



Engineered for life

Enidine

105 Commerce Way
Westminster, SC 29693
Tel: (864) 647-9521
Fax: (864) 647-7993

NGVKIT-18 Valve Cap Kit for Severe Coolant Service

Contents: Anodized aluminum valve cap
Valve cap o-ring
Coolant bowl and retention screw o-rings
Lubricant

Close supply valve and relieve / bleed gas system pressure to the regulator. Insure outlet pressure is relieved. With regulator cool, disconnect coolant hoses from coolant bowl of the regulator; drain to a suitable container. Disconnect gas, and PRD lines. Unplug solenoid and/or sensor if so equipped. Disconnect MAP bias if so equipped. Remove pressure regulator from vehicle.

Secure the regulator for service. Remove coolant bowl by removing the retention screw on the bottom, using a 7/32" hex key wrench. Clean surfaces around the valve body, then remove valve cap with a 1" wrench. Discard the old valve cap and medium o-ring. Clean the o-ring chamfer in the regulator body with a lint free cloth, as the new o-ring must seal absolutely leak free against this surface.

Remove the large o-ring from the groove on the regulator body, and the small o-ring from the bottom of the coolant bowl. Discard the old coolant bowl o-rings; clean the o-ring surfaces of any deposits.

Lubricate the o-rings with the lubricant provided in the kit.

DO NOT USE PETROLEUM OIL OR GREASE ON THE LARGE OR SMALL O-RING.

Carefully install the Medium o-ring over the threads of the valve cap, thread the valve cap into the regulator, and tighten to 800 in-lb. Bench test this seal for leakage prior to further assembly.

Install the Large o-ring in the groove on the regulator body. Position the coolant bowl on the regulator. Install the Small o-ring in the bottom of the coolant bowl and secure the bowl with the screw. Tighten the coolant bowl screw to 120 in-lb.

Bench test for coolant bowl leakage with compressed air (to 30 psig) and install regulator in vehicle.

