

**HUCK**

®

# Product Bulletin

## Model 942 POWERIG<sup>®</sup> Hydraulic Unit Improved Air Meter Spindle Adjustment for Remote Trigger

Engineering changes designed to improve reliability have been incorporated into the Model 942 POWERIG Hydraulic Unit, beginning with Serial Number 0429.

The Air Meter Spindle, P/N 113474, has been improved to provide a greater and more positive range of adjustment. For proper operation, the hydraulic unit requires a precise amount of air flow controlled at the remote tool trigger. Too little, or too much air causes the flow control valving to malfunction. A more gradual change in adjusting air volume to trigger is possible with the new air metering spindle; thereby, increasing hydraulic unit reliability.

The Air Metering Spindle also incorporates a nylon insert in the threaded area to create a positive friction lock.

The new air metering spindle should be installed in all Model 942 Hydraulic Units currently in use.

### Adjusting Air Trigger Procedure:

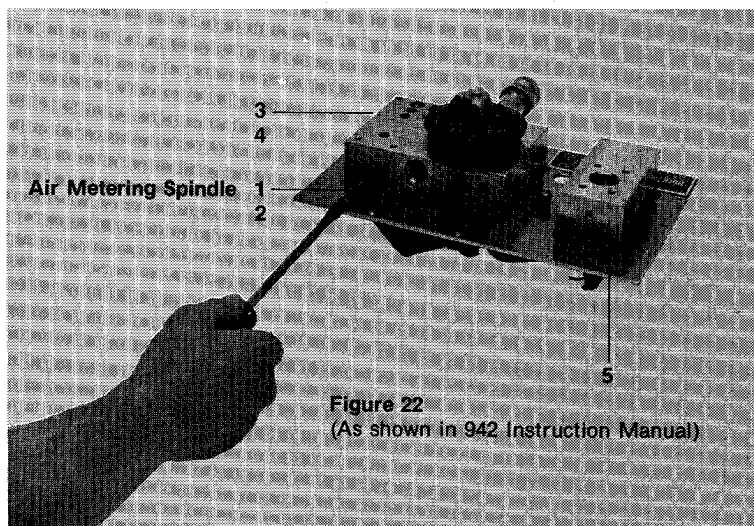
Refer to 942 Instruction Manual for additional information.

1. Connect POWERIG Hydraulic Unit to 90-100 psi air supply.
2. Connect installation tool hydraulic hoses and air control tubing to hydraulic unit. See First Time Use in 942 Instruction Manual.
3. Hold tool trigger depressed and slowly turn IN Spindle (Fig. 22-1) until hydraulic unit starts. Release trigger.

### NOTE

If tool piston returns to forward position and hydraulic unit continues to run, RETURN PRESSURE must be lowered. See adjusting RETURN PRESSURE procedure in 942 Instruction Manual.

4. Tool piston must return to forward position and hydraulic unit must shut off. If tool piston stops in rear position and hydraulic unit shuts off, back out Spindle (Fig. 22-1) slightly. Depress trigger to start hydraulic unit. Release trigger, and if spindle adjustment is correct, tool piston should return to forward position and hydraulic unit should shut off. Continue adjusting as above, in small increments, until piston returns and shuts off.



“See Reverse Side  
For Troubleshooting”

## **Troubleshooting Air Trigger Adjustment Malfunctions—**

Eliminate easiest, and most probable, cause of malfunction first.

1. Pumps will not start.
  - a. Air pressure too low—must be 90-100 psi air supply minimum.
  - b. Clamps on air motor bodies adjusted too tightly—must be able to turn bodies by hand.
  - c. Bend or kink in air control tubing.
  - d. Air filters in air motor clogged—clean or replace.
  - e. Air Metering Spindle (Fig. 22-1) out of adjustment. See Adjusting Air Trigger Procedure in this bulletin and 942 Manual.
  - f. Tool trigger damaged or worn—see applicable Installation Tool Instruction Manual.
  
2. Tool piston moves back but will not return.
  - a. Air Metering Spindle (Fig. 22-1) out of adjustment. See item 4. of Adjusting Air Trigger Procedure in this bulletin.
  - b. Adjust RETURN PRESSURE relief valve. Turn in screw to increase RETURN PRESSURE, see 942 Instruction Manual Adjusting Return Pressure Procedure and WARNING.
  - c. Seals or washer in tool trigger damaged or worn—see applicable Installation Tool Instruction Manual.