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Compliance Dept.

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SERVICE PROCEDURE

18511

July, 2018

SUBJECT: SAFETY RECALL

Air Compressor Discharge Line on certain International® HX® and International® LT® series trucks built 24 May 2017 thru 21 April 2018 with Cummins® ISX engines and feature code 0004SPJ (Wabco 37.4 air compressor)

DEFECT DESCRIPTION

The air compressor discharge line may contact the fuel lines to the fuel filter resulting in heat damage to the fuel lines. Heat damage to the fuel lines could cause the lines to rupture resulting in a fuel leak. A fuel leak may cause a vehicle fire resulting in property damage or personal injury.

MODELS INVOLVED

This safety recall involves certain International® HX® and International® LT® series trucks built 24 May 2017 thru 21 April 2018 with Cummins® ISX engines and feature code 0004SPJ (Wabco 37.4 air compressor).

ELIGIBILITY

This procedure applies ONLY to vehicles marked in the International® Service PortalSM with safety recall 18511. Also complete any other open campaigns listed on the Service Recall at this time.

NOTE: This repair includes replacement of the fuel lines to the engine mounted fuel filter. Only an authorized Cummins dealer shall perform the fuel line replacement.

PARTS INFORMATION

NOTE: The scope of this campaign is very narrow, in that it affects only 19 vehicles. Vehicle owners have been asked to call their dealers to make an appointment prior to coming in for this repair. In order to properly manage the inventory available to complete this repair on all vehicles, DO NOT pre-order repair parts for inventory and only order parts when customer repair

request is confirmed. This will allow parts to be available for each dealer when a customer requests the repair.

Part Number	Part Description	Quantity
4093648C2	TUBE, AIR COMPRESSOR	1
4045734C1	ELBOW, 45 SWIVEL, M27 X ¾ IN TUBE	1
76262H	NUT, ¾ IN TUBE	2
76263H	SLEEVE, COMPRESSION FITTING ¾ IN	2
3691462	FUEL SUPPLY TUBE – Order from Cummins	1
3691470	FUEL SUPPLY TUBE – Order from Cummins	1

SERVICE PROCEDURE

GOVERNMENT REGULATION: Engine fluid (oil, fuel, and coolant) may be a hazard to human health and the environment. Handle all fluid and other contaminated materials (such as filters and rags) in accordance with applicable regulations. Recycle or dispose of engine fluids, filters, and other contaminated materials according to applicable regulations.

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on hard flat surface, turn the engine off, set the parking brake and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

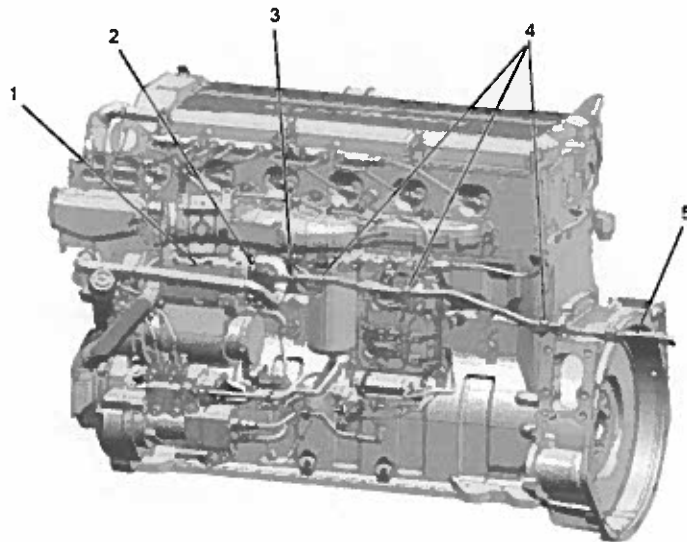
WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent property damage, personal injury, and / or death, allow engine / vehicle components to cool before servicing.

WARNING! To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

1. Park vehicle on flat surface.
2. Shift transmission to Park or Neutral and set parking brake.
3. Turn vehicle to Key OFF position.
4. Install wheel chocks.
5. Unlatch and open hood.



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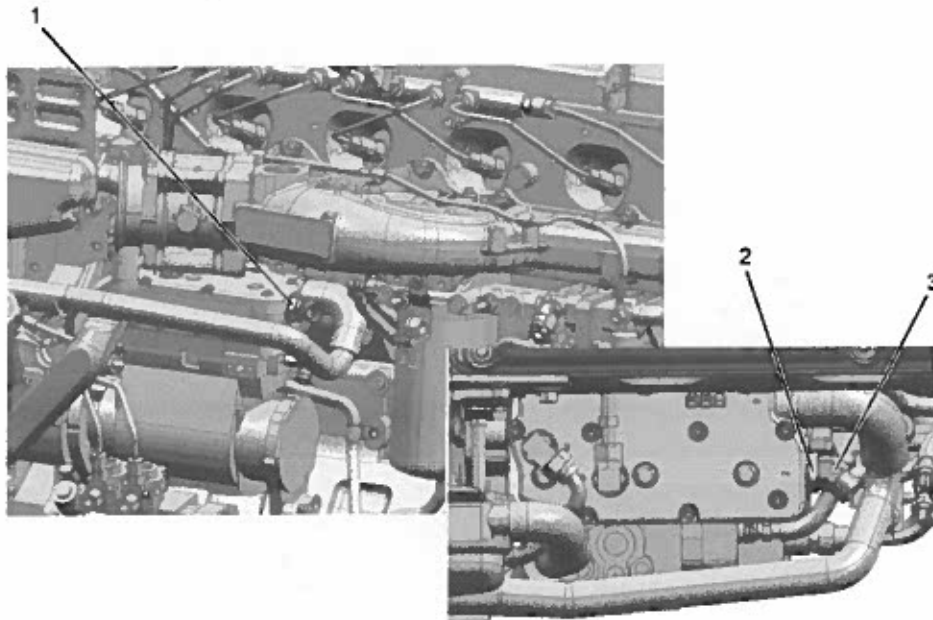
Figure 1. Remove Straight Fitting and Air Compressor Discharge Tube

1. Air compressor
2. Straight fitting
3. Air compressor discharge tube
4. Tube clamp (3)
5. B-hose

NOTE: Save tube clamps for reuse.

6. Remove tube clamps (Figure 1, Item 4) securing air compressor discharge tube to engine (Figure 1, Item 3).

7. Disconnect air compressor discharge tube (Figure 1, Item 3) from straight fitting (Figure 1, Item 2).
8. Disconnect and remove air compressor discharge tube (Figure 1, Item 3) from B-hose (Figure 1, Item 5).
9. Remove and discard straight fitting (Figure 1, Item 2) from air compressor (Figure 1, Item 1).
10. Replace both fuel filter lines at the Cummins Filter Housing; refer to Cummins Service Information for detailed instructions.



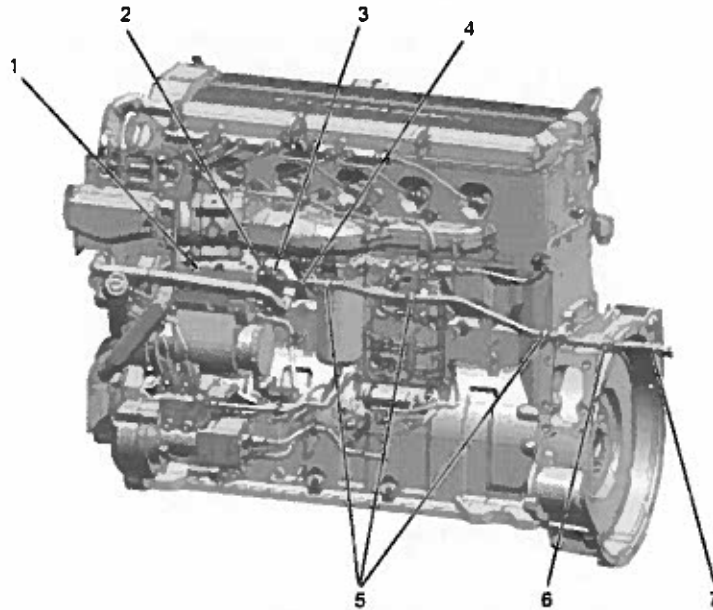
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Figure 2. Install 45-Degree Fitting

1. 45-degree fitting (side view)
 2. Air compressor discharge port
 3. 45-degree fitting (top view)
11. Install 45-degree fitting (Figure 2, Items 1 and 3) into discharge port of air compressor (Figure 2, Item 2). Orientation of 45-degree fitting must match outboard facing orientation shown in top view (Figure 2, Item 3). Tighten retaining nut to 33-37 lb-ft (45-50 N•m).

NOTE: Install swivel nuts and sleeves onto replacement air compressor tube before placing tube into engine compartment.

12. Install one swivel nut and one sleeve onto each end of replacement air compressor discharge tube.



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Figure 3. Install Air Compressor Discharge Tube

1. Air compressor
2. 45-degree fitting
3. Swivel nut
4. Air compressor discharge tube
5. Tube clamp (3)
6. Swivel nut
7. B-hose

NOTE: Do NOT tighten swivel nut in Step 13.

13. Position air compressor discharge tube (Figure 3, Item 4) and loosely install swivel nut (Figure 3, Item 3) to 45-degree fitting (Figure 3, Item 2).

NOTE: After tube clamps are installed, (if necessary) gently rotate air compressor discharge tube (Figure 3, Item 4) so that it fits into place. Do not bend tube.

14. Install and securely tighten tube clamps (Figure 3, Item 5).
15. Tighten swivel nut (Figure 3, Item 3) to 38-43 lb-ft (52 - 58 N•m).
16. Connect B-hose (Figure 3, Item 7) to air compressor discharge tube (Figure 3, Item 4) and tighten swivel nut (Figure 3, Item 6) to 38-43 lb-ft (52 – 58 N•m).
17. Start engine.
18. Deplete air in system to engage air compressor and inspect for air leaks.
19. Turn vehicle to Key OFF position.
20. Close and latch hood.
21. Remove wheel chocks.

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-18511-1	Replace Air Compressor Line and Fitting	2.3 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.

DO NOT REMOVE

INTERNATIONAL

Campaign No. _____

VIN _____

Eng.# _____

COMPLETED

Service Location Code # _____

DO NOT REMOVE

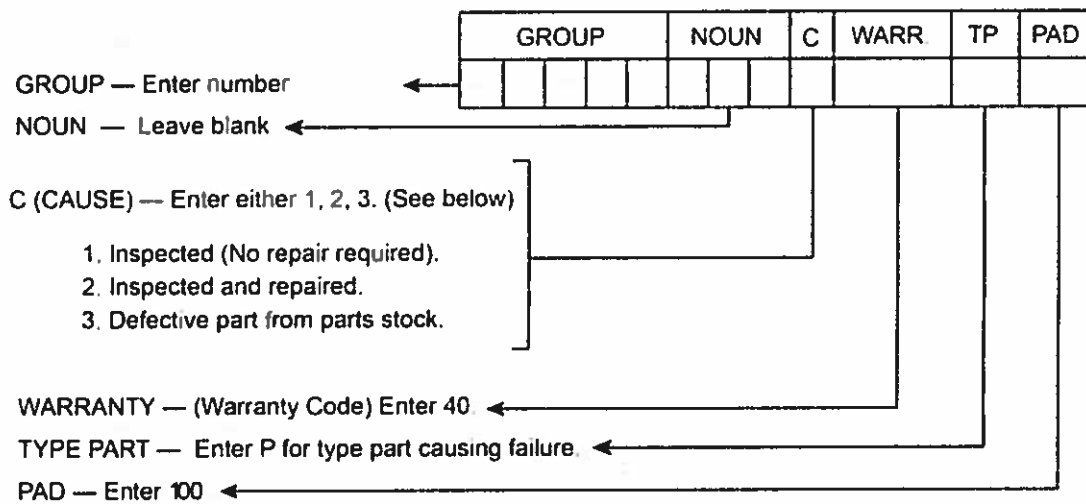
ADMINISTRATIVE / DEALER RESPONSIBILITIES

WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Safety Recall 18511.

Section 7 of the Warranty Policy and Procedures Manual contains further information related to the submission and processing of AFC / Recall claims.

As with all claim submissions, items acquired locally must be submitted in the "Other Charges" tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.



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UNITED STATES AND POSSESSIONS

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.

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.

Dealers should 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 customer must be notified immediately from your dealer location.

Dealers must make every effort to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible. However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

Dealers involved in the recall process will be furnished a listing of owner names and addresses to enable them to follow up with owners and have the vehicles corrected. Use of this listing must be limited 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.

CANADA

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.

Dealers should 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 customer must be notified immediately from your dealer location.

Dealers must make every effort to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible. However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

Dealers involved in the recall process will be furnished a listing of owner names and addresses to enable them to follow up with owners and have the vehicles corrected. Use of this listing must be limited 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.

EXPORT

Export Distributors should 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 customer must be notified immediately from your distributor location.

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

Export Distributors are expected to provide full cooperation and follow-up with respect to this important subject matter. If you have any questions or need further assistance, please contact the Regional Service Manager at your regional office.

NAVISTAR, INC.

