

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.

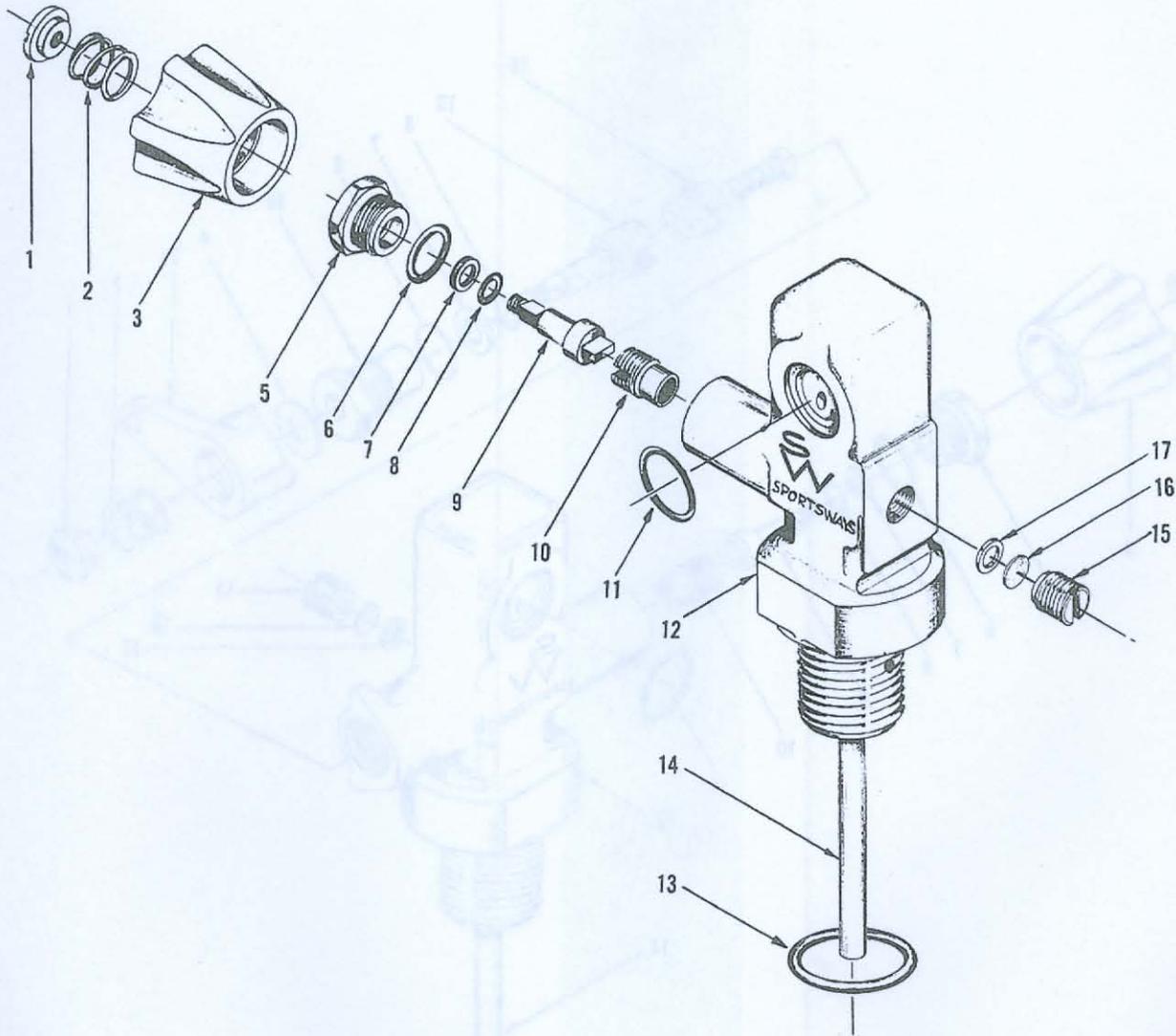


Fig. No.	Part No.	Description
1	1100-12	Stem Nut
2	1100-11	Spring
3	1120-6	Knob
5	1100-5	Seal Nut
6	1100-2	"O" Ring
7	1100-8	Washer Seal
8	1100-31	"O" Ring
9	1100-10	Valve Stem

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

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

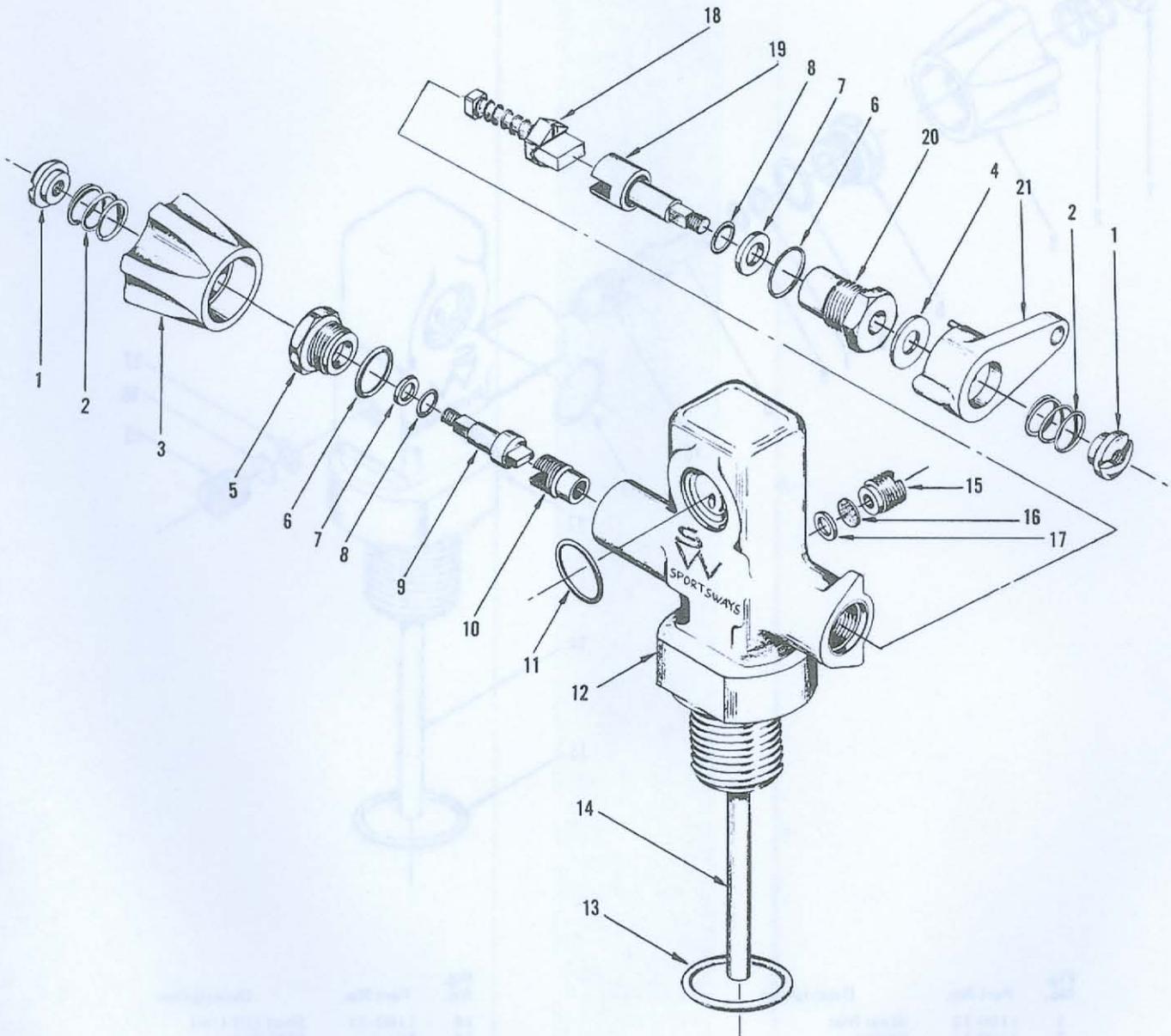


Fig. No.	Part No.	Description
1	1100-12	Stem Nut
2	1100-11	Spring
3	1120-6	Knob
4	1100-7	Washer
5	1100-5	Seal Nut
6	1100-2	"O" Ring
7	1100-8	Washer Seal
8	1100-31	"O" Ring
9	1100-10	Valve Stem
10	1100-33	Shut Off Unit
11	801-2	"O" Ring

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.
	*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.				
4	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

- 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).
- Extremely heavy verdigris may be removed with fibrous wheel or fine wire brush.
- All rubber and plastic parts including Fig No. 10 and 18 should be thoroughly washed in warm, soapy water and rinsed in fresh water.
- Lubricate all o-rings, except 801-2 (Fig. No. 11), lightly with silicone grease.
- 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: