

**REFILLABLE,
 RECHARGEABLE,
 COMPLETELY PORTABLE**

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HISTORY OF SURE SHOT® SPRAYER

Since 1932 Sure Shot has been manufacturing “SURE SHOT®” sprayers. Long before aerosols were invented, SURE SHOT® sprayers were used for applying many products.

Filling station attendants first used SURE SHOTS® in 1932 for cleaning the windshield of Ford’s brand new V-8 powered „Coach“.

Later SURE SHOT® use in the automotive industry expanded from windshield cleaner to more specialized detergents, rubber dressings, anti-rust agents, and many other specialized lubricants and chemicals.

SURE SHOTS® are now used with hundreds of different chemicals in dozens of industries. Many of SURE SHOTS® new uses were not even thought of in the days when service station attendants wore molded leather leggings and military style caps with patent leather visors.

Product innovations, versatility, application growth and experience have made SURE SHOT® one of the best selling portable sprayer lines and Sure Shot Sprayer the first name in refillable, rechargeable, compressed air sprayers.



Model A1000R

MODEL „A“ STEEL SPRAYER

Model „A“ Steel sprayers can be used with most oil and solvent based materials. They are available with either an Epoxy Powder Coated finish, or a Nickel Chrome plating on the exterior. They have a 32 oz. liquid capacity and feature metal construction and corrosion resistant working parts. Just fill 2/3 with product, pressurize 80 - 150 P.S.I. and spray. Nozzles and extensions can be made to fit any Model „A“ sprayer. Model „A“ Steel sprayers work great for cleaners, degreasers, penetrating oils, brake cleaners, solvents etc.

Model „A“ Steel Sprayers- Technical Information

Model #	Finish	Nozzles
A1000	Painted	#302 Regular mist, #301 pin stream
A1002	Painted	#602 Adjustable from mist to stream
A1100	Chrome Plated	#302 Regular mist, #301 pin stream
A1102	Chrome Plated	#602 Adjustable from mist to stream
A6100*	Painted	#302 Regular mist only
A6102*	Painted	#602 Adjustable from mist to stream

- *MODEL NUMBERS 6100 AND 6102 FEATURE RELIEF VALVES.
- DO NOT USE WATER OR WATER-BASED MATERIALS IN STEEL SPRAYERS.
- NOT RECOMMENDED FOR PAINT.



Model A2000

MODEL „A“ BRASS SPRAYER

Model „A“ Brass sprayers can be used with most oil, solvent and water based materials. They are available with either an Epoxy Powder Coated finish, or a Nickel Chrome plating on the exterior. They have a 32 oz. liquid capacity and feature metal construction and corrosion resistant working parts. Just fill 2/3 with product, pressurize 80 - 150 P.S.I. and spray. Nozzles and extensions can be made to fit any Model „A“ sprayer.

Model „A“ Brass Sprayers- Technical Information

Model #	Finish	Nozzles
A2000	Chrome Plated	#302 Regular mist, #301 pin stream
A2002	Chrome Plated	#602 Adjustable from mist to stream
A2170	Chrome Plated	#302-B Coarse mist
A2305	Chrome Plated	#305 Fine mist
A2501	Chrome Plated	#501 Flat, fan shaped mist
A2600	Painted	#302 Regular mist, #301 pin stream
A2602	Painted	#602 Adjustable from mist to stream
A6200*	Chrome Plated	#302 Regular mist only
A6202*	Chrome Plated	#602 Adjustable from mist to stream
A6600*	Painted	#302 Regular mist only
A6602*	Painted	#602 Adjustable from mist to stream
A7700	Chrome Plated	#707 Extra, extra fine mist only

- *MODEL NUMBERS 6200, 6202, 6600 and 6602 FEATURE RELIEF VALVES.
- DO NOT USE AMMONIA OR AMMONIA-BASED MATERIALS IN BRASS SPRAYERS.
- NOT RECOMMENDED FOR PAINT.



Model B8000BL

MODEL „B“ ALUMINUM SPRAYER

Model „B“ Aluminum sprayers look and work much like an aerosol, except they are refillable and rechargeable. They are available in 7, 8 and 16 oz. liquid capacities. These sprayers can be used with many non-aggressive products providing the seals are compatible with the product you are spraying. Viton® seals are standard and offer excellent chemical resistance. Other seals are available should you require them. Just fill, pressurize 80 - 150 P.S.I. and spray. All of these sprayers come with an assortment of nozzles including: 2 Fine, 2 Medium, 2 Regular, 2 Coarse and 1 Pin Stream with a 6" plastic extension tube. They also include an extra valve. These valves will need to be replaced and are a normal maintenance item.

Model „B“ Aluminum Sprayers- Technical Information

Model #	Finish	Capacity
B8000CB	Powder Coated Red	16 OZ.
B8000PL	Powder Coated Red	16 OZ.
B8200PL	Powder Coated Red	7 OZ.
B8300CB	Plain	8 OZ.
B8300PL	Plain	8 OZ.

SPRAYERS LISTED BELOW ARE ELECTROLESS NICKEL PLATED INSIDE AND OUT, TO GIVE THEM EXCEPTIONAL CHEMICAL RESISTANCE WHEN COMPARED TO REGULAR ALUMINUM

B8100CB*	Electroless Nickel	16 OZ.
B8100PL*	Electroless Nickel	16 OZ.

- **PL & CB** Refer to the top part that unscrews from the canister
- **PL-** Designates this is a plastic part.
- **CB-** Designates this is Chrome Plated Brass part.
- Not recommended for paint.
- **PLEASE NOTE:** Regular Aluminum canisters can have reactions with certain chemicals, including but not limited to: Highly Alkaline materials, Oxidizable materials and Chlorinated Solvents. If you are not sure of the compatibility of your product with the canister, contact your chemical supplier.



Model B8500

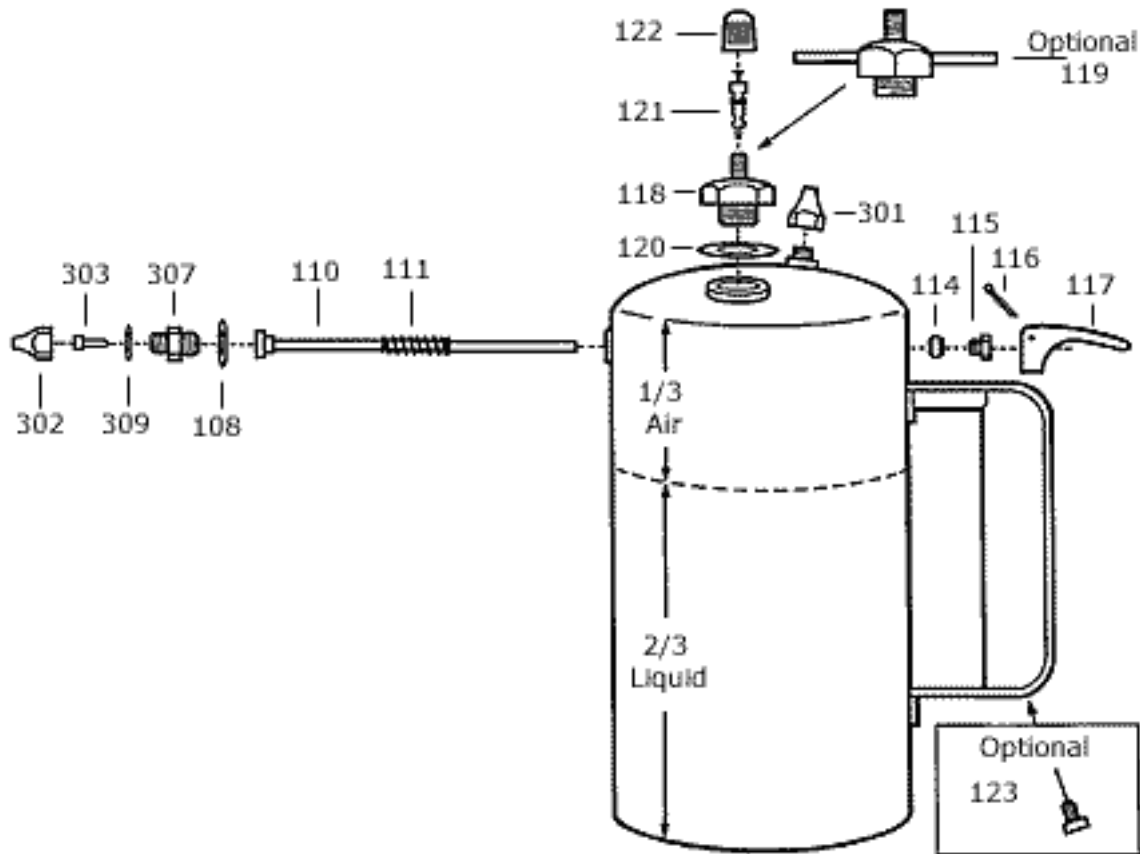
MODEL „B“ STAINLESS STEEL SPRAYER

Model „B“ Stainless Steel sprayers look and work much like an aerosol can, except they are refillable and rechargeable. They are available in 8 and 16 oz. liquid capacities. These sprayers can be used with many products providing the seals are compatible with the product you are spraying. Viton® seals are standard and offer excellent chemical resistance. Other seals are available should you require them. Just fill, pressurize 80 - 150 P.S.I. and spray. All of these sprayers come with an assortment of nozzles including 2 Fine, 2 Medium, 2 Regular, 2 Coarse and 1 Pin Stream with a 6” plastic extension tube. They also include an extra valve. These valves will need to be replaced and are a normal maintenance item.

Model „B“ Stainless Steel Sprayers- Technical Information

Model #	Finish	Capacity
B8500CB	Brushed	16 OZ.
B8500PL	Brushed	16 OZ.
B8800CB	Brushed	8 OZ.
B8800PL	Brushed	8 OZ.

- **PL & CB** Refer to the top part that unscrews from the canister
- **PL**- Designates this is a plastic part.
- **CB**- Designates this is Chrome Plated Brass part.
- Not recommended for paint.



TROUBLE SHOOTING & REPAIR PROCEDURES

Trouble Shooting Model „A“ Sprayers

CLEANING THE #110 VALVE

- 1) ALWAYS DEPRESSURIZE SPRAYER BEFORE REMOVING ANY PARTS.
- 2) Remove filler cap assembly.
- 3) Remove nozzle and adapter and clean.
- 4) The face of the #110 valve is now visible. The face should be clean and clear of all particles. You should see a circular depression caused by the back of the adapter. This depression should be clean and clear of all debris also.
- 5) Replace adapter and washer. Tighten.
- 6) Depress #117 trigger several times to reset seal between face of #110 valve and the back of adapter.
- 7) Replace cleaned nozzle and washer. Tighten.
- 8) Replace filler cap assembly. Tighten.
- 9) Pressurize sprayer.
- 10) If leak persists, replace #110 valve.

CLEANING THE NOZZLE

- 1) ALWAYS DEPRESSURIZE SPRAYER BEFORE REMOVING ANY PARTS.
- 2) Remove nozzle from operating position leaving adapter in place.
- 3) Using a needle nose pliers, remove spiral from nozzle.
- 4) Rinse both nozzle and spiral with cleaner.
- 5) Make sure the nozzle orifice hole and the spiral grooves are clean and clear of all dirt before putting back together.
- 6) Put spiral back into nozzle and reassemble including washer. Tighten.
- 7) If nozzle still does not spray correctly it may need to be replaced.

PROBLEM: SPRAYER WILL NOT SPRAY AT ALL

Reason/Solution

- A) Sprayer is completely full of liquid. Only fill sprayer 2/3 full (32 ounces).
- B) No air pressure. Pressurize.
- C) Nozzle completely clogged. Clean or replace nozzle. (See Cleaning the Nozzle above)

PROBLEM: PIN STREAM ONLY

Reason/Solution

- A) Liquid too thick. Thin until sprayable. Consult your liquid supplier for correct thinning procedures.
- B) Too little air pressure. Must have a minimum of 80 psi.
- C) Pin stream nozzle is in the operating position. Replace with spray nozzle.
- D) The spiral is missing from spray nozzle. Replace the spiral.

PROBLEM: LEAKS FROM #115 STUFFING BOX NUT

Reason/Solution

- A) #115 stuffing box nut loose. Tighten #115 1/16th of a turn and apply a drop or two of lubricant to the #110 valve stem at the rear of the #115. Tilt the sprayer so that the lubricant runs into and around the #115. Depress trigger to work in oil.
- (B) Worn 114. Replace.

PROBLEM: STUCK OR DRAGGING TRIGGER ACTION

Reason/Solution

- A) #115 stuffing box nut is too tight. Loosen #115 nut 1/16th of a turn and apply a drop or two of lubricant to the #110 valve stem at the rear of the #115. Tilt the sprayer so that the lubricant runs into and around the #115. Depress trigger to work in oil. Retighten for proper action.

PROBLEM: FILLER CAP WON'T ACCEPT AIR

Reason/Solution

- A) Dirty or damaged filler cap. Replace.
- B) #121 valve core is swollen. Replace.

PROBLEM: LEAKS FROM TOP OF FILLER CAP

Reason/Solution

- A) Filler cap has been damaged. Replace.
- B) #121 is loose. Tighten.
- C) #121 is worn. Replace.

PROBLEM: LEAKS FROM BOTTOM OF FILLER CAP

Reason/Solution

- A) #120 gasket is missing or dirty. Replace.

PROBLEM: LEAKS FROM NOZZLE

Reason/Solution

- A) Dirty or worn face on #110 valve. (See Cleaning the #110 valve)
- (B) #115 stuffing box nut is too tight. See stuck or dragging trigger action above.

TROUBLE SHOOTING & REPAIR PROCEDURES CONTINUED

Trouble Shooting Model „B“ Sprayers

Normal maintenance includes replacing the B15/B16 valve

The B15/B16 valve will need to be periodically replaced. The Longevity of each valve depends on the product being sprayed and the amount of sediment or dirt that gets inside the sprayer while filling.

Four fillings is the average before the valve needs to be replaced. But it is not uncommon to get more than four fillings out of each valve.

The standard model B units come with Viton® o-rings, a B15 Viton® Valve, and B12 Viton® valve core. Not all products are compatible with Viton®

There are a variety of o-rings available (Viton®, Neoprene, Buna & Ethylene Propylene). There are three different valves (B15 Viton®, B15N Neoprene & B16-Buna). There are two different valve cores (B12 - Viton® & B12N - Nitrile). There is a B26 Teflon™ air filler assembly when superior chemical resistance is needed.

If the standard Viton® o-rings and seals are not compatible with the product being sprayed please check with the chemical supplier for compatibility with the other o-rings and seals that are available.

Viton® o-rings and seals are standard on Model „B“ sprayers because they are compatible with the widest range of sprayable products.

TROUBLE SHOOTING

Problem:
Leaks from around B25 valve head.

Reason/Solution
1) B25 valve head to loose. Firmly tighten by hand only.
2) B14 O-ring is crimped or has some loose particles on it. Depressurize sprayer and remove B25 valve head. Remove valve and check o-ring. Clean away any loose particles and wet o-ring. Reassemble and repressurize.

Problem:
Pin Stream only.

Reason/Solution
1) Liquid is too thick. Thin with proper diluent until sprayable. Consult your chemical supplier for correct thinning procedures.
2) Too little air pressure. You must have at least 80 psi to spray full contents of sprayer.
3) Pin Stream nozzle in operating position. Remove. Replace with a spray nozzle. (regular, fine, medium & coarse)

Problem:
Air filler assembly won't accept air or leaks

Reason/Solution
1) Air filler assembly has been damaged. Replace.
2) Valve core is swollen. Replace.
3) Chemical is attacking valve core. Replace B11 with B26 Teflon™ air filler assembly.

Problem:
Will not spray at all.

Reason/Solution
1) Nozzle is completely clogged. Replace.
2) Valve is completely clogged. Replace.
3) No Air pressure. Pressurize with at least 80 psi.
4) Sprayer is full to top with liquid not allowing room for compressed air.

Problem:
Leaks from valve stem/nozzle.

Reason/Solution
1) Valve worn or swollen. Replace. Standard valve has a Viton® seal. Valves also available in neoprene and buna for chemicals not compatible with Viton®.

Problem:
Leaks from between body and canister.

Reason/Solution
1) O ring is dirty. Clean and wet.
2) O-ring is swollen. Replace. Standard O-ring is Viton®. Neoprene, ethylene propylene, and buna, are available for chemicals that are not compatible with Viton®.

Viton® is a registered trademark of DuPont Dow Elastomers

REPAIR PROCEDURES

The following is the correct order and way to remove and replace all the parts on your Model „A“ Sprayer.

a) ALWAYS DEPRESSURIZE SPRAYER BEFORE REMOVING ANY PARTS.

b) Remove 15/16" hex filler cap.

c) Take a pliers and remove the #116 cotter pin from the #117 trigger.

d) Remove the #117 trigger

e) Remove 1/2" hex nozzle from the #307 adapter, or if your sprayer has no adapter, remove 9/16" hex nozzle from the front of the sprayer.

f) If your sprayer has a #307 adapter, remove the 9/16" hex #307 adapter from the fringe of the sprayer.

g) Remove the 3/8" hex #115 stuffing box nut.

h) Remove the #110 valve. Note that the #111 spring is assembled to the #110 valve.

i) You will destroy the #114 by removing it. Be careful not to damage the inside threads when removing the #114. #114 stuffing box packing may be removed by taking a small thin straight edge screwdriver and working the #114 stuffing box packing loose.

j) All the removable parts are now off of your Model „A“ Sprayer.

k) To reassemble start by taking a #114 and placing it into the position you just removed it from. Take #115 and just hand start thread.

l) Take #111 valve spring and assemble it to #110 valve, place whole assembly into sprayer.

m) Take a #108 washer and assemble to adapter. Take assembly and push face of #110 back into sprayer until you can hand start thread. Tighten 9/16" hex adapter until washer is seated.

n) Snug 3/8" hex #115 stuffing box nut. Do not over-tighten.

o) Replace #117 trigger. Line up holes in trigger with hole in back of #110 valve. Insert #116 cotter pin, bend with pliers.

p) Press down on #117 trigger and apply a drop or two of lubricant to the valve stem of the #110 at the rear of the #115 stuffing box nut. Tilt the sprayer so that the lubricant runs into and around the #115.

q) Take 1/2" hex nozzle and #309 washer and assemble to 9/16" hex adapter. Tighten.

r) Replace 15/16" hex filler cap. Tighten.

s) Pressurize sprayer.

t) Check for leaks.

REPAIR KITS

Partial and Complete Repair Kits can be ordered for all Model „A“ sprayers. The following is the list of Kit Numbers and there corresponding Model Numbers.

ALL PARTS ARE AVAILABLE FOR INDIVIDUAL SALE, CALL FOR PRICING.

Part Number	Description
K5	Partial Repair Kit - contains 108, 110, 114, 116, 120, 121, 302, 309 for Models 1000-1100-2000-2600-6100-6200-6600
K10	Complete Repair Kit - contains 108, 110, 111, 114, 115, 116, 117, 118, 301, 302, 307, 309 for Models 1000-1100-2000-2600-6100-6200-6600
K300	Nozzle Assortment Kit - contains 302-B, 302-C, 305, 501, 602
K5-602	Partial Repair Kit for 1002-2002-2602-6102-6202-6602
K10-602	Complete Repair Kit for 1002-2002-2602-6102-6202-6602
K5-302B	Partial Repair Kit for 2170
K10-302B	Complete Repair Kit for 2170
K5-305	Partial Repair Kit for 2305
K10-305	Complete Repair Kit for 2305
K5-501	Partial Repair Kit for 2501
K10-501	Complete Repair Kit for 2501
K5-707	Partial Repair Kit for 7700
K10-707	Complete Repair Kit for 7700

ACCESSORIES

450	CO2 Pressure Charger Filler Unit
455	CO2 Pressure Chargers
PO7362	Filling/Measuring Device 32 ounce capacity. - Heavy Duty Polyethylene Container with brass mesh screening.