

OWNERS MANUAL

PNEUMATIC ADJUSTABLE INSPECTION STAND

MODEL PAIS-II

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C1325

Date: 08-16-00

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Figure numbers

The text contains references to figure numbers. These are made up of the page number followed by the figure number.

example: fig. 10.1
 page 10
 figure 1

I GENERAL SAFETY PRECAUTIONS

The STORK GAMCO Inc. model PAIS-II PNEUMATIC ADJUSTABLE INSPECTION STAND was designed for maximum personal safety. However, as with any operating machinery, certain safety precautions should be observed.

- **READ, UNDERSTAND AND PRACTICE** the safety and operating instructions found in this manual. **KNOW** the limitations and hazards associated with this machine.

- **HAND SAFETY: KEEP HANDS OUTSIDE THE MACHINE. NEVER REACH INTO THE MACHINE WHILE IT IS IN OPERATION. KEEP FEET WITHIN THE CONFINES OF THE PLATFORM PERIMETER WHILE RAISING OR LOWERING THE PLATFORM.**

- **EYE SAFETY:** Wear an approved safety shield, goggles or glasses to protect the eyes when cleaning or performing maintenance on this machine.

- **DO NOT** climb on or lean over the machine while in motion.

- **"LOCK OUT - TAG OUT":** When performing maintenance on a particular machine, **MAKE SURE** its local control switch is **"OFF"**, the pneumatic controls have been turned **"OFF"** and locked out and a **"DO NOT OPERATE"** tag is placed on the machine.

- **PERSONAL PROTECTION:** Before performing any maintenance on the machine, remove tie, rings, watch and other jewelry and roll sleeves above the elbows. Remove any loose clothing and confine long hair. Protective type footwear should be worn. Because of the operational and sanitary requirements, the machine has several **AREAS WHERE INJURIES COULD OCCUR** to someone getting too close or trying to make adjustments or repairs while the machine is in operation. **MAKE SURE THAT ALL PERSONS WORKING WITH OR NEAR THE MACHINE UNDERSTAND THE POTENTIAL DANGER.**

- **KEEP** all access covers in place when compressed air is applied. **NEVER** attempt cleaning or removal of blockages while machine is in motion.

- **CARELESS ACTS:** Give the work you are doing your undivided attention. Looking around, carrying on a conversation and "horseplay" are careless acts that can result in serious injury.

The following symbols are used throughout this manual to warn of possible hazards. These symbols will be located on the top right section of each page where they are applicable.



Danger-Approaching hazardous zone -numerous moving parts involved



Danger-Cut hazard from knives and other sharp parts



Danger-Rotating parts can crush hands



Danger-Machine parts can pinch or crush hands



Danger-Electrical shock hazard

- **MISUSE:** Do not use the machine for other than its intended use. If used for other purposes, **STORK GAMCO INC. DISCLAIMS ANY WARRANTY**, which might otherwise have applied in accordance with **STORK GAMCO INC.'S** standard limited warranty, and **HOLDS ITSELF BLAMELESS FOR ANY INJURY WHICH MIGHT RESULT FROM THAT USE.**

- **REPLACEMENT PARTS:** Use only **STORK GAMCO INC.** or factory authorized replacement parts and accessories; otherwise, the machine warranty will be null and void.

- **REFER** all operation, maintenance or service to qualified personnel.

- **WARNING: DO NOT** raise or lower platform with more than one person on board. Operators **MUST** keep their feet within the confines of the raised perimeter and make sure neighboring operators are clear while raising or lowering the platform.

DISCLAIMER

STORK GAMCO INC. holds itself blameless for any injury or damage resulting from repairs, modifications or adjustments attempted outside the scope of this manual, our factory or written authorization; including installation by other than STORK GAMCO personnel.

II GENERAL DESCRIPTION

The Stork Gamco PAIS-II Pneumatic Adjustable Inspection Stand allows inspectors to easily find the most comfortable position for doing their job. A full range of seat and platform heights are available to allow for varying heights of people.

The PAIS-II uses compressed air to independently raise and lower the seat.

The platform uses a lever operated air over oil system to move inspectors to their most comfortable height.

The molded seat rotates easily on its support arm. The support arm allows the seat to travel through a horizontal arc of motion, allowing inspectors to choose the optimum position on the processing line for themselves. An integrated air cylinder allows the seat to independently move up and down at the touch of a lever. The seat is equipped with a footrest, as well as a platform mounted footrest.

Throughout the manual, references are made to part location numbers (###) which are found in the REPLACEMENT PARTS section.

III TECHNICAL INFORMATION

Compressed Air	- 80 psi minimum, 3/8" NPT	⊗
Operating Capacity	- Seat	- 350 pounds
	- Stationary Platform	- 700 pounds

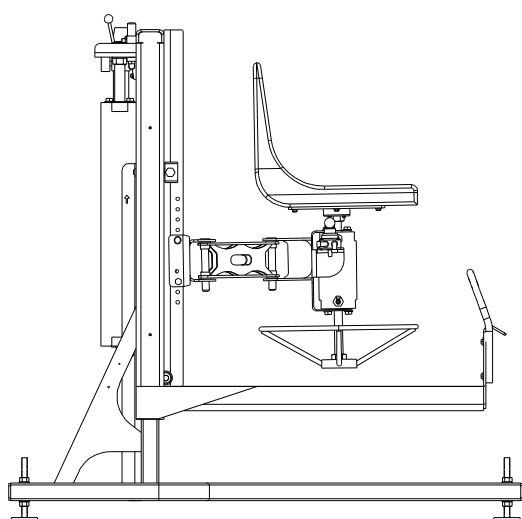
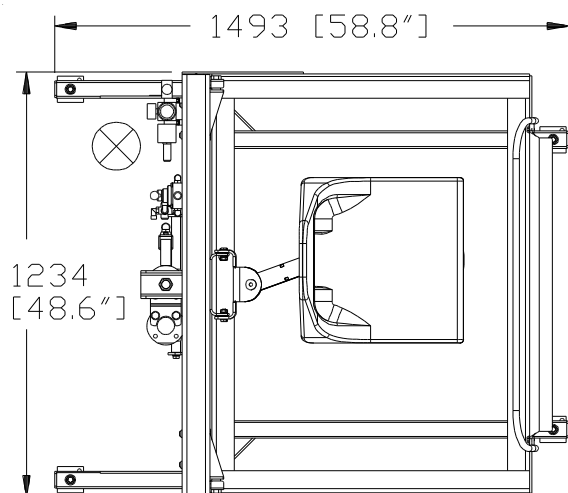
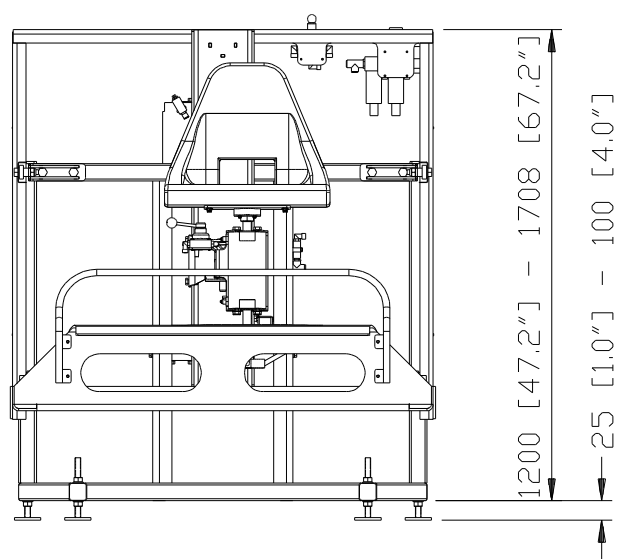


fig. 6.1



IV INSTALLATION**REQUIRED FOR INSTALLATION**

The following is required for installation of the PAIS-II Pneumatic Adjustable Inspection Stand.

Supply Lines:

1. Compressed Air: 3/8" pipe, 80 psi minimum

Equipment:

1. Stork Gamco PAIS-II Pneumatic Adjustable Inspection Stand.
2. Installation Kit

**INSTALLATION SEQUENCE**

The following steps are used to install the machine:

1. Remove any existing machinery.
2. Set machine in place.
3. Adjust legs to level platform.
4. Anchor legs to floor.
5. Connect air line.

V INITIAL ADJUSTMENTS



Initial Adjustments should only be carried out when the machine is stationary. Extreme care must be used when doing any adjustments.

Initial adjustments must be carried out by skilled staff.

AIR PRESSURE

Make sure gage (G) on Filter Regulator unit registers 80 psi.
(See fig. 8.1)

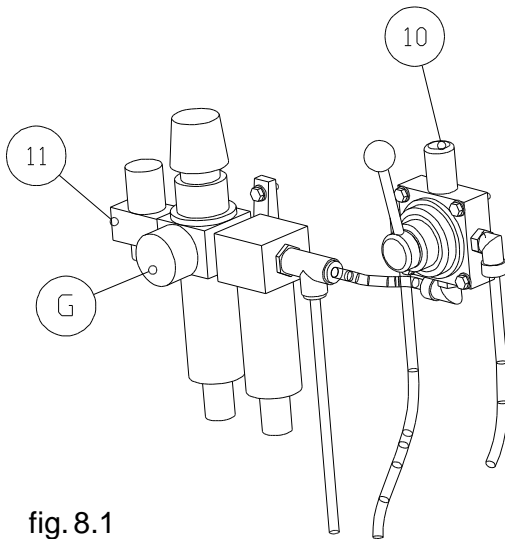
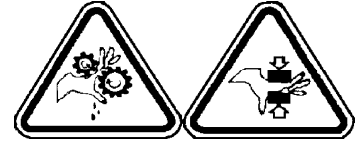


fig. 8.1

VI OPERATING PROCEDURES



Before operation, a final inspection should be made to see that:

1. All nuts and bolts are tight.
2. The machine is clear of all tools and other objects.
3. A minimum of 80 psi of compressed air is available.

Operating capacity for the seat is 350 pounds.

Stationary capacity for the platform and seat is 700 pounds.

WARNING: DO NOT raise or lower platform with more than one person on board. Operators **MUST** keep their feet within the confines of the raised perimeter and make sure neighboring operators are clear while raising or lowering the platform.

RAISING OR LOWERING PLATFORM

Make sure perimeter of stand is clear of all extremities, including those belonging to operators on neighboring stands. Rotate hand valve handle until it points at the 2 or 4 stamped in the valve body as shown in fig. 9.1 . Allow a moment for platform to "engage". If platform does not move in desired direction, move handle in other direction. Keep valve engaged until desired level is reached. Do not release handle until it is returned to its center position (pointer on handle is aimed at N stamped on valve body). Never leave handle in any position except pointed toward N. Make sure extremities are away from any pinch points when platform is in motion. (See fig. 9.1)

NOTE: Handle moves easily. NEVER FORCE handle in any direction. (See fig. 9.2) If handle gets stuck, or platform slowly drops with handle in N position, call Maintenance.

RAISING OR LOWERING SEAT

Rotate hand valve handle until it points at the 2 or 4 stamped in the valve body as shown in fig. 9.1 . Allow a moment for seat to "engage". If seat does not move in desired direction, move handle in other direction. Keep valve engaged until desired level is reached. Do not release handle until it is returned to its center position (pointer on handle is aimed at N stamped on valve body). Never leave handle in any position except pointed toward N. Make sure all extremities are away from any pinch points when seat is in motion. (See fig. 9.1)

NOTE: Position N is part of the built in safety features of the PAIS-II. It "locks" the cylinder in position in case of air / oil line failure. (See fig. 9.1)

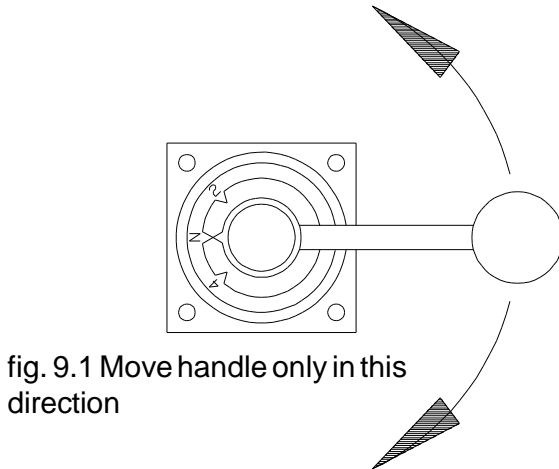


fig. 9.1 Move handle only in this direction

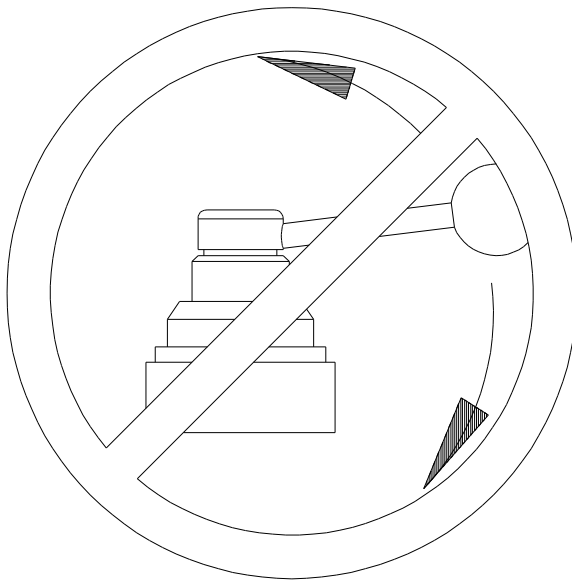


fig. 9.2 Do NOT move handle this way.

VII CLEANING PROCEDURES



I. NIGHT TIME CLEAN UP

DANGER: DO NOT attempt to reach into the product entry or exit areas with any foreign object, tool, or part of your body while the machine is in operation.

REQUIREMENTS

- High pressure water hose (150 - 300 psi),
Max temperature 140° F (60°C).
- Safety glasses.

PROCEDURE

1. Put safety glasses on, and keep them on during entire clean-up procedure.
2. Standing three to six feet away from the PAIS-II, spray machine thoroughly with high pressure water to dislodge and wash away residue fat or grease.
3. There may be fat or grease still lodged in the machine. Typically, these parts can be removed by using a long stem screwdriver or similar tool. **DO NOT** use your hands to dislodge or remove any foreign matter from the machine.
4. Spray cleaning solution onto all working parts of the machine. The cleaning solution should remain in place for a certain period of time. This time varies depending on the cleaning solution used (consult your cleaning solution representative to get this time).
5. After the stand-alone time has elapsed, thoroughly rinse cleaning solution from the PAIS-II.
6. Inspect machine and re-clean any hard to clean areas.
7. Rinse machine thoroughly again.



II. SHORT BREAKS (15-60 MINUTES)

REQUIREMENTS

- High pressure water hose (150 - 300 psi),
Max temperature 140° F (60°C).
- Safety glasses.

PROCEDURE

1. Put safety glasses on, and keep them on during entire clean-up procedure.
2. Stand three to six feet away from machine, and clean working surfaces of machine using a side-to-side and up-and-down motion with the spray hose. **DO NOT** attempt to reach into the product entry or exit areas with any part of your body, or with a foreign object or tool.
3. This should be sufficient to clean the machine. If product still remains lodged in the machine, refer to the night-time cleaning section on how to remove the product.

VIII MAINTENANCE



Very little maintenance is required for the PAIS-II. The filter / regulator unit is self draining. To prevent problems, make sure relatively clean dry air is supplied to the unit.

EVERY SHIFT

1. Visually inspect machine for proper operations, adjustments, loose bolts, etc.

MONTHLY

1. Check bearings and rollers for wear.

OIL FILLING DIRECTIONS

If for some reason you remove the air cylinders or oil tank from the PAIS-II, use the following directions to re-fill the oil tank (13). Use only Stork approved food grade oil (Item #46 in Replacement Parts). Using the wrong viscosity oil will have adverse effects on operation.

1. Make sure cylinder (9) is installed.
2. Remove bottom cap from oil tank (13), turn tank upside down and position piston to other end.
3. Fill with oil to the top of the threads, and make sure elbow (36) is installed in bottom cap.
4. Install 1/2" tubing in oil tank elbow (36).
5. Re-install bottom cap. If this procedure is done properly, it will purge all air from the tank and tubing.
6. Attach free end of 1/2" tubing to other elbow (36).
7. Install cylinder (13). Try to keep all air out.
(See fig. 12.1)

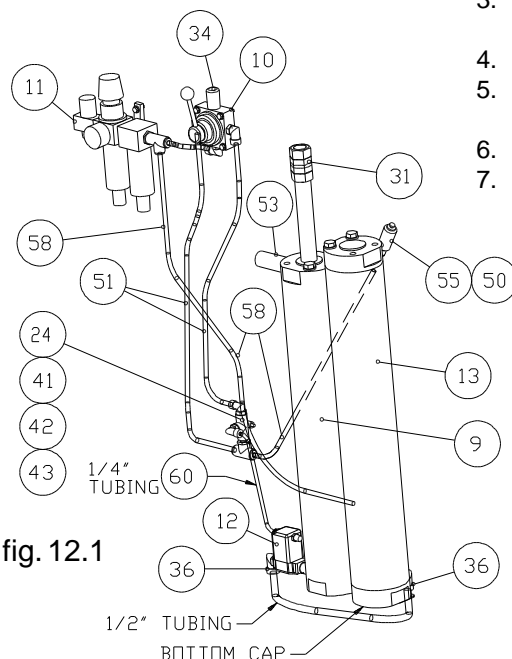


fig. 12.1

IX TROUBLE SHOOTING CHART

Many problems may be avoided by using a good maintenance program with periodic inspection of the machine for worn parts. The accompanying Trouble Shooting Chart is a guide to correcting several possible problems that may be incurred over a period of time. In addition, certain other routine adjustments and repairs should be checked or made, particularly when the size of the chickens change by a large degree.

* Refer to Safety Precautions before performing maintenance on PAIS-II.

A list of recommended spare parts is found at the end of the parts list. When repairs are made, the Initial Adjustment Section should be used as a check list to ensure the proper alignment of the machine for subsequent operation. All parts removed from the machine should be replaced in the same manner and location as originally found.



PROBLEM: 1. HISSING SOUND COMING FROM AIR VALVE UNDER SEAT.

CAUSE: Air valve lever not returned to N position.

SOLUTION: Make sure air valve lever points to N. (See fig. 13.1)

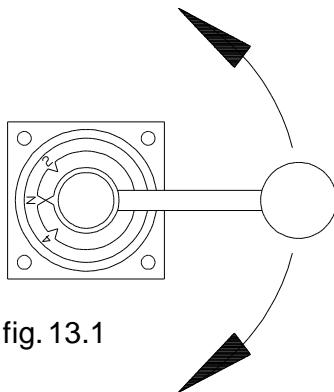


fig. 13.1

X SAFETY SIGN INSTALLATION

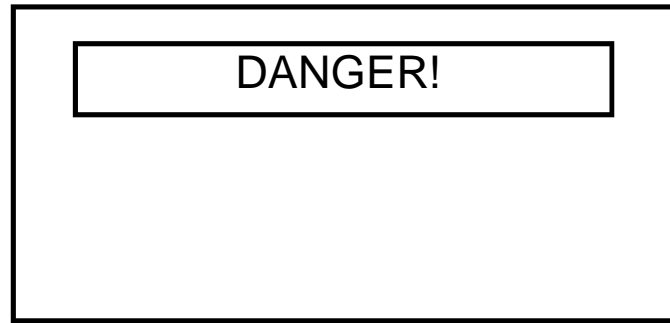


fig. 14.1

1. Surface must be thoroughly cleaned. Use **only isopropyl alcohol** to clean area where decal is to be affixed. Use a **clean shop towel** or **clean cloth**.

NOTE: DO NOT use Dykem remover, WD-40, Vandalism spray, window cleaners or other cleaners to clean surfaces because they contain chemicals that work against 468 adhesive.

2. Remove backing from safety sign (decal). Pull backing from decal, **NOT decal from backing**.
3. Place decal on cleaned area.
4. Burnish decal with rubber squeegee or wall paper roller to remove air pockets and secure edges completely.
5. Do not subject equipment to weather or cleaning for a minimum of 48 hours to allow 468 adhesive to cure.

NOTE: 48 hours = 90% cure, 72 hours = 100% cure.

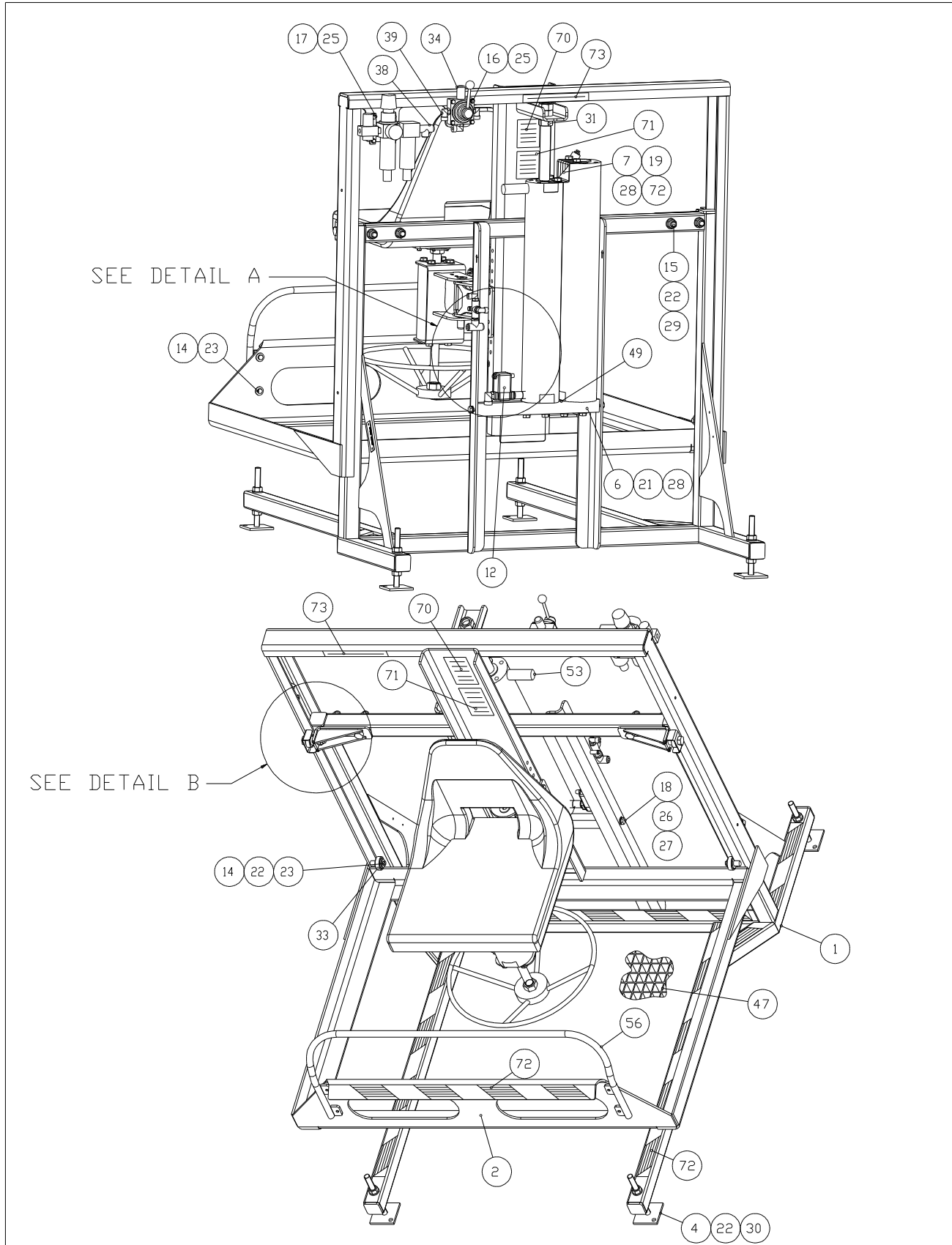
XI REPLACEMENT PARTS

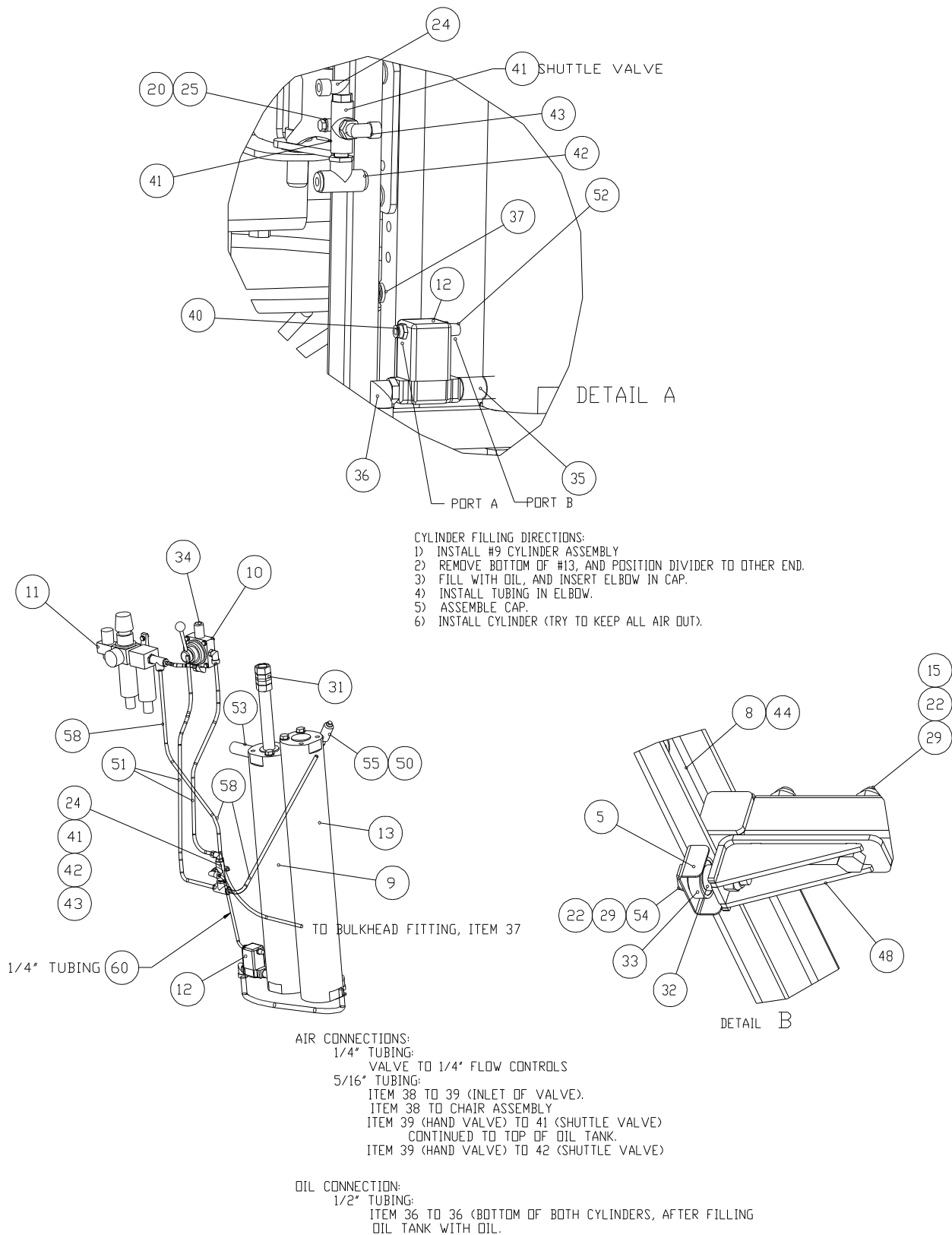
Replacement parts may be ordered directly from the Stork Gamco Parts Department using the following parts list. When ordering, give all the information required at the top of the parts list. Be sure the machine is properly identified as left-hand (LH) or right-hand (RH).

Parts prices are subject to change without notice and current prices should be verified with the Stork Gamco Parts Department.

PARTS LIST

NOTICE - WHEN ORDERING PARTS, PLEASE GIVE SERIAL NUMBER OF MACHINE, MODEL NUMBER, PART NUMBER AND ITS LOCATION, DESCRIPTION OF PART, QUANTITY REQUIRED, AND SHIPPING INSTRUCTIONS.



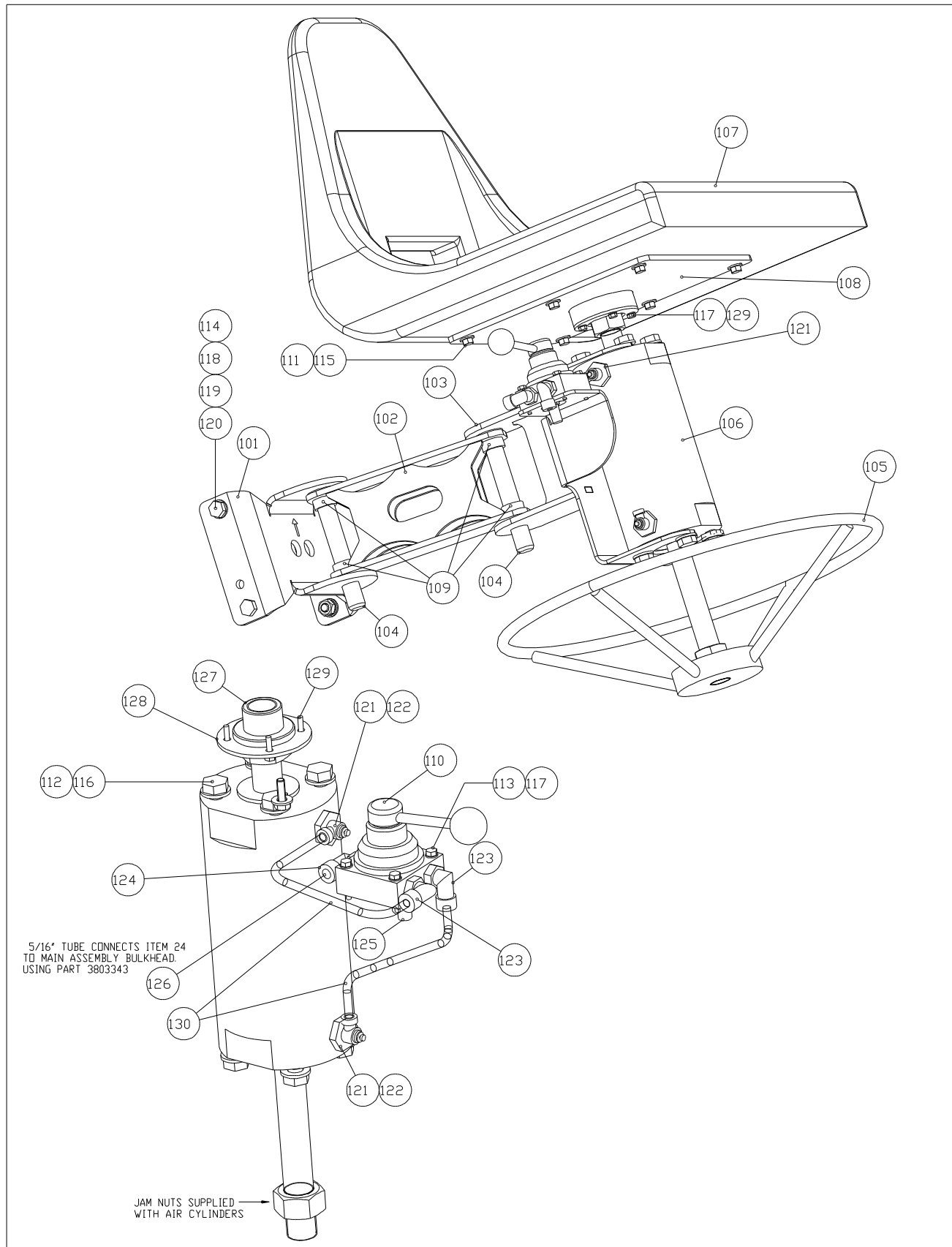


REPLACEMENT PARTS

Stork Gamco Inc.

<u>LOC.</u>	<u>PART NO.</u>	<u>QTY.</u>	<u>DESCRIPTION</u>
1	3803302	1	FRAME LOWER STAND
2	3803303	1	FRAME UPPER STAND
4	3804748	4	LEG
5	3803304	2	COVER BEARING
6	3803305	1	SUPPORT
7	3803307	1	BRACKET CYLINDER HOLDER
8	3803308	2	WEAR STRIP
9	3804741	1	CYLINDER AIR/OIL
10	3803315	1	VALVE AIR HAND
11	3803316	1	REGULATOR AIR W/FILTER, DRAIN
12	3803317	1	VALVE PROCESS CONTROL
13	3804742	1	TANK AIR/OIL
14	000138185	6	BOLT HEX DM8 L16MM
15	000138410	4	BOLT HEX DM16 L80MM
16	000138143	4	BOLT HEX DM6 L35MM
17	000138137	4	BOLT HEX DM6 L20MM
18	000138239	2	BOLT HEX DM10 L25MM
19	000138287	4	BOLT HEX DM12 L20MM
20	000138141	1	BOLT HEX DM6 L30MM
21	000138301	4	BOLT HEX DM12 L55MM
22	000350212	18	WASHER FLAT
23	000351442	6	WASHER FLAT
24	3803344	1	FITTING 90DEG ELBOW
25	000350207	9	WASHER FLAT
26	000350209	2	WASHER FLAT
27	000353111	2	WASHER LOCK
28	000350210	8	WASHER FLAT
29	000163354	6	NUT LOCK DM16
30	000185074	8	NUT HEX DM16
31	00 0185 078	2	NUT HEX DM24
32	0579564	2	SPACER
33	090100016	4	BEARING BALL OD40MM
34	090255316	1	MUFFLER

<u>LOC.</u>	<u>PART NO.</u>	<u>QTY.</u>	<u>DESCRIPTION</u>
35	0203494	1	FITTING NIPPLE D1/2NPT
36	3803349	2	FITTING 90DEG ELBOW
37	3803340	1	FITTING BULKHEAD
38	3815560	1	FITTING TEE
39	3803346	3	FITTING 90DEG ELBOW
40	3804261	1	FITTING STRAIGHT
41	3803320	1	FITTING SHUTTLE VALVE
42	3803347	1	FITTING TEE BRANCH
43	3803345	1	FITTING 90DEG ELBOW
44	000254359	4	SCREW HSFH DM8 L16MM
46	3803309	5gal.	FOOD GRADE OIL
47	0535162	1	GRATE
48	3803339	2	BRACKET
49	3804260	1	PLATE CYLINDER HOLDER
50	0210829	1	FITTING BUSHING
51	3803343	2	TUBING COILED D5/16 L2M
52	3804262	1	MUFFLER
53	3803342	1	MUFFLER
54	000138403	2	BOLT HEX DM16 L60MM
55	3804303	1	VALVE EXHAUST
56	3804743	1	FOOT REST BOLT ON
58	004171008	5ft.	TUBE OD8MM
60	0520830	2ft.	TUBE OD.25" THK.04" POLY BLUE
70	0258427	2	SIGN, "DANGER, KEEP HANDS OUT..." 3" X 5"
71	0258428	2	SIGN, "WARNING: DO NOT REMOVE GUARDS..." 3" X 5"
72	0533999	1	SIGN WARNING-TAPE (10-YARDS/ROLL)
73	0255903	2	SIGN, LOGO "STORK GAMCO" 1.25" X 7.5"



<u>LOC.</u>	<u>PART NO.</u>	<u>QTY.</u>	<u>DESCRIPTION</u>
101	3803330	1	BRACKET CHAIR
102	3804744	1	SUPPORT
103	3803332	1	BRACKET CHAIR
104	3803333	2	PIN
105	3803326	1	SUPPORT FOOT BRACE
106	3803327	1	CYLINDER AIR
107	3803328	1	CHAIR ARMLESS
108	3803329	1	SUPPORT CHAIR
109	090100352	4	BUSHING OD26MM
110	3803335	1	VALVE AIR HAND 1/4NPT
111	0209062	10	BOLT HEX D1/4-20 L.75"
112	000138287	8	BOLT HEX DM12 L20MM
113	000138111	4	BOLT HEX DM5 L30MM
114	000138241	4	BOLT HEX DM10 L30MM
115	000350208	10	WASHER FLAT
116	000350210	8	WASHER FLAT
117	000350206	4	WASHER FLAT
118	000350209	8	WASHER FLAT
119	000353111	4	WASHER LOCK
120	000185071	4	NUT HEX DM10
121	0205109	2	FITTING BUSHING
122	3803334	2	FITTING FLOW CONTROL
123	3803345	2	FITTING 90DEG ELBOW
124	3803344	1	FITTING 90DEG ELBOW
125	0938060	1	MUFFLER
126	3803343	1	TUBING COILED D5/16 L2M
127	3804745	1	BUSHING OD32MM
128	3804746	1	PLATE
129	000138135	4	BOLT HEX DM6 L16MM
130	0520830	6FT.	TUBE OD.25" THK.04" POLY BLUE
131	000350207	4	WASHER FLAT

RECOMMENDED SPARE PARTS TO BE PURCHASED SEPARATELY WITH NEW MACHINE

<u>LOC.</u>	<u>PART NO.</u>	<u>QTY.</u>	<u>DESCRIPTION</u>
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MAINTENANCE RECORD

Stork Gamco Inc.

MAINTENANCE RECORD

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This image shows a full page of blank, lined paper. It features approximately 28 horizontal black lines spaced evenly across the page, typical of standard notebook paper. The lines are thin and extend from the left edge to the right edge. There are no margins, text, or other markings on the page.

DISCLAIMERS

THERE ARE NO WARRANTIES OF MERCHANTABILITY OR FITNESS BY THE MANUFACTURER STORK GAMCO INC. OF THE ENCLOSED MACHINE EXCEPT AS EXPRESSED IN THIS OWNER'S MANUAL.

MISUSES: IF THIS MACHINE IS USED FOR OTHER THAN ITS INTENDED PURPOSE, STORK GAMCO INC. DISCLAIMS ANY WARRANTY, WHICH MIGHT OTHERWISE HAVE APPLIED IN ACCORDANCE WITH STORK GAMCO INC.'S STANDARD LIMITED WARRANTY, AND HOLDS ITSELF BLAMELESS FOR ANY INJURY WHICH MIGHT RESULT FROM SUCH MISUSE.

UNAUTHORIZED REPAIRS: STORK GAMCO INC. HOLDS ITSELF BLAMELESS FOR ANY INJURY OR DAMAGE ARISING OR RESULTING FROM REPAIRS, ALTERATIONS, MODIFICATIONS, OR ADJUSTMENTS NOT SPECIFICALLY AUTHORIZED BY THIS OWNER'S MANUAL OR OUR WRITTEN AUTHORIZATION, INCLUDING INSTALLATION BY PERSONS NOT EMPLOYED BY STORK GAMCO INC.

REPLACEMENT PARTS: USE ONLY STORK GAMCO INC. OR FACTORY-AUTHORIZED REPLACEMENT PARTS AND ACCESSORIES. OTHERWISE, STORK GAMCO INC. DISCLAIMS ANY WARRANTY AND HOLDS ITSELF BLAMELESS FOR ANY DAMAGE.

Operations, Maintenance, and
Sanitation Safety Rules

Each machine is designed for maximum personal safety. However, your machine may have cutting edges or moving parts which may be dangerous and can cause serious injuries. The following list of safety instructions has been developed to help production, clean-up and maintenance personnel work with our machine safely. Production or clean-up personnel should **NEVER** perform any maintenance on a machine. Instead, they should call qualified maintenance personnel when they have a problem with a machine.

1. **READ, UNDERSTAND, AND PRACTICE** these safety precautions. **BE SURE** that you understand how to properly operate your machine **BEFORE** you start operations. **KNOW** the hazards associated with your machine and its limitations.
2. **DO NOT** rely solely on the safety guards, emergency stop buttons, or other safety devices provided for your machine.
3. **DO NOT** wear ties, loose or frayed clothing, rings, watches, or other jewelry when operating, cleaning or performing maintenance on a machine.
4. **DO NOT** stand on, climb on or lean over a machine while it is operating, or at any other time.
5. **DO NOT** reach into a machine to clean, remove blockages, or make operational adjustments while the machine is operating. If you must clean a machine or remove a blockage, use a high pressure water lance or hose.

6. **DO NOT** allow slippery or fatty deposits to build up on the floor around the machine.
7. **DO NOT** talk, look around, or engage in horseplay while operating, cleaning or performing maintenance on a machine.
8. **DO NOT** use your machine for a purpose other than its intended use.
9. **DO NOT** operate, clean or perform maintenance on a machine if you do not feel well or if you are angry or upset.
10. **DO NOT** operate, clean or perform maintenance on a machine if you are taking over-the-counter or prescription medicine that may make you drowsy.
11. **DO NOT** operate, clean or perform maintenance on a machine if you have taken alcohol or intoxicating drugs.
12. **DO NOT** operate your machine until **ALL** of its safety guards and safety signs are in place.
13. **DO NOT** operate your machine until you have made sure that all control buttons and switches work properly.
14. **DO NOT** start your machine if any of its parts are blocked or obstructed.

15. **DO** cover or tie back long hair when operating, cleaning or performing maintenance on a machine.
16. **DO** wear protective footwear with non-slip soles when operating, cleaning or performing maintenance on a machine.
17. **DO** keep your fingernails cut short.
18. **DO** keep your hands out of the machines at all times.
19. If you must perform maintenance on a machine, **DO** turn the local control switch "**OFF**", and **DO** turn the machine's operational / electrical controls in the central control room "**OFF**." **DO** place a "**DO NOT OPERATE**" tag on the central controls until you have completed your maintenance. **DO** implement your company's "Lock-Out", "Tag-Out" procedure.
20. **DO** give your work your undivided attention.
21. **DO** stand with your weight evenly balanced on both feet when operating or working on a machine.
22. **DO** report to your supervisor immediately if you are sick or drowsy.

23. **DO** report to your supervisor if you are taking over-the-counter or prescription medicine that may make you drowsy.
24. **DO** wear approved eye safety shields, goggles, or glasses to protect your eyes when operating, cleaning or performing maintenance on a machine.
25. **DO** roll long sleeves above your elbows.
26. **DO** turn your machine "**OFF**" before you leave it.
27. **DO** report any problem with your machine, no matter how slight, to your supervisor
IMMEDIATELY.
28. **DO** be safe and alert at all times.