

Authorized Field Change



AFC G-04910 R1

Date: February, 2005

Subject File: TRANSMISSION

Subject: Certain 5000i Models and 7000 Models with Caterpillar C-12 or C13 Engines and Allison HD Transmissions May Have Poor Clamp Load from the Flex Plate Mounting Bolts to the Torque Converter

Model: 5500i

Start Date: 01/02/2002 End Date: 01/16/2004

Model: 5600i

Start Date: 07/19/2001 End Date: 12/05/2003

Model: 5900i

Start Date: 02/20/2002 End Date: 07/24/2002

Model: 7600

Start Date: 05/29/2002 End Date: 06/08/2004

DESCRIPTION

REVISION DESCRIPTION

The start and end dates changed for the truck models.

RECALL DESCRIPTION

The flex plate mounting bolts may bottom out in the torque converter housing resulting in poor clamp load.

PARTS INFORMATION

Table 1

Part Number	Description	Quantity
8000851R91	Kit Contains: M8 Hex Head Bolt, 1.25 X 20 mm (12)	1
Allison 29535905	Transmission Flex Plate	1

SERVICE PROCEDURE



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



WARNING – Batteries expel explosive gases. Keep sparks, flames, burning cigarettes, or other ignition sources away at all times. Always wear safety glasses and a face shield when working near batteries to avoid property damage, personal injury or death.

1. Disconnect the negative cable from the battery.
2. Locate and remove the flywheel housing access plate, and with a 5/8 inch Allen wrench remove the threaded plug from the engine flywheel housing. The access plate and plug are on the passenger side of the flywheel housing (Figure 1 and Figure 2).



Figure 1 Bottom View of Flywheel Housing on Passenger Side, 5/8 Inch Allen Wrench Used to Remove Flywheel Housing Plug

SERVICE PROCEDURE (CONT.)

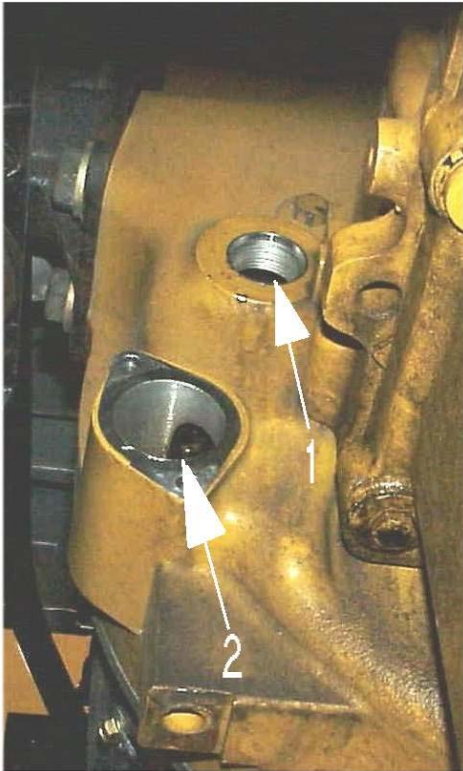


Figure 2 Plug and Access Cover Removed from Flywheel Housing

1. Plug Removed
2. Access Cover Removed

NOTE – Caterpillar has a special tool, Part Number 9S9082, which will expedite rotating the flywheel in the next step.

3. With Caterpillar special tool, Part Number 9S9082, or a suitable pry bar engage the flywheel ring gear (Figure 3) and rotate the flywheel until a flex plate mounting bolt is centered in the plug hole.

SERVICE PROCEDURE (CONT.)



Figure 3 Rotating the Flywheel with Pry Bar

CAUTION – Use extreme care when removing or installing the flex plate mounting bolts. If the bolt is dropped inside the housing and cannot be retrieved, the transmission must be removed to retrieve the bolt.

4. Remove the flex plate mounting bolt with a 13 mm socket (Figure 4).

SERVICE PROCEDURE (CONT.)



Figure 4 Remove Flex Plate Mounting Bolt

5. Inspect the removed bolt for wear and with the aid of a mirror look through the plug hole to determine if the condition of the flex plate mounting hole is elongated from wear:

NOTE: Wear is defined as excessive wear or gouging under the head of the bolt where the threaded length starts and elongation of the mounting holes in the flex plate.

- A. If the bolt and flex plate **do not** show wear from lack of clamp load, install new bolts from the kit. Tighten to 19 to 24 Lbf-ft (26 to 32 Nm). Go to Step 6.
 - B. If the bolt and/or flex plate show excessive wear from lack of clamp load, go to Step 8.
6. Repeat Steps 2 - 5A to replace the remaining bolts.
7. When the 12 mounting bolts are replaced, reinstall the flywheel plug, tighten to 14 to 17 Lbf-ft (19 to 23 Nm), and reinstall the flywheel access cover. Go to Step 9.
8. Due to the wear of the flex plate mounting bolts and/or flex plate it is necessary to replace the flex plate and mounting bolts. This will require removing the transmission to install a new flex plate and 12 new mounting bolts. Tighten the mounting bolts to 19 to 24 Lbf-ft (26 to 32 Nm).
9. Reconnect the negative cable to the battery.

Operation number must appear on all claims.

Table 2 Labor Information

Operation No.	Description	Time
A40-04910-1	Remove and Replace Flex Plate Mounting Bolts	1.1 Hrs.
A40-04910-2	Remove and Replace Flex Plate and Mounting Bolts	5.9 Hrs.

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-04910.

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-04910 activity must be submitted by February 28, 2006 or within the normal warranty period for the vehicle, if after February 28, 2006.

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

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