

\* Not used on all units.

⊙ Denotes Part in Seal Kit  
Use Part Name and Part Number when ordering.

**A** Supplied with item (71) ⊙

**B** Supplied with item (57) ⊙

Illus. Index No.	Part No.	Qty. Per Unit	PART NAME
75	04769	1	Drive Motor Control Block (Air)
	06266	1	Drive Motor Control Block (Water)
76	00175	1	O-Ring, 1/2 x 5/8 x 1/16 ⊙
77	00955	1	Pipe Plug, 1/8-27 NPT
78	04780	1	Washer
79	01411	1	O-Ring, .468 x .624 x .078 ⊙
80	07890	1	Roll Pin, 3/16 x 1-1/2
81	03009	1	Roll Pin, 3/16 x 1-3/8
82	04902	1	Ret. Ring, 1-1/4 Int.
83	00634	2	Nylon Cap Lock
84	04751	1	Washer
85	04771	1	Washer
86	04755	1	Seal Washer
87	02003	1	O-Ring, 9/16 x 3/4 x 3/32 (70 Duro) ⊙
88	04794	1	O-Ring, 1 x 1-1/4 x 1/8 (70 Duro) ⊙
89	04795	1	O-Ring, 1-1/4 x 1-1/2 x 1/8 (70 Duro) ⊙
90	04512	1	Retaining Ring 1/2
91	04764	1	Swivel Fitting
92	00106	1	O-Ring, 3/8 x 1/2 x 1/16
93	04765	1	Inlet Swivel Body
	04767	1	Street Elbow, 45°, 3/8-18
	04768	1	Valve - Water
	05202	1	Valve - Air
96	04801	1	Hose Assembly
97	00955	1	Pipe plug (c.c. only)
98	07064	1	Vent
99	06268	1	Tube Seal (Water)
100	05641	1	O-Ring, 2-3/8 x 2-1/2 x 1/16 (90 Duro) ⊙

Illus. Index No.	Part No.	Qty. Per Unit	PART NAME
1	07291	1	Capscrew, 5/8-11 UNC x 18" Hex Hd.
2	04786	2	Washer, 5/8", Flat
3	04964	2	Handle Grip Assembly
4	04054	3	O-Ring, 2-7/8 x 3-1/8 x 1/8 (90 Duro) ⊙
5	04060	1	Accumulator Cylinder
6	04059	1	Accumulator Diaphragm
7	04779	1	Accumulator Chamber
8	04660	1	Accumulator Housing
9	04386	1	Cup Seal, 1-1/8 x 1-5/8 x 3/8 ⊙
10	04750	1	Seal Retainer Washer
11	04066	1	Automatic Valve Body
12	04065	1	Automatic Valve
13	04068	1	Flow Sleeve Tube
14	07889	1	Flow Sleeve
15	04734	1	Piston (Air)
	06265	1	Piston (Water)
16	04783	1	Motor Control Valve
17	04773	1	Valve Guide
18	01605	1	O-Ring, .644 x .818 x .087 (90 Duro) ⊙
19	04753	1	Motor Control Knob
20	00842	1	Set Screw
21	01362	1	O-Ring, 5/16 x 7/16 x 1/16 (90 Duro) ⊙
22	00783	2	Pipe Plug, 1/16-27 NPT
23	03826	2	Bearing
24	04033	1	Gear
25	04744	1	Drive Motor Chamber
26	04748	1	Motor Plate
27	04075	4	Side Rod Nut
28	04756	1	Latch Washer
29	04758	1	Spring
30	04759	1	Spring Back-up
31	04761	1	Wire Retaining Ring
32	04721	1	Latch
33	04760	2	Cup Seal ⊙
34	04787	1	Key
35	04788	2	Bearing
36	01277	1	O-Ring, 3-3/4 x 3-7/8 x 1/16 ⊙
37	04752	1	Drive Gear
38	04784	1	Drive Hex, 1" x 4-1/4 (Air)
	06267	1	Drive Hex, 1" x 4-1/4 (Water)
	05195	1	Drive Hex, 7/8" x 4-1/4 (Air)
39	04789	1	Thrust Washer
40	04754	1	Thrust Back-up Washer
41	04790	1	Cup Seal ⊙
42	04073	1	O-Ring, 2-5/8 x 2-7/8 x 1/8 (90 Duro) ⊙
43	04072	1	Cup Seal ⊙
44	04373	4	Side Rod
45	04067	4	Push Pin, 5/16 x 2
46	04571	2	Push Pin, 3/16 x 1-1/4
47	04763	1	Air Tube
48	04778	1	Blower Tube Nut
49	00026	2	O-Ring, 3/16 x 5/16 x 1/16 ⊙
50	04776	1	Tube Connector
51	01714	1	Hex Nut, 5/18-11 UNC
52	03047	1	Roll Pin, 3/16 x 3/4
53	04774	1	Gasket ⊙
54	01217	2	Capscrew, 3/8-16 x 2-1/4 Hex Soc. Hd.
55	04775	1	Charge Valve Cap
56	04052	1	O-Ring, 1.048 x 1.280 x .116 (90 Duro) ⊙
57	04051	1	Charge Valve
58	00016	1	O-Ring, 9/16 x 11/16 x 1/16 ⊙
59	04781	1	Inlet Flange
60	02688	3	Capcrew, 5/16-18 x 3/4 Hex Soc. Hd.
61	04791	1	Kap Seal ⊙
62	04792	1	Kap Seal ⊙
63	05152	1	Stanley Sticker
64	04793	1	Kap Seal ⊙
65	04718	1	Valve Lever
66	04147	1	Hex Nut, 1/2-20 UNF, Locking Jam
67	04777	1	Throttle Valve
68	03786	1	GPM Sticker
69	04772	1	Orifice Plug
70	04796	1	Name Tag (Not Illustrated)
71	01652	2	Hose Assembly
72	00713	2	Dowel Pin, 1/4 x 1
73	04965	1	Water Tube
74	00772	1	Key

# SEAL KIT DATA

Part No.	Qty.	Description
<b>Seal Kit Part No. 04805</b>		
04054	3	O-Ring
04386	1	Cup Seal
01605	3	O-Ring
01362	1	O-Ring
04760	2	Cup Seal
01277	1	O-Ring
04790	1	Cup Seal
04073	1	O-Ring
04072	1	Cup Seal
00026	2	O-Ring
00678	1	O-Ring

Part No.	Qty.	Description
04774	1	Gasket
04052	1	O-Ring
00016	1	O-Ring
04791	1	Kap Seal
04792	1	Kap Seal
04793	1	Kap Seal
00175	1	O-Ring
01411	1	O-Ring
02003	1	O-Ring
04794	1	O-Ring
04795	1	O-Ring
00106	1	O-Ring
05641	1	O-Ring
06268	1	Tube Seal

## ACCUMULATOR CHARGING INSTRUCTIONS

### TO CHECK OR CHARGE YOUR ACCUMULATOR YOU NEED:

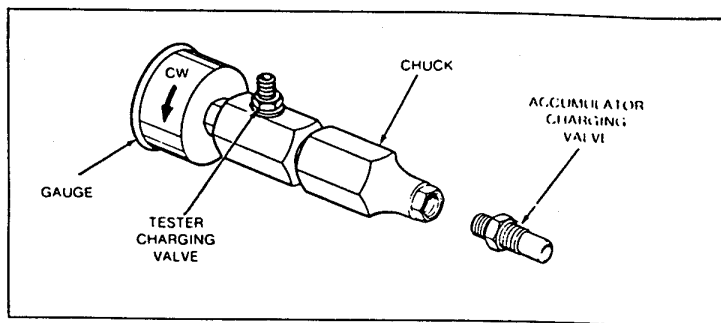
1. The Stanley No. 02835 accumulator tester was developed for use with Stanley Tools for testing and can be used as an extension during charging.
2. A Charging Assembly including a regulator, hose and fittings, Stanley No. 06929 or Stanley No. 06545.
3. A NITROGEN bottle with an 800 psi minimum charge.

### TO CHECK ACCUMULATOR PRESSURE (Using Stanley Tester):

1. Holding the chuck end of tester, turn the gauge counter clockwise until reaching the stop, to ensure the valve is completely retracted.
2. Loosen 5/8 Hex charge valve nut 1-1/2 turns.
3. Thread tester on to charging valve of accumulator. (Do not advance gauge end into chuck end, turn as a unit).
4. Seat the chuck to the charging valve of the accumulator (hand tighten only).
5. Advance the valve by turning the gauge end clockwise until a pressure is read on the gauge. (Charge pressure should be 500-700 psi.)
6. Reverse above procedure.

### TO CHARGE ACCUMULATOR (Using Stanley Tester):

1. Follow above procedure through Item 4 (Item 5 optional). If accumulator tester is not used see Item 2 above.
2. Attach chuck from nitrogen supply to accumulator tester or directly to drill charge valve and charge accumulator to 600 psi. (NOTE: It may be required to adjust regulator to 650-700 psi to overcome pressure drop thru charging valve.)
3. Reverse above procedure.



## OPERATING INSTRUCTIONS SK58 SINKER DRILL

### FLUSHING REQUIREMENTS

Air: 25 CFM at 75 psi minimum

Water: 1-3 GPM at 30 psi. Shank size 1" Hex x 4-1/4", 5/16 Tube Size

Only sectional drill steel utilizing a striking bar with 5/16" shank seal (Disogrin # 013103000B) can be used. Stanley No. 05192 includes the striking bar and Stanley No. 06929 seal.

### OPERATION:

Water/Air flow must be continuous during drilling to avoid clogging of water/air passages and/or backflushing of waste products into drill.

In starting a hole it is advantageous to throttle the tool at a slow cycle rate with or without rotation on to establish a starting hole prior to full power operation. This can be accomplished by moving the valve lever to a position midway between full on (90° rotation) and full off. The rotation control knob is located on the rotation motor and controls motor speed from off (full clockwise rotation) to approximately 300 RPM at full open.

When drilling holes in excess of 10 feet deep with air it is advantageous to stop drilling every 1-2 min., shutting off air supply to charge receiver and/or hoses, and quickly open air line to blow excess cuttings from hole, before proceeding.

### PREVENTATIVE MAINTENANCE FOR WATER FLUSH SINKER DRILL

After each use the tool should be turned upside down (without the drill steel) and oil (such as WD140 or other water dispersant) should be sprayed into the drive hex and the holes in the side of the motor control block to flush out any remaining water or debris. The tool should then be cycled hydraulically several times before putting away.

For other service requirements, refer to the Sinker Drill Service Instructions.

NOTE: Air and Water models cannot be used interchangeably.

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## Stanley Hydraulic Tools

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