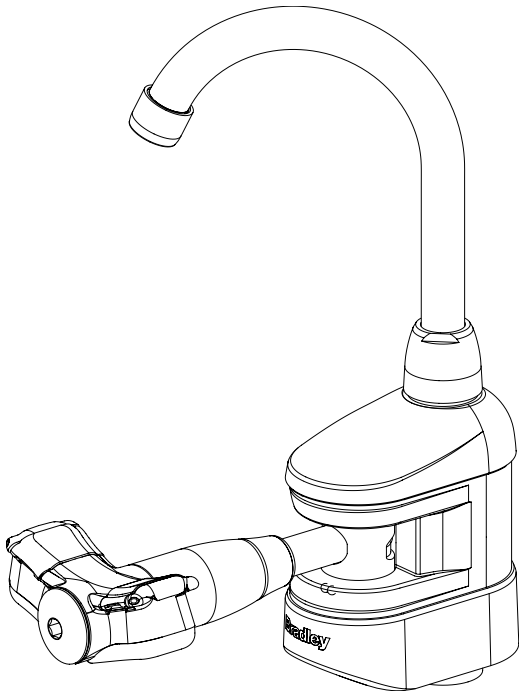
Installation

S19-500, S19-505, S10-510 & S19-515 Series

Halo™ Swing-Activated Faucet Eyewash



S19-500 Shown

Read the instructions in this manual before beginning installation. Save these instructions and refer to them for inspection, maintenance and troubleshooting information.

For questions regarding the operation, installation or maintenance of this product, visit bradleycorp.com or call 800.BRADLEY (800.272.3539).

Product warranties and parts information may also be found under “Resources” on our website at bradleycorp.com.

215-1910 Rev. E: ECO 24-05-031
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+1 262 251 6000
bradleycorp.com

A WATTS Brand

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Safety Information

To ensure proper operation:

Installation

The eyewash portion of this fixture has been designed and 3rd party tested to meet ANSI/ISEA Z358.1. The system must be tested periodically to be sure it is functioning properly to meet the standard. Please refer to the ANSI/ISEA Z358.1 standard on testing requirements.

The installation, maintenance and location of all safety fixtures must comply with the requirements of ANSI/ISEA Z358.1. Workers who may come in contact with potentially hazardous materials should be trained regarding the location and proper operation of emergency equipment per ANSI/ISEA Z358.1.

ANSI/ISEA Z358.1 requires this unit to be used with a clean, potable, uninterrupted supply of tepid water. Bradley plumbed emergency fixtures require a minimum of 30 psi flowing pressure in order to function as designed and meet the ANSI/ISEA Z358.1 standard.

Before installation make sure that this equipment will meet the requirements of the potential hazardous contaminants in your location.

Installation of this system must be completed by a qualified plumber in compliance with all national and local codes. Compliance and conformity to drain requirements and other local codes and ordinances is the responsibility of the installer.

Weekly Inspections

To ensure that the emergency eyewash fixture is ready to be used when needed, regular checks and maintenance must be conducted. Weekly inspections must be conducted on all safety equipment to make sure a suitable flushing fluid supply is present and to make sure the equipment is in good operating condition.

Water Temperature

ANSI/ISEA Z358.1 requires the eyewash to be supplied with tepid water. Suitable range is 60°F to 100°F (16°C to 38°C). Personal injury is possible outside this temperature range.

The faucet valves supplied with this fixture only controls the volume of the water supply of the faucet spout. Upon installation, the faucet's hot water supply temperature must be checked and adjusted at its source to ensure delivery of a safe water temperature. Water in excess of 110°F (43°C) may cause scalding.

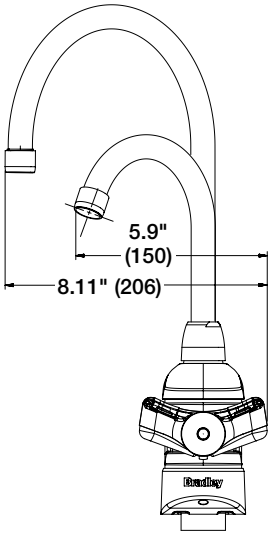
Supplies Required

- Piping to all water supply inlets on unit
- Sign-mounting hardware
- 30 psi (2.0 bar) min/90 psi (6.1 bar) max flow pressure
- 125 psi (8.6 bar) max static pressure

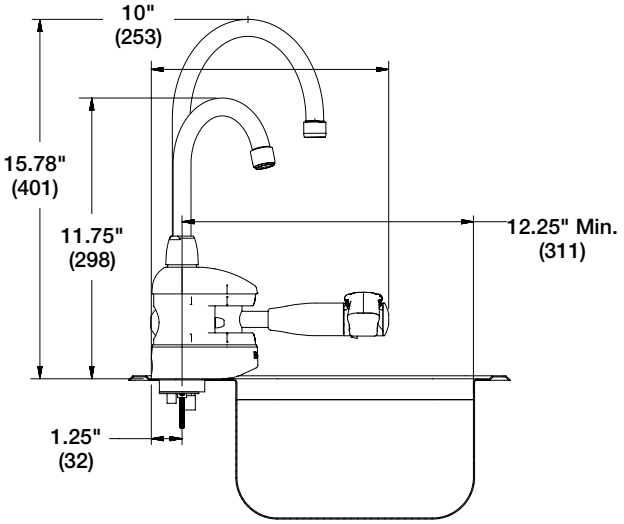
Dimensions – S19-500, S19-505, S19-510, & S19-515

S19-500 and S19-510 Short Spout. S19-505 and S19-515 Tall Spout.

Front View



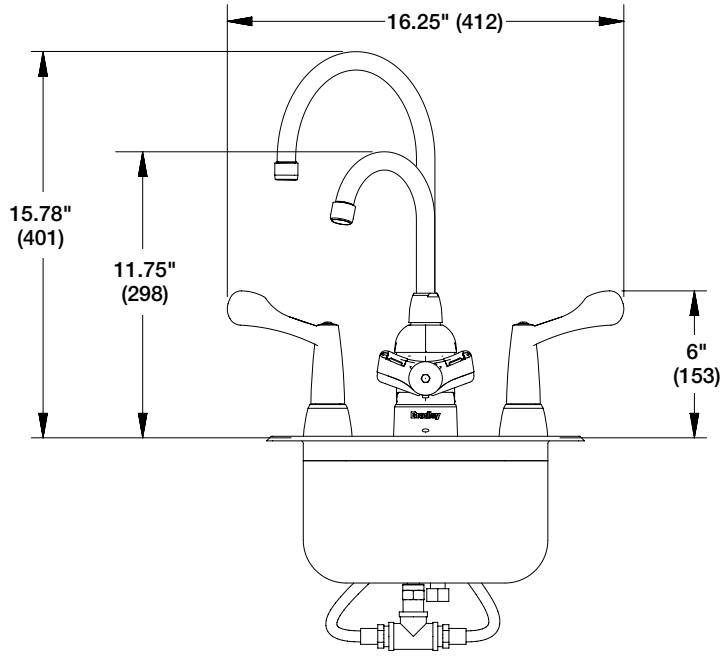
Side View



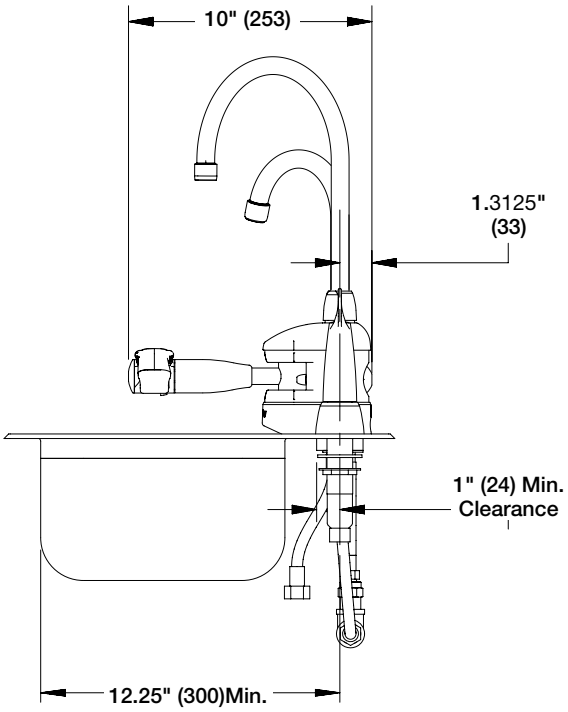
Dimensions – S19-500W, S19-505W, S19-510W, & S19-515W

S19-500W and S19-510W Short Spout. S19-505W and S19-515W Tall Spout.

Front View



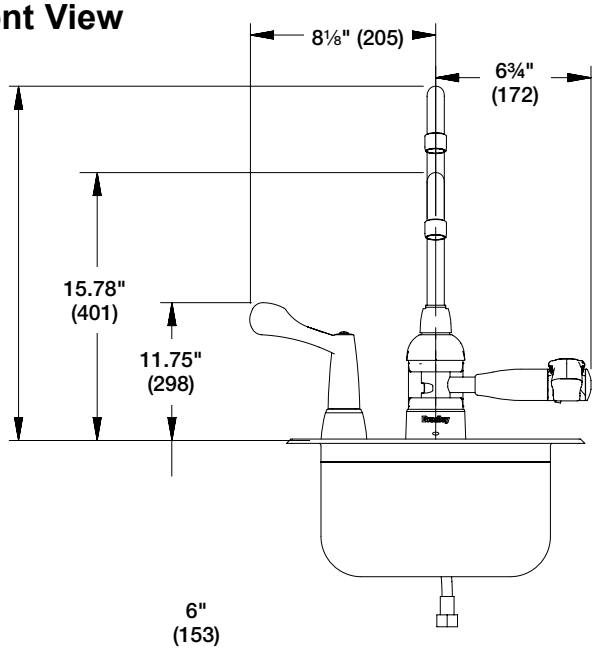
Side View



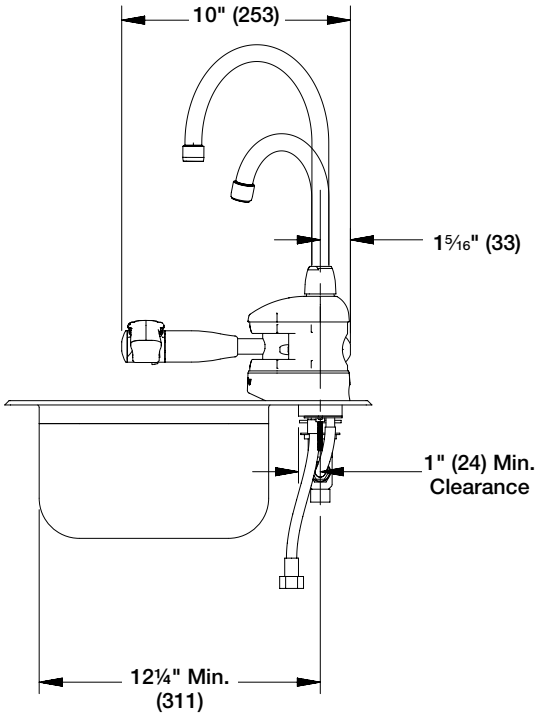
Dimensions – S19-500T, S19-505T, S19-510T, & S19-515T

S19-500T and S19-510T Short Spout. S19-505T and S19-515T Tall Spout.

Front View



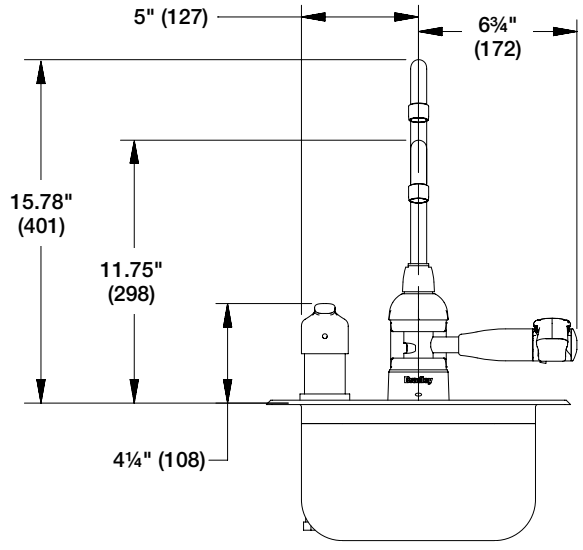
Side View



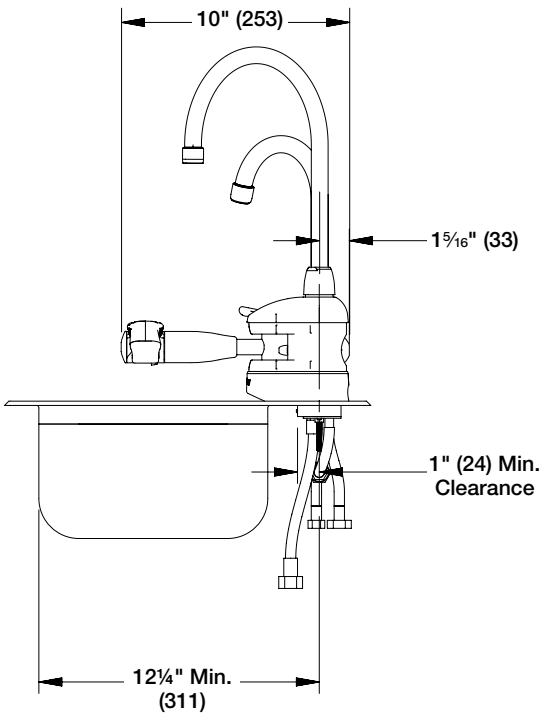
Dimensions – S19-500M, S19-505M, S19-510M, & S19-515M

S19-500M and S19-510M Short Spout. S19-505M and S19-515M Tall Spout.

Front View



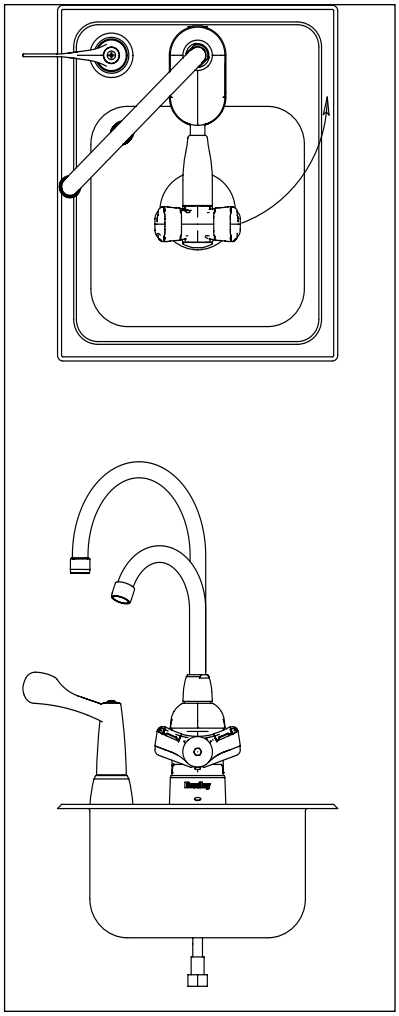
Side View



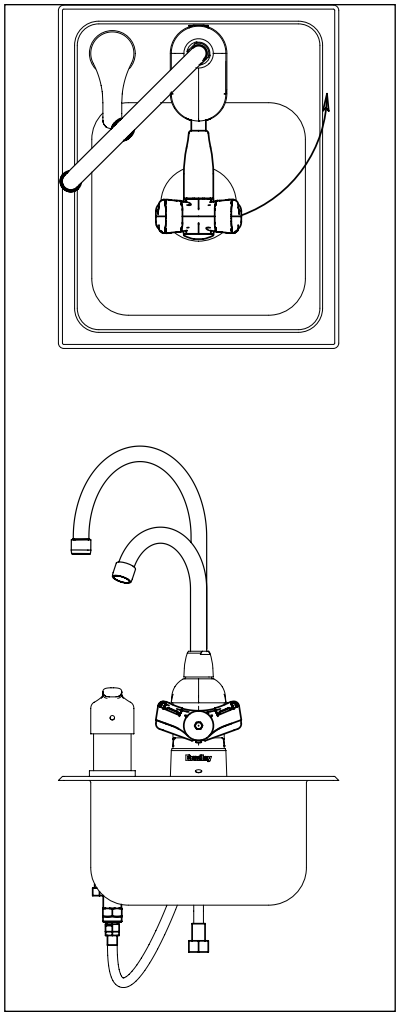
Installation

☑ *Halo eye/face wash unit is shown on a sink (not included).*

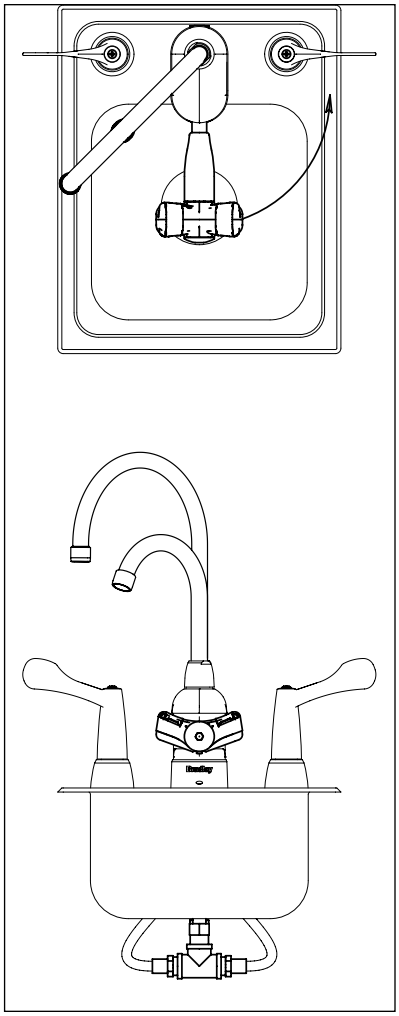
☑ *The top of the eyewash heads should be positioned a minimum of 33" (838 mm) and a maximum of 45" (1143 mm) from the floor and 6" (152 mm) from the nearest obstruction.*



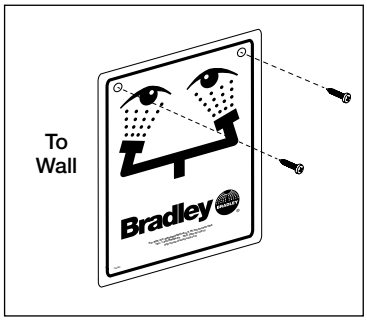
S19-500T (Short Spout)
S19-510T (Tall Spout)



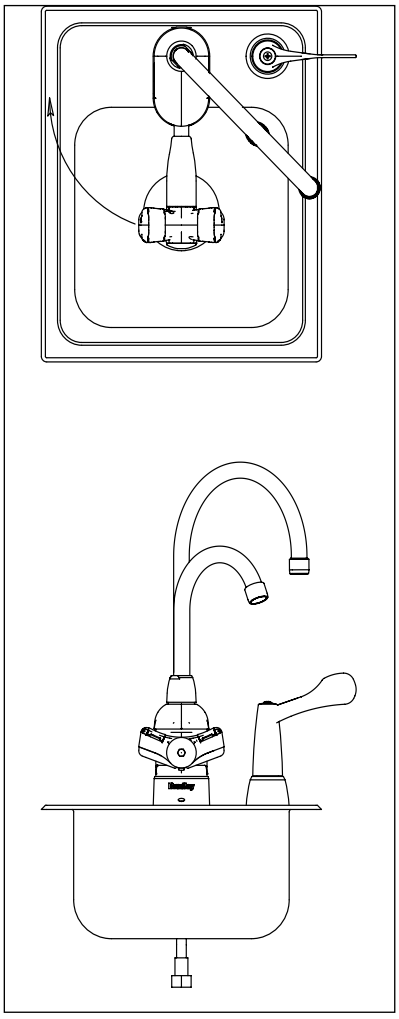
S19-500M (Short Spout)
S19-510M (Tall Spout)



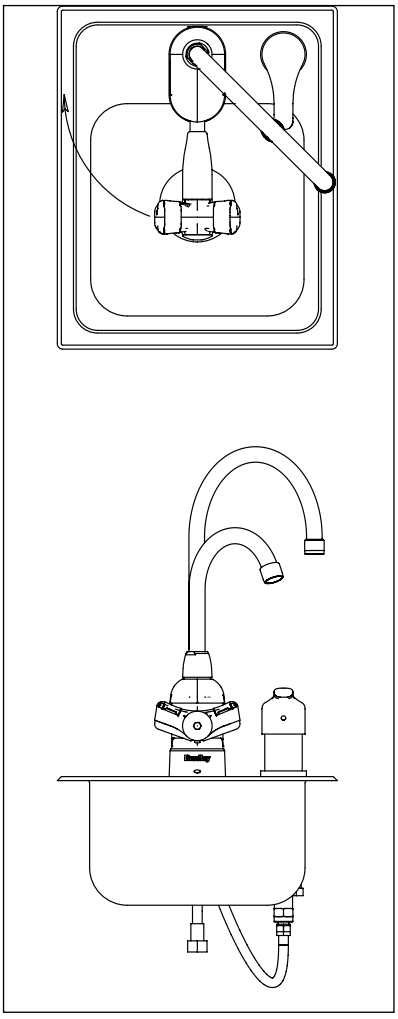
S19-500W (Short Spout)
S19-510W (Tall Spout)



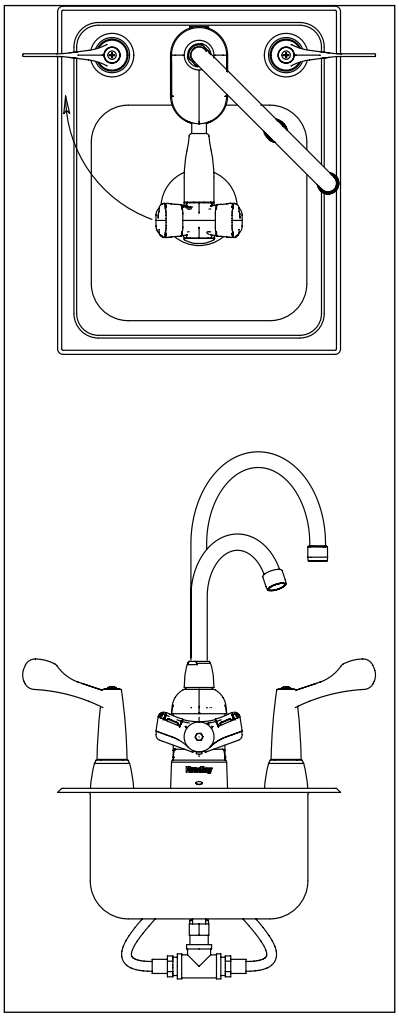
Installation – *cont.*



S19-505T (Short Spout)
S19-515T (Tall Spout)



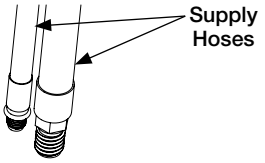
S19-505M (Short Spout)
S19-515M (Tall Spout)

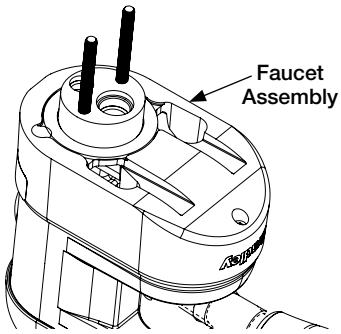


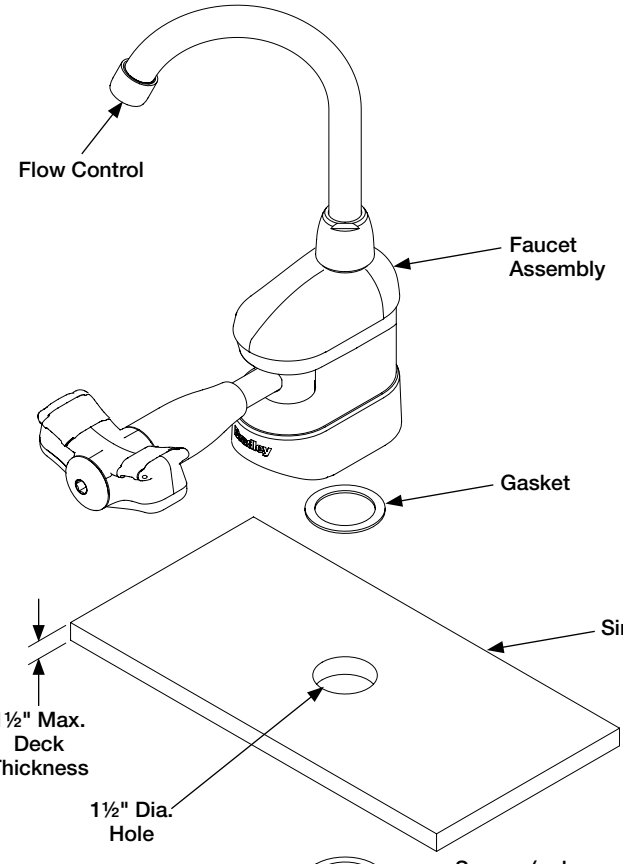
S19-505W (Short Spout)
S19-515W (Tall Spout)

1 Install Faucet Assembly

A Install the supply hose to the bottom of the faucet assembly.







B Install the gasket to the bottom of the faucet assembly.

C Install bolt studs into the base of the unit, and then set the faucet assembly onto the sink.

D For thin sink decks, connect the mounting plate to the spacer with the provided screws, and then secure studs with the provided nuts. For thinner decks, discard the spacer. Snug tight to the sink.

E Install the desired flow control.

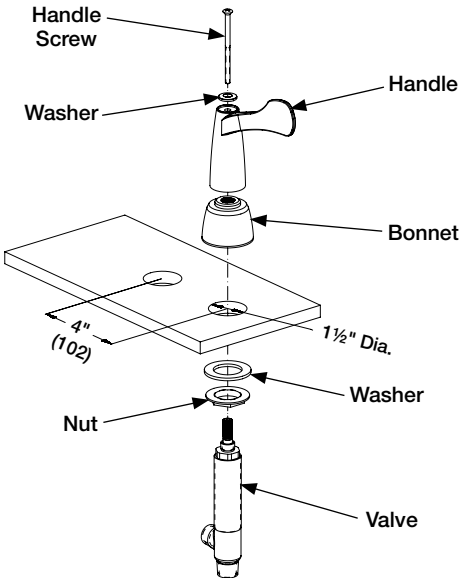
2a Install Faucet Hoses (S19-500T, S19-505T, S19-510T & S19-515T)

A Thread the nut and washer onto the valve.

B Insert the valve into the sink deck from the bottom.

C Thread the bonnet onto the valve assembly from the top, and tighten the nut from the bottom.

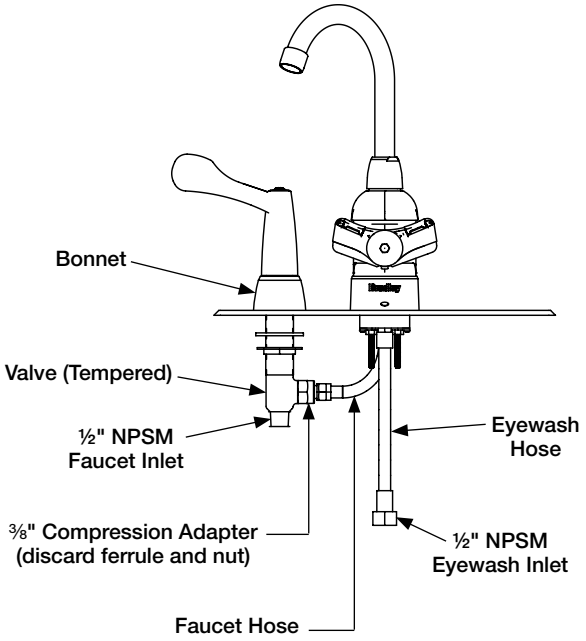
D Slide the handle onto the valve assembly. Place the washer onto the handle and install the handle screw.



E Plumb the faucet hose to the side port on the valve using the provided fitting.

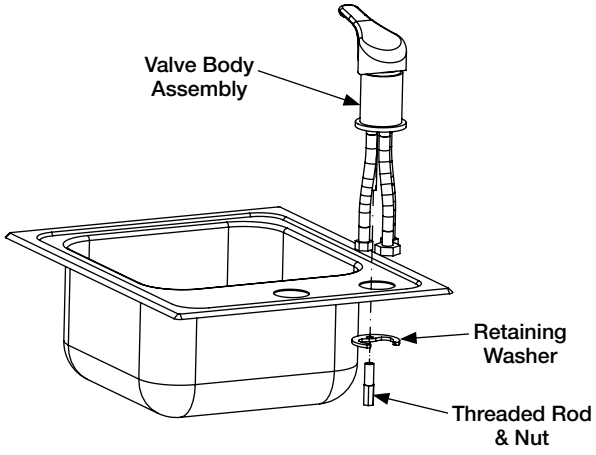
F Plumb the eyewash hose to the eyewash supply.

G Plumb the faucet supply to the bottom of the valve assembly (hose supplied by installer).



2b Install Faucet Hoses (S19-500M, S19-505M, S19-510M & S19-515M)

A Set the valve body assembly in place.

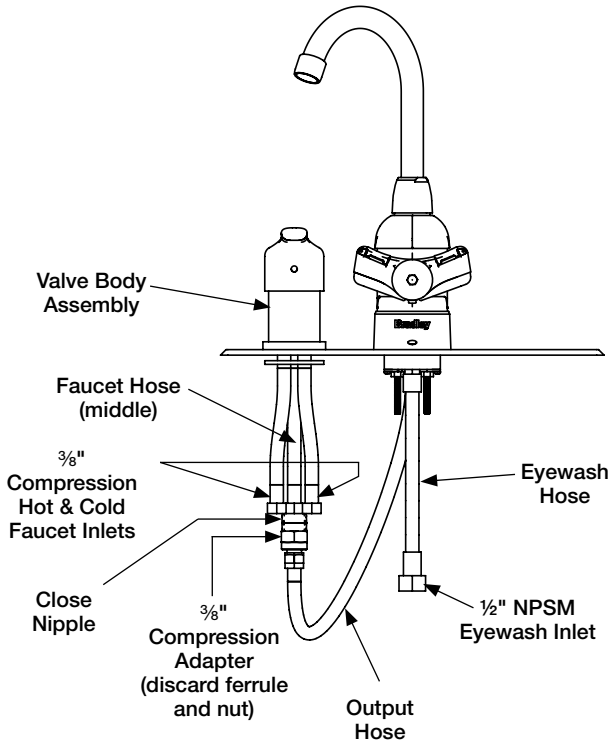


B Slide the retaining washer in place.

C Thread the nut onto the thread rod and tighten the nut to hold the valve assembly in place.

D Plumb the output hose from the valve assembly to the faucet hose, using the provided nipple and fitting.

E Plumb the eyewash hose to the eyewash supply, and then plumb the faucet supply to the valve assembly.



2C Install Faucet Hoses (S19-500W, S19-505W, S19-510W & S19-515W)

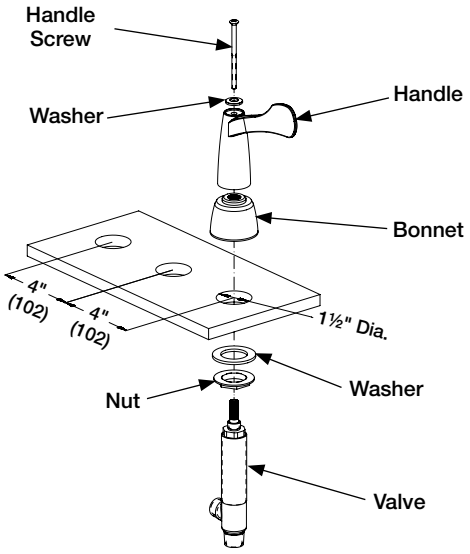
A Thread the nut and washer onto the valve.

B Insert the valve into the sink deck from the bottom.

C Thread the bonnet onto the valve assembly from the top, and tighten the nut from the bottom.

D Slide the handle onto the valve assembly. Place the washer onto the handle and install the handle screw.

☑ *Repeat Steps A–D for both handle assemblies.*

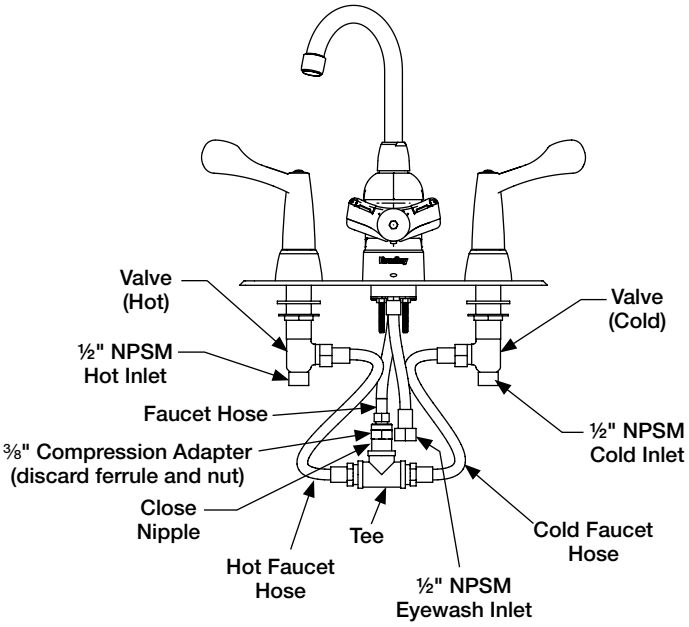


E Plumb the eyewash hose to the eyewash supply.

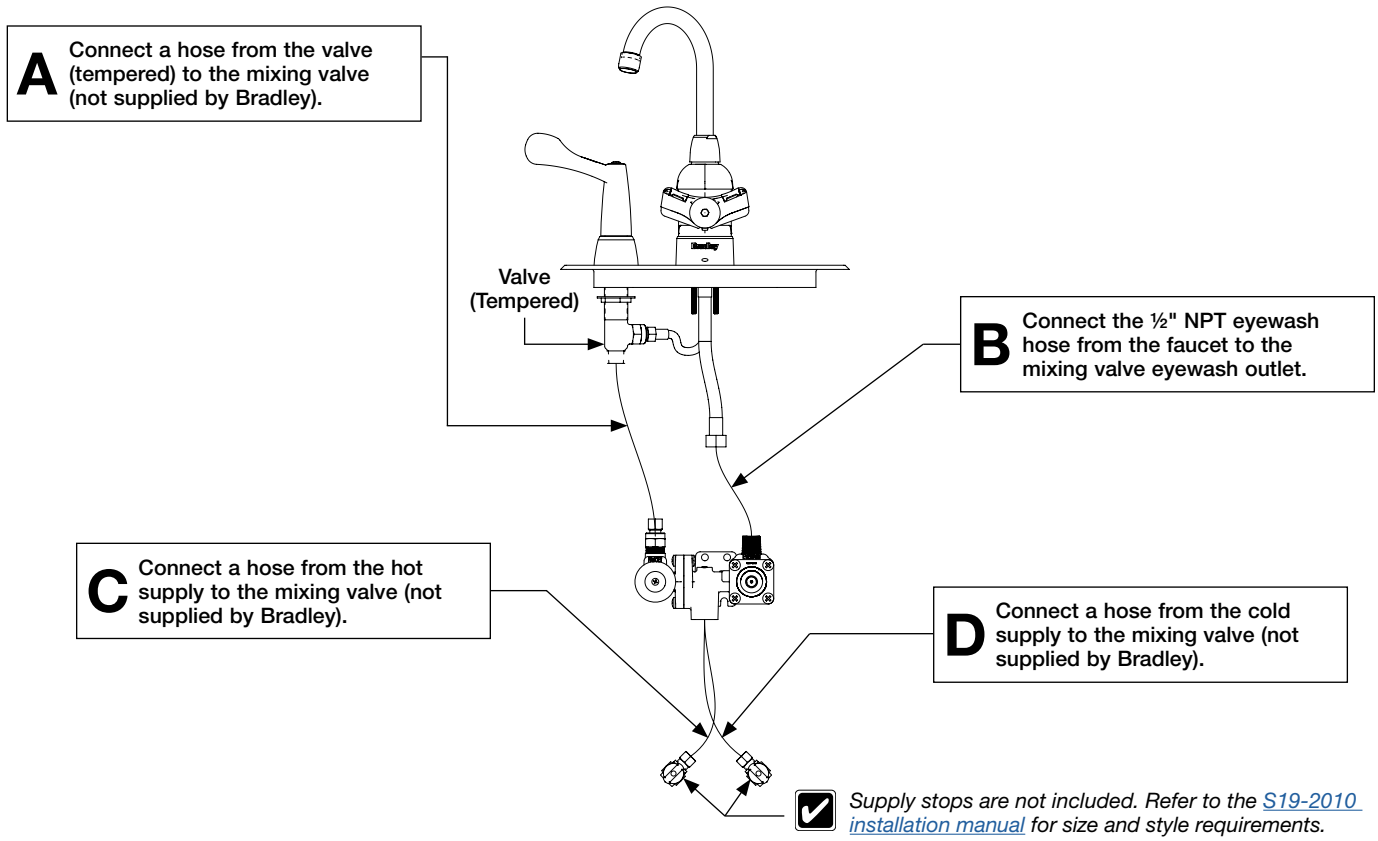
F Plumb the faucet hose to the tee using the provided nipple and fitting.

G Plumb the hoses from the side ports on each valve to the provided tee.

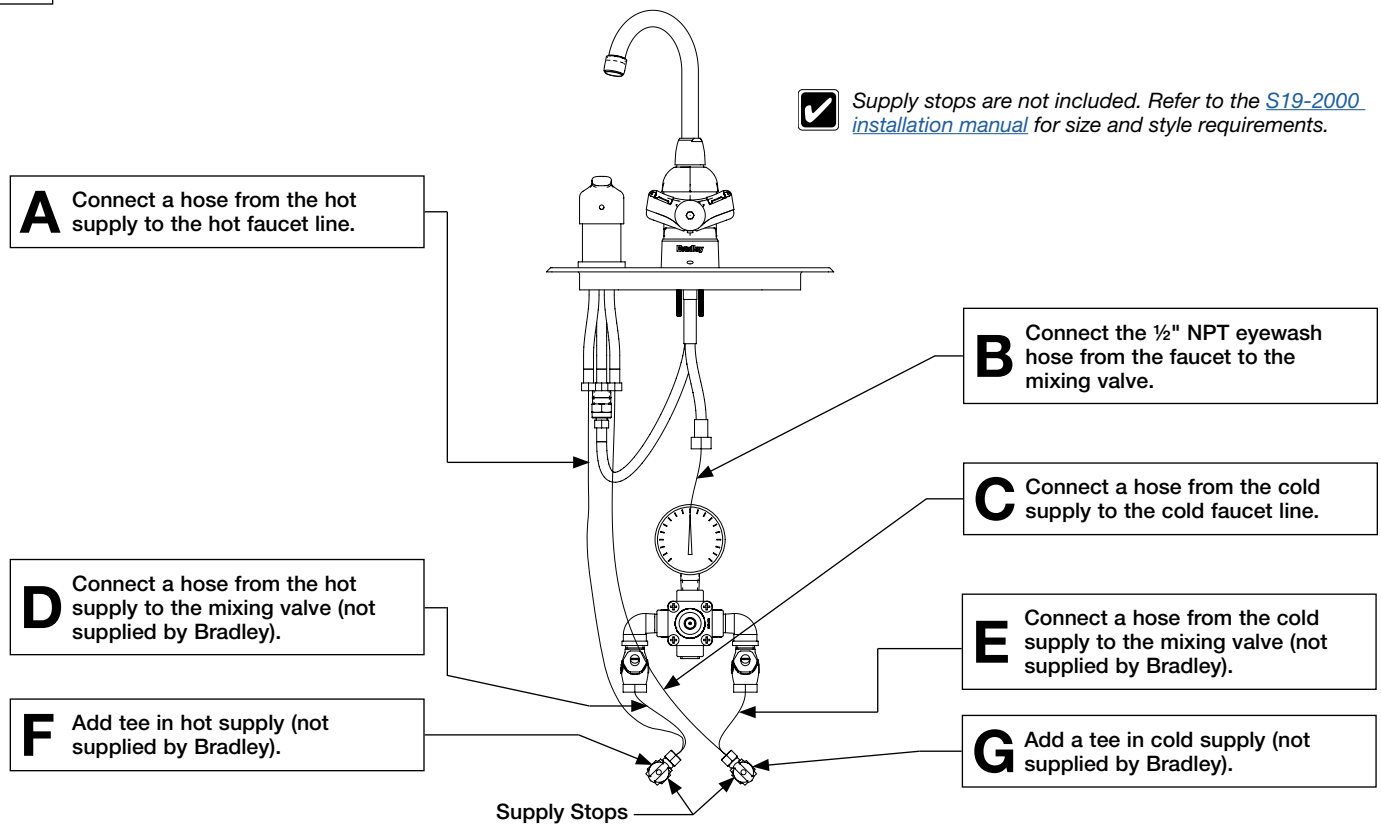
H Plumb the faucet supply to the bottom of the valve assembly (hose supplied by installer).



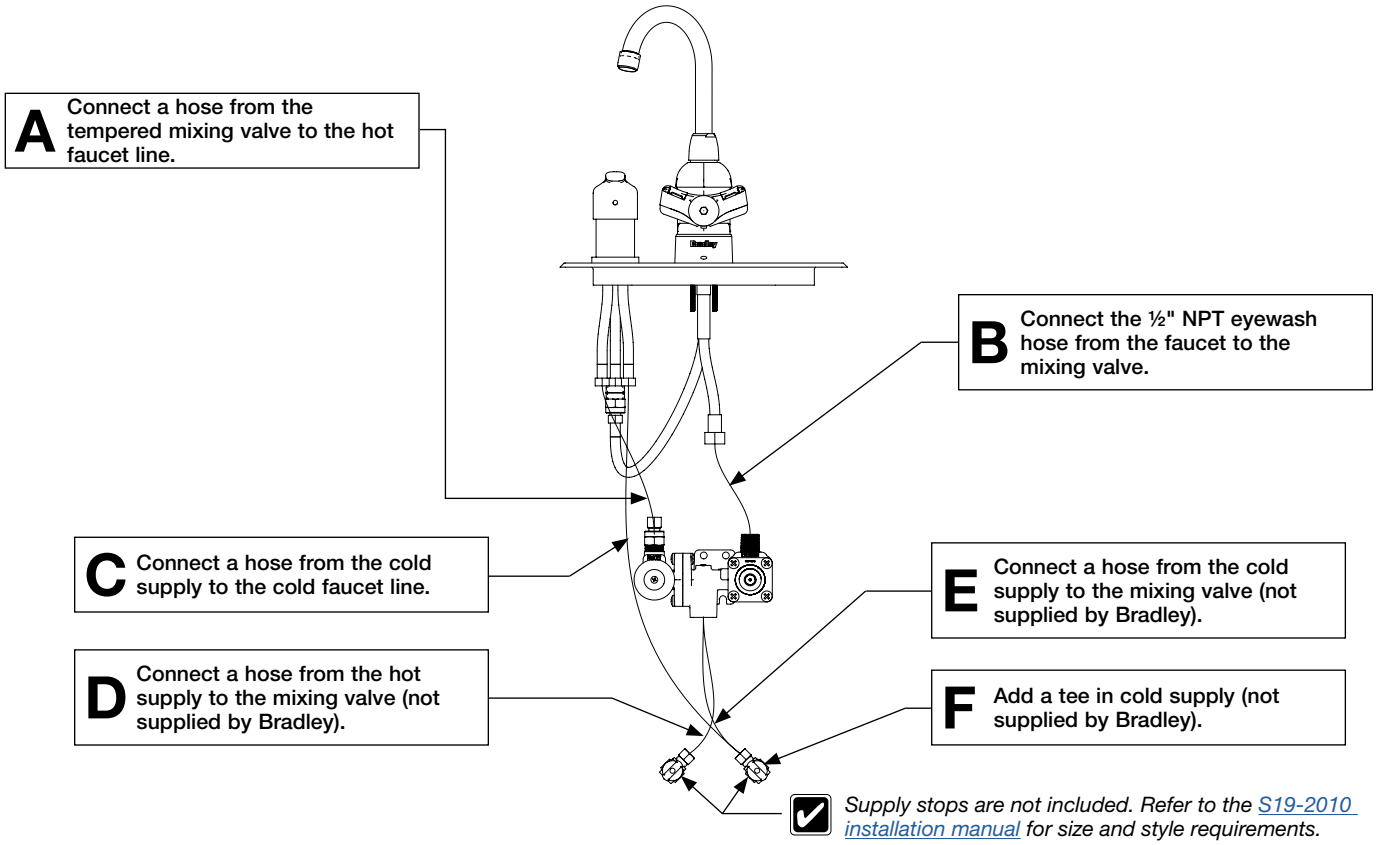
3a Plumb to S19-2010 Mixing Valve (S19-500T, S19-505T, S19-510T & S19-515T)



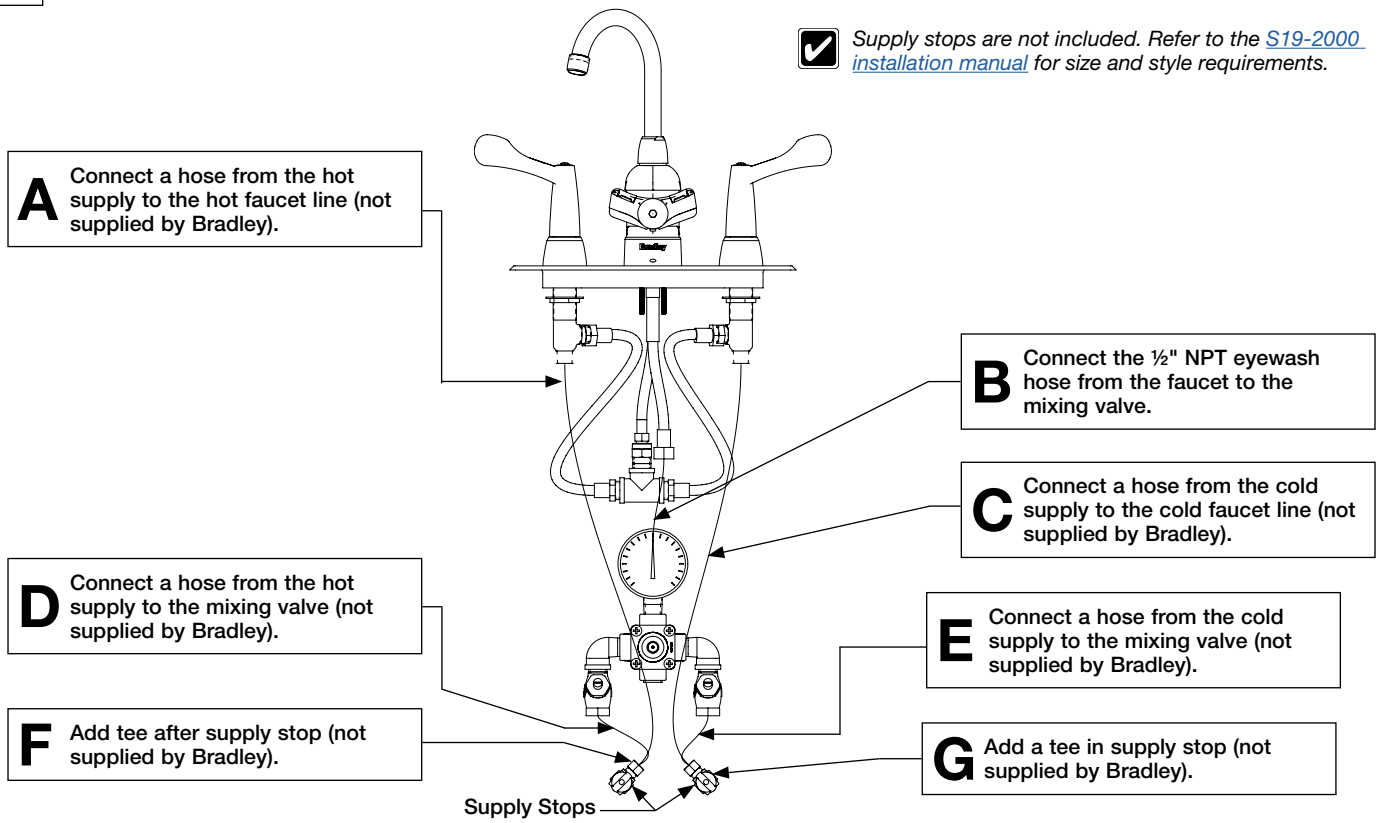
3b Plumb to S19-2000 Mixing Valve (S19-500, S19-505, S19-510, & S19-515)



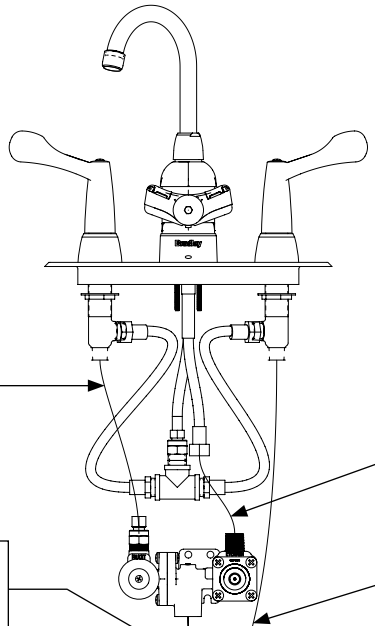
3c Plumb to S19-2010 Mixing Valve (S19-500M, S19-505M, S19-510M & S19-515M)



3d Plumb to S19-2000 Mixing Valve (S19-500W, S19-505W, S19-510W & S19-515W)



3e Plumb to S19-2010 Mixing Valve (S19-500W, S19-505W, S19-510W & S19-515W)



A Connect a hose from the tempered mixing valve to the hot faucet line (not supplied by Bradley).

B Connect the ½" NPT eyewash hose from the faucet to the mixing valve.

C Connect a hose from the cold supply to the cold faucet line (not supplied by Bradley).

D Connect a hose from the hot supply to the mixing valve (not supplied by Bradley).

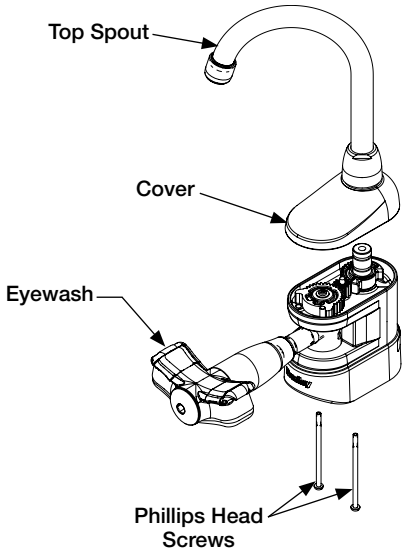
E Connect a hose from the cold supply to the mixing valve (not supplied by Bradley).

F Add a tee after supply stop (not supplied by Bradley).

☑ *Supply stops are not included. Refer to the S19-2010 installation manual for size and style requirements.*

Change Faucet & Eyewash Swing Direction

A From the bottom of the unit, remove the two Phillips head screws to allow the top spout assembly and cover to slide up and be removed.



B Verify the eyewash is in the On position as shown.

C Remove the wave washer from on top of the rear gear. Set aside for reinstallation.

D Reposition the pin at the front hole marked with the L or R. Refer to the illustration.

E Slide the rear gear up and off of the post. Flip the rear gear as needed per the illustration.

F Slide the rear gear back on to the post, aligning the gear teeth to fit with the small center gear. Verify the L or R on the rear gear matches the pin position used.

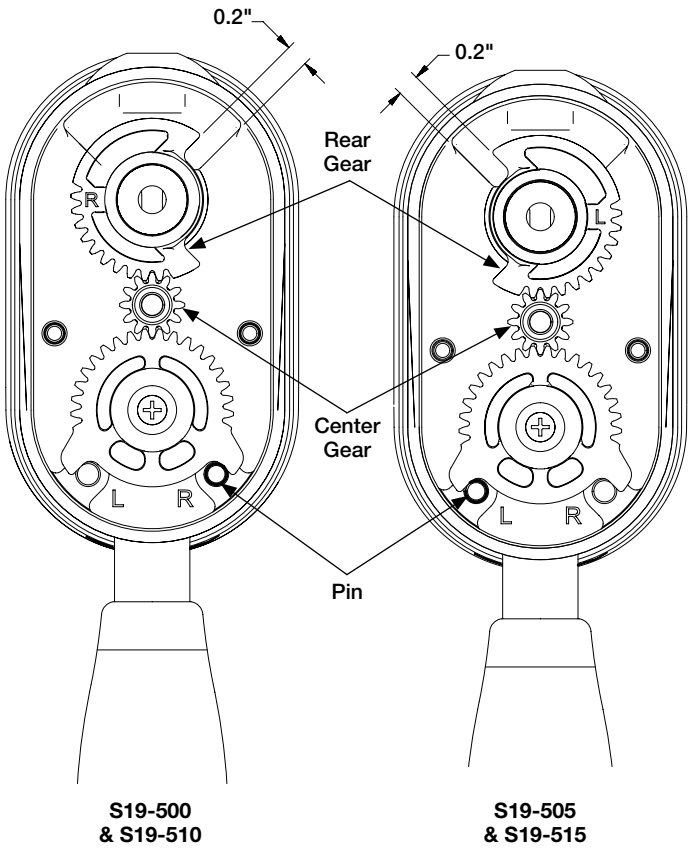
G Test the eyewash rotation. Verify the eyewash movement is stopped by the pin in each direction. If it is not stopped, adjust the rear gear to engage with the correct teeth.

H Slide the wave washer back into position on top of the rear gear.

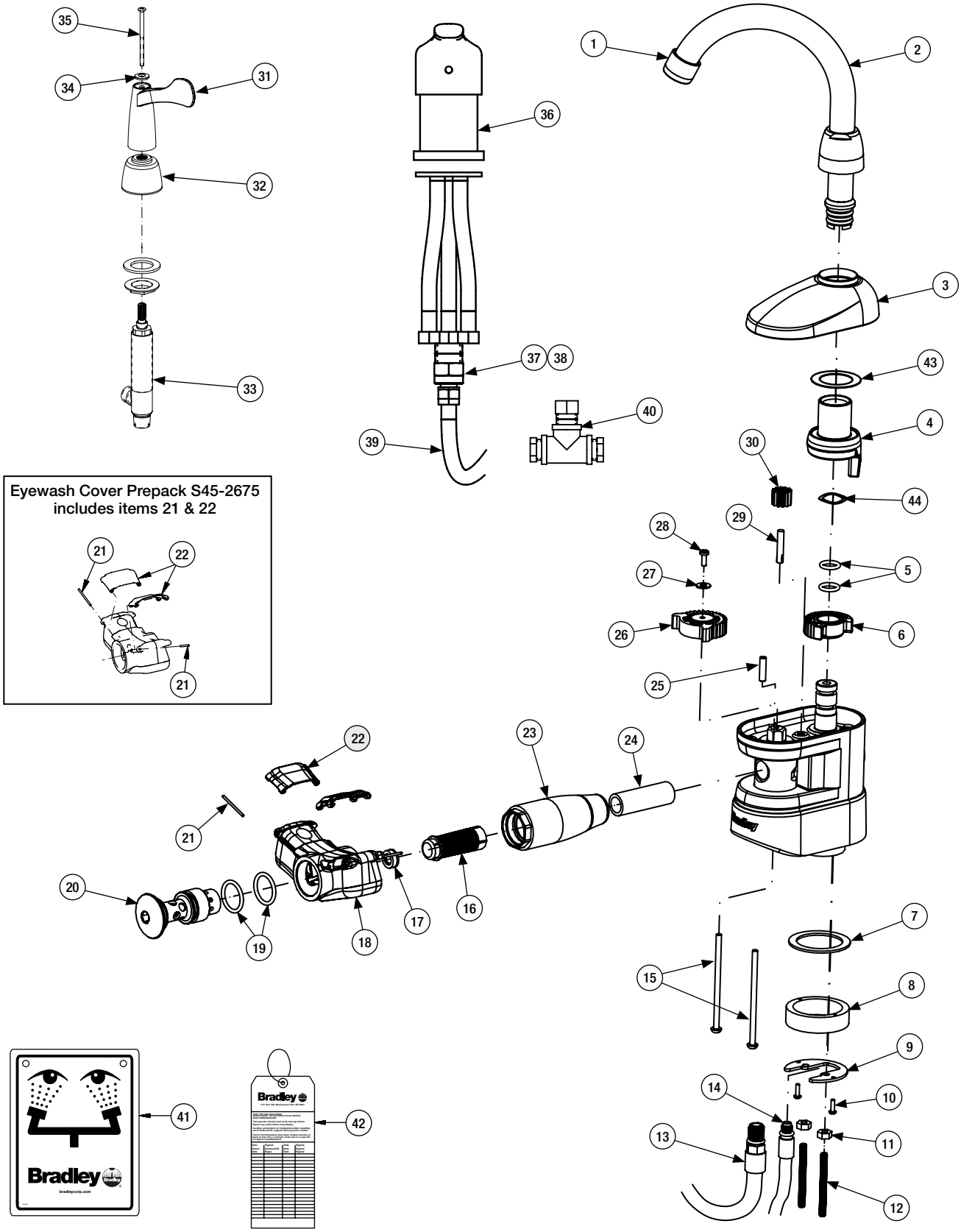
I Move the eyewash to the Off position by rotating it to the right or left side.

J Reassemble the top spout assembly and cover and secure using the two Phillips screws removed in Step A.

K Check the function of the unit by swinging the eyewash assembly from the On position to the Off position. Verify the faucet is free to rotate. Move the eyewash to the On position and verify the faucet swings out of the way.



Assembly of Components



Parts List

Item	Part No.	Qty	Description	Item	Part No.	Qty	Description
1	S45-3009	1	Flow Control Kit (1.5 gpm & 2.2 gpm)	28	160-329	1	Screw, 6-32 x 3/8 RD
2	S53-357, S53-358	1	Spout w/ Swivel Lock Feature (short), Spout w/ Swivel Lock Feature (tall)	29	152-073	1	Quarter Groove Pin 3/16 x 1
3	107-675	1	Cover	30	143-075	1	Gear - Middle
4	118-358	1	Adapter - Spout	31	128-211	2	Handle, S19-500W & S19-505W (S19-500T & S19-505T (Qty 1))
5	125-001CB	2	O-Ring	32	121-031	2	Bonnet Nut, S19-500W & S19-505 (S19-500T & S19-505T (Qty 1))
6	143-076	1	Gear - Spout	33	S73-060	1	Valve, Faucet / Cold Water, S19-500W & S19-505T
7	124-116	1	Gasket	33A	S73-060A	1	Valve Cartridge Cold - Service
8	104-157	1	Spacer - Mounting	ns	S73-061A	1	Valve Cartridge Hot - Service
9	159-488	1	Mounting Plate	ns	S73-061	1	Valve, Faucet / Hot Water, S19-500W & S19-500T
10	160-478	2	Screw, 4-40 x 3/8 Pan	34	142-157B	1	Washer, Lever Blue, S19-500W & S19-505W
11	161-154	2	Nut, 10-32 Hex Lock	34	142-157R	1	Washer, Lever Red, S19-500W & S19-505W
12	147-050	2	Stud, 10-32 x 2	34	142-157W	1	Washer, Lever Chrome, S19-500T & S19-505T
13	269-2789	1	Hose, SS M12-1 x 1/2-14 NPSM	35	160-562	2	Screw, 10-24 x 3 OV, S19-500W & S19-505W (S19-500T & S19-505T (Qty 1))
14	269-2788	1	Hose, M8-1 x 3/8 Compression	36	S73-062	1	Valve Body Assembly, S19-500M & S19-505M
15	160-560	2	Screw, 8-32 x 3	36A	S73-062A	1	Valve Cartridge - Service
16	173-032	1	Strainer - Plastic - Slotted	36B	S73-062B	1	Handle - Service
17	125-175	1	Flow Control 4.8	36C	S73-062C	1	Hose Kit (all 3) - Service
18	S05-189	1	Sprayhead Assembly	36D	S73-062D	1	Hardware Mounting - Service
19	125-157	2	O-Ring (-117) 0.799 ID x 0.103 W	37	113-006DH	2	Pipe, 1/2 x Close Red Brass
20	115-159	1	Body - Cap	38	269-1999	3	Comp FTG 1/2 NPTF x 3/8 OD
21	166-012	2	Pin Hinge	39	269-653	4	Hose, Flexible 1/2 NPT 24 LG
22	107-604	2	Dust Cover, Eye Wash	40	269-1150	1	Tee, 1/2"
23	171-010	1	Body Mount 3/8 NPT Female	41	114-051	1	Eyewash Sign
24	113-1333	1	Pipe, 3/8 x 2 Chrome	42	204-421	1	Inspection Tag
25	152-072	1	Pin, 3/16 x 3/4	43	142-137	1	Friction Washer
26	143-074	1	Gear - Large, Swivel	44	142-158	1	Wave Washer
27	142-002AQ	1	Washer, 0.203 x 0.438 x 0.032 Flat				