



Date: September 19, 2012

Subject: Lightweight Rotors

Vehicles: All

Concern: There are increasing numbers of lightweight/thin plate (bottom rotor) rotors showing up in the market lately. A rotor is considered "lightweight" when it contains 7-25% **less** mass than the Original Equipment rotor. One of the primary functions of the brake rotor is to dissipate heat away from the brake pads and calipers. Extensive testing has shown that a rotor with reduced mass will not absorb or dissipate as much heat. In addition, lightweight rotors cannot be machined, have fewer and thinner cooling vanes, an increased air gap, will crack prematurely, will develop premature excessive lateral run out, may cause overheating of brake fluid leading to brake pedal fade and may cause more brake noise.

LIGHTWEIGHT/THIN PLATE ROTOR

WinStop® Brake Rotor Matches OE Specifications

WinStop® Rotor



***Plate Thickness DOES NOT Meet OE Manufacturer Specification
*25% Fewer Cooling Vanes**

Competitor Rotor*