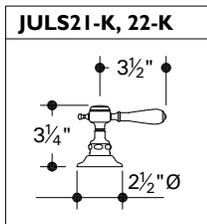
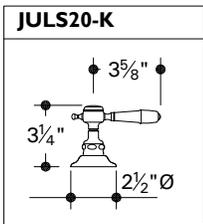
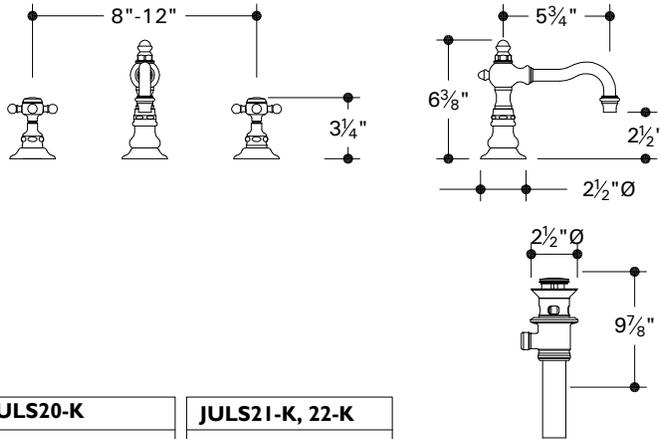


- JULS18** (cross handles)
- JULS20-K** (metal lever handles)
- JULS21-K** (white porcelain lever handles)
- JULS22-K** (black porcelain lever handles-MTO)



**IMPORTANT**

- To ensure this product is installed properly, you must read and follow these guidelines.
- The owner/user of the faucet must keep this information for future reference.
- Be sure your installation conforms to local codes.
- Refer to the specification and assembly drawings attached. Faucet is sold partially assembled but shown fully disassembled for illustrative and service purposes only.
- Inspect this product to assure you have all parts required for proper installation.
- Use only a strap wrench or protected/smooth-jaw wrench on any finished surface.
- If possible, install the faucet assembly on the sink or mounting surface before setting.
- Do NOT use putty during this installation.

**SIDE VALVE INSTALLATION**

1. Disassemble the index assembly (1-1c) as 1 unit from the handle by lifting the ring (1) off of the handle.
2. Insert a small bladed screw driver into the handle and loosen the screw (2) then pull the handle off the cartridge (5).
3. Unthread the cover (4) from the cartridge (5) then base escutcheon (6) from the side valve (7). Remove 1 sealing gasket (6b) as an upper seal. Do NOT remove the other sealing gasket or hardware (7b,7a).
4. Insert the side valve into the hole in the mounting surface so at least 1" of threads are exposed.
5. Install the upper sealing gasket onto the side valve then thread the base escutcheon onto the side valve until it contacts the mounting surface.
6. Thread the cover(4) onto the cartridge hand tight at which point it will stop.
7. Unthread the base escutcheon until it contacts the cover which will assure proper side valve height.
8. Tighten the nut (7a) up against the underside of the mounting surface to secure the side valve.
9. Reinstall the handle and index assembly.
10. Repeat these steps to install the second side valve.

**SPOUT AND DRAIN INSTALLATION**

11. Loosen the lower tee nut (9a) and upper tee nut then remove the tee assembly from the spout.
12. Remove the spout mounting hardware (10a,10b).
13. Insert the vertical lift rod (13-13b) into the spout then insert the spout assembly (10-13b) through the spout hole of the mounting surface.
14. Secure the spout using the mounting hardware (10a,10b) then reattach the tee assembly making sure the washer (9b) is in place.

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**JULIA LAVATORY FAUCET WITH CROSS HANDLES (JULS18) & LEVER HANDLES (JULS20-K, JULS21-K, JULS22-K)** All dimensions are based on original specification and are subject to change and variation. Please consult your Design Associate for current specifications.

W A T E R W O R K S

15. Tighten the lower tee nut (9a) to create a water tight seal around the guide tube (11e).  
**IMPORTANT:** if the tee nut is not tight, water will leak out of the top of the guide tube or the tee assembly.
16. Connect each of the supply hoses to the adjacent side valve (7) making sure they are not pinched/kinked.
17. Remove the upper collar (14c) from the pop-up drain assembly and discard the upper gasket (14b).
18. Set the upper collar in the lavatory drain opening using a clear adhesive silicone.
19. Re-attach the lower drain assembly (14) using the gasket (14a) provided then tighten until fully secured. A clear adhesive silicone may be used to ensure a water-tight seal between the gasket and lavatory.
20. Remove the knurled nut (14f) from the lower drain assembly then insert the horizontal pivot rod (14h) and reattach the knurled nut.
21. Connect the vertical lift rod to the horizontal pivot rod using the linkage (14g) provided. Note that these rods may be field cut. An optional lift rod extension (13c) is supplied.
22. Attach the tail piece (15,15b) using the gasket (15a) provided. Hand tight is adequate.
23. Connect the side valves (7) to the water supply valves (not supplied).

### INSPECT THE INSTALLATION

24. Unscrew and remove the aerator assembly (12c-12f) which includes a 2.2 GPM flow restrictor (12d)
25. Carefully open the hot and cold valves to flush out any debris in the supply lines.
26. Inspect all connections for leaks.

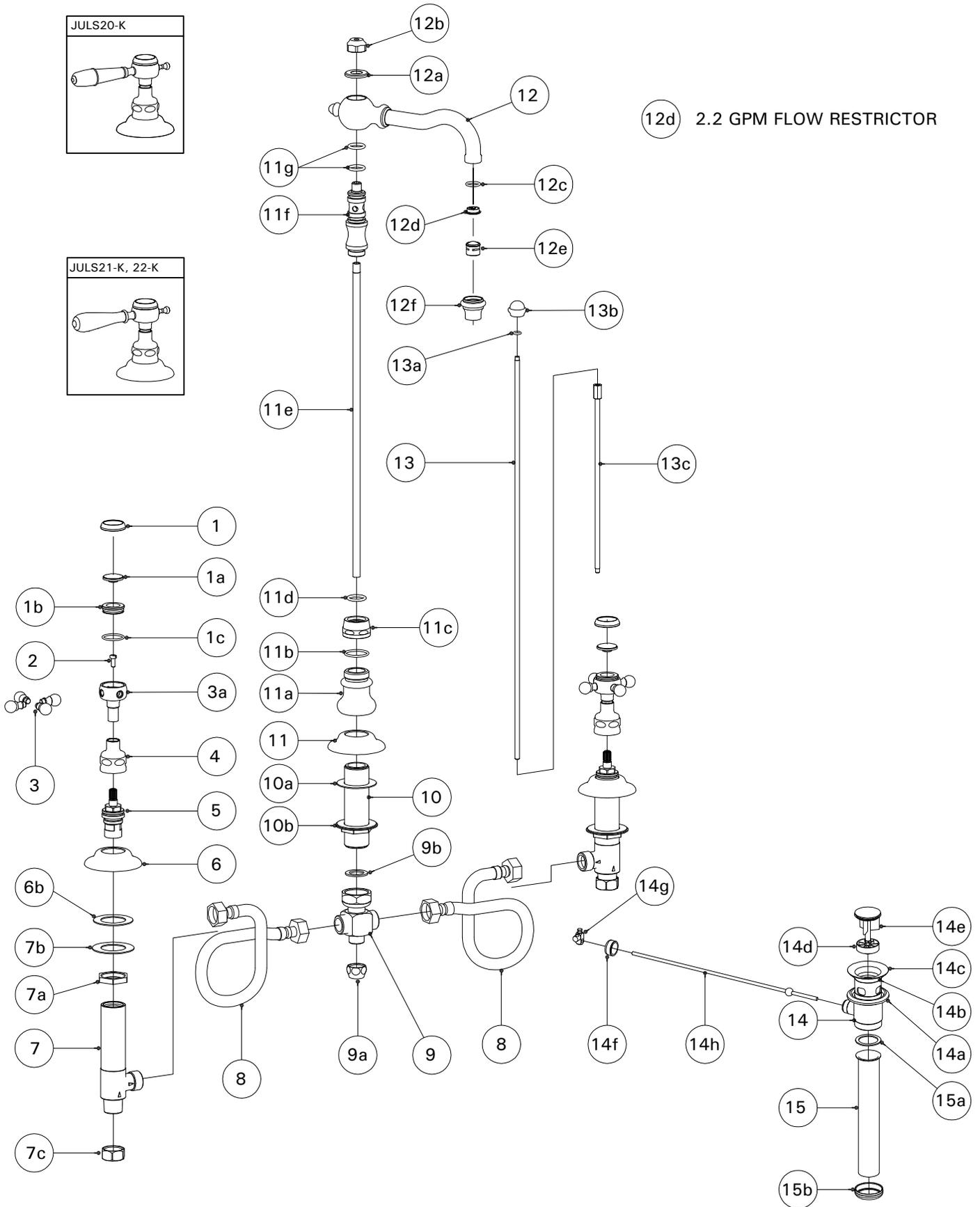
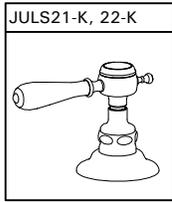
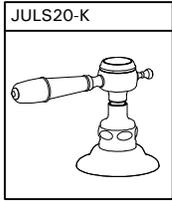
27. Close the drain then fill the sink with water to make sure the drain stopper (14e) operates and seals properly. To adjust the height of the drain stopper turn the adjustment screw at the base of the stopper then tighten the locking nut to secure. The linkage (14g) position will effect drain stopper function, adjust as needed.

28. Close the valves and reinstall the aerator assembly.

If further assistance is required, please contact Product Support at 1-800-927-2120 (8am-7pm EST)

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W A T E R W O R K S

PARTS TABLE		
ITEM NO.	DESCRIPTION	QTY.
1	INDICE TRIM RING	2
1a	INDICE	2
1b	INDICE RETAINER	2
1c	O-RING	2
2	SCREW, HANDLE	2
3	HANDLE SPOKE	8
3a	HANDLE HUB	2
4	COVER	2
5	CARTRIDGE/STEM	2
6	ESCUTCHEON, FLAT	2
6b	ESCUTCHEON GASKET	2
7	SIDE VALVE	2
7a	SIDE VALVE NUT	2
7b	SIDE VALVE WASHER	2
7c	INLET NUT	2
8	SUPPLY HOSE	2
9	TEE	1
9a	LOWER TEE NUT	1
9b	TEE WASHER	1
10	SPOUT SHANK	1
10a	SPOUT WASHER	1
10b	SPOUT MOUNTING NUT	1
11	SPOUT ESCUTCHEON	1
11a	SPOUT BASE	1
11b	O-RING	1
11c	LOWER SPOUT NUT	1
11d	O-RING	1
11e	GUIDE TUBE	1
11f	SPOUT POST	1
11g	O-RING	2
12	SPOUT	1
12a	WASHER, FINISHED	1
12b	UPPER SPOUT NUT	1
12c	O-RING	1
12d	FLOW RESTRICTOR, 2.2 GPM	1
12e	AERATOR	1
12f	AERATOR HOUSING	1
13	LIFT ROD	1
13a	O-RING	1
13b	LIFT NOB	1
13c	LIFT ROD EXTENSION	1
14	LOWER DRAIN ASSEMBLY	1
14a	LOWER GASKET	1
14b	UPPER GASKET	1
14c	UPPER COLLAR	1
14d	STRAINER	1
14e	STOPPER	1
14f	KNURLED NUT	1
14g	LIFT ROD CONNECTOR/ LINKAGE	1
15	TAILPIECE	1
15a	TAILPIECE GASKET	1
15b	TAILPIECE NUT	1

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W A T E R W O R K S