



# Service Bulletin

File in Section: 05 - Brakes

Bulletin No.: 05-05-23-007B

Date: April, 2014

## INFORMATION

**Subject:** Information on Visual Brake Rotor Surface Cracking

**Models:** 2005-2009 Cadillac XLR  
2005-2013 Chevrolet Corvette  
with Heavy Duty Brakes – Cross Drilled Rotors (RPO J55)

This bulletin has been revised to add the 2010-2013 model years for Corvette. Please discard Corporate Bulletin Number 05-05-23-007A.

**Important:** DO NOT replace OR resurface rotors for small surface cracks that are described below. The pass criteria for thermal fatigue testing specifies that the rotor is allowed to have small thermal cracking up to 2/3 of the brake plate surface. The brake plate surface for the front rotor is 50 mm (1.96 in) radially, which means cracks are permitted up to 33 mm

(1.29 in) radially across the rotor brake face in length. This would be the pass criteria for the end of severe testing. To have a large safety margin, a rule of thumb — "small" thermal cracks are allowable and the rotor does not need to be replaced unless the cracks connect from hole to hole or the crack reaches the OD of the rotor.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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