

MB1450 – MicroBlaster™ O-Ring Replacement Parts Kit



ST5022 – O-ring (2)
(4.109ID x .139THK)



ST8318 – 1/4 oz. Tube of Adhesive (1)



ST5023 – O-ring (2)
(1.734ID x .139THK)



MB1435 – Thread Gage (1)

Part No. MB1450
Technical Sheet
TS011 Rev. "A"
Page 1 of 1
9/15/00

MB1450 – INSTRUCTIONS
MICROBLASTER TANK COVER O-RING REPLACEMENT KIT

This kit is designed for replacement of the o-ring seals in your MicroBlaster tank cover. Follow the instructions all the way through. When completed, your MicroBlaster tank cover should seal like new.

NOTE: For dual tank MicroBlasters, it is recommended to do both sides at the same time. These instructions apply to both sides.

Tools and Materials Required:
Acetone
Allen wrench - 3/32"
Screwdriver

- Remove the tank lid(s) from your MicroBlaster.
- Check the tank cover threads according to the instructions provided.
WARNING: If tank threads cover, fails the thread gage test, do not continue with these procedures. Replace the tank cover at once.
- Using a 3/32" allen wrench, remove the flapper valve from the tank lid.
- Insert tip of screwdriver under the inner edge of each tank o-ring and lift out o-ring.
- Pour a small amount of acetone into o-ring grooves and let soak for about a minute.
- Clean acetone and dissolved adhesive from o-ring grooves. Dry thoroughly.
- Use a small amount of acetone on a clean towel to wipe new o-rings clean. Dry thoroughly before installation.
- Use tube of adhesive ST8318 provided with kit to inject a light bead of adhesive around bottom of o-ring grooves. [Open a small hole in adhesive tube by using top of cap.]
- Press o-rings firmly in place. Make sure they are evenly seated all the way around and no adhesive is on top of o-rings. Wipe off any excess. Let dry for 24 hours before installing tank lid(s).
- When tank lid(s) have been allowed to dry for a 24 hour period, install flapper(s) in tank lid and install tank lid on tank.

* Check the tank cover and tank for pitting or grooving caused by abrasive wear.
Excessive wear may prevent tank cover from sealing. Also check tank cover threads with thread gage provided in this kit.

Comco Inc. 2151 N. Lincoln Street / Burbank CA 91504-3344, USA / 818 841-5500
E-mail: tech@COMCOinc.com / Fax: 818-955-8365 / www.COMCOinc.com

TS011 – O-ring Replacement Kit Instructions

Technical Sheet
TS101 Rev. "A"
Page 1 of 2
03/10/00

**Tank Cover Thread Gage (MB1435) for
Tank Cover (Lid) MB1008**

The Tank Cover is one of the most important parts of your MicroBlaster. Therefore, we are providing you with a tank cover Thread Gage, as well as important information to keep your tank cover in good condition for a long time. Please read this information carefully, it could save you costly repairs in the future.

The Tank Cover seals the abrasive tank and allows for replenishing the abrasive powder. **Always fill the tank through the flapper valve and refrain from removing the Tank Cover unless absolutely necessary.** As the tank cover is twisted on and off, any abrasive trapped between the tank and the tank cover threads tends to grind away the threads. Since the MicroBlaster tank is a pressurized device, this action may eventually reduce the threads to the point that the cover could blow off. Included is a "Go/No Go" thread gage. Follow the directions provided to verify that the tank cover thread wear is within acceptable limits. Store the gage and instructions with your manual, or any convenient place where it will be used on a monthly basis.

If it does become necessary to remove the tank cover to dump out the old powder or inspect the seals, **always clean the tank surface, threads and tank cover threads before installing the cover.** A small stiff brush is ideal for this purpose.

Always check to make sure the tank cover is firmly tightened. - If the tank cover is not firmly seated so that the o-ring seals properly, abrasive can be forced out by the system pressure and seriously damage both the tank and cover. Tank surfaces etched and pitted by continuously leaking abrasive may never seal properly. Also, abrasive forced into the tank cover threads can cause it to seize onto the tank, making it impossible to remove. If this occurs, you will need to replace both the tank and cover.

In addition to the possibility of permanent damage due to abrasive leakage, a MicroBlaster with air leaks will not perform properly. Most air leaks begin at the tank cover o-ring. Inspect the tank cover monthly for worn O-ring and threads. If the O-ring becomes worn, order the Comco O-ring kit, Part Number MB1450.

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TS101 – Tank Lid Thread Gage Kit

Want to get the most from your MicroBlaster? You can review technical bulletins on everything from modulator maintenance to the importance of clean, dry air, or access Comco's complete library of documents on specific micro-abrasive blasting applications. Download this informative literature—and more—directly from our website at www.COMCOinc.com, or call Customer Service at extension 130 today!

Comco Inc. 2151 N. Lincoln Street / Burbank CA 91504-3344, USA / 818-841-5500

E-mail: tech@COMCOinc.com / Fax: 818-955-8365 / www.COMCOinc.com

MB1450PL

