

February 8, 2008

VIA E-MAIL
RECEIPT CONFIRMATION REQUESTED

Mr. Daniel Smith
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
Attn: Recall Management Division (NVS-215)
1200 New Jersey Ave. S.E.
Washington, DC 20590

Re: Eldorado National - California
Defect and Non-Compliance Report

RECEIVED

2008 FEB 15 A 10:35

DEFECTS INVESTIGATION
RECALL MGMT DIV.

08V-073
(12 pages)

Dear Mr. Smith:

Eldorado National - California has been notified by NHTSA that a potential safety defect has been found in certain Cummins ISL and ISC diesel engines. NHTSA has also informed Eldorado National – California that two other bus companies that have used these engines have filed vehicle recalls with them. After investigating this issue internally, Eldorado National – California is in agreement with NHTSA that these engines are defective.

Pursuant to Part 573 of Title 49 of the Code of Federal Regulations, we are hereby notifying the National Highway Traffic Safety Administration that certain buses manufactured by Eldorado National - California were built with Cummins ISL and ISC diesel engines that contain the safety defect.

As more specifically set forth below, Eldorado National – California will be conducting a recall campaign to correct the buses that contain the defective engines.

- A. Recall Population and Vehicle Identification. The defective engines supplied by Cummins have been used on the following buses:

<u>Models</u>	<u>Model Years</u>
AXESS, E-Z Rider II, Transmark RE	2004 2005, 2006, 2007

These buses were manufactured by Eldorado National - California between January 1, 2004 and July 30, 2007.

The total number of buses subject to this recall campaign is 106.

- B. Description of Defect. On Cummins ISL and ISC engines equipped with the CM850 fuel system, the engine high pressure fuel lines from the engine high pressure pump to the engine fuel rail are prone to failure. The fuel line failures have been determined to be caused by prolonged vibration. Failure typically occurs at or under the fuel line fitting attachments. Failure of the fuel line introduces high pressure atomized diesel fuel into the engine compartment. Fuel line pressure is typically between 18,000 and 22,000 psi. The introduction of high

pressure atomized fuel into the engine compartment creates a risk of fire due to possible ignition when the fuel vapor comes in contact with hot surfaces.

- C. Basis for Determining that a Defect Exists. Eldorado National - California received notification from NHTSA on January 31, 2008 that this defect exists.
- D. Remedying of Defect. The owners of the buses subject to this recall campaign will be advised to contact Eldorado National - California in order to make arrangements to have the remedy completed by Eldorado National - California. The remedy consists of the installation of a support bracket for the high pressure fuel lines. Eldorado National - California has agreed to remedy the defect without charge to the owners. Eldorado National - California's phone number is 909-591-9557. 08V-073 (12 pages)
- E. Owner Notifications. A copy of the owner's letter is attached for your review and approval. The letter will be sent within 15 days of your approval.
- F. Quarterly Reporting Requirements. Eldorado National - California will file quarterly reports as required for six consecutive quarters.
- G. Campaign Number. Eldorado National - California does not have an internal campaign number for this recall. Eldorado National - California will use the recall campaign number assigned by NHTSA.

The enclosed information should comply with the NHTSA regulations and satisfy the obligations of Eldorado National - California with respect to this recall campaign. If you need any additional information regarding the participation of Eldorado National - California in this recall campaign, please feel free to contact me at 937-596-6849, Ext. 7363.

Sincerely,



David M. Mihalick
Thor Industries, Standards Compliance Manager

DATE: February, 2008

TO: Owner
Address
City, State Zip Code

Sent via Certified Mail

SUBJECT: NHTSA Recall No. XXX-XXXX

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

REASON FOR THIS RECALL

Eldorado National has decided that a defect that relates to motor vehicle safety exists in certain Axess, E-Z Rider II & Transmark RE rear engine buses produced from January 1, 2004 to July 30, 2007. Specifically, the Cummins ISL and ISC engines equipped with the CM850 fuel system that are installed on these buses contain a safety defect. The engine's high pressure fuel lines from the engine high pressure pump to the engine fuel rail are prone to failure. The fuel line failures have been determined to be caused by prolonged vibration. Failure typically occurs at or under the fuel line fitting attachments. Failure of the fuel line introduces high pressure atomized diesel fuel into the engine compartment. Fuel line pressure is typically between 18,000 and 22,000 psi. The introduction of high pressure atomized fuel into the engine compartment creates a risk of fire due to possible ignition when the fuel vapor comes in contact with hot surfaces.

WHAT WE WILL DO

Eldorado National will have your local Cummins dealer install a support bracket on the high pressure fuel lines in your buses at no charge to you. Cummins has Field campaign C0610 in place to handle this repair.

WHAT YOU SHOULD DO

For specific information or assistance with this recall, contact your local Cummins dealer (refer to Cummins campaign code C0610) or contact Tony Wayne of Eldorado National at 909-591-9557 immediately to have your bus scheduled for this repair. If you no longer own this vehicle, please inform us of that when you call.

This recall is being conducted and tracked by Eldorado National. All parts and labor required to accomplish this repair will be done in accordance with Cummins Campaign Instruction C0610. In certain instances, the repair cost will be covered by Cummins warranty. If your engine is out of the Cummins warranty period, please contact Eldorado National to arrange payment of this repair. All work done to perform this recall will be done at no expense to the vehicle owner.

Once you have had this recall completed please fill out the attached sheet for each bus repaired and return it to:

Attention: Tony Wayne
Eldorado National – NHTSA Recall Report
9670 Galena Street
Riverside, CA 92509
Or
e-mail to: twayne@eldorado-ca.com

After contacting Eldorado National, and you are still having trouble getting your vehicle remedied or that there has been an unreasonable delay in securing repairs, you may submit a complaint to: Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Ave. S.E., Washington, DC 20590 or call the Vehicle Safety Hotline toll free at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

Federal Regulations require any lessor receiving this letter to forward it to the lessee within 10 days.

If you have any questions concerning this recall campaign or need assistance concerning the scheduling of the remedy, please contact Tony Wayne of Eldorado National at 909-591-9557. We are sorry to cause this inconvenience; however, we have taken this action in the interest of your safety and the continued satisfaction with our buses.

Sincerely,

Tony Wayne
President
Eldorado National – California, Inc.

NHTSA SAFETY RECALL #

TRANSPORT CANADA RECALL #

CUMMINS FIELD CAMPAIGN

SUBJECT

ISL / ISC CM850 FUEL LINE BRACKET

Attention

U.S./Canada Distributors/Branch and
Division/Regional Offices
U.S./Canada Warranty Dealers

Description

This Campaign is to address a fuel line issue on ISC/ISL engines. This campaign authorizes the field to install a fuel line bracket on ISC/ISL CM850 engines in the identified population. (See attached ESN list on attachment A).

Campaign Number Revision Level Date Group Number

C0610 j 11-JAN-2008

Expiration Date (U.S. and Canada) Expiration Date (International)

28-FEB-2009 28-FEB-2009

Action

In order to qualify for repair under this Campaign, an engine:

1. **must** be within new engine warranty or CAP coverage, AND
2. **must** be an ISC with CM850 or ISL with CM850 engine, AND
3. **must** be identified in the ESN listing found in Attachment A or Attachment B, AND
4. data plate **must not** be stamped 0610.

After verifying the engine meets the qualifying criteria, use the following instructions to upfit the engine with bracket, Part Number 4937500. A new fuel line **must** be installed when installing the bracket.

1. Remove the high pressure fuel line between the injection pump and high pressure common rail.
2. Remove the 2 capscrews on top of the intake manifold cover plates that allow the bracket isolators to be in a position to clamp the fuel line.
3. Install a new fuel line and the bracket included with Kit PN 4955367. Refer to the Troubleshooting and Repair Manual, ISC and ISL Engines, Bulletin 4021418. Initially install the 2 bracket mounting capscrews only finger-tight.

4. Route the fuel line between the bracket isolators, installing the bracket isolator capscrew finger-tight.
5. Torque the fuel line according to procedure 006-051 as described in Bulletin 4021418
6. Tighten the bracket screws to the intake manifold cover plate to 24N*m (18 lb*ft), and tighten the isolator bracket screw to 9N*m (7 lb*ft).
7. Ensure all torque specification have been met during the installation.
8. Start the engine and check for leaks.
9. Stamp the engine data plate 0610 to show completion of this Campaign.
10. File a claim with parts and labor for the repair.

Material Disposition

Materials removed **must** be scrapped.

Reimbursements

Parts

Part Number	Quantity	Description
4955367*	1	KT, LNE
3964144**	1	Fuel Tube
4942991***	1	Assembly
4942990****	1	BRACE,TUBE
3944717****	1	SCREW,CAPTIVE WASHER CA
3991277****	1	BRACE,TUBE
4069891****	1	ISOLATOR,VIBRATION
4070055****	1	ISOLATOR,VIBRATION

* For all applications other than Nova Bus Applications use part number 4955367 (Kit)

** Use part number 3964144 for Nova Bus Applications only.

*** Use part number 4942991 for Nova Bus Applications only.

**** Use only if part number 4942991 is not available.

SRTs to gain access that are required to complete the repair, that are sufficiently explained in the claim narrative, may also be claimed on this Campaign.

SRT Code	Description	Time (hrs)
00-90x	Applicable Administrative Time	
99-999	Install Bracket	0.3
06-166	Fuel tube, Fuel Pump To Rail — Remove and Install	
17-901	Stamp Engine Data Tag	

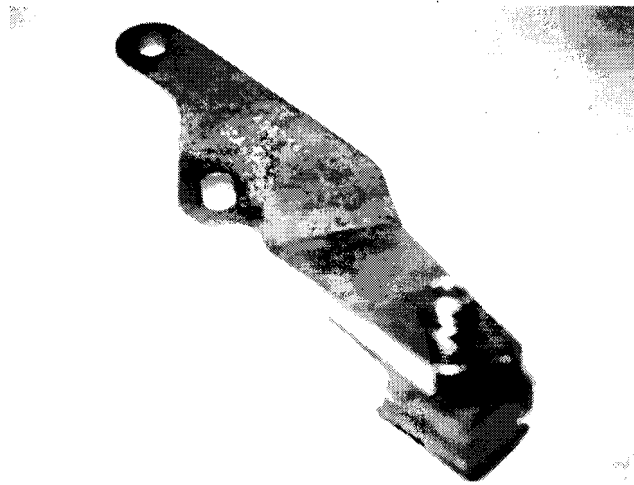
Travel

Travel is covered under this Campaign, however, towing is **not** covered.

Other Claimables

Consumables are **not** covered under this repair.

Upfit this bracket on the high pressure fuel line that supplies the rail with fuel from the high-pressure pump on C- and L-Series engines equipped with the CM850 Fuel System.



Bracket Kit Part # 4937500

A new fuel line must be installed when installing the bracket.

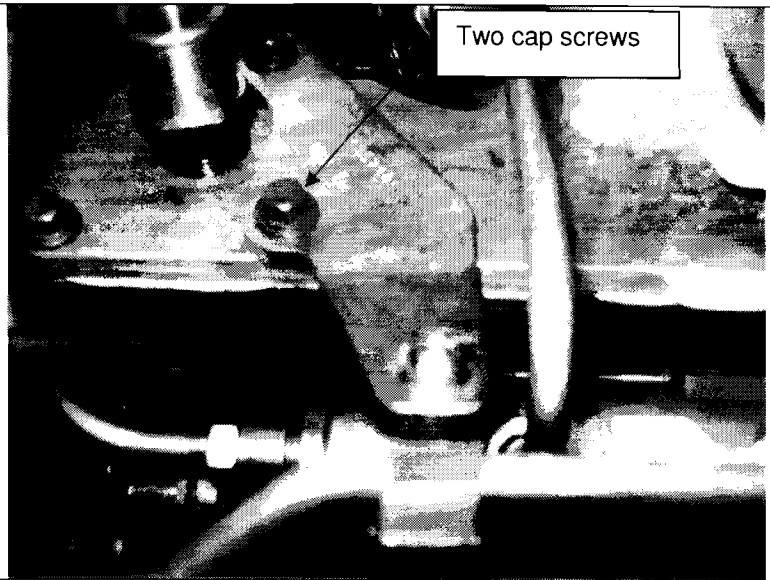
Installation Instructions

Remove the current high pressure fuel line	
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Remove the two (2) cap screws on the top of the intake manifold cover plate.

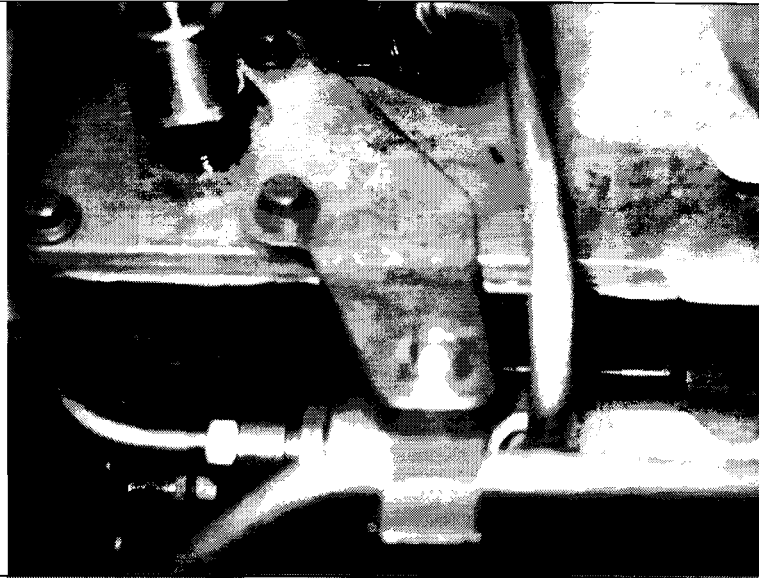
Install the bracket over the two (2) cap screw holes.

Initially, install the two capscrews finger tight.



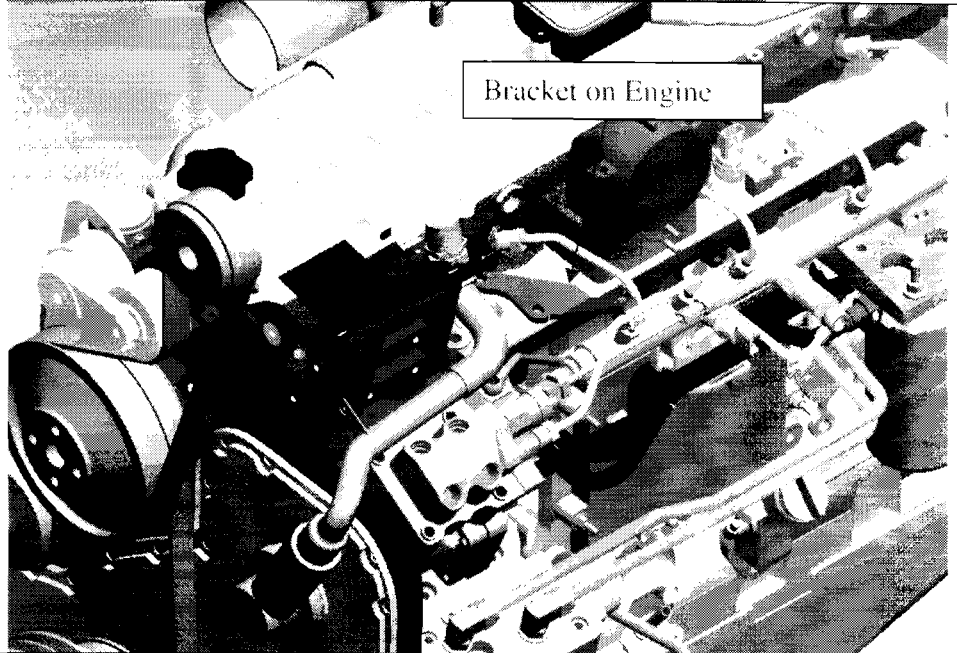
Install the fuel line finger tight between the bracket isolators.

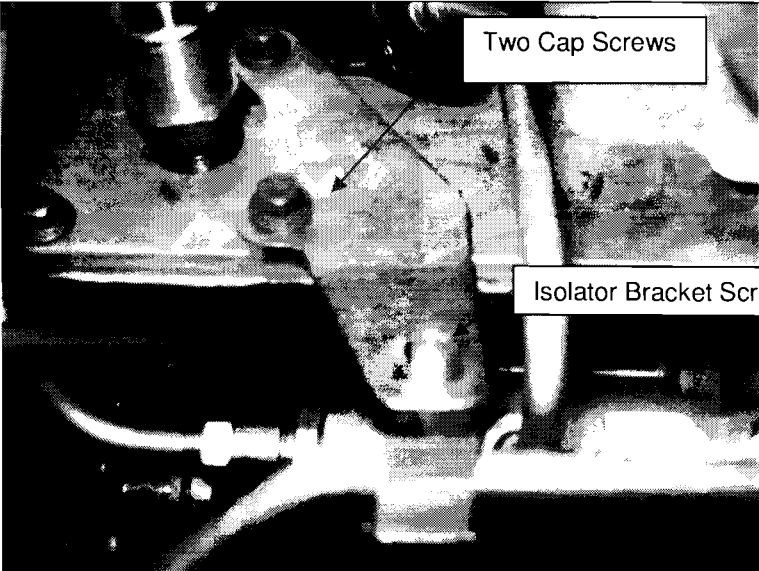
Then, install the bracket isolator capscrew finger tight.



Torque the fuel line.

Refer to Injector Supply Lines (High Pressure) Procedure 006-051 in the Troubleshooting and Repair Manual ISC, ISCe, QSC8.3, ISL and QSL9 Engines Manual Bulleting 4021418.



Tighten the bracket screws to the intake manifold cover plate. Torque Value: 24Nm [18 ft-lb]	
Tighten the isolator bracket screw. Torque Value: 9Nm [7 ft-lb]	
Start the engine and check for leaks.	

Stamp the data plate 0610 showing completion of this campaign.

ATTACHMENT A
ELDORADO NATIONAL - RIVERSIDE / ENGINE SERIAL
NUMBER LISTING)

46379338	ISL 280
46379733	ISL 280
46379736	ISL 280
46386745	ISL 280
46386906	ISL 280
46388017	ISL 280
46388204	ISL 280
46388440	ISL 280
46389816	ISL 250
46389819	ISL 250
46390032	ISL 250
46390052	ISL 250
46390066	ISL 250
46390098	ISL 250
46390108	ISL 250
46390646	ISL 250
46390822	ISL 250
46397236	ISL 280
46397756	ISL 280
46398445	ISL 280
46398461	ISL 280
46398473	ISL 280
46401554	ISL 250
46407369	ISL 280
46407585	ISL 280
46407594	ISL 280
46407706	ISL 280
46407960	ISL 280
46408119	ISL 280
46408161	ISL 280
46408259	ISL 280
46408306	ISL 280
46408318	ISL 280
46414875	ISL250
46414896	ISL 280
46414974	ISL250
46414988	ISL 280
46415024	ISL250
46415138	ISL250
46415684	ISL 280
46417123	ISL 280
46417125	ISL250
46417127	ISL250
46417130	ISL250

46417132	ISL250
46417134	ISL250
46417952	ISL 280
46417957	ISL 280
46417961	ISL 280
46417965	ISL 280
46417999	ISL 280
46421559	ISL 280
46421565	ISL 280
46421571	ISL 280
46421574	ISL 280
46421693	ISL 280
46421721	ISL 280
46421732	ISL 280
46425485	ISL 280
46432222	ISL03 250T
46432229	ISL03 250T
46432232	ISL03 250T
46432280	ISL03 250T
46434032	ISL03 250T
46481486	ISL05 250 B&T
46482294	ISL05 250 B&T
46482335	ISL05 250 B&T
46482726	ISL05 250 B&T
46497192	ISL05 250 B&T
46498251	ISL05 250 B&T
46508131	ISL05 250 B&T
46516313	ISL05 280T
46536029	ISL05 250 B&T
46538219	ISL05 250 B&T
46565524	ISL05 250 B&T
46565899	ISL05 280T DPF
46566258	ISL05 280T DPF
46566296	ISL05 280T DPF
46566404	ISL05 280T DPF
46567184	ISL05 250 B&T
46576972	ISL05 250 B&T
46578515	ISL05 250 B&T
46588220	ISL05 250 B&T
46588273	ISL05 250 B&T
46594483	ISL05 250 B&T
46596435	ISL05 250 B&T
46596635	ISL05 250 B&T
46596655	ISL05 250 B&T
46596659	ISL05 250 B&T
46596679	ISL05 250 B&T
46596698	ISL05 250 B&T
46596699	ISL05 250 B&T

46666809	ISL05 280 B&T
46670768	ISL05 280T B&T
46670780	ISL05 280T B&T
46683451	ISL05 280T B&T
46684157	ISL05 280T B&T
46684354	ISL05 280T B&T
46684379	ISL05 280T B&T
46348758	ISL03 250T
46349310	ISL03 250T
46349495	ISL03 250T
46359565	ISL03 250 T
46359571	ISL03 250 T
46359577	ISL03 250 T
46359583	ISL03 250 T
46366621	ISL03 250 T