

TECHNICAL SERVICE BULLETIN

TSB 2016-1002 Level: 2

Effective December 1, 2016

Topic	Overtightening of 4-in-1 Ball Valve Tool (Core Removal Tool) can lead to failure and potential venting of the system under service.
Affected Units	4-in-1 Ball Valve Tool, All Models
Resolution	This tool should be tightened by hand only as shown in procedure below.

ISSUE:

When using the 4-in-1 Ball Valve Tool, proper tightening procedures must be followed to avoid the potential of the tools separating and ultimately venting the system.

ROOT CAUSE ANALYSIS:

In testing, it was determined that over-tightening this tool during installation can cause failure resulting in the potential venting of the system under service.

INSTRUCTIONS: Listed below is the proper attachment procedure.

FOR PROPER ATTACHMENT:

- 1. ASSURE PROPER ALIGNMENT AND ACCESS TO THE SIDE PORT AND VALVE HANDLE BEFORE TIGHTENING THE TOOL (Figure 1)
- TIGHTEN BY HAND ONLY (Figure 2)



Figure 1



Figure 2

Gasket P/N-18973

3. IF ANY LEAKAGE OCCURS, REPLACE THE GASKET WITH P/N 18973 (5 PACK) (Figure 3)



Figure 3





TECHNICAL SERVICE BULLETIN

DO NOT:

1. TIGHTEN WITH ANY TOOL (Figure 4)



Figure 4

2. USE ANY ATTACHMENT TO THE SIDE PORT FOR ADDITIONAL LEVERAGE TO TIGHTEN THE TOOL (Figure 5)



Figure 5