

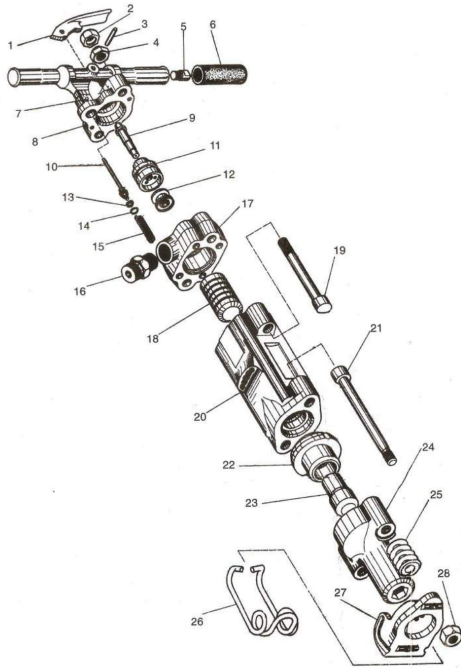


**RB 113**  
**DEMOLITION TOOL**



SPARE PART LIST &  
MAINTENANCE INSTRUCTIONS

### RB 113 DEMOLITION TOOL



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### RB 113 DEMOLITION TOOL

Illust. No.	Stock No.	Description	Qty.
1	F 28 06 446	* Throttle Valve Lever	1
2	R 20 17 005	Back Head Bolt Nut (Female)	2
3	N 50 18 445	Groverlock Pin	1
4	R 22 04 005	Back Head Bolt Nut (Male)	2
5	E 32 34 445	Oil Plug	1
6	R 21 01 705	* Handle Rubber	2
7	E 79 01 446	Oil Regulating Plug	1
8	D 86 57 409	Back Head	1
9	E 38 25 446	Valve Bearing Stem	2
10	E 12 14 446	Throttle Valve	1
11	E 73 56 446	Inside Valve Bushing	1
12	E 73 56 446	Valve	1
13	I 04 01 446	* Throttle Valve Seat	1
14	I 32 01 446	* Throttle Valve Retaining Ring	1
15	R 34 12 705	* Throttle Valve Spring	1
16	E 70 18 446	Nipple (1" NPT x 3/4" BSPF)	1
17	D 73 07 446	Back Cylinder Spacer	1
18	D 15 01 446	* Piston	1
19	E 30 15 446	Back Head Bolt	2
20	D 85 12 446	Cylinder	1
21	E30 16 446	* Front Head Bolt	2
22	D 73 06 446	Anvil Block Bushing	1
23	E 15 51 446	* Anvil Block	1
24	D 86 04 446	* Front Head (1 1/4" A/F x 4 1/4" L)	1
25	I 34 36 446	* Front Head Bolt Spring	2
26	I 35 66 446	* Steel Retainer	1
27	F 17 01 446	Steel Support	1
28	E 98 43 446	* Front Head Bolt Nut	2
—	A 98 41 446	Back Head Complete Assembly	1
—	A 98 94 446	Throttle Valve Assembly	1
—	I 26 01 409	Protection Cap	1

Parts indicated by (\*) are fast wearing parts and recommended for stocking.  
PLEASE ORDER SPARE PARTS ON STOCK CODE NOS.

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### SAFETY INSTRUCTIONS

It is good practice when operating power tools : To wear safety glasses and safety footwear.

To ensure that the air-line pressure is correct for the tool.

To ensure that the steel, socket, grinding wheel etc. are in good condition, correctly fitted and retained. And mandatory to ensure that in the case of grinders the free speed does not exceed that specified for the wheel.

To wear ear protectors in areas where the noise level cause hearing damage.

To ensure that hoses are in good condition and securely fitted.

### GENERAL AND MAINTENANCE INSTRUCTIONS

RB Demolition Tools are built to withstand severe operating conditions, so if the maximum performance is to be obtained with a minimum of lost time for maintenance, it is essential that the following instructions be observed.

#### LUBRICATION

The modern Demolition Tool has a number of close fitting precision made parts so it is very important that it is adequately lubricated at all times resulting in a minimum of wear and long term efficiency. Before it leaves the factory the tool is coated with a preservative oil to protect the working parts from rust etc. and this must be removed before putting the tool into operation. This is done by pouring a small amount of kerosene into both the air connection and the chuck end and then operating the tool for a few moments on PARTIAL THROTTLE, then disconnect the tool and pour a generous amount of light oil into the air connection.

The Oil Chamber in the handle should be kept filled with a good grade of light oil (see table) and, if the recommended oils are used, the chambers will require refilling at least every two hours during operation.

To avoid operating delays particularly where tools are in continuous operation, it is recommended to use AIR LINE LUBRICATORS of one pint capacity in which there is an adjustable device to control the flow of oil to suit the demand of the tool in use. These oilers would require refilling every shift of 4 to 8 hours.

Two external indications of adequate lubrication are :

1. The appearance of a slight amount of oil on the steel shanks.
2. The presence of atomised oil visible on the hand when held near the main exhaust ports. If lubrication is unsatisfactory, check operation of the OIL REGULATOR in the handle - see MAINTENANCE INSTRUCTIONS.

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### RECOMMENDED LUBRICATING OILS AND GREASES

For recommended lubricating oils and greases, refer Chart.

#### OPERATING INSTRUCTIONS

The fundamentals of good operation listed in this section should be observed in order to achieve the maximum performance of the tool.

1. Daily, before using, blow out the compressor air receiver and air hose to remove accumulated dirt and moisture from the air line. Inspect the tool to make sure that the air inlet and exhaust ports are clean and free from dirt.
2. Before connecting the air hose, pour a small amount of recommended oil into the air inlet.
3. ALWAYS hold the tool down to the work. Operation of the tool without a steel or without holding it against the work will put excessive strains on the fronthead parts.
4. Be sure that steels are not over-dull and that the steels and shanks are of the correct size and length. Inspect steels and do not use those chipped or rounded on the striking end. Shanks of improper length reduce the effectiveness of the blow. The striking end of the shank must be softer than the face on the anvil block.
5. Ascertain frequently that the Backhead and fronthead Bolts are tight. If the tool is run with ONE bolt loose some parts may get destroyed because of misalignment and the remaining bolts will be overstressed leading to breakage.
6. DO NOT lay tool down in dust or without first plugging all openings with rags.
7. Demolition Tools are designed to operate most efficiently at 80 to 90 p.s.i.g. air pressure. Roughness and excessive breakage will result from operation at higher pressure while low pressure will cause slowness and inefficient operation.

#### MAINTENANCE

Dismantle and inspect tool at regular intervals (at least once a week if the tool is being used regularly) to maintain efficiency and avoid high unkeep costs. It is false economy to use worn parts.

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1. Thoroughly clean and inspect and inspect internal parts. Make sure they are free from rust, girt and foreign matter.
2. Check valve assembly to be sure that the valve moves freely. If necessary to remove inside valve bushing E7356446 and valve bearing stem E3825446 from backhead, first remove throttle valve lever F2806446 to expose end of bearing stem to which an extractor rod of approximately 11/32" dia, should be applied to press or knock out the stem bushing assembly.
3. If the oil regulation is unsatisfactory thoroughly clean the oil chamber and ports, particularly the small 1/64" hole in oil regulator plug E7901446.
4. Make sure that all mating faces are clean and smooth and check that the striking face of the anvil block is square. If it is cuffed, grind off the high edges but DO NOT touch the polished face which comes in contact with the steel shank.

### ASSEMBLY CAUTIONS

Reasonable care must be taken during disassembly and assembly of Demolition Tools to avoid burning, scoring or distortion of closely fitted precision parts. In addition, observe the following specific cautions.

1. Pull up the Backhead Bolts evenly alternating from one to the other to distribute the load and so minimise bolt failure.
2. Fronthead Bolts nuts should be drawn evenly in order to compress the springs evenly but not so tightly that the coil collapse or become "solid" torque. The springs I-3436446 should each be evenly compressed from 1/8" to 3/16" not less, this will give the springs an assembled length of from 2.3/8" to 2.5/16".
3. Particularly when new, external parts should be inspected and threaded connections retightened frequently until all parts have taken their final set.
4. During the assembly, take care to keep dirt out of tool particularly between mating faces.
5. It is necessary, for checking purposes, to operate the tool on the floor, do so at reduced throttle to avoid damage to the piston, anvil block and fronthead.