

Kit Contents



Bar handle



Set screw



Handle stop insert (45 series only)

Suggested Tools



Torque wrench with hex adapter or hex key

| Series | Hex adapter or key size, in. |
|-----------|------------------------------|
| 41 and 42 | 5/64 |
| 43 | 3/32 |
| 44 | 1/8 |
| 45 | 5/32 |

Valve Preparation

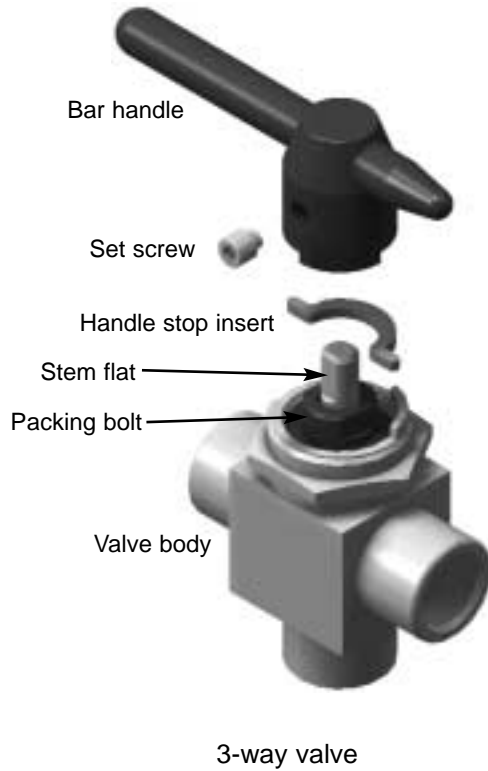
1. Note orientation of the directional handle. Bar handle **must** be installed pointing in the same direction as the removed handle.

3. Remove current handle. Also remove the handle stop insert when applicable (select 45 series only).

2. Loosen set screw.



Handle Installation



1. **All 45 series valves except 45Z series:** If included in kit, place the handle stop insert onto valve between the packing bolt and body, as shown below.

45Z series: Discard the handle stop insert.



2. **All 40 series:** Line up the set screw of bar handle with the stem flat and lower bar handle onto the valve stem until it bottoms against the valve body (41, 42, 43, and 44 series) or the handle stop insert (45 series).

Note: If the stem has two flats, line up the set screw with the larger stem flat.

Note: The bar handle should be oriented in the direction noted during Valve Preparation.



3. **All 40 series:** Tighten the set screw to the torque value listed.

| Series | Torque, in.-lb (N-m) |
|-----------|---------------------------|
| 41 and 42 | 15 to 20 (1.7 to 2.3) |
| 43 and 44 | 30 to 35 (3.4 to 4.0) |
| 45 | 130 to 135 (14.7 to 15.3) |



Caution: Do not mix or interchange components with those of other manufacturers.

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