



INSTRUCTIONS & PARTS LIST FOR 1444HPL AIR NIBBLER SERIAL "A"

AIR SUPPLY

The efficiency and life of this tool depends on the proper supply of clean, dry, lubricated air at about 90 lbs. P.S.I., although higher or lower pressures may be used. The use of an airline filter, pressure regulator and lubricator is recommended.

Before connecting the tool, blow the airline to remove water and dirt, which may have accumulated. This is especially important for a new line or when the line has not been used for some time.

HOSE AND HOSE CONNECTION

The air supply hose is 3/8" I.D. If extension hose is necessary, use 1/2" hose, with couplings not less than 3/8" I.D.

LUBRICATION

An oil supply to the air motor is important. SIOUX airline lubricators are recommended. Adjust to deliver 2 drops of SIOUX Air Motor Oil No. 288 per minute. When airline lubricator is not used squirt several drops of oil into the air inlet before using. Gear case must be lubricated after every 40 hours of operation, with SIOUX Grease No. 289.

SAFETY

1. Keep work area clean.
2. Do not force tool.
3. Secure work where possible - use clamps or vise.
4. Keep tools sharp and in good shape.
5. Disconnect tools when not in use.
6. The use of accessories not provided or specified may be hazardous.
7. Use goggles or safety glasses.

NIBBLER HEAD INSTRUCTIONS

OPERATION

The Nibbler Head is recommended for CR sheet steel up to 18 gauge. Secure work piece. To start cut, place die opening of nibbler slightly onto the edge of the work piece to steady the tool and ready it for the cut. Depress the trigger switch on the drive motor and guide the nibbler into the work. Don't force it. Avoid double thickness of material, which exceed the 18 gauge recommended capacity. For cutting within perimeter of work piece, drill a 1/2" diameter-starting hole and follow instructions above. If resistance to tool develops or cutting becomes difficult, discontinue cutting and check the following: lubrication; chip clogging; thickness of material, sharpness of punch and die.

ADJUSTMENTS

The die rotates a full 360 degrees. To change position, loosen clamp nut and set die in desired position, tighten clamp nut. When cutting corrugated metal, set die at 90 degrees to the motor unit. This will allow the motor and head to roll with the corrugations.

TO CHANGE PUNCH AND/OR DIE

1. Disconnect motor unit from power source.
2. Remove clamp nut 64089 and the die 64091 will slide off.
3. Remove retainer nut 64092 and the punch 64090 will slide out of the head.
4. Insert new punch into head and secure with retainer nut.
5. Insert new die and secure with clamp nut.

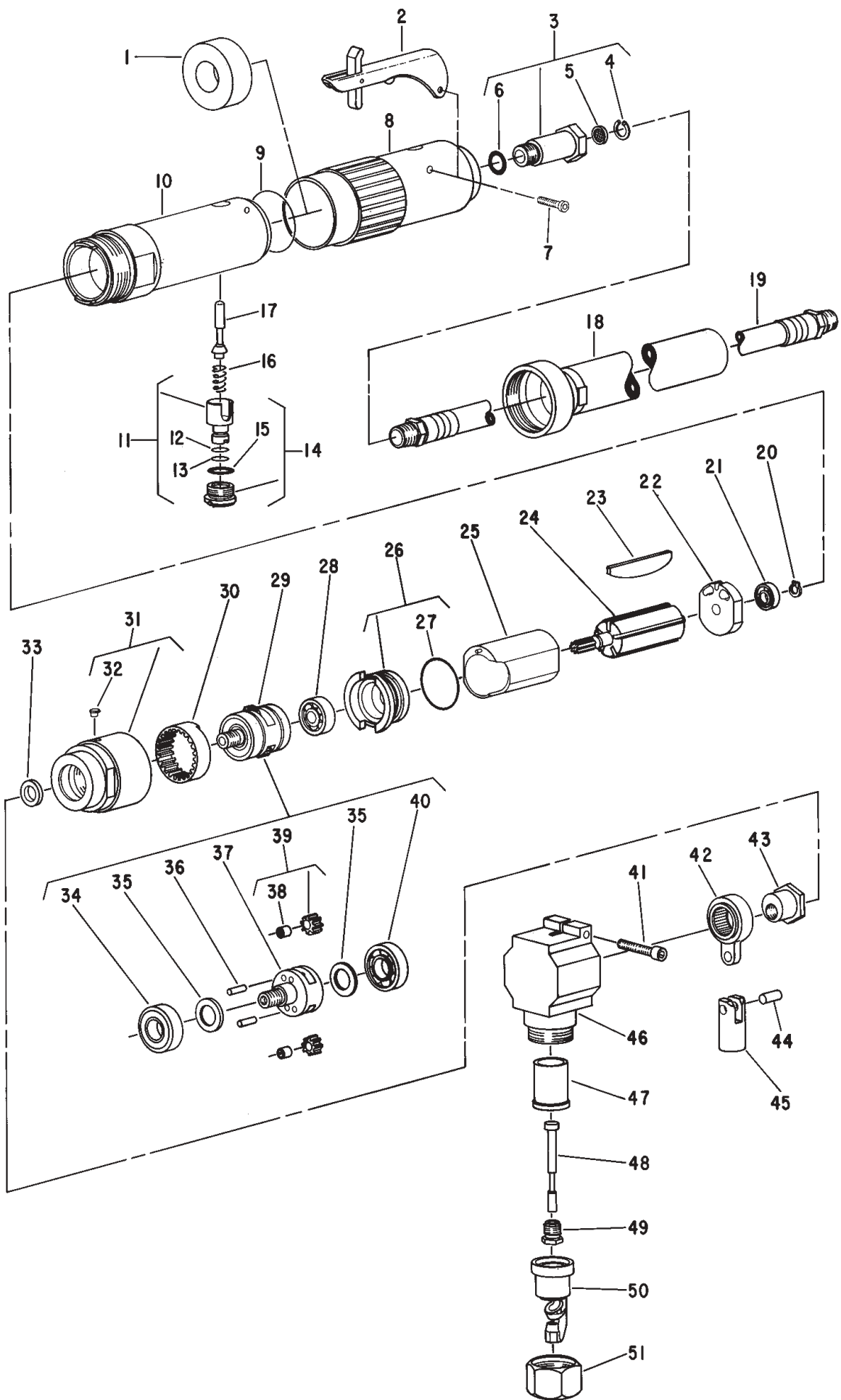
MAINTENANCE

Once every three months, depending upon usage, remove the nibbler head from the power unit by loosening clamping screw and pull the head with a twisting action. Lubricate bearing surface of the eccentric nut with a good grade of bearing grease. Place nibbler head back onto motor unit. Eccentric nut must engage with the link assembly as head is placed onto motor. Tighten clamping screw snugly to lock head assembly in place.

**SIOUX
TOOLS INC.**

2901 FLOYD BOULEVARD ■ PO BOX 507 ■ SIOUX CITY, IOWA 51102-0507 USA ■

Printed In U.S.A.



PARTS LIST FOR 1444HPL AIR NIBBLER SERIAL "A"

Fig. No.	Part No.	Description
1.	40116	Silencing Material
2.	63258	Ass'y—Lever
3.	54837	Adapter—Inlet
4.	21541	Retainer
5.	30463	Screen
6.	14312	Ring—"O"
7.	65499	Screw—Pan Hd. (Self Tap)(#6-32 x 3/4 LG.)(2)*
8.	04042	Housing—Cover (Non-Reversing)
9.	14313	Ring—"O"
10.	64036	Housing—Lever (Non-Reversing)
11.	54843	Control—Speed
12.	14290	Ring—"O"
13.	14291	Ring—"O"
14.	54844	Retainer—Speed Control
15.	14309	Ring—"O"
16.	21427	Spring
17.	63241	Ass'y—Valve
18.	63355	Ass'y—Hose Exhaust
19.	1317	Hose—Leader
20.	21491	Ring—Retaining
21.	10230	Bearing—Ball
22.	10552	Ends Plate—Rear
23.	63192	Vane—Rotor (Set of 5)
24.	54860	Rotor
25.	64057	Cylinder
26.	13550	End Plate—Front
27.	14342	Ring—"O"
28.	10220	Bearing—Ball
29.	63390	Ass'y—Planetary Reduction (Includes Figs 34, 35, 36, 37, 38, 39, 40)
30.	19265	Gear—Ring
31.	64082	Case—Gear
32.	30375	Fitting—Grease
33.	44122	Spacer—Chuck
34.	10228	Bearing—Ball
35.	25439	Washer—Thrust (2)*
36.	30062	Roller—Torrington (2)*
37.	22703	Spindle—Chuck
38.	10040	Bearing—Needle (2)*
39.	19317	Ass'y—Gear & Bushing (2)*
40.	10203	Bearing—Ball
41.	57002	Screw—Soc. Hd. Cap (M5 x .8 x 30 MM)
42.	63523	Ass'y—Link
43.	64087	Nut—Eccentric
44.	64094	Pin
45.	64093	Plunger
46.	64086	Housing—Nibbler
47.	64088	Sleeve—Brass
48.	64090	Punch
49.	64092	Nut—Retainer
50.	64091	Die
51.	64089	Nut—Clamp

Remote Exhaust

Items Not Shown

- 63522 Ass'y—Nibbler Head (Includes Figs 41-51)
- 30096 Wrench—Allen-5/32" Hex

*Order Quantity As Required

**FURNISH CATALOG, SERIAL, AND MODEL NUMBER
WHEN ORDERING PARTS**



GENERAL SAFETY INSTRUCTIONS FOR AIR TOOLS

1. **KEEP WORK AREA CLEAN:** Cluttered areas and benches invite accidents.
2. **AVOID DANGEROUS ENVIRONMENT:** Keep work-area well lit,
3. **KEEP CHILDREN AWAY:** All visitors should be kept safe distance from work area.
4. **STORE IDLE TOOLS:** When not in use, tools should be stored in dry, high or locked-up place-out of reach of children.
5. **DON'T FORCE TOOL:** It will work best and safest at the designed rate.
6. **RIGHT TOOL USE:** Don't force small tool to do the job of a heavy-duty tool.
7. **WEAR PROPER APPAREL:** No loose clothing or jewelry to get caught in moving parts.
8. **USE SAFETY GLASSES:** Use safety glasses with most tools. Also face or dust mask if it is a cutting operation.
9. **SECURE WORK:** Use clamps or vise to hold work. It's safer than using your hand and it allows freedom of both hands to hold tool.
10. **DON'T OVERREACH:** Keep proper footing and balance at all times.
11. **MAINTAIN TOOLS WITH CARE:** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
12. **DISCONNECT TOOLS:** When not in use: before servicing; when changing accessories such as blades, bits, cutter, etc.
13. **REMOVE ADJUSTING KEYS AND WRENCHES:** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
14. **CAUTION:** The use of an accessory with this tool not provided or specified by SIOUX TOOLS may be hazardous.

WARNING



Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm.

ADVERTENCIA



El polvo generado al lijar, aserrar, afilar, taladrar y realizar otras tareas de construcción contiene sustancias químicas que podrían causar cáncer, malformaciones congénitas y otras alteraciones del aparato reproductor.

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