



# CX902 (T-50) AIR STAPLER

## User Manual



# TABLE OF CONTENTS

General Safety Instructions for Pneumatic Tools .....	3
CX902 Specific Safety Instructions .....	4
CX902 Features .....	5
Unpacking .....	6
Inventory.....	6
Safety Nose Mechanism .....	6
Oiling the Stapler.....	7
Loading the Stapler .....	7
Operating the Stapler .....	7
Removing the Jammed Nails.....	8
Cleaning .....	8
Parts Diagram .....	9
Parts List.....	10
Warranty .....	12

# GENERAL SAFETY INSTRUCTIONS FOR PNEUMATIC TOOLS

**Extreme caution should be used when operating all pneumatic tools. Know your tool, be familiar with its operation, read through the user manual and practice safe usage procedures at all times.**

- ❖ Keep all guards and safety devices in place and in working order.
- ❖ Always make sure to remove all the keys and wrenches before operation.
- ❖ Always keep your work area clean and well lighted.
- ❖ Do not use the pneumatic tools in damp or wet locations, or where flammable or noxious fumes may exist.
- ❖ Always keep bystanders away or at a safe distance from your work area.
- ❖ Disconnect the power source when changing drill bits, hollow chisels, router bits, shaper heads, blades, knives or making other adjustments or repairs.
- ❖ Never leave a tool unattended while it is in operation.
- ❖ Do not force the tool. It will do a better and safer job at the rate for which it is designed.
- ❖ Always use the right tool. Do not attach any part to the tool for which it is not designed.
- ❖ Always check the hose for any damage before using the pneumatic tool.
- ❖ Disconnect the tool before servicing, changing accessories, or moving to another location.
- ❖ Always check the tool for damaged or broken parts, loosen screws or bolts or any other unsafe condition that may affect the tool operation. Repair the damaged parts before operation.
- ❖ Do not overreach. Always keep proper footing and balance.
- ❖ Always use safety glasses and a dust mask while operation.
- ❖ Always keep your tool lubricated and clean for best and safest performance.
- ❖ Be alert! Do not use prescription or other drugs that may affect your ability or judgment to safely use your tool.

# CX902 – AIR STAPLER

## SPECIFIC SAFETY INSTRUCTIONS

- ❖ Read and follow all the instructions and safety precautions in the user manual before operation.
- ❖ For the protection of your eyes, always wear safety glasses, goggles or face shield while operating this tool.
- ❖ Do not connect the stapler to compressed air that exceeds 120 PSI.
- ❖ Never point the stapler at others. Always carry the stapler by handle.
- ❖ Make sure the air hose is good condition and long enough to reach your work area without stretching.
- ❖ Always keep bystanders away at a safe distance while operation.
- ❖ Make sure not to drive one staple on the top of the other. The staple may deflect and cause injury.
- ❖ Do not drive fasteners close to the edge of the work-piece as the wood may split, allowing the fastener to be deflected possibly causing injury.
- ❖ Always disconnect the air hose before installing staples, clearing a jam, moving to another work area, performing maintenance or when the tool is not in use.
- ❖ Do not use a check valve or any other fitting that allows air to remain in the tool. If used, the tool can remain charged with air after disconnecting and this will be able to drive a fastener even after the air hose is disconnected, possibly causing injury.
- ❖ Do not connect the stapler to pressurized oxygen or other combustible gases as a power source. Only use regulated compressed air.
- ❖ Do not use gasoline or any other flammable liquids to clean the stapler, vapors in the stapler will ignite by a spark and cause it to explode.
- ❖ Always use the fasteners for which the tool is designed.
- ❖ If the stapler is leaking air, damaged or not working properly, do not use it before repairing.
- ❖ Do not use the stapler, if you are not sure about its intended operation.
- ❖ Make sure you have read and understood all the safety instructions in the manual and you are familiar with your shaper, before operating it. If you fail to do so, serious injury could occur.

### **WARNING!**

***The safety instructions given above can not be complete because the environment in every shop is different. Always consider safety first as it applies to your individual working conditions.***



## CX902 (T-50) – AIR STAPLER

# FEATURES

### MODEL CX902 (T-50) – AIR STAPLER

As part of the new line of Craftex CX-Series Pneumatic Tools, we are proud to offer the CX902 (T-50) Air Stapler. By following the instructions and procedures laid out in this user manual, you will receive years of excellent service and satisfaction. The CX902 is a professional tool and like all pneumatic tools, proper care and safety procedures should be adhered to.

#### ✦ **TOOL AIR FITTING**

This tool uses a 1/4" NPT male plug

#### ✦ **OPERATING PRESSURE**

60 to 100 PSI (MAX. 120 PSI)

#### ✦ **AIR CONSUMPTION**

0.98 SCFM @ 90 PSI

#### ✦ **STAPLER DIMENSIONS**

9.5" (24cm) x 6.5" (17cm) x 2.5" (6cm)

#### ✦ **FASTENER SIZE**

Uses Arrow T-50 Staples and Similar

Gauge: 20

Length: 1/4" (6mm) x 5/8" (16mm)

Capacity: 100 pieces

#### ✦ **TOOL WEIGHT**

Weight: 3.8 lbs

## UNPACKING

The tool is properly packaged and shipped in a box. When unpacking, carefully inspect that the stapler has not been damaged during transit.

## INVENTORY

A. Air Stapler -----	1
B. Carrying Case -----	1
C. Safety Goggles -----	1
D. Bottle for Oil -----	1
E. Hex Wrenches -----	2

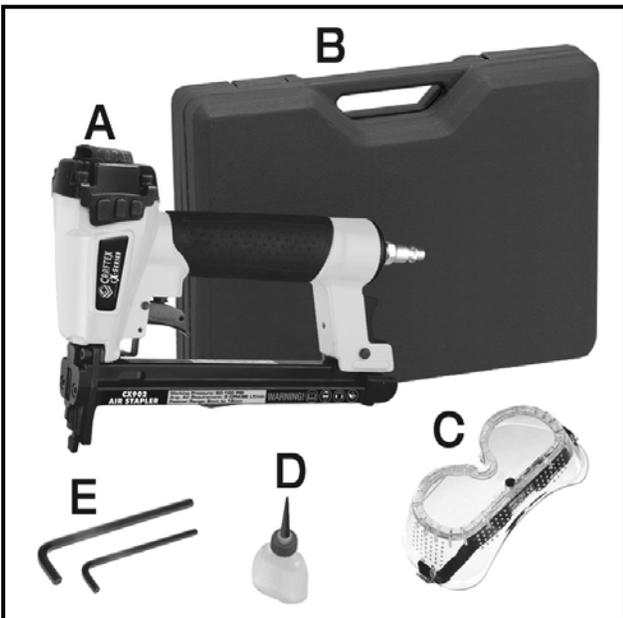


Figure-1 Inventory

## SAFETY NOSE MECHANISM

The CX902 features safety nose mechanism which protects against accidental firing. When the trigger is pressed, the stapler will not fire until the safety nose mechanism is depressed.

Before using the stapler for the first time, check the safety nose mechanism to ensure proper function and safe use.

To check the safety nose mechanism:

Make sure the stapler is disconnected from the air supply.

Make sure the magazine is empty.

Make sure the trigger and the safety nose mechanism move up and down without sticking.

Connect the stapler to the air supply.

Without pressing the trigger, depress the safety nose mechanism against a scrap piece of wood that is clean and free of any knots, nails, staples or other foreign objects.

- If the stapler does not fire, the safety nose mechanism is working.
- If the stapler does fire, the safety nose mechanism is not working. Disconnect the air supply to the stapler and do not use the stapler until the safety nose mechanism is fixed.

Keep the stapler with its nose mechanism on the scrap wood and now, pull the trigger and the stapler should fire.

## OILING THE STAPLER

The CX902 Air Stapler needs to be lubricated before every use. Place three to four drops of pneumatic tool oil (provided) in the stapler air inlet every two hours of continuous use. See figure-2.



Figure-2 Lubricating the stapler

## LOADING THE STAPLER

Disconnect the stapler from the air supply.

The CX902 accepts staplers with the following specifications:

Use arrow T-50 Staples or similar.

Gauge: 20

Length: 1/4" (6mm) to 5/8" (16mm)

Capacity: 100 pieces

Depress and hold the magazine cover lock while pulling the magazine cover back all the way.

Slide a strip of staples, pointed-end down into the magazine.

Push the magazine cover forward until it is locked in its place.

## OPERATING THE STAPLER

Before operating the stapler, make sure you have read and understood the instructions given in this manual.

### **WARNING!**

*Lubricate the stapler with a few drops of oil as instructed in the manual, before operating it. Failure to do so could result in internal damage to the stapler and will void the warranty.*

Always use the stapler first on a piece of scrap wood; thick enough for the length of the staples, loaded in the magazine, before using it on the actual work-piece.

To operate the stapler:

Connect the air supply hose to the stapler.

Check the work-piece and make sure it is free of knots, metals, or any other foreign objects that will cause deflection.

Hold the stapler perpendicular to the surface of the work-piece. Depress the safety nose mechanism against the wood and make sure your other hand and body parts are positioned out of the way of the potential of the staple in case of deflection.

Pull the trigger and drive the stapler into the work-piece. Remove the stapler and check the staple for proper depth.

If the staple is shot too deep into the wood, slightly decrease the air pressure.

If the depth is too shallow, slightly increase the air pressure.

## REMOVING JAMMED STAPLES

Sometimes the staple gets jammed. Jammed staple must be removed before using the stapler again.

To clear the jammed staple:

Disconnect the air supply to the stapler.

Push and hold the magazine lock, pull the magazine loader all the way back.

Now, use needle nose pliers to remove the jammed staple.

If the jammed staple can not be removed, remove the cap screws securing the driver guide cover to the nose assembly.

Now, the jammed staple should be visible. Remove it with a pair of needle nose pliers.

Re-install the driver guide cover, and load a new staples stick.

Check the safety nose mechanism, before using the stapler again.

## CLEANING

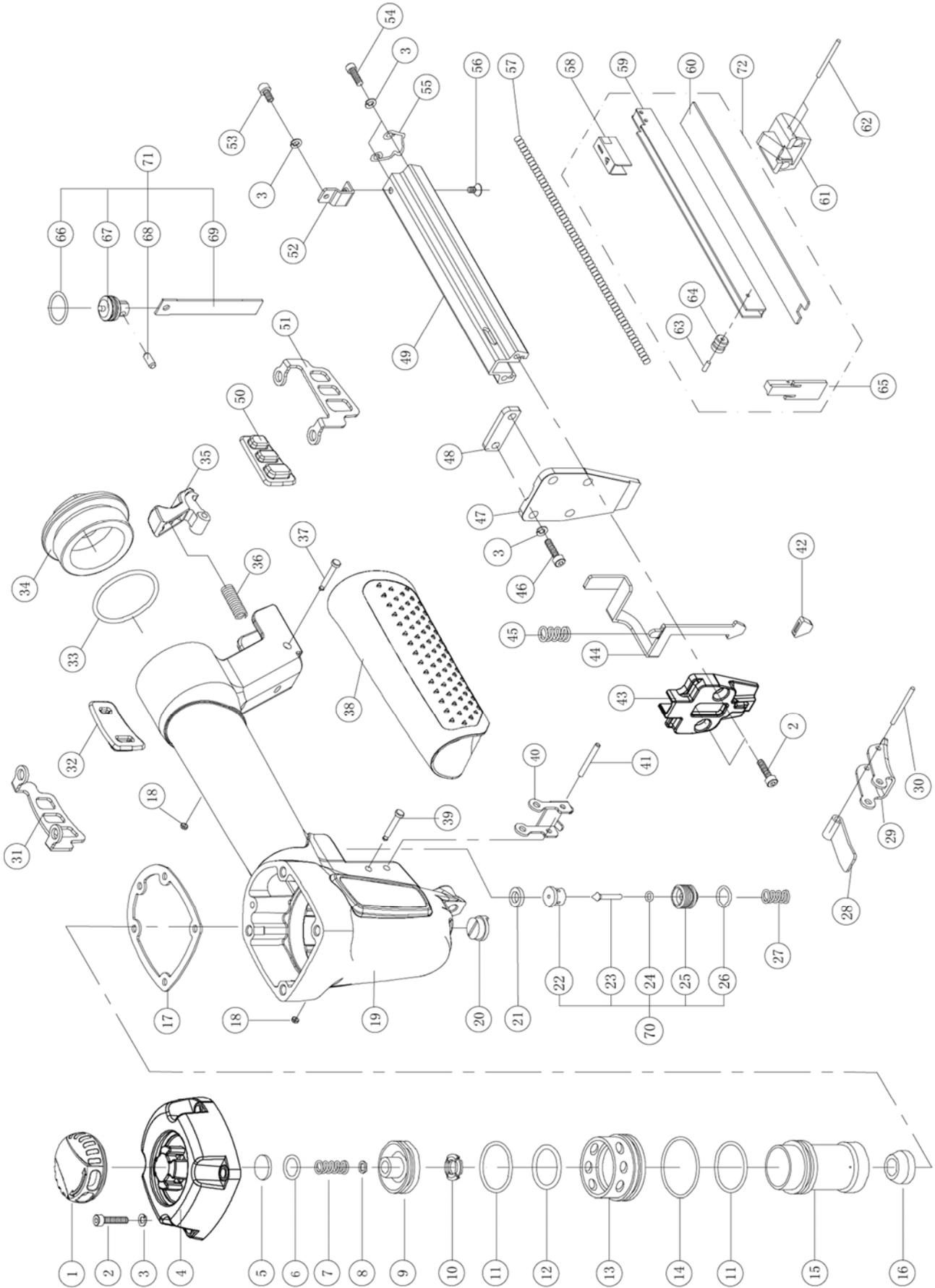
Always keep the stapler clean from dust, chips, sand and etc, in the air connectors or into the body.

Use a good solvent to clean the nose assembly of the stapler and make sure the stapler is dry before using it again.

### **WARNING!**

*Do not use gasoline or flammable liquids to clean this tool. Vapours in the tool may ignite, causing the tool to explode. Failure to do so could result in serious personal injury or death.*

# CX902 Parts Diagram



# CX902 Parts List

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	A.03.04.0021	EXHAUST COVER	1
2	A.00.00.0071	SCREW 4*18	6
3	A.00.05.0001	WASHER #4*1.1t	9
4	A.09.27.XXX1	CYLINDER CAP	1
5	A.03.11.0031	SEAL, AIR	1
6	A.02.00.0231	O-RING 11.8*2.4	1
7	A.01.00.0481	SPRING	1
8	A.00.05.0091	WASHER	1
9	A.03.08.0051	FIRING VALVE PISTON	1
10	A.03.13.0071	PISTON STOPPER	1
11	A.02.00.0511	O-RING 26.6*2.4	2
12	A.02.00.0391	O-RING 21.3*3	1
13	A.03.05.0031	COLLAR	1
14	A.02.00.0621	O-RING 35*2	1
15	A.03.03.0132	CYLINDER	1
16	A.03.09.0021	BUMPER	1
17	A.02.05.0261	GASKET	1
18	A.00.05.0041	E-RING 5.5*2	1
19	A.04.32.XXX1	BODY	1
20	A.03.10.0031	NOZZLE	1
21	A.05.05.0001	SEAL, AIR	1
22	A.05.03.0031	UPPER REMOTE HOUSING	1
23	A.05.04.0041	REMOTE CORE	1
24	A.02.00.0081	O-RING 3.5*1.6	1
25	A.05.03.0111	REMOTE HOUSING	1
26	A.02.00.0191	O-RING 9.8*1.9	1
27	A.01.00.0431	SPRING	1
28	A.05.01.0091	RELEASING BLADE	1
29	A.05.00.0031	TRIGGER	1
30	A.00.11.0071	SPRING PIN 2.5*14	1
31	A.03.17.0201	Prevent fall frame(B)	1
32	A.03.17.0211	Prevent fall frame(B)	1
33	A.02.00.1091	O-RING 32.5*2.65	1
34	A.10.02.XXX1	TAIL COVER	1
35	A.07.09.0251	CLICK LEVER	1
36	A.01.01.0071	TORSION SPRING	1

# CX902 Parts List

ITEM NO.	PART NO.	DESCRIPTION	QTY
37	A.00.06.0151	STEP PIN	1
38	A.02.04.0141	HANDLE GRIP	1
39	A.00.06.0101	STEP PIN	1
40	A.07.12.0011	CATCH GUIDE PLATE	1
41	A.00.11.0091	SPRING PIN 2.5*22	1
42	A.02.04.0261	PAD	1
43	A.07.12.0331	DRIVER GUIDE COVER	1
44	A.07.11.0331	RELEASE CATCH	1
45	A.01.00.0261	COMPRESSION SPRING	1
46	A.00.00.0061	SCREW 4*16	2
47	A.08.01.0461	DRIVER GUIDE	1
48	A.08.00.0171	SPACER	1
49	A.07.00.0241	UPPER MAG	1
50	A.03.17.0191	Prevent fall frame(A)	1
51	A.03.17.0181	Prevent fall frame(A)	1
52	A.07.06.0141	MAGAZINE SUPPORT	1
53	A.00.00.0031	SCREW 4*12	1
54	A.00.00.0041	SCREW 4*12 H= φ6	2
55	A.01.03.0011	SPRING	1
56	A.00.00.0341	SCREW 4*6	1
57	A.01.00.0121	FEEDER SPRING	1
58	A.07.07.0091	PUSHER	1
59	A.07.01.0621	BASE PLATE OF NAIL TANK	1
60	A.07.01.0611	NAIL TANK	1
61	A.07.18.0171	TAIL COVER	1
62	A.00.11.0161	SPRING PIN S350	1
63	A.00.11.0371	SPRING PIN 2.5*8.5	2
64	A.07.03.0071	KOLLER	1
65	A.07.04.0121	FRONT PART	1
66	A.02.00.0351	O-RING 17.3*3	1
67	A.06.02.0131	PISTON HEAD	1
68	A.00.06.0121	OUTER SPRING PIN	1
69	A.06.00.0231	DRIVER BLADE	1
70	B.05.03.0011	TRIGGER VALVE SET	1
71	B.06.00.0451	PISTON SET	1
72	B.07.00.0261	MAGAZINE ASSEMBLY	1



## WARRANTY

### CRAFTEX 3 YEARS LIMITED WARRANTY

Crafter warrants every product to be free from defects in materials and agrees to correct such defects where applicable. This warranty covers **three years** for parts and 90 days for labour (unless specified otherwise), to the original purchaser from the date of purchase but does not apply to malfunctions arising directly or indirectly from misuse, abuse, improper installation or assembly, negligence, accidents, repairs or alterations or lack of maintenance.

*Proof of purchase is necessary.*

All warranty claims are subject to inspection of such products or part thereof and Crafter reserves the right to inspect any returned item before a refund or replacement may be issued.

This warranty shall not apply to consumable products such as blades, bits, belts, cutters, chisels, punches etceteras.

Crafter shall in no event be liable for injuries, accidental or otherwise, death to persons or damage to property or for incidental contingent, special or consequential damages arising from the use of our products.

### **RETURNS, REPAIRS AND REPLACEMENTS**

To return, repair, or replace a Crafter product, you must visit the appropriate Busy Bee Tools showroom or call 1-800-461-BUSY. Crafter is a brand of equipment that is exclusive to Busy Bee Tools.

For replacement parts directly from Busy Bee Tools, for this machine, please call 1-800-461-BUSY (2879), and have your credit card and part number handy.

- All returned merchandise will be subject to a minimum charge of 15% for re-stocking and handling with the following qualifications.
- Returns must be pre-authorized by us in writing.
- We do not accept *collect* shipments.
- Items returned for warranty purposes must be insured and shipped pre-paid to the nearest warehouse
- Returns must be accompanied with a copy of your original invoice as proof of purchase. Returns must be in an un-used condition and shipped in their original packaging a letter explaining your reason for the return. Incurred shipping and handling charges are not refundable.
- Busy Bee will repair or replace the item at our discretion and subject to our inspection.
- Repaired or replaced items will be returned to you pre-paid by our choice of carriers.
- Busy Bee reserves the right to refuse reimbursement or repairs or replacement if a third party without our prior authorization has carried out repairs to the item.
- Repairs made by Busy Bee are warranted for 30 days on parts and labour.
- Any unforeseen repair charges will be reported to you for acceptance prior to making the repairs.
- The Busy Bee Parts & Service Departments are fully equipped to do repairs on all products purchased from us with the exception of some products that require the return to their authorized repair depots. A Busy Bee representative will provide you with the necessary information to have this done.
- For faster service it is advisable to contact the nearest Busy Bee location for parts availability prior to bringing your product in for repairs.