

46523	
DIMENSIONS:	23" (57cm) L x 20" (51cm) W x 19.5" (50cm) H
WEIGHT:	105 lbs. 48 kg
PUMP:	Triple Diaphragm: Positive Displacement Ports: 3/4" inlet; 1/2" NPT outlet Capacity: 10gpm, 38lpm Pressure: 0-500psi Operating Speed: 550rpm (max) 400rpm (min) Lubrication: Pump 30W Non-Detergent Gear 80/90W Gear Oil Shaft Size: 1" Female
ENGINE:	6.5hp Briggs & Stratton Intek Pro, 4 cycle, gasoline
CONTROL:	50 – 500psi adjustable pressure relief valve
GAUGE:	Glycerin filled, 0 – 1000psi, 0-69bar
DISCHARGE HOSE:	1/2" x 10' (3m) 2000psi rated
INLET HOSE:	3/4" x 10' (3m) with strainer



465230	
DIMENSIONS:	23" (57cm) L x 20" (51cm) W x 19.5" (50cm) H
WEIGHT:	105 lbs. 48 kg
PUMP:	Triple Diaphragm: Positive Displacement Ports: 3/4" inlet; 1/2" NPT outlet Capacity: 10gpm, 38lpm Pressure: 0-500psi Operating Speed: 550rpm (max) 400rpm (min) Lubrication: Pump 30W Non-Detergent Gear 80/90W Gear Oil
ENGINE:	Shaft Size: 1" Female Honda 5.5hp, 4 cycle, gasoline
CONTROL:	50 – 500psi adjustable pressure relief
GAUGE:	Glycerin filled, 0 – 1000psi, 0-69bar
DISCHARGE HOSE:	1/2" x 10' (3m) 2000psi rated
INLET HOSE:	3/4" x 10' (3m) with strainer

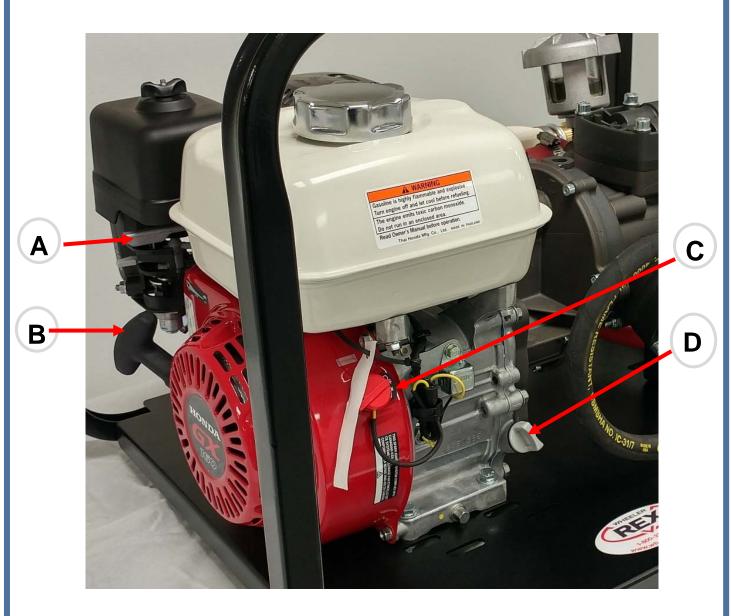


46521	
DIMENSIONS:	28" (71cm) L x 20" (51cm) W x 19.5" (49.5cm) H
WEIGHT:	111 lbs. 50.5 kg
PUMP:	Triple Diaphragm: Positive Displacement
	Ports: 1" inlet ; 3/4" NPT outlet
	Capacity: 10gpm, 38lpm
	Pressure: 0-500psi
	Operating Speed: 550rpm
	Lubrication: Pump 30W Non-detergent
	Gear 80/90W Gear Oil
	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



465210	
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 ; 3/4" NPT outlet
	Capacity: 10gpm, 38lpm
	Pressure: 0-500psi
	Operating Speed: 550rpm
	Lubrication: Pump 30W Non-detergent
	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:	3/4" x 10' (3m) 1000psi rated
INLET HOSE:	3/4" x 10' (3m) with strainer

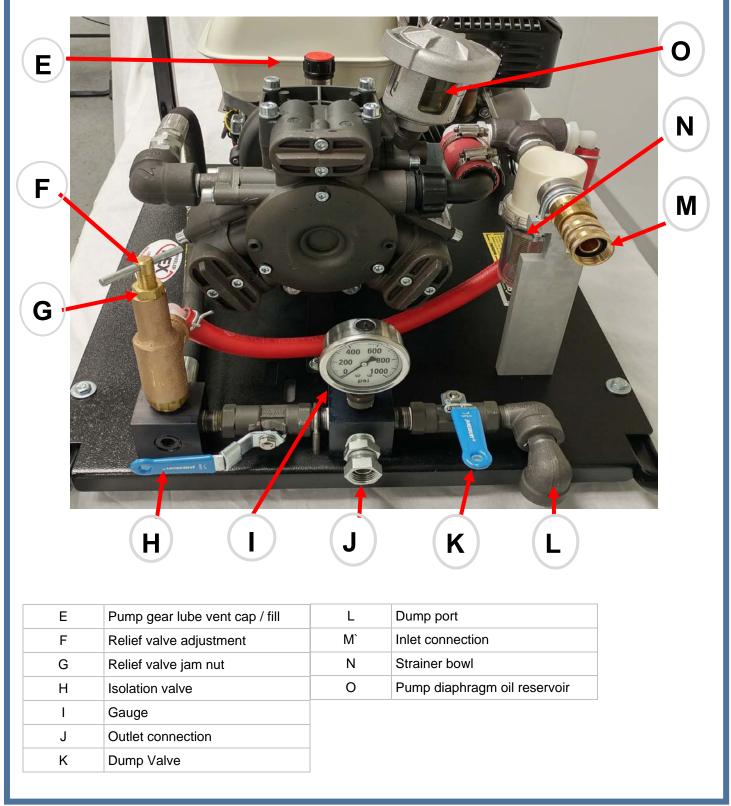




465210 / 465230

Α	Engine Controls (throttle, choke, gas ON/OFF)
В	Pull Start
С	Power Switch ON/OFF
D	Dipstick / Engine oil fill







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 (M) 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 (J) 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 (I) while pumping. When the desired pressure is achieved, turn the isolation valve (H) 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. Loosen the jam nut (G) on pressure relief valve. Then unscrew (counterclockwise direction) the pressure relief valve knob (F) a few turns. Be sure not to unscrew the knob too far as the knob and nut can easily be 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 '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 (F) in the clockwise direction by ¼ turn increments, until you reach the desired pressure. Tighten jam nut (G) to hold at this desired pressure.
- 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

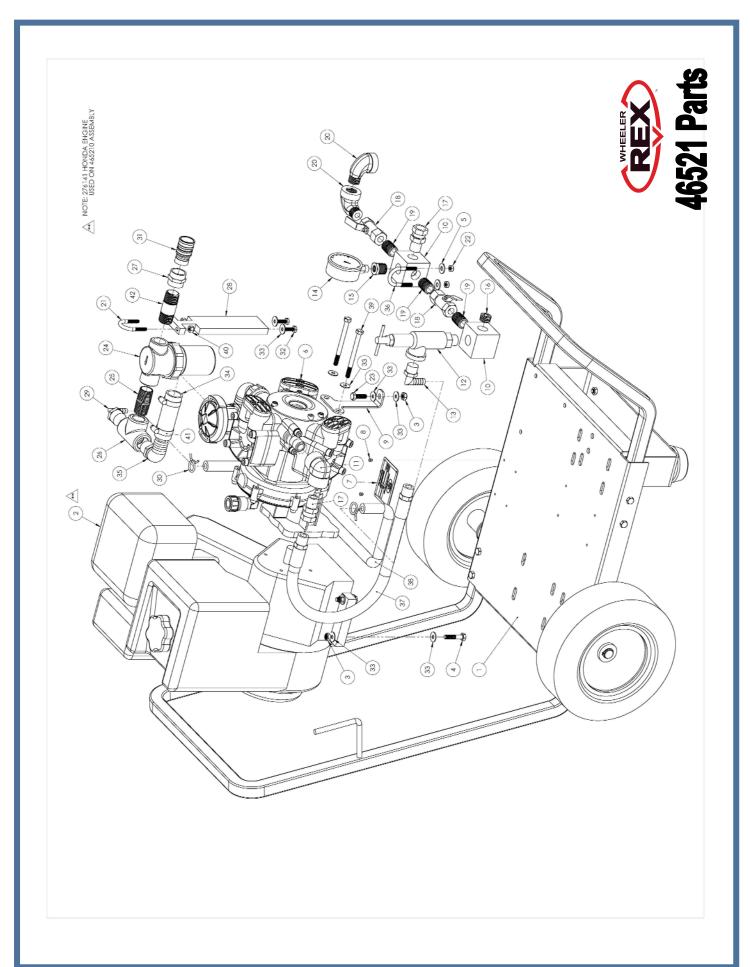
- Pump 50/50 antifreeze/water solution through pump after each use to avoid freezing and to lubricate pump.
- Check strainer (F) O-Ring for cracks prior to each use.
- Check and change engine oil per manufacturers specifications.
- Gear reduction Gear Lube. Check and change per manufacturers specifications.
- Pump repair kit (Wheeler Rex PN 36345)
- Suction Hose (Wheeler Rex PN 34550)
- Pump Oil Reservoir Check and change per manufacturers specs. Use 30W Non-detergent Oil

Dump Valve

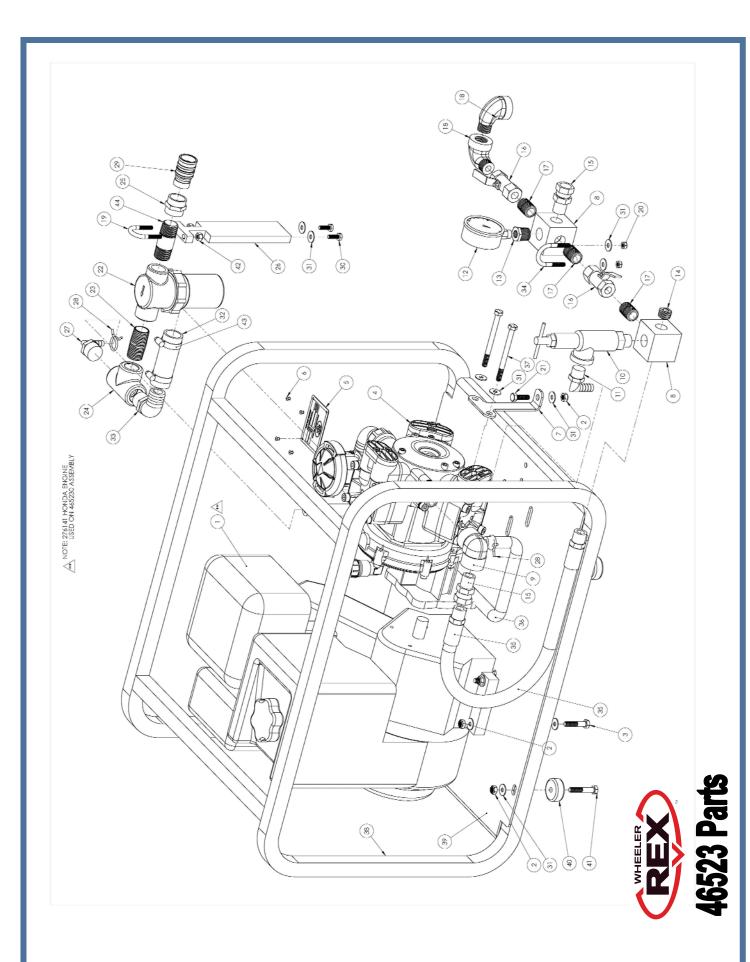
Dump valve is designed to dump off presure when the test is complete.

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.



Item	Part No	Description 46521 / 465210 Parts	Qty
1	700136	PUMP CART	1
2	275684	6.5 HP BRIGGS & STRATTON ENGINE	1
2	275057	(276141 HONDA ENGINE)	7
3	275857	5/16-18 HEX NYLON INSERT LOCKNUTS	7
4	275638	5/16 x 1 1/2" HEX HEAD CAP SCREW 5/16" FLAT WASHER	4
5 6	275685 277303	COMET PUMP ASSEMBLY	1
7	220874	NAME PLATE	<u>'</u> 1
8	275543	POP RIVET, STAR 4-2AAD	<u> </u> 4
9	701542	PUMP BRACE (COMET)	4
10	701542	MANIFOLD BLOCK (COMET)	2
11	275697	1/2" 3000LB FS SCRD 90 ELL	1
12	276341	RELIEF VALVE	1
13	277302	1/2" MNPT x 1/2 HB 90 ELBOW	1
14	275788	GAGE 0-1000 PSI	1
15	275670	1/2 x 1/4 FS SCRD HX BUSH	1
16	275368	HEX SOCKET 1/2" NPT PIPE PLUG	1
17	275689	1/2 NPT x 1/2 SWIVEL ADAPTER	2
18	275675	1/2" VALVE	2
19	275669	1/2 x CLOSE PIPE NIPPLE	3
20	275666	1/2 x CLOSE FIFE NIFFLE 1/2" FS SCRD STREET ELL	2
21	277262	U-BOLT - 1/4" x 1" x 1 3/4"	1
22	729	1/4-20 THIN ESNA NUT	2
23	1020	5/16-18 x 1" HEX HEAD CAP SCREW	1
24	275932	STRAINER, HYPRO 3350-0040P	1
25	276102	3/4" BRASS CLOSE NIPPLE	1
26	275644	3/4" TEE	1
27	275874	3/4" FH x 3/4" FP ADAPTER	1
28	701544	INLET BRACE	<u>'</u> 1
29	276184	3/4 NPTx 1/2 90 deg. HOSE BARB	<u>'</u> 1
30	276185	HOSE CLAMP	2
31	276099	3/4" HOSE QUICK DISCONNECT	
32	560081	1/4-20 x 3/4" HHCS	2
33	276540	1/4" FLAT WASHER	16
34	701547	CONNECTION HOSE	1
35	277304	3/4 MP x 1" MH 90 DEG HOSE BARB	1
36	277220	U-BOLT	1
37	700641	HIGH PRESSURE HOSE 22"	1
38	701546	BY PASS HOSE	1
39	277305	5/16" x 3 3/4" Long HHCS	2
40	275426	1/4-20 ESNA STOP NUT	2
41	275335	HOSE CLAMP	2
42	277322	3/4" x 2 1/2" LONG BRASS NIPPLE	
43	277181	WARNING TAG ***NOT SHOWN***	1
44	34550	SUCTION HOSE ASSEMBLY **NOT SHOWN***	1
45	221065	PRESSURE HOSE ***NOT SHOWN***	1



Item	Part No	Description 46523 / 465230 Parts	Qty
1	275684	6.5 HP BRIGGS & STRATTON ENGINE (276141 HONDA ENGINE)	1
2	275857	5/16-18 HEX NYLON INSERT LOCKNUTS	11
3	275638	5/16 x 1 1/2" HEX HEAD CAP SCREW	4
4	277303	COMET PUMP ASSEMBLY	1
5	220874	NAME PLATE	1
6	275543	POP RIVET, STAR 4-2AAD	4
7	701542	PUMP BRACE (COMET)	1
8	701543	MANIFOLD BLOCK (COMET)	2
9	275697	1/2" 3000LB FS SCRD 90 ELL	1
10	276341	RELIEF VALVE	1
11	277302	1/2" MNPT x 1/2 HB 90 ELBOW	1
12	275788	GAGE 0-1000 PSI	1
13	275670	1/2 x 1/4 FS SCRD HX BUSH	1
14	275368	HEX SOCKET 1/2" NPT PIPE PLUG	1
15	275689	1/2 NPT x 1/2 SWIVEL ADAPTER	2
16	275675	1/2" VALVE	2
17	275669	1/2 x CLOSE PIPE NIPPLE	3
18	275666	1/2" FS SCRD STREET ELL	2
19	277262	U-BOLT - 1/4" x 1" x 1 3/4"	1
20	729	1/4-20 THIN ESNA NUT	2
21	1020	5/16-18 x 1" HEX HEAD CAP SCREW	1
22	275932	STRAINER, HYPRO 3350-0040P	1
23	276102	3/4" BRASS CLOSE NIPPLE	1
24	275644	3/4" TEE	1
25	275874	3/4" FH x 3/4" FP ADAPTER	1
26	701544	INLET BRACE	1
27	276184	3/4 NPTx 1/2 90 deg. HOSE BARB	1
28	276185	HOSE CLAMP	2
29	276099	3/4" HOSE QUICK DISCONNECT	1
30	560081	1/4-20 x 3/4" HHCS	2
31	276540	1/4" FLAT WASHER	21
32	701547	CONNECTION HOSE	1
33	277304 277220	3/4 MP x 1" MH 90 DEG HOSE BARB U-BOLT	1
34			1
35	700641	HIGH PRESSURE HOSE 22"	1
36	701546	BY PASS HOSE	1
37	277305	5/16" x 3 3/4" LONG HHCS	2
38	701549	ROLL CAGE (XL)	1
39	701548	BASE PLATE (COMET)	1
40	276443	RUBBER FOOT	4
41	275639	5/16-18 x 1 3/4" HHCS	4
42	275426	1/4-20 ESNA STOP NUT	2
43	275335	HOSE CLAMP	2
44	277322	3/4" x 2 1/2" LONG BRASS NIPPLE	1
45	221065	PRESSURE HOSE ***NOT SHOWN***	1
46	277181	WARNING TAG ***NOT SHOWN***	1
47	34550	SUCTION HOSE ASSEMBLY ***NOT SHOWN***	1



WHEELER-REX LIMITED LIFETIME WARRANTY

or other person is authorized to give any warranty on behalf placed at our option, at no charge and returned to you via 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 warranties against defects in material or workmanship. To take advantage of this warranty, the complete product must be deivered prepaid to Wheeler-Rex or any WHEELER-REX AU-THORIZED SERVICE CENTER. No tools are to be returned viously, failures due to misuse, abuse, or normal wear and ear are not covered by this warranty. NO OTHER WAR-RANTY, WRITTEN, OR ORAL, APPLIES. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIP-TION ON THE FACE HEREOF. No employee, agent, dealer, of Wheeler-Rex. Warranted products will be repaired or reprepaid 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 gives you specific legal rights, and you may also have other have a Limited Three Year Warranty (including electric motors). prior authorization. Obrights which vary from state to state. to the factory without receiving

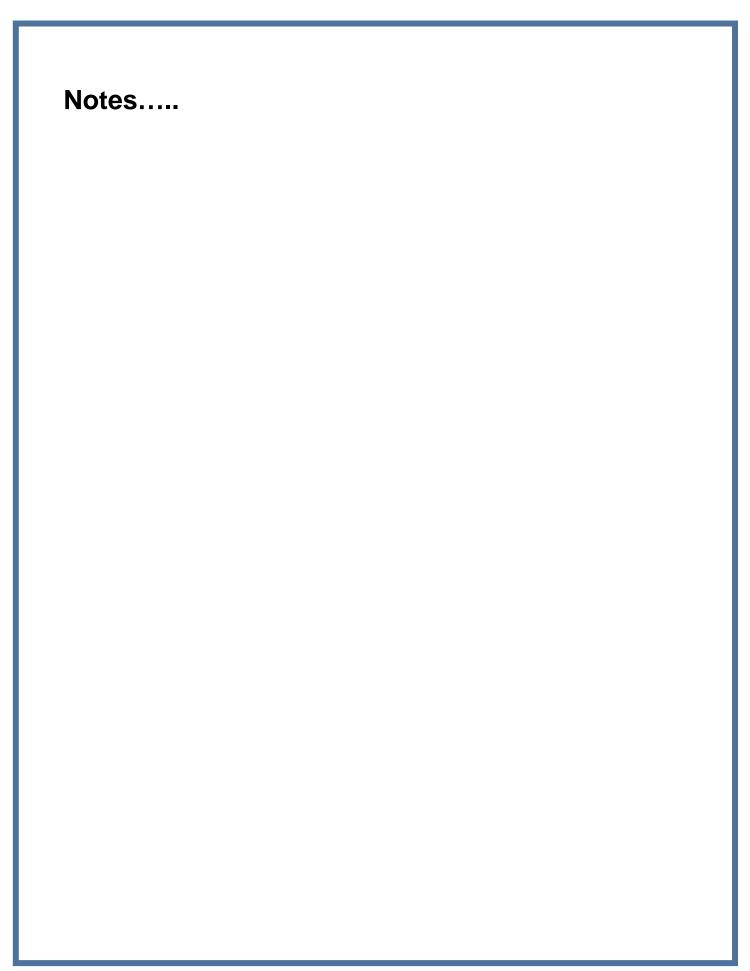
Form # 1031

WARNING

GENERAL TOOL OPERATION WARNINGS

FOR ALL TOOLS-

- 1. Keep Guards in Place and in working order.
- 3. Keep Work Area Clean. Cluttered areas and benches invite 2. Remove Adjusting Keys and Wrenches from tool before turning it on.
- 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. 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 fault interrupt.
- 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 in moving parts. Rubber gloves and footwear are recommended when No loose clothing or jewelry to get caught Wear Proper Apparel. of a heavy-duty tool. working outdoors. 10.
- Use Safety Glasses.
- Don't Abuse Cord. Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges. 12. 13.
 - Secure Work. Use clamps or vise to hold work when practical. It's 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 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 15.
- Disconnect Tools when not in use; before servicing; when changing tion sheets, contact the factory & we will supply them at no charge. accessories such as dies, cutters, etc. 16.
- 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 operations.
 - Do not operate tools while under the influence of alcohol, drugs or medication.





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