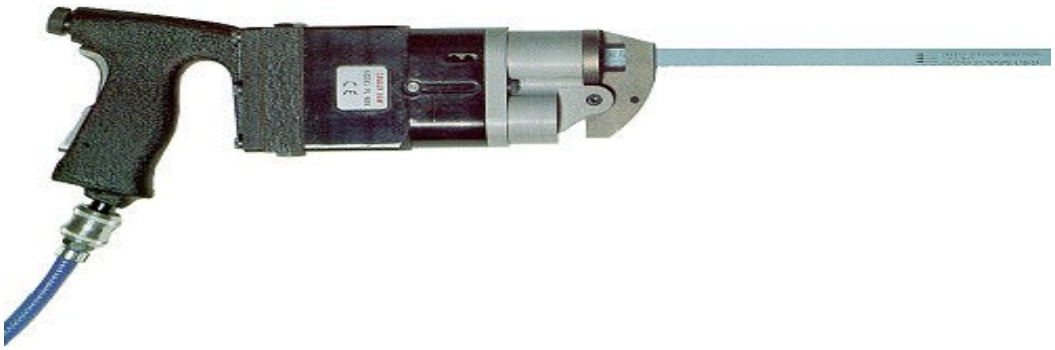
SAVE IMPORTANT PAPERS

CENGAR SAW PL905: SCHEMATIC AND ACCESSORIES



BODI COMPANY INC.
5530 COMMERCIAL BLVD.
WINTER HAVEN, FL. 33880
PH. 863.551.3388
FAX 863.551.3399

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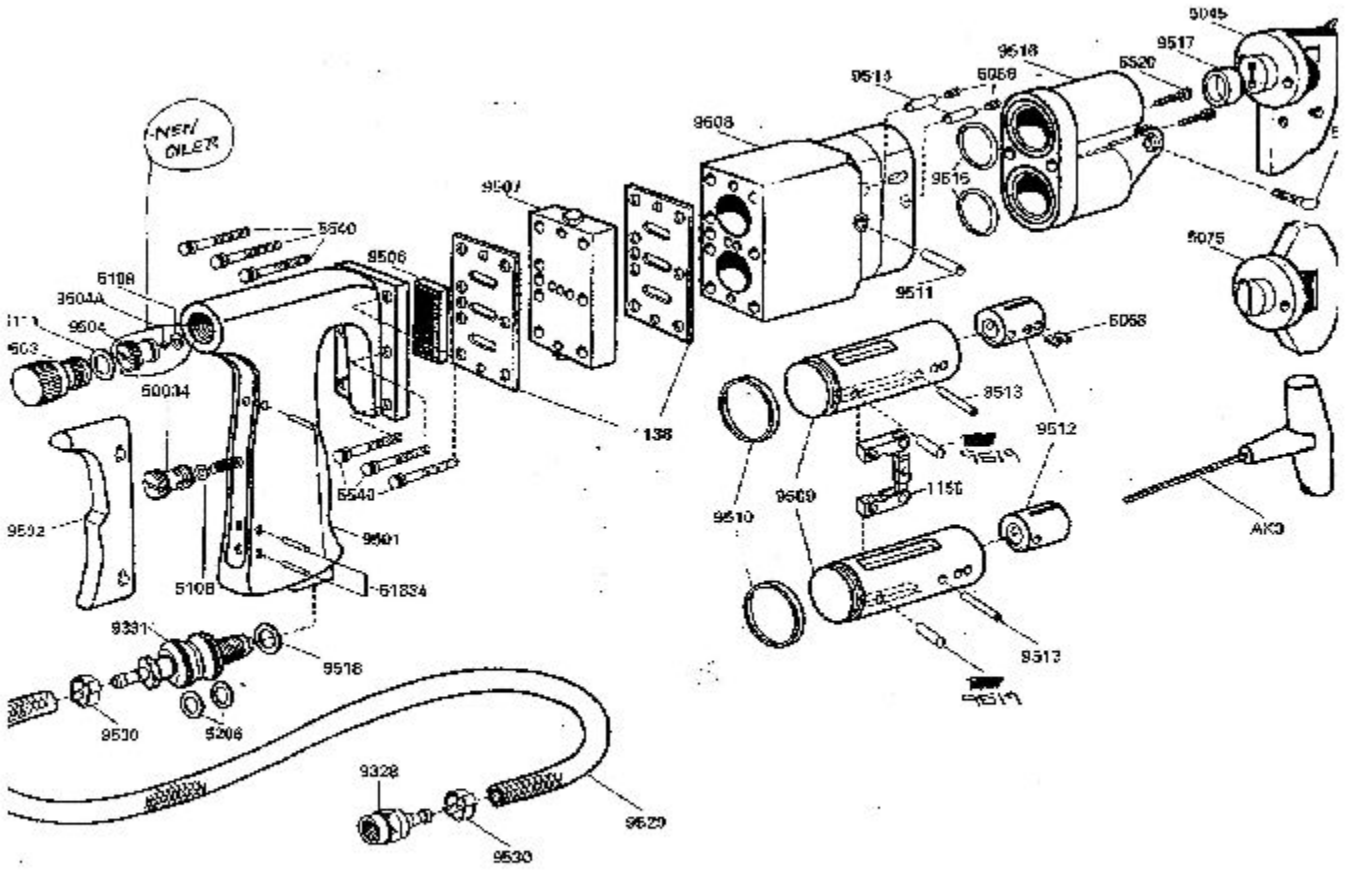
FAX 863.551.3399



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PL905 PRICING

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FAX 863.551.3399

PART NO.	DESCRIPTION	PER TOOL
96-9328	HOSE CONNECTOR	1
96-9329	HOSE	1
96-9330	HOSE CLIP	2
96-9331	ISOLATOR SWITCH	1
96-5206	SEAL- ISOLATOR SWITCH	2
96-5111	SEAL-OILER PLUG	1
96-5108	SEAL- OIL CONTROL HANDLE	1
96-9501	HANDLE ONLY (new#96-9550)	1
96-9502	TRIGGER	1
96-51834	TRIGGER PIN	3
96-50034	VALVE IN HANDLE	1
96-9503	OILER PLUG PLASTIC	1
96-9504	OIL CONTROL	1
96-9504A	BALL BEARING	1
96-5540	SCREW	6
96-9506	OILER FILTER	1
96-9538	GASKET	2
96-9507	VALVE UNT	1
96-OK905	SEAL & GASKET SET	1
96-9519	PIN-PISTON TO LINK	2
96-9508	BODY	1
96-9509	PISTON	2
96-9510	PISTON RING	2
96-1150	LINK	1
96-9511	PIVOT PIN	1
96-9512	BLADE GRIP BLOCK	2
96-5068	BLADE GRIP SCREW	2
96-9513	PIN-PISTON TO BLADE GRIP BLOCK	2
96-9514	SPRING PIN	2
96-9515	CONNECTING RING	2
96-5056	RETAINING SCREW	2
96-9516	FRONT END	1
96-9517	GUIDE BUSHING	1
96-5520	SCREW	2
96-9518	LOCK WASHER	1
96-5045	NOSE PIECE 1/2" SLOT	1
96-54160	SCREW	3
96-AK3	ALLEN KEY	1

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CENGAR SAW: PL905

Hints to Users

1. LUBRICATION: Fill oil recess in handle and there is sufficient lubrication to satisfy normal working conditions for approximately 3-4 hours. However, where the Saw is used constantly as in pallet repair work, and as lubrication is a total loss system, replenishment is required more frequently as gained from experience.

2. VALVE UNIT: The valve unit part no: 96-9507 is a vital component totally governing the action of the Saw. To be serviceable it is machined to exact, close tolerances and it is not tolerant to abusive treatment. Lubrication is essential to its function, durability and reliability. Any neglect will seriously affect performance of the Saw causing intermittent stalling or to stop completely.

3. BLADE INSTALLATION: The blade must always be inserted to cut on the return stroke: that is with teeth pointing towards the handle. The blade grip block part no: 96-9512 is recessed to the same shape as the rounded end of the hacksaw blade. When the blade is inserted correctly the hole of the blade coincides with the rear screw allowing the blade to "swivel" around the screw end. The front screw in the block is then used to fasten the blade in the horizontal position.

4. TRIGGER: Part No. 96-9502. The trigger is fitted to the Saw with two retaining pins and with one limiting pin. The 2 retaining pins allow the trigger to be pressed at any point activating the Saw. The limiting pin prevents the trigger from being pulled downwards into the PERMANENTLY ON POSITION. If this position is deemed useful and/or necessary by the user for any particular application it can be achieved by removing the limiting pin. However, care must be exercised to ensure trigger is pushed back to the off position when the cutting process finishes.

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FOR LONG LIFE OF AIR TOOLS

IMPORTANT

- Air supply must be clean and dry. Bleed air supply tank a minimum of once each week, or more often if in high humidity area.
- Use a filter for the air line.
- For continuous running – an automatic air line lubricator is advised.
- The gearbox, when fitted with an automatic lubricator, must be lubricated weekly with a light-grade, high speed grease. There is a lube fitting in the head, and usually a couple of pumps is sufficient.
- For occasional use – put a few drops of air tool lubricant in the air inlet nipple manually before each use is sufficient.
- Do not connect the tool to hoses that are excessively long. Every additional 20 feet of hose means approximately 10% loss in power.
- For reconditioning, the tool should be returned. Users are not recommended to attempt repairs themselves.

Air tools are expensive. Proper care and maintenance is extremely important!

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AIR TOOL LUBRICATION

Compressed air contains both water and dirt. For operating efficiency and long tool life it is necessary to remove all dirty and contaminated air from the system. Inadequate lubrication results in decreased efficiency of the air tool and wastes air.

Haphazard lubrication can be fatal. Remember that an air tool revolving between 10,000 and 50,000 RPM does several million revolutions in a working day.

For this reason it is essential to use a Micro fog lubricator filter unit, thus cleaning the air and producing a fine micro-fog of oil which is capable of being carried over long distances - the only means of supplying lubrication for the working parts of the motor.

For standard use the 3/8" pipe size filter lubricator unit is recommended. This unit will allow an air flow of 24 - 27 c.f.m. (free air) to be passed per minute at 80 - 100 p.s.i. For maximum efficiency, a pipe running from the oil fog unit to machine should not exceed 30 feet. If using two machines concurrently, total pipe runs of both machines should be kept within this limit. Due to limitations in adjustment, banks of not more then two machines per lubricator are advised for maximum efficiency.

Where line pressure exceeds 100 p.s.i. a pressure regulator must be set at a maximum of 100 p.s.i. to prevent excessive tool wear and wastage of air.

The main points to watch when fitting the Micro-fog are as follows:

1. The dome clamp ring and sight dome should be removed and the ventura plug adjusted with a screwdriver to "B" setting. The oil drip should then be adjusted with one drop every 5 - 6 seconds. Of this quantity 5% only is distributed through the air line to the tools, the rest returning to the oil reservoir.

2. The Micro-fog unit should be situated as near the trimming area as possible with best results obtained when the air tool is connected straight into the unit with the length of hose provided.

3. Ensure that the air from the compressor is directed first through filter regulator A, then through the lubricator B and not vice versa.

4. The air delivery pipe from compressor to oil unit should have a minimum bore size of 3/4" over short lengths and up to 2" over long lengths. The following table illustrates

P.S.I.	C.F.M. through various pipe sizes			
	1/2"	3/4"	1"	1½"
80	9	42	130	420
90	10	45	140	450
100	12	51	160	480

maximum continuous air flow (c.f.m.) through various pipe sizes. 75% maximum permissible. Pressure loss amounts to 15% in sizes up to 1/2" and 10% in sizes 3/4" to 2", over 100 foot length run of pipe.

IMPORTANT

It must be stressed that unless an approved method of lubricating these machines is used, the suppliers will not hold themselves responsible for damage caused to the air motor and any guarantee will automatically become void.

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