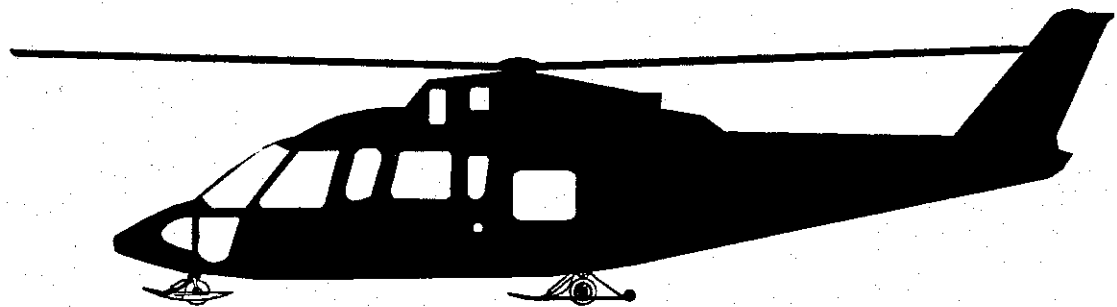
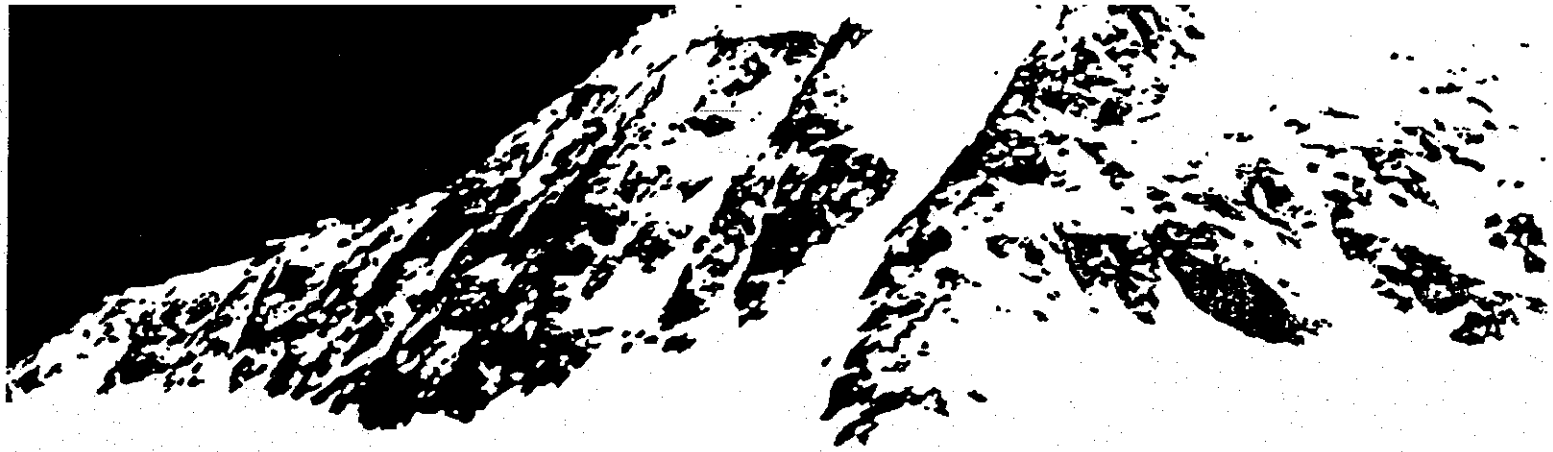




MAINTENANCE, SERVICE INSTRUCTIONS & ILLUSTRATED PARTS LIST

AIRGLAS®

Model L11700 Ski Kit
for
Sikorsky S-76 Helicopter

CODE IDENT. NO. 17564

AIRGLAS MANUAL NO. L11700-105

AIRGLAS ENGINEERING CO., INC.
ANCHORAGE, ALASKA 99519

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AIRGLAS MODEL L11700 SKI KIT

SKI SPECIFICATION

At a gross weight of 11,700 lbs the floatation of the Airglas L11700 ski kit is 2.88 lbs per square inch of ski.

MAIN SKIS

-AIRGLAS P/N L11700-01

Dimensions	67.2"x 26.0"
Approx. Area per Ski	1,609 in. ²
Approx. Weight per Ski	50.0 (WITHOUT HARDWARE) lbs.
C.G. of Ski	4.0" Fwd. of Wheel well

NOSE SKIS

-AIRGLAS P/N L11700-03

Dimensions	39.6"x 28.2"
Approx. Area per Ski	852.2 in. ²
Approx. Weight per Ski	27.5 lbs.
C.G. of Ski	3.2 "Fwd. of Wheel well

CONSTRUCTION -

The main body of the ski is composite (with Fiberglas being the primary material) using a Isophthalic Polyester resin. The top finish is a red Isophthalic Polyester Gelcoat (flex), while the bottom finish is a powdered Teflon coating (an epoxy coating is underneath the Teflon coating).

AIRGLAS MODEL L11700 SKI KIT**GENERAL SKI MAINTENANCE :**

When bottom surface becomes excessively scratched or worn, it may be sanded down with a small belt or disc sander and re-coated with a brush application of the epoxy coating 4B2. This is allowed to cure at room temperature and is then roughed up. A kit for this process is obtainable from manufacturer. If major repairs are necessary, manufacturer can advise on proper procedure.

TYPES OF POSSIBLE DAMAGE :**A.) Negligible damage :**

1. Small nicks, scratches or abraded areas in top or bottom of ski.

B.) Repairable damage :

- 1.) Cracks or fractures - 2" or less in length Airglas does not need to be consulted.
Longer than 2" Airglas should be consulted.
- 2.) Delamination - a delamination of 0.5" deep (into the ski) and 2 - 4 inches in length.
- 3.) Small holes max. 2" dia.
- 4.) Abrasion, bottom wear due to contact with rocks etc., bottom coatings worn through to glass fibers.
- 5.) Replacement of loose or missing rivets
- 6.) Replacement of main ski wear strips.

C.) Non - repairable damage

- 1.) Delamination of the ski within 3 inches of any rigging attachment hardware
- 2.) Cracks or fractures longer than 2"

AIRGLAS MODEL L11700 SKI KIT

PRE-FLIGHT

- (A) Visually check spring cylinder (AIRGLAS P/N L11700-7 & L11700-14) attachment points for missing cotter pins or keys. Confirm that all jam nuts on the spring cylinders are not loose.
- (B) Visually check all cable attachment points for missing cotter pins or keys. Confirm that the cables are in good condition and that there is no visible wear.
- (C) Check the main ski inboard axle adapter (AIRGLAS P/N L11700-5) for any missing bolts or cotter keys.
- (D) Physically examine the main ski inboard axle adapter link (AIRGLAS P/N L11700-5-2) for tightness. Check that the adjusting jam nut is properly safety wired to its attaching bolt.
- (E) Check the main ski outboard axle adapter (AIRGLAS P/N L11700-6) for any missing or loose bolts & cotter keys.
- (F) Visually confirm that the main ski tail wheel assemblies are not missing any cotter keys or bolts.
- (G) Visually examine the skis for any wear or delaminations (see general ski maintenance on page 2).

AIRGLAS MODEL L11700 SKI KIT

SERVICE INTERVALS

100 HOUR INSPECTIONS :

- (A) Inspect as per the daily pre-flight inspection (see PRE-FLIGHT, page 3).
- (B) Inspect the skis (AIRGLAS P/N L11700-1, -2, -3S) for abrasion damage & general overall condition (see GENERAL SKI MAINTENANCE, page 2).

ANNUAL INSPECTIONS :

- (A) Remove & inspect all attaching hardware . This includes but is not limited by the following table:

QTY	Part Number	Nomenclature
1	L11700-1	MAIN SKI
1	L11700-2	MAIN SKI
1	L11700-3S	NOSE SKI
2	L11700-5	INBD AXLE ADAPTER ASSY., MAIN SKI
2	L11700-6	OUTBOARD AXLE ADAPTER, MAIN SKI
2	L11700-7	SPRING CYLINDER, MAIN SKI
2	L11700-9	SAFETY CABLE (FWD CABLE), MAIN SKI
2	L11700-10	CHECK CABLE (AFT CABLE), MAIN SKI
2	L11700-12	NOSE SKI AXLE
1	L11700-14	SPRING CYLINDER, NOSE SKI
1	L11700-17	SAFETY CABLE, NOSE SKI

- (B) Inspect the skis (AIRGLAS P/N L11700-1, -2, -3S) for abrasion damage & general overall condition (see GENERAL SKI MAINTENANCE, page 2).
- (C) Replace any worn equipment with new parts.
- (D) Reinstall hardware as per installation procedures.

AIRGLAS MODEL L11700 SKI KIT**INSTALLATION OF MAIN SKI ADAPTER HARDWARE**

See Sikorsky drawing 76070-25011 sheet 2 for installation of Sikorsky supplied components and Airglas inboard axle adapter (AIRGLAS P/N (L11700-5). These components must be installed before the ski installation can be completed.

NOTE

Part Number	Nomenclature
76250-02200	SKI AXLE
76250-02201	LOWER SCISSOR PIN
76250-02202	STUD
L11700-5	INBD AXLE ADAPTER ASSY., MAIN SKI

**YOU MAY LEAVE ON ADAPTING HARDWARE LISTED ABOVE
TO MAKE FUTURE INSTALLATION OF SKIS EASIER. ALL OTHER
HARDWARE (AS LISTED IN STEP (A) ON PAGE 8) MUST BE
REMOVED WHEN SKIS ARE REMOVED.**

AIRGLAS MODEL L11700 SKI KIT**INSTALLATION OF MAIN SKIS (FOR THE 1ST TIME)****WITH AIRCRAFT ON JACKS :**

- (A) Install outboard axle adapters (AIRGLAS P/N L11700-6) to ski axle with a NAS1105-20 bolt, AN960-516 washer & AN364-524 nut. The adapters are to be installed with the thicker flange facing inboard (Ref. Sikorsky Dwg 76070-25011 sheet 2 view C-C).
- (B) Place AIRGLAS MAIN SKIS (L11700-1 & -2) under the helicopter main wheels. There are left and right skis, the L11700-1 is the left ski & the L11700-2 is the right ski.
- (C) Lift ski into position aligning the holes with the inboard and outboard axle adapters. Secure with NAS1107-24D bolts, AN320-7 nut and AN380-3-2 cotter pin.
- (D) The inboard axle adapters (AIRGLAS P/N L11700-5-1) are now in their proper position. The adjustable link (AIRGLAS P/N L11700-5-2) may now be adjusted to its proper length with an Allen screw and then slipped over the end of the lower scissor pin. The adjustable link (AIRGLAS P/N L11700-5-2) is then held in place with an AN6H10A bolt and the link thrust washer (AIRGLAS P/N L11700-5-3). Torque the AN6H10A bolt to 19 ft-lbs (228 in-lbs). Tighten and safety wire jam nut (NAS509-5) to AN6H10A bolt (See figure 3, page 17 of this manual). Bolt and thrust washer must be installed to capture adjustable end of link.

NOTE

The main ski spring cylinder may need adjustment (see figure 6, page 23 for a pictorial description)

After the main ski spring cylinder is adjusted the main skis may be taken on and off without further adjustment.

- (E) Secure upper end of aft check cable (AIRGLAS P/N L11700-10) to main landing gear tie down ring with strap (AIRGLAS P/N L11700-10-2), AN365-17 clevis pin & AN380-3-2 cotter pin.

AIRGLAS MODEL L11700 SKI KIT

INSTALLATION OF MAIN SKIS (FOR THE 1ST TIME) (continued)

NOTE

Refer to Figure 1 on page 12 for a pictorial view of step (F) & (G).

- (F) Attach tab (AIRGLAS P/N 26-34) to inboard side of the forward (and un-used) drag strut lug with a spacer bushing (AIRGLAS P/N L11700-20), NAS70C-4SPL-6 washer, & AN364-624 nut. Attach upper end of forward safety cable (AIRGLAS P/N L11700-9) to the lower end of the tab (AIRGLAS P/N 26-34) with an AN395-17 clevis pin & AN380-3-2 cotter pin.
- (G) Attach AN47-12 eye bolt to the outboard side of the forward (and un-used) drag strut lug with a spacer bushing (AIRGLAS P/N L11700-19), NAS70C-4SPL-7 washers (1 washer under head of AN47-12 eyebolt), AN310-6 nut and AN380-3-2 cotter pin.
- (H) Attach upper end of main ski spring cylinder (AIRGLAS P/N L11700-7) to AN 47-12 eye bolt with an AN396-23 clevis pin and AN380-3-2 cotter pin. Attach lower end of the spring cylinder (AIRGLAS P/N L11700-7) to AN47-12 eye bolt with AN 396-23 clevis pin, and AN380-3-2 cotter pin. Attach lower end of spring cylinder to lower mounting bracket (AIRGLAS P/N L11700-8) with the AN26-21 clevis bolt with 4 ea. (2 on each side of the rod end), special washers (P/N 528D378D050), AN360-616L washer, AN370-6 nut and a AN380-3-2 cotter pin.

AIRGLAS MODEL L11700 SKI KIT

INSTALLATION OF MAIN SKIS(AFTER ADAPTING HARDWARE IS IN PLACE)

- (A) The following hardware is to be reinstalled:

Part Number	Nomenclature
L11700-1 & -2	MAIN SKIS
L11700-6	OUTBOARD AXLE ADAPTER
L11700-7	SPRING CYLINDER, MAIN SKIS
L11700-9	SAFETY CABLE (FWD CABLE)
L11700-10	CHECK CABLE (AFT CABLE)
L11700-19	SPACER BUSHING
L11700-20	SPACER BUSHING
26-34	TAB
AN7-14	EYE BOLT

- (B) Install outboard axle adapters (AIRGLAS P/N L11700-6) to ski axle with a NAS1105-20 bolt, AN960-516 washer & AN364-524 nut. The adapters are to be installed with the thicker flange facing inboard (Ref. Sikorsky Dwg 76070-25011 sheet 2 view C-C).
- (C) Roll-on-method : Remove tail wheel assembly's and attachment bolts from skis. Place AIRGLAS MAIN SKIS (L11700-1 & -2) ahead of the helicopter main wheels. There are left and right skis, the L11700-1 is the left ski & the L11700-2 is the right ski. While holding the ski in place, tow or push helicopter forward until main wheels drop into ski wheel well.
- (D) Lift ski into position (aligning the holes with the inboard and outboard axle adapters). Secure with NAS1107-24D bolts, AN320-7 nut and AN380-3-2 cotter pin.
- (E) Reinstall tail wheel assembly's (P/N D501) to aft edge of both main skis (AIRGLAS P/N L11700-1&-2).
- (F) Secure upper end of aft check cable (AIRGLAS P/N L11700-10) to main landing gear tie down ring with strap (AIRGLAS P/N L11700-10-2), AN365-17 clevis pin & AN380-3-2 cotter pin.
- (G) Attach upper end of forward safety cable (AIRGLAS P/N L11700-9) to the lower end of the tab (AIRGLAS P/N 26-34) with an AN395-17 clevis pin & AN380-3-2 cotter pin.

AIRGLAS MODEL L11700 SKI KIT

- (H) Attach upper end of main ski spring cylinder (AIRGLAS P/N L11700-7) to AN 47-12 eye bolt with an AN396-23 clevis pin and AN380-3-2 cotter pin. Attach lower end of the spring cylinder (AIRGLAS P/N L11700-7) to AN47-12 eye bolt with AN 396-23 clevis pin, and AN380-3-2 cotter pin. Attach lower end of spring cylinder to lower mounting bracket (AIRGLAS P/N L11700-8) with the AN26-21 clevis bolt with 4 ea. (2 on each side of the rod end), special washers (P/N 528D378D050), AN360-616L washer, AN370-6 nut and a AN380-3-2 cotter pin.

AIRGLAS MODEL L11700 SKI KIT

INSTALLATION OF NOSE SKIS (FOR THE 1ST TIME)

WITH AIRCRAFT ON JACKS (Refer to Figure 2) :

- (A) Remove through bolt (P/N NAS 1306-72DH) from the top of the nose fork. Install safety cable attach bracket (AIRGLAS P/N L11700-18) and upper spring cylinder attach bracket (AIRGLAS P/N L11700-15) with a NAS1306-80DH bolt, AN960-616L washer and SL7020S624 nut. The torque range on the nut is a max. of 250 inch-lbs, to a min. 200 inch-lbs. Safety wire the head of the NAS1306-80DH bolt to adjoining pipe plug.

NOTE

Lubricate the nose ski axle adapters (AIRGLAS P/N L11700-12) with a synthetic grease or equivalent, prior to step (B).

- (B) Rotate nose wheel of aircraft ninety (90°) degrees to aircraft centerline. Set nose ski (AIRGLAS P/N L11700-3S) on the ground in front of the nose wheel and hold in place. Push the helicopter side ways until the nose wheel is positioned within the wheel well of the ski. Lift the nose ski and align the axle holes. Slide in the lubricated nose ski axle adapters (AIRGLAS P/N L11700-12) and line up the locking bolt holes. Secure the axle with AN3-14A bolts, AN960-10 washer and AN365-1032 nuts.
- (C) Attach safety cable (AIRGLAS P/N L11700-17) to safety cable attach bracket (AIRGLAS P/N L11700-18) with AN395-17 clevis pin & AN380-3-2 cotter pin.
- (D) Attach upper end of spring cylinder (AIRGLAS P/N L11700-14) to upper spring cylinder attach bracket (AIRGLAS P/N L11700-15) with an AN26-21 clevis bolt, AN960-616 washer, AN320-6 nut and a AN380-3-2 cotter pin.
- (E) Attach lower end of spring cylinder (AIRGLAS P/N L11700-14) to lower spring cylinder attach bracket (AIRGLAS P/N L11700-16) with a AN26-21 clevis bolt, AN960-616 washer, AN320-6 nut and AN380-3-2 cotter pin.

NOTE

Part Number	Nomenclature
NAS1306-80DH	BOLT
SL7020S624	NUT
L11700-18	SAFETY CABLE ATTACH BKT (NOSE SKI)

YOU MAY LEAVE ON ADAPTING HARDWARE LISTED ABOVE TO MAKE FUTURE INSTALLATION OF THE NOSE SKI EASIER. ALL OTHER HARDWARE (AS LISTED IN STEP A ON PAGE 11) MUST BE REMOVED WHEN SKIS ARE REMOVED.

SEE SIKORSKY DRAWING 76070-25011 SHEET 2 FOR
COMPLETION OF SKI KIT INSTALLATION AND FOR LANDING GEAR
DISABLING/ENABLING PROCEDURE WHEN INSTALLING OR REMOVING SKI KIT

AIRGLAS ENGINEERING CO., INC.
ANCHORAGE, ALASKA 99519

AIRGLAS MODEL L11700 SKI KIT**INSTALLATION OF NOSE SKIS****(AFTER ADAPTING HARDWARE IS IN PLACE)****NOTE**

Lubricate the nose ski axle adapters (AIRGLAS P/N L11700-12) with a synthetic grease or equivalent, prior to step (A).

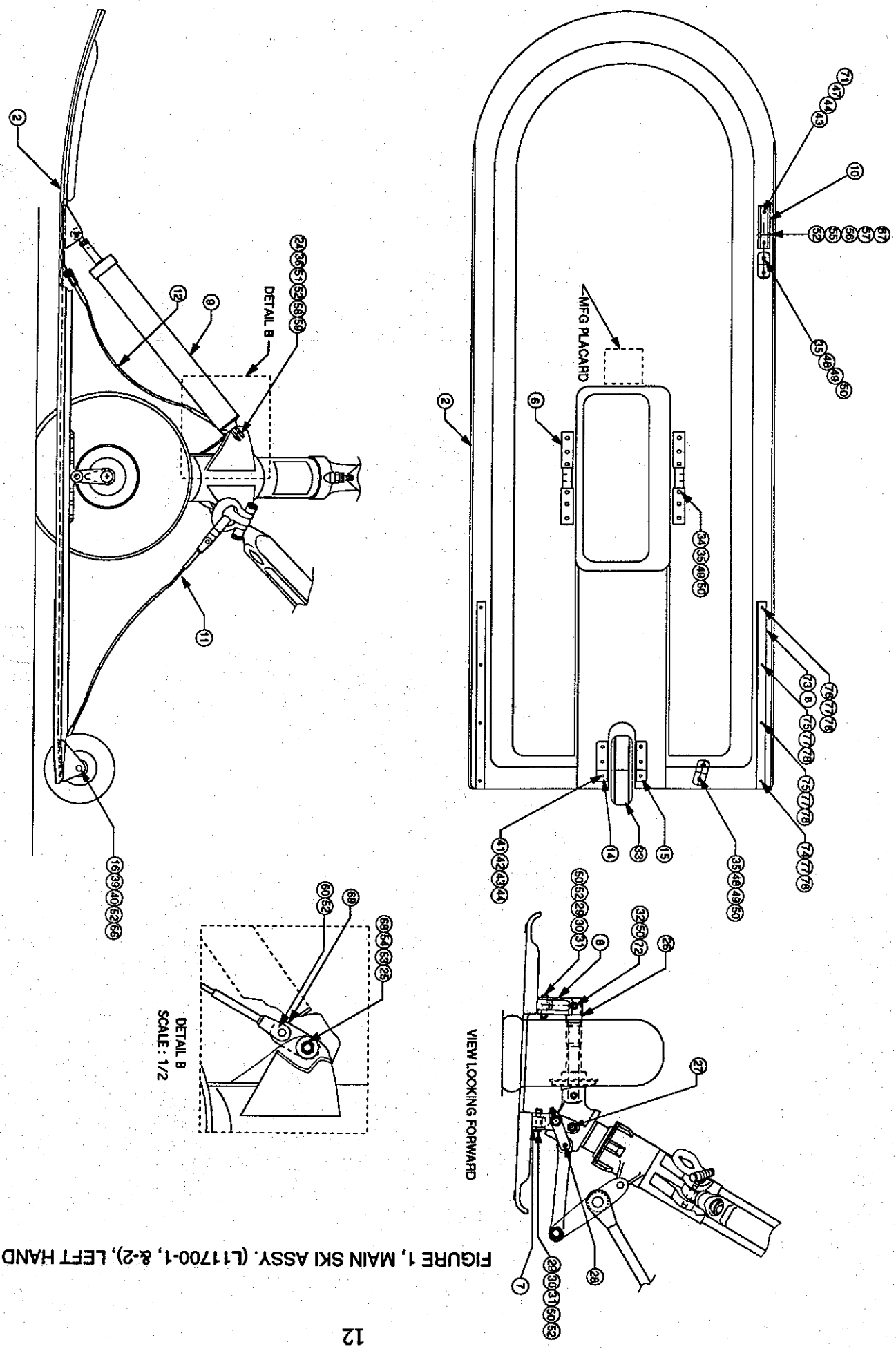
- (A) The following hardware is to be reinstalled:

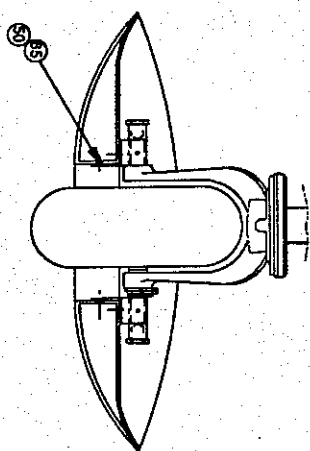
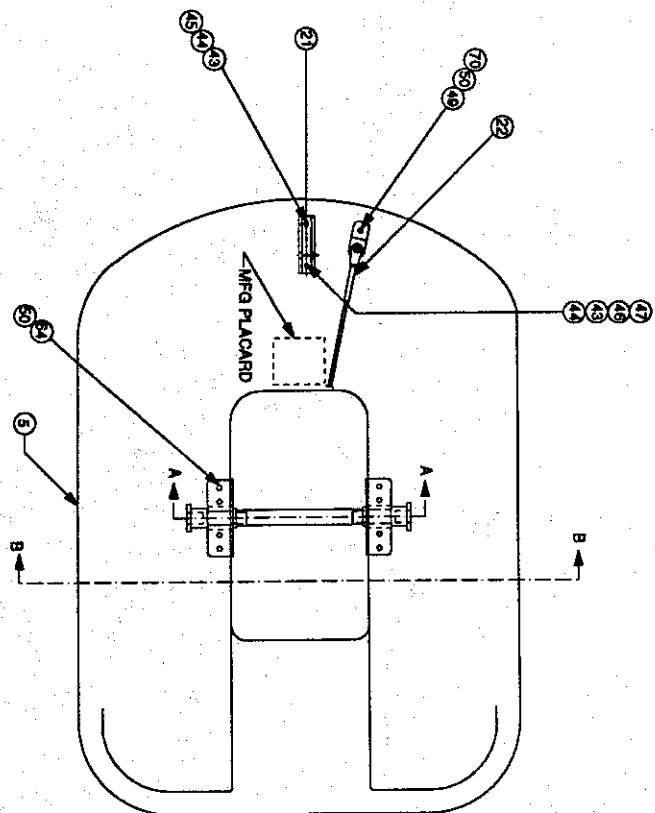
Part Number	Nomenclature
L11700-3S	NOSE SKI
L11700-12	NOSE SKI AXLE
L11700-14	SPRING CYLINDER, NOSE SKI
L11700-17	SAFETY CABLE (FWD CABLE), NOSE SKI

- (B) Rotate nose wheel of aircraft ninety (90°) degrees. Set nose ski (AIRGLAS P/N L11700-3S) on ground under the nose wheel and hold in place. Push the helicopter side ways until the nose wheel is positioned within the wheel well of the ski. Lift the nose ski and align the axle holes. Slide in the lubricated nose ski axle adapters (AIRGLAS P/N L11700-12) and line up the locking bolt holes. Secure the axle with AN3-14A bolts, AN960-10 washer and AN365-1032 nuts.
- (C) Attach safety cable (AIRGLAS P/N L11700-17) to safety cable attach bracket (AIRGLAS P/N L11700-18) with AN395-17 clevis pin & AN380-3-2 cotter pin.
- (D) Attach upper end of spring cylinder (AIRGLAS P/N L11700-14) to upper spring cylinder attach bracket (AIRGLAS P/N L11700-15) with an AN26-21 clevis bolt, AN960-616 washer, AN320-6 nut and a AN380-3-2 cotter pin.
- (E) Attach lower end of spring cylinder (AIRGLAS P/N L11700-14) to lower spring cylinder attach bracket (AIRGLAS P/N L11700-16) with a AN26-21 clevis bolt, AN960-616 washer, AN320-6 nut and AN380-3-2 cotter pin.

**SEE SIKORSKY DRAWING 76070-25011 SHEET 2 FOR
COMPLETION OF SKI KIT INSTALLATION AND FOR LANDING GEAR
DISABLING/ENABLING PROCEDURE WHEN INSTALLING OR REMOVING SKI KIT**

FIGURE 1, MAIN SKI ASSY. (L11700-1, &-2), LEFT HAND SHOWN

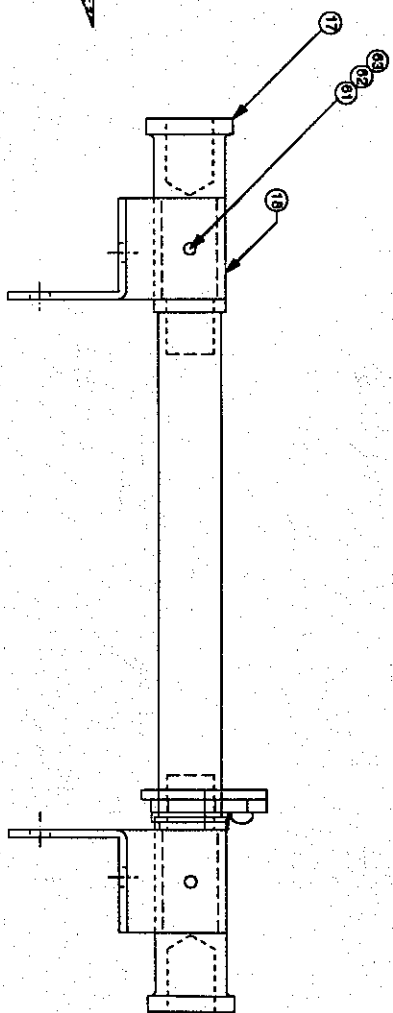
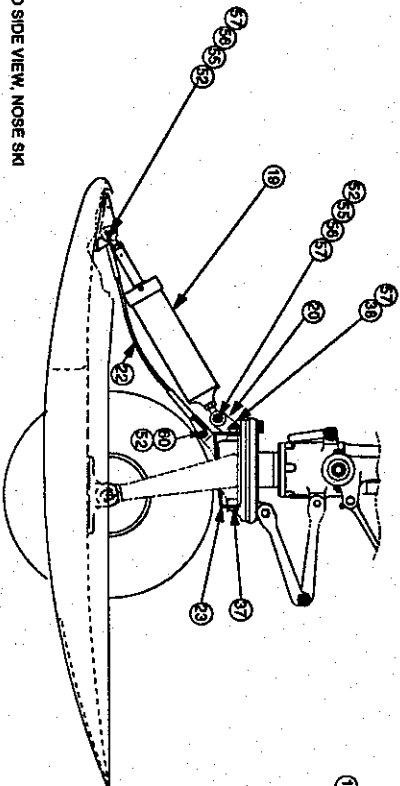




SECTION B - B (ROTATED 90 DEGREES)

FIGURE 2, NOSE SKI ASSY. (L11700-3)

LEFT - HAND SIDE VIEW, NOSE SKI



SECTION A - A (ROTATED 90 DEGREES)

AIRGLAS L11700 SKI KIT PARTS LIST

Quantity of Parts listed is for a ski kit (2 main skis & 1 nose ski)

Fig. No.# 1 & 2 Index Number	Part Number	Code Ident. Number	Nomenclature	Number Required
	L11700	17564	SKI KIT	1
1	L11700-01	17564	BASIC SKI MOLDING, MAIN SKI	2
2	L11700-1	17564	MAIN SKI ASSY., LEFT HAND	1
3	L11700-2	17564	MAIN SKI ASSY., RIGHT HAND	1
4	L11700-03S	17564	BASIC SKI MOLDING, NOSE SKI	1
5	L11700-3	17564	NOSE SKI ASSY.	1
6	L11700-4	17564	SKI ATTACH FITTING	4
7	L11700-5	17564	INBD AXLE ADPTER ASSY., MAIN SKI	2
8	L11700-6	17564	OUTBD AXLE ADPTER ASSY., MAIN SKI	2
9	L11700-7	17564	SPRING CYLINDER, MAIN SKI	2
10	L11700-8	17564	LOWER MNTING BKT, SPRING CYLINDER (MAIN SKI)	2
11	L11700-9	17564	SAFETY CABLE ASSY., MAIN SKI	2
12	L11700-10	17564	CHECK CABLE ASSY., MAIN SKI	2
13	L11700-11	17564	TAIL WHEEL BKT KIT, MAIN SKI	1
14	L11700-11-1	17564	TAIL WHEEL BRACKET, L.H. (MAIN SKI)	1
15	L11700-11-2	17564	TAIL WHEEL BRACKET, R.H. (MAIN SKI)	1
16	L11700-11-3	17564	SPACER	4
17	L11700-12	17564	NOSE SKI AXLE ADAPTER	2
18	L11700-13	17564	NOSE SKI ATTACH BRACKET	2
19	L11700-14	17564	SPRING CYLINDER, NOSE SKI	1
20	L11700-15	17564	UPPER SPRING CYLINDER ATTACH BRACKET (NOSE SKI)	1
21	L11700-16	17564	LOWER SPRING CYLINDER, ATTACH BRACKET (NOSE SKI)	1
22	L11700-17	17564	SAFETY CABLE ASSY., NOSE SKI	1
23	L11700-18	17564	SAFETY CABLE ATTACH BRKT, NOSE SKI	1
24	L11700-19	17564	SPACER BUSHING OUTBD	2
25	L11700-20	17564	SPACER BUSHING INBD	2
26	SIKORSKY P/N		SKI AXLE	2
27	SIKORSKY P/N		BOLT INBD AXLE ADPTER, MAIN SKI	2
28	SIKORSKY P/N		PIN LOWER SCISSOR, MAIN SKI	2

AIRGLAS L11700 SKI KIT PARTS LIST

Quantity of Parts listed is for a ski kit (2 main skis & 1 nose ski)

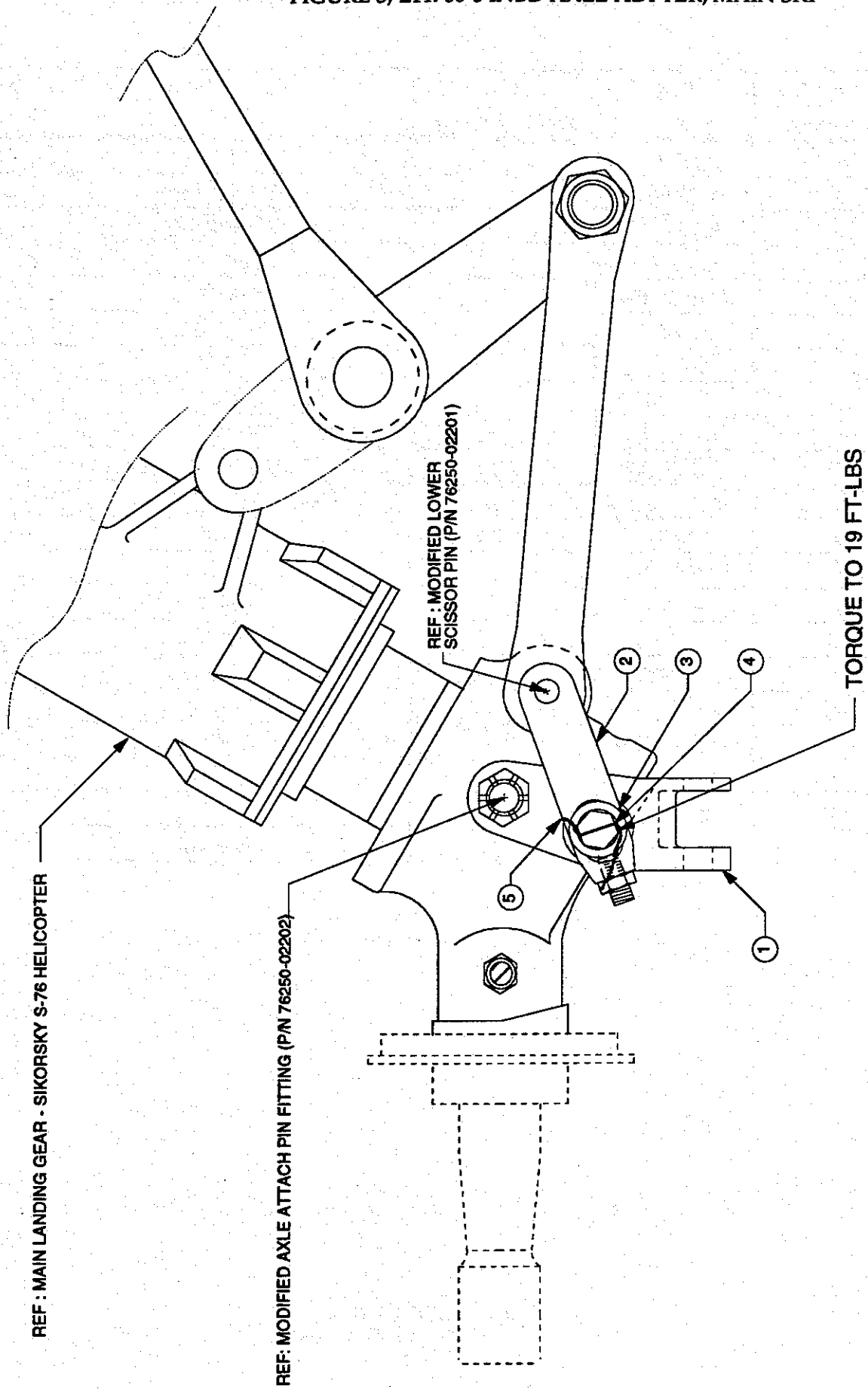
Fig. No.# 1 & 2 Index Number	Part Number	Code Ident. Number	Nomenclature	Number Required
29	NAS1107-24D		BOLT	4
30	MS2002C7		WASHER	4
31	AN320-7		NUT	4
32	NAS1105-20		BOLT	2
33	D501		WHEEL ASSY., MAIN SKI (LANG)	2
34	NAS517-5-24		SCREW	24
35	30185	17564	COUNTER SUNK WASHER	28
36	AN47-12		EYE BOLT	2
37	NAS1306-80DH		BOLT	1
38	H20-6		NUT	1
39	AN8-32		BOLT	2
40	AN310-8		NUT	2
41	AN4-7A		BOLT	12
42	NAS70C-4		WASHER	12
43	AN365-428		NUT	18
44	AN960-416		WASHER	18
45	NAS517-4-20		SCREW	1
46	NAS517-4-24		SCREW	1
47	A3475-020-24A		CTSK WASHER, TINNERMAN	4
48	NAS517-5-8		SCREW	4
49	AN365-524		NUT	29
50	AN960-516		WASHER	33
51	NAS70-4SPL-7	17564	WASHER	4
52	AN380-3-2		COTTER PIN	9
53	AN6-14A		BOLT	2
54	AN364-624		NUT	2
55	AN26-21		CLEVIS BOLT	4
56	AN320-6		NUT	4
57	AN960-616L		WASHER	5

AIRGLAS L11700 SKI KIT PARTS LIST

Quantity of Parts listed is for a ski kit (2 main skis & 1 nose ski)

Fig. No.# 1 & 2 Index Number	Part Number	Code Ident. Number	Nomenclature	Number Required
58	AN310-7		NUT	2
59	AN396-23		CLEVIS PIN	2
60	AN395-17		CLEVIS PIN	1
61	AN3-14A		BOLT	2
62	AN365-1032		NUT	2
63	AN960-10		WASHER	2
64	AN5-7A		BOLT	8
65	AN5-10A		BOLT	8
66	AN960-816		WASHER	2
67	528D378D050	17564	WASHER, SPECIAL	8
68	NAS70C-4SPL-6	17564	WASHER, SPECIAL	2
69	26-34	17564	TAB	2
70	NAS517-5-20		SCREW	1
71	NAS517-4-9		SCREW	4
72	AN364-524		NUT	2
73	L11700-21	17564	RUNNER	4
74	NAS517-3-3		SCREW	4
75	NAS517-3-4		SCREW	8
76	NAS517-3-5		SCREW	4
77	MS21042-3		NUT	16
78	AN960-10L		WASHER	16

FIGURE 3, L11700-5 INBD AXLE ADPTER, MAIN SKI

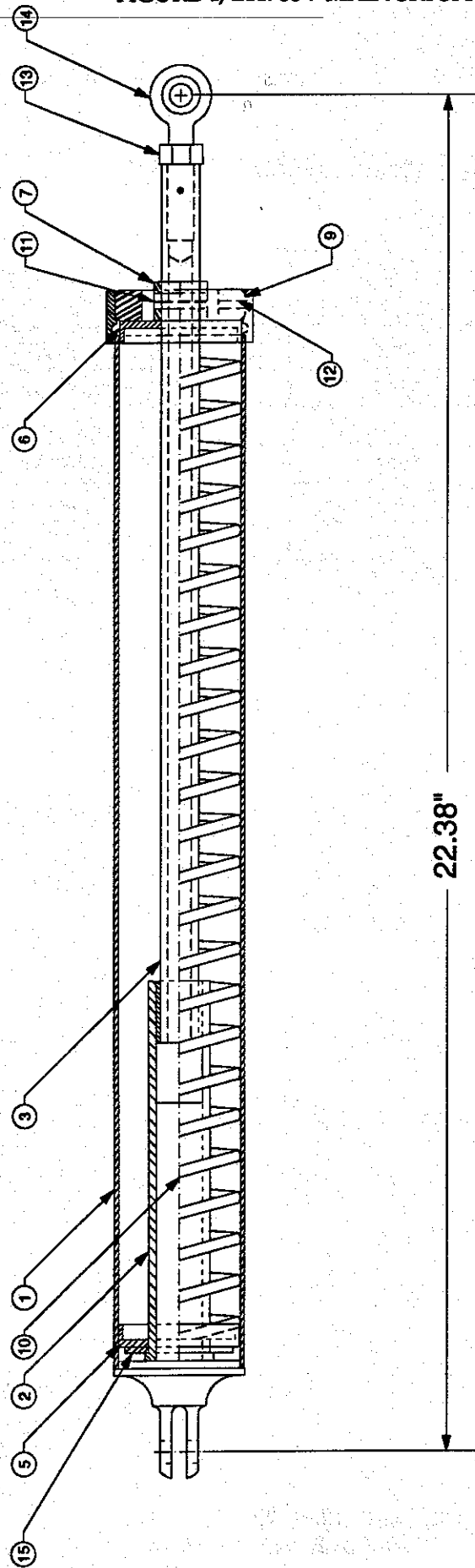


AIRGLAS L11700 SKI KIT PARTS LIST (Inboard adapter assy. main ski, L11700-5)

Parts listed are per One (1) Adapter.

Fig. No.# 1 & 2 Index Number	Part Number	Code Ident. Number	Nomenclature	Number Required
	L11700-5	17564	INBD ADAPTER ASSY., MAIN SKI	1
1	L11700-5-1	17564	INBD ADAPTER ASSY.,	1
2	L11700-5-2	17564	ADJUSTING LINK ASSY.	2
3	L11700-5-3	17564	LINK THRUST WASHER	2
4	AN6H10A	17564	BOLT	2
5	MS20995C032	17564	SAFETY WIRE	2

FIGURE 4, L11700-7 MAIN SKI SPRING CYLINDER

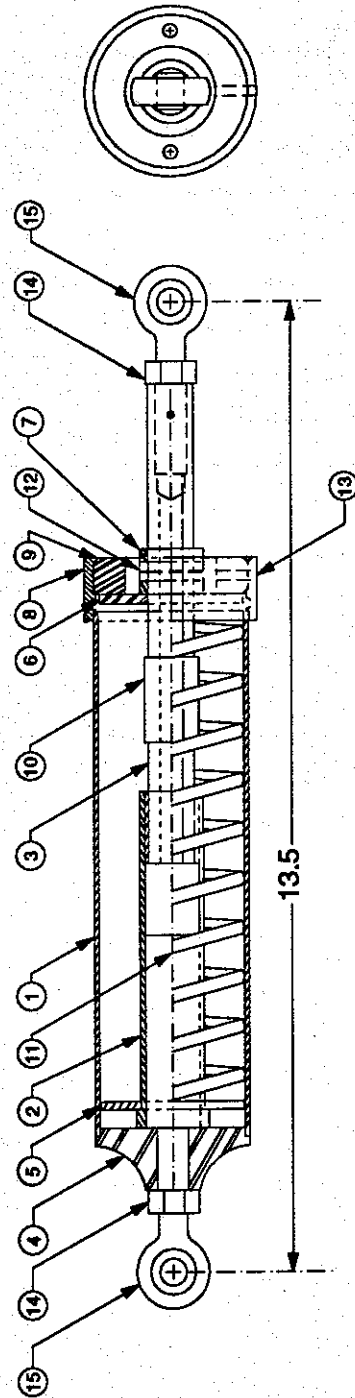


AIRGLAS L11700 SKI KIT PARTS LIST (Main ski spring cylinder, L11700-7)

Parts listed are per One (1) Spring Cylinder.

Fig. No.# 1 & 2 Index Number	Part Number	Code Ident. Number	Nomenclature	Number Required
	L11700-7	17564	SPRING CYLINDER, MAIN SKI	1
1	L11700-7-1	17564	TUBE	1
2	L11700-7-2	17564	TUBE	1
3	L11700-7-3	17564	TUBE	1
4	L11700-7-4	17564	END FITTING	1
5	L11700-7-5	17564	WASHER	1
6	L11700-7-6	17564	WASHER	1
7	L11700-14-7	17564	TUBE	1
8	L11700-14-8	17564	TUBE	1
9	L11700-14-9	17564	NUT	1
10	L11700-7-7	17564	SPRING	1
11	MS5171652		SPRING PIN	1
12	MS5171522		SPRING PIN	1
13	AN316-7		NUT	1
14	AMRX-6		ROD END OR EQUIVALENT	1
15	AN960-1616		WASHER	1

FIGURE 5, L11700-14 NOSE SKI SPRING CYLINDER

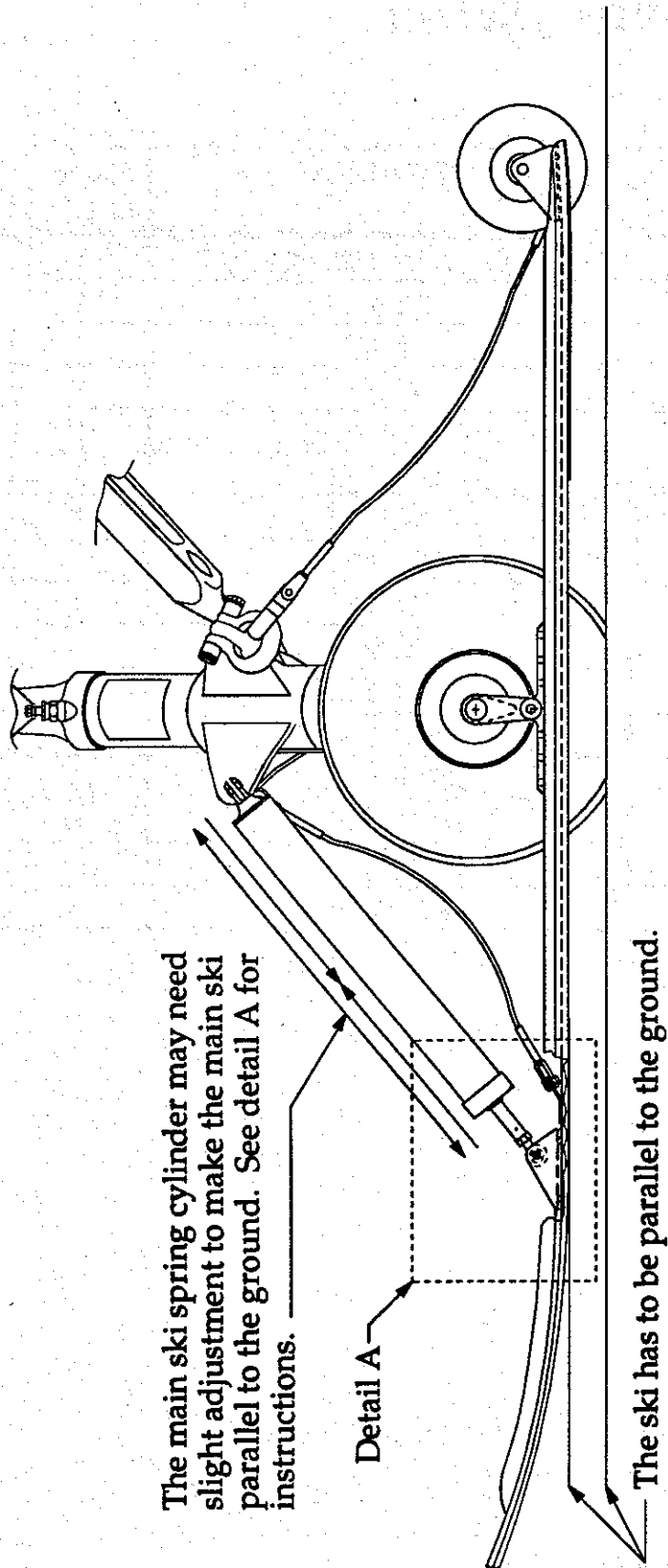


AIRGLAS L11700 SKI KIT PARTS LIST (Nose ski spring cylinder, L11700-14)

Parts listed are per One (1) Spring Cylinder.

Fig. No.# 1 & 2 Index Number	Part Number	Code Ident. Number	Nomenclature	Number Required
	L11700-14	17564	SPRING CYLINDER, NOSE SKI	1
1	L11700-14-1	17564	TUBE	1
2	L11700-14-2	17564	TUBE	1
3	L11700-14-3	17564	TUBE	1
4	L11700-14-4	17564	END FITTING	1
5	L11700-14-5	17564	WASHER	1
6	L11700-14-6	17564	WASHER	1
7	L11700-14-7	17564	TUBE	1
8	L11700-14-8	17564	TUBE	1
9	L11700-14-9	17564	NUT	1
10	L11700-14-10	17564	TUBE, SPACER	1
11	R-68		SPRING	1
12	MS5171652		SPRING PIN	1
13	MS5171522		SPRING PIN	1
14	AN316-7		NUT	2
15	AMRX-6		ROD END	2

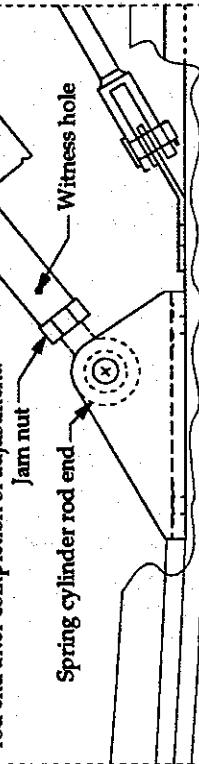
FIGURE 6, SPRING CYLINDER ADJUSTMENT, MAIN SKIS



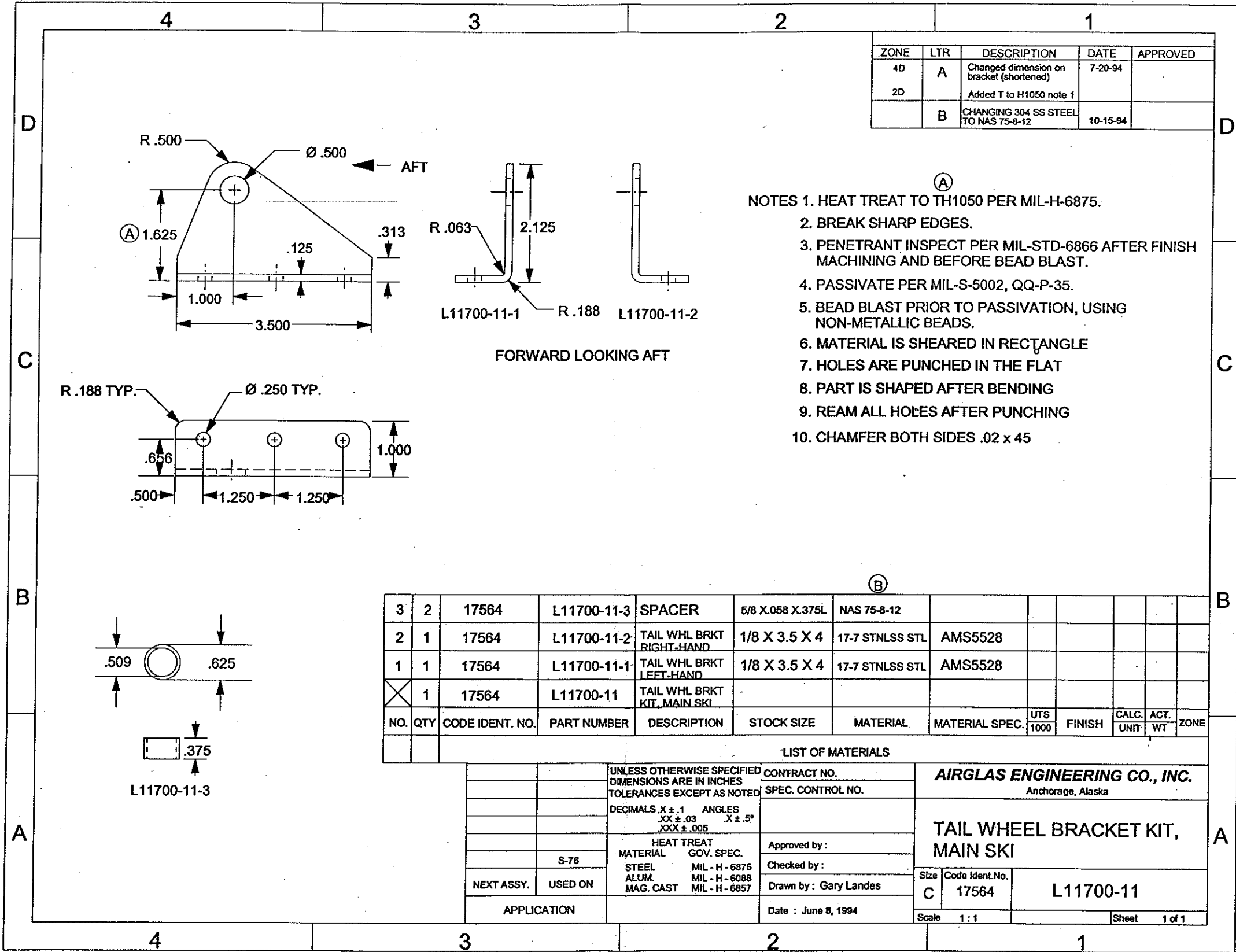
- 1.) Remove clevis bolt (to free spring cylinder end, do not lose spacer washers).
- 2.) Loosen jam nut to allow spring cylinder rod end to screw in or out (thus lengthening or shortening the spring cylinder).
- 3.) Re-tighten jam nut after the appropriate length is found about $1/8$ of a turn.
- 4.) Re-install spring cylinder per step H on page 6 of this manual.

NOTE

If spring cylinder is lengthened, the witness hole must still be covered by the spring cylinder rod end after completion of adjustment.



Detail A



ZONE	LTR	DESCRIPTION	DATE	APPROVED
4D	A	Changed dimension on bracket (shortened)	7-20-94	
2D		Added T to H1050 note 1		
	B	CHANGING 304 SS STEEL TO NAS 75-8-12	10-15-94	

- NOTES 1. HEAT TREAT TO TH1050 PER MIL-H-6875.
2. BREAK SHARP EDGES.
3. PENETRANT INSPECT PER MIL-STD-6866 AFTER FINISH MACHINING AND BEFORE BEAD BLAST.
4. PASSIVATE PER MIL-S-5002, QQ-P-35.
5. BEAD BLAST PRIOR TO PASSIVATION, USING NON-METALLIC BEADS.
6. MATERIAL IS SHEARED IN RECTANGLE
7. HOLES ARE PUNCHED IN THE FLAT
8. PART IS SHAPED AFTER BENDING
9. REAM ALL HOLES AFTER PUNCHING
10. CHAMFER BOTH SIDES .02 x 45

3	2	17564	L11700-11-3	SPACER	5/8 X.058 X.375L	NAS 75-8-12								
2	1	17564	L11700-11-2	TAIL WHL BRKT RIGHT-HAND	1/8 X 3.5 X 4	17-7 STNLSS STL	AMS5528							
1	1	17564	L11700-11-1	TAIL WHL BRKT LEFT-HAND	1/8 X 3.5 X 4	17-7 STNLSS STL	AMS5528							
X	1	17564	L11700-11	TAIL WHL BRKT KIT, MAIN SKI										
NO.	QTY	CODE IDENT. NO.	PART NUMBER	DESCRIPTION	STOCK SIZE	MATERIAL	MATERIAL SPEC.	UTS 1000	FINISH	CALC. UNIT	ACT. WT	ZONE		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES EXCEPT AS NOTED				CONTRACT NO.		AIRGLAS ENGINEERING CO., INC. Anchorage, Alaska	
				SPEC. CONTROL NO.			
DECIMALS X ± .1 ANGLES XX ± .03 X ± .5° XXX ± .005							
HEAT TREAT				Approved by:			
MATERIAL GOV. SPEC.				Checked by:			
STEEL MIL - H - 6875				Drawn by: Gary Landes			
ALUM. MIL - H - 6088							
MAG. CAST MIL - H - 6857							
NEXT ASSY. USED ON				Date : June 8, 1994			
APPLICATION							
				Size C		Code Ident.No. 17564	
				Scale 1:1		L11700-11	
						Sheet 1 of 1	