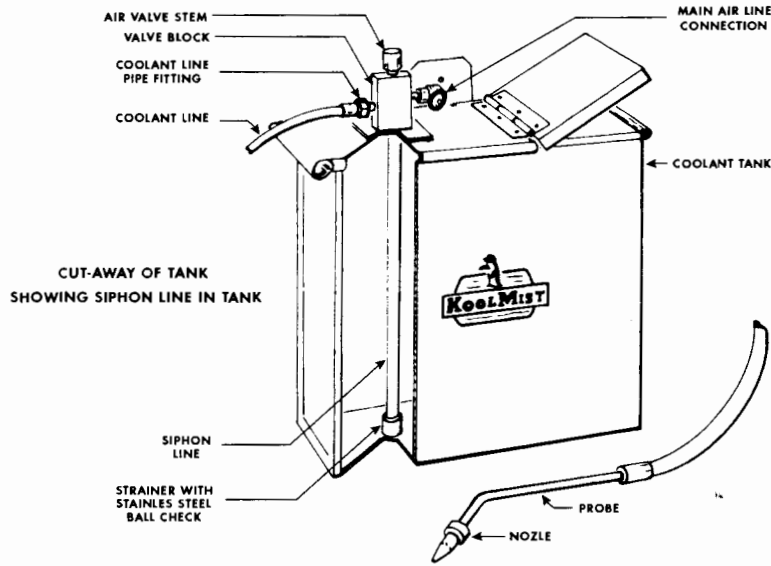




KOOL MIST

... the World's Finest Mist Coolant System

TROUBLE SHOOTING GUIDE



PROBLEM	SOLUTION
<p>BUBBLES APPEAR IN COOLANT TANK THUS ALLOWING NO MIST SPRAY FROM OUT OF NOZZLE.</p>	<ol style="list-style-type: none"> 1. Check to see if Nozzle Cap is opened too far, or 2. Tighten Coolant Line Pipe Fitting into Valve Block until bubbles disappear. (Make sure Nozzle Cap is opened about 1/4 turn and Air-Valve Stem is opened about one or two turns before tightening Coolant Line Pipe Fitting.) CAUTION: Do not continue to tighten Coolant Line Pipe Fitting after bubbles disappear.
<p>AIR ONLY COMES OUT OF NOZZLE. NO COOLANT.</p>	<ol style="list-style-type: none"> 1. Check to see if bubbles are apparent inside Coolant Tank. If so correct as described above in item No. 2 or, 2. Rubber seal on end of Coolant Line Pipe Fitting is over compressed in Valve Block. Replace rubber seal by removing same with a sharp pointed tool. Replace with new rubber seal by pressing in with thumbs. NOTE: When re-installing Coolant Line into Valve Block follow instructions as stated in item No. 2 above. 3. Initially starting up your Koolmist Unit improperly. Follow instructions as indicated on the instruction sheet for proper way to start up your Koolmist Unit. 4. Be certain siphon line connections into block are tight and that there are no leaks in siphoning line.

If above solutions do not correct your problem with your Koolmist Coolant Unit kindly send Unit back to factory for repair. Consult factory for repair costs. For replacement parts see Parts Price List.



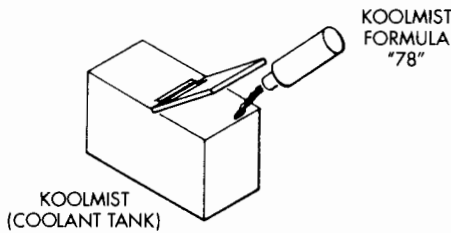
13141 Molette Street, Santa Fe Springs, California 90670

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INSTRUCTIONS

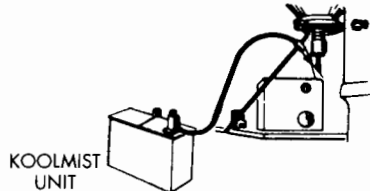
NOTE: All Koolmist Units are pre-set and tested at the factory before shipment. DO NOT disconnect lines and fittings from unit. See trouble shooting guide on reverse side for proper adjustment to unit.

FILLING COOLANT TANK



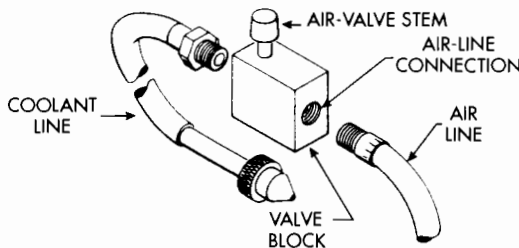
Using Kool Mist Corp's Formula "78" Mist Coolant Concentrate diluted with water at 30 to 1 ration. Recommended mixture is 4 ozs. of Formula "78" per 1 gallon of Coolant.
NOTE: When using other than Formula "78" be sure to obtain proper mixing ratio with concentrate being used.

PLACEMENT OF COOLANT TANK



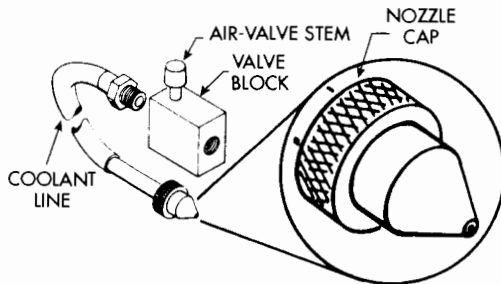
Coolant Tank should be placed below the nozzle delivery height. This will prevent siphoning of Coolant when not in use.

SETTING UP THE KOOLMIST COOLANT GENERATOR



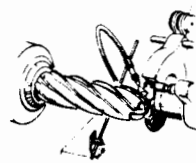
1. Connect air-line hose to valve block on Coolant Tank.
2. Recommended air pressures: Higher preferred
On Models 80, 80S Series 60 to 125 psi
On Models 100, 101, 112 & 350 Series 60 to 125 psi
On Heavy Duty Models (400 Series) 80 to 125 psi

STARTING UP THE KOOLMIST UNIT



1. Open Air-Valve approximately one full turn.
2. Close Nozzle Cap until snug at end of Coolant Line, then open Nozzle Cap about 1/4 turn until a fine pin-point spray develops.
3. Once spray is coming out of nozzle final adjustment can be made by turning either or both the Air-Valve knob & Nozzle Cap.
4. The best method of testing the mist spray is to direct the spray into the palm of your hand, and when the spray is frigid cold, it has been properly adjusted.

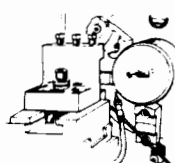
LOCATION OF NOZZLE FOR VARIOUS APPLICATIONS



TOOL AND CUTTER GRINDING

With either carbide or high speed steel tools, mist should follow wheel rotation at point of contact with tool. Double mist outlets are recommended for heavier cuts.

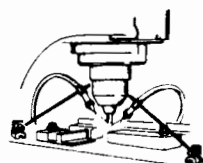
Tool life is increased -



TURNING

Direct mist up into clearance crevice of tools. Use one mist nozzle for each tool on multiple tool jobs.

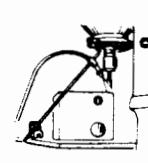
Permits heavier roughing cuts



END MILLING

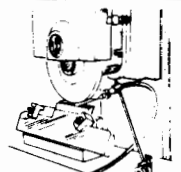
Direct mist at the point of contact between tool and work. Mist should follow tool rotation. When facing opposite sides of a slot, for maximum efficiency, use 2 mist outlets.

Chips slide freely along tool face and are blown away.



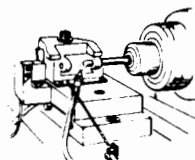
TAPPING

Direct mist at center of hole with spray at slight angle to axis of tap. Very fine pin point mist should be used on small holes (#8, #10, etc.) Slightly heavier mist should be used on larger holes. Use double mist units on 3/4" and 1" dia. holes.



SURFACE GRINDING

Use one or two mist outlets. Spray in direction of rotation, favoring the corners of the wheel. Keep spray close to above contact point of wheel and work. Mist should be slightly wet.



BORING - ROTATING AND STATIONARY TOOL

With rotating tool and through hole work pieces, direct mist in close from back of hole. Using No. 205 magnetic nozzle holder, spray can be easily directed from one position to another instantly.

With rotating tool and no through holes - direct mist down into hole, slightly in tool direction. Makes cleaner cuts - no burrs.



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