

Authorized Field Change

INTERNATIONAL

AFC G-01913

Date: March, 2002

Subject File: FRONT END SHEET METAL

Subject: Fender Extension Modification for 4300 and 4400 Models with 8000 Lb. Steer Axle, Code 02ADV, Built Between October 24, 2000 and October 17, 2001 to Eliminate Tire Contact when Maneuvering Tight Turns

Truck Model: 4300

Start Date: 10/24/2000 End Date: 10/17/2001

Truck Model: 4400

Start Date: 10/24/2000 End Date: 10/17/2001

DESCRIPTION

There will be no Customer Notification letter mailed to owners for this AFC.

4300 and 4400 Models with 8000 Lb. steer axle, Code 02ADV, built between October 24, 2000 and October 17, 2001 require modification to the fender extension to eliminate tire contact when maneuvering tight turns.

In addition to modifying the fender extension, 4300 and 4400 Models built between July 17, 2001 and October 17, 2001 must have the turn angle axle stops reset to 50 degree turn angle.

PARTS INFORMATION

Table 1 [Parts Information](#)

Part Number	Description	Quantity
8000827R91	Kit Containing: Instructions 2508012R1 (1) Left Fender Extension Flap 2507939C91(1) Right Fender Extension Flap 2507940C91 (1) Washer 25552R1 (2)	1

SERVICE PROCEDURE

NOTE – If the vehicle being serviced has new fender extensions, Part Number 3566716C1 and 3566719C1, installed this modification is not necessary.



WARNING – To prevent personal injury and/or property damage, park the vehicle on a flat level surface, place the transmission in neutral or park position, chock the wheels, set the parking brake and ignition off.

1. Unlatch and tilt the hood to the open position.
2. Remove the mounting bolts and nut from the fender extension (Figure 1).
3. Remove the fender extension.

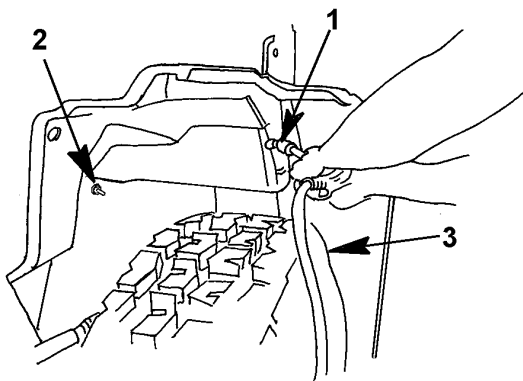


Figure 1 Removing Fender Extension- Drivers Side Shown

1. MOUNTING BOLTS (1)
 2. NUT ON MOUNTING STUD
 3. MOUNTING BOLT (NOT SHOWN IN VIEW)
4. Repeat Steps 2 and 3 for the other side.
 5. Remove two bolts from the cab mount bracket at the sled runner (Figure 3) and install the fender extension flap from Kit Number 8000827R91. Make sure the rubber flap is positioned to the outside, the metal bracket (Figure 2) against the cab mount bracket sled runner. Re-install the bolts and tighten to 88 to 106 Lbf-ft (119 to 144 Nm).

SERVICE PROCEDURE (CONT.)

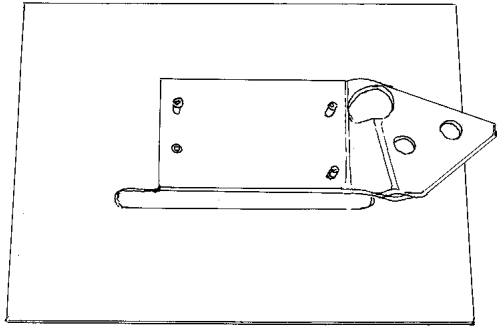


Figure 2 Rear View of Fender Extension Flap

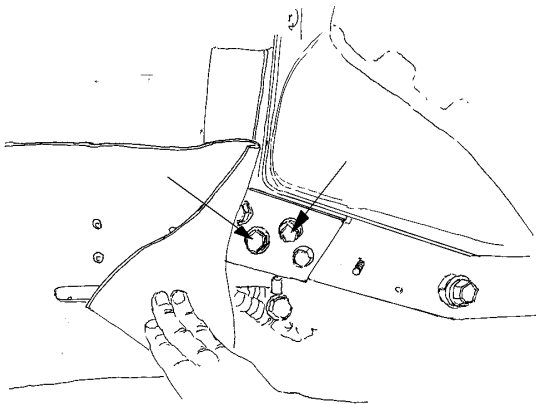


Figure 3 Fender Extension Flap Mounted to the Cab Bracket- Arrows Indicate Bolts (2) To Be Used

6. Repeat Step 5 for the other side.
7. If the vehicle was built between **July 17, 2001 and October 17, 2001** with 8000 lb. steer axles, the axle stops must be reset to 50 degree steer angle. Loosen the axle stop jam nut and turn the stop bolt inward (clockwise) 1 1/2 turns. Tighten the jam nut to 90 to 120 Lbf-ft (122 to 163 Nm) (Figure 4).

NOTE – One full turn of the axle stop bolt equals 2 degrees of turn angle.

CAUTION – Do not exceed 1 1/2 turns when adjusting the axle stop bolt from the original factory setting to avoid clearance problems with the tie rod, axle and axle attachments.

SERVICE PROCEDURE (CONT.)



Figure 4 Axle Stop Adjustment

1. TURN CLOCKWISE

8. Repeat Step 7 for the other side.
 9. Prepare the removed fender extensions for modification by cleaning the surfaces of all road debris.
 10. Use Figure 5 (driver side) and Figure 7 (passenger side) to layout or mark the area to be removed on the convex side (surface on the frame rail side or car line side) of the fender extensions.
- NOTE – The lines being marked will generally follow the contour break lines of the fender extension surface. Do not cut into the contour break lines to retain fender extension stiffness.**
11. Use a shop reciprocating saw or router to cut the fender extension following the pattern laid out in Step 10.
 12. Re-install the modified fender extensions. Install a washer from Kit 8000827R91 on the mounting stud, Item 2 in Figure 1, between the fender extension and the nut. Tighten the fasteners to 34 to 38 Lbf-ft (46 to 52 Nm).
 13. Place a jack under the center of the front axle and jack up the front end of the vehicle until the steer axle wheels are off the ground.
 14. Start the engine and let it run at idle for several minutes until the hydraulic fluid is warm. Rotate the steering wheel, with 30 pounds of rim force, to a full right and left turn to engage both axle stops. Verify clearance between tie rod, axle and axle attachments. Turn off the engine and remove the jack.

SERVICE PROCEDURE (CONT.)

Layout Instructions

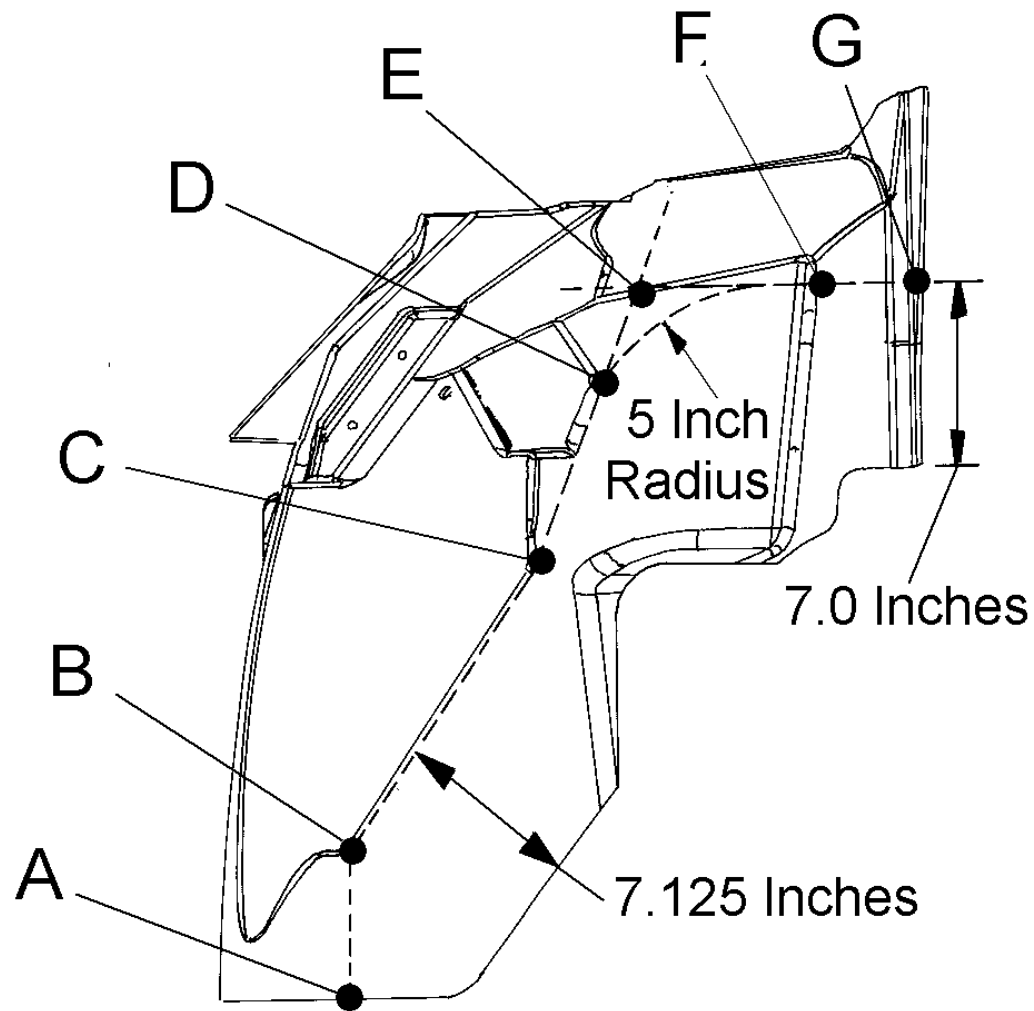


Figure 5 Fender Extension Layout- Drivers Side

SERVICE PROCEDURE (CONT.)

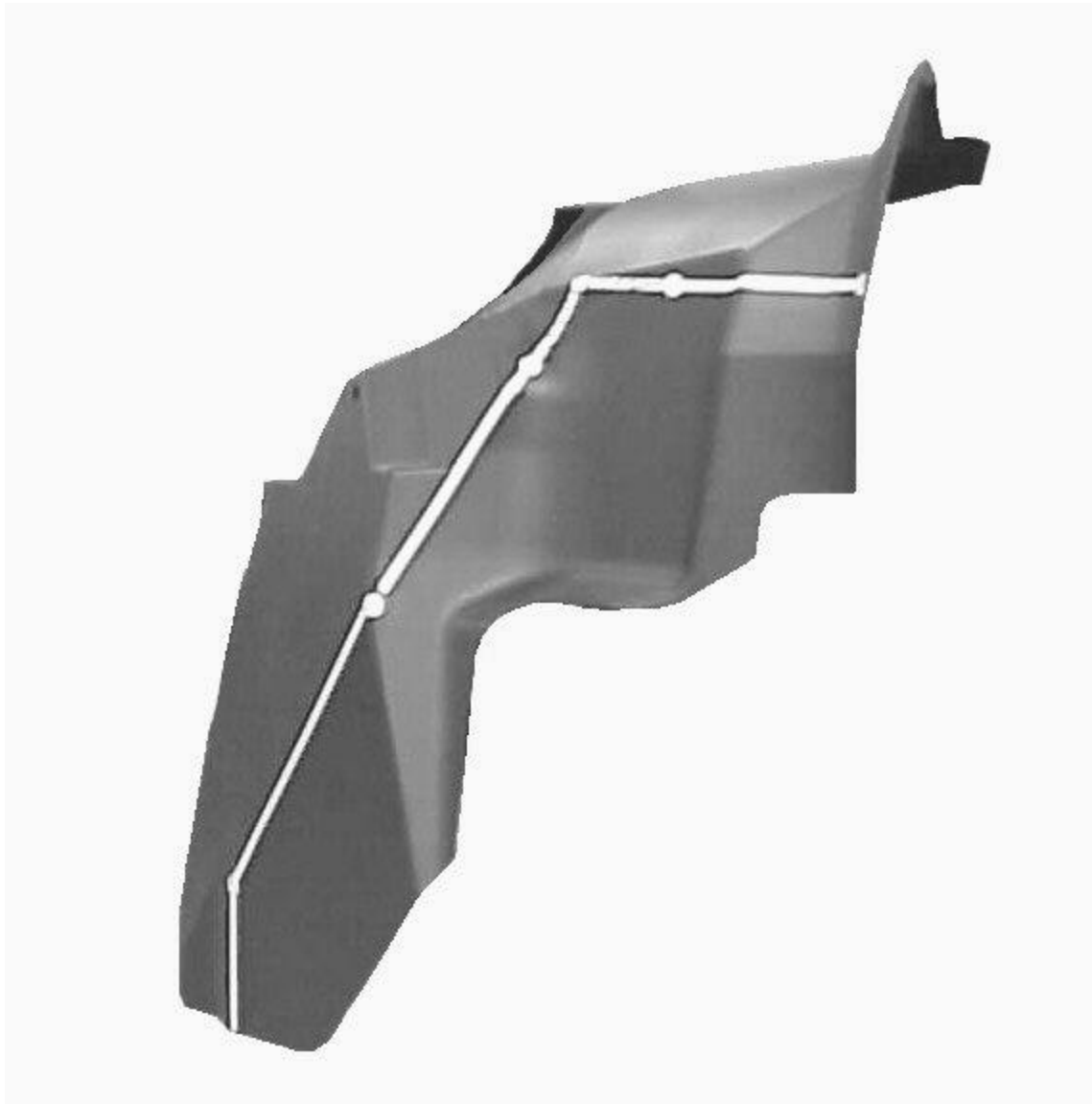


Figure 6 Fender Extension Ready for Modification

- Set up the fender extension in car line position as shown in Figure 5 and Figure 6.
 - Locate and mark points B and C along the contour break line at 7.125 inches from the edge (Figure 5).
 - Locate and mark a vertical line from the bottom edge at point A through point B (Figure 5).
 - Locate and mark horizontal line E-G 7.0 inches from the edge as shown in Figure 5.
 - Locate and mark line C-E following the contour break lines as shown in Figure 5.
 - Locate and mark a 5 inch radius between line C-E and E-G (Figure 5). Points D and F are the tangent points or blend points of the 5 inch radius.

SERVICE PROCEDURE (CONT.)

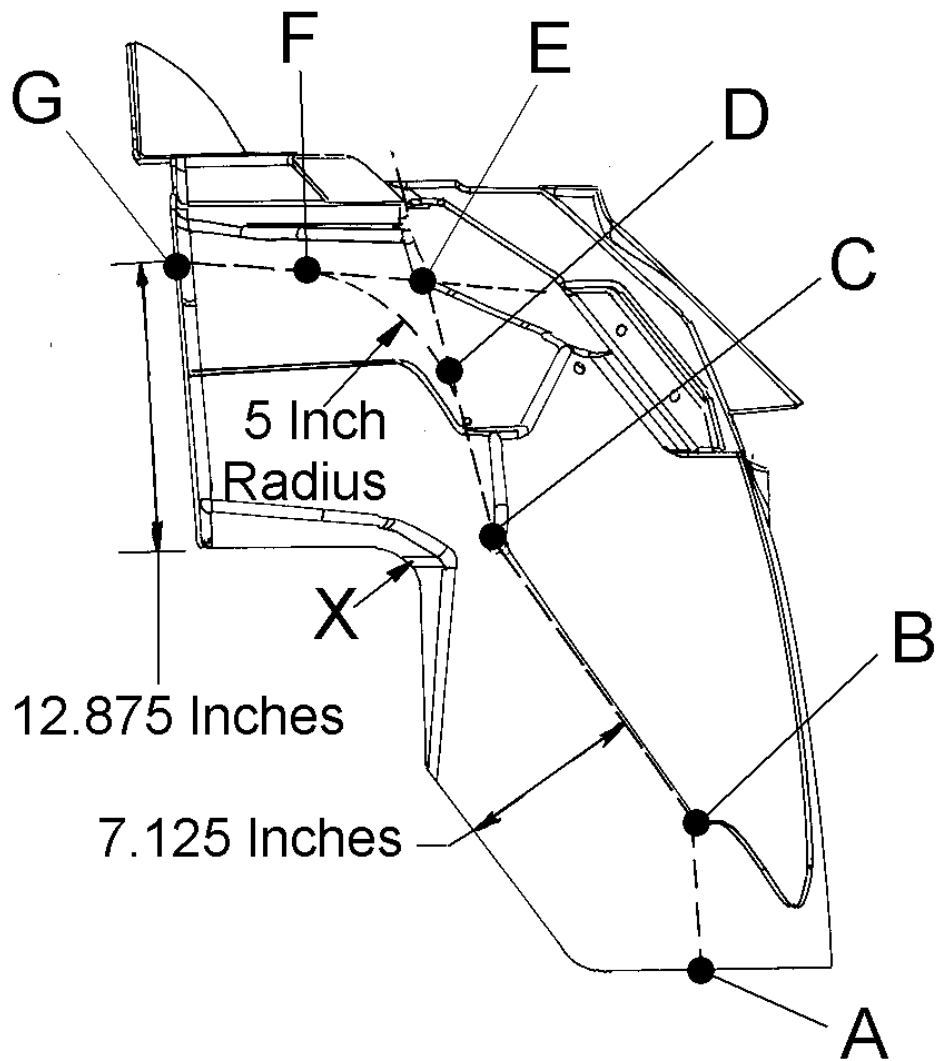


Figure 7 Fender Extension Layout- Passenger Side

SERVICE PROCEDURE (CONT.)



Figure 8 Fender Extension Ready for Modification

- Set up the fender extension in car line position as shown in Figure 7 and Figure 8.
- Locate and mark line B-C along the contour break line at 7.125 inches from the edge as shown in Figure 7.
- Locate and mark a vertical line from the edge at point A to point B following along the contour break line (Figure 7).
- Locate and mark line C-E along the contour break line (Figure 7).
- Locate and mark point G, 12.875 inches from the edge as shown in Figure 7.
- Relocate point E, along line C-E, so that it is approximately 11 inches from the inside radius noted with a X in Figure 7.
- Mark a straight line between points E and G (Figure 7).

SERVICE PROCEDURE (CONT.)

- Locate and mark a 5 inch radius between line C-E and E-G (Figure 7). Points D and F are the tangent points or blend points of the 5 inch radius.

Retain cutout fender extension material to use as a template for other vehicles covered by this AFC document.

Operation number must appear on all claims.

Table 2 Labor Information

Operation No.	Description	Time
A40-01913-1	Remove, Modify and Re-Install Fender Extensions on Driver and Passenger Side of Vehicle	1.0 Hr.
A40-01913-2	Reset Steering Angle	0.6 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-01913.

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-01913 activity must be submitted by September 30, 2004 or within the normal warranty period for the vehicle, if after September 30, 2004.

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.			

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

Figure 9