

# Authorized Field Change

AFC G-05903 Revised

This AFC replaces 05903

**Date:** August, 2005

**Subject File:** ENGINE

**Subject:** 5000i and 9000i Models with Cummins ISX Engines Built at the Chatham and Garland Assembly Plants Between November 6, 2002 and April 1, 2004 and 9000i Models Built at the Escobedo Assembly Plant Between November 6, 2002 and October 18, 2004 Require Replacing the Fan Hub Mounting Fasteners and Tighten to New Specification

Model: 5000i

Start Date: 11/06/2002 End Date: 04/01/2004

Model: 9000i

Start Date: 11/06/2002 End Date: 10/18/2004

## DESCRIPTION

Print ready (PDF file) copy of the AFC letter

The vendor recommended torque specification is not adequate for the fan hub mounting bolts. It is possible the fan hub mounting bolts may loosen resulting in fan and radiator damage.

## PARTS INFORMATION

Table 1

| Model                   | Hub Type    | Part Number           | Description  | Quantity |
|-------------------------|-------------|-----------------------|--|----------|
| All 5000i<br>All 9000i  | Horton      | 8000859R91            | Kit Contains:<br>M12 X 35 Flange Head Hex Bolt (2)<br>M12 x 50 Flange Head Hex Bolt (2)  | 1        |
| All 5000i<br>9900i Only | Borg Warner | 8000860R91            | Kit Contains:<br>M12 X 50 Flange Head Hex Bolt (3)<br>M12 X 120 Flange Head Hex Bolt (1) | 1        |
| 9200i<br>9400i          | Borg Warner | (See Note)<br>30748R2 | M12 X 50 Flange Head Hex Bolt  | 4        |

**NOTE – Part number 30748R2, in the Table above, is a bolt used in 9200i and 9400i Models with Borg Warner fan hubs. When ordering this part number, a minimum of 14 bolts must be ordered.**

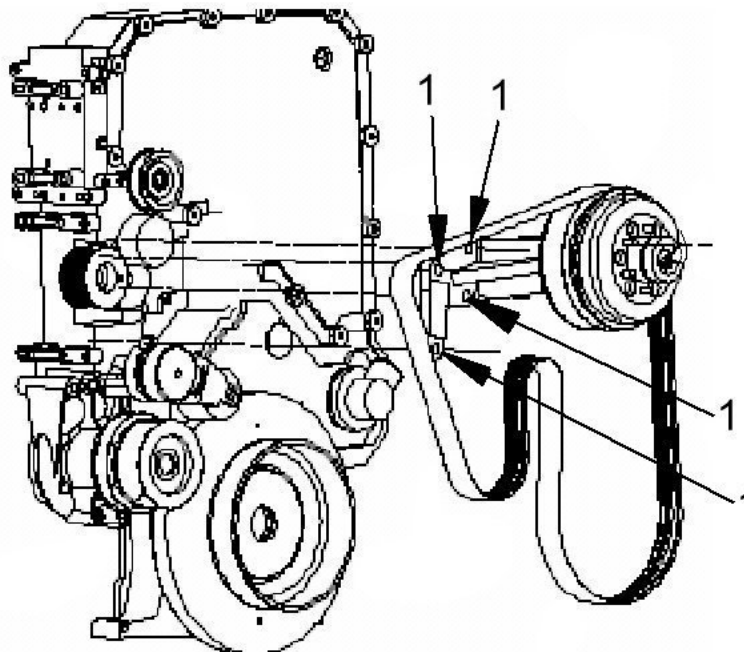
## SERVICE PROCEDURE

**! WARNING** – To avoid property damage, personal injury, or death, park the vehicle on a flat level surface, set the parking brake, turn the engine off, and chock the wheels.

**! WARNING** – To avoid personal injury allow the engine to cool sufficiently before performing this Service Procedure.

Refer to Figure 1

1. Remove the tension from the fan belt.
2. Remove **one** hub mounting bolt and replace with the equivalent bolt from the kit. Turn the bolt until the bolt flange is in contact with the hub flange.
3. Repeat the procedure for the three remaining bolts.
4. Tighten the fan hub mounting bolts to 80 to 100 Lbf-ft (108 to 136 Nm).
5. Re-install the fan belt.



**Figure 1 Replace Fan Hub Mounting Bolts**

1. Fan Hub Mounting Bolts

Operation number must appear on all claims.

**Table 2 Labor Information**

| Operation No. | Description                    | Time    |
|---------------|--------------------------------|---------|
| A40-05903-1   | Replace Fan Hub Mounting Bolts | 0.6 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 G-05903.

It is important that the 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.

To assure this important improvement is made in a timely manner, all claims for G-05903 activity must be submitted by August 31, 2006 or within the normal warranty period for the vehicle, if after August 31, 2006.

| GROUP | NOUN | C | WARR. | TP | PAD |
|-------|------|---|-------|----|-----|
|       |      |   |       |    |     |

GROUP Enter number G—

NOUN Leave blank

C (CAUSE) Enter either 1, 2, 3. (see below)

- 1. Inspected (No repair required).
- 2. Inspected and repaired.
- 3. Defective part from parts stock.

WARRANTY (Warranty Code) Enter 40.

TYPE PART Enter P for type part causing failure.

PAD Enter 100

Distribution: All except J-81

Reproduction: Not required.