

Cat. No. 704 "SK" VALVE
3/4-14 NPSM-STRAIGHT PIPE THREAD
REPLACEMENT PARTS

All prices subject to change without notice.
 Sportsways reserves the right to accept or reject any order.

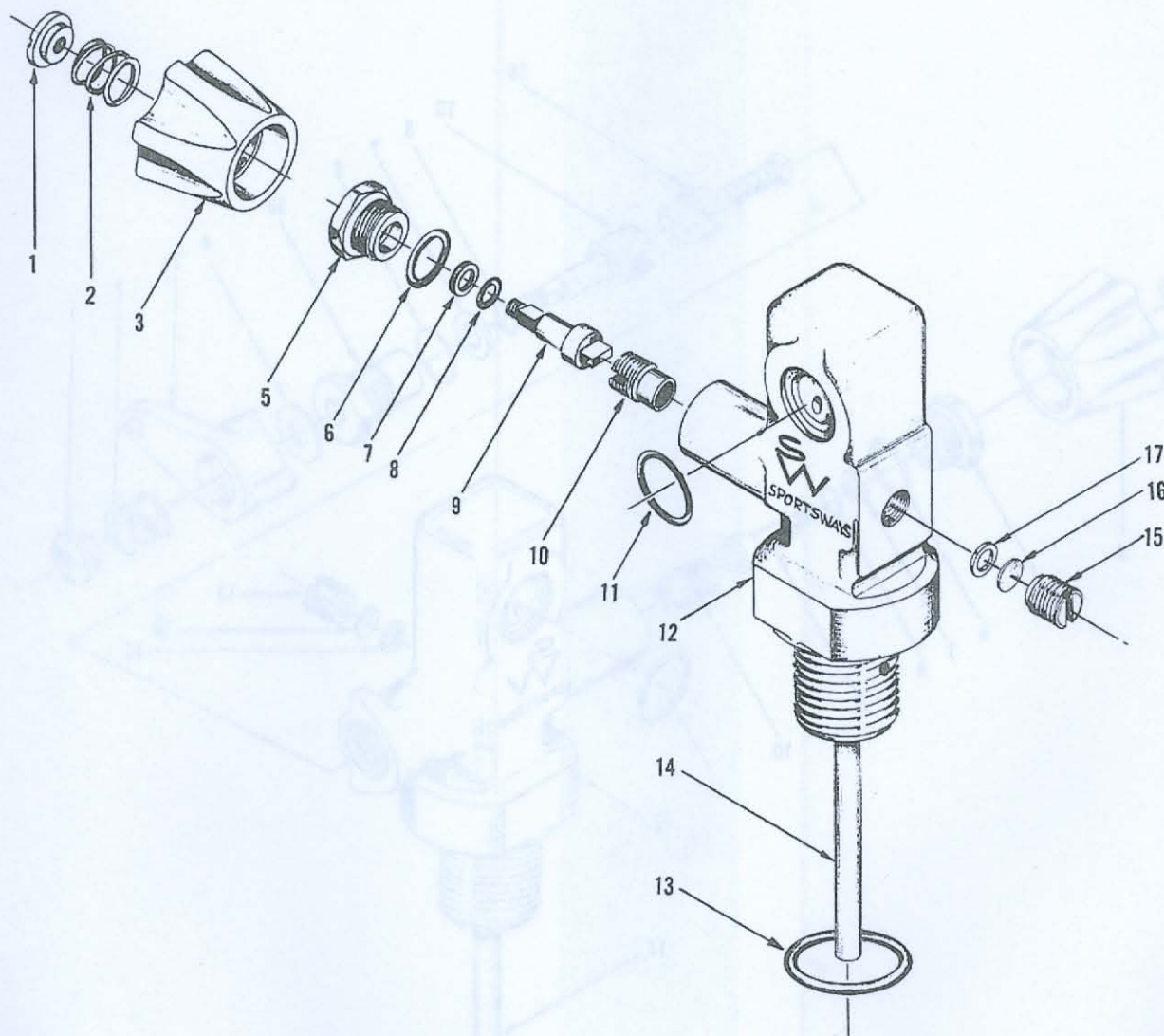


Fig. No.	Part No.	Description
1	1100-12	Stem Nut
2	1100-11	Spring
3	1120-6	Knob
5	1100-5	Seal Nut
6	1100-2	"O" Ring
7	1100-8	Washer Seal
8	1100-31	"O" Ring
9	1100-10	Valve Stem

Fig. No.	Part No.	Description
10	1100-33	Shut Off Unit
11	801-2	"O" Ring
12	703	Body
13	801-1	"O" Ring
14	1100-23	Tube
15	1100-26	Safety Screw
16	1100-27	Safety Disc
17	1100-28	Safety Washer

Cat. No. 704A "SJ" VALVE
3/4-14 NPSM-STRAIGHT PIPE THREAD
REPLACEMENT PARTS

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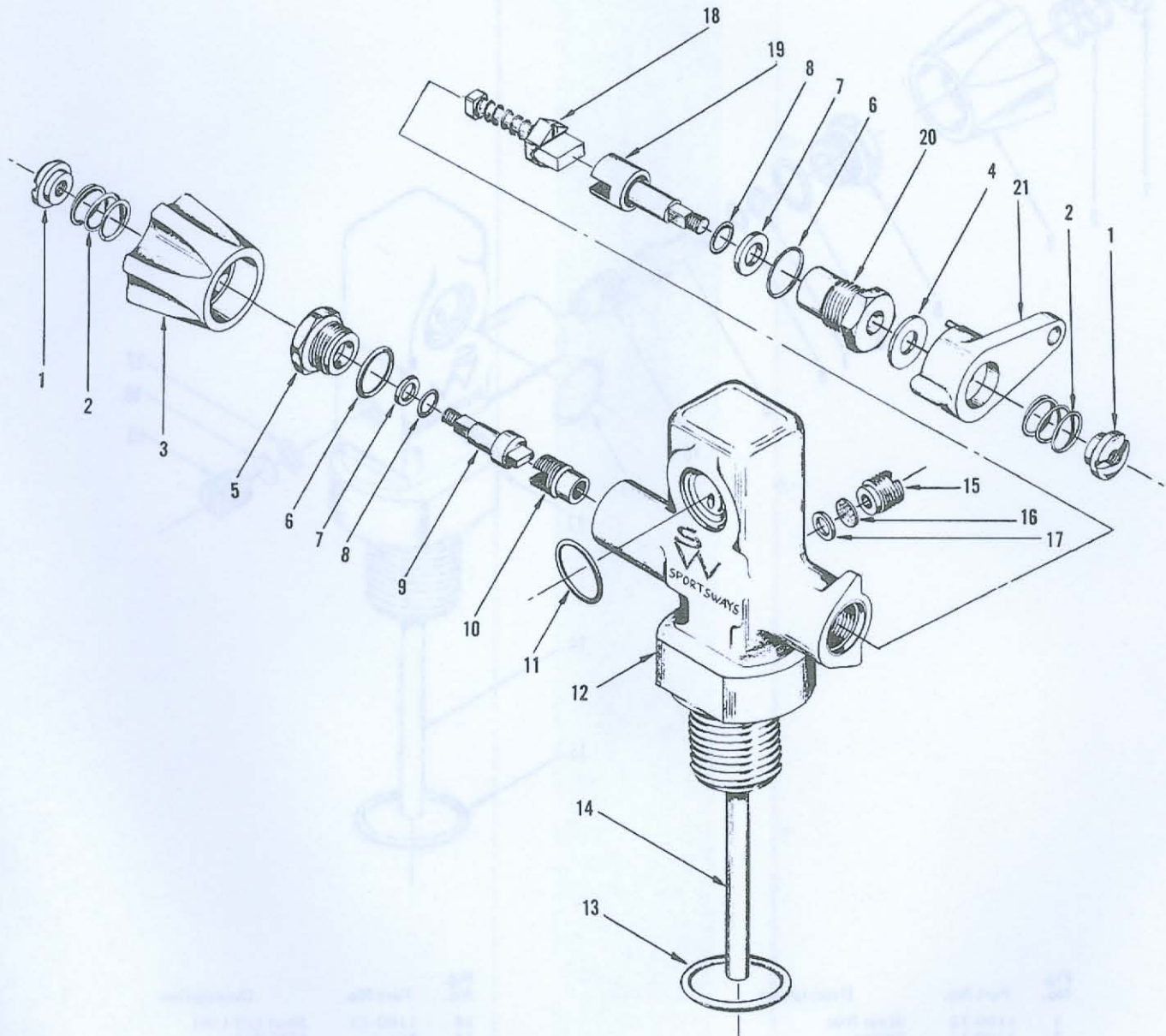


Fig. No.	Part No.	Description
1	1100-12	Stem Nut
2	1100-11	Spring
3	1120-6	Knob
4	1100-7	Washer
5	1100-5	Seal Nut
6	1100-2	"O" Ring
7	1100-8	Washer Seal
8	1100-31	"O" Ring
9	1100-10	Valve Stem
10	1100-33	Shut Off Unit
11	801-2	"O" Ring

Fig. No.	Part No.	Description
12	703A	Valve Body
13	801-1	"O" Ring
14	1100-23	Tube
15	1100-26	Safety Screw
16	1100-27	Safety Disc
17	1100-28	Safety Washer
18	1100-32	Reserve Sub-Assembly
19	1100-22	Reserve Stem
20	1100-15	Seal Nut
21	1100-37	Reserve Arm

NOTE: Bleed air from tank prior to removing an "SJ" or "SK" valve. Never disassemble a valve when it is attached to a tank.

Cat. No. 704 A
"SJ" Valve, 3/4" - 14 NPSM-Straight Pipe Thread

DISASSEMBLY PROCEDURE

STEP NO.	FIG. NO.	PART NO.	DESCRIPTION	PROCEDURE
1	1	1100-12	Stem Nut	Unscrew from shut off side of valve.
	2	1100-11	Spring	Remove
	3	1120-6	Knob	Remove
	5	1100-5	Seal Nut	Unscrew with 3/4" box wrench. Remove o-ring #6.
	9	1100-10	Valve Stem	Lift out and remove washer seal #7 & o-ring #8.
2	10	1100-33	Shut Off Unit	Unscrew from body with a screwdriver.
	1	1100-12	Stem Nut	Unscrew from reserve arm on valve.
	2	1100-11	Spring	Remove
	21	1100-37	Reserve Arm	Remove
	4	1100-7	Washer	Remove
3	20	1100-15	Seal Nut	Unscrew with 3/4" box wrench. Remove o-ring #6.
	19	1100-22	Reserve Stem	Lift out & remove washer seal #7 & o-ring #8.
	18	1100-32	Reserve Sub-Assembly	Lift out.
	*15	1100-26	Safety Screw	Unscrew from body with modified screwdriver, tool #T761-4.
	*16	1100-27	Safety Disc	Pull out by using a small amount of grease at the end of a pencil eraser.
4	*17	1100-28	Safety Washer	Remove
	*NOTE: When cleaning and overhauling do not remove Fig #15, 16 and 17 unless a leak is detected in this area. Removal necessitates using a new safety disc #16 and safety washer #17.			
	13	801-1	O-Ring	Remove from bottom of valve.
	11	801-2	O-Ring	Remove from face of valve.

ASSEMBLY PROCEDURE

1	17	1100-28	Safety Washer	Insert into back of valve.
	16	1100-27	Safety Disc	Place on top of washer.
	15	1100-26	Safety Screw	Screw into valve body.
2	10	1100-33	Shut Off Unit	Apply very slight amount of silicone grease on thread and install into the body.
	9	1100-10	Valve Stem	Install o-ring #8 followed by #7 washer seal on stem. Insert stem so that it engages slot of shut off unit #10.
	5	1100-5	Seal Nut	Lubricate lightly o-ring #6 with silicone grease & place on nut. Lubricate threads lightly with silicone grease and install into body snugly.
3	3	1120-6	Knob	Place over valve stem #9.
	2	1100-11	Spring	Place in recess in knob #3.
	1	1100-12	Stem Nut	Screw down snugly onto the stem.
4	18	1100-32	Reserve Sub-Assembly	Place into body, making certain cam is in a horizontal position and disengaged. Be sure unit is properly seated.
	8	1100-31	O-Ring	Lubricate o-ring with silicone grease lightly and install on reserve stem #19.
	7	1100-8	Washer Seal	Install over stem.
	19	1100-22	Reserve Stem	Insert stem so that it engages the cam of the reserve sub-assembly #18.
	6	1100-2	O-Ring	Lubricate o-ring with silicone grease lightly and install on seal nut #20.
5	20	1100-15	Seal Nut	Apply very slight amount of silicone grease on the thread and install into body snugly.
	4	1100-7	Washer	Place over stem #19.
	21	1100-37	Reserve Arm	Place over stem.

POSITIONING OF RESERVE ARM

(A) If valve has been properly assembled - reserve arm should be in up position.

(B) Reserve arm in up position; blow through valve, no air should escape.

6	2	1100-11	Spring	Place in recess of reserve arm.
7	1	1100-12	Stem Nut	Screw snugly into stem.
8	11	801-2	O-Ring	Place into face of body. (Do not lubricate)
9	13	801-1	O-Ring	Replace on bottom of valve over threads. If threads are bruised use a 3/4" - 14NPSM straight pipe re-threading die to clean. (Tool #T761-7)

NOTES:

TROUBLE SHOOTING

PROBLEM	ORIGIN	CAUSE	REMEDY
SHUT OFF SECTION Air leakage around Knob Air leakage at face of valve	Seal nut #5, o-ring #6 or #8 Shut off unit #10	Seal nut not tight or o-rings damaged Foreign matter or damaged. Nicks, or deterioration	Tighten or replace o-rings as necessary Replace where necessary
RESERVE SECTION Air leakage from reserve arm Reserve operation	Seal nut #20 or o-rings #6 or #8 Reserve assembly #18	Seal nut not tight or o-rings damaged Foreign matter or damage	Tighten or replace o-rings as necessary Check operation with supply pressure between 200-300 PSI. Noticeable restriction of air flow thru tube will be noticed. If not clean or replace.
NOTE: Additional causes could be dirt, sand, wear or verdigris.			

INSPECTION & REPAIR PROCEDURE

STEP NO.	FIG. NO.	PART NO.	DESCRIPTION	PROCEDURE
1	10	1100-33	Shut Off Unit	Look for scratches, foreign matter or deep impressions on nylon seat.
2	12	703A	Valve Body	Look at body and check seats for scratches and thread damage or other defects.
3	7	1100-8	Washer Seal (2 ea)	Look for distortion.
4	8	1100-31	O-Ring (2 ea)	Look for damage or distortion.
5	6	1100-2	O-Ring (2 ea)	Look for damage or distortion.
6	4	1100-7	Washer	Look for damage or distortion.
7	18	1100-32	Reserve Sub-Assembly	Look for scratches, nicks, foreign matter or deep impressions on teflon seat.

CLEANING PROCEDURE

1. All metal parts with exception of the shut off unit (Fig. 10) & reserve sub-assy. (Fig. 18) are to be cleaned in 50/50 solution of water and white vinegar and rinsed thoroughly with fast running water. Dry with air hose or cloth. (NOTE: Do not try to remove seat from shut off unit #10 or reserve sub-assy. #18).
2. Extremely heavy verdigris may be removed with fibrous wheel or fine wire brush.
3. All rubber and plastic parts including Fig No. 10 and 18 should be thoroughly washed in warm, soapy water and rinsed in fresh water.
4. Lubricate all o-rings, except 801-2 (Fig. No. 11), lightly with silicone grease.
5. Suggested replacement parts:
 (1100-33) shut off unit, (1100-31) O-ring (2 ea), (1100-2) O-ring (2 ea),
 (1100-7) washer and (1100-8) washer seal (2 ea).

NOTES: