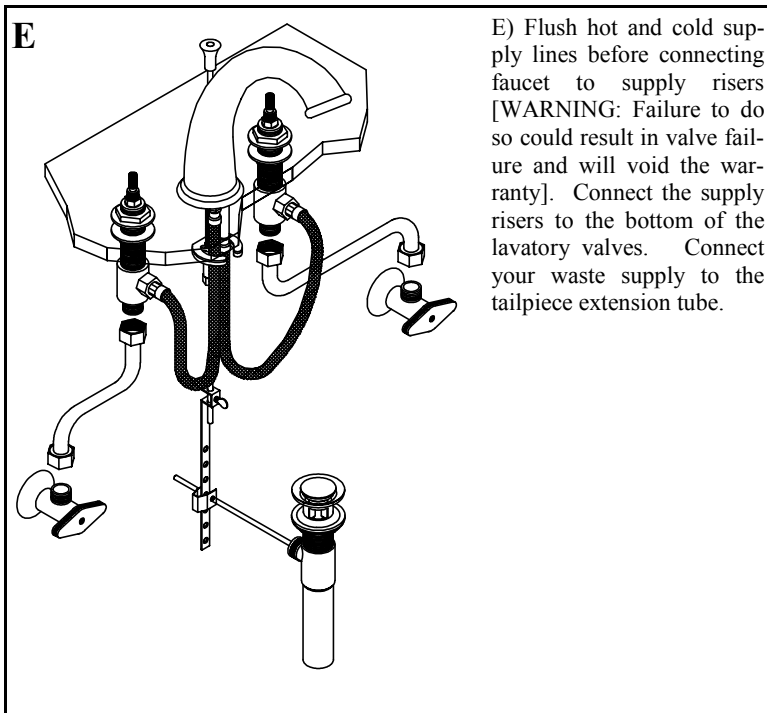
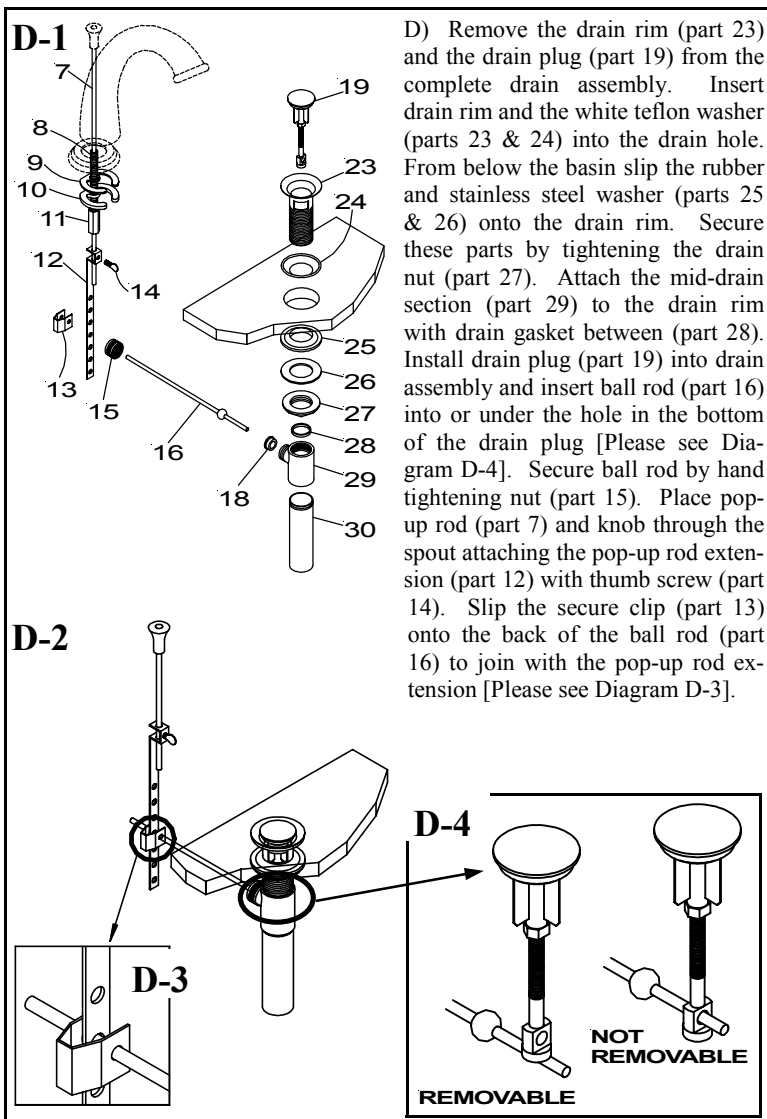
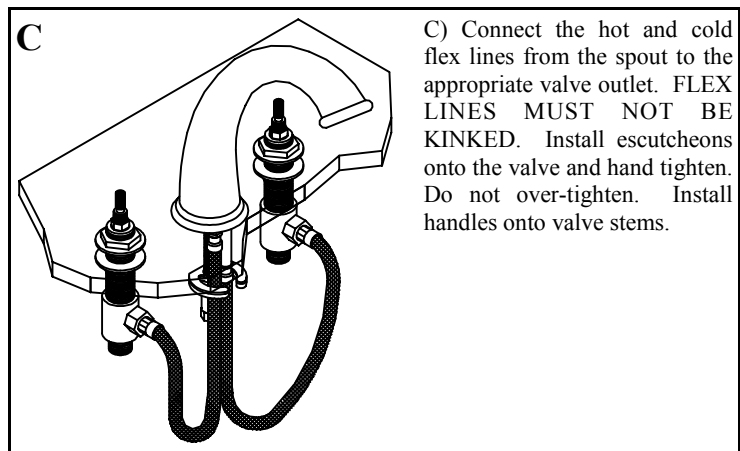
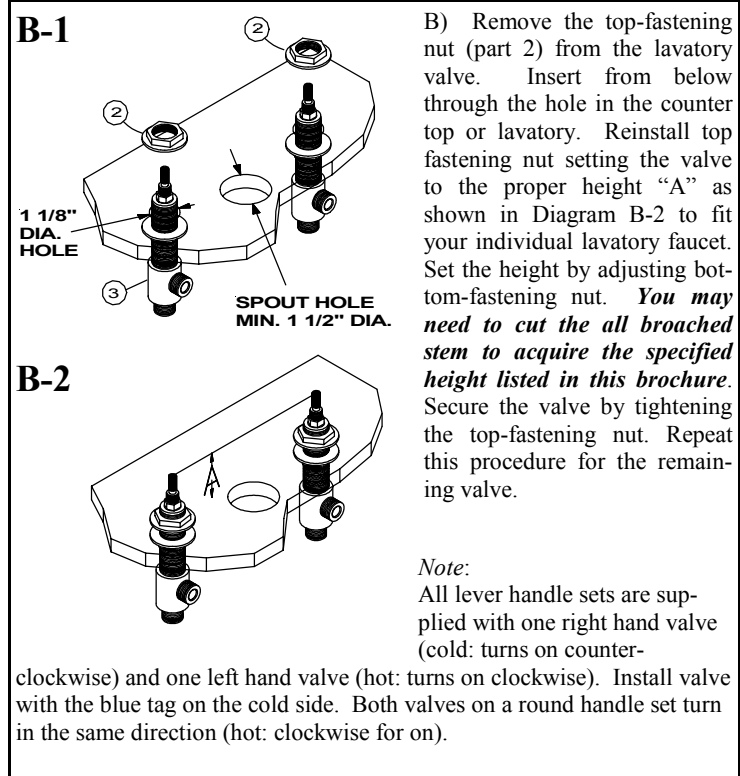
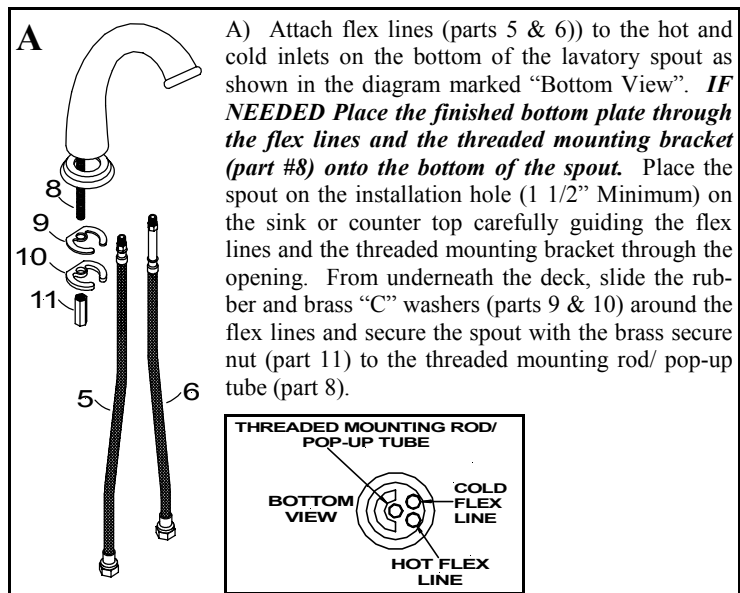
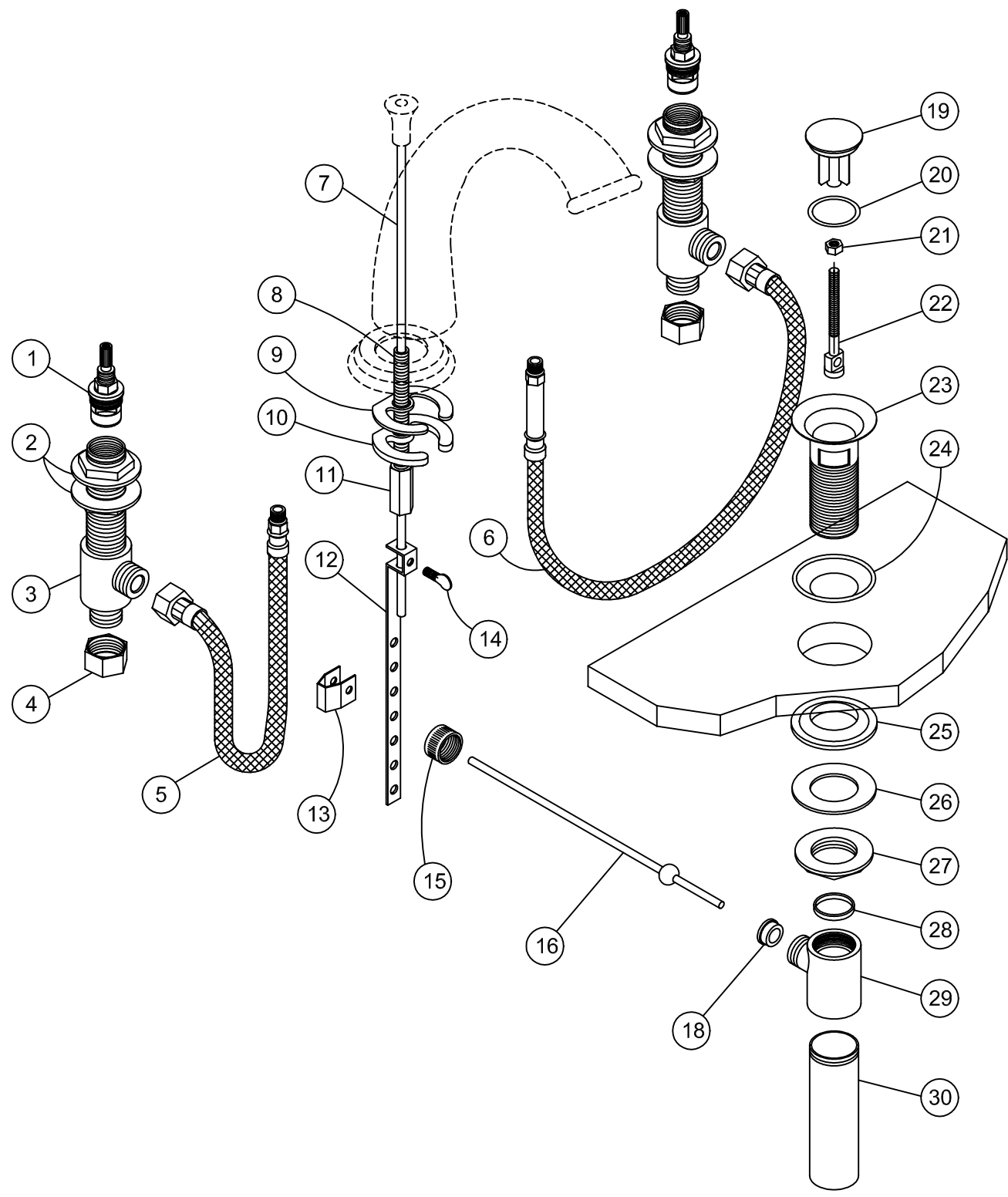


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**INSTALLATION INSTRUCTIONS FOR
LAVATORY FAUCETS WITH TEELESS ASSEMBLY**



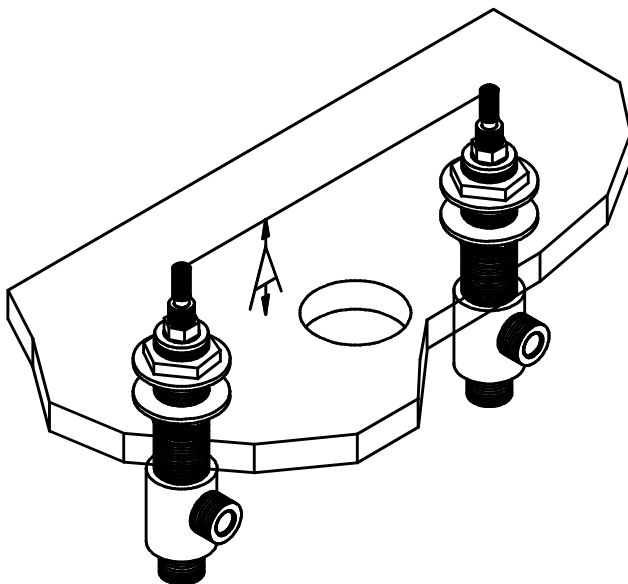
TEE-LESS LAVATORY PARTS BREAKOUT



TEE-LESS LAVATORY PARTS BREAKOUT

Index #	Part #	Description
1	LC499-H	1/2" Lavatory Cartridge, Hot (Turns on Clockwise)
1	LC499-H	1/2" Lavatory Cartridge, Cold (Note: Round handle sets use 2 hot cartridges) (Turns on Counter-Clockwise)
2	6045	1/2" Lavatory Valve Fastening Nut
3	VA-1000	1/2" Lavatory Valve Body Only
4	4015	Union Nut for Lavatory Valve (not needed in all installations)
1 - 4	LV499-H	Complete 1/2" Lavatory Valve, Hot (Turns on Clockwise)
1 - 4	LV499-C	Complete 1/2" Lavatory Valve, Cold (Note: Round handle sets use 2 hot valves)(Turns on Counter-Clockwise)
5	GENHOSL22	22", Lavatory Supply Hose, 1/8-27 x 1/2 FIP
6	GENHOSL24	24", Lavatory Supply Hose, 1/8-27 x 1/2 FIP
7	13 ROD	13" Finished Pop-up Rod
8	MSCSMK01	Threaded Mounting Rod/ Pop-up Guide for Teeless Spout Mounting Kit
9	MSCSMK02	Rubber "C" Washer for Teeless Spout Mounting Kit
10	MSC-SMK-03	"C" Bracket for Teeless Spout Mounting Kit
11	MSC-SMK-04	Secure Nut for Teeless Spout Mounting Kit
12	ID-4090	Pop-up Extension Arm
13	ID-408C	Secure Clip for Extension Arm
14	ID-409S	Thumb Screw for Extension Arm
15	ID-4062	Secure Nut for Ball Rod
16	ID-4080	Ball Rod for Drain
18	ID-4070	Plastic Friction Washer for Ball Rod
19	ID-4010-P	Drain Plug Labeled: Phylrich International
	ID-4010-D	Drain Plug Labeled: Doralfe
20	GEN-ORX	O-ring for Drain Plug
21	N/A	Secure Nut for Drain Plug
22	ID-4010	Adjustable Plastic Drain Plug Stem
23	ID-4130	Drain Rim
24	ID-4100	Teflon Washer Drain Rim
25	ID-4110	Bottom Rubber Washer for Drain Rim
26	ID-4120	Washer for Drain Rim
27	ID-4040	Secure Nut for Drain Rim
28	ID-4050	Gasket for Drain Tail Assembly
29	ID-4060	Mid-Drain Assembly
30	N/A	Drain Tailpiece
12 - 30	ID-4000-P	Complete Drain Assembly with Phylrich International Labeled Drain Plug
12 - 30	ID-4000-D	Complete Drain Assembly with Doralfe Labeled Drain Plug

ROUGH IN SPECIFICATIONS FOR LAVATORY SETS



ALL PHYLRICH VALVE INSTALLATIONS MUST FOLLOW THE ABOVE
DIAGRAM AND MEASUREMENTS FOR "**A**" LISTED BELOW.
CONSULT THE TRIM NUMBER FOR THE CORRECT MEASUREMENT.

PRODUCT ROUGH IN

K101	2-1/2"
K109	2-1/2"
K110	2-1/2"
K120	2-1/2"
K120A	2-1/2"
K121	2-1/2"
K121A	2-1/2"
K123	2-5/8"
K124A	2-5/16"
K124B	2-5/16"
K124C	2-5/16"
K124D	2-5/16"
K124F	2-5/16"
K125	2-5/16"
K126	2-5/16"
K135	2-1/4"
K137	2-1/2"
K137SF	2-1/2"
K141	2-5/16"
K144	2-7/16"
K153	2-5/16"
K154	2-5/16"
K155	2-5/16"
K156	2-5/16"
K157	2-5/16"
K158A	2-1/4"
K158B	2-1/4"
K158C	2-1/4"
K158D	2-1/4"
K158F	2-1/4"

PRODUCT ROUGH IN

K160	2-1/4"
K161	2-1/4"
K162	2-1/4"
K163	2-1/4"
K170	2-1/2"
K171	2-1/2"
K180	2-7/8"
K181	2-7/8"
K183	2-7/8"
K184	2-1/2"
K190	2-1/2"
K190A	2-1/2"
K191	2-1/2"
K191A	2-1/2"
K211	2-13/16"
K230	2-5/8"
K231	2-5/8"
K234	2-5/8"
K240	3-1/8"
K241	3-1/8"
K242	3-1/8"
K243	3-1/8"
K244	3-1/8"
K251	2-11/16"
K261	2-11/16"
K270	3-1/8"
K271	3-1/8"
K272	3-1/8"
K273	3-1/8"

PRODUCT ROUGH IN

K274	3-1/8"
K280	2-7/8"
K291	2-13/16"
K291A	2-13/16"
K310	2-5/8"
K311	2-5/8"
K314	2-5/8"
K330	3-1/8"
K331	3-1/8"
K332	3-1/8"
K333	3-1/8"
K334	3-1/8"
K337	2-1/2"
K337SF	2-1/2"
K338A	2-5/8"
K338B	2-5/8"
K338C	2-5/8"
K338D	2-5/8"
K338F	2-5/8"
K341	2-13/16"
K360	2-5/16"
K361	2-5/16"
K370	3-1/8"
K371	3-1/8"
K372	3-1/8"
K373	3-1/8"
K374	3-1/8"
K392	2-1/2"
K393	2-1/2"

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DORALFE PRODUCTS

D100	2-1/4"
D102	2-1/4"
D103	2-1/4"
D111	2-1/4"
D200	2-1/4"
D202	2-1/4"
D203	2-1/4"
D211	2-1/4"