

46501	
DIMENSIONS:	28" (71cm) L x 24" (60cm) W x 35" (87.5cm) H
WEIGHT:	136 lbs. 62 kg
PUMP:	Triple Diaphragm: Positive Displacement
	Ports: 1" inlet ; 3/4" NPT outlet
	Capacity: 10gpm, 38lpm
	Pressure: 0-500psi
	Operating Speed: 550rpm
	Lubrication: Pump 30W Udor Lube 20 ounces (276865)
	Gear 80/90W Gear Oil
	Shaft Size: 1" Female
ENGINE:	6.5hp Briggs & Stratton Intek Pro, 4 cycle, gasoline
CONTROL:	0 – 500psi adjustable pressure relief valve
GAUGE:	Glycerin filled, 0 – 600psi, 0-42kg
DISCHARGE HOSE:	3/4" x 10' (3m) 1000psi rated
INLET HOSE:	3/4" x 10' (3m) with strainer

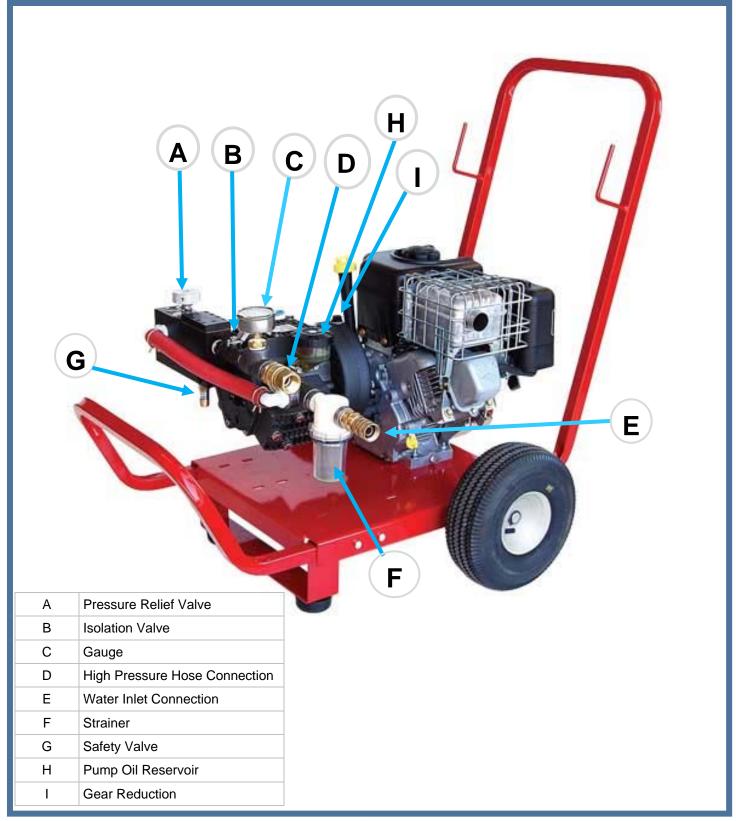
465010	
DIMENSIONS:	28" (71cm) L x 24" (60cm) W x 35" (87.5cm) H
WEIGHT:	136 lbs. packed, 62 kg
PUMP:	Triple Diaphragm: Positive Displacement
	Ports: 1" inlet ; 3/4" NPT outlet
	Capacity: 10gpm, 38lpm
	Pressure: 0-500psi
	Operating Speed: 550rpm
	Lubrication: Pump 30W Udor Lube 20 ounces (276865)
	Gear 80/90W Gear Oil
	Shaft Size: 1" Female
ENGINE:	Honda 5.5hp, 4 cycle, gasoline
CONTROL:	0 – 500psi adjustable pressure relief
GAUGE:	Glycerin filled, 0 – 600psi, 0-42kg
DISCHARGE HOSE:	<sup>3</sup> / <sub>4</sub> " x 10' (3m) 1000psi rated
INLET HOSE:	3/4" x 10' (3m) with strainer



46503	
DIMENSIONS:	28" (71cm) L x 20" (51cm) W x 19.5" (49.5cm) H
WEIGHT:	111 lbs. 50.5 kg
PUMP:	Triple Diaphragm: Positive Displacement
	Ports: 1" inlet ; 3/4" NPT outlet
	Capacity: 10gpm, 38lpm
	Pressure: 0-500psi
	Operating Speed: 550rpm
	Lubrication: Pump 30W Udor Lube 20 ounces (276865)
	Gear 80/90W Gear Oil
	Shaft Size: 1"
ENGINE:	6.5hp Briggs & Stratton Intek Pro, 4 cycle, gasoline
CONTROL:	0 – 500psi adjustable pressure relief valve
GAUGE:	Glycerin filled, 0 – 600psi, 0-42kg
DISCHARGE HOSE:	3/4" x 10' (3m) 1000psi rated
INLET HOSE:	3/4" x 10' (3m) with strainer

465030	
DIMENSIONS:	28" (71cm) L x 24" (51cm) W x 35" (49.5cm) H
WEIGHT:	111 lbs. 50.5 kg
PUMP:	Triple Diaphragm: Positive Displacement
	Ports: 1" inlet ; ¾" NPT outlet
	Capacity: 10gpm, 38lpm
	Pressure: 0-500psi
	Operating Speed: 550rpm
	Lubrication: Pump 30W Udor Lube 20 ounces (276865)
	Gear 80/90W Gear Oil
	Shaft Size: 1"
ENGINE:	Honda 5.5hp, 4 cycle, gasoline
CONTROL:	0 – 500psi adjustable pressure relief
GAUGE:	Glycerin filled, 0 – 600psi, 0-42kg
DISCHARGE HOSE:	<sup>3</sup> / <sub>4</sub> " x 10' (3m) 1000psi rated
INLET HOSE:	3/4" x 10' (3m) with strainer







### **Gravity Feed: (Preferred Method)**

This method requires a tank with a water outlet at the bottom. The water tank's outlet should be level with or above the level of the water inlet connection on the pump. This allows water to flow naturally into the test pump. Connecting a pressure fed water line is harmful to the diaphragms in the pump.

- 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 (E) on the pump.
- 3. Open valve and turn water supply on.
- 4. Purge the pump and pressure hose of all air.
- 5. Connect output (pressure) hose connection (D) between pump 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 (C) 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

- 1. Fill the water line to be tested.
- 2. Fill the intake hose with water, then quickly place the hose into a bucket and turn pump on. (Unit is self-priming once primed). Continue to run pump until you see the water coming out of the outlet hose, 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 Gravity 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 (A) until it stops. Your pump will now be at 0 (zero) psi.
- 2. Add a ball valve (not supplied with pump) to the end of the high pressure hose.
- Follow steps 2 through 4 from the 'Gravity 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 (A) in the clockwise direction by ¼ turn increments, until you reach the desired pressure. When the knob is turned in all the way, the maximum pressure is achieved (500psi).
- 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 through 6 of the "Pre-setting Your Pump" section.
  - If using the Siphon Method and not getting pressure, try the "Gravity Feed Method' to ensure water is getting into the pump.
  - Check strainer (F) O-Ring for cracks.
- Oil Reservoir is milky in color
  - Diaphragm is cracked, causing water to mix with oil. Diaphragm needs replaced.
- · Pressure relief valve not adjusted properly.

### **Pump Maintenance**

- Pump 50/50 antifreeze/water solution through pump after each use to avoid freezing and to lubricate pump.
- Check strainer (F) O-Ring for cracks prior to each use.
- Check and change engine oil per manufacturers specifications.
- Gear reduction Gear Lube. Check and change per manufacturers specifications.
- Pump repair kit (Wheeler Rex PN 36345)
- Suction Hose (Wheeler Rex PN 34550)
- Pump Oil Reservoir Check and change per manufacturers specs.
   Use Wheeler #276865 Udor Lube 1 quart container

### **Safety Valve**

Safety valve is designed to "pop off" or bleed off any extra pressure.

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

The pump is equipped with an adjustable pressure relief valve (A), 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

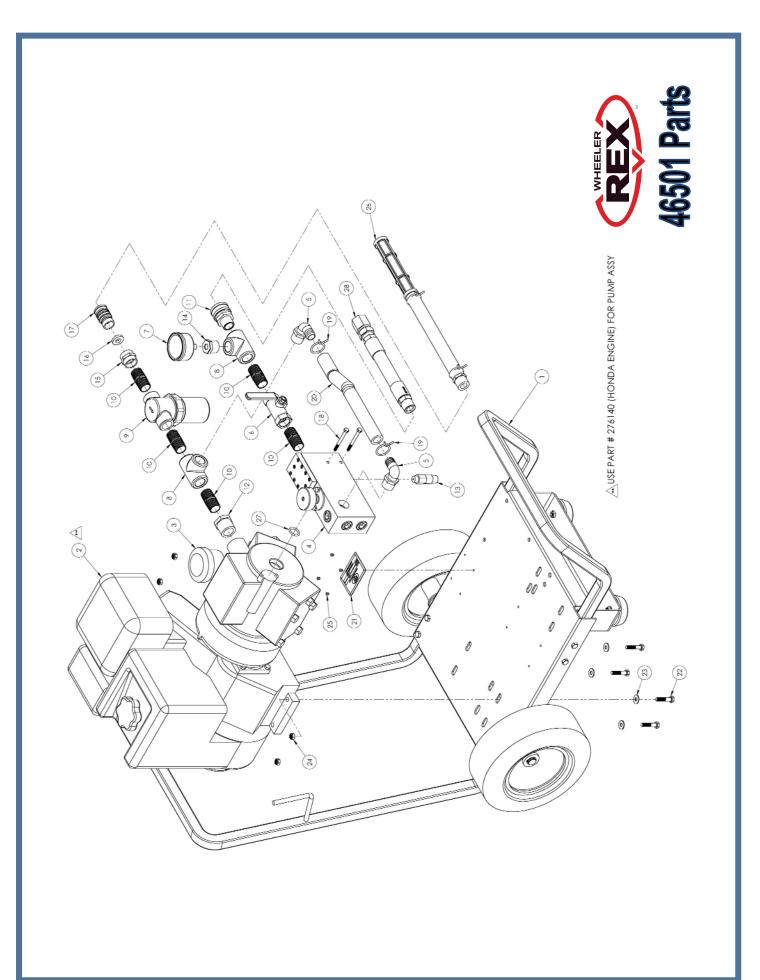
WHEELER-REX covers its products with a Limited Lifetime Warranty, with exception of pipe threading machines which Warranties from manufacturers of components used in our products may pre-empt the Wheeler-Rex warranty. Wheeler-Rex waranties against defects in material or workmanship. To take viously,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

Form # 1031

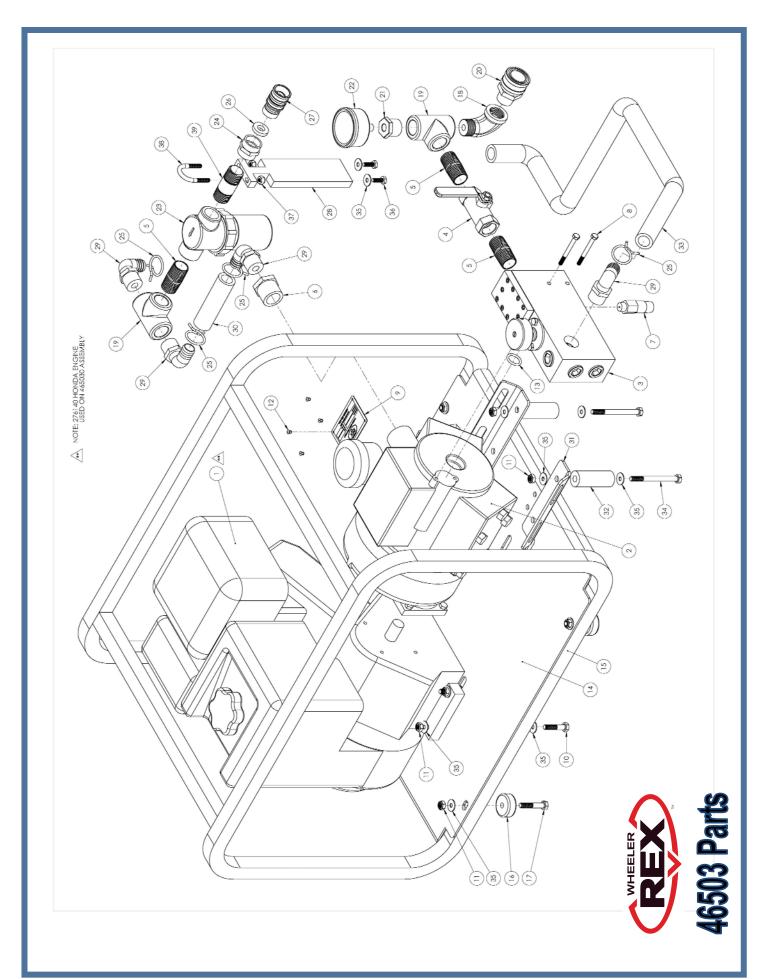
## WARNING WAR

# GENERAL TOOL OPERATION WARNINGS

- Keep Guards in Place and in working order.
   Remove Adjusting Keys and Wrenches from tool before turning it on. 3. Keep Work Area Clean. Cluttered areas and benches invite
- 4. 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. make sure it is plugged into a circuit which is protected by a ground If you must use an electric tool in a damp or wet location;
- Keep Children Away. ALL VISITORS SHOULD BE KEPT A SAFE DISTANCE FROM WORK AREA
  - Store Idle Tools in dry, high, or locked-up place out of reach of chil-
- 8. Don't Force Tool. It will do a better and safer job at the rate for which it is designed.
- 9. 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 working outdoors.
- Use Safety Glasses.
- Secure Work. Use clamps or vise to hold work when practical. It's 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.
  - Don't Overreach. Keep proper footing and balance at all times. safer than using your hand and it frees both hands to operate tool.
- instruction sheets. Be sure the tool operator reads and understands safest performance. Follow instructions for lubricating and changing tion sheets, contact the factory & we will supply them at no charge. this information. If you don't have current maintenance and instrucaccessories. Equipment operators must have proper maintenance & Maintain Tools Properly. Keep tools sharp and clean for best and
- 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.
- Wear Ear Protection if exposed to long periods of very noisy shop
  - Do not operate tools while under the influence of alcohol, drugs or

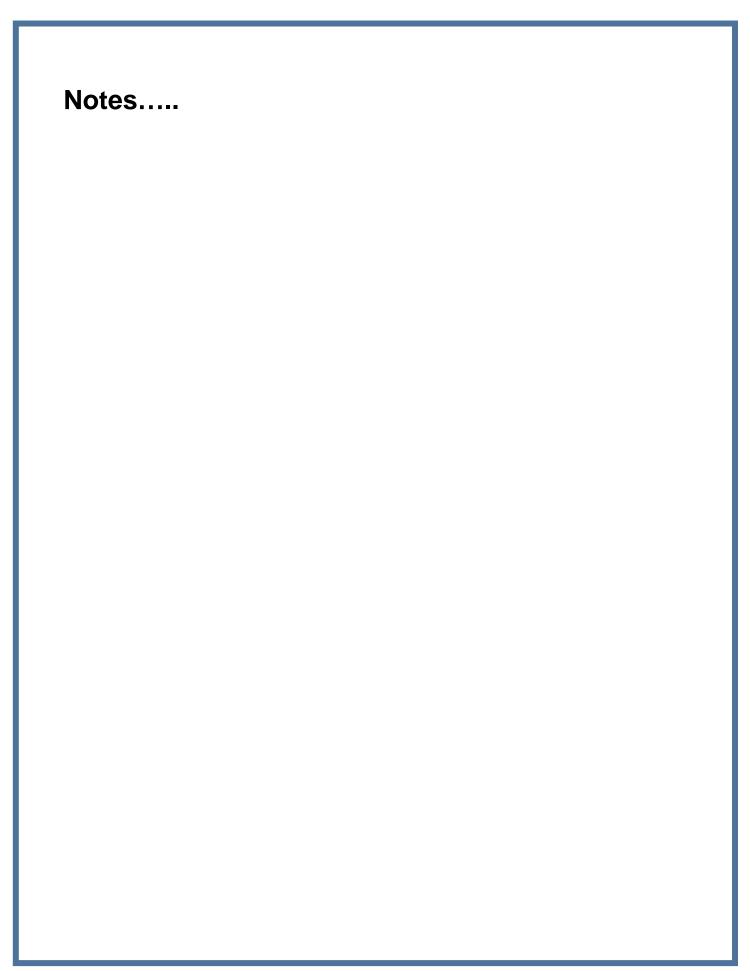


Item	Part No	Description	Qty
1	700136	PUMP CART	1
2	275684	6.5 HP BRIGGS & STRATTON ENGINE	1
3	276908	KAPPA 43 TIPPLE DIAPHRAM PUMP	1
4	700896	MANIFOLD ASSEMBLY	1
5	276116	3/4 MP x 3/4 MH 90 DEG HOSE BARB	2
6	277343	3/4" BALL VALVE	1
7	36359	0-600 PSI GAUGE	1
8	275644	3/4" TEE	2
9	275932	STRAINER, HYPRO 3350-0040P	1
10	276102	3/4" BRASS CLOSE NIPPLE	5
11	276100	PH QD FEM HLF BST-6M	1
12	276103	1" x 3/4" HEX REDUCER BUSHING	1
13	275950	SAFETY VALVE, CAT 30960	1
14	276108	3/4" x 1/4" BRASS REDUCER BUSHING	1
15	275874	3/4" FH x 3/4" FP ADAPTER	1
16	275941	HOSE WASHER	1
17	276099	3/4" HOSE QUICK DISCONNECT	1
18	276109	M6 x 60MM HEX HEAD CAP SCREW	2
19	276105	HOSE CLAMP, 1 1/8" OD RC HC-18S	2
20	701126	BY-PASS HOSE	1
21	220874	NAME PLATE	1
22	275638	5/16 x 1 1/2" HEX HEAD CAP SCREW	4
23	275685	5/16" FLAT WASHER	4
24	275857	5/16-18 HEX NYLON INSERT LOCKNUTS	4
25	275543	POP RIVET, STAR 4-2AAD	4
26	34550	INTAKE HOSE	1
27	276111	O-RING	1
28	221065	HOSE ASSEMBLY, 1000 PSI	1



Item	Part No	Description 46503 / 465030 Parts	Qty
1	275684	6.5 HP BRIGGS & STRATTON ENGINE 276140 HONDA ENGINE	1
2	276908	KAPPA 43 TIPPLE DIAPHRAM PUMP	1
3	700896	MANIFOLD ASSEMBLY	1
4	277343	3/4" BALL VALVE	1
5	276102	3/4" BRASS CLOSE NIPPLE	3
6	276103	1" x 3/4" HEX REDUCER BUSHING	1
7	275950	SAFETY VALVE, CAT 30960	1
8	276109	M6 x 60MM HEX HEAD CAP SCREW	2
9	220874	NAME PLATE	1
10	275638	5/16 x 1 1/2" HEX HEAD CAP SCREW	4
11	275857	5/16-18 HEX NYLON INSERT LOCKNUTS	10
12	275543	POP RIVET, STAR 4-2AAD	4
13	276111	O-RING	1
14	701548	BASE PLATE (COMET)	1
15	701549	ROLL CAGE (XL)	1
16	276443	RUBBER FOOT	4
17	275639	5/16-18 x 1 3/4" HHCS	4
18	275643	3/4" STREET ELBOW	1
19	275644	3/4" TEE	2
20	276100	PH QD FEM HLF BST-6M	1
21	276108	3/4" x 1/4" BRASS REDUCER BUSHING	1
22	36359	0-600 PSI GAUGE	1
23	275932	STRAINER, HYPRO 3350-0040P	1
24	275874	3/4" FH x 3/4" FP ADAPTER	1
25	276105	HOSE CLAMP, 1 1/8" OD RC HC-18S	4
26	275941	HOSE WASHER	1
27	276099	3/4" HOSE QUICK DISCONNECT	1
28	701544	INLET BRACE	1
29	276116	3/4 MP x 3/4 MH 90 DEG HOSE BARB	4
30	701551	INLET CONNECTION HOSE	1
31	701516	PUMP BRACKET	2
32	701545	PUMP BRACE (UDOR)	2
33	701550	BY PASS HOSE	1
34	277059	5/16-18 x 3 1/2" HHCS	2
35	276540	1/4" FLAT WASHER	18
36	560081	1/4-20 x 3/4" HHCS	2
37	275426	1/4-20 ESNA STOP NUT	2
38	277262	U-BOLT - 1/4" x 1" x 1 3/4"	1
39	277322	3/4" x 2 1/2" LONG BRASS NIPPLE	1
40 41	277181 34550	WARNING TAG ***NOT SHOWN** SUCTION HOSE ASSEMBLY **NOT SHOWN***	1
42	221065	PRESSURE HOSE ***NOT SHOWN***	1

### QTY. 2 2 8 700896 Manifold Assembly Parts 1/4"-20 x 1/2 SS HEX HEAD CAP SCREW 1 1/8" SS BALL SPOOL ASSEMBLY MANIFOLD LID GASKET 700896 MANIFOLD ASSEMBLY #10-24 × 5/8" SHCS 3/4" NPT PIPE PLUG DESCRIPTION MANIFOLD PART NUMBER 700895 276536 275070 27.6098 700887 700124 700232 276406 NO. ო 3 9 (10) 0 0 0 0 0 0 (00) (8)





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