

**Document ID# 1837051
2004 Cadillac CTS**



Subject: Info - Availability of Tires with Increased Treadwear and All-Season Traction Rating (Eagle RS-A) #06-03-10-006 - (06/09/2006)

Models: 2004-2005 Cadillac CTS-V

Attention: This Service Bulletin offers information and specific procedures for reprogramming the electronic braking/traction assists of the CTS-V to maximize performance when using Eagle RS-A All-Season Traction Rated Tires. While this bulletin is to be performed at customer pay, you must contact TCSC and obtain a VCI number in order to reprogram the vehicle.

Original Equipment Tires

The original tire installed on the CTS-V is the Goodyear F1 Supercar tire. This tire was designed specifically for the CTS-V to achieve optimized dry traction and handling performance, and as a result, tread life and all-season capability are reduced from a typical all-seasons design. Despite the high performance nature of the Cadillac CTS-V series, some customers have requested information on an alternative tire with enhanced all-season ability.

Replacement All-Season Tires Available!

For customers that value increased tire tread life, increased all-season traction, and a softer/quieter ride, GM has identified a suitable replacement tire that achieves these goals while retaining the run-flat ability of the original equipment tires. The Goodyear Eagle RS-A P245/45R18 EMT is a V-speed rated High

Performance All-Season Runflat tire. When switching from the original tires to the Eagle RS-A (or other possible manufacturers) All-Season tires, it is necessary to revise the EBCM and PCM software calibrations. The revised calibrations will tailor vehicle powertrain and control systems to the All-Season design tire. The suggested Eagle RS-A is a V-speed rated High Performance All-Season tire that when combined with updated vehicle calibrations may achieve speeds of up to 239 km/h (149 mph).

The new calibrations are located both under the ABS tab and the PCM tab in the TIS terminal. After selecting the ABS tab, you will be given the choice for the F1 Supercar Tire or the Eagle RS-A. Select the Eagle RS-A and follow normal recalibration procedures. You must input a VCI number to perform the PCM portion of the reprogramming. Directly following recalibration you MUST perform a Brake Pedal Position Sensor Calibration using the procedure below.

Important: If the original style F1 Supercar tires are ever reinstalled, you must recalibrate back to the original part number programming. This programming is available under the ABS tab and then by selecting Eagle F1 Supercar tires.

Important: When switching from the original tires to the Eagle RS-A (or other possible manufacturers) All-Season tires, it is necessary to revise the EBCM and PCM software calibrations. The revised calibrations will tailor vehicle powertrain and control systems to the All-Season design tire.

Brake Pedal Position Sensor Calibration

Important: Directly following the vehicle reprogramming instructions above, you MUST perform a Brake Pedal Position Sensor Calibration.

Important: Do not apply the brake pedal during the brake pedal position sensor calibration procedure. Any movement of the brake pedal during this procedure will cause the calibration procedure to fail. If this occurs, the brake pedal position sensor calibration must be repeated.

Brake pedal position sensor calibration must be performed after the brake pedal position sensor or electronic brake control module (EBCM) have been serviced or reprogrammed. The calibration procedure will set the brake pedal position sensor home value. This value is used by the EBCM to determine the action of the driver applying the brake system and to provide this information to the vehicle subsystems via the class 2 communication bus.

1. Apply the parking brake.
2. Place the transmission in the PARK position for automatic transmission or NEUTRAL for manual transmission.
3. Install a scan tool.
4. Turn ON the ignition, with the engine OFF.
5. Select Chassis.
6. Select DRP/ABS/TCS/VSES.

7. Select Special Functions.
8. Select the BPP Sensor Calibration and follow the directions displayed on the screen.

Parts Information

The following tires are available through the GM Goodwrench tire program.

Tire	Size	Speed Rating
Goodyear Eagle RS-A	P245/45R 18	V

Update the vehicle PCM and EBCM with the following software update.

Part Number	Description
15894416	Calibration: CTS-V Eagle RS-A ABS/TCS
15894417	Calibration: CTS-V Eagle RS-A Operating System

Warranty Information

This procedure and modification is considered outside the terms of the new vehicle warranty and should be treated as a customer decision at customer cost.

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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