

Thumper TG 6® Grenade Service Instructions

From time to time your Thumper TG 6® training grenade may need its' control valve O-rings serviced or replaced. Signs that it's time to replace/service the O-ring are when you observe the sound of escaping gas from any one of these three areas -

1. The area around the control valve, where it enters the grenade body (whenever the grenade is charged and the spoon is locked in place.
2. From the small gas vent hole located on the opposite side from where the valve enters the upper grenade body.
3. Whenever the grenade's burst diaphragm 'blows' despite the fact that the clip/spoon is properly secured.

Before working on the valve ALWAYS make sure that the device has been FULLY discharged.

In order to replace/service the O-Ring you'll need to first remove the hex socket cap screw which holds the spoon to the valve. To do so, you'll first need to insert either the straightened end of a paper clip, the pointed end of a small brad or some other similar slim object into the valve locking hole. Once you have the pin in place insert the Allen wrench (valve tool) into the head of the bolt and remove it by turning it in a counter-clockwise direction.

Once the screw has been removed, use the long end of your Valve tool wrench to press in on the valve stem while at the same time holding the spoon as far away from the body as possible. Once the valve is depressed and free of the spoon, lift upwards on the spoon and disengage it from the locating notch on the top of the upper body, then set it aside.

Using either your fingers or a small pair of pliers next gently withdraw the valve and the valve spring behind it. Inspect the valve bore to insure that it's free of any dirt or other contamination. If there's any contamination present, remove it using a q-tip.

NEVER probe the valve bore with a screwdriver or other sharp object as this will damage the bore and void your warranty.

Using the pointed tip of a straight pin, or a dental pick, carefully remove both O-rings from their seats along the valve. Again inspect the valve surfaces and remove any foreign dirt or debris which may have collected.

Install one or both valve O-rings as needed on the valve. Lightly lubricate both O-rings and the valve surfaces using a Dry type Lubricant. (Silicone)

Reinstall the valve into the body, making sure the valve spring is properly seated into the back side of the valve.

Slip the top of the spoon down over the raised notch on the upper body half and press it inward, towards to body, till you see/hear the end of the valve click into place.

Reinsert the hex cap screw and using the same blocking pin, retighten the screw, by turning it in a clockwise direction. **Never over tighten this screw.**