

# Authorized Field Change



**AFC G-03909**

**Date:** February, 2004

**Subject File:** Transmission

**Subject:** Certain 7000 4X4 and 6X6 Models, Built Between August 4, 2003 and September 7, 2003, at the Garland Assembly Plant Do Not Have the Front Axle Engagement Sensor Installed on the Transfer Case

Truck Model: 7300

Start Date: 08/04/2003 End Date: 09/07/2003

Truck Model: 7400

Start Date: 08/04/2003 End Date: 09/07/2003

Truck Model: 7500

Start Date: 08/04/2003 End Date: 09/07/2003

Unit Code: 13TKA

Unit Code: 13TkB

Unit Code: 13TKC

## DESCRIPTION

Certain 7000 Models, built between August 4, 2003 and September 7, 2003, at the Garland Assembly Plant do not have the front axle engagement sensor installed on the transfer case. Without the sensor, the indicator light will not turn on to indicate the vehicle is in all wheel drive.

## PARTS INFORMATION

**Table 1** [Parts Information](#)

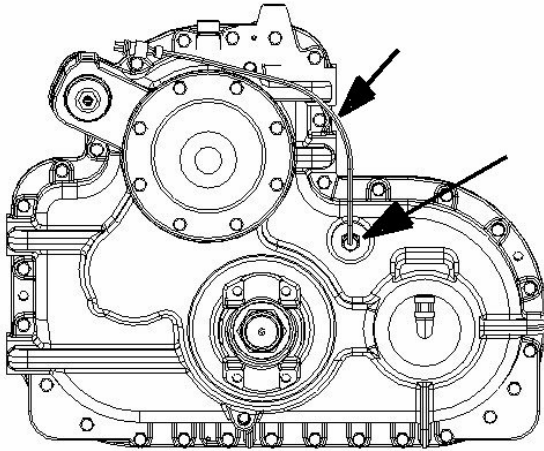
Part Number	Description	Quantity
2502117C91	Front Axle Engagement Sensor	1

## SERVICE PROCEDURE



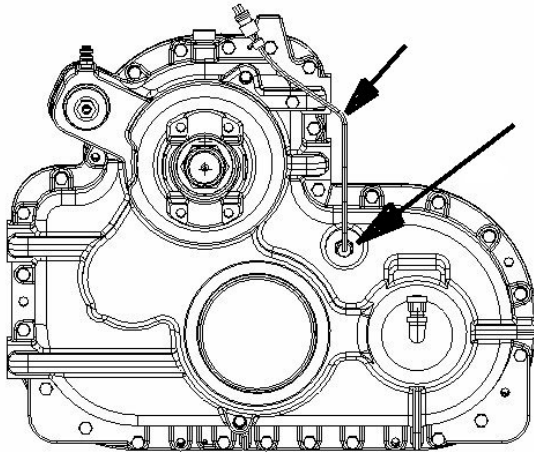
**WARNING – To avoid property damage, personal injury or death, park the vehicle on a flat level surface, turn the engine off, set the parking brake and chock the wheels.**

1. Locate the front axle engagement sensor port (Figure 1 or Figure 2) and remove the pipe plug.
2. Apply Loctite 242 thread sealant to the engagement sensor threads, install and tighten to 200 to 258 Lbf-ft (270 to 350 Nm).
3. Locate the chassis harness connector. Connect the sensor to the chassis harness.
4. With the ignition switch in the ON position, shift the transfer case to all wheel drive and verify the indicator light is ON.
5. Secure wiring to keep it away from the transfer case output yoke.



**Figure 1 Rear Cover Sensor Location and Wire Routing (Arrows) for 13TKA and 13TKC**

## SERVICE PROCEDURE (CONT.)



**Figure 2 Rear Cover Sensor Location and Wire Routing (Arrows) for 13TKB**

Operation number must appear on all claims.

**Table 2 Labor Information**

Operation No.	Description	Time
A40-03909-1	Install and Connect Front Axle engagement Sensor to Transfer Case	0.5 Hr.

### ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number G-03909.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Manual, Section 7-1. Special attention should be given to Items 39 through 44.

To assure this important improvement is made in a timely manner, all claims for G-03909 activity must be submitted by February 28, 2005 or within the normal warranty period for the vehicle, if after February 28, 2005.

GROUP	NOUN	C	WARR.	TP	PAD
GROUP Enter number G—					
NOUN Leave blank					
C (CAUSE) Enter either 1, 2, 3. (see below)					
1. Inspected (No repair required).					
2. Inspected and repaired.					
3. Defective part from parts stock.					
WARRANTY (Warranty Code) Enter 40.					
TYPE PART Enter P for type part causing failure.					
PAD Enter 100					

Distribution: All except J-81  
Reproduction: Not required.

**Figure 3**