



NASCAR-Approved Spec Engine – Optional Surge Tank

An integrated surge tank is available but not mandatory for the NASCAR-Approved Spec Engine. This piece aids the thorough bleeding of the cooling system. It is still recommended to go through the initial bleeding procedure to evacuate all air from the system. This includes loosening all four corner water bleed plugs on the cylinder heads as well as the plug on the top of the water pump and make sure that water is coming out and no air is trapped. This surge tank is available through Robert Yates Racing Engines (part number 170001) and is mounted in place of the existing water outlet. Cooling line routing is as follows; #4 line that comes from the right side cylinder head is reusable and mounts to the 90 degree fitting on the surge tank. A #8 line exits the front of the tank to the water pump. The fitting in the water pump must be changed from a 3/8 pipe to #4 to a 3/8 pipe to #8. The line for this must be made. This #8 line uses a 120 degree fitting on the tank end and a 45 degree fitting on the water pump end and is approximately 6 inches long. The #4 fitting that exits the tank on the right side should be plumbed back into the radiator or cooling line.

