

# Trapiron®

**Automatic Discharge Technology**

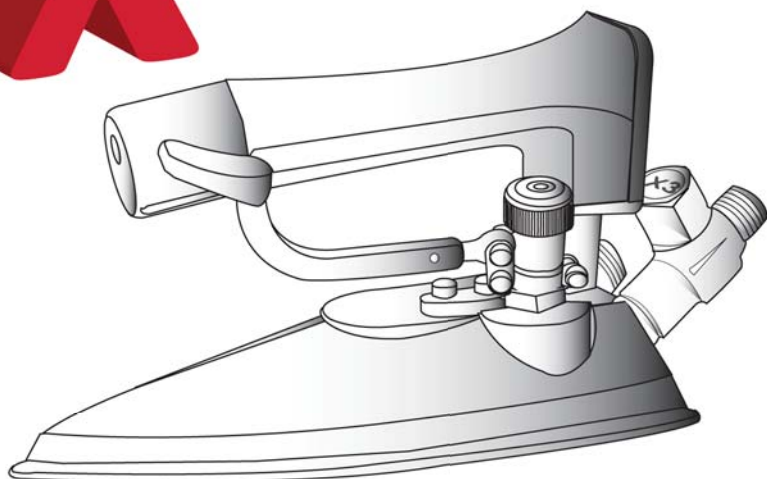
## *Operating Manual*

X• Series – Automatic Discharge All Steam Iron

Model No. X-2

X-3

X-4



***Professional Steam Iron***

US Patent Pending



### **IMPORTANT**

- Please read this owner's manual thoroughly before installing and operating your iron.
- Please retain this owner's manual for future reference after reading it thoroughly.

# OPERATING MANUAL

Trapiron® X • Series - Model No. X<sup>2</sup>- X<sup>3</sup> - X<sup>4</sup>

Thank you for purchasing the Trapiron® X•Series *Automatic Discharge All-Steam Iron*. The Trapiron® X•Series uses an innovated 'Automatic Discharge System' that allows saving energy with no steam wasted by discharging condensate water automatically.

Please read this instruction manual carefully before using the iron to ensure its longest possible life.

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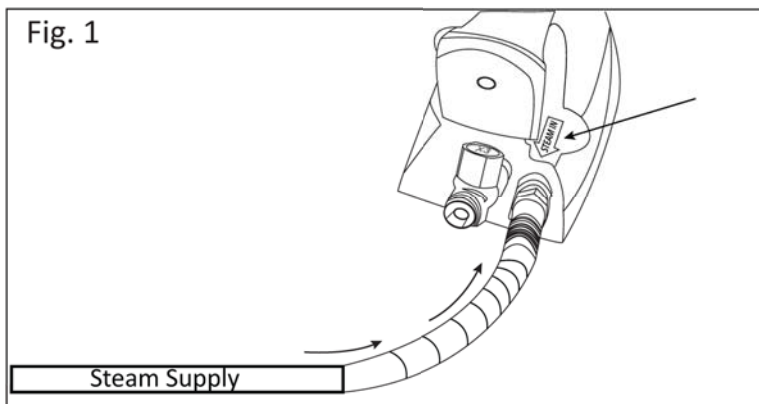
### WARNING

Be sure to turn off the steam supply source of the iron and wait for the iron to cool down before attempting to troubleshoot the iron.

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## A. INSTALLATION & CONNECTING

1. Connect one hose to the steam supply line from the boiler and the other end of the hose to the *Hose Fitting* (Part# HNC-1) of the iron where the *In*" label is. (Fig.1)

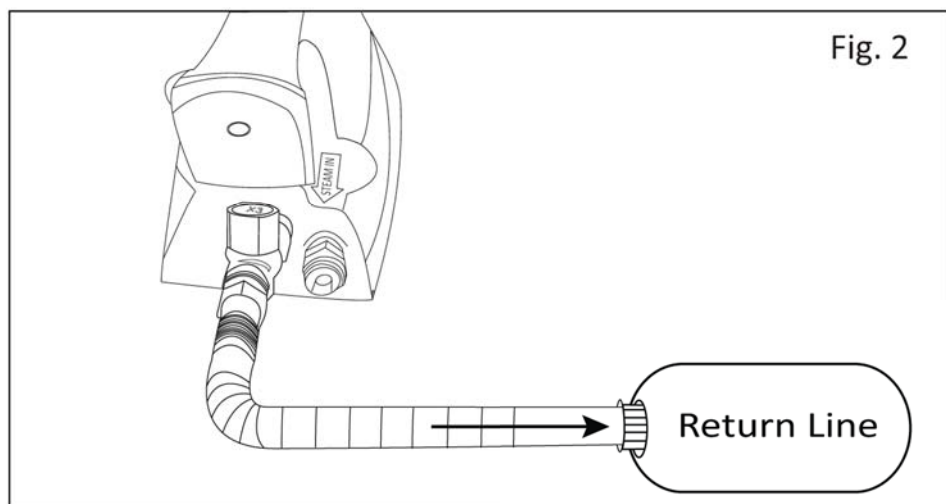


Fasten the cap nut of the hose while holding the hex-part of the *Hose Fitting* iron firmly with another wrench.

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2. Connect one end of the other hose to the returning line of the boiler and the other end to the *Automatic Discharge Valve* (Part# ADV-1) of the iron. (Fig.2)



Fasten the cap nut of the hose while holding the *Automatic Discharge Valve* body on the iron firmly with another wrench.



## IMPORTANT

- ❖ After connecting the hoses, inspect each hose connection. (If you see water leaking out from the bottom of the iron, the hoses are reversed).
- ❖ Before you start ironing, make sure the iron is facing away from the press and any clothes and press on the Push Lever (Part#36) a few times.
- ❖ If the boiler is not hot enough, you may see water leaking out of the iron. This is not an iron malfunction. Do not start pressing clothes until the boiler has heated thoroughly. Be sure to place the iron on the iron rest when not in use. Failing to do so may damage clothing, equipment, and/or the iron.
- ❖ If you see water leaking out from the bottom of the steam iron, please refer to the "Troubleshooting" section of this manual.

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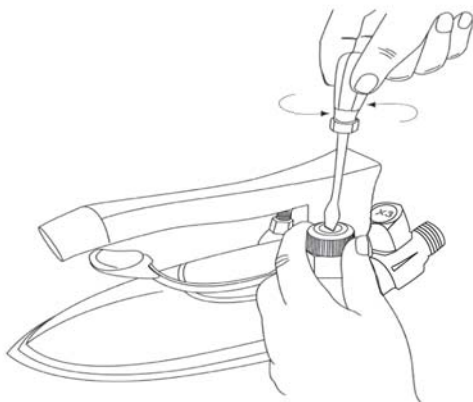
## B. OPTIMIZATION & ENERGY SAVING

- Thanks to its innovated 'Automatic Discharge System' the Trapiron® X•Series All-Steam Iron operates efficiently at its highest level in saving energy.
- The 'Automatic Discharge System' avoids the need of opening and closing the ordinary exhaust valve manually while the iron is in use and when is not in use.
- As long as the *Automatic Discharge Valve* is operating in good condition, no steam will be wasted.
- If you stop hearing the *Automatic Discharge Valve's* snick sound, please refer to the "Troubleshooting" section of this manual.

## C. ADJUSTING THE STEAM VOLUME

- When you need to adjust the steam volume, unfasten the *Black Cap Nut* (Part# 33) counterclockwise to release the *Adjusting Screw* and turn the *Adjusting Screw* (Part# 32) with a screwdriver.
- Turn the *Adjusting Screw* counterclockwise to increase the steam volume.
- Turn the *Adjusting Screw* clockwise to decrease the steam volume.
- Once you have reached the desired steam volume, fasten the *Black Cap Nut* clockwise over the *Adjusting Screw* (Fig.3) to lock it in place.

Fig. 3





## IMPORTANT

- ❖ Once finished with operating the iron, the Trapiron® '*Automatic Discharge System*' automatically releases the remaining steam inside the iron reducing the need of pressing on the *Push Lever*.

Unlike ordinary steam iron there's no need to manually release the condensation by opening the exhaust valve during the entire operating process.

- ❖ In the event that you encounter technical difficulties with the iron, please contact your local Authorized Dealer from whom the Trapiron® X • Series *Automatic Discharge All-Steam Iron* was purchased.
- ❖ Only skilled mechanics should attempt any repairs on an iron.

## D. MAINTENANCE

- Be sure to clean the base of the iron regularly. Keep the base clean of dust and adhered starch-residues.
- Check the iron periodically to make sure there are no steam leaks.
- Check the *Automatic Discharge Valve* to make sure is working properly. It is recommended to clean the *Disk* and its seating inside the *Automatic Discharge Valve* periodically. Be sure to turn off the steam supply source of the iron and wait for the iron to cool down for maintenance.
- If you need to replace parts on the iron, Please contact your local Authorized Dealer from whom the Trapiron® X • Series *Automatic Discharge All-Steam Iron* was purchased.
- Use genuine Trapiron® parts for optimum results.

## E. TROUBLESHOOTING

**Problem: The iron is not releasing any steam or the iron is not heating up.**

**(Solution 1)** Check if the boiler is turned on.

**(Solution 2)** Check if the *Ball Valve* of the steam supply line is open.

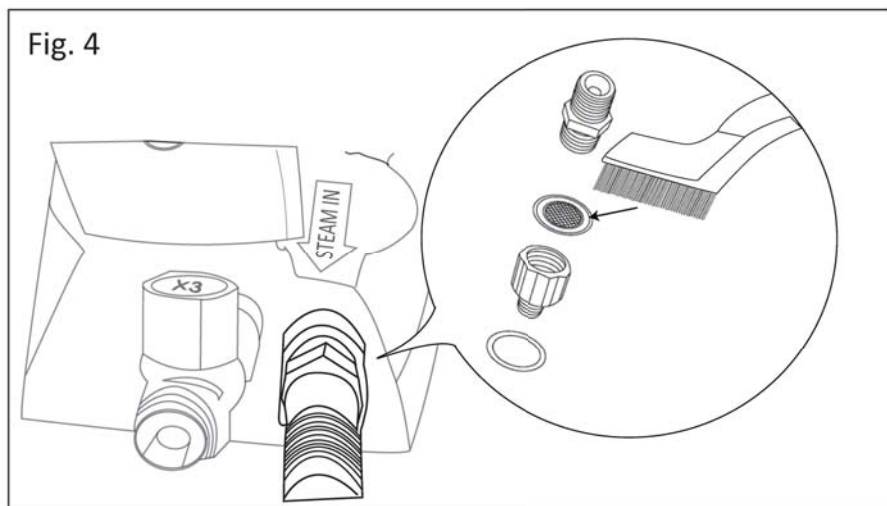
**(Solution 3)** Make sure the hose connections are in good working order. Verify there is no debris inside the hoses by taking them off the iron and blowing air through them. Replace if crimped or bent.



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- (Solution 4) Check the steam supply *Hose Fitting* (Part#HNC-1) on the iron and make sure it is free of any debris, dirt or scale build-up. If the *Hose Fitting* is clogged it will not allow steam to flow through the iron. Disconnect the *Hose Fitting* and clean the *Mesh Filter* (Part# 14). (Fig.4)



- (Solution 5) Make sure the *Steam Traps* on the steam supply line are not clogged. Tap on the *Steam Trap* to dislodge any dirt or debris that may cause the *Steam Trap* to stay shut.

## Problem: The steam flow is not sufficient

- (Solution 1) Refer to the "Adjusting the Steam Volume" section of this manual. After the steam flow is adjusted, fasten the *Black Cap Nut* over the *Adjusting Screw* to lock it in place.
- (Solution 2) Check the steam supply *Hose Fitting* on the iron. Disconnect the *Hose Fitting* and clean the *Mesh Filter* (Part# 14). (Fig.4)

## Problem: The iron leaks water from the base when the Push Lever is pressed

- (Solution 1) Make sure that the steam supply and the steam return hoses have not been reversed. (This is the most common cause of initial water leaks).
- (Solution 2) Check the *Automatic Discharge Valve* (Part# ADV-1) to dislodge any dirt or debris that may cause the valve to stay shut.
- (Solution 3) Make sure the return line is working properly.

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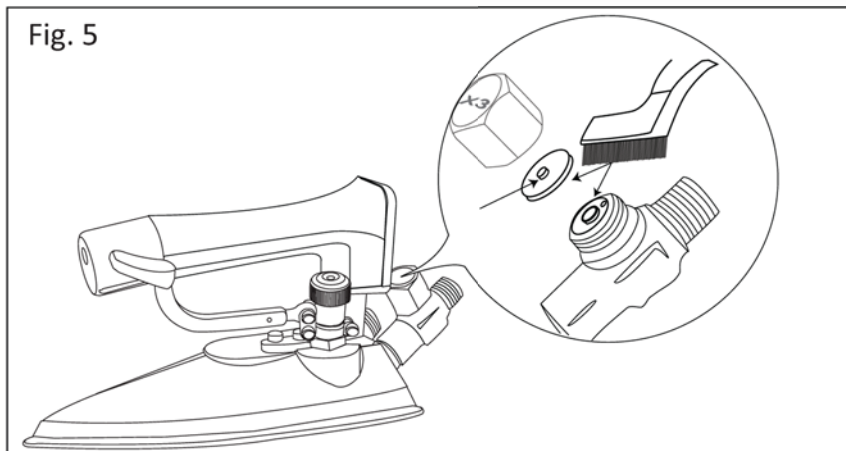
## Problem: The *Automatic Discharge Valve* stops working

When the *Automatic Discharge Valve* stops working properly you will stop hearing the valve's snick sound, causing water and steam leaks in the iron.

**(Solution 1)** Tap on the *Metal Cap* (Part# 22) of the *Automatic Discharge Valve* (Part# ADV-1) to dislodge any dirt or debris that may cause the valve to stay shut.

**(Solution 2)** There may be debris or dirt lodged inside the valve. Open the *Metal Cap* (Part# 22) of the *Automatic Discharge Valve* and remove gently all the debris or dirt in the *Disk* (Part# 21) with a soft brush. (Fig. 5)

Fig. 5



## Problem: The iron leaks steam from the base or from the Push Lever

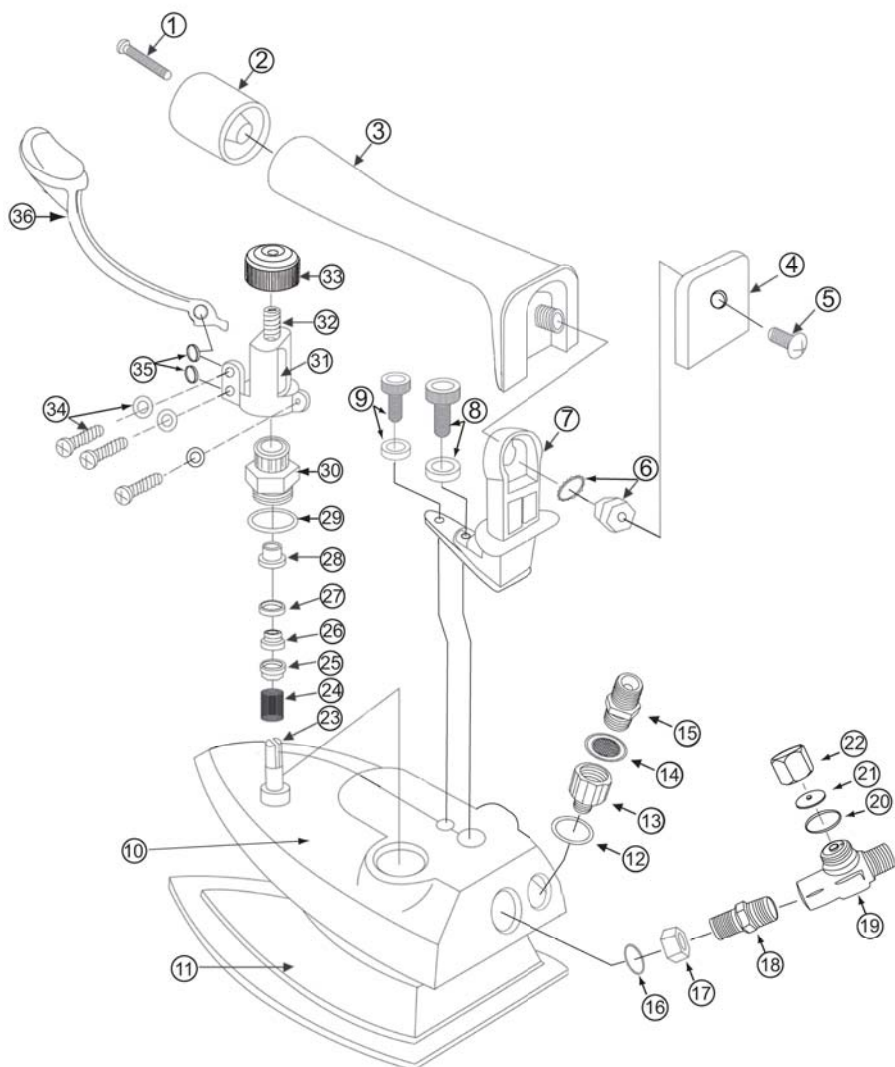
**(Solution 1)** There may be debris or dirt lodged in the *Steam Valve's Spindle*. Open the *Steam Valve* and remove the debris or dirt seating on the base of the *Spindle* (Part# 23).

**(Solution 2)** The *Spindle Packing* tends to wear down after a certain period of normal use. Open the *Steam Valve* and check. Replace the *Spindle* if necessary (Part# RK-1).

**(Solution 3)** There may be a bad *Gasket* in the *Steam Valve* area. Replace the *Steam Valve Assembly* (Part# RK-2).

# PART BREAK DOWN

Trapiron® X • Series - Model No. X<sup>2</sup> - X<sup>3</sup> - X<sup>4</sup>





# PART LIST

Trapiron® X • Series - Model No. X<sup>2</sup>- X<sup>3</sup>- X<sup>4</sup>

No.	Description	Assembly	
1	Screw for Handle Tip	UH-1 (Handle Assembly)	
2	Tip for Urethane Handle		
3	Urethane Handle		
4	Name Plate		
5	Name Plate Screw		
6	Washer & Nut for Handle		
7	Support for Urethane Handle	UH-2 (Handle Support Assembly)	
8	Spring Washer & Bolt – Rear		
9	Spring Washer & Bolt – Front		
10	Plastic Cover	X7252	
11	Iron Body	X7253	
12	Packing for Hose Fitting	HNC-1 (Hose Fitting Assembly)	
13	Hose Fitting		
14	Mesh Filter		
15	Mesh Filter Housing		
16	Packing for 'AD' Valve	ADV-1 (Automatic Discharge Valve)	
17	Nut for 'AD' Valve		
18	Fitting for 'AD' Valve		
19	Automatic Discharge Valve Body		
20	Silicone Ring for 'AD' Valve		
21	Disk for 'AD' Valve		
22	Metal Cap for 'AD' Valve		
23	Steam Valve Spindle	RK-1 (Repair Kit)	
24	Valve Spindle Spring		
25	Spring Ring		
26	PTFE Cap Seal		
27	Silicon O-Ring for Valve Spindle		
28	PTFE Bushing	RK-2 (Steam Valve Assm.)	
29	Silicon O-Ring for Valve Spindle		
30	Steam Valve Body		
31	Lever Clamp	PL-1 (Steam Regulator)	
32	Adjusting Screw		
33	Black Cap Nut		
34	Lever Clamp Screw & Washer		
35	Push Lever Fulcrum		
36	Push Lever		
		PL-2 (Push Lever)	PL-3 (Steam Regulator Assm.)