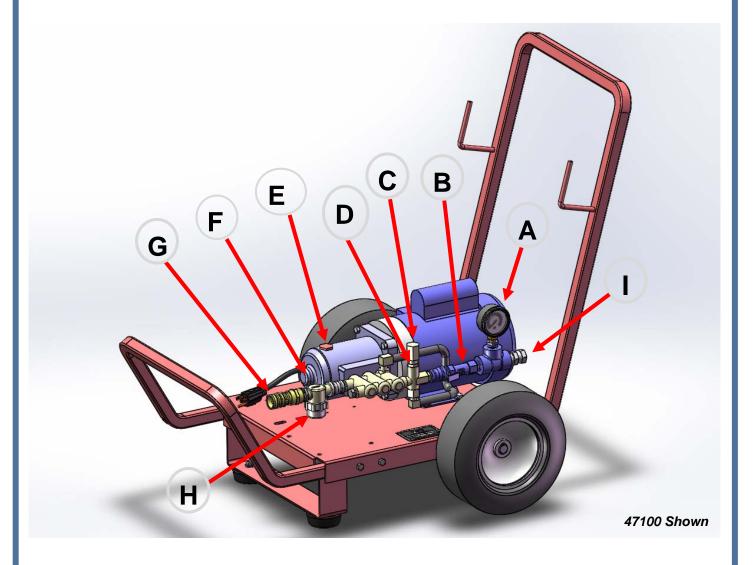


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| 47100                          |   |
|--------------------------------|---|
| DIMENSIONS:                    | 28" (70cm) L x 17" (42.5cm) W x 35" (87.5 cm) H   |
| WEIGHT:                        | 96 lbs. 44 kg   |
| PUMP:                          | Triplex Piston: Positive Displacement Inlet and outlet ports: 3/8" NPT Capacity: 2.2gpm, 7.6lpm Pressure: 1000psi (68 bar) max Operating Speed: 3450rpm Operating Temp.: 160 degree F max |
|                                | Lubrication: Continuous oil bath, 11.83oz Special Cat Pump Oil<br>Shaft Size: 5/8" diameter   |
| MOTOR:                         | 1½hp, 115/220V Electric 60hz  |
| CONTROL:                       | Adjustable pressure relieve valve   |
| GAUGE:                         | Glycerin filled, 0 – 2000psi (136 bar)  |
| DISCHARGE HOSE:<br>INLET HOSE: | 1/2" x 10' (3m), rated 2000psi (136 bar) working pressure 3/4" x 10' (3m) with strainer   |
|                                | 74 X TO (SIII) With strainer  |
| 47101                          | 20% /70> 1 47% /42 5> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\   |
| DIMENSIONS:                    | 28" (70cm) L x 17" (42.5cm) W x 35" (87.5 cm) H   |
| WEIGHT:<br>PUMP:               | 96 lbs. 44 kg  Triplex Piston: Positive Displacement  |
| FOIVIF.                        | Inlet and outlet ports: 3/8" NPT  |
|                                | Capacity: 2.2gpm, 7.6lpm  |
|                                | Pressure: 1000psi (68 bar) max<br>Operating Speed: 3450rpm  |
|                                | Operating Temp.: 160 degree F max   |
|                                | Lubrication: Continuous oil bath, 11.83oz Special Cat Pump Oil  |
|                                | Shaft Size: 5/8" diameter   |
| MOTOR:                         | 220V, 50hz  |
| CONTROL:                       | Adjustable pressure relieve valve   |
| GAUGE:                         | Glycerin filled, 0 – 2000psi (136 bar)  |
| DISCHARGE HOSE:<br>INLET HOSE: | 1/2" x 10' (3m), rated 2000psi (136 bar) working pressure 3/4" x 10' (3m) with strainer   |
|                                | 74 X TO (SIT) WITH STIGITED   |
| DIMENSIONS:                    | 20# (70cm)   v 17# (42 Fcm) W v 25# (07 F cm)   |
| WEIGHT:                        | 28" (70cm) L x 17" (42.5cm) W x 35" (87.5 cm) H<br>96 lbs. 44 kg  |
| PUMP:                          | Triplex Piston: Positive Displacement   |
| TOWN .                         | Inlet and outlet ports: 3/8" NPT  |
|                                | Capacity: 1.1gpm, 3.8lpm<br>Pressure: 0 – 2000psi (140 bar)   |
|                                | Operating Speed: 3450rpm  |
|                                | Operating Temp.: 160 degree F max   |
|                                | Lubrication: Continuous oil bath, 11.83oz Special Cat Pump Oil<br>Shaft Size: 5/8" diameter   |
| MOTOR:                         | 115/220V Electric 60hz  |
| CONTROL:                       | Adjustable pressure relief valve  |
| GAUGE:                         | Glycerin filled, 0 – 3000psi  |
| DISCHARGE HOSE:                | ½" x 10' (3m), rated 2000psi (136 bar) working pressure   |
| INLET HOSE:                    | 34" x 10' (3m) with strainer  |
| 47103                          |   |
| DIMENSIONS:                    | 28" (70cm) L x 17" (42.5cm) W x 35" (87.5 cm) H   |
| WEIGHT:                        | 96 lbs. 44 kg   |
| PUMP:                          | Triplex Piston: Positive Displacement Inlet and outlet ports: 3/8" NPT Capacity: 1.1qm, 5lpm  |
|                                | Pressure: 2000psi (138 bar) max   |
|                                | Operating Speed: 3450rpm  |
|                                | Operating Temp.: 160 degree F max Lubrication: Continuous oil bath, 11.83oz Special Cat Pump Oil Shaft Size: 5/8" diameter  |
|                                | 220V, 50hz  |
| MOTOR:                         | 2207, 30112   |
| CONTROL:                       | Adjustable pressure relieve valve   |
| CONTROL:<br>GAUGE:             | Adjustable pressure relieve valve Glycerin filled, 0 – 2000psi (136 bar)  |
| CONTROL:                       | Adjustable pressure relieve valve   |







| А | Gauge                         |
|---|-------------------------------|
| В | Isolation Valve               |
| С | Pressure Relief Knob          |
| D | Jam Nut                       |
| Е | Oil Cap                       |
| F | Oil Sight Glass               |
| G | Water Inlet Connection        |
| Н | Strainer                      |
| I | High Pressure Hose Connection |



#### Pressure Feed (or Gravity Feed) Method: (Preferred Methods)

- 1. Fill the water line (or test vessel) to be tested prior to pump connection.
- 2. Connect water supply hose to the garden hose inlet connection (G) on the pump.
- 3. Open valve and turn supply water on.
- 4. Purge the pump and pressure hose of all air.
- 5. Connect output (pressure) hose between pump output connection (I) and water line (or vessel) being tested.
- 6. Turn pump on.
- 7. Purge water line (or vessel) of all air at the highest point of the system.
- 8. Bring water line (or vessel) to pressure. Watch the gauge (A) while pumping. When the desired pressure is achieved, turn the isolation valve (B) to the "off" position. The engine can now be turned off. If pressure drops, there is a leak in the line.

#### **Siphon Method**

Use a clean water source



- Fill the intake hose (WR PN #34550 not supplied with pump), with water, then quickly
  place the hose into a bucket and turn pump on. (The unit is self-priming once primed.)
  Continue to pump until you see the water coming out of the outlet, with little or no air
  mixed with it.
- 3. Connect the output hose to the water line. Continue on with steps 6 through 8 in pressure feed method.

#### **Pre-Setting Your Pump**

Your pump can be pre-set to a specific pressure easily by adjusting the pressure relief valve.

- 1. Unscrew (counterclockwise direction) pressure relief valve knob (C) a few turns. Be sure not to unscrew valve knob all the way as internal parts can be easily lost.
- 2. Add a ball valve (not supplied with pump) to the end of the high pressure hose.
- 3. Follow steps 2 through 4 from the 'Pressure Feed Method'.
- 4. As water is flowing out of the high pressure hose, turn the ball valve to the "off" position.
- 5. Slowly start turning pressure relief valve knob (C) (in the clockwise direction) by ½ turn increments, until you reach the desired pressure. Maximum pressure is 1000psi or 2000psi depending on the model. Tighten jam nut (B) to lock pressure relief knob in place.
- 6. Your test pump is now pre-set. This eliminates over-pressurizing the water line (or the vessel).





#### **Troubleshooting Your Pump**

Test pressure not being reached:

- Possible air in line (or vessel)
  - Air needs to be purged from system.
  - Remove pump from system and follow steps 1 thru 6 of the "Pre-Setting Your Pump" section.
  - If using the Siphon Method and not getting pressure, try the 'Pressure Feed' or 'Gravity Feed Method' to ensure water is getting into the pump.
  - Check strainer (H) O-Ring for cracks.
  - Check inlet quick disconnect (G) O-Ring for cracks
- Pressure relief valve not adjusted properly.
  - Turn relief valve counterclockwise and watch for change in pressure.

#### **Pump Maintenance**

- Pump 50/50 antifreeze/water solution through pump after each use to lubricate internal parts of pump and to avoid freezing in cold weather.
- Check strainer O-Ring (H) for cracks prior to each use.
- Check oil level through oil sight glass (F) located on front of pump prior to each use. CAT recommends changing oil after 50 hours of break-in operation. Change oil every 3 (three) months or after 500 hours of use. Pump requires CAT pump crankcase oil (21oz container), Wheeler Rex PN 276254. Add oil through pump crankcase cap (E).
- Suction Hose Wheeler Rex PN 34550

#### CAUTION !!! This pump is designed for water only!!

The pump is equipped with an adjustable pressure relief valve (C), which helps protect the system from being over pressurized. It can be preset by plugging the end of the hose. Turn the adjusting knob clockwise to increase pressure and counterclockwise to decrease.



# WHEELER-REX LIMITED LIFETIME WARRANTY

Warranties from manufacturers of components used in our products prepaid transportation. Such replacement or repair is the exclusive WHEELER-REX covers its products with a Limited Lifetime Warranty, with exception of pipe threading machines which may pre-empt the Wheeler-Rex warranty. Wheeler-Rex warranties against defects in material or workmanship. To take viously, failures due to misuse, abuse, or normal wear and RANTY, WRITTEN, OR ORAL, APPLIES. THERE ARE NO TION ON THE FACE HEREOF. No employee, agent, dealer, or other person is authorized to give any warranty on behalf of Wheeler-Rex. Warranted products will be repaired or replaced at our option, at no charge and returned to you via remedy available from Wheeler-Rex. Wheeler-Rex is not liable tial damages. Some U.S.A. states do not allow the exclusion or limitation of incidental or consequential damages, so the advantage of this warranty, the complete product must be de-THORIZED SERVICE CENTER. No tools are to be returned to the factory without receiving prior authorization. Obtear are not covered by this warranty. NO OTHER WAR-WARRANTIES WHICH EXTEND BEYOND THE DESCRIPfor damage of any sort, including incidental and consequenabove limitation or exclusion may not apply. This warranty gives you specific legal rights, and you may also have other have a Limited Three Year Warranty (including electric motors). livered prepaid to Wheeler-Rex or any WHEELER-REX AUrights which vary from state to state.

Form # 1031

## WARNING =

# GENERAL TOOL OPERATION WARNINGS

### OR ALL TOOLS.

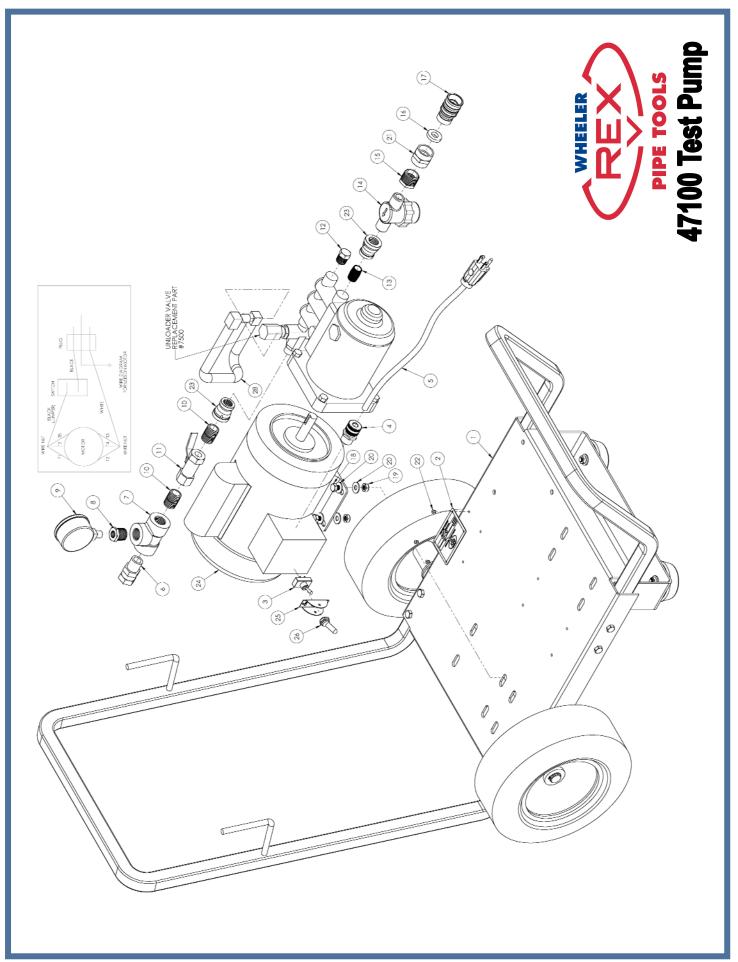
- 1. Keep Guards in Place and in working order.
- 2. Remove Adjusting Keys and Wrenches from tool before turning it on.
- 3. Keep Work Area Clean. Cluttered areas and benches invite
- Avoid Dangerous Environment. Don't use power tools in damp or wet
  locations. Keep work area well lit. Don't expose power tools to rain.
   If you must use an electric tool in a damp or wet location;
  make sure it is plugged into a circuit which is protected by a ground
- Keep Children Away. ALL VISITORS SHOULD BE KEPT A SAFE DISTANCE FROM WORK AREA.
- 7. Store Idle Tools in dry, high, or locked-up place out of reach of chil-
- Don't Force Tool. It will do a better and safer job at the rate for which it is designed.
- Use Right Tool. Don't force a small tool or attachment to do the job of a heavy-duty tool.
   Wear Proper Apparel. No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when
- Use Safety Glasses.

working outdoors.

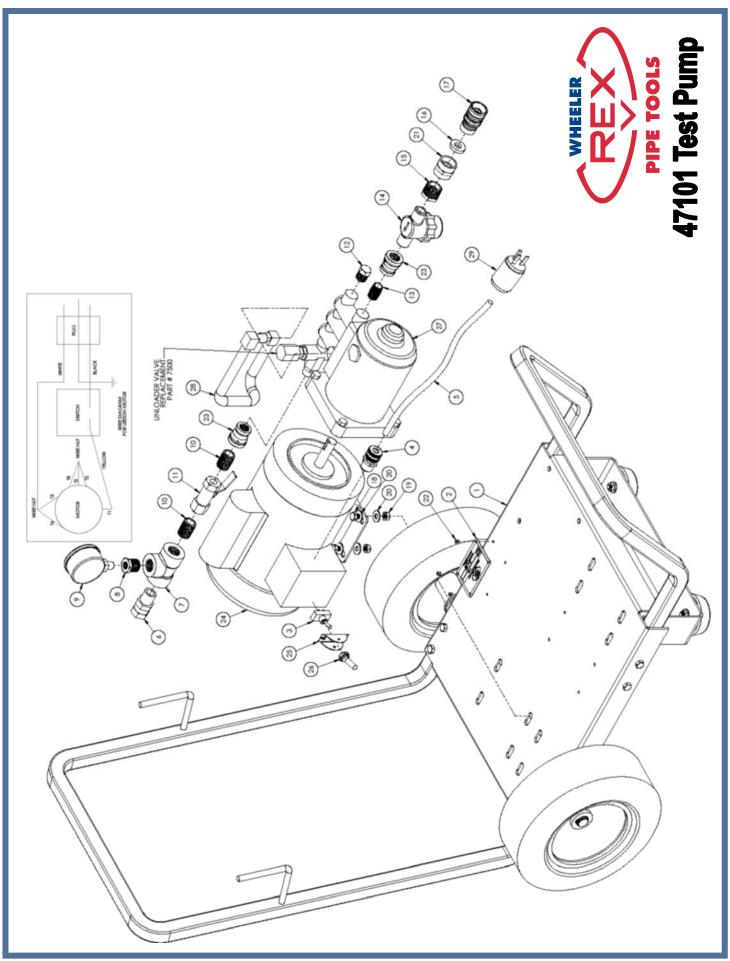
- 12. Don't Abuse Cord. Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
  13. Secure Work. Use clamps or vise to hold work when practical. It's
  - Safer than using your hand and it frees both hands to operate tool.

    4. Don't Overseach Keen proper footing and halance at all times
- Don't Overreach. Keep proper footing and balance at all times.
   Maintain Tools Properly. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing
- accessories. Equipment operators must have proper maintenance & instruction sheets. Be sure the tool operator reads and understands this information. If you don't have current maintenance and instruction sheets, contact the factory & we will supply them at no charge. Disconnect Tools when not in user before servicing.
- Disconnect Tools when not in use; before servicing; when changing accessories such as dies, cutters, etc.
- 17. Avoid Accidental Starting. Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.
- 18. Outdoor Use Extension Cords. When tool is used outdoors, use only extension cords suitable for use outdoors and so marked.

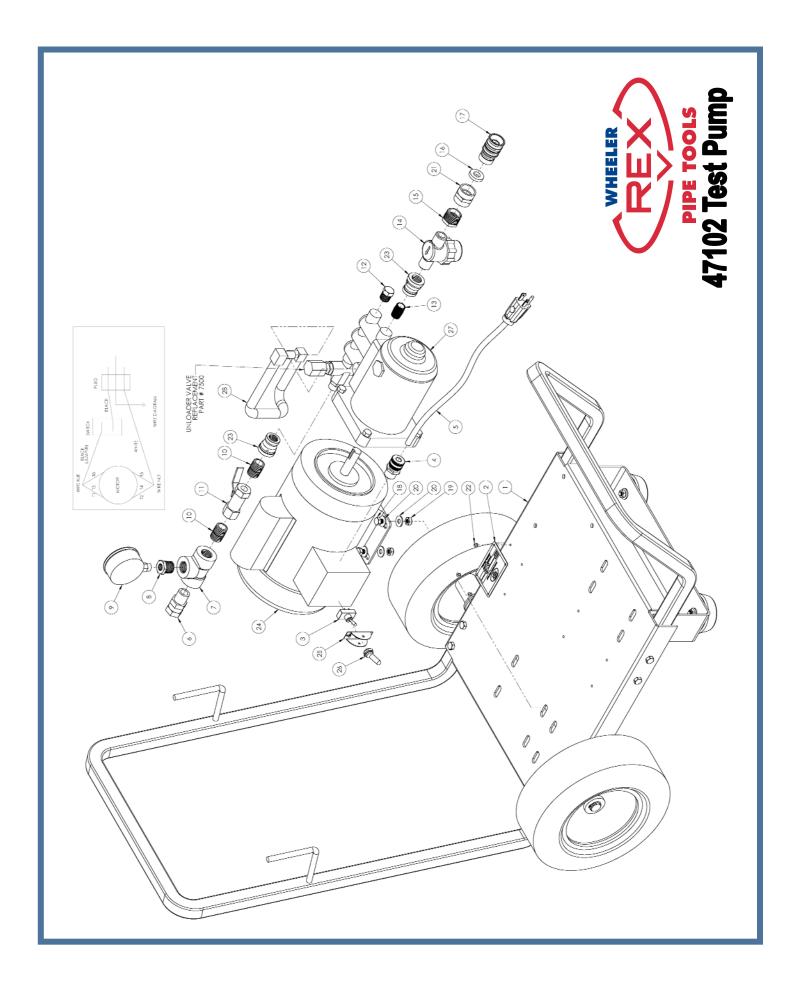
  19. Wear Ear Protection if exposed to long periods of very noisy shop
- 20. Do not operate tools while under the influence of alcohol, drugs or medication



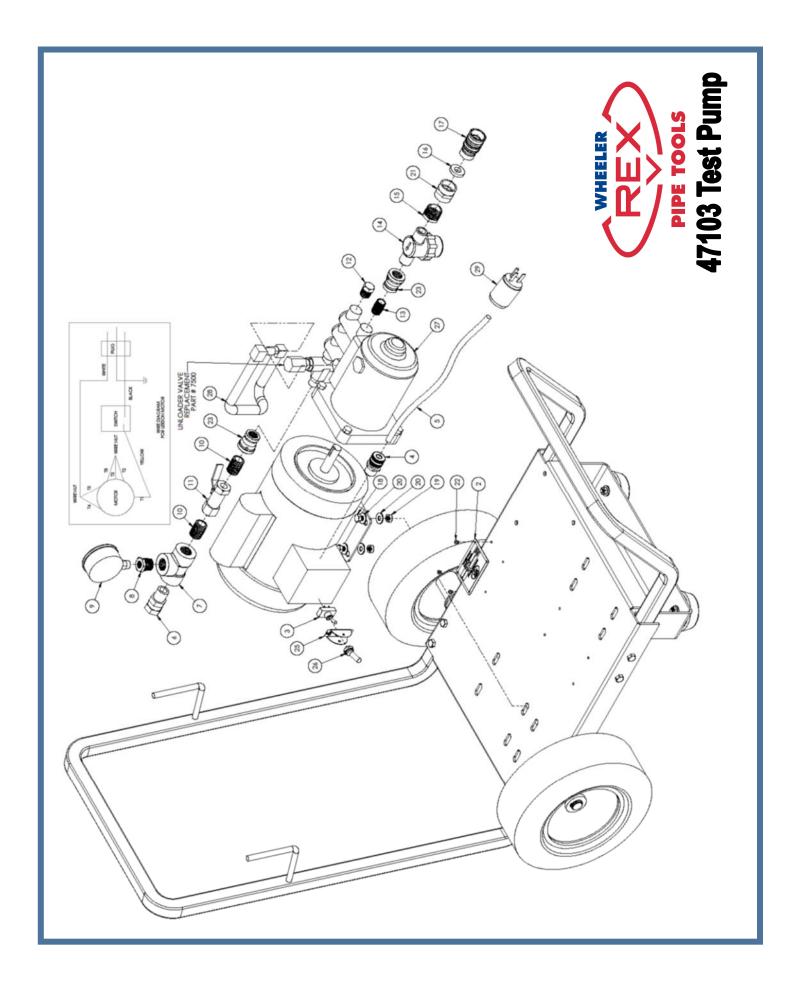
|      |         | 47100 Test Pump Parts                 |     |
|------|---------|---------------------------------------|-----|
| Item | Part No | Description                           | Qty |
| 1    | 700136  | PUMP CART                             | 1   |
| 2    | 220874  | NAME PLATE                            | 1   |
| 3    | 276143  | SWITCH                                | 1   |
| 4    | 275716  | CORD CONNECTOR                        | 1   |
| 5    | 221389  | CORD SET                              | 1   |
| 6    | 275689  | 1/2 NPT X 1/2 SWIVEL ADAPTER          | 1   |
| 7    | 275667  | 1/2" 2000lb FS SCRD TEE               | 1   |
| 8    | 275670  | 1/2 X 1/4 FS SCRD HX BUSH             | 1   |
| 9    | 275676  | GAUGE, 2000psi                        | 1   |
| 10   | 275669  | 1/2 X CLOSE PIPE NIPPLE               | 2   |
| 11   | 275675  | 1/2" VALVE                            | 1   |
| 12   | 275768  | 3/8" HEX HEAD PLUG                    | 1   |
| 13   | 275866  | 3/8 CLOSE STEEL NIPPLE                | 1   |
| 14   | 276420  | STRAINER ASSEMBLY                     | 1   |
| 15   | 275647  | 3/4" NPT X 1/2" NPT BUSHING           | 1   |
| 16   | 275941  | HOSE WASHER                           | 1   |
| 17   | 276099  | 3/4" HOSE QUICK DISCONNECT            | 1   |
| 18   | 166     | 5/16-18 X 3/4 HEX HEAD CAP SCREW      | 4   |
| 19   | 275857  | 5/18-18 HEX NYLON INSERT LOCKNUT      | 4   |
| 20   | 275685  | 5/16" FLAT WASHER                     | 8   |
| 21   | 275874  | 3/4" FH X 3/4" FP ADAPTER             | 1   |
| 22   | 275543  | POP RIVER, STAR 4-2AAD                | 4   |
| 23   | 275668  | 1/2" NPT TO 3/8" NPT REDUCER COUPLING | 2   |
| 24   | 275858  | MOTOR, 1.5hp                          | 1   |
| 25   | 276362  | SWITCH GUARD                          | 1   |
| 26   | 276363  | SWITCH BOOT                           | 1   |
| 27   | 275738  | TRIPLEX PLUNGER PUMP                  | 1   |
| 28   | 275915  | BYPASS HOSE                           | 1   |
| 29   | 220577  | HOSE ASSEMBLY **NOT SHOWN**           | 1   |
| 30   | 276784  | TERMINAL **NOT SHOWN**                | 1   |
| 31   | 275782  | TERMINAL **NOT SHOWN**                | 1   |
| 32   | 276601  | WIRE NUT **NOT SHOWN**                | 2   |
| 33   | 34550   | SUCTION HOSE **NOT SHOWN**            | 1   |
| 34   | 275718  | SEALING LOCK NUT **NOT SHOWN**        | 1   |



|      |         | 47101 Test Pump Parts             |     |
|------|---------|-----------------------------------|-----|
| Item | Part No | Description                       | Qty |
| 1    | 700136  | PUMP CART                         | 1   |
| 2    | 220874  | NAME PLATE                        | 1   |
| 3    | 276679  | SWITCH                            | 1   |
| 4    | 275716  | CORD CONNECTOR                    | 1   |
| 5    | 221389  | CORD SET                          | 1   |
| 6    | 275689  | 1/2 NPT x 1/2 SWIVEL ADAPTER      | 1   |
| 7    | 275667  | 1/2" 2000LB FS SCRD TEE           | 1   |
| 8    | 275670  | 1/2 x 1/4 FS SCRD HX BUSH         | 1   |
| 9    | 275676  | GAUGE-2000 PSI                    | 1   |
| 10   | 275669  | 1/2 x CLOSE PIPE NIPPLE           | 2   |
| 11   | 275675  | 1/2" VALVE                        | 1   |
| 12   | 275768  | 3/8" HEX HEAD PLUG                | 1   |
| 13   | 275866  | 3/8 CLOSE STEEL NIPPLE            | 1   |
| 14   | 276420  | STRAINER ASSEMBLY                 | 1   |
| 15   | 275647  | 3/4" NPT x 1/2" NPT BUSHING       | 1   |
| 16   | 275941  | HOSE WASHER                       | 1   |
| 17   | 276099  | 3/4" HOSE QUICK DISCONNECT        | 1   |
| 18   | 166     | 5/16-18 x 3/4 HEX HEAD CAP SCREW  | 4   |
| 19   | 275857  | 5/16-18 HEX NYLON INSERT LOCKNUTS | 4   |
| 20   | 275685  | 5/16" FLAT WASHER                 | 8   |
| 21   | 275874  | 3/4" FH x 3/4" FP ADAPTER         | 1   |
| 22   | 275543  | POP RIVET, STAR 4-2AAD            | 4   |
| 23   | 275668  | 1/2"NPT TO 3/8" NPT REDUCER CPLG  | 2   |
| 24   | 276670  | MOTOR                             | 1   |
| 25   | 276362  | SWITCH GUARD                      | 1   |
| 26   | 276363  | SWITCH BOOT                       | 1   |
| 27   | 275738  | TRIPLEX PLUNGER PUMP              | 1   |
| 28   | 275915  | BYPASS HOSE                       | 1   |
| 29   | 275661  | PLUG, 220V                        | 1   |
| 30   | 275718  | SEALING LOCK NUT ***NOT SHOWN***  | 1   |
| 31   | 220577  | HOSE ASSY ***NOT SHOWN***         | 1   |
| 32   | 276784  | TERMINAL ***NOT SHOWN***          | 1   |
| 33   | 275782  | TERMINAL ***NOT SHOWN***          | 1   |
| 34   | 276601  | WIRE NUT ***NOT SHOWN***          | 2   |
| 35   | 34550   | SUCTION HOSE ***NOT SHOWN***      | 1   |



|      |         | 47102 Test Pump                       |     |
|------|---------|---------------------------------------|-----|
| Item | Part No | Description                           | Qty |
| 1    | 700136  | PUMP CART                             | 1   |
| 2    | 220874  | NAME PLATE                            | 1   |
| 3    | 276679  | SWITCH                                | 1   |
| 4    | 275716  | CORD CONNECTOR                        | 1   |
| 5    | 221389  | CORD SET                              | 1   |
| 6    | 275689  | 1/2 NPT X 1/2 SWIVEL ADAPTER          | 1   |
| 7    | 276469  | 1/2" 3000lb FS SCRD TEE               | 1   |
| 8    | 275670  | 1/2 X 1/4 FS SCRD HX BUSH             | 1   |
| 9    | 276321  | GAUGE, 0-3000psi                      | 1   |
| 10   | 275669  | 1/2 X CLOSE PIPE NIPPLE               | 2   |
| 11   | 276320  | 1/2" VALVE                            | 1   |
| 12   | 275768  | 3/8" HEX HEAD PLUG                    | 1   |
| 13   | 275866  | 3/8 CLOSE STEEL NIPPLE                | 1   |
| 14   | 276420  | STRAINER ASSEMBLY                     | 1   |
| 15   | 275647  | 3/4" NPT X 1/2" NPT BUSHING           | 1   |
| 16   | 275941  | HOSE WASHER                           | 1   |
| 17   | 276099  | 3/4" HOSE QUICK DISCONNECT            | 1   |
| 18   | 166     | 5/16-18 X 3/4 HEX HEAD CAP SCREW      | 4   |
| 19   | 275857  | 5/18-18 HEX NYLON INSERT LOCKNUT      | 4   |
| 20   | 275685  | 5/16" FLAT WASHER                     | 8   |
| 21   | 275874  | 3/4" FH X 3/4" FP ADAPTER             | 1   |
| 22   | 275543  | POP RIVER, STAR 4-2AAD                | 4   |
| 23   | 275668  | 1/2" NPT TO 3/8" NPT REDUCER COUPLING | 2   |
| 24   | 275858  | MOTOR                                 | 1   |
| 25   | 276362  | SWITCH GUARD                          | 1   |
| 26   | 276363  | SWITCH BOOT                           | 1   |
| 27   | 276772  | TRIPLEX PLUNGER PUMP                  | 1   |
| 28   | 275915  | BYPASS HOSE                           | 1   |
| 29   | 275718  | SEALING LOCKNUT **NOT SHOWN**         | 1   |
| 30   | 220577  | HOSE ASSEMBLY **NOT SHOWN**           | 1   |
| 31   | 276784  | TERMINAL **NOT SHOWN**                | 1   |
| 32   | 275782  | TERMINAL **NOT SHOWN**                | 1   |
| 33   | 276601  | WIRE NUT **NOT SHOWN**                | 2   |
| 34   | 34550   | SUCTION HOSE **NOT SHOWN**            | 1   |



|      |         | 47103 Test Pump Parts             |     |
|------|---------|-----------------------------------|-----|
| Item | Part No | Description                       | Qty |
| 1    | 700136  | PUMP CART                         | 1   |
| 2    | 220874  | NAME PLATE                        | 1   |
| 3    | 276679  | SWITCH                            | 1   |
| 4    | 275716  | CORD CONNECTOR                    | 1   |
| 5    | 221389  | CORD SET                          | 1   |
| 6    | 275689  | 1/2 NPT x 1/2 SWIVEL ADAPTER      | 1   |
| 7    | 275667  | 1/2" 2000LB FS SCRD TEE           | 1   |
| 8    | 275670  | 1/2 x 1/4 FS SCRD HX BUSH         | 1   |
| 9    | 276321  | GAGE 0-3000 PSI                   | 1   |
| 10   | 275669  | 1/2 x CLOSE PIPE NIPPLE           | 2   |
| 11   | 276320  | 1/2" VALVE                        | 1   |
| 12   | 275768  | 3/8" HEX HEAD PLUG                | 1   |
| 13   | 275866  | 3/8 CLOSE STEEL NIPPLE            | 1   |
| 14   | 276420  | STRAINER ASSEMBLY                 | 1   |
| 15   | 275647  | 3/4" NPT x 1/2" NPT BUSHING       | 1   |
| 16   | 275941  | HOSE WASHER                       | 1   |
| 17   | 276099  | 3/4" HOSE QUICK DISCONNECT        | 1   |
| 18   | 166     | 5/16-18 x 3/4 HEX HEAD CAP SCREW  | 4   |
| 19   | 275857  | 5/16-18 HEX NYLON INSERT LOCKNUTS | 4   |
| 20   | 275685  | 5/16" FLAT WASHER                 | 8   |
| 21   | 275874  | 3/4" FH x 3/4" FP ADAPTER         | 1   |
| 22   | 275543  | POP RIVET, STAR 4-2AAD            | 4   |
| 23   | 275668  | 1/2"NPT TO 3/8" NPT REDUCER CPLG  | 2   |
| 24   | 276670  | MOTOR                             | 1   |
| 25   | 276362  | SWITCH GUARD                      | 1   |
| 26   | 276363  | SWITCH BOOT                       | 1   |
| 27   | 276772  | TRIPLEX PLUNGER PUMP              | 1   |
| 28   | 275915  | BYPASS HOSE                       | 1   |
| 29   | 275661  | PLUG, 220V                        | 1   |
| 30   | 275718  | SEALING LOCK NUT ***NOT SHOWN***  | 1   |
| 31   | 220577  | HOSE ASSY ***NOT SHOWN***         | 1   |
| 32   | 275471  | TERMINAL ***NOT SHOWN***          | 1   |
| 33   | 275782  | TERMINAL ***NOT SHOWN***          | 1   |
| 34   | 276601  | WIRE NUT ***NOT SHOWN***          | 2   |
| 35   | 34550   | SUCTION HOSE ***NOT SHOWN***      | 1   |



Wheeler Rex • 3744 Jefferson Road • Ashtabula, Ohio 44005 Tel: 800-321-7950 or 440-998-2788 • Fax: 440-992-2925 wheeler@wheelerrex.com • www.wheelerrex.com