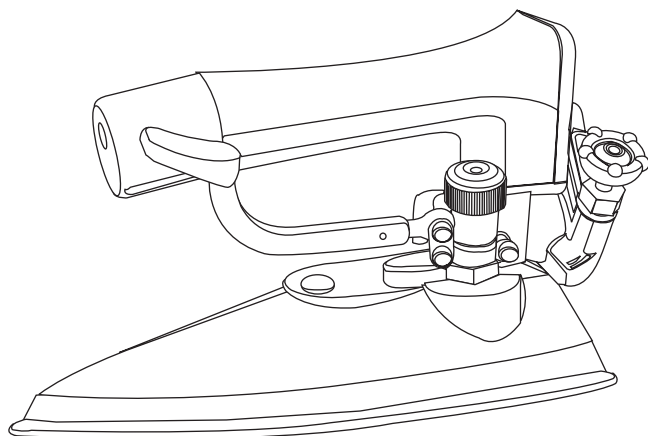


HÖT-STEAM®

Operating Manual



MSP Series Professional All-Steam Iron

Model No. *MSP211, MSP310, MSP410, MSP610*



Please read this Operating Manual
thoroughly before installing and
operating your iron.

Please retain this Operating Manual
for future reference.

Languages
English
한국어

OPERATING MANUAL

Höt-Steam® MSP® Series Model No. MSP211 • MSP310 • MSP410 • MSP610

Thank you for purchasing the Höt-Steam® MSP® Series *All-Steam Iron*. The **All-Steam Iron** is required to be connected to a boiler in order to work. Please read this instruction manual carefully before using the iron to ensure its longest possible life.

☑ Table of Contents

- A. Installation
- B. Operation & Optimization
- C. Adjusting Steam Volume
- D. Maintenance
- E. Troubleshooting



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.

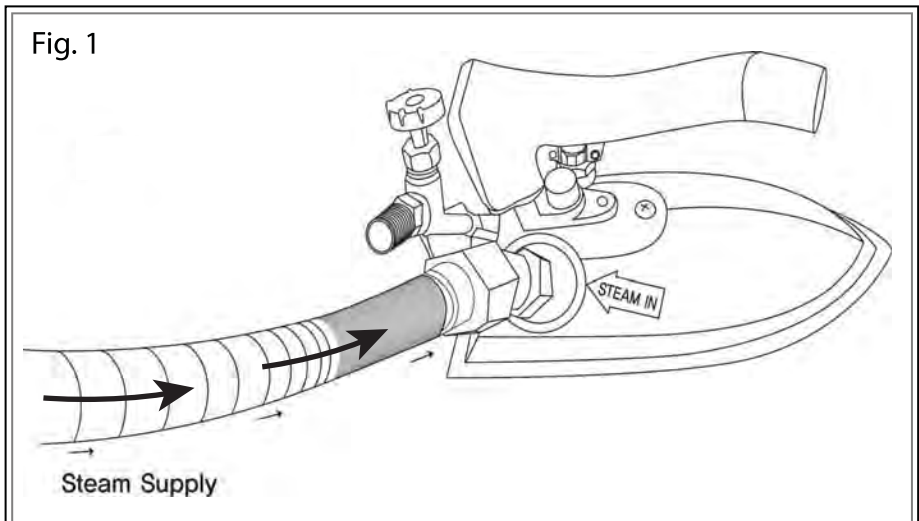
A. INSTALLATION & CONNECTING

** 2 Steam Hoses are needed to connect the steam iron. **

** **Teflon Tape** must be used for connecting hoses to the steam iron. **

1. Steam Supply Line:

Connect one hose to the steam supply source, and the other end to the **Steam Supply Hose Fitting** (Part# 17-A) marked with "Steam-In" label. (Fig.1)



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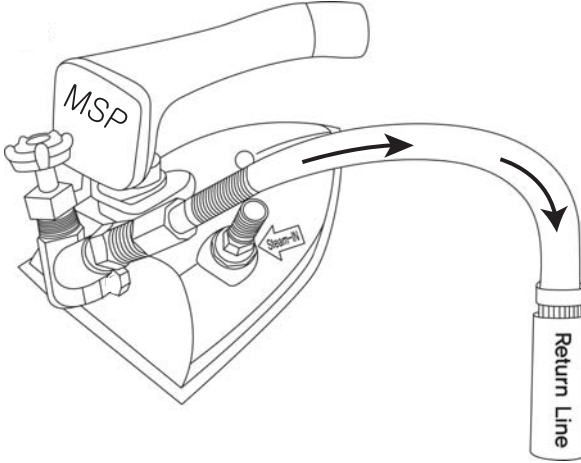
CAUTION

Two separate Wrenches must be used when fastening the return line hose. Otherwise the Hose Fitting will crack if overtightened (Fig.3).

2. Return Line

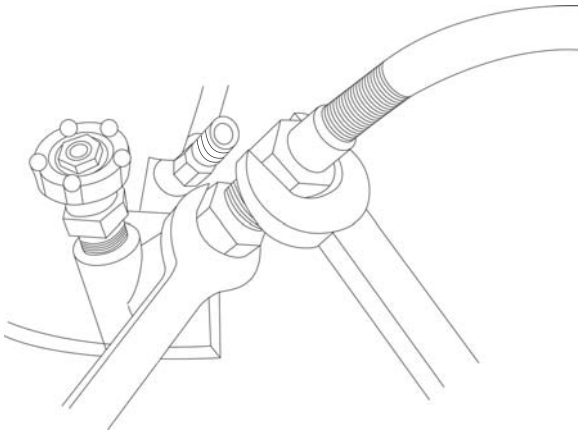
Connect the second hose to the return line of steam supply source and the other end to the **Exhaust Hose Fitting**(Part# 22) of the iron. (Fig.2)

Fig. 2



3. Fasten the Steam Hose Nut with a wrench while holding the hex-part of the **Exhaust Hose Fitting** (Part#22) firmly with another wrench. (Fig.3)

Fig. 3



CAUTION

After connecting the hoses, inspect each hose connection. (If you see water leaking out from the bottom of the iron, the hoses are reversed.)

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B. OPERATION & OPTIMIZATION

1. Turn on the boiler and wait until it reaches a desired pressure.
2. Open the Ball Valve in the steam supply line.
3. Before you start ironing, open the **Exhaust Valve Knob**(Part#28) on the **Exhaust Valve** by turning it counterclockwise so that any possible condensation formed can be released to the Return Line.
4. Make sure that the iron is facing away from the operator and press on the **Push Lever**(Part#44) a few times to test the iron is working properly. **During this process you may see water coming out of the iron base. This is not an iron malfunction. It is part of the condensation from Steam Supply Line.**
5. If you still see water coming out of the iron base after this process, please refer to the "Troubleshooting" section of this manual.
6. When operating the All-Steam Iron, keep the **Exhaust Valve Knob** (Part#28) open (¼ turn counterclockwise) so that any possible condensation can be released automatically by steam pressure.

🚩 Energy Saving 🚩

Install a Höt-Steam® Iron Disc Trap(Part# ST-002) or a Return Line Disc Steam Trap(Part# DT-301) to save energy. These Steam Traps efficiently hold steam by releasing only condensation to the Return Line.

C. ADJUSTING THE STEAM VOLUME

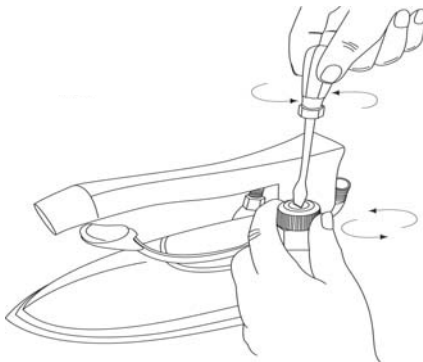
When you need to adjust the steam volume, unfasten the **Black Cap Nut** (Part # 40) counterclockwise to release the **Screw**(Part# 39), and hold the **Black Cap Nut** and turn the **Screw**(Part#39) with a screwdriver.

⦿To increase steam volume: Turn the **Screw** (Part#39) counterclockwise.

⦿To decrease steam volume: Turn the **Screw**(Part#39) clockwise.

Once you have reached the desired steam volume, fasten the **Black Cap Nut**(Part#40) clockwise to lock the **Screw**(Part#39) in place. (Fig. 4)

Fig. 4



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IMPORTANT

Once finished with operating the iron, close the Ball Valve in the steam supply line. Open the **Exhaust Valve Knob**(Part#28) by turning counterclockwise, and press down on the **Push Lever**(Part#44) until all remaining steam & condensation inside the iron are released.

D. MAINTENANCE

- ⊙ Be sure to clean the base of the iron regularly. Keep the base clean of dust and adhered starch-residues.
- ⊙ Empty the iron and hoses of steam and condensation at the end of each operation.
- ⊙ Check the iron periodically to make sure there are no steam leaks.



IMPORTANT

If you need to replace parts of the iron, please contact your local **Authorized Dealer** from whom the Höt-Steam® iron was purchased. Use genuine Höt-Steam® parts for optimum results and to avoid the product warranty to be declined.

E. TROUBLESHOOTING

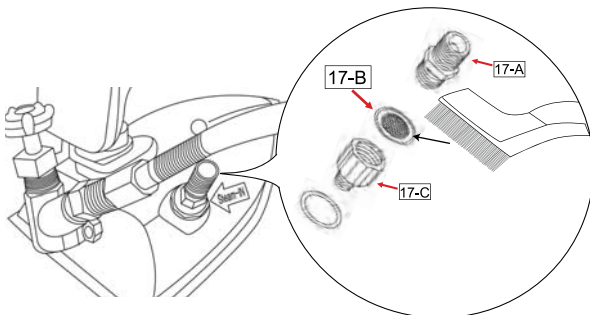
(Problem) The iron doesn't release any steam or the iron is not heating up.

- (Solution 1)** Make sure the boiler is turned on.
- (Solution 2)** Make sure the Ball Valves in the steam supply line is open.
- (Solution 3)** Make sure the Steam Supply Hose is not clogged or kinked.

(Problem) The steam flow is not sufficient

- (Solution 1)** Check the **Strainer**(Part#17-B) in the **Steam Supply Hose Fitting**(Part# 17-A) is free of debris or scale build-up. (Fig. 5)
- (Solution 2)** Refer to 'C. ADJUSTING THE STEAM VOLUME'.

Fig. 5



(Problem) The iron leaks water from the base of the iron when the Push Lever is pressed after installation

- (Solution 1)** Make sure the 2 hoses (Steam Supply Line & Return Line) are not reversed. (This is the most common cause of initial water leaks).
- (Solution 2)** Make sure the **Exhaust Valve Knob**(Part# 28) is open. Turn it counterclockwise to release remaining condensation.
- (Solution 3)** If you still see water leaking out, check the Steam Trap in the return line. A malfunctioning Steam Trap is the major reason that causes water leaks on the steam iron.



IMPORTANT

Lightly tap on the Steam Trap to dislodge any dirt or debris that may cause the Steam Trap to stay shut.
Replace the steam trap if this tip doesn't help.

(Problem) After normal use of the iron, the iron starts leaking water

****The following procedure can help determine where the problem Lies.****

1. With the steam supply hose connected to the iron, open the Ball Valve in the Steam Supply Line.
2. Close **Exhaust Valve Knob**(Part#28) completely.
3. Check following cases while pressing down the **Push Lever**(Part#44).

a) If the iron gives off a dry steam without releasing water, then the problem lies in the return line.

- ⊙ There may be a malfunctioning Steam Trap and/or Check Valve.
- ⊙ Make sure that these are not clogged and leaking.

b) If the iron gives off a mix of steam and water, the problem lies in the steam supply line.

- ⊙ A long length of Steam Supply Line from the boiler up to the iron station causes water issue. Make sure to insulate the Steam Supply Line pipes throughout. Have technician to inspect and to check your Steam Supply Line.

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(Problem) The iron leaks steam from the base of the iron or Push Lever Bracket without Pressing Push Lever

- (Solution 1) There may be debris or dirt lodged in the **Steam Valve**. Remove the **Steam Valve** and clean any debris on the **Spindle Packing** (Part#30).
- (Solution 2) Inspect the **Spindle Packing** (Part#30). If it is worn out, replace the **Steam Valve Assembly** (Part#SVC -410).
- (Solution 3) When there is steam leak underneath the **Push Lever** (Part# 44), inspect the **O-Ring** (Part#36). If it is worn out, replace the **Steam Valve Assembly** (Part#SVC -410).

(Problem) The steam leaks out from the Exhaust Valve

- (Solution 1) The **Exhaust Valve Packing** (Part#26) inside the **Exhaust Valve** is set in an optimized condition before leaving the factory. The **Packing** (Part#26) wears down and gets loose after a certain period of normal use.
- (Solution 2) If you notice steam leaking from the **Exhaust Valve Lock Nut** (Part#27) or **Knob** (Part#28), tighten the **Exhaust Valve Lock Nut** (Part#27) clockwise with a wrench to reinforce the **Packing** until the leakage stops (Don't over tighten, or it will damage the **Packing**).
- (Solution 3) If steam continues leaking after adjusting the **Exhaust Valve Lock Nut**, replace the **Exhaust Valve Assembly** (Part# EVC-410). (Fig.6)

Fig. 6

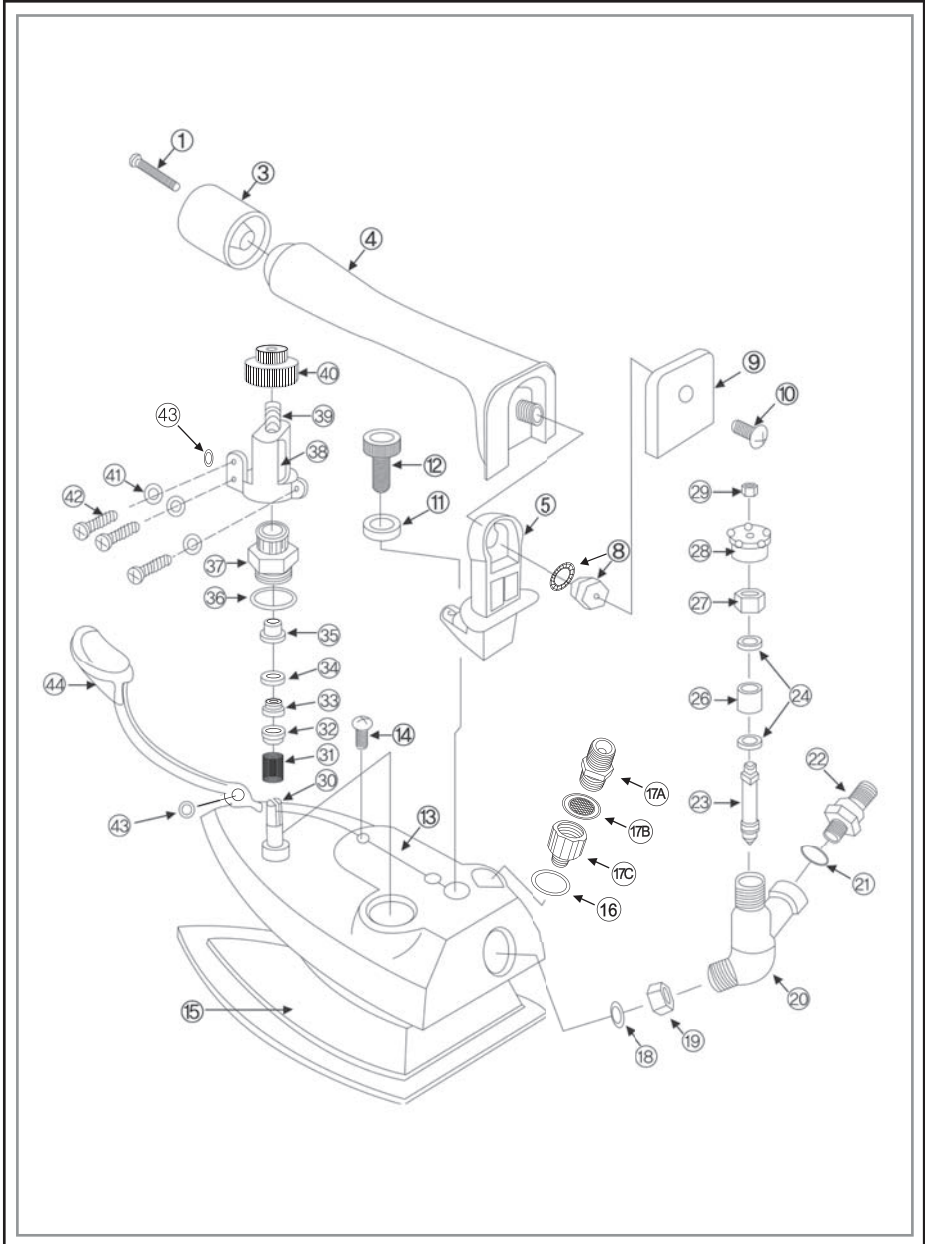


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Part Break Down

Höt-Stream® MSP-Series



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🔧 PARTS LIST 🔧

Part. No.	Description	Assembly #
1	Screw for Handle Tip	MS007 (Handle Assembly)
3	Handle Tip	
4	Handle	
8	Handle Nut and Washer	
9	Name Plate	
10	Name Plate Screw	
5	Handle Bracket	M7252
11	Spring Washer for Handle Bracket	
12	Bolt for Handle Bracket	
13	Plastic Iron Cover	
14	Screw for Plastic Iron Cover	HNC410-N (Hose Fitting Assembly)
15	Iron Body	
16	Gasket for Hose Fitting	
17A	Steam Supply Hose Fitting	
17B	Strainer	EVC410 (Exhaust Valve Assembly)
17C	Hose Fitting Adapter	
18	Gasket for Exhaust Valve	
19	Bottom Nut for Exhaust Valve	
20	Exhaust Valve Body	
21	Gasket for Hose Fitting	
22	Exhaust Hose Fitting (Return)	
23	Exhaust Valve Stem	
24	Metal Ring	
26	Packing for Exhaust Valve	
27	Exhaust Valve Lock Nut	
28	Exhaust Valve Knob	SVC410 (Steam Valve Assembly)
29	Nut	
30	Spindle	
31	Spring	
32	Metal Ring	
33	Cap Seal	
34	O-Ring for Spindle	
35	Bushing	
36	O-Ring for Steam Valve	
37	Steam Valve Body	M8600-1 (Push Lever Bracket Assembly)
38	Push Lever Bracket	
39	Adjusting Screw	
40	Cap Nut	
41	Washer for Lever Bracket	
42	Screw for Lever Bracket	
43	Fulcrum Bushing	
44	Push Lever	MS013

1 Year Limited Warranty

The Höt-Steam® All-Steam Iron is tested and inspected before leaving our factory. We warrant to the original user of this product that it will be free from defects in material and workmanship for 1 year from date of purchase. With respect to non-durable parts that normally require replacement within a year, including hoses, and valve discs that can wear down to normal wear and tear there is a limited warranty of 90 days. The warranty period on each replacement part furnished for the Höt-Steam® iron in fulfillment of the warranty shall be for the unexpired portion of the original part that was replaced.

In no way will the manufacturer of the Höt-Steam® iron be responsible for any incidental or consequential damage caused by the iron. Any liability is limited solely to the repair or replacement of the part or product, excluding any labor or any other cost to remove or install said part or product.

This warranty is contingent upon installation and use of equipment under normal operating conditions. This warranty is void on iron and parts that have been subject to misuse, accident, or negligent damage.

For warranty service, contact an Authorized Dealer from whom the Höt-Steam® iron was purchased.

HÖT-STEAM®
www.hot-steam.com