

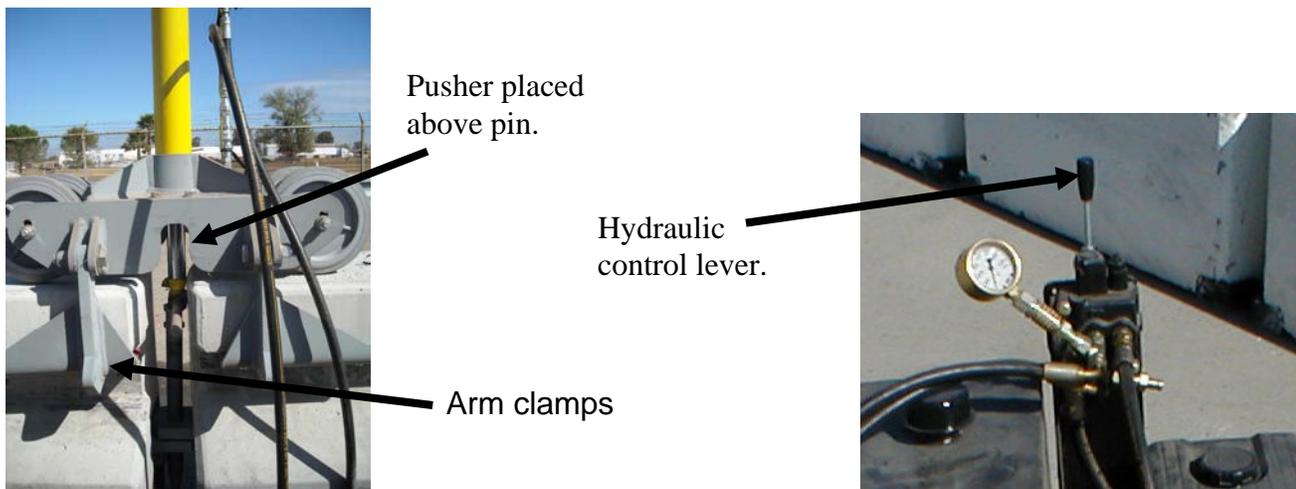
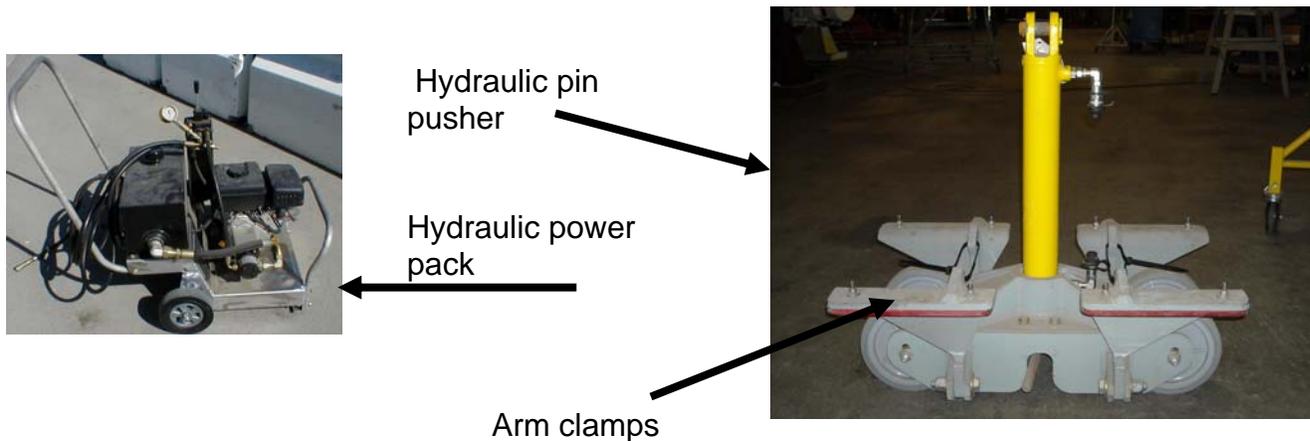
**TECHNICAL
BRIEF**

180 River Road • Rio Vista, CA 94571 • Tel 707-374-6800 • Fax 707-374-6801
Email: info@barriersystemsinc.com • Website: barriersystemsinc.com

HYDRAULIC PIN PUSHER

Reactive Tension barrier has a tight tolerance between the barrier hinge and the barrier pin. To install a barrier pin on reactive tension systems the BSI Hydraulic Pin Pusher (PART# B040638) should be used if more than 2-3 barriers are to be installed or replaced. In an emergency manual tool can be used completely if necessary. On the bottom of the barrier pin there is an e-clip (PART#2000085) that prevents the pin from moving upward out of the hinge. This e-clip must be installed after the pin is in place, see tech brief TB 091015-Rev. 0 for installation procedure.

The photos below show the key parts of the BSI Hydraulic Pin Pusher.



There are two hydraulic hoses attached to the power pack, one has a male fitting and the other has a female fitting. The loose ends of these hoses have quick disconnect fittings. These hoses need to be attached to the pusher after it has been placed on top of the wall.

The pusher is placed on top of the barrier wall. Carefully lower all four arm clamps so they rest under the T-tops of Barrier. Keep fingers and hands out of the gaps between the clamp arms and the barrier head. The clamp pads should be completely inserted under the head.

Place the pusher ram directly over the pin that is to be inserted.

Start the hydraulic power pack engine.

The ram is raised or lowered by pushing or pulling the hydraulic control lever. Lower the pushing ram between the barrier and top of barrier pin. With the hydraulic control lever lower the pushing ram. This will push the pin into the hinge. Once pin is in place install an e-clip onto bottom of pin.

Precautions!

1. The hydraulic system is operates at high pressure; always wear proper safety gear, gloves, glasses...
2. Assure all 4 arms are fully under the head of the barrier before pressuring cylinder on pin.
3. Assure cylinder is lined up correctly with pin and slowly insert pin.
4. If pin will not push in easily, don't force it, step back and verify that everything is properly aligned, use a pry bar if needed to straighten or realign the pin if it is at an improper angle.
5. Keep fingers and hands out of the gap between the barriers and away from any possible pinch points between the arm clamps and the barrier.