



Bulletin: 08-03-04

Reference: Fuel

Date: 11/08

PRODUCT RECALL BULLETIN

Subject: PRODUCT RECALL AMG R0801-MAIN FUEL TANK

Models Affected: ALL MODEL YEAR 2006 HUMMER H1 ALPHA MODELS

SERVICE INFORMATION

The vehicle main fuel tank may contact the rear propshaft rear universal joint and could cause a rub-through and leak condition. All 2006 model year HUMMER H1 Alpha Series vehicles built between January 17, 2005 and August 9, 2006 are involved in this recall campaign.

OWNER NOTIFICATION

Owners of affected HUMMERs will be contacted and requested to make arrangements with a local dealer for campaign service. Campaign service will be performed at no cost to the owner. A copy of the Owner's Notification Letter is included with this bulletin.

Important: Some involved vehicles may be in Dealer Inventory (new or used), or in use as demonstrator models. If so, these vehicles must have the campaign service completed before retail delivery.

SERVICE REPAIR AND RELATED COMPONENTS

Service repair will require replacement of the main fuel tank assembly and mounting hardware.

PARTS

The Fuel Tank Replacement Kit PN 6047916 can be ordered through the DCS.

WARRANTY

The provisions of the normal warranty policy apply.

TIME

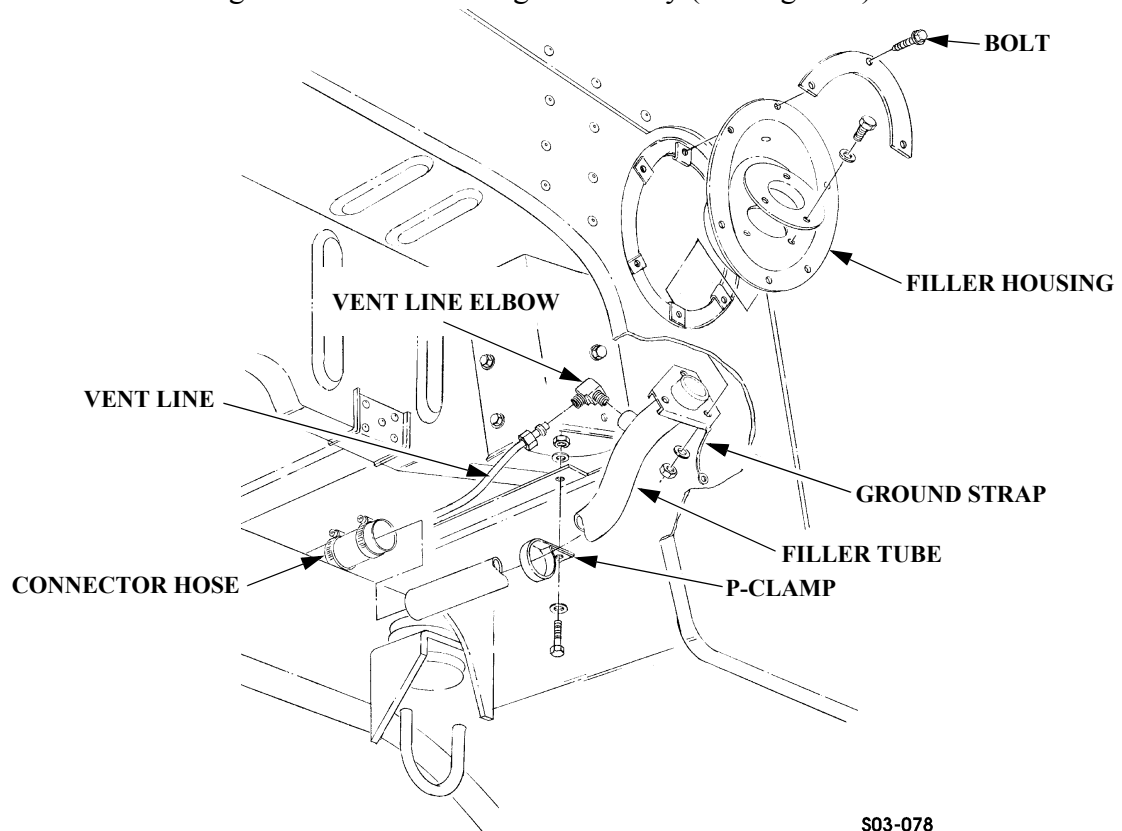
The time required to replace the fuel tank assembly is 2.0 hours. Labor operation 080304, warranty type J, complaint code R0801, malfunction code 86.

The following items are contained in the fuel tank replacement kit PN 6047916:

ITEM	DESCRIPTION	PART NUMBER	QTY
1	Fuel Tank Assembly, Complete	6047017	1
2	Anti Squeak Pad, Fuel Tank, Front	12338557-1	1
3	Anti Squeak Pad, Fuel Tank, Rear	12338557-2	1
4	Strap, Fuel Tank, Front Inner	6018468	1
5	Insulator, Fuel Tank Strap, Front Inner	6018801	1
6	Strap, Fuel Tank, Front Outer	6018465	1
7	Insulator, Fuel Tank Strap, Front Outer	6018802	1
8	Strap, Fuel Tank, Bottom Front	6018572	1
9	Insulator, Fuel Tank Strap, Bottom Front	12460108-1	1
10	Strap, Fuel Tank, Rear Inner	6018163	1
11	Insulator, Fuel Tank Strap, Rear Inner	12460108-6	1
12	Strap, Fuel Tank, Rear Outer	6018165	1
13	Insulator, Fuel Tank Strap, Rear Outer	6018167	1
14	Strap, Fuel Tank, Bottom Rear	6018569	1
15	Insulator, Fuel Tank Strap, Bottom Rear	12460108-4	1
16	Shield, Fuel Tank Rear	6046907	1
17	Spacer, Front Strap, Hexagonal, 0.70"	6045069	1
18	Spacer, Rear Strap, Round, 0.39"	6044334	1
19	Hose, Filler Neck to Fuel Tank	12338551-2	1
20	Clamp, Hose, 1.81"-2.75"	11608950-10	2
21	Bolt, 1/4-28 x 5/8"	9415857	3
22	Bolt, 3/8-16 x 1.0"	MS90728-60	2
23	Bolt, 3/8-16 x 2.25"	6011295	2
24	Nut, 3/8-16 Self Locking	MS51943-35	4
25	Washer, Flat, 3/8"	2436163	8
26	Washer, Flat, 1/4 x 1-3/8"	12341718	3
27	Washer, Lock, 1/4"	MS35338-44	3
28	Strap, Tiedown, 13.35"	MS3367-2-0	3
29	Clip, Fuel Line Locking, 5/16"	5746522	1
30	Clip, Fuel Line Locking, 3/8"	5746523	1
31	Loctite 518, 6ml Tube	5746520	1

PROCEDURE

1. Drain the main fuel tank with the recommended equipment and retain the fuel for filling the new tank after installation.
2. Remove the bolts securing the fuel filler housing to the body (See Figure 1).



S03-078

Figure 1: Filler Tube Attachment

3. Disconnect the tank vent line at the elbow in the fuel filler tube.
4. Remove the p-clamp and ground strap securing the filler tube to the body.
5. Loosen the clamps securing the connector hose to the filler tube.
6. Remove the fuel filler housing and tube assembly from the vehicle.
7. Raise the vehicle.
8. Disconnect the rear propeller shaft from the rear axle yoke and remove the propeller shaft.
9. Disconnect both vent line connections at the tee fitting at the rear inboard side of the fuel tank.
10. Remove the four transfer case rear extension housing bolts and remove the extension housing from the transfer case (See Figure 2).

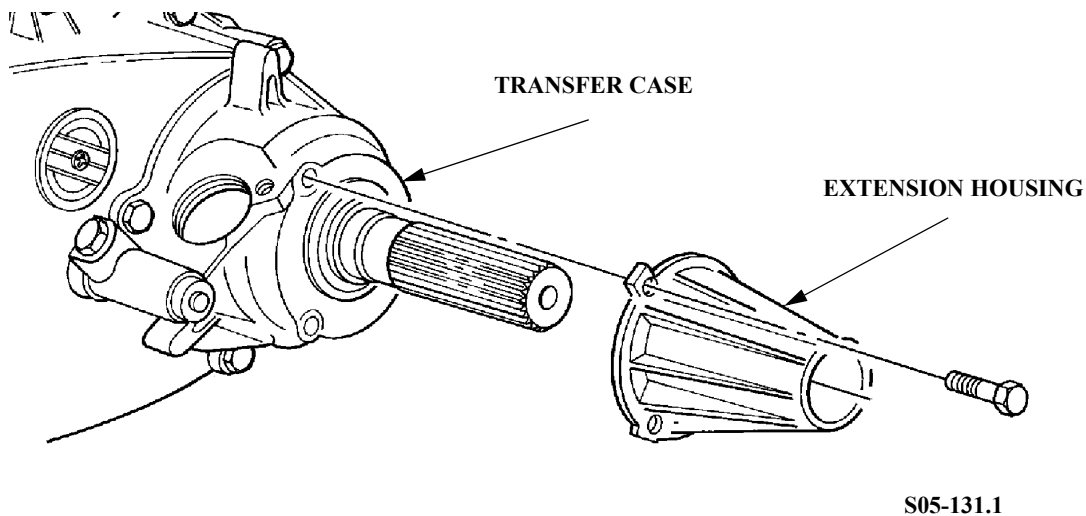


Figure 2: Rear Extension Housing

11. Remove the rear axle driveline protection and front bracket from the rear suspension front cross member.
12. Rotate the rear axle yoke to a vertical position to allow clearance during tank removal.
13. Support the tank with a transmission jack or other suitable support device.
14. Remove the bolts and nuts connecting the front and rear inner tank mount straps to the bottom straps (See Figure 3). Remove both bottom straps and unbolt the rear inner strap from the body and discard.

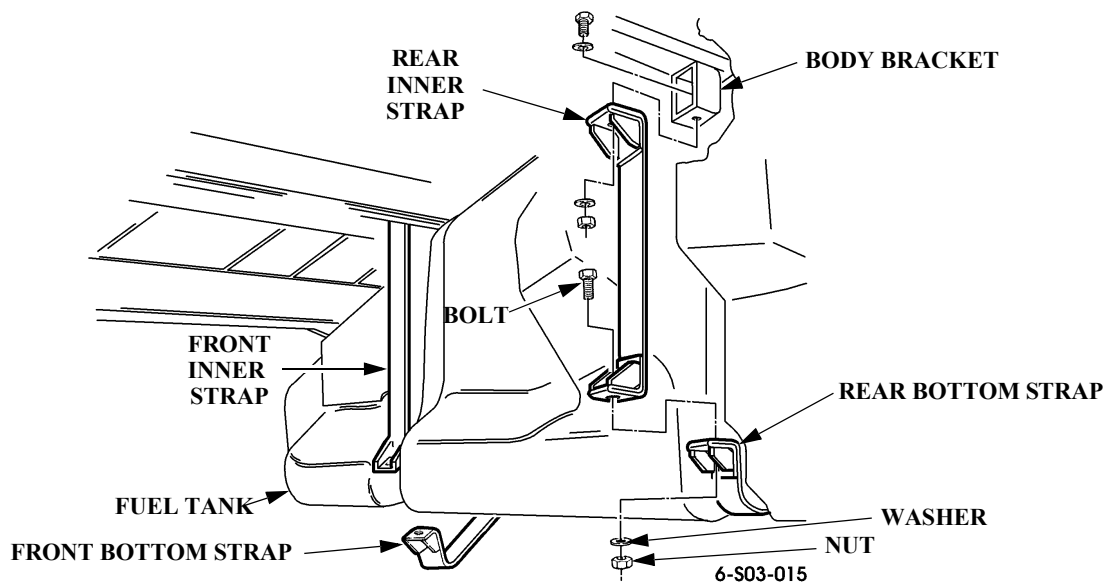


Figure 3: Fuel Tank Mounting Straps

15. Lower the tank enough to gain access to the wires and fuel lines connected to the top of the fuel tank access plate and the remaining vent line connections.
16. Disconnect the wire connection at the fuel tank selector valve and the underbody harness connection above the propeller shaft area. Note the location of and remove the wire ties securing the harness to the fuel line and vent lines.

17. Remove the locking clips from the tank end of the fuel supply and return lines and disconnect the fuel line p-clamp from the tank access plate bracket.
18. Disconnect the filler vent line from the elbow on the top of the fuel tank inboard of the tank access plate.
19. Lower and remove the fuel tank. It may be necessary to place a thin scraper blade between the fuel tank and the rear transfer case output shaft to allow the tank to slide past it as there is little clearance for the tank to pass the shaft.
20. Remove the front inner, outer and rear outer tank mounting straps from the body and discard.
21. Prior to replacement of the tank straps, match up the correct length supplied insulator pads and install the pads on the supplied tank straps.
22. Remove the anti-squeak pads from the underside of the body above the tank.
23. Remove the protective backing and stick the new anti-squeak pads on the top of the new tank in the locations illustrated (See Figure 4). The longer, thicker pad is to be installed at the rear location and the shorter, thinner pad at the front location.

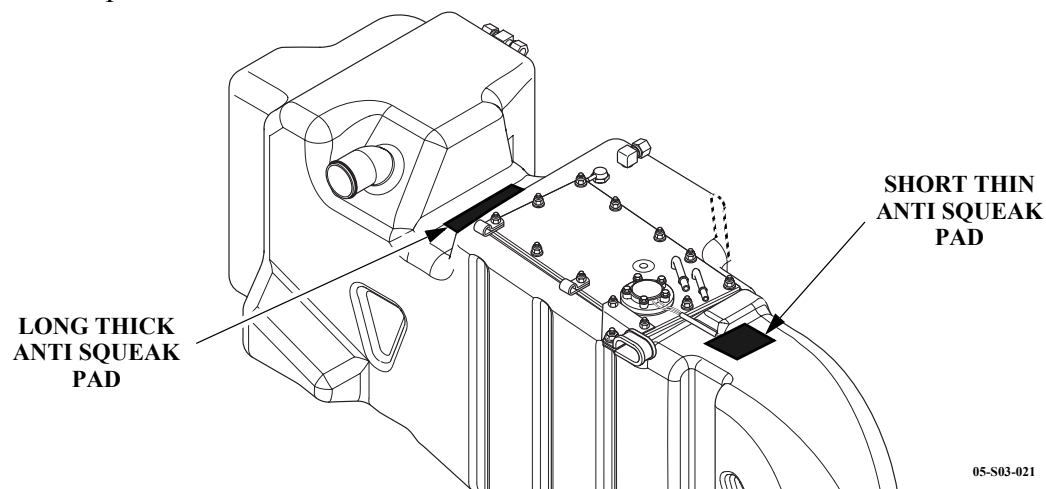


Figure 4: Anti Squeak Pad Location

24. Transfer the inboard propeller shaft shield from the old tank to the new tank.
25. Secure the shield to the new tank using the existing bolts and washers with Loctite® 242 applied to the bolts. Tighten the bolts to 60 lb-in. (7 N•m).
26. Transfer the front and bottom tank shields and secure in position with duct or similar heavy tape.
27. Clean the extension housing and the rear of the transfer case to remove the existing sealant.
28. Apply a 3/16 inch (5 mm) wide bead of Loctite 518 gasket eliminator to the extension housing flange.
29. Install the extension housing on the rear of the transfer case. The square lug on the extension housing flange is at the bottom when installed correctly. Tighten the housing bolts to 20-25 lb-ft. (27-34 N•m).

30. Install the supplied rear outboard tank support strap to the body structure with the supplied 3/8-16 x 1" bolts, flat washers, and nuts (See Figure 5). Torque the strap to body bolts to 34-40 lb-ft. (47-56 N•m).

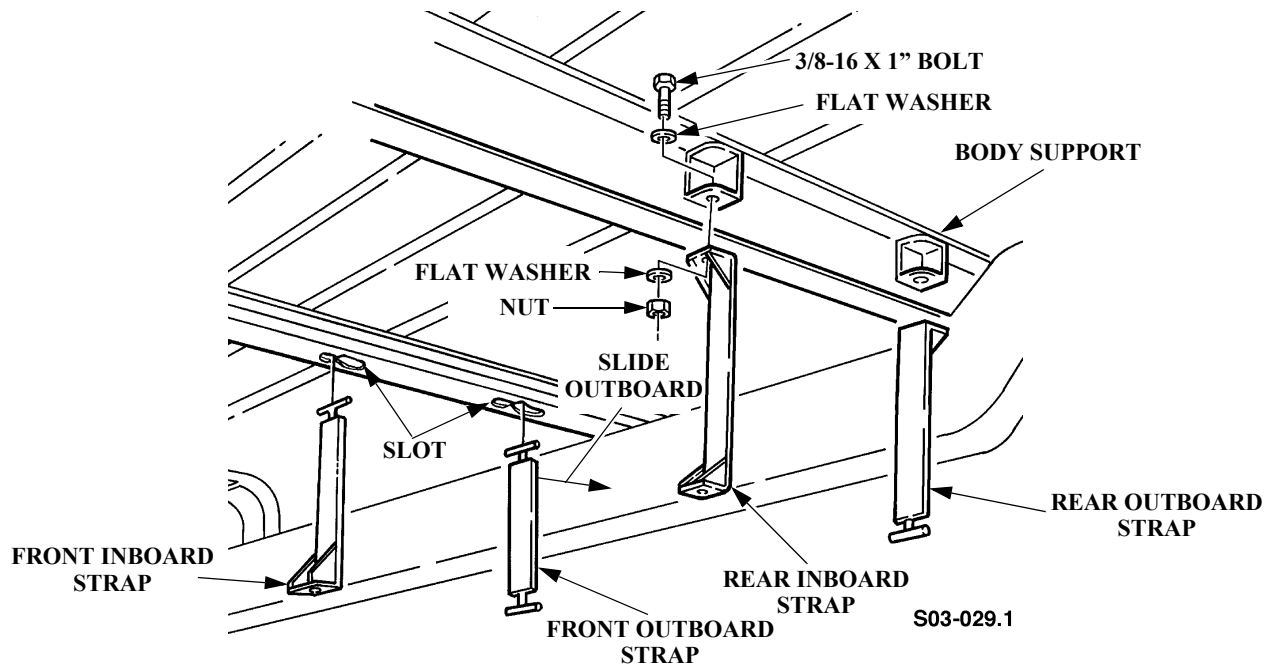


Figure 5: Tank Strap to Body Attachment

31. Place the new fuel tank on the jack and raise the tank to allow connection of the fuel lines and the wire harness.
32. Secure the harness to the tank selector valve to the fuel and vent lines with the supplied wire ties at the previously noted locations.
33. Connect the fuel lines to the tank supply and return fittings and install the supplied retaining clips.
34. Connect the fuel line p-clamp to the fuel line support bracket on the tank with the existing hardware.
35. Connect the vent lines to the rollover valve and the 90 degree elbow on the top of the tank.
36. Install the front outer strap in position fully engaging the T-bar into the slot in the body and to the outboard end of the slot. The insulator is toward the tank and the curved lip of the strap is toward the rear of the vehicle when properly installed.
37. Install the front inner strap in position fully engaging the T-bar into the slot in the body and to the outboard end of the slot. The insulator is toward the tank and the curved lip of the strap is toward the rear of the vehicle when properly installed.
38. Raise the tank into position.
39. Hook the front bottom tank strap onto the outer strap T-bar ensuring the bar is seated fully in the socket on the bottom strap end (See Figure 6).

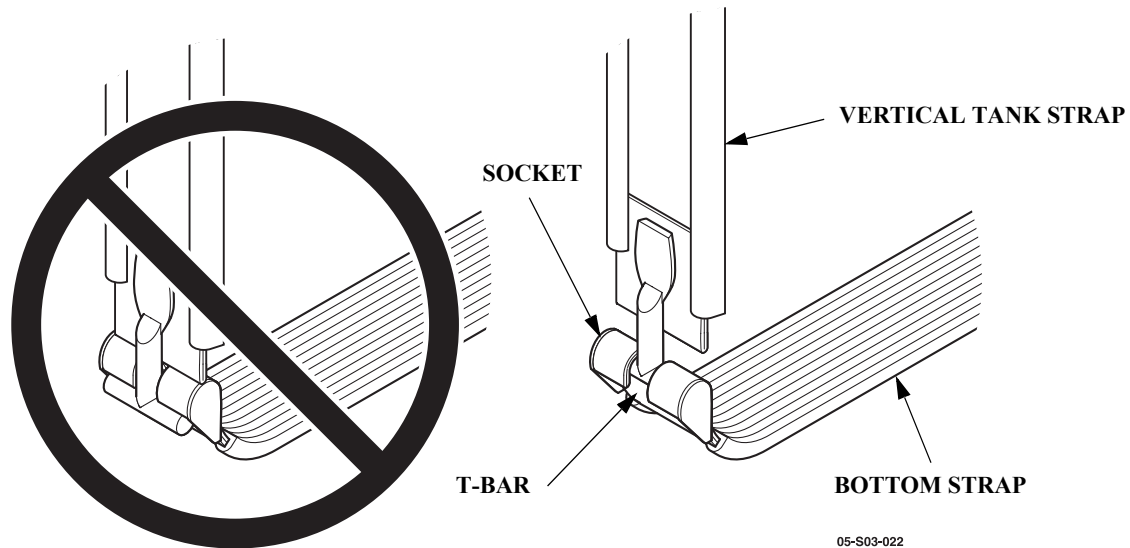


Figure 6: Vertical Strap Attachment to Bottom Strap

40. Connect the front inner vertical tank strap to the bottom strap with the hexagonal 0.7 inch tall spacer marked “FRONT” installed between the straps using the supplied 3/8-16 x 2-1/4 inch bolt, flat washers and nut. Do not fully tighten at this time to allow positioning of the tank (See Figure 7).

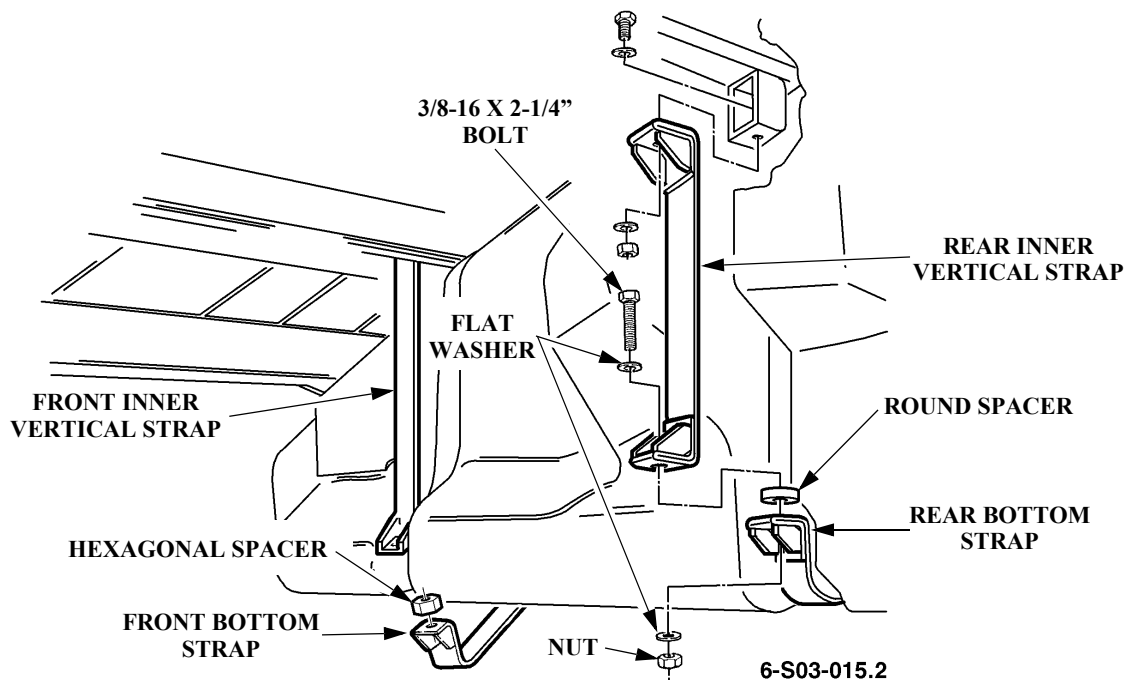


Figure 7: Tank Strap Spacer Location

41. Install the supplied rear inner tank support strap to the body structure with the supplied 3/8-16 x 1” bolts, flat washers, and nuts (See Figure 5). Torque the strap to body bolts to 34-40 lb-ft. (47-56 N•m).
42. Hook the rear bottom support strap onto the outer strap T-bar ensuring the bar is seated fully in the socket on the bottom strap outer end (See Figure 6).

43. Connect the rear vertical inner support strap to the bottom strap with the round 0.39 inch tall spacer installed between the straps using the supplied 3/8-16 x 2-1/4 inch bolt, flat washers and nut. Do not fully tighten at this time to allow positioning of the tank.
44. Verify the wiring harness, tank fill vent line and rollover vent line are not pinched between the tank and the frame rail or body.
45. Connect the fuel fill vent lines to the tank tee fitting.
46. Install the fuel tank rear shield to the tank with the supplied 1/4-28 x 5/8" bolts, lock washers and fender washers with Loctite 242 applied to the bolts. Tighten the bolts to 60 lb-in (7 N•m).
47. Slide the propeller shaft slip yoke into the extension housing.
48. Connect the shaft to the axle yoke with the two straps and 4 bolts. Tighten the bolts to 13-18 lb-ft. (18-24 N•m).
49. Install the rear axle driveline protection front bracket to the rear suspension front cross member. Tighten the four bolts to 24 lb-ft. (33 N•m).
50. Secure the rear axle driveline protection to the front bracket with the three bolts, washers and locknuts. Tighten the bolts to 44 lb-ft. (60 N•m).
51. Tighten the locknuts securing the rear of the rear axle driveline protection to the rear suspension rear cross member to 24 lb-ft. (33 N•m).
52. Install the new tank connector hose onto the filler neck of the tank until it contacts the hose stop on the tank neck. Secure with one of the supplied clamps and tighten the clamp to 30-40 lb-in.
53. Lubricate the fuel filler tube lightly with silicon grease to ease installation into the fuel tank connector hose.
54. Slide the fuel filler tube through the filler opening in the body. Place the remaining clamp on the tank connector hose. Engage the filler tube into the connector hose a minimum of one inch.
55. Secure the fuel filler housing to the body and connect the vent line to the elbow fitting on the filler tube.
56. While gently pushing the tank outboard toward the frame rail, tighten the two tank bolts to 20-25 lb-ft. (28-35 N•m).
57. Tighten the fuel tank connector hose to filler tube clamp to 30-40 lb-in.
58. Secure the fuel filler tube p-clamp and ground strap to the body.
59. Refill the tank with the previously removed fuel.
60. Start the engine and verify proper operation. Check for leaks and repair if necessary.

**CUSTOMER NOTIFICATION LETTER
SAFETY RECALL AMG R0801
MAIN FUEL TANK**

November 2008

Dear HUMMER® Owner:

This notice is being sent to you in accordance with requirements of the National Traffic and Motor Vehicle Safety Act. AM General has decided that a defect which relates to motor vehicle safety exists in 2006 model year HUMMER H1 Alpha Series vehicles built between January 17, 2005 and August 9, 2006.

The problem is ... The vehicle main fuel tank may contact the rear propshaft rear universal joint and could cause a rub-through and leak condition. Fuel leakage, in the presence of an ignition source, could result in a fire.

What your HUMMER Dealer will do ... Your dealer will remove and replace your main fuel tank, with a new modified fuel tank assembly including all new attaching hardware. This procedure will be performed at **NO COST** to you. If you had this repair performed before you received this letter, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this recall. For more information contact AM General at 1-800-638-8303.

What you must do ... Contact your HUMMER Dealer immediately to schedule an appointment for this important service. **REFERENCE NUMBER AMG R0801.**

If you need help ... If you have trouble getting your vehicle inspected, please call AM General at 1-800-638-8303. If you believe that AM General or your authorized HUMMER Dealer has failed or is unable to remedy the problem without charge or within reasonable time, you may submit a written complaint to: The Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Ave. SE, Washington, D.C. 20590; or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

We apologize for any inconvenience to you, but your safety and continued satisfaction with your HUMMER are important to us. Your cooperation is appreciated.

Customer Satisfaction Department
AM General LLC

**DEALER NOTIFICATION LETTER
SAFETY RECALL AMG R0801
MAIN FUEL TANK**

November 2008

Dear HUMMER[®] Dealer:

Enclosed herewith you will find information about Safety Recall AMG R0801, Vehicle Main Fuel Tank Assembly. Please review this material carefully. Owners will be instructed to contact you to arrange an appointment.

The vehicle main fuel tank may contact the rear propshaft rear universal joint and could cause a rub-through leak condition. All 2006 model year HUMMER H1 Alpha Series vehicles built between January 17, 2005 and August 9, 2006 are involved in this recall campaign.

In order to maximize customer understanding on this matter, your cooperation is requested. **PLEASE DO NOT** make unsolicited contact with Owners regarding this campaign. All the vehicles involved with this condition have been identified and owners are being individually contacted to bring their vehicles in for repair.

If you have any questions regarding this request or the enclosed material, please contact our Warranty Department at 1-800-638-8303.

Customer Satisfaction Department
AM General LLC

Enclosures