

Newmar Corporation Warranty Department

Technical Service Bulletin							
Date Issued	Model Year(s) Affected	Model(s) Affected			TSB #		
10/23/2006	2004 2005 2006	Workhorse 8.1 L gasoline engines			304		
Brand					Type		
All ☒	American Star ☐	Dutch Star ☐	Kountry Star ☐	Mountain Aire ☐	Kountry Aire ☐	Essex ☐	
Scottsdale ☐	Northern Star ☐	London Aire ☐					
☐ Air Conditioning & Heating ☐ Appliances & Accessories ☐ Cabinets & Furniture ☒ Chassis Components ☐ Construction Components ☐ Electrical Components ☐ Exterior Components ☐ Interior Components ☐ Plumbing & Bath Components ☐ Windows, Awnings, Vents, & Doors							
Description of Problem							
Possible installation of an improperly heat treated fuel rail damper retainer clip. The retainer clip on the subject engines may fracture without warning, resulting in inadequate retention of the damper. If the damper becomes loose, pressurized fuel may spray onto the engine.							
Recommended Solution							
Replace the fuel rail damper clip. See manufacturer's attached repair directions. Contact manufacturer directly for additional information or instructions.							

If you have any questions regarding this T.S.B., please contact a Warranty Service Representative at Newmar Corporation.

SAFETY RECALL NOTICE

August, 2006

**Workhorse Recall No. 60601-C
NHTSA Recall No. 06V-225**

Dear Workhorse Custom Chassis Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Workhorse Custom Chassis has decided that a defect which relates to motor vehicle safety exists in Model Year 2004, 2005, and some 2006 W20, W22, W24, P32, W18, W52 and FE20 chassis models equipped with GM L18 (8.1 liter) engines. Our records indicate that you are the owner of one of these vehicles. Workhorse is recalling these vehicles to replace a defective fuel rail pulse damper retainer clip. Federal regulations require that any vehicle lessor receiving this Recall Notice must forward a copy of this notice to the lessee within ten days.

REASON FOR THIS SAFETY RECALL CAMPAIGN

The subject GM L18 engine is equipped with a fuel rail pulse damper retainer clip, which may have been incorrectly heat treated. GM has advised us that the retainer clip on the subject engine may fracture without warning, resulting in inadequate retention of the damper. If the damper becomes loose, pressurized fuel may spray onto the engine.

RISK TO MOTOR VEHICLE SAFETY

In the presence of an ignition source, this may cause a fire possibly resulting in property damage, personal injury, or death.

WHAT WE WILL DO

Workhorse will replace the retainer clip with a non-defective part at no charge.

WHAT YOU SHOULD DO

To ensure that you have a new clip available to you when you visit an authorized Workhorse Dealer, we have included a clip with this letter. Please contact your Workhorse Custom Chassis dealer to arrange a service date. Refer to Service Bulletin No. 60101-C and provide your 17-digit VIN. The dealer labor time to perform this service should be approximately 1 hour. You will not be charged for this repair. Replacement parts are currently available for your dealership to order. , or you may give the dealer the included clip.

If you have previously had this defect corrected, you may be eligible for reimbursement. Please contact Workhorse at (877) 946-7731 to determine reimbursement eligibility.

Federal regulations require that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten (10) days. Please note that it is a violation of Federal law for a dealer to deliver a new vehicle covered by this notice under a sale or lease until the defect is remedied.

If you are unable to obtain the specified repair promptly and without charge, please contact Workhorse Custom Chassis at (877) 946-7731. If you believe that Workhorse Custom Chassis has failed or is unable to remedy the condition outlined above without charge within a reasonable period of time, you may contact the Administrator, National Highway and Traffic Safety Administration, at 400 Seventh Street, S.W., Washington, D.C. 20590; or call the toll-free Auto Safety Hotline at 1-888-327-4326 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>

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We apologize for any inconvenience this may cause. We have taken this action in the interest of your safety and continued satisfaction with our products.

Workhorse Custom Chassis



WORKHORSE CUSTOM CHASSIS SERVICE BULLETIN

BULLETIN NO: 60601-C

BULLETIN TYPE: Safety Campaign

SUBJECT: 8.1 L Engine Fuel Rail Damper Retainer Clip

MODELS: 2004, 2005 and certain 2006 W20, W22, W24, P32, W52, W18 and FE20 models with 8.1L Gasoline Engine

Workhorse Custom Chassis has determined that a defect, which relates to motor vehicle safety, may exist in 2004, 2005 and certain 2006 Workhorse models with 8.1 L gasoline engine.

The defect involves the possible installation of an improperly heat treated fuel rail damper retainer clip. An improperly heat treated clip may break resulting in a gasoline fuel leak at the fuel rail damper. A vehicle fire can result if the leaking fuel is ignited by a spark, or flame.

A defective clip can not be confirmed by a visual inspection. Therefore, Workhorse Custom Chassis is conducting a safety recall campaign to replace the fuel rail damper retaining clip on all units involved.

VEHICLES INVOLVED

All 2004, 2005, and 2006 W20, W22, W24, P32, W52, W18 and FE20 models built from 5/13/2003 to 06/29/2006. VIN range is between 373332 and 419304. There are approximately 32,000 units involved.

Dealers should check the WOW system to determine if a specific vehicle is involved.

OWNER NOTIFICATION

Workhorse Custom Chassis will notify retail owners and body companies on this campaign. Attached is the owner letter with owner instructions.

DEALER CAMPAIGN RESPONSIBILITY

1. WCC dealers must perform this campaign on identified customer vehicles at their request at no charge regardless of time or vehicle mileage.
2. All dealer new or used stock must be held and repaired before delivery to retail customers. It is a violation of law to deliver a non-campaigned vehicle to a retail customer.

SERVICE PROCEDURE

The service procedure is to replace the fuel rail damper retaining clip. Please refer to your appropriate Service Manual for expanded instructions and cautions when working on vehicle fuel systems. Following are basics instructions:

1. Turn off engine and have ignition key in off position.
2. Remove engine cover to gain access to fuel rail on left side top of engine.
3. Disconnect the negative battery cable.
4. Loosen the fuel filler cap in order to relieve the tank vapor pressure.
5. Relieve any residual fuel pressure through the fuel pressure connection valve shown by photo 1 using a fuel pressure gage, or equivalent, and an approved fuel container. Wrap a shop towel around the fitting while connecting the gage in order to avoid spillage.
6. Push down on the fuel damper while using a flat screw driver to remove the existing clip. (See photos 2 and 3)
7. Do not remove the fuel damper from the fuel rail. If the damper is removed the fuel damper o-ring must be replaced at the technician's/dealer's expense.
8. While holding down the damper, install the new clip in same position as removed clip.
9. Reconnect the negative battery cable.
10. Tighten the fuel filler cap.
11. Start engine and examine fuel damper to rail to make sure that there are no fuel leaks.

NOTE: If there is a fuel leak after installation of the new clip or if fuel rail and damper have excessive corrosion, the rail and/or damper should be replaced as a separate repair. A TAC case should be made for rail replacement. TAC may request that any removed fuel rails and/or dampers be returned to Workhorse for product evaluation.

RECALL CAMPAIGN COMPLETION LABEL

Complete the Recall Campaign Completion Label (part number W8001493) and attach to air cleaner housing in a visible area. These labels are available from the WCC Parts Department.

WARRANTY INFORMATION

Claim Type-----Complete campaign 60601-C

Labor Operation Code-----T6022-----1.0 hours --- Replace fuel rail damper retaining clip. (The time includes 0.2 hours dealer Administrative time)

PARTS INFORMATION

A fuel rail damper retaining clip will be sent to each customer of known address with the owner letter. This mailing is a continuing process as additional owner data is obtained. The owner has been directed to take the clip to a Workhorse dealer to get the clip replaced by a certified fuel system technician.

The rail damper clip (Part number 12575017) can also be obtained through normal Workhorse Parts channels.

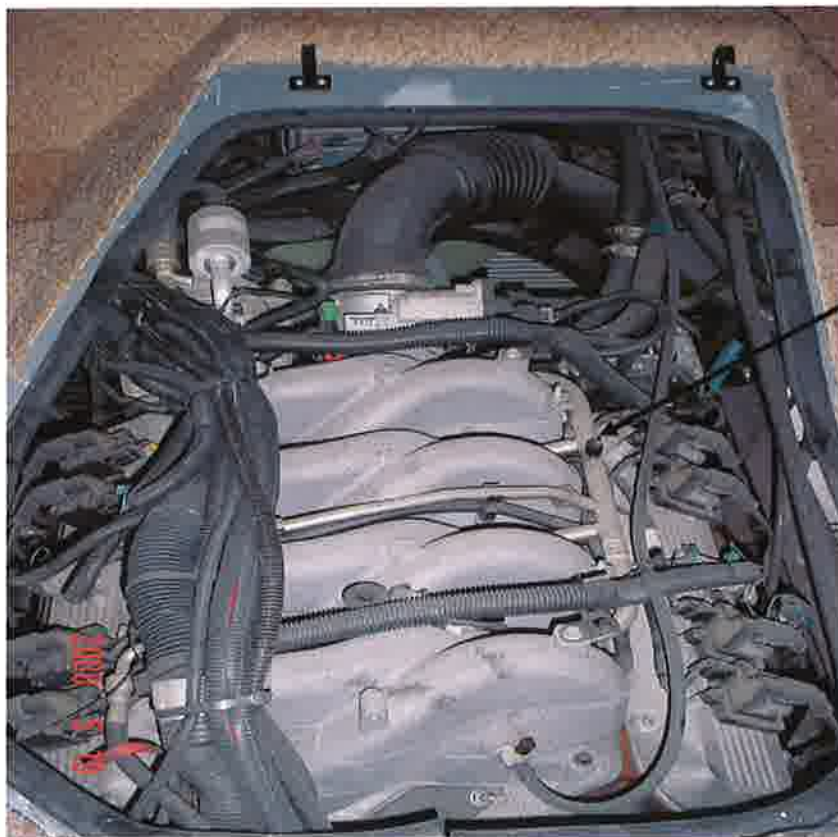


Photo 1 Black cap on pressure valve on fuel rail on top RH side of Engine

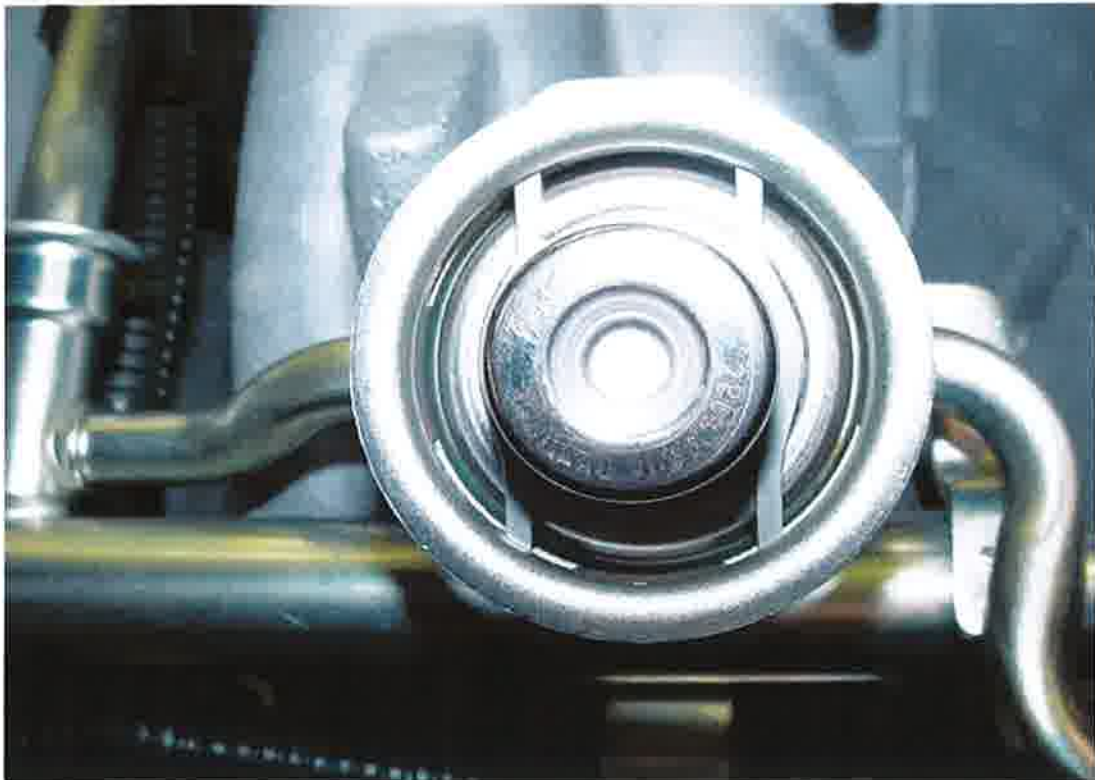
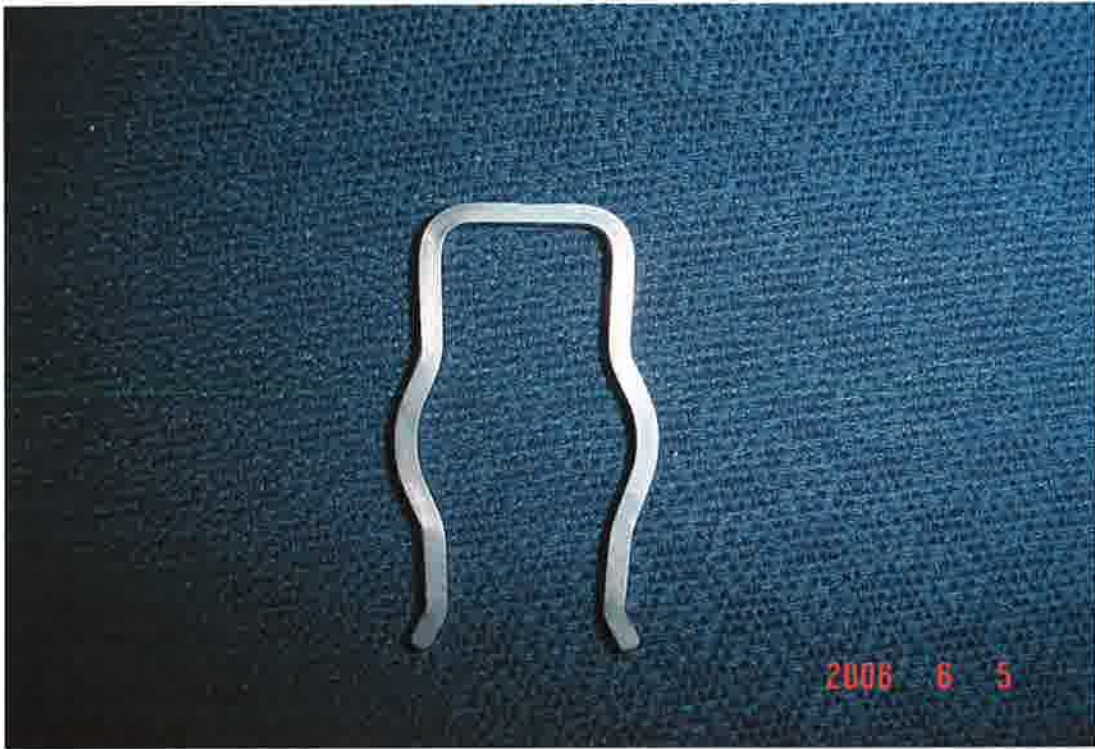


Photo 2 and 3 retaining clip and damper held by the clip