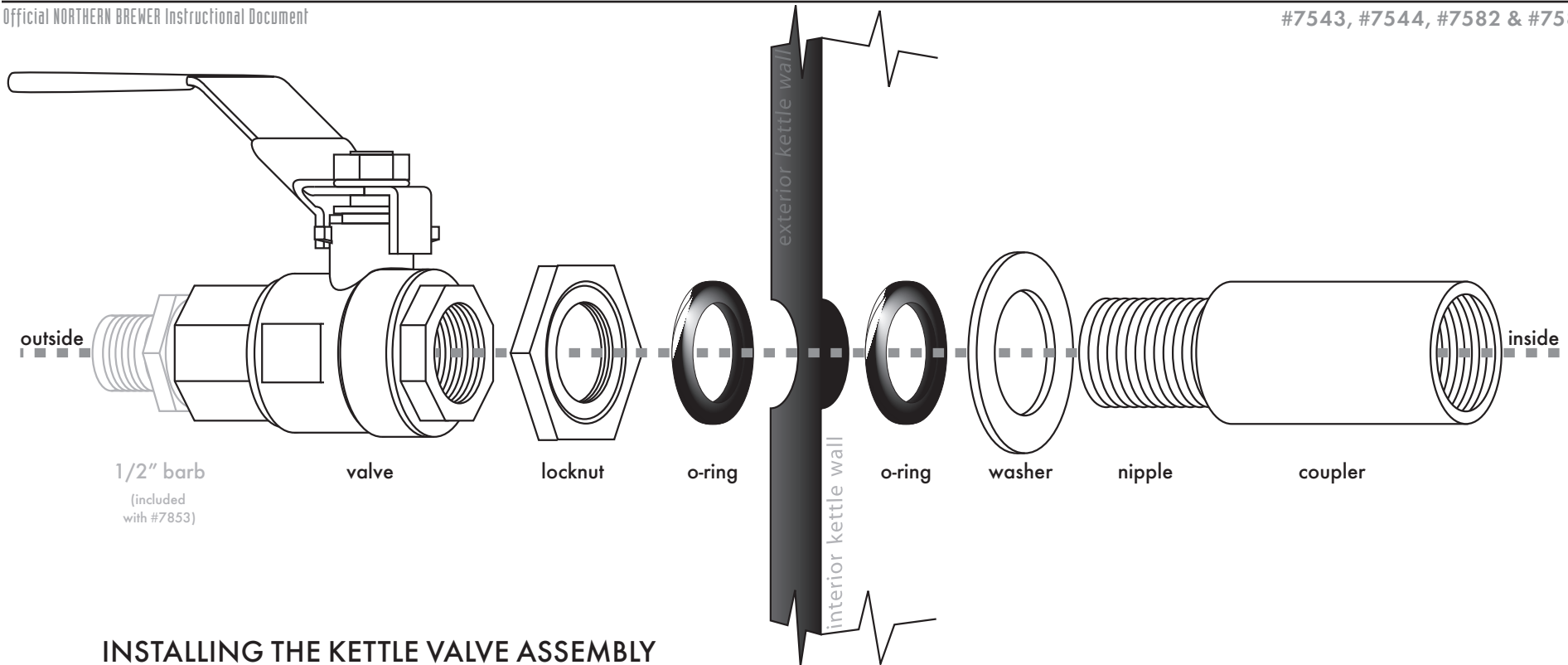


VALVE AND BULKHEAD ASSEMBLY FOR KETTLES

Official NORTHERN BREWER Instructional Document

#7543, #7544, #7582 & #7583



INSTALLING THE KETTLE VALVE ASSEMBLY

- 1. DRILL A 7/8" HOLE IN YOUR KETTLE.** Unscrew the ball valve from the bulkhead assembly. Remove the locknut, both silicone o-rings and the steel washer from the threaded nipple on the bulkhead.
- 2. PUT THE STEEL WASHER ON THE THREADED NIPPLE, THEN PUT ONE SILICONE O-RING ON THE NIPPLE AND PUSH THE O-RING AND THE WASHER ALL THE WAY BACK.**
- 3. PLACE THE BULKHEAD ASSEMBLY INSIDE THE KETTLE AND PUSH THE THREADED NIPPLE THROUGH THE HOLE.** The o-ring should be resting against the inside wall of the kettle.
- 4. ON THE OUTSIDE OF THE KETTLE, PLACE THE SECOND O-RING ON THE NIPPLE AND PUSH IT AGAINST THE OUTSIDE WALL OF THE KETTLE.**
- 5. THREAD THE LOCKNUT ONTO THE NIPPLE AND TIGHTEN IT UNTIL IT JUST TOUCHES THE LARGE O-RING.**
- 6. TIGHTEN FROM THE INSIDE ONLY – HAND-TIGHTEN, THEN USE PLIERS.** INITIAL TIGHTENING OF THE LOCKNUT FROM THE OUTSIDE CAN DAMAGE THE O-RING.
- 7. ONCE SNUG, THE LOCKNUT CAN BE TIGHTENED THE REST OF THE WAY FROM THE OUTSIDE.**
- 8. PUT TEFLON TAPE ON THE THREADED NIPPLE AND ATTACH THE BALL VALVE.**
- 9. FILL THE KETTLE WITH WATER TO LEAK-TEST THE VALVE.**