

We were able to sell the old 407 engine to a rebuilder so our total out-of-pocket expense was only about \$2,000. With no pump adjustments we ended up with 140 hp. We've used it for two years with no problems. It looks sharp and has worked beautifully."

**Dan P. Snyder, Odebolt, Iowa:** Dan had trouble remembering to shut the engine compartment door on his 1990 Deere 9500 combine whenever he opened it during harvest. So last summer he rigged up an automatic door closer for his combine that's adaptable to all Deere 9000 series machines.

It consists of a 10-ft. length of 1/8 in. dia. aircraft cable attached to the engine compartment door and to the fold-out steps. The cable runs under the latch that holds the door open.

"When you push the steps in, the cable tightens and automatically closes the door - no more having to climb back up the steps to do it when you forget," Dan says. "It took a while to figure out exactly what length the cable needed to be, but it's working so well that I plan to build the units to sell."

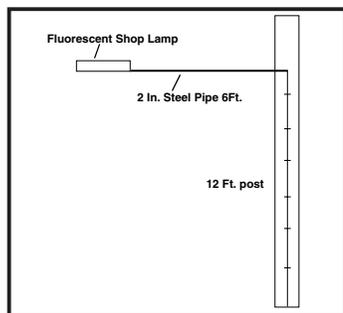
Contact: FARM SHOW Followup, Dan P. Snyder, 3532 Ida Ave., Odebolt, Iowa 51458 (ph 712 664-2413).

**Mark Campbell, Coarsegold, Calif.:** "In our part of the country, there's a lot of iron in the water and, consequently, household water filters typically don't last more than a month. However, I've found a way to double the life of the carbon filter on my home's water line with a simple filter cleaning device.

"I use a piece of 1/2-in. dia. galvanized steel pipe that's as long as the filter. The pipe has 1/4-in. dia. holes drilled randomly around it for water to flow through. I put a cap on one end and a hose adapter on the other. To use, you simply slip the pipe inside the dirty filter and hook the end of the pipe up to your faucet. The water backwashes out iron, rust and other undesirable deposits.

"This has worked great for me for several years."

**Vaughn Havens, Bath, N.Y.:** Vaughn built three or four swivel mounts for fluorescent lights to light up even the darkest cor-



## Electronic Ignition Kits For Older Tractors

"Our new electronic ignition kit for older model tractors allows gas to be burned more efficiently and eliminates the need to change points," says Jim Lee of CBS Performance Automotive, Colorado Springs, Colo.

The "Ignitor" is a bolt-on module that replaces the points in the distributor. A magnetic sleeve slides onto the distributor shaft and onto cam lobes that would normally trigger the points. As the distributor shaft spins, the magnets trigger the module to let it know when to fire.

"It increases the tractor's horsepower by burning a greater percentage of the gas," says Lee. "Points often misfire which causes inefficient burning of the gas and a drop in

power. Our electronic ignition kit, on the other hand, remains at a constant 100 percent of whatever the coil can produce. The magnetic signal penetrates any dust that may be in the gap. The components are completely sealed against moisture, grease, dirt, and oil.

"They allow us to get light right over our work," he says. "I use 10-ft. posts anchored to studs with clamps so posts can swivel 180 degrees. I weld 6 ft. lengths of 2-in. dia. steel pipe to the top of the posts and mount standard 4-ft. long fluorescent shop lights on the end. The lights are wired with individual plugs so they can be used anywhere. They come in real handy and don't cost more than \$35 or \$40 in materials to build, including lights."

**Gordon Rice, Clarion, Pa.:** "We carry the world's largest selection of new replacement parts for older IHC tractors. We stock over 8,000 parts for tractors built between 1921 and '39.

"For example, we stock complete head gasket sets and piston rings for these tractors. We also carry a wide variety of less commonly requested specially-made parts such as paper gaskets and brake cables.

"You can't beat our selection nor our prices."

Contact: FARM SHOW Followup, Rice Equipment Inc., 20 North Sheridan Road, Clarion, Pa. 16214 (ph 814 226-9200; fax 227-9200).

**John C. Porter, Columbia, Tenn.:** "We restore 'paper pulleys' on antique tractors to like new condition. All you do is send us your old pulley and we do the rest.

"Usually, we can do the work in about a week. In most cases we use manufacturer's original drawings. We work with a special dense paper board that we've been using for years.

"Restoring Deere L and M series pulleys is our most common job, followed by Farmall M and H series pulleys. We restore a total of 55 different pulley models.



"Prices range from \$87.50 to \$175 plus S&H.

"We also completely remanufacture pulleys on Farmall M's since we have hubs in stock. Price is \$195."

Contact: FARM SHOW Followup, Paper Pulley Inc., P.O. Box 519, Columbia, Tenn. 38402 (ph 615 388-9099; fax 380-1669).

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## Portable "Workshop" Mounts On Pickup Bumper

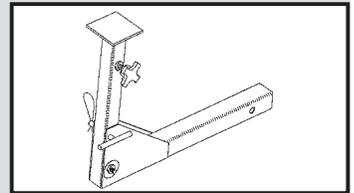
"You can set up a portable mini workshop on any pickup equipped with a square bumper hitch receiver, allowing you to do a variety of jobs right in the field," says Joe Locklear, Locklear Electric, Inc., Wood River, Ill.

The "Hitch It All" consists of a telescoping square steel arm with a flat steel plate on top. The plate has holes in it, allowing you to bolt on a bench vise. Height of the arm can be adjusted. Pull a pin and the unit folds up for storage behind the pickup seat or inside a toolbox.

"It's versatile, adjustable, collapsible, and takes up little room," says Locklear. "It can be used to support pipe vises, chain vises, straight-jawed vises, wire spools, bicycle racks, chop saw stands, power miter saws, camera stands. It can even be bolted to the top of a tailgate. One customer even used it to mount a fish cleaner."

Sells for \$125.

Contact: FARM SHOW Followup, Joe Locklear, Locklear Electric, Inc., 191 N. Old St. Louis Road, Wood River, Ill. 62095 (ph 618 254-3813).



## Winch Lets Him Handle Engines, Cast Iron Flywheels, Other Heavy Parts

After Ray Hosselton installed a new milling machine in his shop, he discovered he needed a way to lift heavy parts up into position for repair.

So the Louisville, Ill., farmer built a boom that swivels 180 degrees - from outside the shop door back directly to the milling machine. He equipped it with a winch - powered by an electric drill - for heavy lifting.

"It's ideal for pulling engines, lifting cast iron flywheels and handling other heavy metal parts," he says.

He built the 12-ft. long boom out of two lengths of 4-in. channel iron welded together back-to-back. The boom, which is 10 ft. high, pivots on a frame made out of 6-in. angle iron that mounts on the door of the shop.

A 2,000-lb. commercial chain winch mounts on a roller bracket Hosselton built to fit the boom. He hooked a 3/8-in. variable speed Makita electric drill to the winch. He took the trigger out of the handle and mounted it on a block of wood that's connected by wires to the drill. The trigger hangs at about



waist height for easy control of the winch.

The drill drives the winch very slowly for safe, heavy lifting, he notes.

"It works perfectly," Hosselton says. "I couldn't be more pleased."

Out-of-pocket expense was less than \$200, including \$60 for the drill and \$40 for the winch.

Contact: FARM SHOW Followup, Ray Hosselton, Ray and Frankie's Machine Shop, R.R. 1, Box 77A, Louisville, Ill. 62858 (ph 618 665-4114).