# **Usage:**

Light weight, portable hydraulic spreader used mainly for prying doors.

# **Specifications:**

**Spreader Assembly**

* Hydraulic forcible entry tool manufactured of cast stainless steel, designed for inward swinging doors with rabbeted door jamb (but works on various other door configurations)
* Kit includes: manual hydraulic pump, cylinder and jaw assembly, pry bar, mallet,
* Uses Hurst phosphate ester hydraulic fluid (corrosive and non-conductive)
* Opening: 3.5 inches
* Hose length: 6 feet
* Weight: 28 pounds
* 2 stage operations: 200 psi on first stage/10,000 psi on second stage

# **hydraulic hand pump:**

* Dual stage operation: 1st-200psi. 2nd-10,000psi.
* Threaded dump valve
* Connected to the system by a 6’ high pressure (10,000psi) hose
* Uses Hurst phosphate ester hydraulic fluid
  + Corrosive and Non-conductive
* Entire Bag Weight: 28lbs.
* System Weight: 11lbs.

# **other tools:**

* Hammer
* Small Pry Bar

# **operations:**

* Connect the pump to the hose on the spreader assembly
* Close the dump valve
* Create a purchase point
* Insert the jaws and pump the handle
  + When the jaws bite, hole the tool by the hose
* When the throw bolt is clear pry the door with your pry bar or halligan
* Open the dump valve to relieve pressure
* Not designed for auto extrication (per manufacturer)

# **maintenance:**

* Keep pump clean and inspect for dents, burs, or other damage
* Inspect hydraulic hose
* Check fluid level every 10 hours of use (per manufacturer)
* To refill fluid: remove filler plug, tilt puma head down and filler hole up, insert funnel (be sure tool is fully retracted when adding fluid to reservoir to prevent overfilling
* Keep connections clean