

FLUSH SERVICE CONNECTION



NOTE: Vehicle's engine should be off.

1. Connect supplied radiator hose adapter and step adapter to upper radiator hose & radiator.
2. Connect air supply hose to air fitting on PSI-COOL machine.



3. Connect black service hose to adapter attached toward radiator.
4. Connect red service hose to adapter attached toward block.

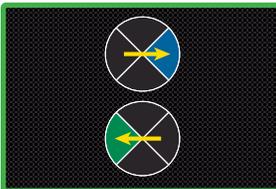


NOTE: If vehicle has lower thermostat, reverse connections.

PERFORMING A SYSTEM FLUSH



1. Open ball valve on black service hose.
2. Close ball valve on red service hose if it is open.



3. Turn top knob on control panel to "VACUUM".
4. Turn bottom knob on control panel to "FLUSH".
5. While machine is vacuuming down the cooling system, turn the regulator on the front of the machine clockwise until the pressure gauge on the control panel reads 10 - 12 PSI.



6. Allow machine to vacuum cooling system until no more fluid is flowing through the black service hose. When used coolant is no longer flowing, close ball valve on black service hose.
7. Slowly open ball valve on red service hose allowing new fluid to rush into the cooling system via the pressure in the machine and the vacuum in the vehicle's cooling system.



8. When gauge on control panel returns to 10 -12 PSI, open ball valve on black hose half way to allow fluid to be flushed through the vehicle's cooling system. Control the flow of coolant through the system using the ball valve on the black service hose.



9. When the fluid runs clean, close the black hose ball valve and turn regulator counterclockwise to relieve pressure.

NOTE: Do not allow the pressure on the gauge to reach "0" at any point during the flushing process. Doing so will quickly evacuate all new fluid from the new fluid tank and flush it through the car very quickly requiring you to refill the vehicle completely.



10. Close the red hose ball valve.
11. Remove hoses, adapters, and reconnect the vehicle's upper radiator hose.
12. Check fluid level and add if needed.

NOTE: If leftover pressure is built up in the vehicle's cooling system, the black hose ball valve can be opened in short bursts to vacuum the pressure out and return the system to normal. Pay attention to the gauge on the control panel to monitor pressure.



NOTE: Best results are achieved when vehicle is at operating temperature.

WARNING: If vehicle is hot, make certain the cap is removed carefully to avoid spraying hot fluid and causing burns.

VAC & FILL SERVICE CONNECTION



NOTE: Vehicle's engine should be off.

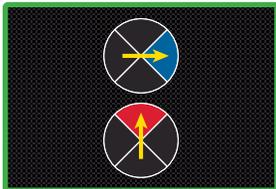
1. Remove radiator cap from vehicle.
2. Connect air supply hose to air fitting on PSI-COOL machine.



3. Connect both hoses to supplied rubber cone T-adaptor and open ball valve on black service hose only.
4. Insert into radiator making sure the rubber cone reaches below the surface of the coolant in the radiator.



PERFORMING A VAC & FILL SERVICE

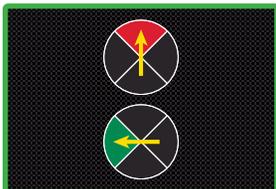


1. Turn top knob on control panel to "VACUUM".
2. Allow machine to vacuum cooling system until no more fluid is flowing through the black service hose.
3. Close ball valve on black service hose.

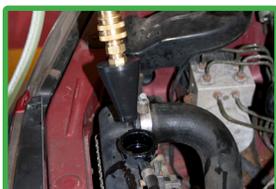


4. Turn top knob on control panel to "OFF".

WARNING: There must be no pressure in the new fluid tank to perform the next step. This can be achieved by either turning the regulator fully counterclockwise, disconnecting the air supply from the machine, or removing the aluminum cap on the new fluid tank.



5. Turn bottom knob on the control panel to "FLUSH".
6. Open ball valve on red service hose.



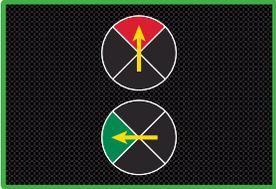
7. Once fluid stops moving into vehicle through red service hose, close ball valve and remove rubber cone adapter from radiator.
8. Replace radiator cap.
9. Check fluid level and add if needed.



ADDING COOLANT TO VEHICLE



1. Connect air supply hose to air fitting on PSI-COOL machine.
2. Close ball valve on red service hose and connect to T-adapter.



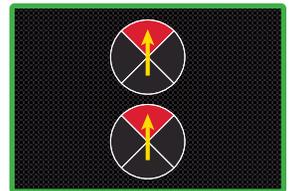
3. Turn bottom knob on the control panel to "FLUSH".
4. Turn the regulator on the front of the machine clockwise until the pressure gauge on the control panel reads 10 – 12 PSI.



5. Insert open ended hose into reservoir to be filled.
6. Open ball valve slightly to control flow of new fluid into reservoir.



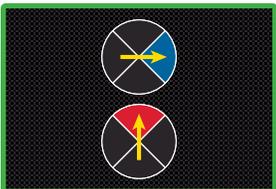
7. Close ball valve when fill is completed.
8. Turn regulator knob counterclockwise to relieve pressure.
9. Return bottom knob to "OFF" position.



REMOVING COOLANT FROM VEHICLE



1. Connect air supply hose to air fitting on PSI-COOL machine.
2. Make sure there are no adapters connected to the red service hose.
3. Connect black service hose to T-adapter.



4. Turn top knob on control panel to "VACUUM."
5. Open ball valve on black service hose and insert into reservoir to be drained.



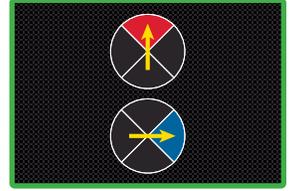
6. Close ball valve when drain is completed.
7. Return top knob to "OFF" position.



PERFORMING A RADIATOR CAP PRESSURE TEST



1. Connect adapters and air supply hose as outlined in "Performing a System Flush" section.
2. Open ball valve on red service hose.
3. Turn bottom knob on the control panel to "PRESSURE TEST".



4. SLOWLY turn regulator clockwise until gauge pressure is a few lbs higher than the cooling system's rated pressure.
5. Inspect all visible hoses, fittings, and the radiator cap for leaks.
6. When finished, follow instructions to begin System Flush or turn regulator counterclockwise to relieve pressure.



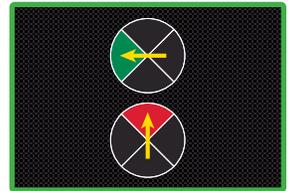
DRAINING USED FLUID TANK



1. Connect air supply hose to air fitting on PSI-COOL machine.
2. Connect black service hose to T-adaptor.



3. Open ball valve on black service hose and place in waste fluid container.
4. Turn top knob on the control panel to "DRAIN WASTE TANK".



5. Slowly turn regulator clockwise until fluid starts flowing out of black service hose.
6. Close ball valve on black service hose when air begins to rush through hose in place of used coolant.
7. Turn regulator counterclockwise to relieve pressure.

