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PROFILE:



CBM Motorsports

High performance sand car engines, and a lot more!

BY CASEY CORDEIRO

Lets face it, everyone who owns a right foot with that also has the need for an adrenaline rush wants a gnarly motor in their car. You all are with me on this, right? Based on what we see in the sand dunes, this is true to the capital T. So, when you go out and find that your sand car doesn't provide a perfect ratio of power to right foot pedal-down response, you might want to consider a motor upgrade to give you that extra power and performance. This is exactly where a company like Custom Built Motors (CBM) becomes part of your plans for future sand car fun. Recently, we were given an open invitation to see what goes on behind the scenes at CBM's impressive facility. This is what we found.

First off, we have to say that a motor is one of the most fun and build-able parts of a custom sand car. Engines allow their owners something to tinker with and continuously adjust. In most people's cases, getting your motor to run right is not something you want on your everyday to-do list. Wouldn't it be nice if there was a company whose main objective was to get an engine running at its optimum potential so you had minimal





CBM Motorsports is well-known as one of the leading engine builders in the sand sports industry. They operate business out of a 2,000 square-foot building that houses an engine assembly area, parts and supply room, computer-controlled dyno (above), and a full showroom. They build complete engines and ship them worldwide, perform engine retrofit projects for customers & also build CARB-approved smog legal engines.



turbo models which all make gobs of reliable horsepower. Anything you can dream up, CBM can build.

Along with the fact that CBM offers you a diverse amount of motor choices, they also have an entire shop full of parts. In the top balcony of their facility is a 2,000 square-foot area filled with parts, supplies, and materials to build any engine combina-

tion. From simple items like belts and ignition sources, to complicated items and essentials like water pumps and alternators, CBM has all the accessories to put together the go-fast motors we dune enthusiasts seem to desire.

Additionally, CBM is a dealer for several major companies in our industry. Companies

such as PCI Race Radios, Beard, Lowrance, Crow, MSD Ignitions, Racepack, and numerous other distributors have come together in CBM's shop to offer you a selection that is second to none. With all these companies culminating in one shop, access to the best parts is readily available.

As with all of their other services, CBM has a full-service maintenance facility. CBM's owners were very clear with us regarding one fact. They want their customers to take their sand cars to their original builder for all service work if possible. This is endorsed to keep our industry afloat by spreading the wealth and work around.

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this day and age, the environmentalist wizards are kindly requesting everyone to have a "go-green" approach. CBM has taken the "go-green" challenges head on and

developed CARB (California Air Resource Board) compliant motors to give customers the options they need when registering their new buggy. (I'll talk more about the CARB motors later.) In addition to these emission legal motors, CBM has a slew of GM engines that can be anything from naturally aspirated, to supercharged and even twin

do-it-yourself work to complete? Everyone rejoice, because CBM is the go-to company for jobs like this.

CBM offers many different services in their 4,000 square-foot facility. If you are just starting on a sand car build, they have a full selection of GM engines from crate to completely built for you to choose from. In



CBM MOTORSPORTS

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But, if your car is in need of motor work and a few mechanical repairs, CBM can handle almost any task you ask them to perform.

Not only do they have the maintenance side of business covered, CBM is happy to perform upgrades and other work on your sand cars' engine. Like I mentioned in the introduction, almost everyone who owns a sand car tries to upgrade the amount of right foot go-power in some way. This can be said about everything we own including our trucks, quads, and other vehicles of choice. But, CBM is all about the "custom built motors" in sand cars and that is their specialty. Upgrading from a naturally aspirated motor to a blown or turboed model is an everyday process for them. The customer just drops off their sand car, leaves it to the masterful hands of the mechanics, and picks up their ride when its finished to see how much more power CBM coaxed out of their engine.

As mentioned, CARB-compliant engines are one of CBM's specialties. They have a vast array of CARB engines built around the regulations set forth by the California legislature in the CARB district. These models include catalytic converters, which are used to separate exhausted particulates from being expelled from the engine into the air. If you purchase a new sand car this year, or in the future, you may be required to install one of these CARB-compliant engines to legally register your car in California. So, take this into consideration and make sure you are all legal when you build your next ride.

A line of specialty accessories is also made by CBM to customize and improve the looks and performance of your sand car. They make air filters to keep the sand out of your motor. They also make a slew of "bling" accessories to color up your sand car with some shiny valve covers, intake covers, and other custom aluminum parts ... including their own custom ported heads for high performance applications.

Last, but certainly not least, an exclusive feature at the CBM facilities is an in-house dynamometer. On this dyno, CBM can tune any engine and decipher almost any problem an engine may have, and get it running to its full potential. They also use the dyno to tune the motor for the optimal power output and the best possible diagnostics for that given engine.

Next time you are in need of a motor upgrade or just some tuning to make your sand car run the best it possibly can, be sure to check out Custom Built Motors for their expertise and experience in the engine field. Until next time, be safe in the sand jungle.

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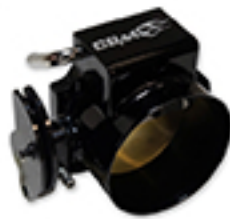
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