TRUCK HOW-TO

Chevs of the 40's Project '47

PR PART TWN

Chevs of the 40's Preps the Blueprint Engines 383 Stroker

Story by Josh Kaylor and Dan Burrill Photography by Dan Burrill and Chevs of the 40's

ast month, we introduced Rod the Street Headquarters and Chevs of the 40's project '47 Chevrolet pickup. To quickly recap the build, owner Rob Logsdon purchased a well-worn '47 Chevrolet truck from a farmer's field for \$100. From there, a Corvette C4 front and rear suspension were located for an additional \$2500, and both the truck and the suspension components were then delivered to Time Machines Northwest.

UNE

88



formed using a torgue plate. This is how cylinder taper and ring ridge is removed from the block. Using a torgue plate during the boring and honing process simulates the stress placed on the cylinders when the heads are bolted on.

erails. During the chassis build, Logsdon decided that the 383 Blueprint Engines stroker took the time to photograph the machining motor was the way to go, and as a direct retailer for Blueprint Engines, his decision was a nobrainer and made sense. After all, these engines are professionally hand-built and feature a 30month, 50,000-mile warranty. The Blueprint 383 provides the Advanced Design pickup with nearly 400 hp and 442 lb-ft of torque, which is plenty of power for cruising, especially the fairgrounds.

During the engine build, Blueprint Engines process, as the company completely refurbished the Chevy four-bolt main block, machined and assessembled it into a brand new horsepower monster (see sidebar for engine specs).

After receiving the Blueprint small block, Chevs of the 40's quickly began assembling the top end of the engine before paint to trial fit the aftermarket components to ensure proper fitment. Rather than try to piece together a drive

TRUCK

Chevs of the 40's Project

system, Logsdon decided to use a Billet Specialties Tru Trac. The Tru Trac will provide the truck with the needed accessories as well as all the brackets and pulleys, plus it looks great and dresses up the front of the engine.

Street Rod Headquarters then tackled the fuel delivery system. Blueprint Engines offers only a single four-barrel combination, but Logsdon decided to swap out the single carb for the Barry Grant Six Shooter. The Six Shooter package is comprised of an aluminum intake that mounts three 250cfm Barry Grant carbs designed with the center carb being the primary carb. The front and rear carbs are operated via progressive linkage. After bolting on the fuel delivery system, the last thing left was the addition of the Sanderson block hugger headers and the 4L60E transmission.

Before installing the engine and transmission, the entire engine was stripped of all its accessories and painted a light silver to match the framerails. When dry, the crew at Time Machines Northwest reassembled the engine and bolted on the transmission and installed the assembly into the freshly powdercoated framerails. With the chassis and drivetrain complete, we now move on next issue to cover the sheetmetal and body restoration, as Time Machines Northwest works its magic on this time-worn pickup body. For now, follow along as Blueprint Engines builds a 383 stroker from the ground up. **TB**

Four-bolt main block Square and parallel decked Align-honed main bearing bore Cylinders honed on computer controlled machine to within .0002 straightness and roundness Cylinders are sonic tested for thickness

Rotating Assembly

New SCAT cast crankshaft New SCAT I-beam rods Keith Black Hypereutetic pistons Hastings Moly rings Balanced rotating assembly Melling high-volume oil pump Flat tappet hydraulic lifter camshaft Heavy-duty double roller timing set

Culinder Heads

New Dart aluminum cylinder heads 1.437 diameter valve springs Hardened retainers and springs 2.02 swirl polished intake valves 1.60 swirl polished exhaust valves Hardened pushrods

Barry Grant Inc.

Dept. TB 1450 McDonald Rd. Dahlonega, GA 30533 706/864-8544 www.barrygrant.com

Billet Specialties Inc.

Dept. TB 500 Shawmut Ave. La Grange, IL 60526 800/245-5382 www.billetspecialties.com

Blueprint Engines

Dept. TB 800/483-4263 www.blueprintengines.com



2 After the machining process, the block is then pressure-checked to ensure there are no weak spots or cracks, as part of the sonic testing of cylinder wall thickness. 3 Decking of the block is where the deck surfaces on all Blueprint blocks are machined to ensure a leak-free seal for the cylinder heads. 4 Measuring of the deck height is part of the blueprinting process, this procedure checks the distance from the crank centerline to the top of the deck (head surface). It is checked at different locations-front and rear-on the deck surface to ensure it is parallel to the crank centerline. 5-7 After boring, each cylinder hole in the block is honed to achieve the final finish and size for each cylinder. The proper finish and straight hole will allow the piston rings to seat correctly and the engine to seal properly.

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Sources

Chevs of the 40's

TRUCK

How-To

Dept. TB 1605 NE 112th St. Vancouver, WA 98686 800/999-2438 www.chevsofthe40s.com

Street Rod Headquarters

Dept. TB 1605 NE 112th St. Vancouver, WA 98686 800/952-1752 www.streetrodhg.com

Time Machines Northwes

Dept. TB 5401 NE 119th St. Vancouver, WA 98686 360/737-3175







TRUCK HOW-TO Chevs of the 40's Project '47



BUILD TRUCK | MAY/JUNE 2008 92

36-38 The power steering bracket is next. 39 Then, the installers are ready for the tensioner support bracket. 40-42 They install the water pump and spacer nuts. 43-45 Here, the bridge bracket is installed. 46-47 Then, they installed the belt ten-sioner. 48 Next comes the power steering pump, pulley and alternator. 49-50 The A/C compressor is installed.



chassis. With that done, it was all put back together and the engine was mounted in the chassis. Sanderson headers complete the package.

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