



**Technical Service  
Information Bulletin**

October 17, 2003

Title:

**INTRODUCTION OF NEW AUTOMATIC  
TRANSMISSION FLUID**

Models:

'04 – '05 GX 470, LS 430 & LX 470

REVISED

TC009-03

TRANSMISSION & CLUTCH

**TSIB REVISION NOTICE:**

- December 13, 2004: TSIB content has been expanded; 2005 model year added to Applicable Vehicles.

The previous TSIB should be discarded.

**Introduction** New automatic transmission fluid (ATF) "WS" has been introduced on the 2004 – 2005 model year GX 470, LS 430 and LX 470 vehicles. The following will provide information regarding service precautions and identification methods for vehicles which use ATF "WS."

**NOTE:**

ATF "WS" is NOT compatible with any other type of transmission fluid.

**Applicable  
Vehicles**

- 2004 – 2005 model year **GX 470, LS 430** and **LX 470** vehicles.

**Parts  
Information**

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
N/A	08886-02303	ATF WS (20 liter)	–
N/A	08886-02305	ATF WS (4 liter)	–

**Warranty  
Information**

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



**Identification  
Procedure**

The following symptoms will occur if non-WS ATF is put into a WS compatible automatic transmission:

- Non-WS ATF has a higher viscosity. Because of this, response to changes in fluid pressure decreases, lengthening shift time, causing shift flare.
- When the fluid temperature is low, (approximately -40°F (-40°C), air can enter the oil pump causing cavitation resulting in low fluid pressure.
- Fuel consumption increases.

The following symptoms will occur if ATF WS is put into a non-WS compatible automatic transmission:

- ATF WS has a lower viscosity than other ATFs. Because of this, response to changes in fluid pressure increases, shortening shift time, causing shift shock.
- If WS is filled into a non-WS automatic transmission, the fluid could leak out under high temperatures (approximately 284°F (140°C).

**Vehicles that use ATF WS can be identified by:**

- A. ATF dipstick is no longer installed.
- B. "WS" stamped on the refill plug.

**Fluid level inspection:**

Check the fluid level by inspecting for leakage. If there are no leaks present at time of inspection, the fluid level is correct.

For details about the ATF WS filling procedures, refer to the Technical Information System (TIS), 2004 or 2005 model year GX 470, LS 430 or LX 470 Repair Manual; *Automatic Transmission / Trans: Automatic Transmission Fluid (A750E/A750F)*.