



**Technical Service
Information Bulletin**

October 7, 2004

Title:

**TIRE PRESSURE WARNING SYSTEM
INFORMATION AND RE-INITIALIZATION**

Models:

'04 – '05 LS 430 & RX 330

PRODUCT GENERAL INFORMATION
PG004-04

Introduction This service bulletin provides the proper procedures for normal maintenance re-initialization of the indirect Tire Pressure Warning System (TPWS). When performing service that requires tire rotation, tire replacement, suspension component replacement or alignments, the Tire Pressure Warning System must be re-initialized.

During initialization, the Tire Pressure Warning System, located within the ABS or Skid Control ECU, learns the tire sizes from rotational speeds and resonance frequencies. Once the system has initialized, if tire pressures drop, the TPWS light will illuminate.

- Applicable Vehicles**
- 2004 – 2005 model year LS 430 and RX 330 vehicles.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

Initialization Conditions The Tire Pressure Warning light can illuminate requiring initialization if any of the following changes occur:

- When air pressure is adjusted up or down.
- When the tires are rotated.
- When one or more tires are replaced.
- When suspension components (i.e., struts, shocks, springs, knuckle) are replaced.
- When an alignment is performed.



Initialization Procedure

1. Adjust the tire pressure to the specification.
2. Turn the IG switch ON, but do not start the engine.
3. **Without Multi-Display:**
Press and release the Tire Pressure Warning Switch to turn the Tire Pressure Warning light off.
With Multi-Display:
Press the Tire Warning switch to turn the Tire Pressure Warning light off.
4. **Without Multi-Display:**
Press and hold the Tire Pressure Warning switch until the Tire Pressure Warning light blinks three times.
With Multi-Display:
Press and hold the Tire Pressure Warning switch until “Pressure Initial” appears on the Multi-Display.
5. The TPWS will typically initialize within one hour during normal driving conditions.

NOTE:

Initialization can take up to one hour to complete. If the following conditions exist, low tire pressure may not be detected and initialization may not be completed.

- The vehicle is equipped with snow tires, compact spare or snow chains.
- The tire inflation pressure is excessively higher than specified, or tire inflation pressure suddenly drops.
- The vehicle is driven on rough, slippery, or frozen road surfaces.
- The vehicle speed is less than 19 mph (31 km/hr) or more than 62 mph (100 km/hr) and the driving duration is less than 5 minutes.
- On one or more tires, the tire tread pattern or manufacture are different from the others.
- The tires are not the specified size.
- The tread wear varies among each tire.
- The pressure of two or more tires drops at the same time.
- Driving with rapid acceleration/deceleration or sharp turns.
- The vehicle is overloaded.
- Ambient temperature is below 32°F (0°C) or above 104°F (40°C).
- The tires encountered impact on a pot hole or other road irregularity.
- Aftermarket (non-factory) wheels and tires installed on vehicle.

Verify Initialization

Initialization can be verified by monitoring the Tire Pressure Warning light during the bulb check.

The system **IS** initialized when the Tire Pressure Warning light and ABS light turn off at the same time during the bulb check.

The system **IS NOT** initialized if the Tire Pressure Warning light stays on for one second after the ABS light turns off.