

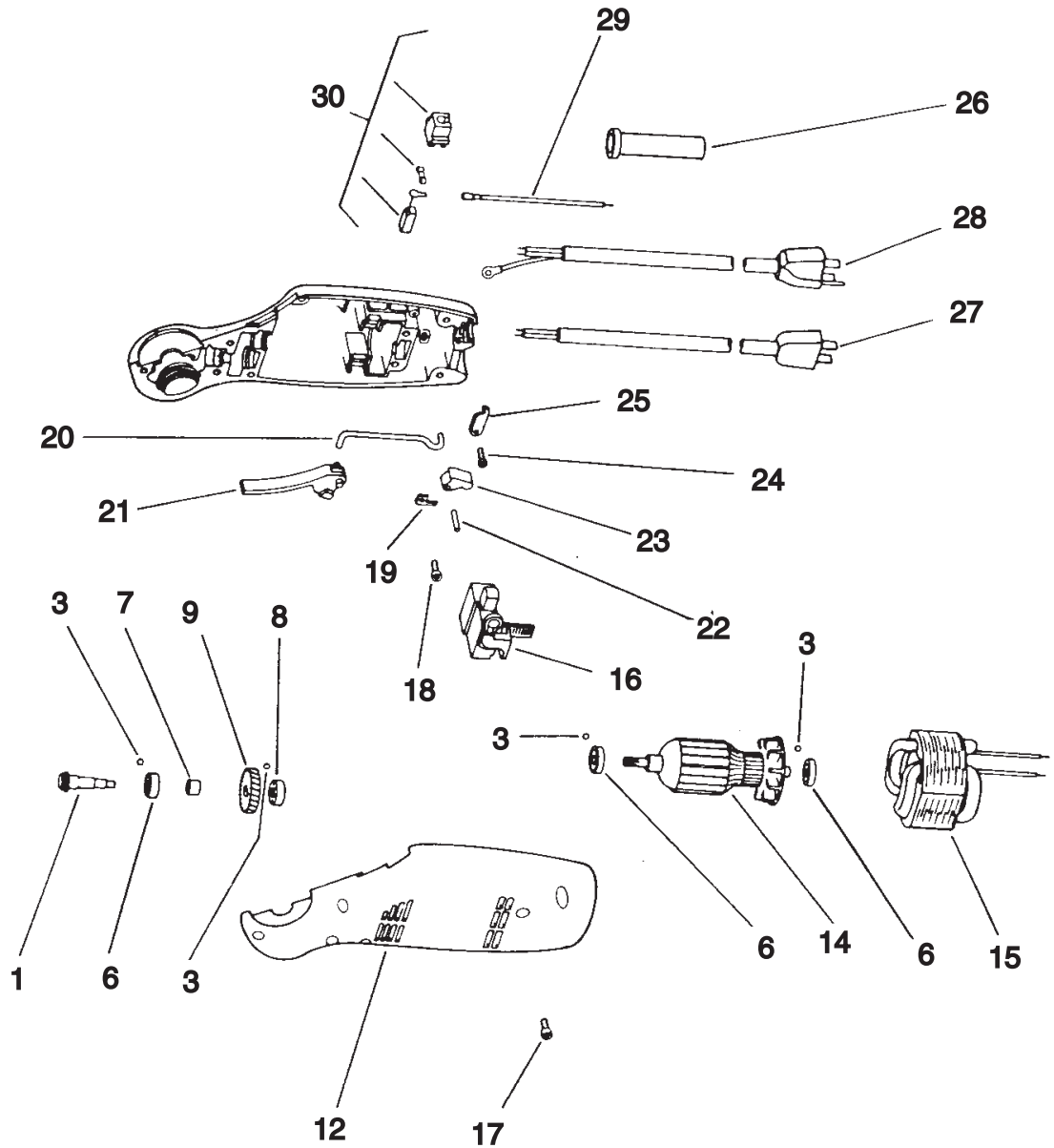


NOTE: Parts are no longer available for this tool.

The manual will continue on the next page.



INSTRUCTIONS & PARTS LIST FOR 8030 (1500RPM), 8035 (2500RPM) DRILL-DRIVER



**SIoux
TOOLS INC.**

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



INSTRUCTIONS & PARTS LIST FOR 8030 (1500RPM), 8035 (2500RPM) DRILL-DRIVER

Fig. No.	Part No.	Name
1.	65556	Ass'y—Gear & Pinion (Includes Fig. #13, Page 3) 1500RPM & 2500RPM
3.	04293	Ball—Rubber (4)*
6.	65470	Bearing—Ball (3)*
7.	64107	Spacer
8.	65476	Bearing—Ball
9.	19273	Gear
12.	63532	Ass'y—Housing (Includes Fig. [4] #3)
14.	28684	Armature & Bearings (115V, 2500RPM)
	28684J	Armature & Bearings (230V, 2500RPM)
	28676	Armature & Bearings (115V, 1500RPM)
	28676J	Armature & Bearings (230V, 1500RPM)
15.	28570	Field 115V
	28570J	Field 230V
16.	18218	Switch 115V
	18220	Switch 230V
17.	56201	Screw—Socket Head (M4 X .7 X 10)(8)*
18.	56202	Screw—Socket Head (M4 X .7 X 6)(Grounded Tools Only)*
19.	18622	Strip—Grounding (Grounded Tools Only)
20.	54716	Rod—Switch
21.	14166	Lever—Trigger
22.	40079	Pin
23.	14167	Bell Crank
24.	06105	Screw—Pan Head (6)*
25.	35587	Clamp—Strain Relief
26.	04291	Cord Protector
27.	18549	Cord 115V
		Cord 230V
28.	18460	Cord 115V (Grounded Only)
		Cord 230V (Grounded Only)
29.	28113	Terminal Wire (2)*
30.	63233	Brush & Holder (Pair)

Parts Not Shown:

20936	Decal—Reversing Lever (Set)
65236	Label—Bilingual
65555	Nameplate (8030)
65590	Nameplate (8030G)
65591	Nameplate (8035)
65592	Nameplate (8035G)
65637	Nameplate (8030J)
65640	Nameplate (8030GJ)
65641	Nameplate (8035J)
65642	Nameplate (8035GJ)

* Order Quantity As Needed



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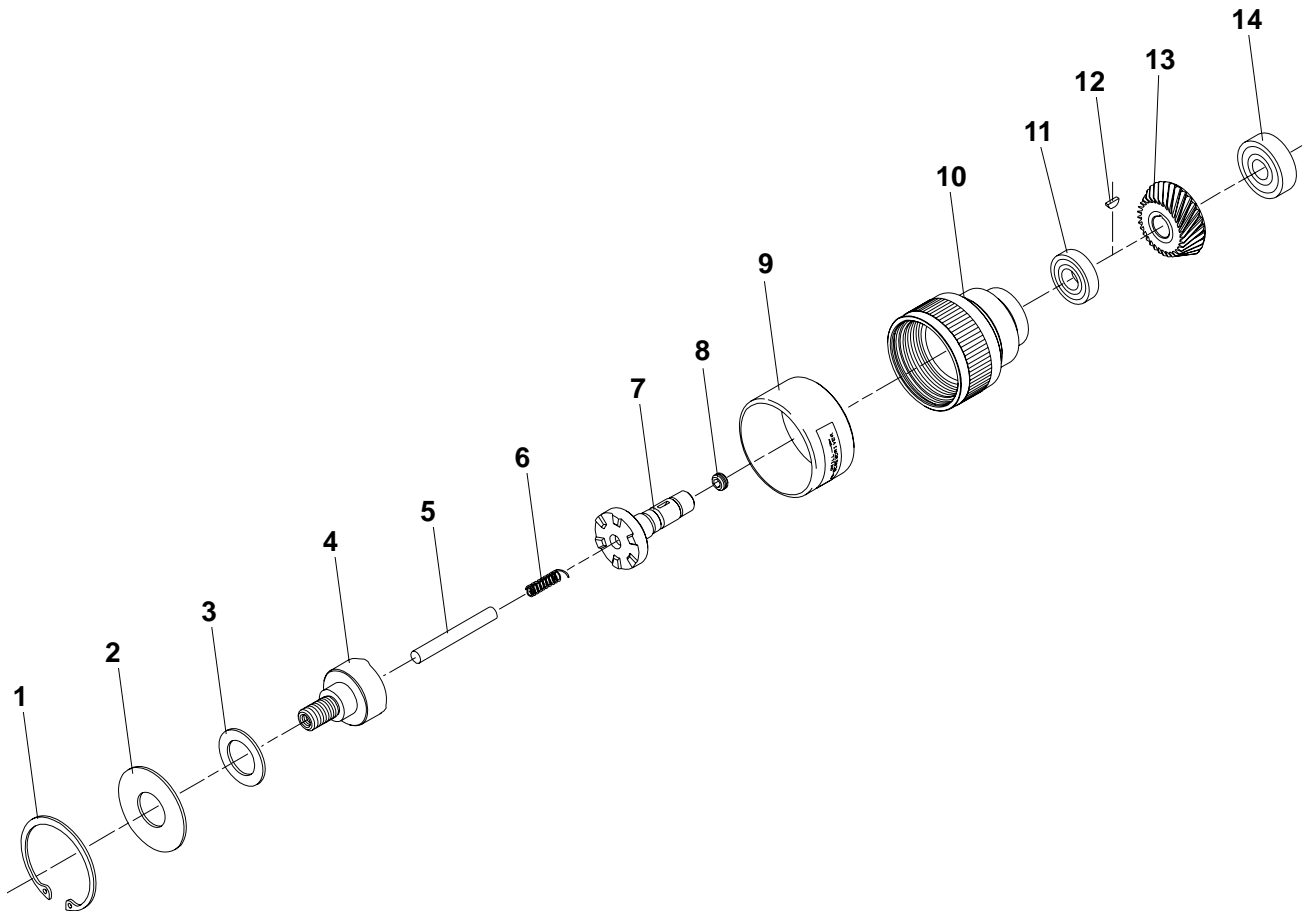


Fig. No.	Part No.	Name
1.	65550	Ring—Retainer
2.	65549	Washer
3.	65548	Washer—Service Set
4.	65753	Spindle—Output (Current 65° Jaw)
	65544	Spindle—Output (Early 45° Jaw)
5.	65551	Pin*
6.	21379	Spring
7.	65754	Spindle--Clutch (Current 65° Jaw)
	65545	Spindle—Clutch (Early 45° Jaw)
8.	65553	Screw—Jam Set (1/4–28 Thd)*
9.	65552	Sleeve
10.	65547	Clutch Body & Nut
11.	10241	Bearing—Ball
12.	40077	Key—Woodruff
13.	65556	Ass'y—Gear & Pinion (Includes Fig. 1, Page 2)(1500 & 2500RPM)
14.	10942	Bearing—Ball

Parts Not Shown:

65562	Chuck—Keyless
57250R	Chuck Retaining Screw
21133	Chuck 3/8
30002	Chuck Key

*Use Loctite #290



SERVICE INSTRUCTIONS FOR 8030 (1500RPM), 8035 (2500RPM) DRILL-DRIVER

CHUCK OPERATION

CAUTION: ALWAYS UNPLUG THE TOOL BEFORE OPENING OR CLOSING THE CHUCK.

1. Hold onto the large ring on the back of the chuck with one hand.
2. With the other hand grasp the nose of the chuck and turn it counter clockwise to open the chuck.
3. To close the chuck turn the nose clockwise.
4. Be sure to tighten the chuck firmly so the bit does not come out while the tool is operated.

CAUTION: NEVER USE THE DRILL MOTOR TO OPEN OR CLOSE THE CHUCK. DOING SO MAY CAUSE SERIOUS INJURY TO THE OPERATOR.

CLUTCH OPERATION

This tool may be operated as a direct drive drill or a push to engage screwdriver.

CAUTION: ALWAYS UNPLUG THE TOOL BEFORE CHANGING FROM DRILL TO SCREWDRIVER MODES.

1. To change to the screwdriver mode rotate the yellow shift ring in the reverse direction as shown on the ring. The ring will come to a soft stop after being rotated about one-third of a turn.
2. The chuck will now turn with the motor only when it is pressed in and the clutch jaws engage.
3. The torque applied to the driven fasteners will be proportional to the thrust applied to the tool. A ratcheting sound will be heard and felt when the clutch releases and over-runs.
4. To place the unit into the drill mode, UNPLUG THE DRILL, and push in on the chuck while turning it. You will feel the clutch jaws engage at some point. While holding the chuck in this position, turn the shifter ring firmly in the forward direction as marked until it stops.
5. The tool is now in the direct drive drill mode.

DIS-ASSEMBLY

1. Turn the selection sleeve to the drill mode position.
2. Open the drill chuck fully, and remove the chuck retaining screw using a #2 phillips screwdriver. This is a LEFT-HANDED screw.
3. Tighten the chuck on an allen wrench of about 1/4-3/8". Remove the chuck by holding the drill on a solid surface and striking the allen wrench so that the chuck unscrews.
4. Turn the sleeve to the screwdriver mode. Carefully remove the snap ring #65550 and washer #65549.
5. Next remove the threaded spindle #65753 and washer #65548. If the pin #65551 is damaged, it may be pressed out with a suitable drift inserted thru the chuck retaining screw hole. The replacement pin should be pressed into the spindle for an overall length of 2.530". The spring #21379 may be removed from inside the spindle by hooking it with a small wire or paper clip.
6. Service of the gears and bearings requires that the tool housing halves be separated. The shaft and clutch housing should be removed as a unit.
7. Gear #65556 and bearing #10942 may be removed from the shaft with a press and suitable pulling fixture.
8. Remove the key #40077 from the shaft.
9. Press the shaft #65754 thru the bearing #10241 and body #65547.
10. Bearing #10241 may be removed by pressing on the inner race with a drift. DO NOT RE-USE THIS BEARING.

ASSEMBLY INSTRUCTIONS

1. Press the bearing #10241 into the body #65547 until it bottoms. Add a small amount of Sioux #1198 grease to the bearing balls.
2. Press the shaft #65754 into the bearing #10241 while supporting the inner race.
3. Replace the key #40077 and the gear #65556.
4. Press the bearing #10942 onto the shaft while it is supported by the jaw end.
5. Install the shaft and clutch into the drill and close the housing halves. Replace the housing screws. Check for free rotation of the tool.
6. Replace the spring #21379 tang end first.
7. Place a liberal amount of Sioux #1232 grease in the hole with the spring and on the clutch jaws.
8. Replace the spindle #65753 and check for free rotation.
9. Install the washers #65548 and #65549 and the retaining ring #65550. Place the selection sleeve in the drill mode. There should be a small amount of end play in the threaded spindle. If there is none and the spindle drags use the thinner of the two small washers #65548 included in the service parts. Use the thickest possible washer to minimize free play in the assembly.
10. Install the chuck and retaining screw. Check for proper operation in the drill and screwdriver modes.

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This pdf incorporates the following model numbers:

8030, 8035