

Portable Electric Jack Does It All

As an avid off-road enthusiast, Ernie Deason was often tasked with lifting his vehicles and equipment to make repairs.

"My jack was a small, cheesy screw jack, and I wasn't very happy with it," Deason laughs. "I'd considered the possibility of making a battery-powered jack, so I thought I'd give it a try. I took a regular trailer jack, made some alterations, and built a prototype I could power with a cordless battery."

After some trial and error, he patented the Jack B Quick, a customizable, battery-powered 3,500-lb electric jack, updated with durable stop features and a stronger gearbox.

Deason offers the battery-operated jack with Milwaukee, DeWalt or Makita battery platforms, plus provides an adapter to accommodate existing batteries.

The jack features 18 in. of travel in the screw portion, with the foot extending up to 12 in. in 2-in. increments. A top cap is grooved for a stable lift point, ideal for rounded metal such as piping and roll cages. Fully extended, the electric jack reaches a height of 64 in. It also includes an interchangeable, super-sized plastic foot to improve stability on loose surfaces such as mud, sand or gravel.

"I've used it to flip over ATVs and pull T-posts out of the ground. Mechanics are using them to change tracks on skid steers and pull hydraulic arms when cylinders are repaired. They're especially useful as they're



Compatible with Milwaukee, DeWalt or Makita battery platforms, 3,500-lb jack includes an adapter for existing batteries and an oversized plastic foot to improve stability on loose surfaces.

built to push and pull."

The Jack B Quick electric jack is manufactured in Missouri and is available through distributors across North America. It retails for \$1,099 plus S&H.

Contact: FARM SHOW Followup, Jack B Quick, 2037 Oberhelman Rd., Foristell, Mo. 63348 (ph 314-956-2544; jbjacks@gmail.com; www.jbjacks.com).



Wrench uses a roller clutch design that engages instantly, delivering a zero-degree swing arc for tight spaces where standard ratchets need more room to operate.

Zero Degree Socket Wrench Goes Pro

The Zero Degree (ratchetless) socket wrench has already made life easier for mechanics of all types. A new version will be even better. Designed for professional mechanics, it's made with higher-grade steel and a magnetic drive, unlike the spring-drive version currently manufactured in China.

"Our consumer version is sold in big-box stores and online, and it's ideal for the homeowner who only needs a Zero Degree wrench on occasion," says Bob Albertson of Albertson Enterprises. "Our new pro version, the ZeroDrive, is designed for full-time mechanics who need a tougher wrench for daily use."

At 88, when many people slow down, serial inventor Albertson (with more than 300 patents) is defying the norm. Inventing Mr. Coffee, the precursor to refrigerator ice dispensers, a car cassette tape player, a mini gyroscope for missiles, and more than 40 other products on the market isn't enough. He has at least another half-dozen projects underway. Some, like his magnetic transmission for electric-powered cars (Vol. 34, No. 4), may never make it to market, at least in that form. Others, like the Zero Degree socket wrench, can take a decade or more.

"We introduced it in 2004, licensing it for a year to a company that soon went into bankruptcy," says Albertson. "It was tied up in court as a company asset until about 5 years ago."

A new licensee has made the wrench widely available. It's also sold directly on the company's website. The wrench is designed for tight spaces, thanks to its zero-degree and free-turning ratchetless drives.

"You don't have to put resistance on the socket with our wrench," explains Albertson. "There's no drag. The wrench turns the socket with less than one degree of arc. Standard ratchet gear socket wrenches average a 5 to 12-degree swing arc."

The ZeroDrive wrench uses a hexagonal inner cam/driver surrounded by six cylindrical rollers. The rollers, in turn, are enclosed by a hardened cylindrical race machined into the handle. The roller clutch design, with cam rollers instead of teeth, provides a zero-degree swing arc and back drive. It engages immediately in the drive direction, providing instant grip.

The free-wheeling movement provides greater control and a more precise feel. It also eliminates the need to hold the socket when starting or working with loose bolts.

Zero Degree socket wrenches are available online and at major retailers, priced between \$23 and \$29. The U.S.-made professional line is priced between \$150 and \$200.

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FARM SHOW®

Money-Saving Repairs & Maintenance Shortcuts

Have you come up with any unusual money-saving repair methods for fixing farm equipment? What maintenance shortcuts have you found? Have you had any equipment recalled by the factory? Name a particularly tough mechanical problem you've had with a piece of equipment and how you solved it.

These are a few of the questions we asked randomly selected FARM SHOW readers. If you have a repair tip, maintenance shortcut, or other mechanical experience you'd like to share, send details to: FARM SHOW, P.O. Box 1029, Lakeville, Minn. 55044 or email us at: editor@farmshow.com.

Scott Geyer, Editor & Publisher

Editor's Note: We frequently receive calls from readers seeking places that rebuild batteries. One we found is Rymer Tool Depot LLC (2010 Michigan Rd., Argos, Ind. 46501; ph 574-332-3340). Here's what they had to say about their battery rebuilding service: "Do you have bad Milwaukee and DeWalt 18-volt or 20-volt lithium-ion batteries? Don't discard them — get them rebuilt. We can rebuild your batteries and give them a higher capacity and more power than when new." They offer a 1-year warranty on all components.

9/16-in. and 3/4-in. sockets (the ones I use most) orange for quick size reference, and I've added a blue stripe to my metric sockets to help identify them, especially the 1/4-in. drive set."



Gary Sampson, Freedom, N.Y.: "A fellow wrote in saying he could fix anything with J-B Weld, zip ties and duct tape. He forgot Through The Roof! caulk (www.sasheo.com; ph 800-767-5656).

"I now use a license-plate screw as a plug for a tube of caulk. No more caps that get knocked off, leaving the caulk to dry out."



Steve Dietrich, Morton, Ill.: "Here's a great way to remove stuck-on grass clippings from under a mower deck. Over the years, I'd lie underneath with a scraper, trying to knock off the hard, baked-on grass, and I'd often hit my knuckles on sharp edges. But now I use an oscillating vibrating tool with a scraper blade in it.

"The one I use is a 5-speed variable, 20-volt Harbor Freight Bauer, which is a step above. I usually use low speed, but if the debris is difficult, I can easily go higher. I like this one because it has a headlight. It's dark under the mower deck without some extra light. It works for me."



Spencer Turrentine, Bell Buckle, Tenn.:

"This is my solution for carrying my chainsaw on my Gehl skid steer. My carrier also holds chains, gas, oil, tools, etc. It's made from shop wood scraps and has a hook on top, a bent piece of flat metal."

Bob Zurfluh, Monticello, Wis.: "I have a Milwaukee 18V grease gun with a LockNLube XL tip. I have no regrets. But the tip won't fit some grease zerks. I bought a 90-degree extension at Farm & Fleet that works great in that situation, and it fits in the hose holder loop, so it's with the gun at all times.

"I wear rubber mechanic's gloves and use baby powder on my hands to put them on easily. Compressed air or blowing into the gloves makes removal easy, so I can reuse them. Brake cleaner works well to clean them off if needed. All these things are conveniently located by the grease gun 'parking spot' along with the garbage can. There's always something in the garage to wipe off the tip after each use.

"My sockets are getting hard to read after years of use. I've painted most of my