

Foot-Operated Grease Gun

If something is easy to grease, it's more likely to get greased. That's what led to the development of this new hands-free, foot-operated grease gun that leaves your hands free to stretch and reach difficult grease points.

The "G. Gun" is a metal canister that's equipped with a 10-ft. high pressure hose. It holds up to 18 lbs. of grease. The bottom of the unit is equipped with a self-priming pump. A clip-on lid keeps out rain and dust. To grease the zerk you simply step down on a pedal on one side of the canister. The unit can be pumped by hand when used under low machinery.

The company that sells the unit, HornTrading Inc., supplies grease in handy 5-lb. squeeze pouches for clean and easy filling.

"It holds a lot more grease than hand-held guns and also applies much more pressure," says Linda Sara. "The unit has an operating pressure up to 9,000 psi, so it does a good job of dislodging any dirt and grit that may be in the zerk. Unlike air-powered or electric grease guns it has no batteries to recharge or compressor to hook up to."

Sells for \$264 including S&H.



Foot-operated grease gun leaves your hands free to stretch and reach difficult grease points. Unit can be pumped by hand when used under low machinery.

Contact: FARM SHOW Followup, Horn Trading, 11960 New Kings Road, Jacksonville, Fla. 32219 (ph toll-free 866 756-6775; fax 904 765-2260; email: sales@horntrading.com; website: www.horntrading.com).

Fuel Tank Sand Blasting Cabinet

"It works great and cost only about \$200 to build," says Rich DeVries, Forreton, Ill., about the sand blast cabinet he built out of a used 250-gal. fuel tank and scrap steel.

He lengthened the tank stand's legs to 4 ft. A 3-ft. wide, 14-in. high window was cut into one side along with a pair of 7 1/2-in. dia. access holes, spaced 16 in. apart. He fitted the access holes with protective gloves that he bought from a tool and equipment company.

A rectangular-shaped sand hopper welds it onto the bottom of the tank. He cut out one end of the tank and converted it into an access door.

The air-powered blast gun hooks up to a 6 1/2 hp, 220-volt, electric-powered air compressor. A siphon hose runs from the gun down into the sand. When he pulls the trigger on the gun, sand is sucked up out of the bucket and is blown out. A 6-in. dia. exhaust fan removes dust during sandblasting. Three 100-watt bulbs inside a jar hang inside the tank to provide light.

"It works great and can be easily moved around our shop," says DeVries. "Commercial sand blasters this size cost up to \$4,000. I bought the gloves and sandblaster gun new from an Ohio company called TIPS.

"The blast gun was blowing paint off the back wall of the tank and might have ended up blowing a hole through it so I screwed



Rich DeVries built this stationary sand blasting cabinet out of a 250-gal. fuel tank and scrap steel.

some vinyl siding onto the wall. The vinyl is soft enough that sand bounces right off it without affecting it."

Contact: FARM SHOW Followup, Rich DeVries, 10606 N. Hollywood Rd., Forreton, Ill. 61030 (ph 815 938-3393 or 815 238-4494; email: RichDeVries@aol.com).

Portable Sand Blaster

For objects that are too large to fit into his fuel tank sand blast cabinet, Rich DeVries used an old supplement feeder to build a portable sandblaster that mounts on four small rubber wheels.

The unit's metal cone was originally an old A.O. Smith Harvestore supplement meter and measures 30 in. high and 2 ft. in diameter. He mounted a suction tube, made out of conduit, inside the cone.

To use, DeVries transfers the air-powered blast gun and foot-operated valve from the fuel tank cabinet to the portable model. He mounted quick disconnects on the foot-operated valve and also on the blast gun to make the job easier.

"It really comes in handy. I can roll it anywhere I want and use it outside my shop building," says DeVries.



To use this portable unit, DeVries transfers air-powered blast gun and foot-operated valve from his stationary model.

Contact: FARM SHOW Followup, Rich DeVries, 10606 N. Hollywood Rd., Forreton, Ill. 61030 (ph 815 938-3393; email: RichDeVries@aol.com).

Skid Steer Motor Swap A Snap

Replacing a fried engine on his Owatonna skid steer loader was a snap for Brent Norton, Lodi, Ohio, who replaced the original engine with a 24 hp Onan engine. The biggest problem he had was matching the crankshaft on the engine to the shaft on his skid steer. It turned out to be simple to resolve.

"I laid two pieces of 1 by 1-in. rebar stock parallel across the frame and then set the motor on it," he says. "Then I shimmed the motor up until the shafts matched and then bolted the engine down to the frame and double nutted it. It locked the rebar and the shims in place."

Because 2-cyl. engines are noted for backpressure, Norton modified the exhaust system from a single stack to a double stainless steel pipe. He notes that the double stack has kept the motor running cooler. The only other modification he had to make was to run an extension made from coolant hose from the original air cooler to the new carburetor.

Norton uses his skid steer primarily for snow moving and for forklift work. After getting it running again, he cut a manure fork bucket apart and rebuilt it with pallet forks. This allows him to use the unit to store pallets of items on shelves in his barn.

Contact FARM SHOW Followup, Brent Norton, 8389 Congress Road, Lodi, Ohio 44254 (ph 330 948-3307).



Brent Norton replaced the worn-out engine on his skid loader with a 24 hp Onan.



He modified the exhaust system from a single stack to a double stainless steel pipe. It keeps the engine running cooler.

Hot Water Pressure Washer

George (Bing) Ribble converted a used power unit from a commercial car wash into a low-cost, portable pressure washer. When he needs hot water to wash, he hooks it up to a 40-gal. gas water heater that stands next to a water hydrant outside his shop building.

The pressure washer mounts on a 2-wheeled cart and is operated by a 5 hp electric motor, which belt-drives a 3-piston pump.

"I got the washer power unit from my nephew who works for a company that makes commercial power wash systems. It was originally powered by a 1 1/2 hp electric motor, which didn't have enough power for my needs so I replaced it with the 5 hp motor. The power unit was originally equipped with a single-groove pulley which I converted to a double-groove. It can pump at up to 2,000 lbs. pressure so I have to be careful when using it," says Ribble, of Hettick, Ill.

"I built it for less than \$200. It works as good as commercial hot water pressure washers that sell for \$2,000 or more. I collect antique tractors and use it a lot to keep them clean. The hot water works great for washing grease and dirt off the tractors. I already had the motor. I paid \$100 for the car wash



George (Bing) Ribble converted a used power unit from a commercial car wash into this portable pressure washer. When he needs hot water to wash, he hooks it up to a 40-gal. gas water heater that stands next outside his shop building.

power unit and got the hot water heater free from someone who wanted a new one."

Contact: FARM SHOW Followup, George (Bing) Ribble, 25766 Mt. Ragan Rd., Hettick, Ill. 62649 (ph 618 778-5752).

Do-It-Yourself Sandblast Cabinet

Want to build your own sandblasting cabinet, but at a loss as to where to start?

TP Tools has kits and plans for sale. Kits start at \$159. Plans are \$7.50.

They're available through their catalog, toll-free number, or on their website by clicking on the blasting cabinet and then on "nozzles, jets, kits, plans, parts."

Contact: FARM SHOW Followup, TP Tools & Equipment, Division of Tip Plus Corp., 7075 Route 446, Box 649, Canfield, Ohio 44406 (ph 800 321-9260; website: www.tptools.com).



TP Tools has kits and plans for sale on how to build your own sandblasting cabinet.