



Squid self-contained hydraulic kit can be used anywhere you need extra hydraulic power - just hook it up to a 12-volt power supply. It's an easy way to add an auxiliary remote.

## Self-Contained Hydraulic Add-On Kit

Need an extra hydraulic valve on your tractor but don't want to spend a fortune? Adding an auxiliary valve is quick and easy with the Hydraulic Squid from Bucket Solutions.

The new hydraulic add-on kit includes a pump, multi-functional manifold, reservoir and control valves with power up/power down circuit. All that is needed is a 12-volt power supply. A 2-in. bore, 6-in. cylinder is included for mounting as needed.

"It can be used anywhere you need extra hydraulic power, whether on a tractor, skid steer or fork lift," says Ted McSherry, Bucket Solutions. "It is an easy way to add a forward or rear auxiliary remote."

Tractors under 50 hp. are often equipped with only 2 remotes. This makes it difficult and expensive to add a grapple or other attachment.

"I've been given estimates of \$2,500 to \$4,300 to add auxiliary hydraulics to a Kubota tractor," reports McSherry. "The Squid with its cylinder sells for \$995."

The patent pending Squid is not only lower cost, but makes adding auxiliary power easy. McSherry suggests mounting it under the joystick for the loader. Hoses can then be run to wherever the cylinder is needed.

"In an hour or two, you can be ready to go with a grapple, post puller or other attachments requiring a 2,500 psi hydraulic cylinder. Switch out your topline with the cylinder and you've got down pressure on your 3-pt. hitch."

The Squid's 3-liter reservoir provides adequate flow to the 2,900 psi gear pump powered by a 2 hp. 12-volt DC motor. The



Kit comes with a 2-in. bore, 6-in. hydraulic cylinder.

kit also includes a 2-button remote with 2 hydraulic hoses and fittings.

McSherry points out the Squid is also an easy way to add hydraulic power to an ATV or UTV for a powered snow blade, loader, or other attachments.

While currently intended for use with a hydraulic cylinder, McSherry says the company is working on other hydraulic applications.

"We want to have them perfected before we introduce them," he says.

To see the Squid operating a grapple fork, watch the video at [FARMSHOW.com](http://FARMSHOW.com).

Contact: FARM SHOW Followup, Bucket Solutions, 3440 Youngfield St. #403, Wheat Ridge, Colo. 80033 (ph 720 327-4598; toll free 866 992-2333; [www.bucketolutions.com](http://www.bucketolutions.com)).



To keep shovels in place, Dave Roberts attached an upright pin under his truck's bed, then drilled a small hole in his shovels and slips them over the pin.

## Under-Bed Pin Keeps Shovels In Place

by Chuck Marley

Dave Roberts of Sullivan, Missouri doesn't ever worry about not having a shovel handy when he needs it or if he'll lose it while on the road. Dave attached an upright pin under the bed of his truck, then drilled a small hole in his shovels and slips them over the pin. The bed of the truck keeps the shovels from

bouncing off the pin. To use Dave's idea on open farm wagons, you would probably want to drill a hole through the pin and use a hitch pin clip to keep the shovels in place.

Contact: FARM SHOW Followup, Dave Roberts, P.O. Box 602, Sullivan, Mo 63080.



Rain water from Quonset building is collected by an 80-ft. eavestrough that feeds into a sump at end of building. From there it's pumped to a 3,000-gal. holding tank.

## Shed Roof Provides Rainwater For Farm Greenhouse

Well water at the Tourne Sol Cooperative farm in Quebec is too saline to grow healthy seedlings, so Renee Primeau, one of the farm owners, devised a collection system to capture rainwater from a Quonset building roof.

"First she ran 80 ft. of eavestrough along the base of the Quonset to collect all the runoff," says her husband, Reid Allaway. "The water isn't necessarily clean, depending on how often it rains, so a 'first-flush' diverter drains off a small amount of dust and dirt-filled water initially, then the remainder is collected."

The rainwater moves from the trough through a pantyhose filter into a small sump at the end of the building. From there it's lifted with an electric submersible pump to a 3,000-gal. holding tank.

"The whole system was easy to build and we've probably got \$3,000 invested in the troughs, sump, pump and the large opaque tank. The tank feeds a boost pump inside the greenhouse for watering plants."

Allaway built a clever hose trolley inside the greenhouse so workers can easily water plants without dragging a hose across the floor. He suspended a unistrut from the center of the ceiling, then made several trolleys that cradle a 100-ft. garden hose in gentle loops. "The hose deploys and retracts without a hitch or wrinkle so the water pressure is always constant. All we do is oil the trolley once a year and it's been trouble-free, which makes watering anywhere in the 80-ft.



Shop-built trolley brackets cradle water hose inside greenhouse, allowing workers to water plants without having to drag a hose across the floor.



greenhouse a snap."

Contact: FARM SHOW Followup, Tourne-Sol Co-operative Farm, 1025 Chemin St-Dominique, les Cedres, Quebec, Canada J7T 1P5 (ph 450 452-4271; [info@fermetournesol.qc.ca](mailto:info@fermetournesol.qc.ca)).

## Wireless Invisible Dog Fence

A new GPS-based wireless dog fence lets you keep your dog on the farm without having to bury a wire around the perimeter. GPS signals are received by a base unit that sends a signal to the dog's collar to let it know when it is approaching the boundary.

"The system is designed for properties of more than 5 acres," explains Jon Cornwall, Invisible Fence. "While there are no limitations to the maximum size, under 5 acres there are too many fluctuations in GPS signals due to weather, cloud cover, and other factors."

After plotting the outer boundary on a Google map, the Invisible Fence installer walks the property and customizes it to avoid heavy tree cover or metal roofs, anything that might interfere with the GPS signal. A base unit is installed at the highest point of a barn or shed, typically near the center of the property.

"We can then customize the layout within

the boundary with 2 exclusion zones that will keep the pet out of an area such as a garden or livestock pen," says Cornwall.

The collar on the dog tracks where it is compared to the points of latitude and longitude that have been plotted. It also computes the speed and direction it is traveling. If the pet will cross an outer boundary or an exclusion area boundary within 20 sec., the base unit sends out a correction signal to the dog's collar.

GPS 2.0 installation costs vary slightly by dealership, averaging about \$2,999. Cornwall describes it as the Cadillac of pet containment. However, the cost is offset by the ability to set boundaries around large areas. He notes that an in-ground invisible fence can cost \$100 an hour to install.

Contact: FARM SHOW Followup, Invisible Fence, 10427 PetSafe Way, Knoxville, Tenn. 37932 (ph 865 777-5404; [www.invisiblefence.com](http://www.invisiblefence.com)).