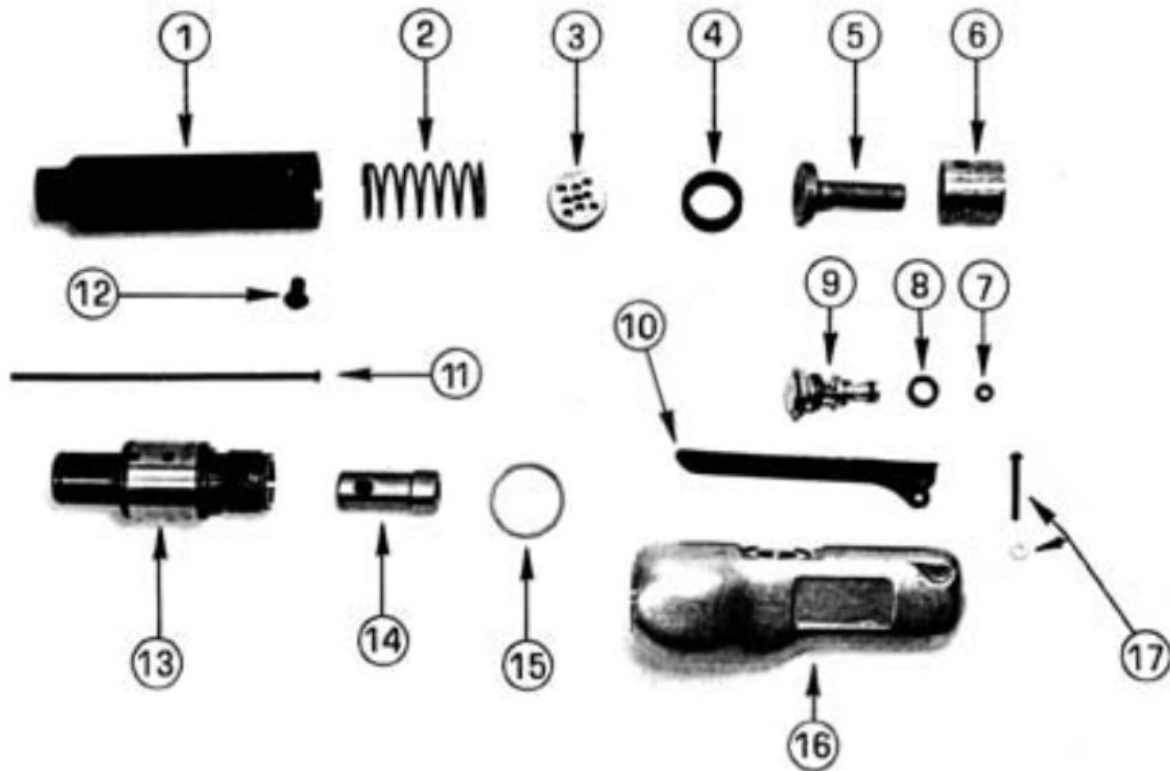


Breakdown Sheet

Needle Scaler – Straight Handle

Model 95511 Needle Scaler Instructions & Parts



Item	Part Number	Description	Item	Part Number	Description
1	95501	Housing	10	92600	Lever
2	95505	Spring	11	250027	Needle (Set of 9)
3	95504	Needle Holder	12	95007	Screw (2 Req.)
4	95503	Cushion	13	93100	Barrel
5	95502	Driver	14	90300	Piston
6	95506	Spacer Ring	15	92500	Locking Washer
7	91301	Small Rubber Seal	16	90102	Straight Handle
8	91300	Large Rubber Seal	17	73900	Pin and Washer
9	90500	Trigger Assembly			

Lubrication

Before using a new tool, pour a small amount of oil into the air inlet, connect the hose, and run the tool momentarily to distribute the oil into all of the working parts. The best oil to use is Superior Pneumatic Oil, but if Superior Pneumatic Oil is not available, do not use oil heavier than SAE #10. Thereafter, insert several drops of oil into the air inlet after every two or three hours of operation. If the unit is in constant use, it must be equipped with an airline lubricator and filter.

Operation

Always wear safety goggles and protective clothing when in operation. The force and speed of the hammer blows can be regulated by the depression of the trigger. Light pressure on the trigger will start the hammer blowing at a slow rate. Full power is reached when the trigger is fully depressed. Maximum efficiency is reached when operated on 90 PSI at 3 CFM.

Caution

1. Never operate air hammers without a chisel or a chisel that is not securely against work.
2. Disconnect the air supply before disassembly.
3. The barrel must be kept tight at all times. A loose barrel will cause the stripping of threads in the handle and loss of power.
4. Connect the hose whip directly to the inlet bushing to eliminate operator fatigue and facilitate the maneuverability of the tool.

Disassembly

1. Clamp the barrel in the vise on the flats provided and loosen the set screw in the handle.
2. Unscrew the handle from the barrel, and with the barrel pointing down, lift the handle off the barrel.
3. Lift the rear valve block, wafer, and front valve block with pins, off the barrel.
4. Unscrew the trigger assembly counterclockwise.

Note: Any tools needing major work should be taken to a factory or authorized repair station.

Assembly

1. Thoroughly clean and inspect all parts for obstructions.

Note: Replace trigger washers with new washers.

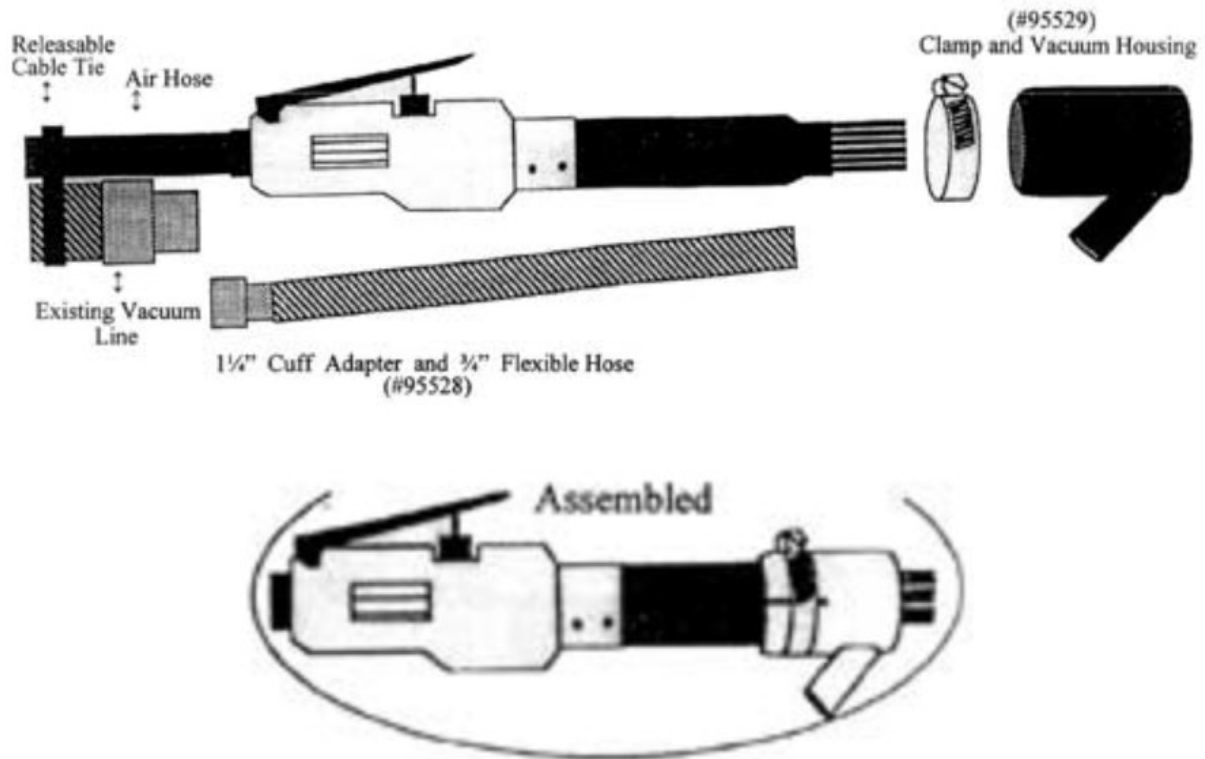
2. Screw the trigger assembly back into the handle and tighten it.
3. While holding the barrel down, install pins.
4. Place the front valve block on the pins with milled face-up.
5. Install the wafer in the rear valve block.
6. Place the rear valve block on the pins with milled face-down.
7. Screw the barrel into the handle and tighten.
8. Tighten the socket set screw.

Ordering Parts

When ordering parts, the part number, serial number, and model number must be designated.

Model 95520 Needle Scaler Vacuum Adapter Instructions & Parts

(For Models 95510 & 95511)



Parts Provided

Part Number	Description
95529	Clamp Vacuum Housing
95528	3/4" Flexible Hose 1 1/4" Cuff Adapter Releasable Cable Tie

Instructions

1. Slide the hose clamp over the upper end of the vacuum housing.
2. Slide the vacuum housing onto the needle scaler.
3. Adjust the hose clamp so there is a slight amount of friction between the vacuum housing and the barrel of the needle scaler.

Note: This allows some restricted up-and-down movement of the vacuum housing on the barrel of the needle scaler during use. Upward movement allows full access into corner areas and downward movement allows debris pickup when working on flat areas.

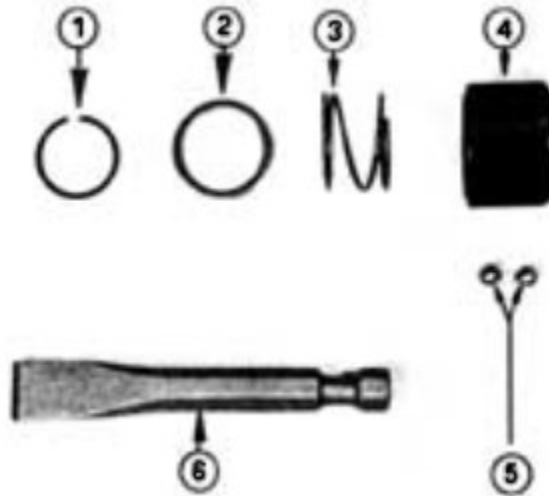
4. Attach the $\frac{3}{4}$ " flexible hose to the small exhaust port on the side of the vacuum housing.
5. Connect your existing $1\frac{1}{4}$ " vacuum line to the end of the $1\frac{1}{4}$ " cuff adapter.
6. Use the releasable cable tie to bundle the $1\frac{1}{4}$ " cuff adapter to the existing vacuum line near the handle of the needle scaler.

Note: This keeps the vacuum hose out of the operator's way and prevents the hose from being dislodged during use.

Model 95525 Needle Scaler Chisel Adapter

Instructions & Parts

(For Models 95510 & 95511)



Item	Part Number	Description
1	91200	Retainer Ring
2	93300	Washer
3	93200	Spring
4	93400	Collar
5	91500	Steel Ball
6	10400	Flat Chisel

Instructions

1. Remove set screw from model 95510 or 95511.
2. Remove the complete needle scaler from the front of the hammer barrel, including the driver and spacer ring.
3. Install (2) steel balls.

Put on the collar, spring, washer, and retainer.