

Authorized Field Change



AFC 14905R1

Date: October 2014

Subject File: Engine

Subject: Lower Radiator Hose Rub.

Model: DuraStar® Truck and CE Bus

Start Date: 10 February 2014 End Date: 26 August 2014

Engine Family: ISB

DESCRIPTION


Certain DuraStar® vehicles and CE buses built between 10 February and 26 August 2014 with ISB engines, may experience a rub condition with the fan shroud on the one piece lower radiator hose. This procedure provides the steps necessary to inspect for potential interference and correct if this condition exists.


PARTS INFORMATION


Table 1. **Parts Information**

Part Number	Description	Quantity
795529C1	Z-Bracket	2
25483R1	Bolt, Hex Hd 1/4 in x 1 in	2
120380	Lockwasher 1/4 in	2
25519R1	Nut, Hex 1/4 in	2
4041910C1	Hose, Lower Radiator (As Needed, Most Vehicles Will Not Need Hose Replaced)	1

SERVICE PROCEDURE

 **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 both directions.

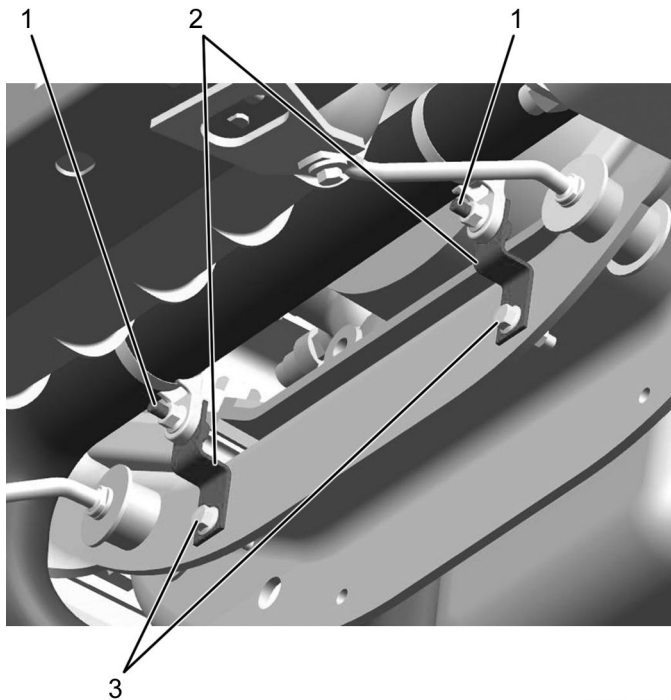
 **WARNING:** To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

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

INSPECTION

1. Bring vehicle into shop and park on flat surface.
2. Shift transmission to Park or Neutral, set parking brake, and install wheel chocks.
3. Unlatch and open hood.
4. Inspect lower radiator hose for leaks and damage.
 - If radiator hose is damaged or leaking, replace lower radiator hose. Refer to appropriate Service Manual. Perform Z-Bracket Replacement below.

Z-BRACKET REPLACEMENT



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Figure 1. Z-Bracket Replacement.

1. Bolt, lockwasher, and nut (2)
 2. Z-bracket (2)
 3. Bolt and nut (2)
1. Remove two nuts, bolts, lockwashers (Figure 1, Item 1), and hose clamps from Z-brackets (Figure 1, Item 2).
 2. Remove two nuts, bolts (Figure 1, Item 3), and Z-brackets (Figure 1, Item 2) from vehicle. Discard Z-brackets.
 3. Install two new Z-brackets (Figure 1, Item 2) on vehicle with two bolts and nuts (Figure 1, Item 3).
 4. Install two hose clamps onto two Z-brackets (Figure 1, Item 2) with two new lockwashers, bolts, and nuts (Figure 1, Item 1).
 5. Verify clearance between lower radiator hose, fan shroud, shackle, and washer is a minimum of 1/4 inch.
 6. Close and latch hood.
 7. Remove wheel chocks.

LABOR INFORMATION

Operation number must appear on all claims.

Table 2. Labor Information

Operation No.	Description	Time
A40-14905-1	Inspect Radiator Hose and Replace Z-Brackets	0.4 hr
A40-14905-2	Replace Lower Radiator Hose (As Needed, Most Vehicles Will Not Need Hose Replaced)	0.5 hr

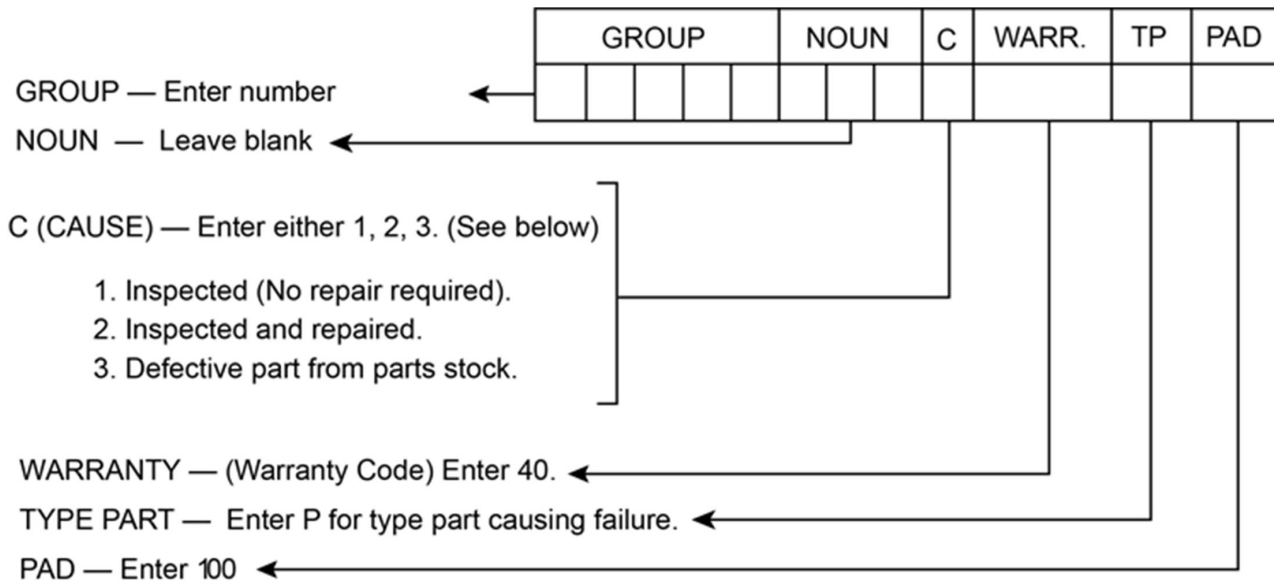
ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number 14905.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Policy Manual, Section 7.1.8.

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.

To ensure this important improvement is made in a timely manner, all claims for 14905 activity must be submitted by 13 October 2015 or within the normal warranty period for the vehicle, if after 13 October 2015.



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