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# Maxxforce 13 Fan Clutch Removal

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## [Book] Maxxforce 13 Fan Clutch Removal

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### Maxxforce 13 Fan Clutch Removal

#### **INSTALLATION PROCEDURE 2011 Navistar MaxxForce 13L**

INSTALLATION PROCEDURE - 2011 Navistar MaxxForce 13L Procedure for installing Evans Waterless Coolant and a ResistorPac into a 2011 Navistar Max Force 13L engine equipped with an ECM-controlled modulating fan VER 05Nov2012 CAUTIONARY NOTE: DO NOT FLUSH COOLING SYSTEM WITH WATER! This procedure is modeled on NFI Truck No 222013 VIN

#### **MaxxForce 11 and 13 (2010) - Navistar**

This document will address unique EFC functionality for the MaxxForce® 11 and 13 Description and Operation Operation The EFC feature operates automatically, with the exception of the optional manual fan override switch If the vehicle is equipped with a manual fan override switch, the operator may activate the fan at 100% fan speed at any time

#### **INSTALLATION PROCEDURE - 2011 Navistar MaxxForce 13L**

INSTALLATION PROCEDURE - 2011 Navistar MaxxForce 13L CAUTIONARY NOTE: DO NOT FLUSH COOLING SYSTEM WITH WATER! 1 Supplies, information, and special tools needed: 1) Is the engine equipped with a coolant filter? If the engine is equipped with a coolant filter, replace with a non-chemical coolant filter element A Fleetguard WF2077 fits

#### **2010 MaxxForce 11 and MaxxForce 13 Engine Training ...**

2 ©2010 MaxxForce 11 and MaxxForce® 13 Engine Training Program The front gear train is located behind the front cover The gear train drives the oil pump, low-mount cooling fan, and the accessory drive assembly The fuel filter module and high-pressure fuel pump are located on the left side of the engine The pump is capable of

#### **2007 TM MaxxForce 11 and MaxxForce™ 13 Engine ...**

10 ©2007 MaxxForce 11 and MaxxForce® 13 Engine Diagnostics Possible problems include, damaged exhaust pipes, aftertreatment system regeneration required, restricted aftertreatment system, and the retarder butterfly stuck closed Are the camshaft and crankshaft position sensors connected? Check the engine and chassis harnesses for signs of damage

### Summary of Changes - Quality Service Manual

MaxxForce® 11 and 13 Diesel Engines Engine Configuration 4 stroke, in line six cylinder diesel Advertised brake horsepower @ rpm • MaxxForce® 11 • MaxxForce® 13 See EPA exhaust emission label See EPA exhaust emission label Peak torque @ rpm • MaxxForce® 11 • MaxxForce® 13 See EPA exhaust emission label See EPA exhaust emission label Displacement • MaxxForce® 11

### MaxxForce DT, 9, 10 (2010 - 2013)

GND A F + 0000003221-R4 MaxxForce DT, 9, 10 (2010 - 2013) Engine Wiring Diagram Page 1 of 3 B A 1 2 2 3 1 4 ECB1 BCP ICP Injector 1 Injector 2 Injector 3 Injector 4 Injector 5 Injector 6

### FAN DRIVE INSTALLATION, OPERATION AND ... - Fan Clutch

Protect the radiator from possible damage from the fan during fan removal and fan drive installation 2 If applicable, remove the existing fan, fan drive, mounting hardware and belts Fan Drive Installation Steps 1-13 NOTE The Manual Toggle Switch is stamped OFF and ON OFF position is for continuous operation, ON position is for automatic

### Table of Contents - Quality Service Manual

• MaxxForce® DT • MaxxForce® 9 and 10 119 mm (468 in) 146 mm (575 in) Compression ratio • MaxxForce® DT • MaxxForce® 9 and 10 169 : 1 172 : 1 Aspiration VGT turbocharged and Charge Air Cooled (CAC) Rated power @ rpm 1 • MaxxForce® DT • MaxxForce® 9 • MaxxForce® 10 245 bhp @ 2600 rpm 310 bhp @ 2200 rpm 310 bhp @ 2200 rpm

### SERVICE MANUAL - Navistar

LoneStar® and ProStar® Chassis Built January, 2007 and After — ELECTRICAL CIRCUIT DIAGRAMS iii 444 REMOTE RADIO — N/AMP AND N/WIRED REMOTE AND N/DRIVER INTERFACE DISPLAY,

### O:700555 Model (1) - DewEze

DewEze Clutch Pump Kit 700555 International MaxxForce DT, PH14 Pump, 2012+ remove the fan clutch by removing four nuts and washers from the rear face of the fan away from the clutch enough for clearance 13 Place six shims (24) over fan clutch studs, (between clutch and fan) Place fan back

### EC450TM ELECTROMAGNETIC FAN CLUTCH (STANDARD ...

ELECTROMAGNETIC FAN CLUTCH (STANDARD AND COMPACT STYLES) INSTALLATION AND PRODUCT INFORMATION STANDARD COMPACT A/C Pressure Switch 13 PARTS LIST 14 TORQUE SPECIFICATIONS 15 2 22687 INTRODUCTION To Fan Clutch or Solenoid Removal of plug with 3/8" ratchet drive Installation of Temperature Switch 8 22687

### Torque Specifications

Make Liter CID Engine Model Year Rod Torque Main Torque Cylinder Head Bolt Torque ACURA 16 97 D16A1 86-89 23 FT/LBS 40 FT/LBS 22, 47 FT/LBS ACURA 17 104 B17A1 92-93 14,23 FT/LBS 56 FT/LBS 22,61 FT/LBS

### 2007 MaxxForce DT, 9 & 10: Engine Overview

4 2007 MaxxForce™ DT, 9 & 10: Engine Overview Be sure that you know the location of properly rated and charged fire extinguishers When working

on the engine, keep the work area and tools as clean as possible Also, clean all connections or fittings before disconnecting or removing components  
Use a suitable pan to catch any fluid

### **TORQUE SPECIFICATIONS Application Ft. Lbs. (N.m)**

HVAC SYSTEM TORQUE SPECIFICATIONS Application Ft Lbs (Nm) A/C Refrigerant Filter Retaining Nuts 11 (15) Compressor Bracket Mounting Bolts 37 (50) Compressor Clutch Plate Retaining Bolt 13 (18) Compressor Discharge Hose Nut At Connector 12 (16) Compressor Hose Bolt At Compressor - Harrison (43L, 66L & 81L) 25 (34)

### **EFFICIENT BIG BORE POWER - International Trucks**

EFFICIENT BIG BORE POWER The Navistar® N13 is designed specifically for International® brand vehicles The 2200 bar common rail fuel system delivers outstanding fuel economy The compacted graphite iron crankcase enables significant weight savings

### **HEAVY-DUTY TOOLS**

HEAVY-DUTY TOOLS Compression, Glow Plug, & Disconnect Tools 227 Ford 5-pin Connector Harness for Glow Plug Testing • Provides an easy way to check glow plug resistance without having to remove the valve cover of 1994-98 Ford trucks and vans with 7.3L DIT (direct-injected turbocharged) diesel engine

### **IK1201048 1 9**

Applies To: 2010 MaxxForce 11,13,15, N13 It is important to note with the 10/24/2014 revision that the low mount fan drive clutch (viscous, feature code 0012THX) must be replaced for engine overspeed DOC/DPF removal and inspection Horizontal Aftertreatment 2010 EPA MaxxForce 11/13 ...

### **EA09-008 PACCAR 10/15/2009 RESPONSE 15 horton TS guide**

1 Air leaking from fan clutch 1 Bleed hole 1 Bad face seal or air cartridge 1 Instal seal kit 2 Air chamber 2 FAN DRIVE AND AIR CHAMBER REMOVAL 1 Verify the fan drive model and that correct 13 D-(O) D-Ring Ring Piston Friction Disc Steps 11-12 Retaining Ring Step 1 Cartridge Assembly Carbon Tip

### **Lang new product supplement revC lowres1**

• Removal of 3/8" and smaller type 1 & 2 fuel and MaxxForce series 11 & 13 engines • Heat treated to minimize fork deflection 5222: 6-PIECE FINGER profile in tight fan clutch areas • Get more torque with square drive cutouts designed for use with a breaker bar