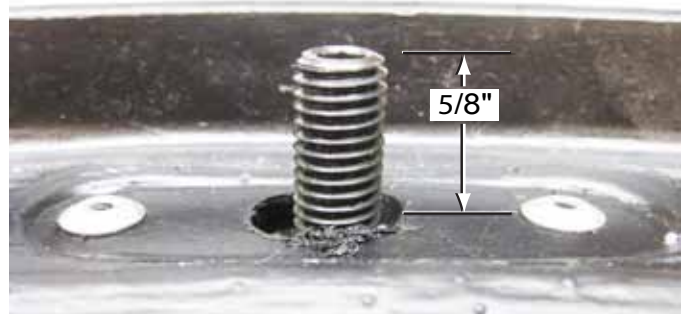


Figure 4: Check Set Screw Depth

9. Allow 10 minutes for the Loctite to cure.
10. Install the cover.
11. Install the new washers over the set screws.
12. Tighten the nut onto the set screws and verify that the top of the set screw does not go past the top of the nut.



Figure 5: Nut on Set Screw