



VEHICLE RECALL

**G-02503
April 2002**

**SUBJECT: VEHICLE RECALL (U.S., EXPORT)
 Starter Solenoid Adapter Stud for the Positive
 Battery Cable Connection on 4200, 4300 and 4400
 Models Built From 12/17/2001 through 1/03/2002
 With Starter Codes 08WWN or 08WWP.**

DEFECT DESCRIPTION

These starters have a defective terminal adapter stud. The adapter stud is used only at the positive battery connection to the starter solenoid. It was designed to be screwed on over the existing stud to increase the stud diameter to accommodate the larger size of the positive battery cable terminal. The adapter stud was weakened when the hole was drilled too deep. The hole was drilled completely through the depth of the nut section and into the stud diameter thus reducing the stud strength.

RISK TO MOTOR VEHICLE SAFETY

On vehicles, there is commonly no circuit protection in the battery cable from the batteries to the starter. The integrity of the adapter stud is questionable and the concern is that it will fail at some point in the future and lead to a direct electrical short to the batteries. If the stud breaks off, the positive battery cable could short directly to ground. A direct short to the batteries can generate heat and sparks which could cause a fire, or lead to a vehicular accident, possibly resulting in property damage, personal injury or death.

DESCRIPTION OF VEHICLES INVOLVED

Only some of the 4200, 4300 and 4400 models built from 12/17/2001 through 1/3/2002 at the Springfield Assembly Plant with Leece-Neville starter codes 08WWN or 08WWP are involved.

OWNER NOTIFICATION

International Truck and Engine Corporation will notify owners of these vehicles about this campaign. A copy of the owner letter is attached. During the recall process, a listing of owner names and addresses will be furnished to the involved dealers to enable dealers to follow up with owners and have the vehicles corrected. You must limit the use of this listing to this campaign, because the list may contain information

obtained from state motor vehicle registration records and the use of such motor vehicle registration data for purposes other than this campaign is a violation of law in several states.

SERVICE PROCEDURE

DESCRIPTION: The positive adapter stud on the starter solenoid must be replaced on all vehicles in this recall. There is no inspection option.

Before performing the service, please read and understand the following instructions completely.

WARNING: To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service.

1. **WARNING:** Block the wheels to prevent the vehicle from moving. If a vehicle moves unexpectedly or suddenly, the result could be serious personal injury or death.
2. **WARNING:** If the vehicle must be raised, do not work under a vehicle supported only by jacks. Jacks can slip or fall over potentially resulting in serious personal injury or death.
3. Shut off the engine and apply the parking brake.
4. Disconnect the batteries.
5. Remove the nut on the positive terminal of the starter solenoid and remove all wire/cable terminals from the stud.
6. Remove the adapter stud from the starter solenoid stud.
7. Install the new adapter stud and torque to 14 **Lbf-Ft** (19 NM).
8. Reinstall all wire/cable terminals over the new adapter stud making sure no terminals, wires or cables are contacting any potential ground surfaces.
9. Install the stud nut and torque to 15 **Lbf-Ft** (20 NM).
10. Reconnect the batteries.
11. Destroy and discard the removed stud locally.

PART INFORMATION

We have attached a VIN list at the end of this letter so dealers can look for their account number and see if they have VINS involved. Before ordering parts, reference the attached VIN list then order one adapter stud for each vehicle that you will be repairing in this campaign **(2508990C1)**. The attached VIN list is complete, it contains all vehicles marked for this campaign in the US or Canada.

RETURNING PARTS: DO NOT return parts.
Be sure to destroy all removed parts locally.

LABOR INFORMATION

NOTE: There is only one labor operation required for this recall. All vehicles must be inspected to see if the cotter pin was installed.

<u>Operation No.</u>	<u>Description</u>	<u>Time</u>
A40-02503-1	R & R Adapter Stud	0.5 Hrs.

CAMPAIGN IDENTIFICATION LABEL

Each vehicle corrected in accordance with this campaign **MUST BE** marked with a CTS-1075 campaign Identification Label.

Complete the label and attach on a clean surface next to the vehicle identification number (VIN) plate.



ADMINISTRATIVE/DEALER RESPONSIBILITIES (U.S. & POSSESSIONS)

Proceed immediately to make necessary correction to units in inventory. **All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery.** If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or the customer must be notified **IMMEDIATELY** from your dealer location.

Dealers must correct all vehicles subject to this campaign at no charge to the owner, regardless of mileage, age of vehicle, or ownership, from this time forward.

The National Traffic and Motor Vehicle Safety Act, as amended, provides that each vehicle that is subject to a vehicle recall campaign must be adequately **repaired** within a reasonable time after the owner has tendered it for repair. A failure to adequately repair within **60 days** after a tender of a vehicle is prima facie evidence of failure to repair within a reasonable time. If the condition is not adequately repaired within 60 days, the owner may be entitled to **replacement** with an identical or reasonable equivalent vehicle at no charge, or to a **refund** of the purchase price less a reasonable allowance for depreciation.

However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

To avoid having to replace a vehicle or refund the purchase price less a reasonable allowance for depreciation, every effort must be made to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible.

WARRANTY CLAIMS

Special Note: All claims for this campaign must be submitted as “Inspected and Repaired” with a disposition of 2 (cause number of 2 below). There is no inspection option because all vehicles must have the starter adapter stud replaced.

Refer to Dealer Warranty Manual for procedures to conduct Recall Campaigns.

It is important that the Recall 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:

GROUP	NOUN	C	WARR.	TP	PAD
GROUP: Enter The Recall Number	NOUN: Leave Blank.	C: (CAUSE) Enter number 2.	WARRANTY: (Warranty Code) Enter 40.	TYPE PART: Enter P for type part causing failure.	PAD: Enter 100.
		2. Inspected and repaired.			

ADMINISTRATIVE/DISTRIBUTOR RESPONSIBILITY (EXPORT)

Proceed immediately to make necessary correction to units in inventory. All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery. If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or the customer must be notified from your distributor location.

Export locations are to submit warranty claims in the usual manner making reference to this recall number.

We ask for your full cooperation and follow-up to this important subject matter. If you have any questions or need further assistance, please contact your Regional Service Manager.

INTERNATIONAL TRUCK AND ENGINE CORPORATION

ACTNUM	VIN2	218453	2H545078	617696	2H543923	655662	2H542443
000114	2H543961		2H545079		2H543924		2H542444
000115	2H543829		2H545080	619403	2H543985		2H542446
	2H544856		2H545081	624957	2H545445		2H542450
	2H546013		2H545082		2H545446		2H543455
000132	2H505310	220475	2H544784	633065	2H515984		2H543722
	2H505311	231837	2H544003		2H516200		2H543931
	2H505312	233304	2H542655		2H516201		2H543955
	2H505313	245290	2H543953		2H516202		2H543956
	2H505314		2H543954		2H541052		2H543957
	2H538253	245886	2H545009		2H542341		2H543958
	2H538254		2H545010		2H545796		2H543959
	2H538263		2H545011		2H545996		2H543960
	2H538357		2H545012		3H516206		2H543963
	2H538358		2H545013	637926	2H542701		2H543964
	2H538359		2H545014		2H542702		2H543965
	2H538360		2H545015		2H542703		2H544004
	2H538705		2H545016		2H542704		2H544788
	2H538706		2H545017		2H542705		2H544891
	2H538707		2H545018		2H542706		2H545215
	2H538831	246140	2H544663		2H542707		2H545227
000155	2H545220		2H544664		2H542708		2H545261
000370	2H543734	257147	2H543919		2H542709		2H545447
	2H543806		2H543920		2H542710		2H545448
	2H545084		2H544833		2H542711		2H545942
	2H545910		2H544834		2H542712		2H545957
000531	2H545788		2H544835		2H542713	656686	2H543909
000649	2H541028		2H544836		2H542714		3H519742
000723	2H526015		2H544837		2H542715	660597	2H540653
	3H526290		2H544838		2H542716		2H540654
207357	2H532328		2H544839		2H543941		2H540655
212407	2H544860		2H544840	639260	2H539830		2H543932
	2H544861		2H544841		2H539831		3H519760
	2H544862		2H544842		2H545457	660613	2H545207
	2H544954		2H544843	644385	2H544809	660936	2H540942
	2H544955		2H544844	647420	2H543499		2H543724
215087	2H544863		2H545063	649582	2H543721		2H543819
	2H544864		2H545403		2H545922		3H520400
218370	2H543858		2H545404		2H545923		3H520401
218438	2H544956		2H545405		2H545924		3H520402
218453	2H413196		2H545406	651828	3H520237	666834	2H545765
	2H544783		2H545407		3H520238	667006	2H542719
	2H545069		2H545408	651844	2H545362	667949	2H543611
	2H545070		2H545409	653360	2H543972		2H543612
	2H545071	259119	2H542213		2H545905		2H543989
	2H545072		2H544997		2H545925	669044	2H545799
	2H545073		2H544998	654327	2H545435		2H545800
	2H545074	262477	2H542312		3H519954		2H545801
More	2H545075	292714	2H544890		3H519956		2H545802
Next	2H545076	617696	2H543921	655662	2H509786	669275	2H546000
Column	2H545077	Continue	2H543922	Continue	2H509790		

		720193	2H545238	Next	2H545420		2H543762
669432	2H543738	722009	2H544948	Column	2H545421		2H545908
	2H543739	722017	2H541905	777524	2H545422	794834	2H543977
	2H543740	722389	2H542043		2H545423	794834	2H543978
	2H543741	727123	2H543951	778944	2H534064		2H543979
	2H543742		2H543995		2H538762		2H543980
	2H545228	728030	2H540722		2H538763		2H543981
670463	2H543933		2H540723		2H538764	796078	2H544701
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675082	2H545085		2H545239		2H539926		2H543939
	2H543240		2H545240		2H539927	803221	2H542056
689158	2H543973	735175	2H529232		2H539928		2H543982
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689661	2H541125	737460	2H545411		2H545621	822577	3H521263
	2H541126	737569	2H538187	784249	2H540448	823229	2H541084
	2H541127		2H538298		2H540452	823922	2H545790
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	2H541131	744102	2H545809		2H545007		3H520038
	2H541132	745737	2H543974		2H545931	830422	2H541729
	2H541133	750240	2H545481	785360	2H543752		2H545806
	2H541134		2H545907	785816	2H526291	834184	2H545243
	2H541135	750315	2H545004		2H538608	839910	2H544854
	2H541136	752451	2H545451		2H543970	842898	2H544027
	2H541137	753772	2H545241		2H544000	843292	2H543940
	2H541138	754010	2H544849		2H544671	843631	2H544028
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	2H541141		2H545810		2H544675		3H519651
	2H541142	759928	2H536314		2H544676		3H519652
	2H545619	764597	2H519577		2H544677	844563	2H543376
692061	3H520263		2H519578		2H544678		2H545244
707752	2H541897	768630	2H543913		2H544679		2H545245
	2H541898		2H545296		2H544680		2H545246
	2H545803	770073	2H544826		2H544681		3H519785
710616	2H543500		2H545297		2H544682	844597	2H545247
	2H543992	771220	2H544013		2H544683		2H545932
711937	2H543743	772541	2H543935		2H544684	846519	2H545248
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	2H543993	772673	2H545458		2H545771		2H545252
	2H545620	773283	2H543936		2H545772		2H545253
	2H545808		3H521104	788505	2H544853		2H545254
712950	2H543934	774695	2H543820	789669	2H543756		2H545255
713917	2H543948		3H520246		2H543757		2H545256
	2H543949	776922	2H545927		2H543758		2H545257
	2H543950		2H545928		2H543759		2H545258
	2H545914	777524	2H545418		2H543760	850925	2H545909
	2H545915	Continue	2H545419		2H543761		