



# Therma-Seal™ Insulating Tee-Handle Assembly Instructions



Installation of the Apollo® Therma-Seal™ thermal insulating tee-handle is simple and can be accomplished without any specialized tools.

**Warning:** Do not attempt to work on any valve under pressure. De-pressurize the piping system before any work begins. Use appropriate protective gear as required to protect against possible burns or uncontrolled release of fluids.

**Step 1:** Remove any existing handle or other operating mechanism and set aside.

**Step 2:** Install the stop plate, item 2, as shown in figures 1 and 2.

**Step 3:** Place the plastic sleeve, item 5, over the molded tee-handle, item 1. See figure 2.

**Step 4:** Place the molded handle and sleeve over the stop plate as shown. Make certain the stop plate and tee-handle are properly aligned.

**Step 5:** Position the cup washer, item 3, and handle nut, item 4, as shown. Tighten the handle nut to the torque shown in table 1. An appropriately sized deep well socket and torque wrench will be required to complete this step.

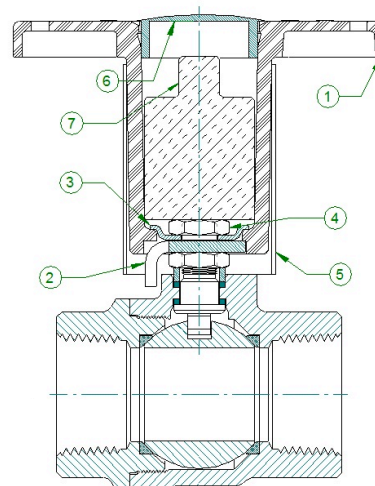
**Step 6:** Complete the assembly by pressing the plastic cap, item 6, into the molded tee-handle.



**Figure 1:** Exploded View

Kit Number	Handle Nut Torque
78218301	35-40 in. lbs.
78218401	50-55 in. lbs.
78218501	100-110 in. lbs.
78219001	50-55 in. lbs.
78219101	70-75 in. lbs.
78219201	95-105 in. lbs.
78231001	144-216 in. lbs.
78233001	55-65 in. lbs.
78233101	55-65 in. lbs.

**Table 1:** Handle Nut Assembly Torque



**Figure 2:** Sectional View

Item	Name	Material
1	Molded Tee-Handle	Glass reinforced nylon
2	Stop Plate	Zinc plated steel
3	Cup Washer	Zinc plated steel
4	Handle Nut	Zinc plated steel
5	Plastic Sleeve	Clear CAB plastic
6	Plastic Cap	Heat stabilized nylon
7	Insulation Plug	Polystyrene Foam

**Table 2:** Standard Materials List

**Caution:** Handle should not be used in applications where its temperature will exceed 275°F. Secure the clear plastic sleeve off the valve body and direct the flame away from the core of the valve when installing solder end valves.