



INSTRUCTIONS & PARTS LIST FOR 1449HPBR, 1449HPR, & 1455HPR (Serial A)

AIR SUPPLY

The efficiency and life of this tool depend 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 air line filter, pressure regulator and lubricator is recommended.

Before connecting the tool, blow the air line 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 air line lubricators are recommended. Adjust to deliver 2 drops of SIOUX Air Motor Oil No. 288 per minute. When air line lubricator is not used, place 10-15 drops of SIOUX No. 288 oil into the air inlet twice daily.

The gearing is lubricated with SIOUX No. 289A grease and should be greased every 50 hours of operation.

OPERATION

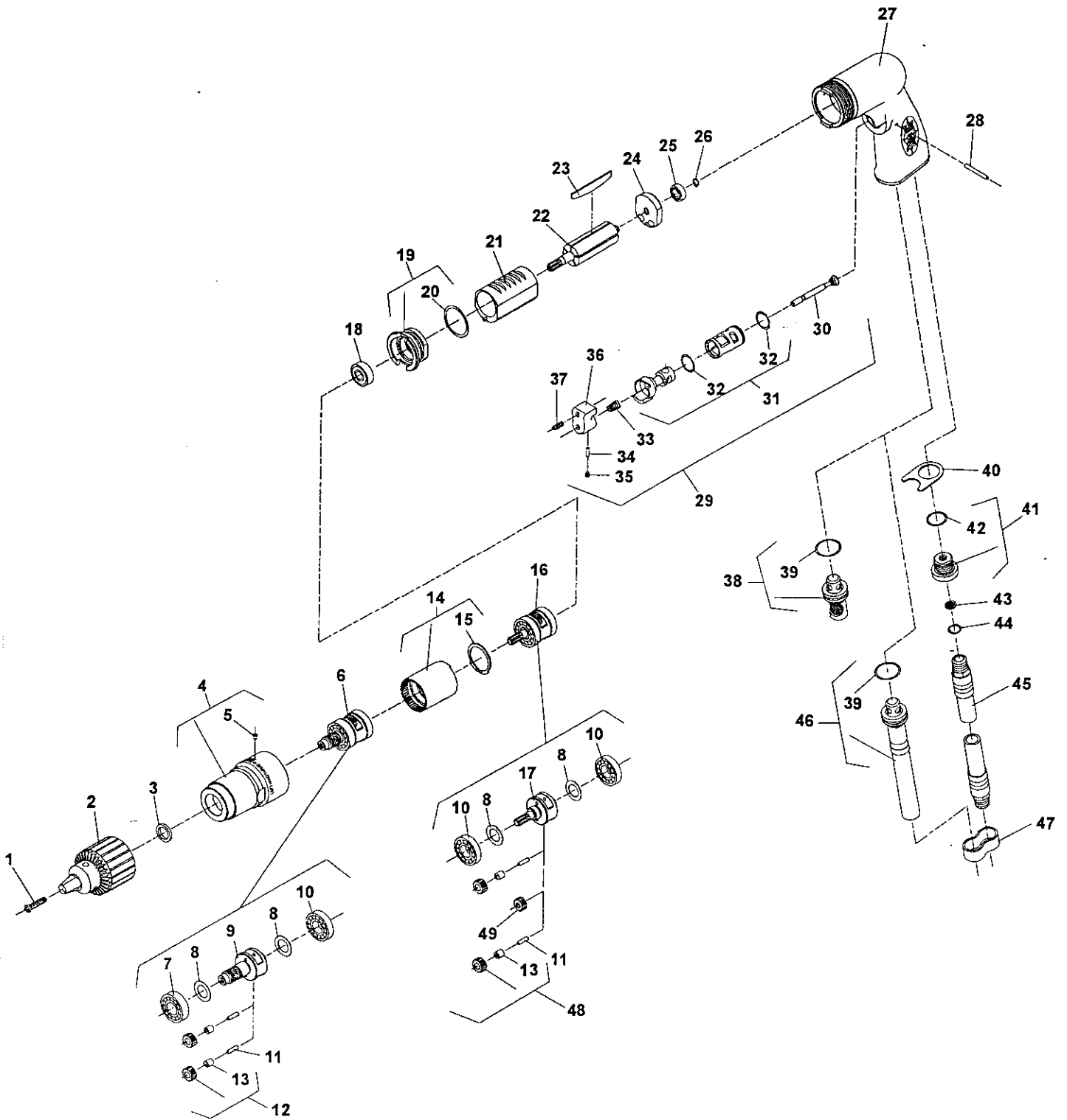
This tool is equipped with a teasing throttle. By slightly depressing the trigger the chuck will rotate slowly. This is useful for starting a drill bit without first spotting with a punch. By fully depressing the trigger the chuck will rotate at it's top speed.

If the gear case is removed or loosened, retighten to 35 ft. lb.

SIoux TOOLS INC.

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

Printed In U.S.A.



INSTRUCTIONS & PARTS LIST FOR 1449HPBR, 1449HPR, & 1455HPR (Serial A)

Fig- ure	Part No.	Name
1.	57250R	Screw—M5 x .8 x 20 LH Fil Phil Mach
2.	21137	Chuck (1/2" Cap, 1/2-20 Th'd)(1449HPBR)
	21131	Chuck (3/8" Cap, 1/2-20 Th'd)(1449HPR)
	21133	Chuck (3/8" Cap, 3/8-24 Th'd)(1455HPR)
	30011	Key—Chuck (1/2" Chuck)(1449HPBR)
	30002	Key—Chuck (3/8" Chuck) (1449HPR, 1455HPR)
3.	35798	Washer (1449HPR, 1449HPBR)
4.	64003	Case—Gear
5.	30375	Fitting—Grease
6.	63436	Ass'y—Planetary Reduction (1/2-20 Th'd)(1449HPR, 1449HPBR)
	63379	Ass'y—Planetary Reduction (3/8-24 Th'd)(1455HPR)
7.	10228	Bearing—Ball
8.	25439	Washer (4)*
9.	22704	Carrier—Gear (1/2-20 Th'd) (1449HPR, 1449HPBR)
	64163	Carrier—Gear (3/8-24 Th'd)(1455HPR)
10.	10203	Bearing—Ball (3)*
11.	30062	Pin (4)*
12.	19314	Ass'y—Gear & Bearing (2)*
13.	10040	Bearing—Needle (4)*
14.	19266	Gear—Ring
15.	21510	Ring—Retainer
16.	63386	Ass'y—Planetary Reduction (1449HPR, 1449HPBR)
	63377	Ass'y—Planetary Reduction (1455HPR)
17.	64160	Carrier—Gear (1449HPR, 1449HPBR)
	64159	Carrier—Gear (1455HPR)
18.	10220	Bearing—Ball
19.	13550	End Plate—Front
20.	14342	Ring—"O"
21.	64108	Cylinder
22.	54861	Rotor—8 Tooth (1449HPR, 1449HPBR)
	54860	Rotor—6 Tooth (1455HPR)

Fig- ure	Part No.	Name
23.	63192	Ass'y—Rotor Vane (Set of 5)
24.	10552	End Plate—Rear
25.	10230	Bearing—Ball
26.	21491	Ring—Retainer
27.	12660	Housing
28.	40157	Pin—Dowel (1/8" X 1 1/8")
29.	65217	Ass'y—Trigger
30.	54222	Valve
31.	65227	Valve Sleeve & Body
32.	14378	Ring—"O" (2)*
33.	21401	Spring
34.	40155	Pin—Dowel
35.	06458	Screw—Set (#8-32 X 3/16")
36.	12676	Trigger
37.	06459	Screw—Set (#8-32 X 1/2")
38.	63545	Ass'y—Silencer
39.	14366	Ring—"O"
40.	54968	Retainer—Exhaust
41.	54955	Adaptor—Inlet
42.	14281	Ring—"O"
43.	30463	Screen
44.	21541	Ring—Retainer
45.	1376	Ass'y—Leader Hose
46.	63546	Ass'y—Exhaust Tube
47.	40153	Clip—Hose (3)
48.	19314	Ass'y—Gear & Bearing (2)* (1449HPR, 1449HPBR)
	19331	Ass'y—Gear & Bearing (2)*(1455HPR)
49.	19267	Gear—Pinion (1455HPR)

Remote
Exhaust

NOT SHOWN:

2355 Ass'y—Side Handle (Optional)

*Order Quantity As Needed

Furnish Catalog, Serial and Model Number When Ordering Parts



INSTRUCTIONS AND PARTS LIST FOR 1449HP, 1449HPB DRILL (Serial B)

AIR SUPPLY

The efficiency and life of this tool depend 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 air line filter, pressure regulator and lubricator is recommended.

Before connecting the tool, blow the air line 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 air line lubricators are recommended. Adjust to deliver 2 drops of SIOUX Air Motor Oil No. 288 per minute. When air line lubricator is not used, place 10-15 drops of SIOUX No. 288 oil into the air inlet twice daily.

OPERATION

This tool is equipped with a teasing throttle. By slightly depressing the trigger the chuck will rotate slowly. This is useful for starting a drill bit without first spotting with a punch. By fully depressing the trigger the chuck will rotate at it's top speed.

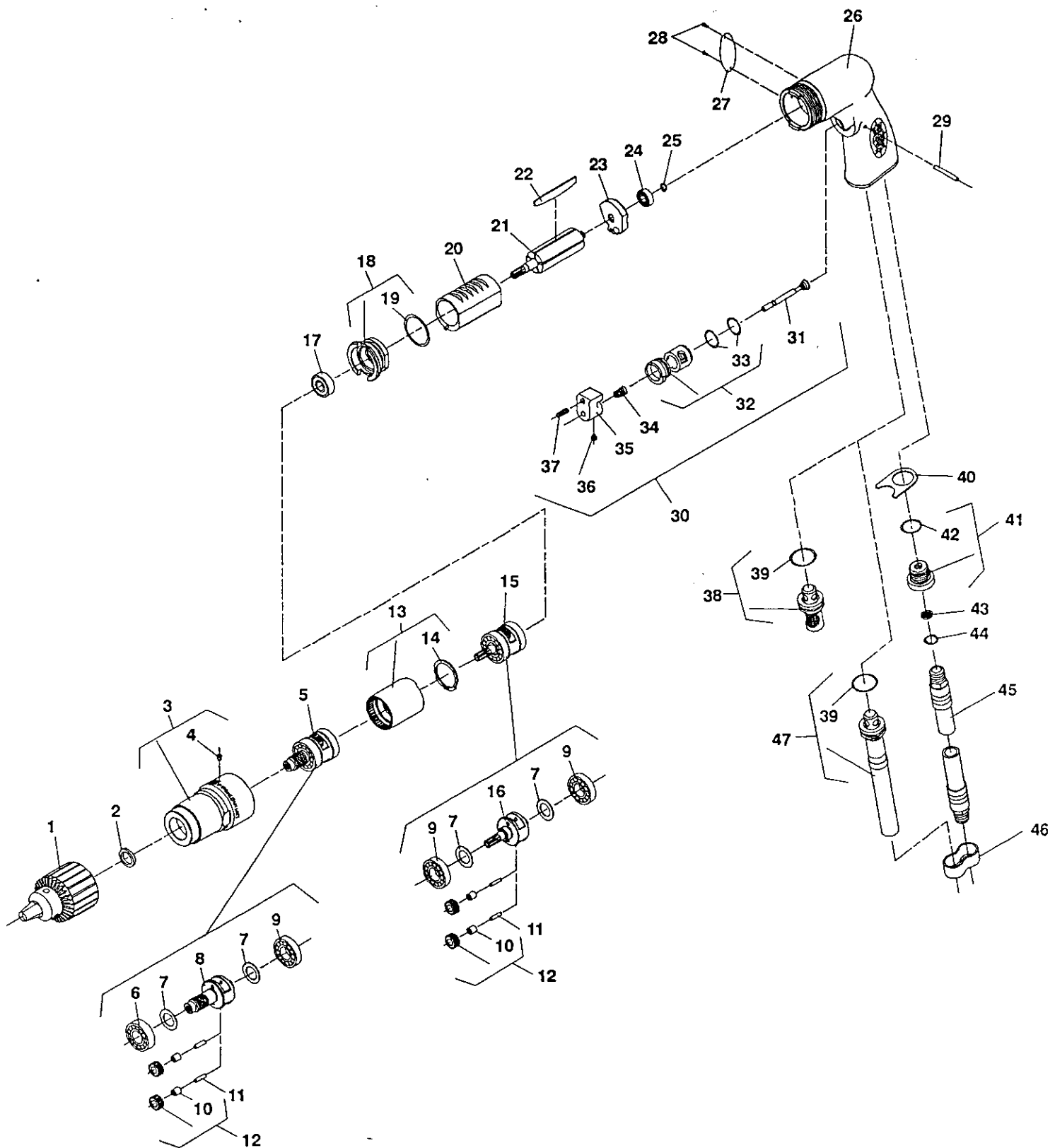
If the gear case is removed or loosened, retighten to 35 ft. lb.

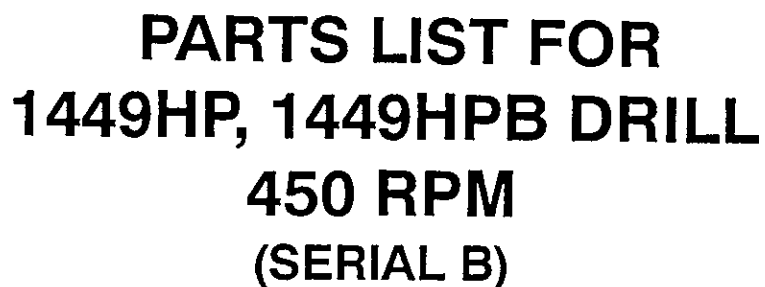
**SIOUX
TOOLS INC.**

2901 FLOYD BOULEVARD ■ SIOUX CITY, IOWA 51102-0507 ■



PARTS LIST FOR **1449HP, 1449HPB DRILL** **450 RPM** **(SERIAL B)**





*Order Quantity As Needed



Instructions and Parts List for 1449HPG DRILL

(Serial B)

AIR SUPPLY

The efficiency and life of this tool depend 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 air line filter, pressure regulator and lubricator is recommended.

Before connecting the tool, blow the air line 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 air line lubricators are recommended. Adjust to deliver 2 drops of SIOUX Air Motor Oil No. 288 per minute. When air line lubricator is not used, place 10-15 drops of SIOUX No. 288 oil into the air inlet twice daily.

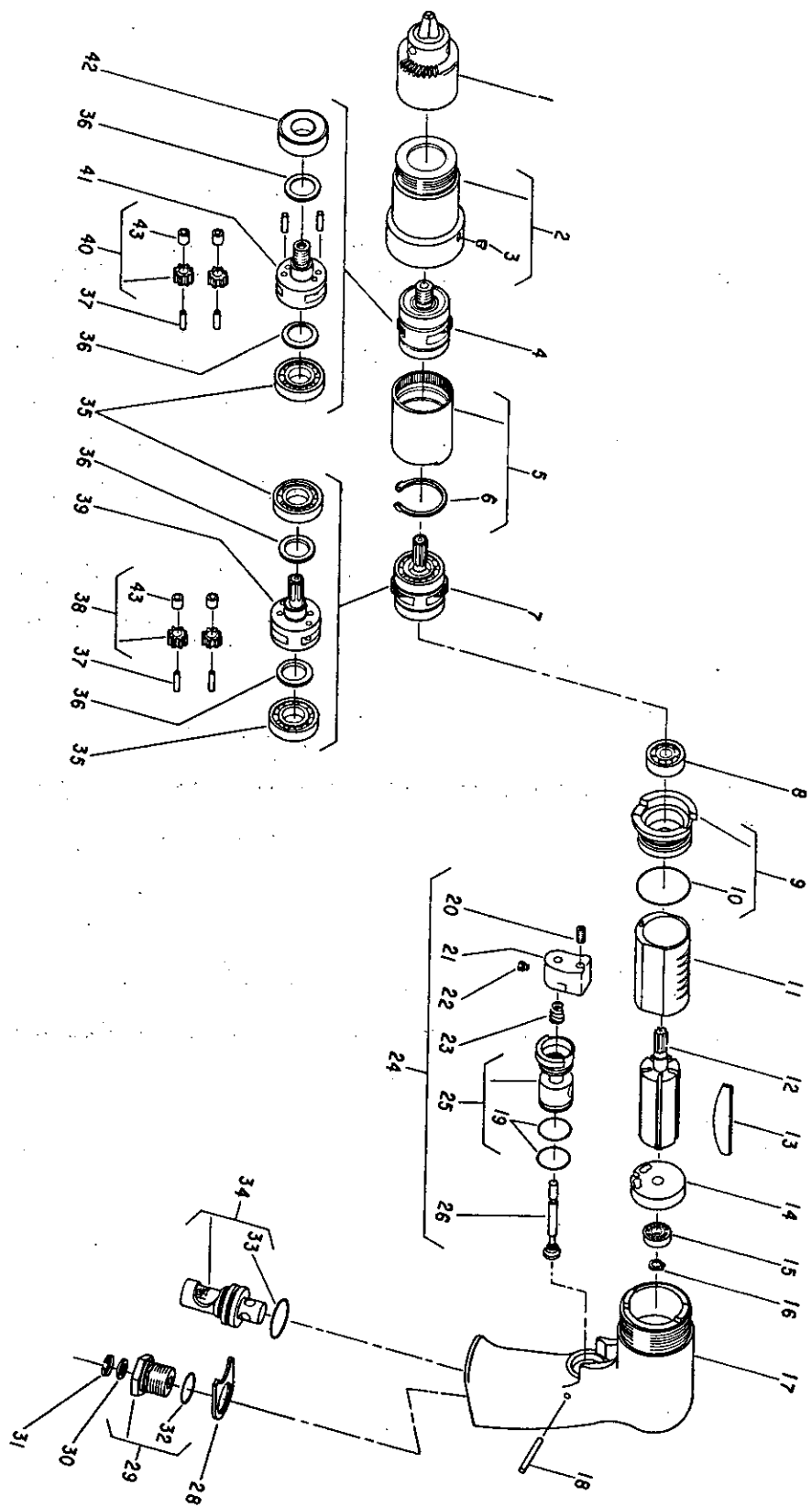
OPERATION

This tool is equipped with a teasing throttle. By slightly depressing the trigger the chuck will rotate slowly. This is useful for starting a drill bit without first spotting with a punch. By fully depressing the trigger the chuck will rotate at its top speed.

If the gear case is removed or loosened, retighten to 35 ft. lb.

**SIOUX
TOOLS INC.**

2901 FLOYD BOULEVARD ■ SIOUX CITY, IOWA 51102 ■



Parts List For 1449HPG 3/8" Drill Non. Rev. (350 R.P.M.)

Fig- ure	Part No.	Name	Fig- ure	Part No.	Name
1	21133	Chuck (1/16"-3/8" Cap)	23	21401	Spring
2	64003	Case—Gear	24	63359	Ass'y.—Trigger
3	30375	Fitting—Grease	25	11600	Body—Valve
4	63542	Ass'y.—Planetary Reduction	26	54222	Valve
5	19266	Gear—Ring	28	54968	Retainer—Exhaust
6	21510	Ring—Retainer	29	54955	Adaptor—Inlet
7	63533	Ass'y.—Planetary Reduction	30	30463	Screen
8	10220	Bearing—Ball	31	21541	Ring—Retainer
9	13550	End Plate—Front	32	14281	Ring—"O"
10	14342	Ring—"O"	33	14366	Ring—"O"
11	64108	Cylinder	34	63545	Ass'y.—Silencer
12	54860	Rotor—6 Tooth	35	10203	Bearing—Ball (3)*
13	63192	Ass'y.—Rotor Vane (Set of 5)	36	25439	Washer (4)*
14	10554	End Plate—Rear	37	30062	Pin (4)*
15	10230	Bearing—Ball	38	19317	Ass'y.—Gear & Bearing (2)*
16	21491	Ring—Retainer	39	64101	Carrier—Gear
17	12660	Housing	40	19314	Ass'y.—Gear & Bearing (2)*
18	40157	Pin—Dowel (1/8"x1 1/8")	41	22711	Carrier—Gear
19	14378	Ring—"O" (2)*	42	10228	Bearing—Ball
20	06459	Screw—Set (#8-32x3/16")	43	10040	Bearing—Needle (4)*
21	12676	Trigger			
22	06458	Screw—Set (#8-32x3/16")			

*Order Quantity As Needed