



Countries:	CANADA, UNITED STATES, MEXICO	Document ID:	IK1201382
Availability:	ISIS, IsSIR	Revision:	2
Major System:	ENGINES	Created:	7/21/2017
Current Language:	English	Last Modified:	9/15/2017
Other Languages:	NONE	Author:	Allan Hertko
Viewed:	221		

[Less Info](#)

Hide Details

Coding Information

Copy Link	Copy Relative Link	Bookmark	Add to Favorites	Print	Provide Feedback	Helpful	Not Helpful
		 View My Bookmarks				 4	 0

Title: N13a 2013-2015 (SRC) Long Block Plus
Applies To: 2013-2015 N13a (SRC) Long Block Plus

Change Log

Please refer to the change log text box below for recent changes to this article:

8/30/2017- Initial release
9/11/2017- Updated model w/correct part #.

Description

The Long Block Plus (LBP) service engine is a remanufactured engine rebuilt by Springfield Remanufacturing Corporation (SRC). The LBP can be used for in-warranty and customer pay engine replacements. The LBP engine is assembled with new and remanufactured components. **"Jake" engine brake assemblies are installed on every engine except for SEVERE SERVICE (SS) applications. LBP engine's are shipped without engine oil.**

New Components

Camshaft, cylinder "sleeves" liners, water pump, oil cooler module, gear driven fan drive assembly, Horton fan components, fuel filter header assembly, HPFP assembly, fuel injectors, high pressure fuel lines, fuel transfer tubes to injectors, low pressure fuel lines, fuel injector harness, thermostats, oil pump, oil pump shaft, exhaust manifold, turbo oil supply line and turbo drain tube.

New / Remanufactured Components

Engine crankcase, cylinder head, connecting rods, pistons, high pressure turbo, low pressure turbo, "Jake" engine brakes, rocker arm assemblies, gear-train, oil pump rotors and oil pump cover.

Components to be transferred from original engine

Engine wiring harness / sensors, EGR components; HT / LT cooler housing, brackets, heat shields, inlet, outlet, cross-over tubes, inlet elbow to water distribution housing, inlet hose to oil cooler, (CCV) coolant control valve, Inlet NOx sensor / module, (EBPVA) exhaust back pressure valve, (ITV) intake throttle valve, (ACV) air control valve, after-treatment fuel lines, (DSI) down-stream injector / module, (ECM) engine control module / bracket, (LPCAC) low pressure charge air cooler, air / fuel lines, front accessory "pulleys", alternator, dipstick tube / adapter, flywheel and air compressor.

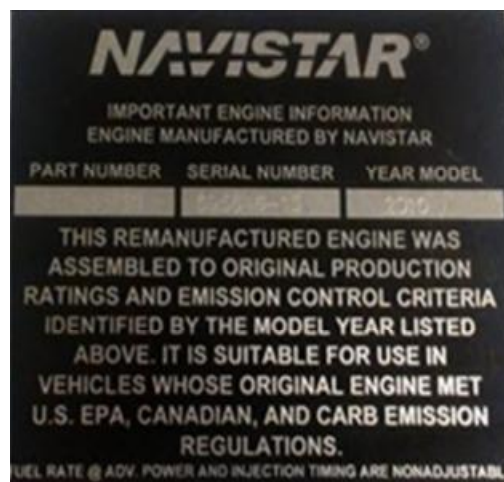
Procedure

1. Review Health Report for EGR and low coolant faults.
2. Inspect and pressure check EGR cooler assembly before installation.
3. Inspect original engine for reusable components, for wear and damage prior to transferring and installation.
4. Follow the N13 engine service manual for proper torque procedures and values.
5. For severe engine applications remove the upper rocker cover and inspect for "Jake" engine brake assemblies, transfer exhaust bridges and components, adjust overhead to specification.
6. If **equipped** remove composite rocker cover, install dust shield during installation tool **12-000-01-08**.
7. Use long block plus gasket kit **2515613C91**.
8. For vehicle's that have not been updated, install Horton fan drive retrofit kit **2515591C91**.
9. **ESN# will not change within the ECM. Program the injector IQA's and update the ECM to the latest calibration.**
10. Calibrate the O2 sensor.
11. Prime the fuel system with **Fuel Priming Tool 12-922-01**.
12. Fill the engine to the correct oil level.
13. Fill the cooling system with the **Cooling Management Cart KL5007NAV**.
14. **Please update the case file with "new" installed ESN, this will be used for tracking warranty and quality concerns.**



WARNING:

Prior to engine start up the technician must add the correct amount of oil to the engine. To prevent fuel system damage / concerns the fuel system must be primed with Fuel Priming Tool# 12-922-01.



Technical / Warranty Assistance

Programming Concerns:

Please open a case file with Navistar technical support.

Please contact SRC for **Technical / Warranty / Injector IQA** concerns:

SRC: 1-855-736-3933

Email: Warranty@SRCreman.com

Engine Part #'s

N13 (SCR) w/APR	
Remanufactured Part#	Application
5010919R91	Prostar 122
5010920R91	Transtar

5010921R91	Paystar
5010922R91	Workstar/Lonestar w/o PTO
5010924R91	Workstar/Lonestar w/PTO
5010926R91	Prostar 113

Parts

LBP Gasket Kit	2515613C91
Fan Retrofit Kit	2515591C91

SRT

Repair	Model	Engine	SRT	Labor
Primary Service Engine Parts, Transfer	ProStar	N13a	R12-1051U-8	SRT Home Page
	7600 / 7700		N12-1051U-9	
	8600		Q12-1051U-9	
Fan Drive Retrofit, Perform	Prostar	N13a	R12-1051U-9	
Engine Brake Assembly, Transfer	Prostar	N13a	R12-1051U-10	
	7600 / 7700		N12-1051U-10	
	8600		Q12-1051U-10	

Note:

If an SRC reman shortblock, longblock or complete engine is replaced within engine warranty period or if the engine failure is a covered component in an extended service contract all technical support will be direct by **NAVISTAR TECHNICAL SUPPORT**.

Only SRC reman engines purchased "OTC" over the counter, are covered under a parts warranty should be directed to SRC.

 Hide Details

Feedback Information

Viewed: 220

Helpful: 4

Not Helpful: 0

No Feedback Found

Copyright © 2017 Navistar, Inc.