

2005 - 2009 Cadillac XLR: Service Bulletin: Information on Visual Brake Rotor Surface Cracking

3 Rob Loszewski December 18, 2016 [Brakes](#) 0 2325

#05-05-23-007B: Information on Visual Brake Rotor Surface Cracking - (Apr 15, 2014)

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.

Online URL:

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