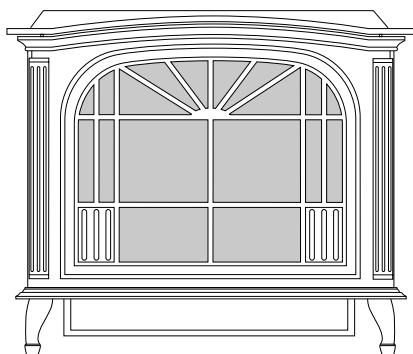




## (VENT-FREE) NATURAL GAS STOVE HEATER OWNER'S OPERATION AND INSTALLATION MANUAL



### Sun Valley Stove Model MSVFBN Series Variable Manual-Control or Model MSVFBNR Series Remote-Ready Gas Log Heater (Burner System For Cast Iron Stoves)



For technical support call DESA International's Technical Service Department at 1-800-DESALOG (1-800-337-2564).

Patent Pending

**WARNING:** If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS**
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

**WARNING:** The MSVFBN(R) series vent-free gas log heater is only approved for use in the Sun Valley MC(\*) series and MCH(P) series cast iron stove models.

(\* Indicates Color Suffix Designation)

**WARNING:** Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual for correct installation and operational procedures. For assistance or additional information consult a qualified installer, service agency, or the gas supplier.

**WARNING:** This is an unvented gas-fired heater. It uses air (oxygen) from the room in which it is installed. Provisions for adequate combustion and ventilation air must be provided. Refer to *Air for Combustion and Ventilation* section on page 4 of this manual.

This appliance may be installed in an aftermarket\*, permanently located, manufactured (mobile) home, where not prohibited by state or local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases.

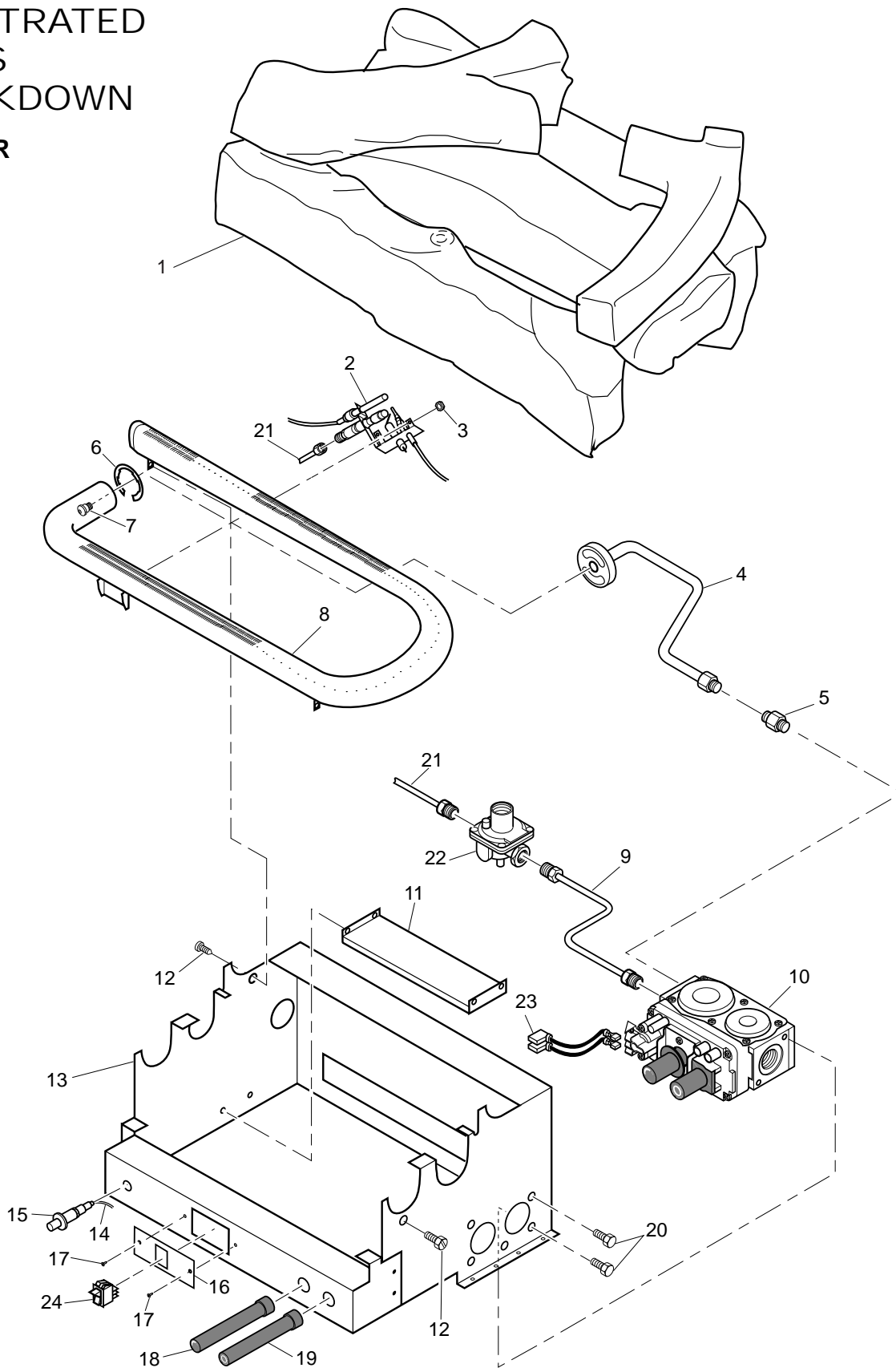
\* Aftermarket: Completion of sale, not for purpose of resale, from the manufacturer

Save this manual for future reference.

# SUN VALLEY STOVE COMPANY VENT-FREE NATURAL GAS STOVE HEATER

ILLUSTRATED  
PARTS  
BREAKDOWN

MSVFBNR



# OWNER'S MANUAL

## PARTS LIST

This list contains replaceable parts used in your heater. When ordering parts, follow the instructions listed under *Replacement Parts* on page 22 of this manual.

### MSVFBNR

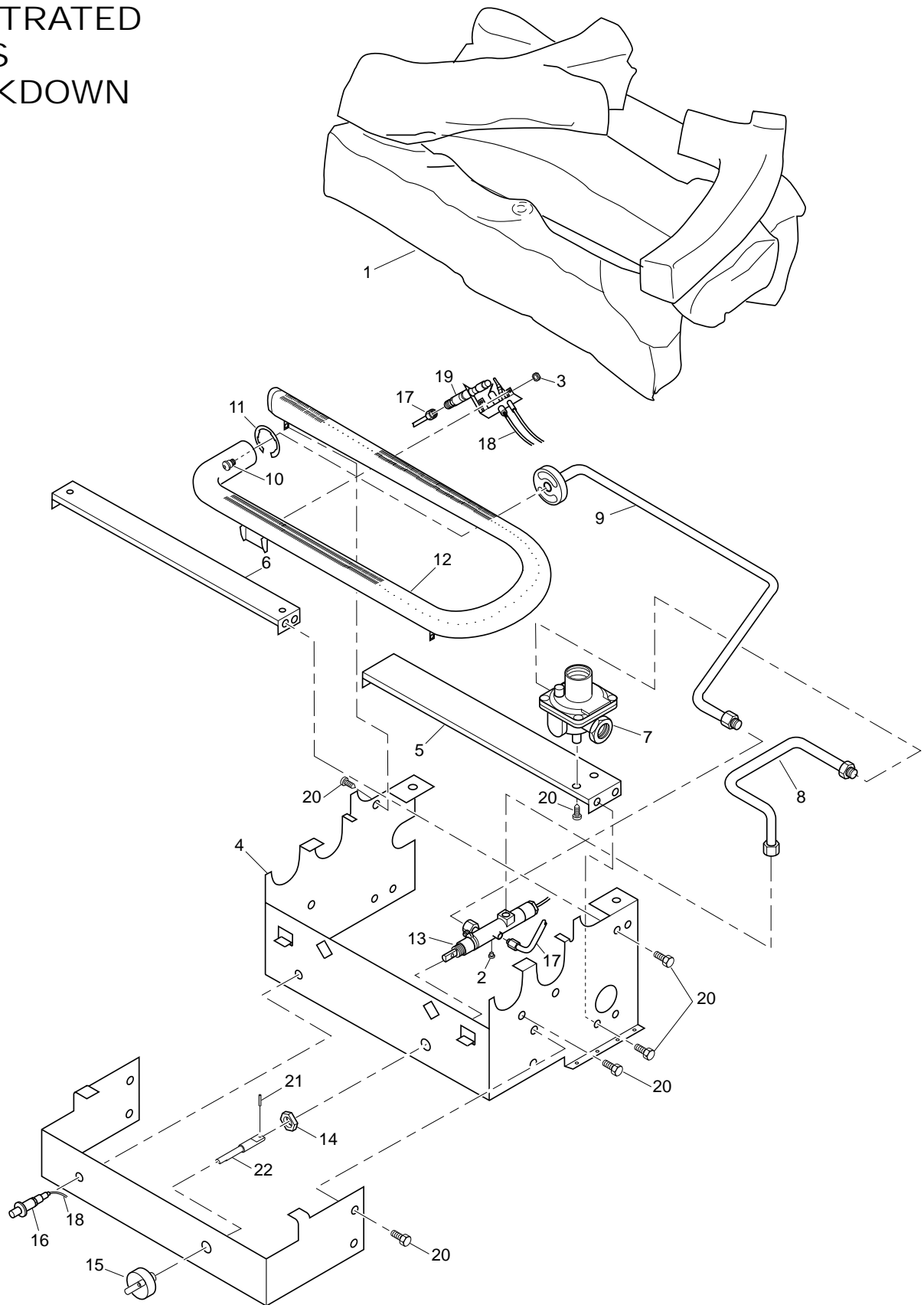
KEY NO.	PART NUMBER	DESCRIPTION	QTY.
1	104026-01	Stove Log	1
2	103779-01	ODS Pilot (NG)	1
3	098249-01	ODS Nut	2
4	104423-01	Burner Outlet Tube	1
5	098264-02	Male Connector	1
6	102843-01	Burner Clip	1
7	099056-26	Burner Orifice Injector	1
8	102980-01	Burner	1
9	099387-15	Pilot Tube (Valve to regulator)	1
10	103781-01	Gas Control Valve	1
11	103345-02	Lower Bracket	1
12	M11084-38	Screw, #8 x .38	7
13	104383-02CK	Painted Base Assy	1
14	098271-07	Ignitor Cable	1
15	102445-01	Piezo Ignitor	1
16	103587-02CK	Plate, Switch	1
17	098304-01	Screw	2
18	103784-04	Flame Adjustment Knob	1
19	103784-03	Off-Pilot-On Knob	1
20	M12461-26	Screw, Hex Slit Wsr 10-32 x .38	4
21	100609-01	Pilot Tube (Regulator to Pilot)	1
22	099918-02	Pilot Regulator	1
23	103284-02	Wiring Harness	1
24	099998-01	Switch	1
<b>PARTS AVAILABLE — NOT SHOWN</b>			
	100563-01	Warning Plate	1
	103877-01	Lighting Instructions Plate	1
	100565-01	Warning Plate Fastener	1
	101137-04	Hardware Kit	1

# SUN VALLEY STOVE COMPANY

## VENT-FREE NATURAL GAS STOVE HEATER

ILLUSTRATED  
PARTS  
BREAKDOWN

MSVFBN



# OWNER'S MANUAL

## PARTS LIST

This list contains replaceable parts used in your heater. When ordering parts, follow the instructions listed under *Replacement Parts* on page 22 of this manual.

### MSVFBN

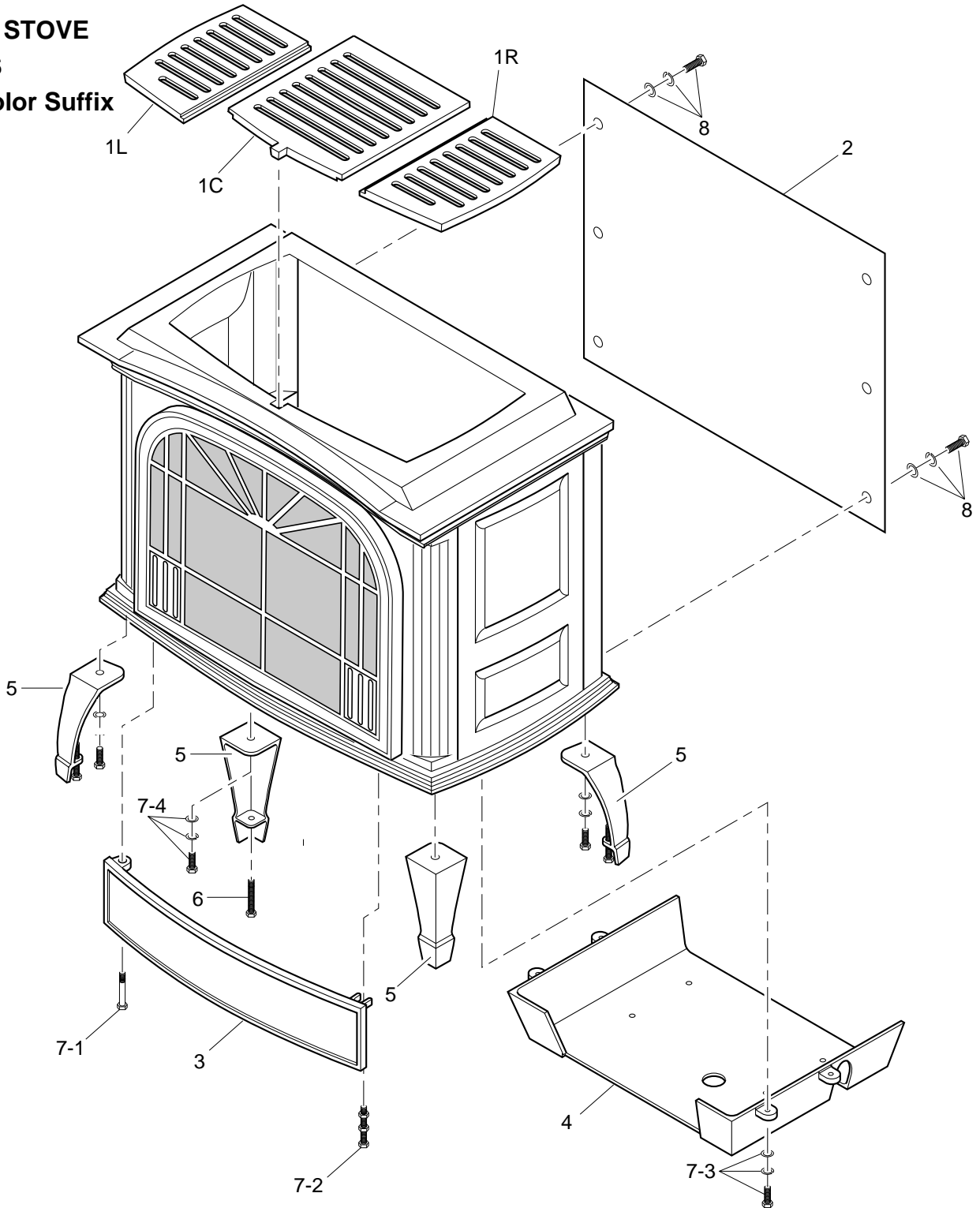
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	104026-01	Stove Log	1
2	098276-01	Hex Head Plug, 1/8" NPT	1
3	098249-01	Nut, M5	2
4	102776-05CK	Painted Base Assembly	1
5	102844-02	Lower Bracket	1
6	102966-02	Upper Bracket	1
7	098867-14	Gas Regulator	1
8	102798-01	Inlet Tube	1
9	102779-03	Outlet Burner Tube	1
10	099056-26	Burner Orifice Injector	1
11	102843-01	Burner Clip	1
12	102980-01	Burner	1
13	102568-07	Control Valve	1
14	098508-01	Valve Retainer Nut	1
15	099393-03	Control Knob	1
16	102445-01	Piezo Ignitor	1
17	099387-08	Pilot Tube	1
18	098271-07	Ignitor Cable	1
19	104285-01	ODS Pilot (NG)	1
20	M11084-38	Screw, Hex Head (#8-18 x .38)	15
21	098325-01	Roll Pin	1
22	098462-04	Control Rod Assembly	1
23	104055-01CK	Extension Base	1
<b>PARTS AVAILABLE — NOT SHOWN</b>			
	100563-01	Warning Plate	1
	101055-02	Lighting Instructions Plate	1
	100565-01	Warning Plate Fastener	1
	101449-06	Control Position Decal	1
	101137-04	Hardware Kit	1

# SUN VALLEY STOVE COMPANY VENT-FREE NATURAL GAS STOVE HEATER

## ILLUSTRATED PARTS BREAKDOWN

### SUN VALLEY STOVE MC(\*) SERIES

(\*Indicates Color Suffix  
Designation)



# OWNER'S MANUAL

## PARTS LIST SUN VALLEY STOVE MC(\*) SERIES

This list contains replaceable parts used in your stove. When ordering parts, follow the instructions listed under *Replacement Parts* on page 22 of this manual.

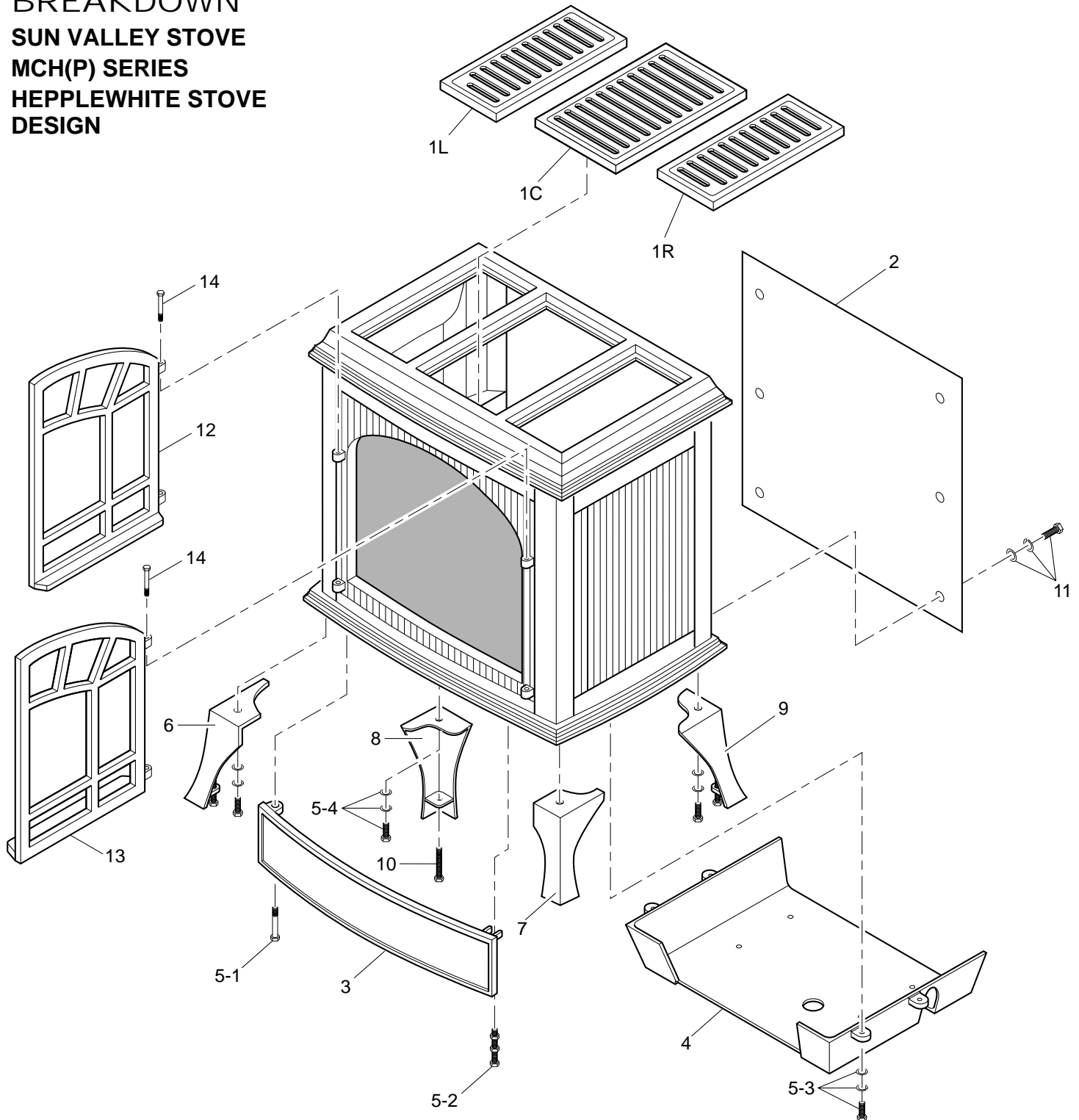
(\*Indicates Color Suffix Designation)

KEY NO.	PART NO.	DESCRIPTION	QTY.
1C	104171-02	Top Grate with Screen (Center) (Black Only)	1
1L	104171-03	Top Grate with Screen (Left) (Black Only)	1
1R	104171-04	Top Grate with Screen (Right) (Black Only)	1
2	104172-02	Stove Back Panel (Black Only)	1
3	104173-10	Bottom Door (Metallic Black)	1
	104173-11	Bottom Door (Porcelain Enamel Black)	1
	104173-12	Bottom Door (Porcelain Enamel Navy)	1
	104173-13	Bottom Door (Porcelain Enamel Almond)	1
	104173-14	Bottom Door (Porcelain Enamel Green)	1
	104173-15	Bottom Door (Porcelain Enamel Red)	1
	4	104174-04	Stove Dropped Bottom
5	104175-10	One Leg (Metallic Black) (4 Total Per Stove)	1
	104175-11	One Leg (Porcelain Enamel Black) (4 Total Per Stove)	1
	104175-12	One Leg (Porcelain Enamel Navy) (4 Total Per Stove)	1
	104175-13	One Leg (Porcelain Enamel Almond) (4 Total Per Stove)	1
	104175-14	One Leg (Porcelain Enamel Green) (4 Total Per Stove)	1
	104175-15	One Leg (Porcelain Enamel Red) (4 Total Per Stove)	1
6	104176-01	Leg Leveler bolt M8 x 1.25 - 55mm Long (4 Total Per Stove)	1
7	104177-02	Hardware Kit	1
7-1	*	Door Hinge Step Bolt With Shoulder (1 Per Unit)	1
7-2	*	Door Catch Bolt M8 x 1.25 - 55mm Long With Two M8 Hex Nuts (1 Per Unit)	1
7-3	*	Bottom Floor Bolts M6 x 1 - 25mm Long With Flat Washer And Lock Washer (4 Per Unit)	1
7-4	*	Leg Bolts M6 x 1.25 - 20mm Long With Flat Washer And Lock Washer (4 Per Unit)	1
8	104178-01	Back Panel Bolts M6 x 1 - 20mm Long With Flat Washer And Lock Washer (6 Installed Per Unit)	1
<b>PARTS AVAILABLE — NOT SHOWN</b>			
	104108-06	Touch-up Spray Paint 12 oz Can (Metallic Black)	1
	104807-04	Touch-up Paint Bottle with Brush (Porcelain Enamel Black)	1
	104807-05	Touch-up Paint Bottle with Brush (Porcelain Enamel Navy)	1
	104807-06	Touch-up Paint Bottle with Brush (Porcelain Enamel Almond)	1
	104807-07	Touch-up Paint Bottle with Brush (Porcelain Enamel Green)	1
	104807-08	Touch-up Paint Bottle with Brush (Porcelain Enamel Red)	1
	106057-01	Back Panel Extension, Left (Included)	1
	106057-02	Back Panel Extension, Right (Included)	1
	104178-01	Back Panel Bolts M6 x 1 - 20mm Long With Flat Washer And Lock Washer (6 Included Per Unit)	1

\* Included In Hardware Kit

# SUN VALLEY STOVE COMPANY VENT-FREE NATURAL GAS STOVE HEATER

ILLUSTRATED  
PARTS  
BREAKDOWN  
SUN VALLEY STOVE  
MCH(P) SERIES  
HEPPLEWHITE STOVE  
DESIGN



# OWNER'S MANUAL

## PARTS LIST SUN VALLEY STOVE MCH(P) SERIES HEPPLEWHITE STOVE DESIGN

This list contains replaceable parts used in your stove. When ordering parts, follow the instructions listed under *Replacement Parts* on page 22 of this manual.

KEY NO.	PART NO.	DESCRIPTION	QTY.	KEY NO.	PART NO.	DESCRIPTION	QTY.
1C	104171-13	Top Grate with Screen (Center) (Black Only)	1	9	104175-37	Right Rear Leg (Metallic Black)	1
1L	104171-14	Top Grate with Screen (Left) (Black Only)	1		104175-38	Right Rear Leg (Porcelain Enamel Black)	1
1R	104171-15	Top Grate with Screen (Right) (Black Only)	1		104175-39	Right Rear Leg (Porcelain Enamel Navy)	1
2	104172-03	Stove Back Panel (Black Only)	1		104175-40	Right Rear Leg (Porcelain Enamel Almond)	1
3	104173-16	Bottom Door (Metallic Black)	1		104175-41	Right Rear Leg (Porcelain Enamel Green)	1
	104173-17	Bottom Door (Porcelain Enamel Black)	1	10	104175-42	Right Rear Leg (Porcelain Enamel Red)	1
	104173-18	Bottom Door (Porcelain Enamel Navy)	1		104175-43	Right Rear Leg (Porcelain Enamel Metallic Green)	1
	104173-19	Bottom Door (Porcelain Enamel Almond)	1	11	104176-01	Leg Leveler bolt M8 x 1.25 - 55mm Long (4 Total Per Stove)	1
	104173-20	Bottom Door (Porcelain Enamel Green)	1	12	104178-01	Back Panel Bolts M6 x 1 - 20mm Long With Flat Washer And Lock Washer (6 Installed Per Unit)	1
	104173-21	Bottom Door (Porcelain Enamel Red)	1		107528-01	Left Door (Metallic Black)	1
	104173-22	Bottom Door (Porcelain Enamel Metallic Green)	1		107528-03	Left Door (Porcelain Enamel Metallic Green)	1
4	104174-05	Stove Dropped Bottom	1		107528-05	Left Door (Porcelain Enamel Almond)	1
5	104177-02	Hardware Kit	1		107528-07	Left Door (Porcelain Enamel Black)	1
5-1	*	Door Hinge Step Bolt With Shoulder (1 Per Unit)	1	13	107528-09	Left Door (Porcelain Enamel Green)	1
5-2	*	Door Catch Bolt M8 x 1.25 - 55mm Long With Two M8 Hex Nuts (1 Per Unit)	1		107528-11	Left Door (Porcelain Enamel Navy)	1
5-3	*	Bottom Floor Bolts M6 x 1 - 25mm Long With Flat Washer And Lock Washer (4 Per Unit)	1		107528-13	Left Door (Porcelain Enamel Red)	1
5-4	*	Leg Bolts M6 x 1.25 - 20mm Long With Flat Washer And Lock Washer (4 Per Unit)	1		107528-02	Right Door (Metallic Black)	1
6	104175-16	Left Front Leg (Metallic Black)	1		107528-04	Right Door (Porcelain Enamel Metallic Green)	1
	104175-17	Left Front Leg (Porcelain Enamel Black)	1		107528-06	Right Door (Porcelain Enamel Almond)	1
	104175-18	Left Front Leg (Porcelain Enamel Navy)	1		107528-08	Right Door (Porcelain Enamel Black)	1
	104175-19	Left Front Leg (Porcelain Enamel Almond)	1		107528-10	Right Door (Porcelain Enamel Green)	1
	104175-20	Left Front Leg (Porcelain Enamel Green)	1		107528-12	Right Door (Porcelain Enamel Navy)	1
	104175-21	Left Front Leg (Porcelain Enamel Red)	1		107528-14	Right Door (Porcelain Enamel Red)	1
	104175-22	Left Front Leg (Porcelain Enamel Metallic Green)	1	14	107527-01	Stainless Upper Door Hinge Bolt with Shoulder (4 Total Per Stove)	1
7	104175-23	Right Front Leg (Metallic Black)	1	<b>PARTS AVAILABLE — NOT SHOWN</b>			
	104175-24	Right Front Leg (Porcelain Enamel Black)	1		104108-06	Touch-up Spray Paint 12 oz. Can (Metallic Black)	1
	104175-25	Right Front Leg (Porcelain Enamel Navy)	1		104807-04	Touch-up Paint Bottle with Brush (Porcelain Enamel Black)	1
	104175-26	Right Front Leg (Porcelain Enamel Almond)	1		104807-05	Touch-up Paint Bottle with Brush (Porcelain Enamel Navy)	1
	104175-27	Right Front Leg (Porcelain Enamel Green)	1		104807-06	Touch-up Paint Bottle with Brush (Porcelain Enamel Almond)	1
	104175-28	Right Front Leg (Porcelain Enamel Red)	1		104807-07	Touch-up Paint Bottle with Brush (Porcelain Enamel Green)	1
	104175-29	Right Front Leg (Porcelain Enamel Metallic Green)	1		104807-08	Touch-up Paint Bottle with Brush (Porcelain Enamel Red)	1
8	104175-30	Left Rear Leg (Metallic Black)	1		106057-01	Back Panel Extension, Left (Included)	1
	104175-31	Left Rear Leg (Porcelain Enamel Black)	1		106057-02	Back Panel Extension, Right (Included)	1
	104175-32	Left Rear Leg (Porcelain Enamel Navy)	1		104178-01	Back Panel Bolts M6 x 1 - 20mm Long With Flat Washer And Lock Washer (6 Included Per Unit)	1
	104175-33	Left Rear Leg (Porcelain Enamel Almond)	1				
	104175-34	Left Rear Leg (Porcelain Enamel Green)	1				
	104175-35	Left Rear Leg (Porcelain Enamel Red)	1				
	104175-36	Left Rear Leg (Porcelain Enamel Metallic Green)	1				

\* Included In Hardware Kit