

Item # 1302115 (KIT PRIMARY LOOP-51/71-100 PSI MAX)

THIS PROCEDURE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

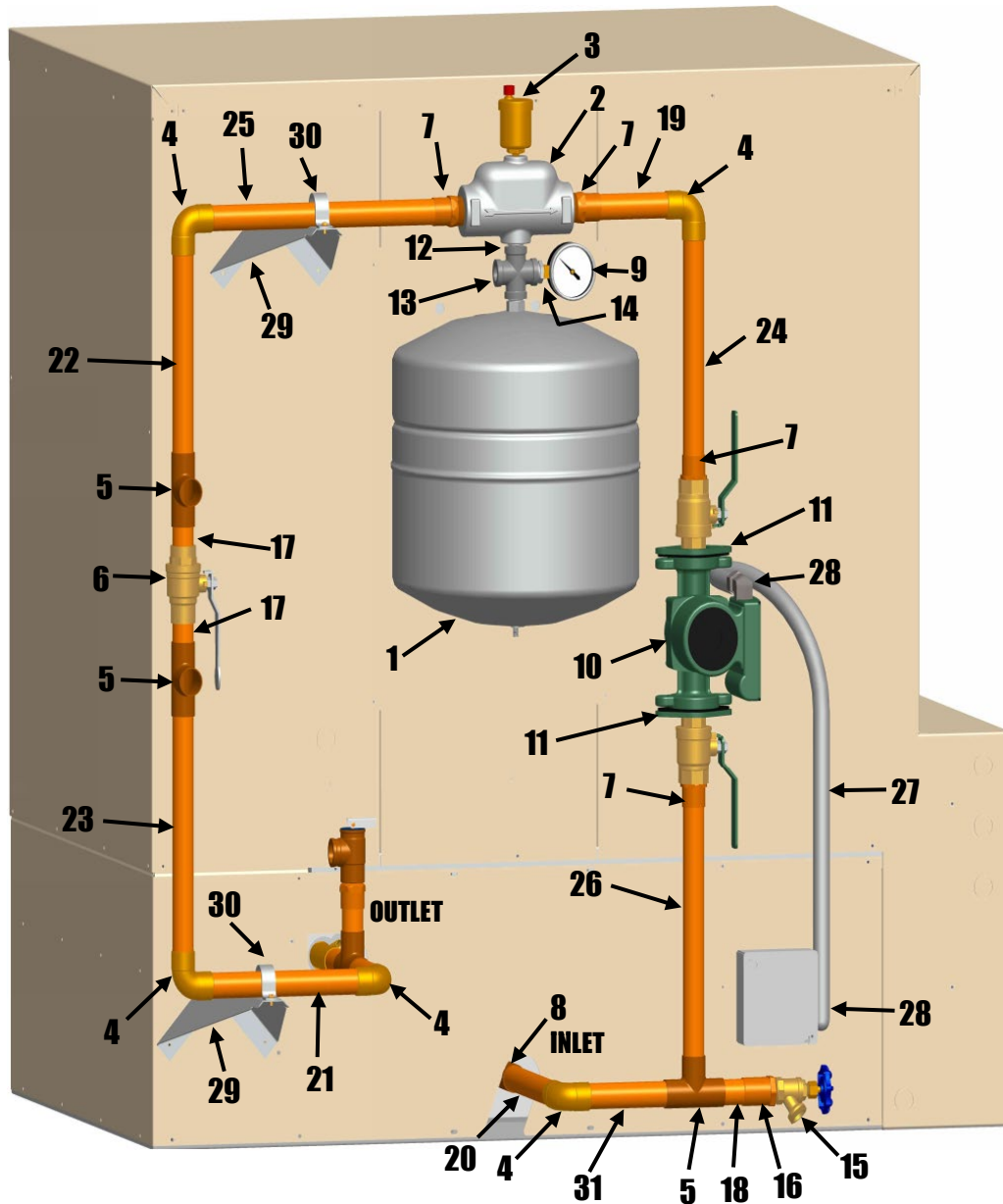
INSTALLATION

1. Disconnect power to all branch circuits of the Comfort Plus Hydronic system.
 2. Unpackage the primary loop kit.
 3. Assemble the primary loop as per the enclosed diagram (Page 2) and the instructions below:
 - ♦ Solder all piping and fittings per the diagram that follows using appropriate soldering methods and materials.
 - ♦ Install the circulator (10) using the seals shipped with the circulator.
 - ♦ Install the expansion tank (1), the auto vent (3), and the pressure gauge (9) using Teflon tape or pipe sealant on the threads to ensure a tight seal.
 4. Connect the secondary side of the heating system to the outlet and return copper tee is on the primary loop system.
 5. Continue with the installation of the heating system following all local, state, and national codes and regulations.
- NOTE: Reference the Pressure Relief Valve Installation and the Plumbing sections located in the Owner's and Installer's Manual for more information on wiring and plumbing of the system.**
6. Using the brackets provided, support the primary loop plumbing to avoid pressure on the inlet and outlet pipes of the exchanger.



WARNING

HAZARDOUS VOLTAGE:
Risk of electric shock. Can cause injury or death.
Equipment may be connected to more than one branch circuit.
Disconnect all power to the system before installing the primary loop kit.



#	PART NAME	QTY
1	Expansion Tank (Order Item #1100111)	1
2	1" Air Purger (Order Item #1100112)	1
3	Auto Vent 1/8" (Order Item #1100113)	1
4	90° 1" Elbow (Order Item #1100114)	5
5	1" Copper Tee (Order Item #1100115)	3
6	1" Ball Valve (only closed for filling and servicing) (Order Item #1100116)	1
7	Adapter Copper to Male 1" (Order Item #1100128)	4
8	Coupling 1" Copper, Optional (Order Item #1100117)	1
9	Pressure Gauge 30# 1/4" (Order Item #1100118)	1
10	Circulator, TACO 007-F5 (Order Item #1100002)	1
11	Isolation Pump Flange 1" Kit (only closed for filling and servicing) (Order Item #1100003)	1
12	Close Nipple 1/2" (Order Item #1100122)	1
13	1/2" Cross (Order Item #1100123)	1
14	1/2" x 1/4" Adapter (Order Item #1100124)	1
15	Boiler Drain (Order Item #1100125)	1
16	3/4" Female Pipe to 1" Sweat Adapter (Order Item #1100126)	1
17	2 5/8" Pipe	2
18	2 7/8" Pipe	1
19	5 1/2" Pipe	1
20	10 1/4" Pipe (can cut to 9 1/8" if needed)	1
21	9 3/4" Pipe	1
22	10 3/8" Pipe	1
23	12" Pipe	1
24	14 1/4" Pipe	1
25	14" Pipe	1
26	12 9/16" Pipe	1
27	1/2" Conduit, 3' Long (Order Item #5940322)	1
28	1" 90° Angle Connector (Order Item #1015006)	2
29	Bracket Support Primary Loop (Order Item #5940885)	2
30	Strap 1.000 Conduit (Order Item #1015074)	2
31	6" Pipe	1

CAUTION

Risk of personal injury. Only close isolation flanges for filling or servicing system. Failure to open these flanges during operation can result in venting of hot water from Pressure Relief Valve, which could cause personal injury.