



EBS-1 #1000-0070 COOLANT FLUID EXCHANGE QUICK REFERENCE 1-1-16

ATTENTION: Using the Coolant Fluid Exchange requires the FILL and VAC Valves on the SERVICE CONTROL HANDLE be in the proper OPEN (ON) or CLOSED (OFF) position prior to each step performed. Failure to do so will prevent a safe and effective exchange process.

STEP 1 After insuring all switches (including Waste Pump) are in the OFF position. Plug the Power Cord into a 110VAC outlet. Turn the white lighted POWER Switch ON and check for Power Light in the switch. Visually check fluid levels in the equipment by markings on front.



STEP 7 When safe – remove the radiator cap. Switch the VAC pump on and vacuum old coolant fluid from the radiator and overflow tank – turn the VAC pump OFF. Disconnect the upper radiator hose and determine the correct size of the insert and hose adapter to be used.



STEP 2 Remove any New Fluid in the NEW Fluid Tank unless it contains the type of fluid to be used on the current vehicle to be serviced. To remove fluid left in the NEW Fluid Tank See STEP 3 – if none to be removed proceed to STEP 4.



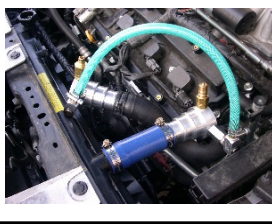
STEP 8 Connect the hose adapter to the radiator and the inserts into the engine hose. Note that the inserts are marked to show which end of the inserts goes where. Turn the Valve on the Radiator end parallel to the fitting as shown.



STEP 3 Disconnect the Blue and Clear Vehicle Service hoses from the equipment service hose manifold. Turn the manual Valve on the manifold parallel to the manifold connection hose – see Picture - Turn ON the FILL/FLUSH switch, then OFF when all NEW Fluid has been removed.



STEP 9 Add flush/cleaning chemical to the radiator , replace cap and START engine. Once the engine comes to operating temp the thermostat will open and coolant flow from the engine to the radiator will start. This confirms thermostat operation and allows cleaning.



STEP 4 Remove any Waste Fluid by opening the valve on the waste hose at the back of the equipment. Secure that end in a proper external waste receptacle. Turn the Waste Pump Switch at the back of the equipment ON. Turn OFF when emptied – see front tank level marking.



STEP 10 Turn engine OFF after cleaning time. Connect the blue service hose to the Radiator and clear service hose to the Engine side of the Adapter. Turn the Valve on the Radiator end of the Adapter perpendicular to the fitting. Clamp the hose leading to the Overflow Tank.



STEP 5 Add the desired amount of NEW Fluid to the NEW Fluid Tank thru the Fill Tube in the Top Tray of the Equipment. Provide enough for top off of the overflow tank and radiator after service. Check for NEW Tank Fluid levels on tank markings at front of equipment – See STEP 2 Pic.



STEP 11 Turn FILL/FLUSH ON and check for flow of New Fluid to the engine and Old Fluid from the radiator to the equipment. Monitor Waste and New Fluid levels in the equipment. Turn FILL/FLUSH OFF (middle position) when there is approximately 2 quarts of New Fluid remaining.



STEP 6 Connect the VAC and FILL service hoses to the equipment's service hose adapter – Blue to VAC and Clear to FILL. Turn the manual Valve on the hose adapter perpendicular to the connection fitting. Connect the Hand Gun to the end of the VAC (blue) service hose.



STEP 12 Remove Adapters and reattach the Radiator Hose to the Radiator. Remove the Overflow Hose clamp. Top Off the Radiator and Overflow Tank using the FILL Hose and Hand Gun by Pressing the FILL/FLUSH Switch. Start engine and check for leaks.

