

Authorized Field Change

AFC G-05914

Date: January, 2006

Subject File: TRANSMISSION

Subject: Transmission Shift Cable Exposure to the Exhaust Manifold in CF 500 and CF 600 Models Built Between January 1, 2005 and July 14, 2005

Model: CF 500

Start Date: 01/01/2005 End Date: 07/14/2005

Model: CF 600

Start Date: 01/01/2005 End Date: 07/14/2005

DESCRIPTION

The transmission shift cable is exposed to the heat from the exhaust manifold and may result in high shift lever effort.

PARTS INFORMATION

Table 1

Part Number	Description	Quantity
8000879R91	Heat Shield Kit, Contains the Following: 3565208R1, Heat Shield (1) 3564290C1, High Temperature Clamp (1) 289862C1, Cable Strap Lock (2)	1
2588838C2	Shift Cable	1 (See Note)

NOTE: Replace the shift cable only if there are signs of shift cable heat damage and/or hard transmission shifting.

SERVICE PROCEDURE



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

SERVICE PROCEDURE (CONT.)



WARNING – To avoid personal injury or death allow the vehicle to cool sufficiently before performing this Service Procedure.

1. Locate the transmission shift lever and remove the cotter pin from the adjuster that connects the shift cable to the transmission shift lever (Figure 1).

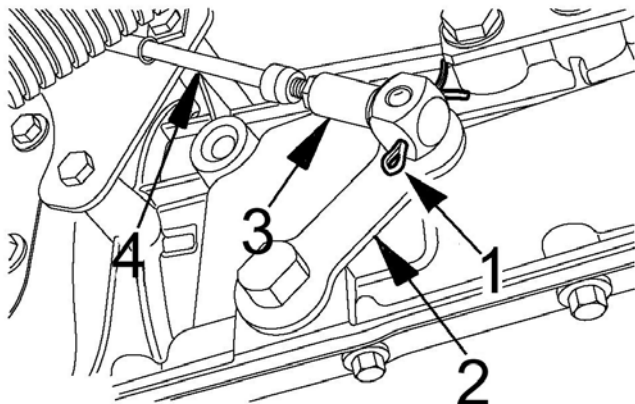


Figure 1 Remove Cotter Pin

1. Cotter Pin
 2. Transmission Shift Lever
 3. Shift Cable Adjuster
 4. Shift Cable
2. Remove the shift cable from the transmission shift lever.
 3. Remove the shift cable clamp from the transmission housing (Figure 2). Remove the clamp from the shift cable.

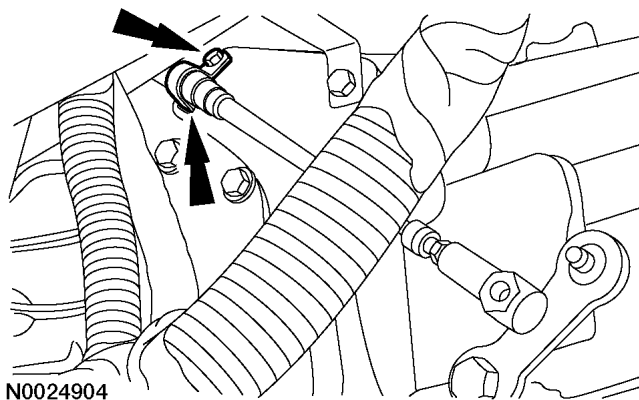


Figure 2 Remove Clamp from Shift Cable (Arrows)

SERVICE PROCEDURE (CONT.)

4. Remove the clamp from the frame mounted bracket and the shift cable (Figure 3).

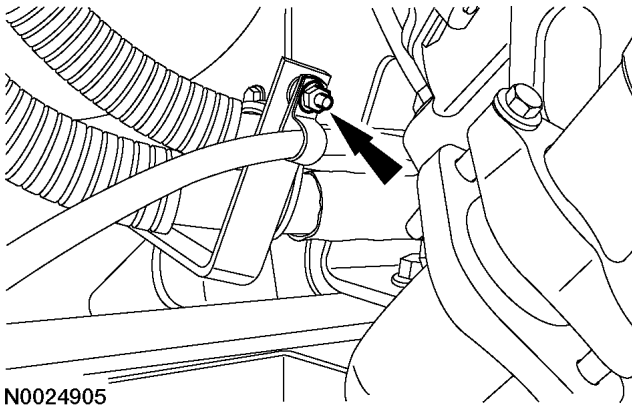


Figure 3 Remove Clamp from Shift Cable (Arrow)

5. Inspect the shift cable for signs of heat damage and/or the shift lever in the cab moves hard.
 - If there are no signs of heat damage and the cab shift lever moves easy, continue to the next Step.
 - If there are signs of heat damage and/or the cab shift lever moves hard, the shift cable will need to be replaced.

The Shift Cable has no Signs of Heat Damage and Shifts Easy

6. Mark the position of the adjuster jam nut on the shift cable (Figure 5, Item 2) and remove the adjuster (Figure 5, Item 3) from the end of the shift cable.
7. Install (slide) heat shield, Part Number 3565208R1, onto the shift cable (Figure 4) until the adjuster end of the shift cable is as shown in Figure 5. Install a cable lock strap, Part Number 289862C1, at each end of the heat shield.

SERVICE PROCEDURE (CONT.)

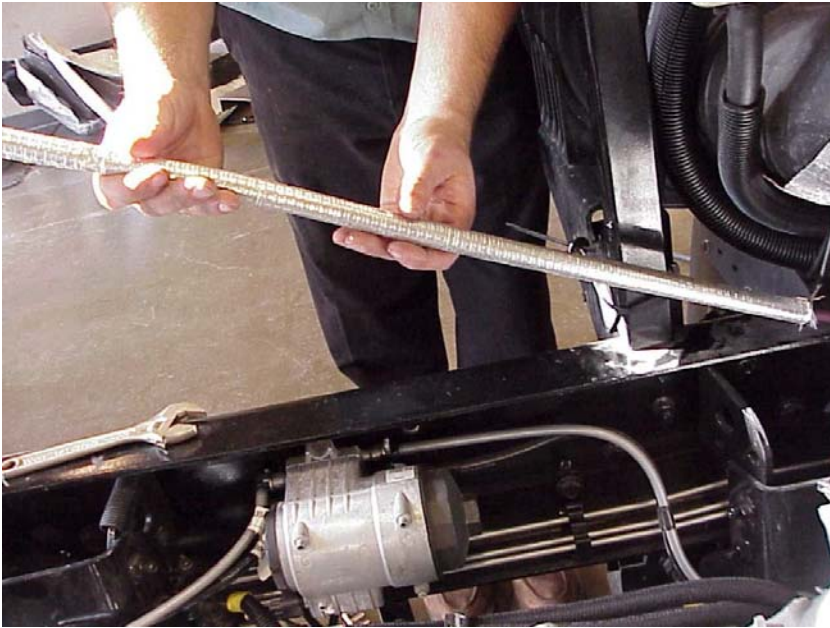


Figure 4 Install (Slide) Heat Shield onto Shift Cable

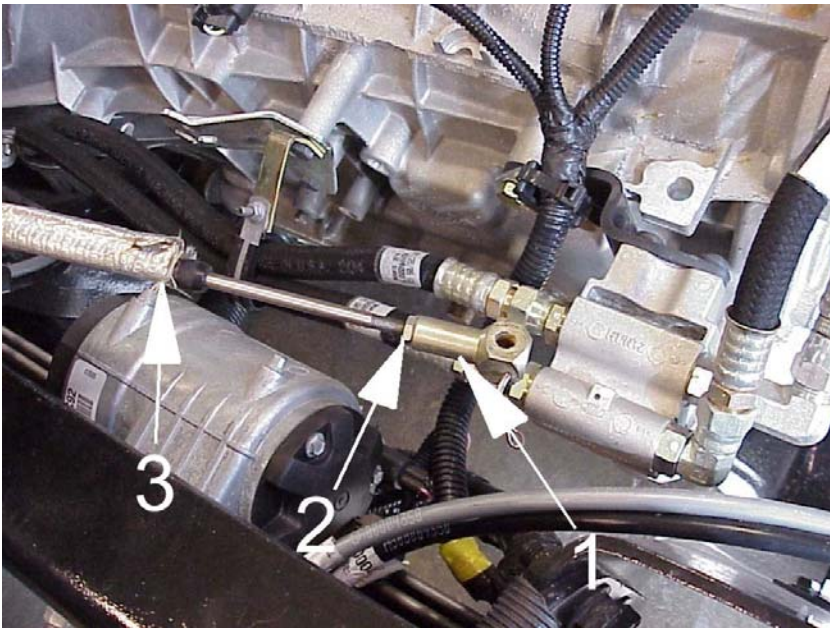


Figure 5 Heat Shield Properly Installed

1. Cable Adjuster
2. Adjuster Jam Nut
3. Heat Shield at End of Cable Housing

8. Reinstall the adjuster to the shift cable. Tighten the jam nut to 80 to 98 Lbf-in (9 to 11 Nm).
9. Reconnect the shift cable to the transmission shift lever with a new cotter pin.

SERVICE PROCEDURE (CONT.)

10. Using the hardware from Step 3, attach the shift cable to the transmission housing. Tighten to 80 to 98 Lbf-in (9 to 11 Nm)
11. Use high temperature clamp, Part Number 3564290C1, to attach the shift cable to the frame bracket (ref. Step 4). Tighten to 80 to 98 Lbf-in (9 to 11 Nm).
12. Check the shift cable for proper operation.

For Cables with Signs of Heat damage and/or Hard Shifting

13. Remove, install, and adjust the transmission shift cable following the procedure in Service Section S13036, Pages 320 through 331.
14. Install replacement shift cable, Part Number 2588838C2,. Include heat shield, Part Number 3565208R1 high temperature clamp Part Number 3564290C1, and cable lock straps, Part Number 289862C1 following Steps 7 - 12.

Operation number must appear on all claims.

Table 2 Labor Information

Operation No.	Description	Time
A40-05914-1	Install Shift Cable Heat Shield and High Temperature Clamp	0.5 Hr.
A40-05914-2	Install Replacement Shift Cable, Heat Shield, and High Temperature Clamp	1.0 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-05914.

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-05914 activity must be submitted by January 31, 2007 or within the normal warranty period for the vehicle, if after January 31, 2007.

	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						

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