

Spraymaster, Li'l Mister, and SS Spray Coolant Systems

◆ Precautions

- 8DO supply clean, dry air to the spray coolant system. A coalescing filter is mandatory if an air line lubricator is used upstream.
- 8DO use only water-based coolants designed for spray cooling. Trico recommends using Tri-Cool®.
- 8DO NOT spray toxic or volatile liquids in the spray coolant systems.

◆ Installation

1. Mount the reservoir in any convenient location at or slightly below the work level. Drill two holes eight inches on center and thread with a 5/16-18 tap. Mount the unit using the slotted head screws provided. The unit may also be mounted using the optional magnet mounting kit P/N 30687.
2. Mount nozzles close to work zone. A mounting clip is provided for this purpose. Nozzles should be positioned approximately one inch from the cutting tool.
3. Remove the filler cap and fill the reservoir with a water-soluble coolant mixture designed for spray cooling. Tri-Cool is the recommended coolant to use.
4. Connect a source of clean, dry shop air to the female 1/4" NPT fitting on the side of the unit.

◆ Operation

The spray coolant systems are designed with individual control of air and coolant. This provides a wide range of "wetness" and cooling capability. Adjust the air and coolant to deliver spray to the tool contact point, wet enough to create a slight beading of moisture on the work piece. Opening each control one full turn is a good starting point. Coolant evaporating at the tool contact point provides the desired cooling effect.

1. Turn on shop air.
2. Open liquid and air controls one full turn.
3. When air and coolant mixture appears from the nozzle, adjust the air and coolant flow to the desired level.

NOTE: Improved cooling and coolant delivery is obtained when larger droplets are utilized. Avoid an excessively dry mist.

◆ Cleaning

1. If the line or nozzle becomes clogged, place thumb and forefinger over the end of the nozzle, forcing air through the coolant line and back into the reservoir. This will normally clear the system.
2. Clear the system at the end of each production run using the procedure above. If it becomes necessary to wash the unit, use warm, soapy water or solvent that will not harm the Buna-N o-rings, polyethylene reservoir, or the acrylic sight tube.

◆ Nozzle Replacement

Armored Line

1. Remove old or damaged nozzle by loosening the knurled nut. Slide the armored line away from the nozzle.
2. Using a small needle nose pliers, remove clear tubing from barbs on nozzle. Position pliers as close to barb as possible on tubing and tug slightly to loosen. Do not allow the clear tubing ends to slip into the armored line.
3. Take the new nozzle and slide the large diameter tube over large barb on nozzle.
4. Slide small diameter tube over small barb on nozzle.
5. Give both tubes a slight tug to verify they are secured on the barbs of the nozzle.
6. Slide the armored line up to the nozzle and lock in place by retightening the knurled nut.

Plastic Line

1. Use a small needle nose pliers and remove clear tubing from barbs on nozzle. Position pliers as close to barb as possible on tubing and tug slightly to loosen.
2. Take the new nozzle and slide the large diameter tube over large barb on nozzle.
3. Slide small diameter tube over small barb on nozzle.
4. Give both tubes a slight tug to verify they are secured on the barbs of the nozzle.

◆ Line Replacement

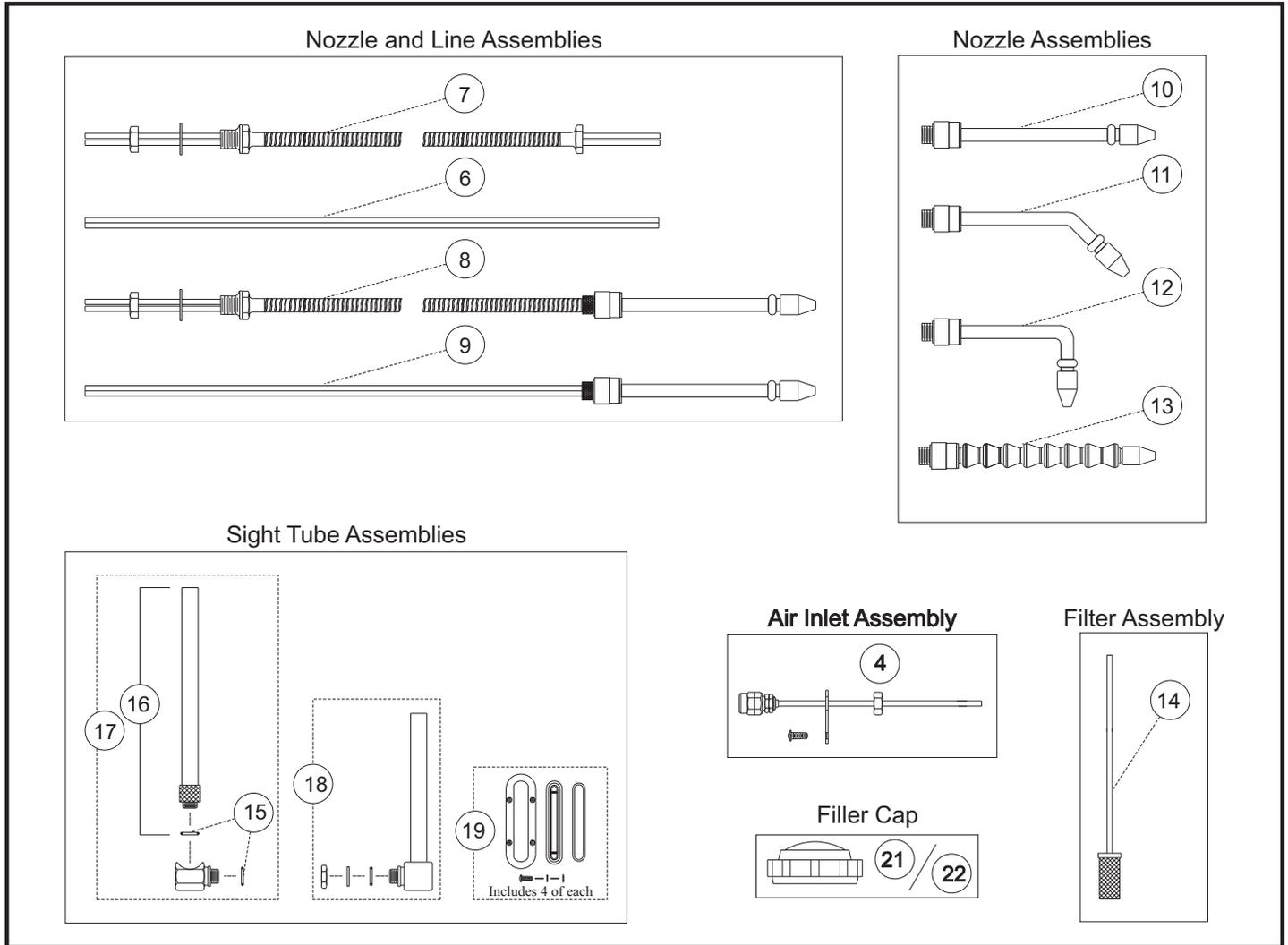
Armored Line

1. Remove the small screws at each end of the cover. Separate the cover assembly from the reservoir.
2. From inside the cover, locate and remove the clear tubing from the air and coolant valves using a needle nose pliers. Position pliers as close as possible to the barbs, give a small tug to loosen.
3. From inside the cover, remove the nut and lockwasher that retain the armored line. Remove line and discard.
4. Feed clear tubing of new line assembly through the hole in the cover. Insert threaded fitting into hole. Replace lockwasher and nut onto fitting.
5. Push large diameter tube completely onto large barb on air valve.
6. Push small diameter tube completely onto small barb on coolant valve.
7. Reassemble cover on reservoir

Plastic Line

1. Remove small screws at each end of cover. Separate cover from reservoir.
2. From inside the cover, locate and remove clear tubing from the air and coolant valves using a needle nose pliers. Position pliers as close as possible to barb, give a small tug to loosen.
3. Remove black nut at the end of line assembly on cover.
4. Feed tubing through black fitting on cover. Remove line and discard.
5. Feed tubing on new line assembly through black fitting on cover. Tighten black nut.
6. Push large diameter tube completely onto large barb on air valve.
7. Push small diameter tube completely onto small barb on coolant valve.
8. Reassemble cover on reservoir.

◆ Replacement Parts



Item #	Part #	Description	Item #	Part #	Description
1	20000R	Air Valve (not shown)	13	30493	Flexible Locline Nozzle
2	21213R	Liquid Valve (not shown)	14	21443R	Pick-up Tube and Filter
3	20001R	Air Valve Dual Line (not shown)	15	18671	7/16 ID O-ring for Spraymaster Sight Tube
4	20002R	Air Inlet and Bracket	16	21132R	Spraymaster Sight Tube with O-ring
5	14231	Air Inlet Adapter 1/4-19 BSPT (not shown)	17	21185R	Spraymaster Level Indicator Assembly
6	66230	Dual Line Tubing (sold by the foot)	18	21205R	Li'l Mister Level Indicator Assembly
7	20003R	5' Line Assembly Armored	19	12968R	SS Spraymaster Sight Gauge
8	20004R	5' Line & Nozzle Assembly Armored	20	20006R	Nozzle Mounting Bracket (not shown)
9	20005R	5' Line & Nozzle Assembly Plastic	21	11530	Spraymaster Reservoir Cap
10	30490	Straight Nozzle	22	17-00542	Li'l Mister Reservoir Cap
11	30491	45 Degree Nozzle	23	66223R	Tubing (not shown)
12	30492	90 Degree Nozzle			