

Authorized Field Change

AFC G-07907R

Date: September, 2007

Subject File: ENGINE

Subject: Replace Water Pump Pulley on MaxxForce DT, 9 and 10 Engines

Model: 3200

Start Date: 03/15/2007 End Date: 06/04/2007

Model: 4300

Start Date: 03/15/2007 End Date: 06/04/2007

Model: 4400

Start Date: 03/15/2007 End Date: 06/04/2007

Model: 7300

Start Date: 03/15/2007 End Date: 06/04/2007

Model: 7400

Start Date: 03/15/2007 End Date: 06/04/2007

Model: 7500

Start Date: 03/15/2007 End Date: 06/04/2007

Model: 8500

Start Date: 03/15/2007 End Date: 06/04/2007

Model: CE Bus

Start Date: 03/15/2007 End Date: 06/04/2007

Model: RE Bus

Start Date: 03/15/2007 End Date: 06/04/2007

Engine Family: MaxxForce DT

Engine Family: MaxxForce 9

Engine Family: MaxxForce 10

DESCRIPTION

REVISION DESCRIPTION

- Added second note regarding engines affected
- Updated parts table to clarify part usage

International Truck and Engine Corporation has determined that MaxxForce DT, 9 and 10 engines could experience a water pump pulley separation. Paint on the pulley surface is causing the mounting bolts to lose torque, allowing the pulley to come off.

NOTE – If the repair has not been previously completed and before ordering parts, make arrangements with the customer to have all applicable International® MaxxForce DT, 9 and 10 engine AFC's completed during a single visit. Only order parts for vehicles that have been scheduled with the customer.

DESCRIPTION (CONT.)

NOTE – Not every engine in the date range above is affected. This campaign is engine serial number specific. Only perform this repair on units marked in ISIS.

PARTS INFORMATION

Table 1 **Water Pump Pulley Service Kit**

Description	Part Number	Quantity
MaxxForce DT (466's) Water Pump Pulley for 12NSG — 245HP 12NSZ — 255HP	1879471C1	1
MaxxForce 9/10 (570's) Water Pump Pulley for 12NSJ – 310HP 12NSN – 350HP 12NSP – 330HP 12NST – 310HP 12NSU – 310HP 12NSX – 330HP 12NTC – 300HP	1879468C1	1

SERVICE PROCEDURE



WARNING – To avoid personal injury or death, shift transmission to park or neutral, set parking brake, and block wheels before doing diagnostic or service procedures.



WARNING – To avoid personal injury or death, disconnect battery before working on front of engine to ensure engine is not cranked while you have your fingers in the pulley area.

SERVICE PROCEDURE (CONT.)

! WARNING – To avoid personal injury or death, let engine cool down before starting replacement of pulley.



Figure A Replace "Flat"



Figure B Correction "Concave"

1. Remove engine splash shield.
2. Loosen four M6 x 12 pulley bolts on pulley (Figure A).
3. Insert 1/2 inch square drive ratchet or breaker bar into belt tensioner square hole.
4. Rotate belt tensioner clockwise to release belt tension.
5. Remove drive belt and release belt tensioner.
6. Remove four M6 x 12 pulley bolts and remove water pump pulley (Figure A).
7. Install new water pump pulley (Figure B). Tighten four M6 x 12 pulley bolts finger tight.
8. Insert 1/2 inch square drive ratchet or breaker bar into belt tensioner square hole.
9. Rotate belt tensioner clockwise to release tension.
10. Install drive belt and release belt tensioner.
11. Torque four M6 x 12 pulley bolts 10 lbf-ft.
12. Install engine splash shield.

Operation number must appear on all claims.

Table 2 Labor Information

Operation No.	Description	Time
A40-07907-1	Replace water pump pulley	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 G-07907.

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-07907 activity must be submitted by August 31, 2008 or within the normal warranty period for the vehicle, if after August 31, 2008

	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.