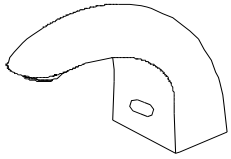
Installation and Owner's Manual

AEF-300/300T SERIES

SENSOR FAUCET SYSTEMS

HYBRIDFLO® FIXEDFLO® HEALTHFLO®



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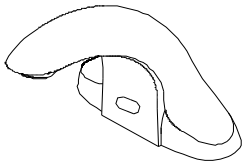

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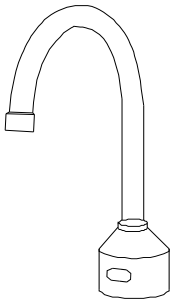

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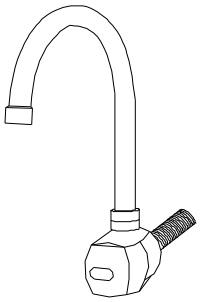

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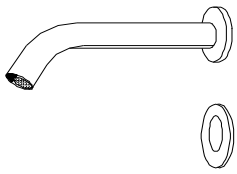

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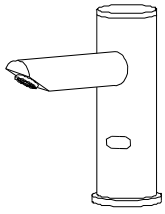

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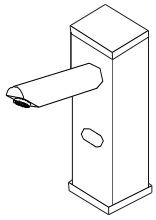

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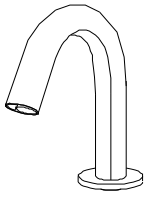

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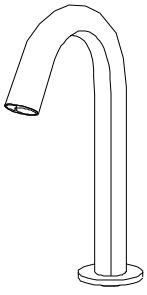

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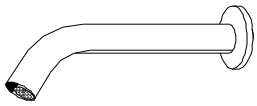

AEF-304T

AEF-305T

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REV. 07/16

Table of Contents

Important Pre-Installation and Installation Notes

Please read the following notes prior to installation of your new AMTC faucet system. Failure to do so could result in personal injury, property damage, and/or damage to the product.

1. **Only qualified personnel should be allowed to install, disassemble, repair, or modify the faucet system. Failure to do so may result in shock, product damage, or product malfunction.**

2. **Install all plumbing in accordance with applicable codes and regulations.**

3. **Prior to installation, check the hot/cold water supply pressure. The recommended working pressure range is 20 psi - 80 psi (138 kPa - 551 kPa). If the supply pressure is greater than 80 psi (551 kPa), reduce to the recommended range by using a pressure reducing device (sold separately). Water pressures over 80 psi are not recommended for most plumbing fixtures. Check your local plumbing code for details.**

4. **Prior to installation, it is recommended to install hot/cold water supply hoses (not included) that are at least 20" (508mm) in length to allow for proper location installation of faucet system control box.**

5. **Prior to installation, flush all water lines until water is clear before connecting hose from supply stops to faucet system control box.**

6. **Faucet system control box MUST be installed securely against BACK WALL using mounting holes and supplied mounting hardware as shown in installation diagram on next page.**
   IMPORTANT: Be sure to install faucet system control box in the correct orientation as shown. Otherwise, internal components may become damaged and cause product to malfunction. Warranty may become void.

7. **DO NOT use teflon tape or plumber's putty on any threads.**

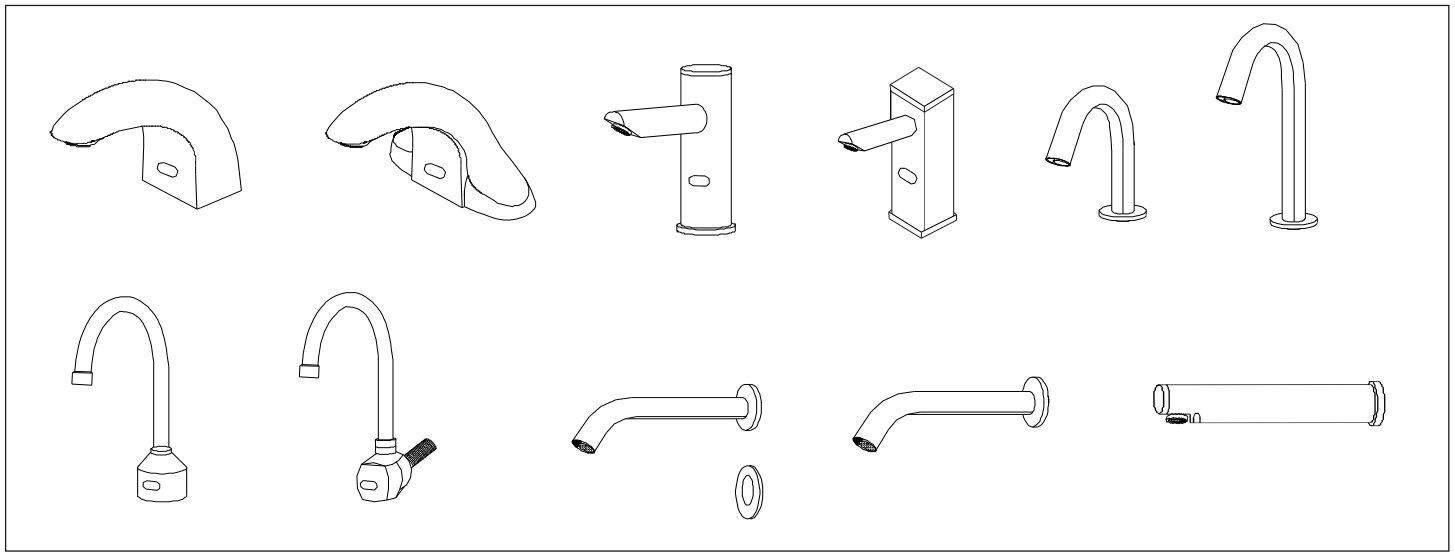
8. **DO NOT over-tighten hose connections. Over-tightening may cause damage to the seal.**

9. **Make sure that power cables DO NOT come in contact with any water supply hose/pipe.**

10. **Once faucet system installation is complete (and before you turn on water stops) it is recommended to flush out any residual debris in water line. To do this remove aerator on faucet spout. Open water stops. Activate the faucet to flow water by placing your hand in front of the sensor. Let the water flow for a few seconds and re-install aerator. (This action will flush out residual debris in water line to prevent clogging of aerator).**

11. **Check supply hoses/pipes for any leaks.**

12. **Set temperature output according to local codes and regulations. The recommended supply temperature range is 39°F - 104°F (4°C - 40°C). Check your local plumbing code for details.**



Install Deck Mount Spout (300 Series)

This section is for 300 Series deck mount spouts only.
(Models **AEF-300, AEF-301, AEF-302, AEF-306, AEF-307**)

Note: A 1” (25mm) diameter (center) hole must be created to install these models.

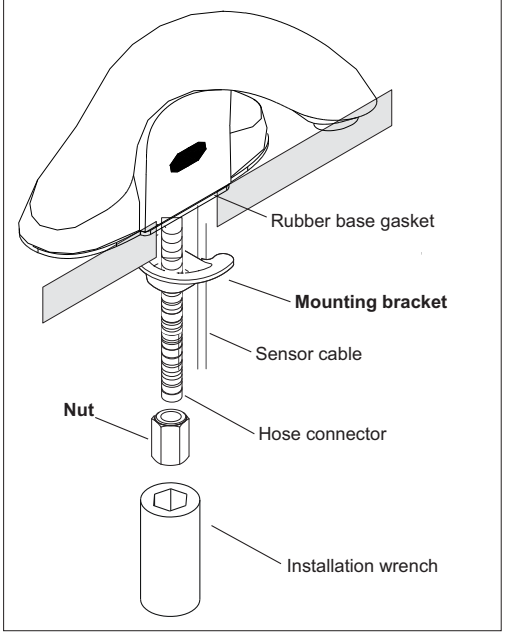
1. Secure spout to the countertop or sink with the included mounting bracket and nut. Tighten using included installation wrench.

Note: If installing spout onto 3-hole application also use included outer hole screws with nuts.
If using a cover plate use mounting bracket and cover plate screws with nuts.

2. Make sure that the spout is mounted with the tip directed towards the center of the basin as shown in Figure 1.

3. Make sure sensor cable is not pinched by the mounting bracket (sensor cable should be run on the flat side of the mounting bracket).

Figure 1



Install Deck Mount Spout (300T-Series)

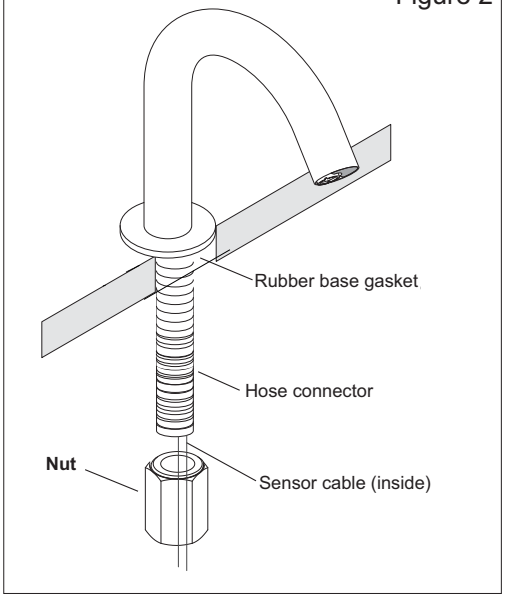
This section is for **300T Series** deck mount spouts only.
(Models **AEF-300T, AEF-302T**)

Note: A 1-3/8” (35mm) diameter (center) hole must be created to install these models.

1. Secure spout to the countertop or sink with the included mounting nut. Tighten using wrench.

2. Make sure that the spout is mounted with the tip directed towards the center of the basin as shown in Figure 2.

Figure 2



Install Wall Mount Spout (Model AEF-303)

Note: The addition of a 2” x 4” stringer behind the spout installation location is highly recommended.

1. Drill a 3/4” (19mm) diameter hole at the spout mounting location (center) for the threaded rod and sensor cable to pass through as pictured in Figure 3.

2. Feed spout threaded rod and sensor cable through the 3/4” (19mm) hole in center.

3. Place spout against wall and fasten securely with the provided nut and metal washer as pictured in Figure 4. Tighten nut behind wall.

4. Connect 90° hose adapter to spout threaded rod as pictured in Figure 4. Do not over-tighten.

5. Connect supply hose to 90° hose adapter as pictured in Figure 4. Do not over-tighten.

Figure 3

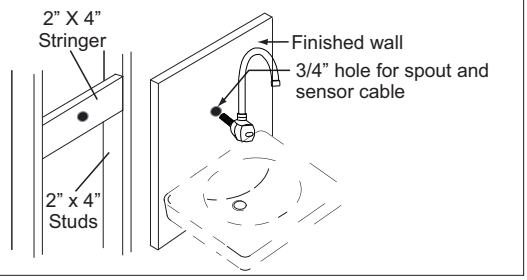
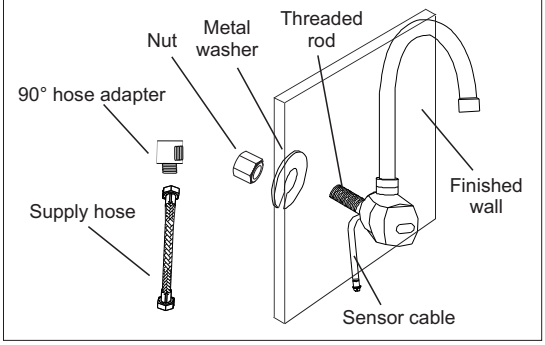


Figure 4



Install Wall Mount Spout (Model AEF-304)

Note: The addition of two 1” x 4” stringers behind the spout and sensor installation location is highly recommended.

Important: Recommended distance from center hole of spout to center hole of sensor is 4.5” (114mm).

Spout Installation

1. Drill a 3/4” (19mm) diameter hole at the spout mounting location (center) for the threaded rod to pass through as pictured in Figure 5.

2. Place spout against wall and fasten securely with the provided nut and metal washer as pictured in Figure 6. Tighten nut behind wall.

3. Connect 90° hose adapter to threaded rod as pictured in Figure 6. Do not over-tighten.

4. Connect supply hose to 90° hose adapter as pictured in Figure 6. Do not over-tighten.

Sensor Installation

1. Drill a 1-1/2” (38mm) diameter hole at the sensor mounting location (center) for the threaded rod and sensor cable to pass through as pictured in Figure 7.

2. Place sensor against wall and fasten securely with the provided (2) washers and nut as pictured in Figure 7. Tighten nut behind wall.

Figure 5

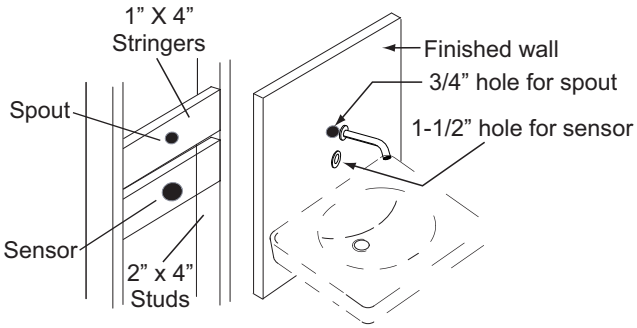


Figure 6

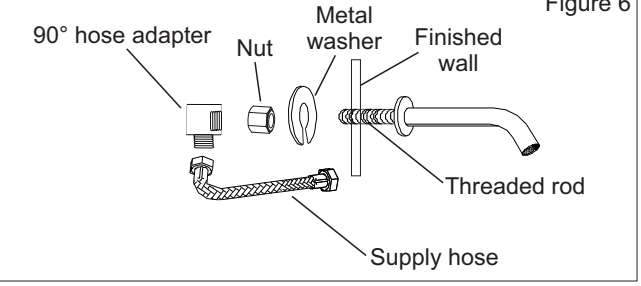
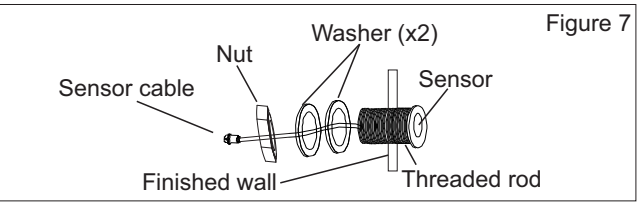


Figure 7



Install Wall Mount Spout (Model AEF-304T)

Note: The addition of a 2” x 4” stringer behind the spout installation location is highly recommended.

1. Drill a 1-1/8” (29mm) diameter hole at the spout mounting location (center) for the supply hose and sensor cable to pass through as pictured in Figure 8.

2. Drill three (3) pilot holes 3/16” (5mm) in diameter and insert anchors until flush.
   Tap lightly with a hammer if needed.

3. Feed the supply hose and sensor cable through the 1-1/8” (29mm) hole in center as pictured in Figure 9A.

4. Place spout against wall and fasten securely with the provided screws as pictured in Figure 9B.

5. Fasten the escutcheon to the bracket until hand-tight as pictured in Figure 9B.

Figure 8

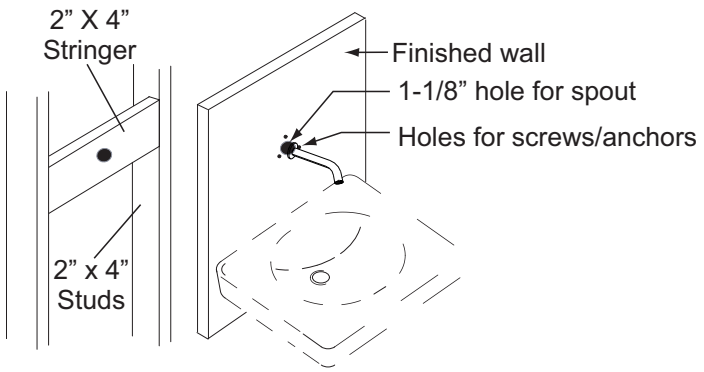


Figure 9A

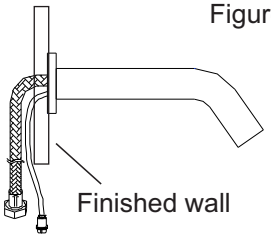
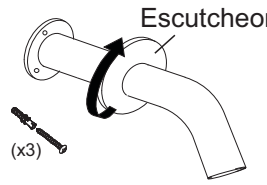


Figure 9B



Install Wall Mount Spout (Model AEF-305T)

Note: The addition of a 2” x 4” stringer behind the spout installation location is highly recommended.

Important: There is a **minimum requirement of 11” (275 mm) of clearance** from the bottom of the aerator to the basin in order for the sensor to function properly. Any distance shorter than 11” (275mm) may result in sensor error from the reflection of the sink.

1. Drill a 1-1/2” (38mm) diameter hole at the spout mounting location (center) for the threaded rod and sensor cable to pass through as pictured in Figure 10.

2. Feed the threaded rod and sensor cable through the 1-1/2” (38mm) hole in center as pictured in Figure 11.

3. Place spout against wall and fasten securely with the provided (2) washers and nut as pictured in Figure 11.

4. Connect supply hose to 90° hose adapter as pictured in Figure 11. Do not over-tighten.

Figure 10

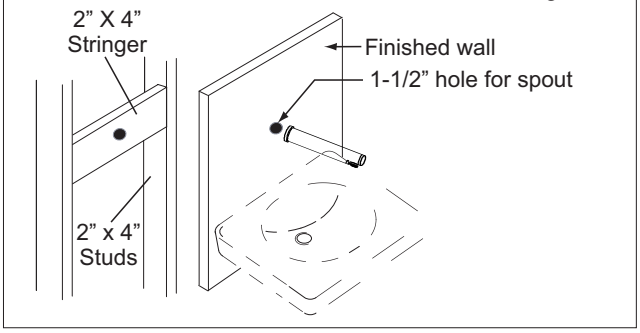
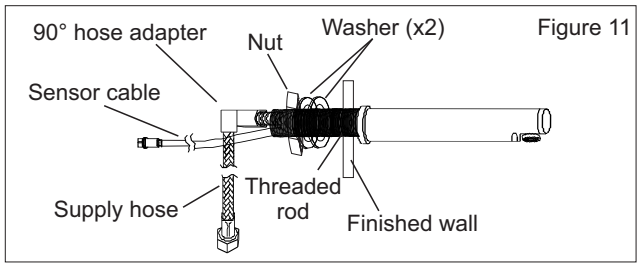


Figure 11



Install Control Box

Note: Make sure to read the Pre-installation notes on page 3 of this manual before proceeding with control box installation.

1. Determine the proper location for the installation of the control box.

2. Mount the control box on the back wall using the two included screws. If necessary, drill two 3/16" (5mm) holes to use the included wall anchors as pictured in Figure 12 below.

IMPORTANT: Faucet system control box MUST be installed securely against BACK WALL using mounting holes and supplied mounting hardware as pictured in Figure 12 below. Be sure to install faucet system control box in the correct orientation as shown. Otherwise, internal components may become damaged and cause product to malfunction. Warranty may become void.

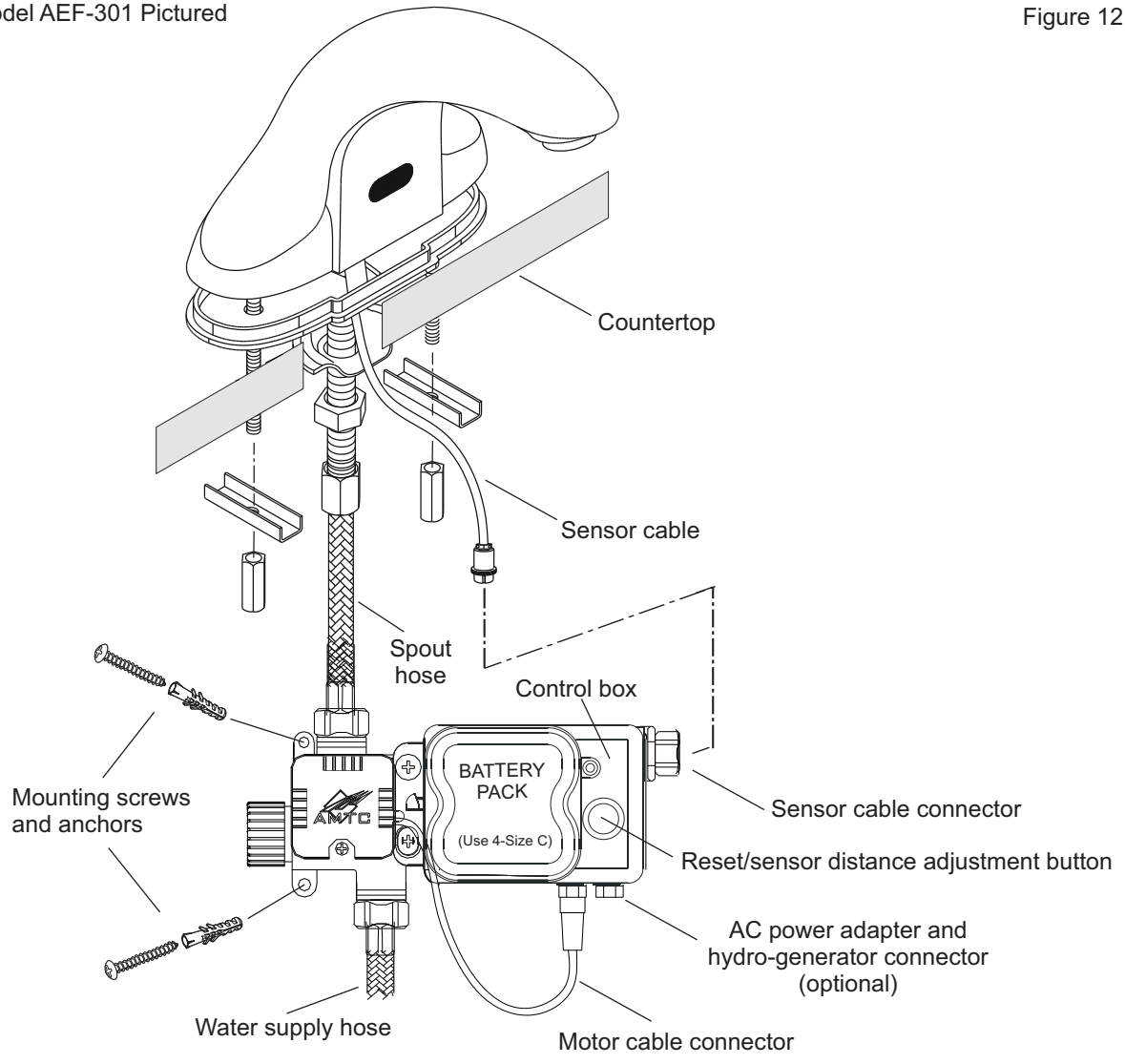
3. Once control box is mounted properly, connect the spout hose and water supply hose as pictured in Figure 12.

Note: Figure 12 illustrates single water hose installation. If using a hot/cold water mixing valve install hot/cold water supply hoses to mixing valve. If using a thermostatic mixing valve make sure to connect hot/cold water supply hoses accordingly to assure proper operation.

4. Connect the sensor cable to sensor cable connector on control box as pictured in Figure 12.

Model AEF-301 Pictured

Figure 12



Activate Faucet System

This section is for 300 Series spouts only.
(Models **AEF-300, AEF-301, AEF-302, AEF-303, AEF-304, AEF-306, AEF-307**)

Once you have connected the sensor cable to control box as pictured in Figure 12 you are ready to activate the faucet system.

To activate:

1. Turn on the water supply at the stop valves and inspect all the connections for any leaks as pictured in Figure 13.

2. Place hand approx. 4” (102mm) in front of sensor window to activate water flow on as pictured in Figure 14.

3. Red light will flash and water will flow while hand is in sensing area.

4. Remove hand away from sensing area and faucet will shut off within 2 seconds.

Note: Faucet system includes a 10-second continuous water flow shut-off timer.

Note: Sensing distance may be adjusted to read shorter or longer.
(see Distance Adjustment Section for procedure on page 9).

Figure 13

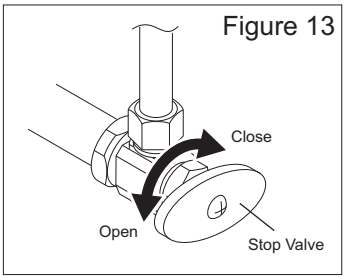
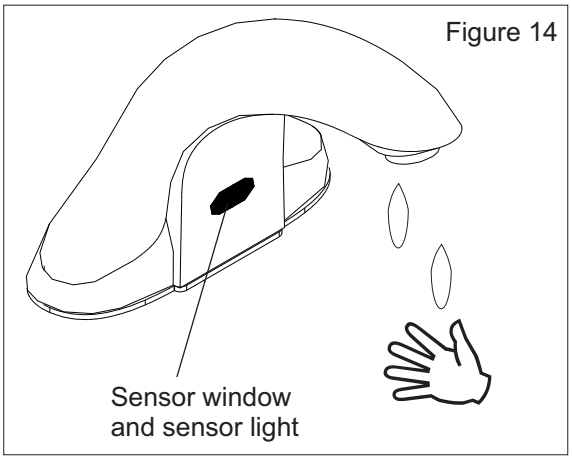


Figure 14



This section is for **300T Series** spouts only.
(Models **AEF-300T, AEF-302T, AEF-304T**, **AEF-305T**)

Once you have connected the sensor cable to control box as pictured in Figure 12 you are ready to activate the faucet system.

To activate:

1. Turn on the water supply at the stop valves and inspect all the connections for any leaks as pictured in Figure 15.

2. Push and hold reset button on control box (pictured in Figure 16A). Water will turn ON for approx. 5-6 seconds then turn OFF. Release reset button. Sensor will now self-adjust (process takes 15-20 seconds). Water will turn ON and OFF by itself one time after the sensor has self-adjusted.

3. Place hand in front of sensor window to activate water flow on as pictured in Figure 16B.

4. Red light will flash and water will flow while hand is in sensing area.

5. Remove hand away from sensing area and faucet will shut off within 2 seconds.

Note: Faucet system includes a 10-second continuous water flow shut-off timer.

Figure 15

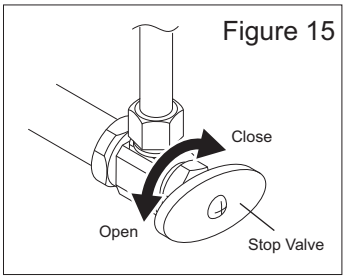


Figure 16B

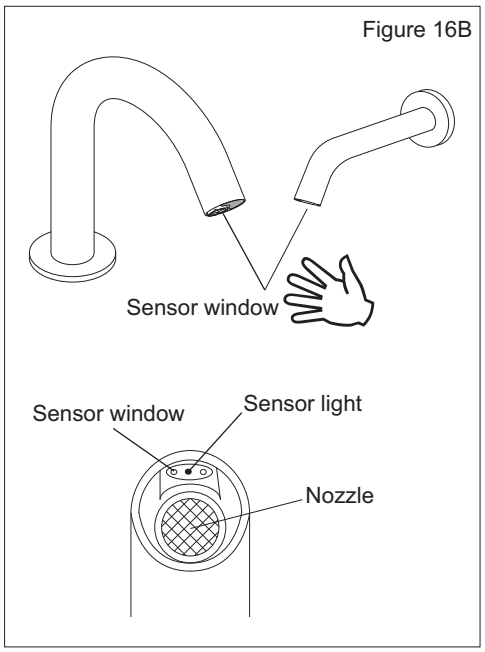
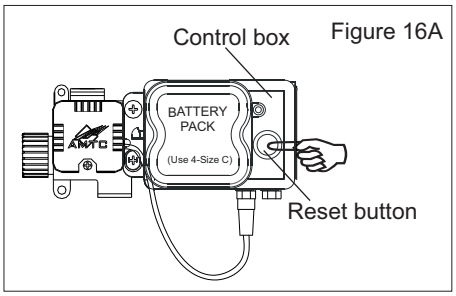


Figure 16A



Sensor Distance Adjustment

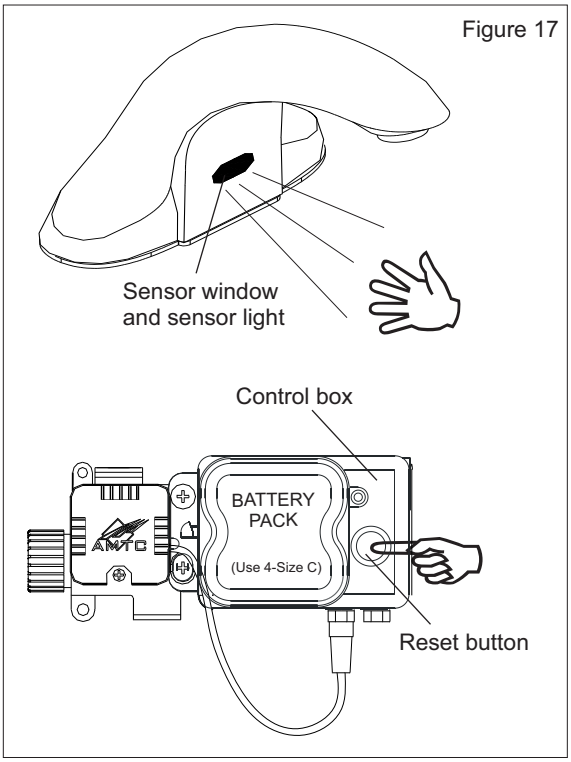
This section is for 300 Series spouts only.
(Models **AEF-300, AEF-301, AEF-302, AEF-303, AEF-304, AEF-306, AEF-307**)

1. Push and hold reset button on control box (pictured in Figure 17). Water will turn ON for approximately 5 seconds and then OFF. Release reset button.
   The sensor is now in setup mode.

2. Position the palm of your hand vertically and hold it at desired sensing distance.
   You will see a quick flashing red light in sensor window.

3. Hold your hand at the desired sensor distance for approximately 15 seconds while red light is flashing until solid red light comes on. Faucet will turn ON and then OFF by itself once when sensor range is set.

Figure 17

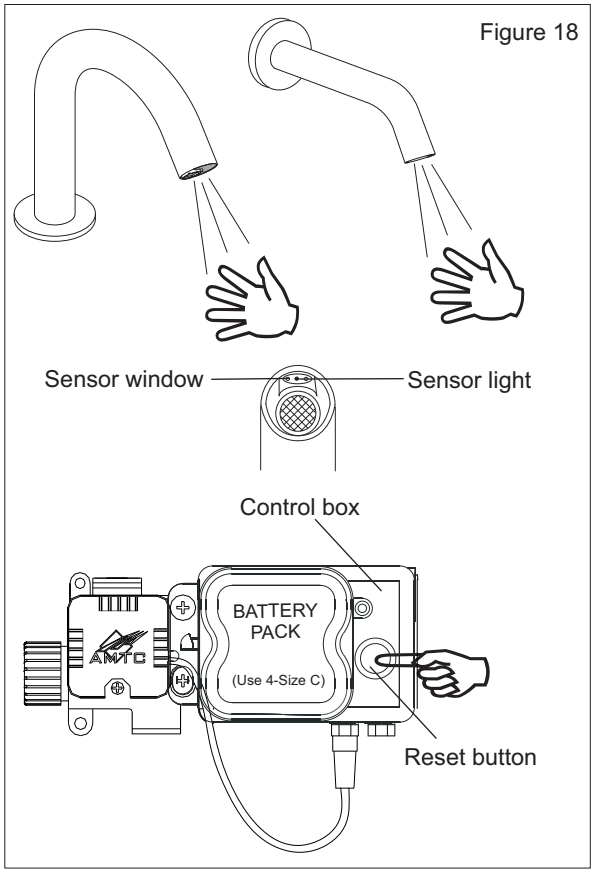


This section is for **300T Series** spouts only.
(Models **AEF-300T, AEF-302T, AEF-304T**, **AEF-305T**)

1. Locate the reset button on the control box as pictured in Figure 18.

2. Push and hold reset button on control box (pictured in Figure 18). Water will turn ON for approx. 5-6 seconds then turn OFF. Release reset button. Sensor will now self-adjust (process takes 20-30 seconds). Water will turn ON and OFF by itself one time after the sensor has self-adjusted.

Figure 18



Battery Replacement

1. Remove screw on the upper right hand corner of the battery pack on the control box as pictured in Figures 19 and 20.
2. Twist the battery pack counter-clockwise to release it from the latch as pictured in Figure 21.

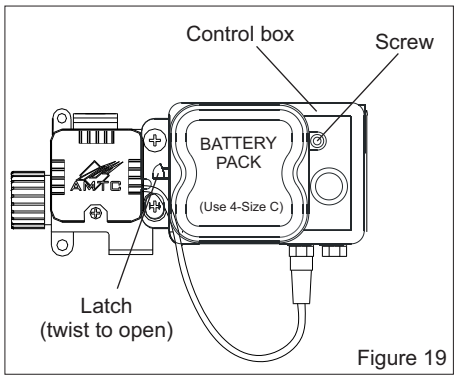


Figure 19

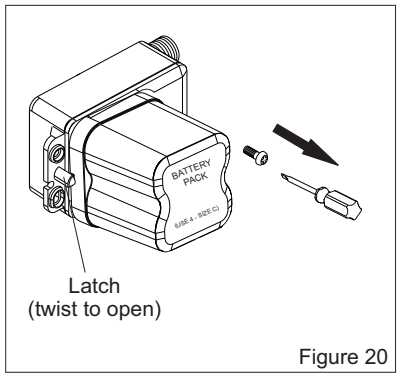


Figure 20

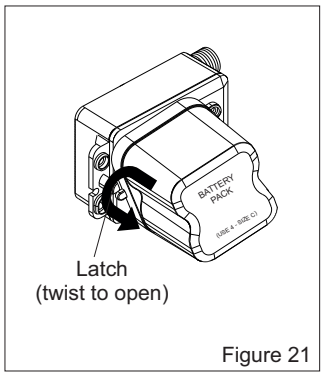


Figure 21

3. Remove battery pack cover as pictured in Figure 22.
4. Detach battery pack from control box as pictured in Figure 23.
5. Remove all four batteries and replace with four new batteries (4 x C-Cell) as pictured in Figure 23.

Note: Make sure all four batteries are installed in the right direction.

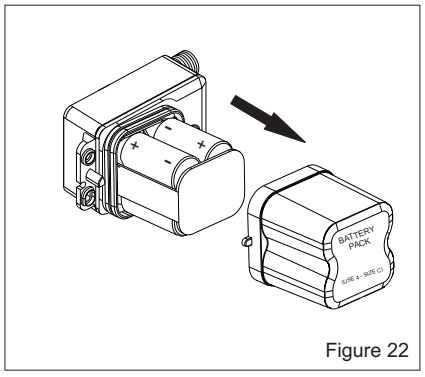


Figure 22

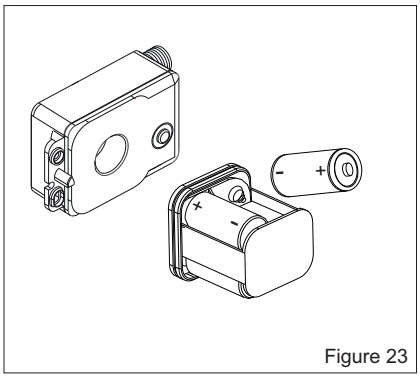


Figure 23

6. Re-insert battery pack into control box as pictured in Figure 24.
7. Re-install battery pack cover as pictured in Figure 24.
8. Rotate clockwise to latch into place and secure with screw as pictured in Figure 25.

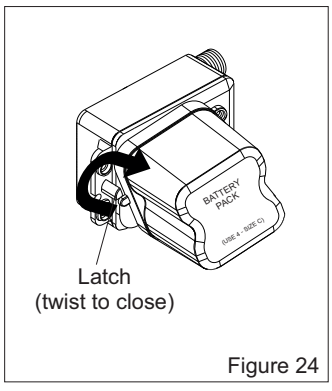


Figure 24

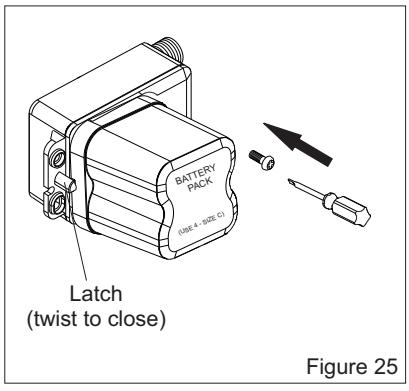


Figure 25

Care and Maintenance

Care

1. Avoid scratching the sensor and/or sensor window when cleaning the spout.

2. Avoid using any harsh cleaning materials that may scratch the surface of the spout.

3. Do not use any polishing powder, thinner, benzene, acid, alkaline detergent, or nylon scrub brushes, as they can damage the surface of the spout.

4. To clean, use a dampened soft cloth with water to safely wipe the surface of the spout. You may use some diluted dishwashing detergent if necessary. Do not use any harsh chemicals that may damage the surface of the spout.

Maintenance

1. Periodically check to make sure that spout is not loose. If loose tighten all mounting screws and/or nuts.

2. Periodically check to make sure that control box is installed properly and that no cables or supply hoses have come loose. If loose then tighten hoses and re-install cables.

3. Periodically check all water hose connections for signs of leakage. Tighten or replace water hoses if leakage is present.

Clean the Water Filter (HYBRIDFLO® & FIXEDFLO® Only)

When the water filter and/or nozzle is clogged, the flow rate will decrease and/or cause inconsistent water flow.

To clean the water filter:

1. Turn the water OFF at the stop valves.

2 Remove water filter (Figure 28) by unscrewing from control box.

3. Clean the water filter completely.

4. Re-install water filter (make sure not to damage o-ring).

5. Turn the water ON at the stop valves.

Clean the Nozzle

To clean the nozzle:

1. Remove the nozzle (Figure 26 and 27) from spout.

2. Clean the nozzle completely and remove any debris.

3. Re-install the nozzle in the spout.

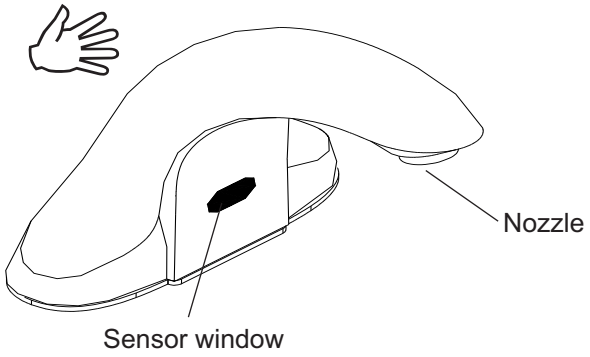


Figure 26

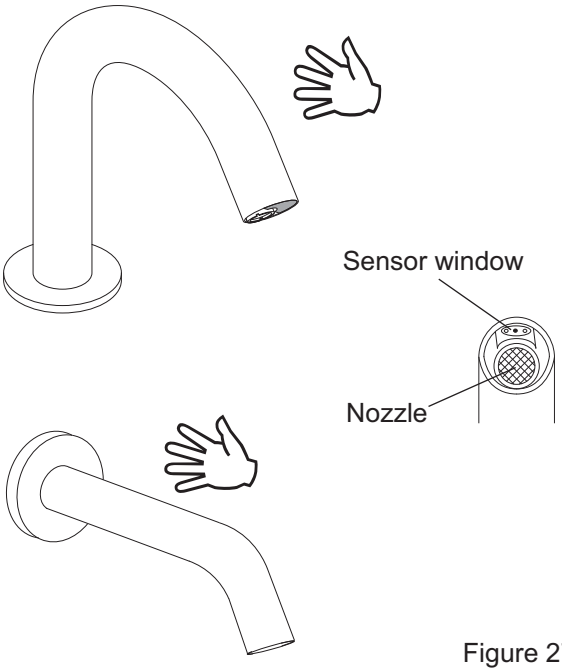


Figure 27

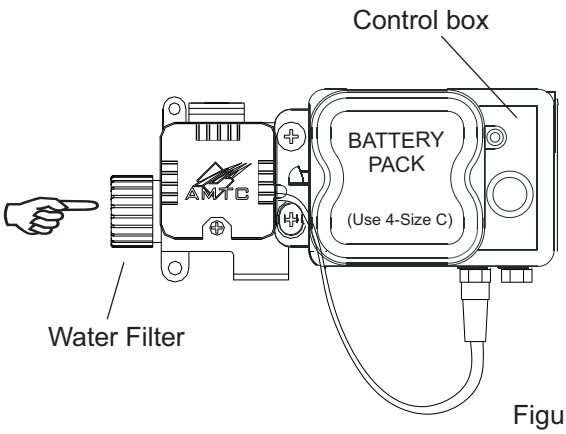


Figure 28

Troubleshooting for 300 Series

Problem	Solution
Faucet does not activate	1. Water stop valves may be turned OFF. Make sure the stop valves are ON. 2. Check if red LED blinks on sensor window. If no light is present: A. Check or replace batteries (and/or alternate power source, if available). B. Make sure sensor cable is properly plugged into control box. 3. Check that motor plug is properly plugged into control box. 4. Inspect sensor window. If dirty, wipe down with soft cloth. If broken, replace. 5. Check motor mechanism by: A. Remove motor cover. B. Manually turn gears (clockwise). If gears do not turn, replace motor drive assembly.
Motor activates but no water comes out of the faucet	1. Water stop valves may be turned OFF. Make sure the stop valves are ON. 2. Check water filter by: A. Shut off stop valves and make sure water is completely OFF. B. Remove water filter and clean if necessary. C. Re-install water filter. 3. Check nozzle/aerator. If dirty, clean or replace. 4. Reset faucet by: A. Pressing green button on the control box and keep it pressed in until you see a solid red light come on in sensor window (about 5 seconds). B. Let go of the button and place the palm of your hand at desired sensor reading distance. C. Hold hand in place (about 15 seconds) until water turns ON and then OFF by itself once.
Water does not shut off	1. Test motor by: A. Remove motor cover. B. Manually turn gears (clockwise). If gears do not turn or if they turn non-stop, replace motor drive assembly. 2. Check flow pin assembly by: A. Shut off stop valves and make sure water is completely OFF. B. Remove motor cover. C. Remove motor assembly. D. Remove and inspect flow pin assembly. Clean or replace components. E. Re-install all components and turn water stop valves back ON. 3. Test sensor range by: A. Pressing green button on the control box and keep it pressed in until you see a solid red light come on in sensor window (about 5 seconds). B. Let go of the button and place the palm of your hand at desired sensor reading distance. C. Hold hand in place (about 15 seconds) until water turns ON and then OFF by itself once. 4. Check batteries (and/or alternate power source, if available).
Solid red LED light in sensor window stays ON	1. Check batteries are installed in the right direction and not fully drained (also check alternate power source, if available). Solid red light may be a “low power indicator”. 2. Control box may be damaged. If so, replace control box. 3. Sensor may be damaged. If so, replace sensor cable.
Spout drips	1. Remove nozzle/aerator and turn water ON and OFF by activating sensor 5 to 6 times. If dripping continues, follow instructions in “Irregular/low flow” below.
Irregular/low flow	1. Check stop valve. If not fully open, open fully. 2. Inspect nozzle/aerator. If dirty, clean or replace. 3. Check water filter by: A. Shut off stop valves and make sure water is completely OFF. B. Remove water filter and clean if necessary. C. Re-install water filter. 4. Check flow pin assembly by: A. Shut off stop valves and make sure water is completely OFF. B. Remove motor cover. C. Remove motor assembly. D. Remove and inspect flow pin assembly. Clean or replace components. E. Re-install all components and turn water stop valves back ON.
Water temperature is too high	1. Make sure stop valves are fully open. 2. Calibrate temperature adjustment in mixing valve to lower output temperature.
Water temperature is too low	1. Make sure stop valves are fully open. 2. Calibrate temperature adjustment in mixing valve to increase output temperature.

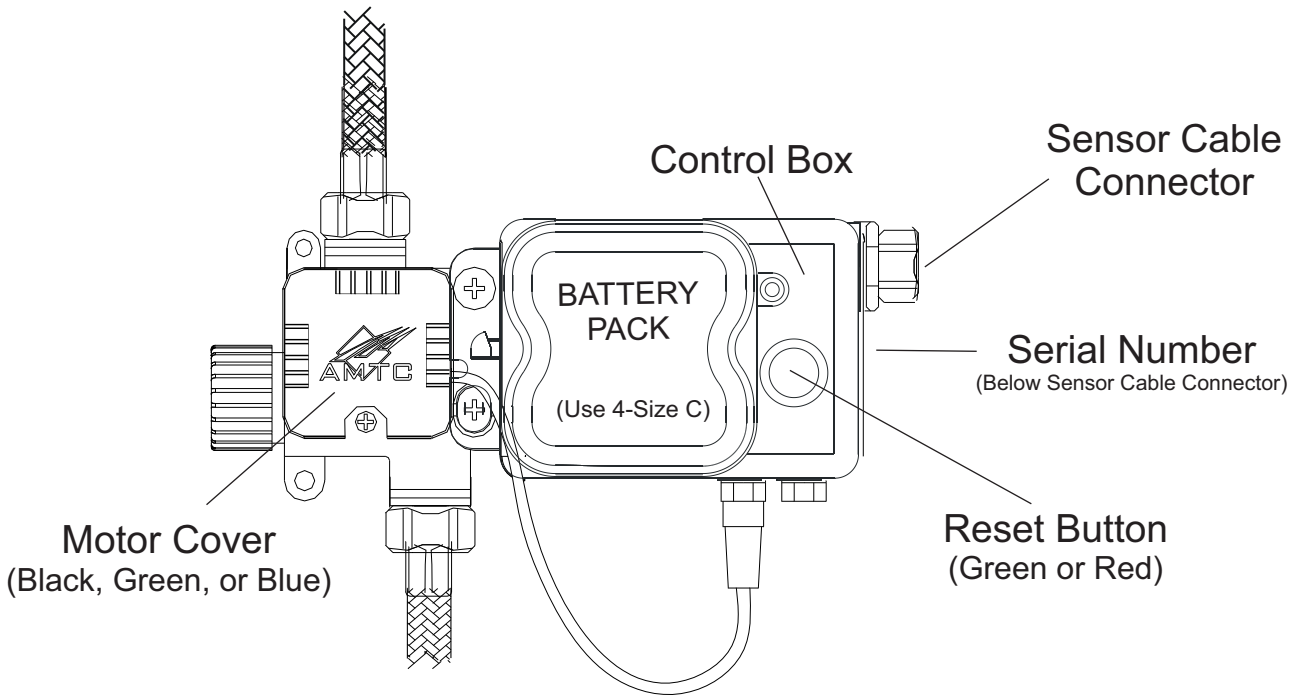
For Additional Assistance Contact Technical Support at 800-874-7822 or Visit our Website at www.AMTcorporation.com

Troubleshooting for 300T Series

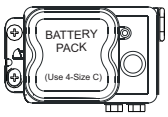
Problem	Solution
Faucet does not activate	1. Water stop valves may be turned OFF. Make sure the stop valves are ON. 2. Check if red LED blinks on sensor window. If no light is present: A. Check or replace batteries (and/or alternate power source, if available). B. Make sure sensor cable is properly plugged into control box. 3. Check that motor plug is properly plugged into control box. 4. Inspect sensor window. If dirty, wipe down with soft cloth. If broken, replace. 5. Check motor mechanism by: A. Remove motor cover. B. Manually turn gears (clockwise). If gears do not turn, replace motor drive assembly.
Motor activates but no water comes out of the faucet	1. Water stop valves may be turned OFF. Make sure the stop valves are ON. 2. Check water filter by: A. Shut off stop valves and make sure water is completely OFF. B. Remove water filter and clean if necessary. C. Re-install water filter. 3. Check nozzle/aerator. If dirty, clean or replace. 4. Reset faucet by: A. Pressing red button on the control box and keep it pressed in until water stops flowing (about 5 seconds). B. Let go of the button. Sensor will self-adjust (about 15 seconds). Water will turn ON and Off once by itself when the sensor adjustment process is completed.
Water does not shut off	1. Test motor by: A. Remove motor cover. B. Manually turn gears (clockwise). If gears do not turn or if they turn non-stop, replace motor drive assembly. 2. Check flow pin assembly by: A. Shut off stop valves and make sure water is completely OFF. B. Remove motor cover. C. Remove motor assembly. D. Remove and inspect flow pin assembly. Clean or replace components. E. Re-install all components and turn water stop valves back ON. 3. Test sensor range by: A. Pressing red button on the control box and keep it pressed in until water stops flowing (about 5 seconds). B. Let go of the button. Sensor will self-adjust (about 15 seconds). Water will turn ON and Off once by itself when the sensor adjustment process is completed. 4. Check batteries (and/or alternate power source, if available).
Solid red LED light in sensor window stays ON	1. Check batteries are installed in the right direction and not fully drained (also check alternate power source, if available). Solid red light may be a “low power indicator”. 2. Control box may be damaged. If so, replace control box. 3. Sensor may be damaged. If so, replace sensor cable.
Spout drips	1. Remove nozzle/aerator and turn water ON and OFF by activating sensor 5 to 6 times. If dripping continues, follow instructions in “Irregular/low flow” below.
Irregular/low flow	1. Check stop valve. If not fully open, open fully. 2. Inspect nozzle/aerator. If dirty, clean or replace. 3. Check water filter by: A. Shut off stop valves and make sure water is completely OFF. B. Remove water filter and clean if necessary. C. Re-install water filter. 4. Check flow pin assembly by: A. Shut off stop valves and make sure water is completely OFF. B. Remove motor cover. C. Remove motor assembly. D. Remove and inspect flow pin assembly. Clean or replace components. E. Re-install all components and turn water stop valves back ON.
Water temperature is too high	1. Make sure stop valves are fully open. 2. Calibrate temperature adjustment in mixing valve to lower output temperature.
Water temperature is too low	1. Make sure stop valves are fully open. 2. Calibrate temperature adjustment in mixing valve to increase output temperature.

For Additional Assistance Contact Technical Support at 800-874-7822 or Visit our Website at www.AMTcorporation.com

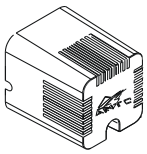
Identify Your Faucet System



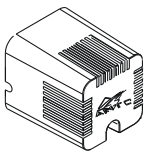
Identify Your Operating System



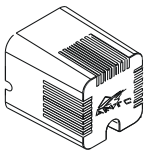
- Green Reset Button = 300 Series
- Red Reset Button = 300T Series



- Black Motor Cover = HYBRIDFLO®

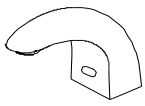


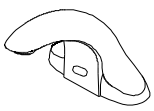
- Green Motor Cover = FIXEDFLO®

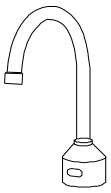


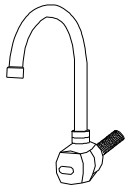
- Blue Motor Cover = HEALTHFLO®

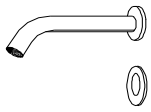
Identify Your Faucet Model

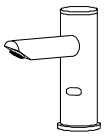

AEF-300

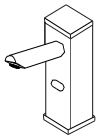

AEF-301


AEF-302


AEF-303


AEF-304


AEF-306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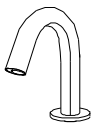
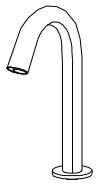
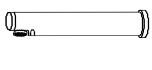

AEF-300T


AEF-302T

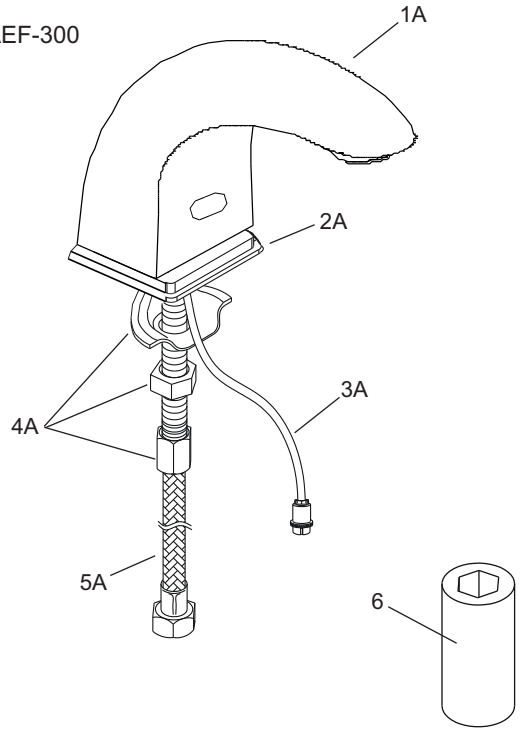

AEF-304T


AEF-305T

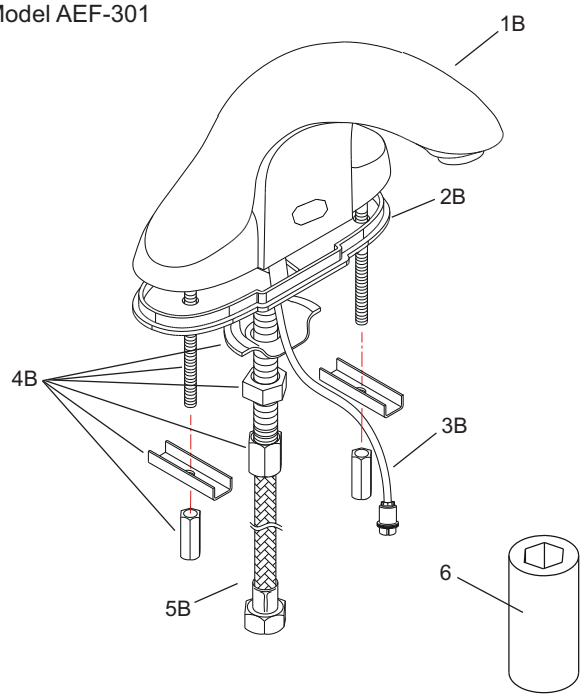
Spout Parts Diagrams

Make sure you identify your faucet system before referring to the Parts List.

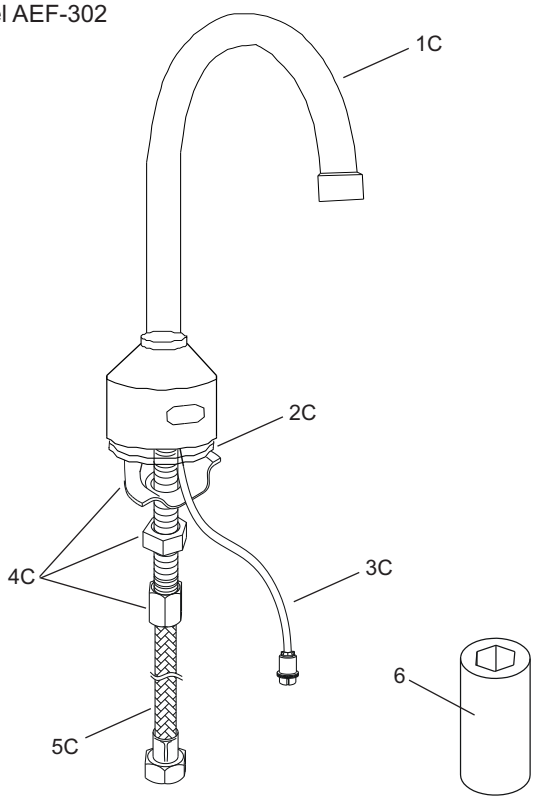
Model AEF-300



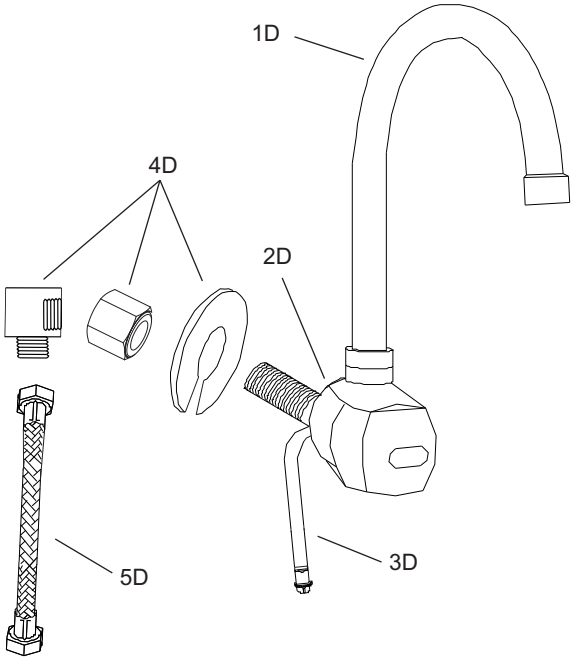
Model AEF-301



Model AEF-302



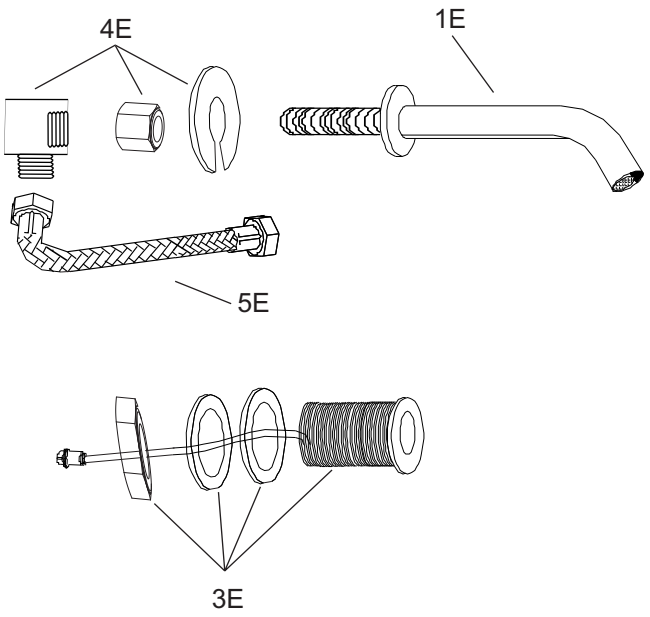
Model AEF-303



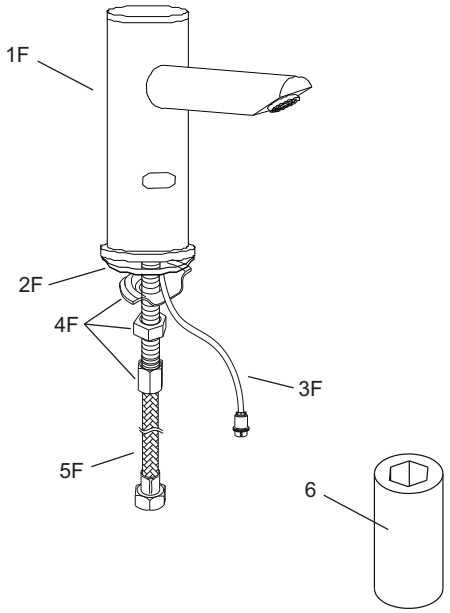
Spout Parts Diagrams

Make sure you identify your faucet system before referring to the Parts List.

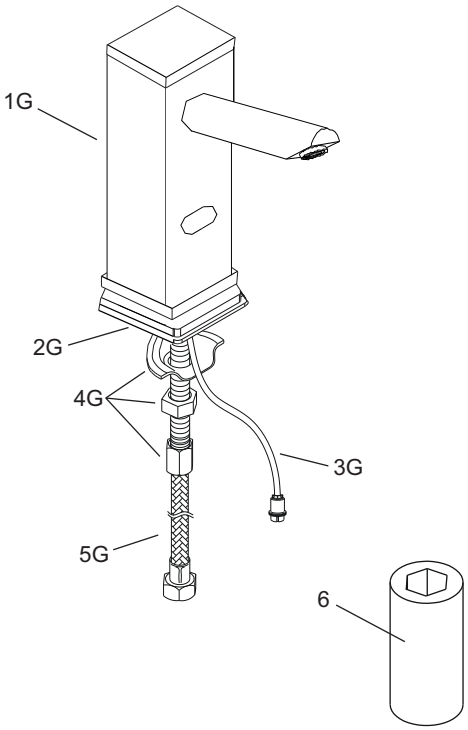
Model AEF-304



Model AEF-306



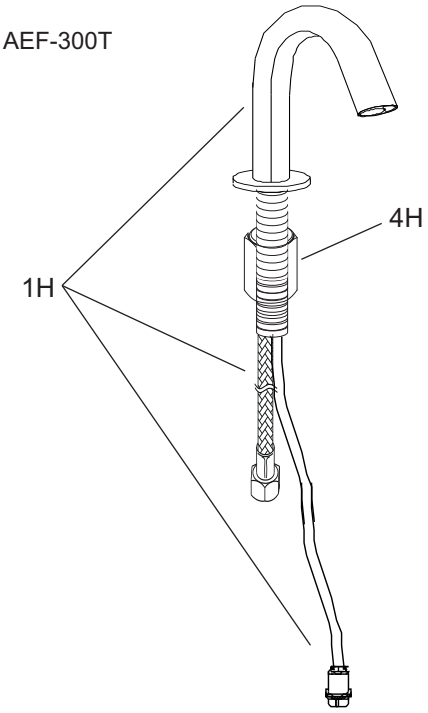
Model AEF-307



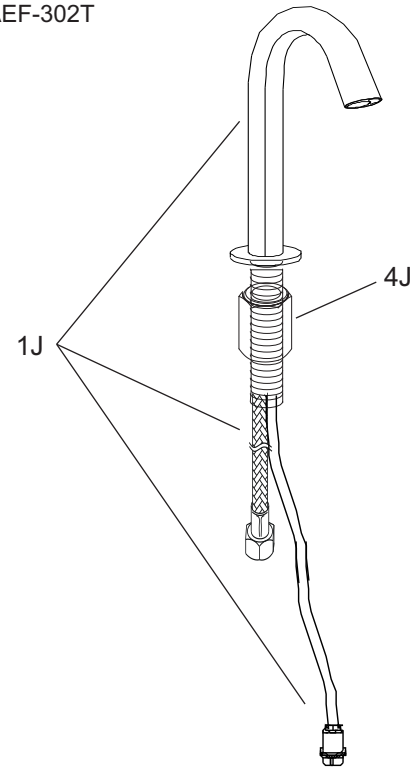
Spout Parts Diagrams

Make sure you identify your faucet system before referring to the Parts List.

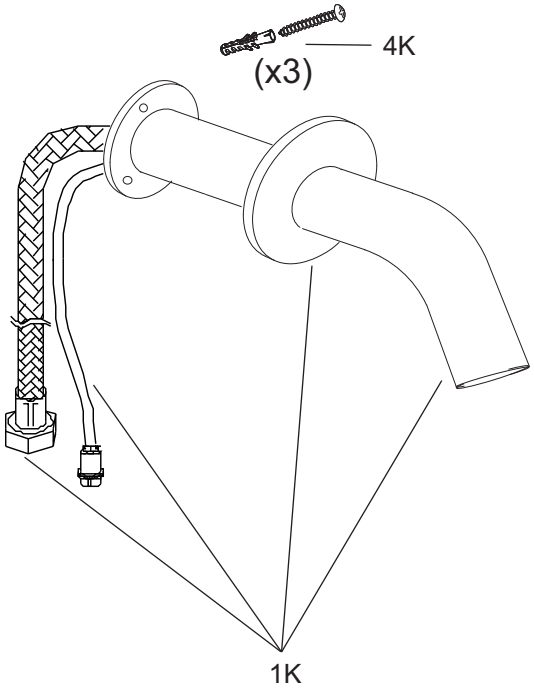
Model AEF-300T



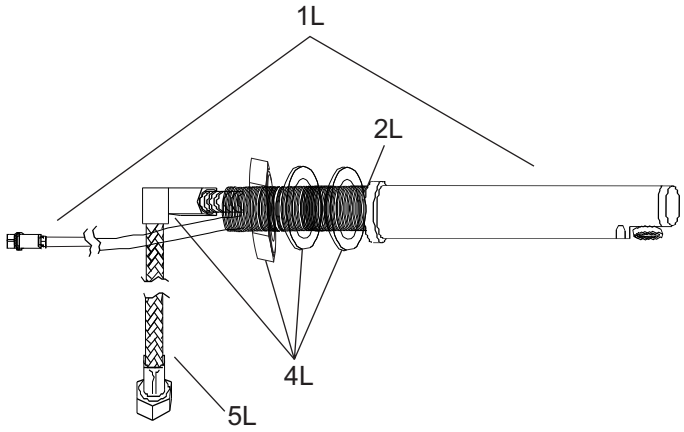
Model AEF-302T



Model AEF-304T



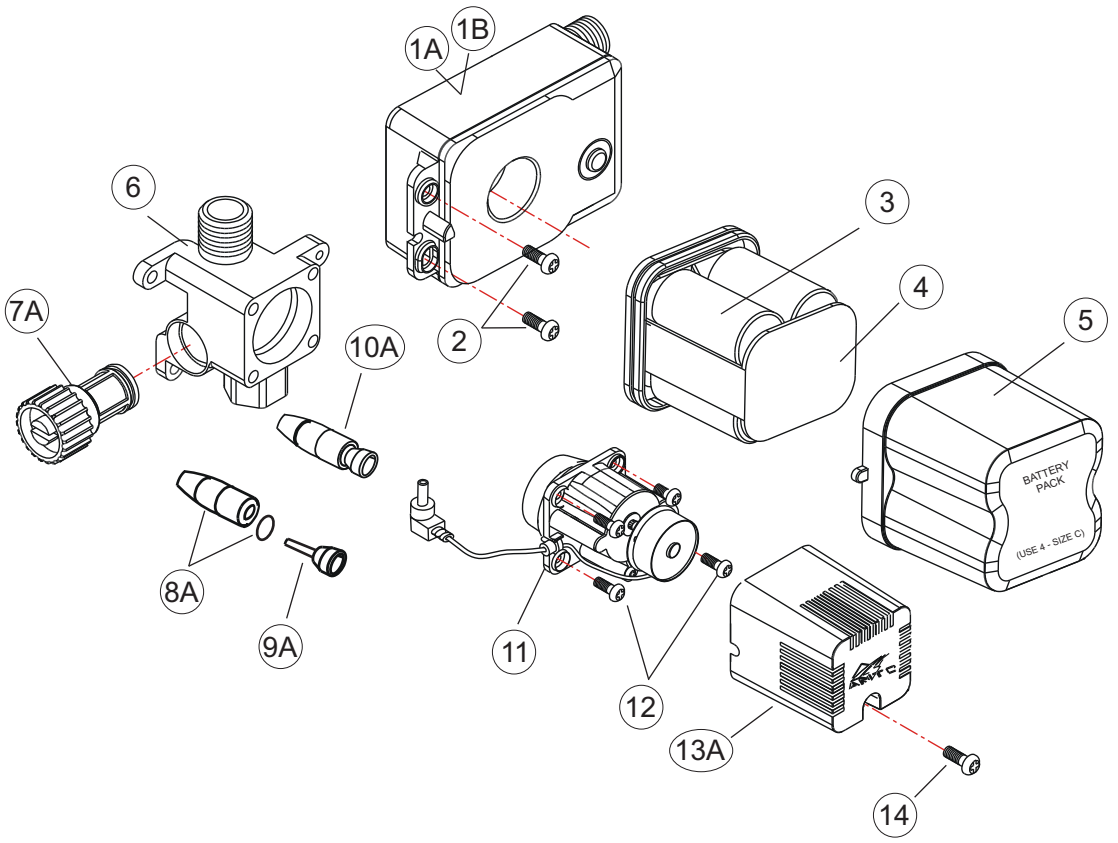
Model AEF-305T

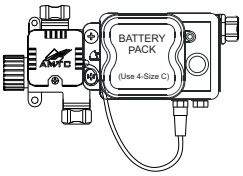
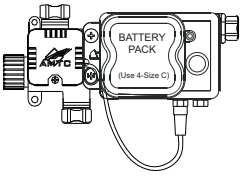


Spout Parts List

REF #	PART #	DESCRIPTION
1A	SP300	AEF-300 Deck Mounted Spout (Chrome Finish)
1H	SP300T	AEF-300T Deck Mounted Spout (Chrome Finish) - Includes Sensor Cable
1B	SP301	AEF-301Deck Mounted Spout (Chrome Finish)
1C	SP302	AEF-302 Deck Mount Gooseneck Spout (Chrome Finish)
1J	SP302T	AEF-302T Deck Mount Gooseneck Spout (Chrome Finish) - Includes Sensor Cable
1D	SP303	AEF-303 Back Mounted Gooseneck Spout (Chrome Finish)
1E	SP304	AEF-304 Back Mounted Spout (Chrome Finish)
1K	SP304T	AEF-304T Back Mounted Spout (Chrome Finish) - Includes Sensor Cable
1L	SP305T	AEF-305T Back Mounted Spout (Chrome Finish) - Includes Sensor Cable
1F	SP306	AEF-306 Deck Mounted Spout (Chrome Finish)
1G	SP307	AEF-307 Deck Mounted Spout (Chrome Finish)
2A	RB300	Rubber Base for AEF-300
2B	RB301	Rubber Base for AEF-301
2C	RB302	Rubber Base for AEF-302
2D	RB303	Rubber Base for AEF-303
2L	RB305T	Rubber Base for AEF-305T
2F	RB306	Rubber Base for AEF-306
2G	RB307	Rubber Base for AEF-307
3A	SCA300	Sensor Cable Assembly For AEF-300
3B	SCA301	Sensor Cable Assembly For AEF-301
3C	SCA302	Sensor Cable Assembly For AEF-302
3D	SCA303	Sensor Cable Assembly For AEF-303
3E	SCA304	Sensor Cable Assembly For AEF-304
3F	SCA306	Sensor Cable Assembly For AEF-306
3G	SCA307	Sensor Cable Assembly For AEF-307
4A	MH300	Mounting Hardware for AEF-300
4H	MH300T	Mounting Hardware for AEF-300T
4B	MH301	Mounting Hardware for AEF-301
4C	MH302	Mounting Hardware for AEF-302
4J	MH302T	Mounting Hardware for AEF-302T
4D	MH303	Mounting Hardware for AEF-303
4E	MH304	Mounting Hardware for AEF-304
4K	MH304T	Mounting Hardware for AEF-304T
4L	MH305T	Mounting Hardware for AEF-305T
4F	MH306	Mounting Hardware for AEF-306
4G	MH307	Mounting Hardware for AEF-307
5A	WFH300	Water Flex Hose for AEF-300
5B	WFH301	Water Flex Hose for AEF-301
5C	WFH302	Water Flex Hose for AEF-302
5D	WFH303	Water Flex Hose for AEF-303
5E	WFH304	Water Flex Hose for AEF-304
5L	WFH305T	Water Flex Hose for AEF-305T
5F	WFH306	Water Flex Hose for AEF-306
5G	WFH307	Water Flex Hose for AEF-307
6	WR	Installation Wrench

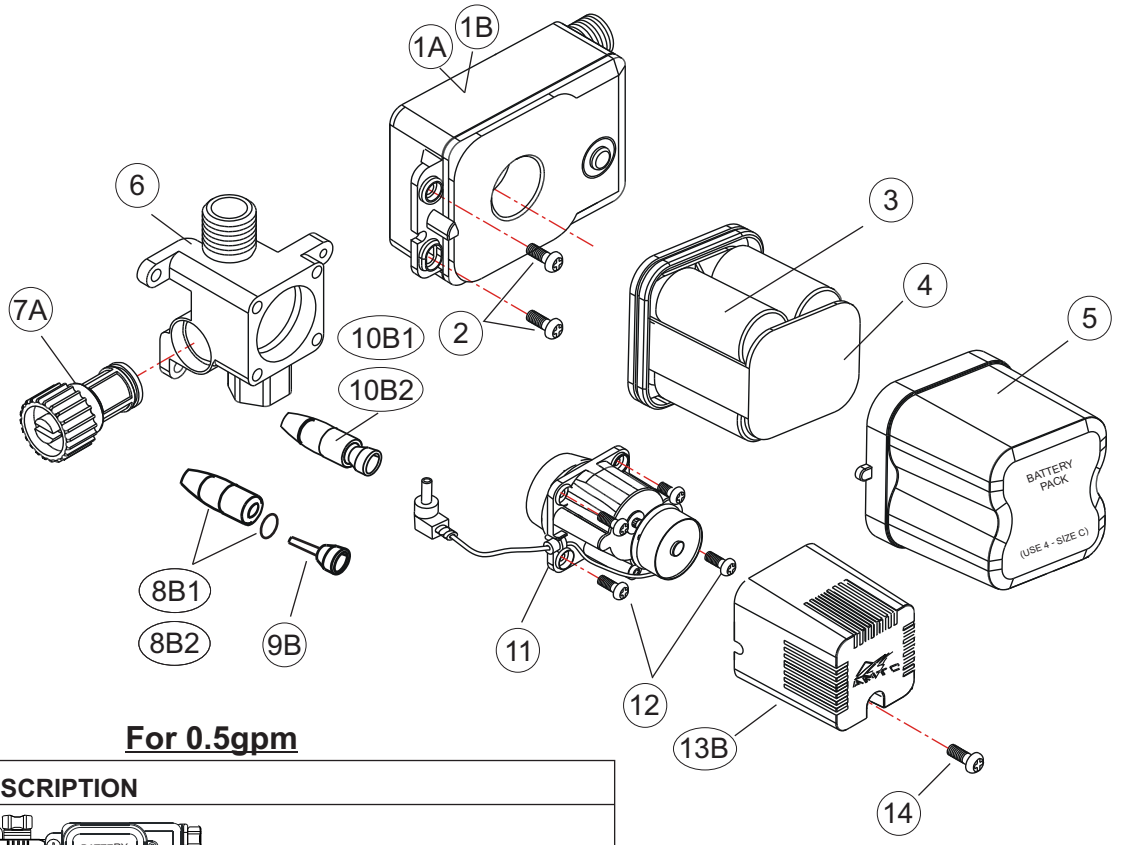
HYBRIDFLO® Operating System Parts List



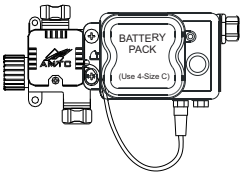
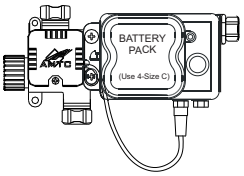
REF#	DESCRIPTION
15A1	 = HYBRIDFLO® Operating System (300 Series)
15A2	 = HYBRIDFLO® Operating System (300T Series)
16A	 = HYBRIDFLO® Maintenance Kit

REF #	PART #	DESCRIPTION
1A	CBA	Control Box Assembly for Models AEF-300, 301, 302, 303, 304, 306 - GREEN Button
1B	CBA-T	Control Box Assembly for Models AEF-300T, 302T, 304T & 305T Only - RED Button
2	SC3XX-2	Control Box Mounting Screws - Set of 2
3	CBAT	C Cell Alkaline Battery (Each)
4	BP	Battery Pack
5	BPC	Battery Pack Cover
6	VB	Valve Body
7A	WF	Water Filter Assembly
8A	BRVHY-P	HYBRIDFLO® Flow Pin
9A	BRVHY-B	HYBRIDFLO® Plunger
10A	BRVHY-PB	HYBRIDFLO® Flow Pin Assembly
11	MDA	Motor Drive Assembly
12	SC3XX-4	Motor Mounting Screws - Set of 4
13A	MCHY	Motor Cover for HYBRIDFLO® (Black Cover)
14	MCS	Motor Cover Screw
15A1	OSRK-HY	Operating System Replacement Kit for HYBRIDFLO® for Models AEF-300, 301, 302, 303, 304, 306 - GREEN Button
15A2	OSRKT-HY	Operating System Replacement Kit for HYBRIDFLO® - For models AEF-300T, 302T, 304T & 305T Only - RED Button
16A	MDA-BRVHY	HYBRIDFLO® Maintenance Kit

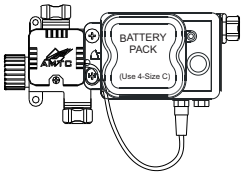
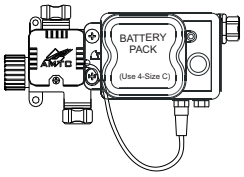
FIXEDFLO® Operating System Parts List



For 0.5gpm

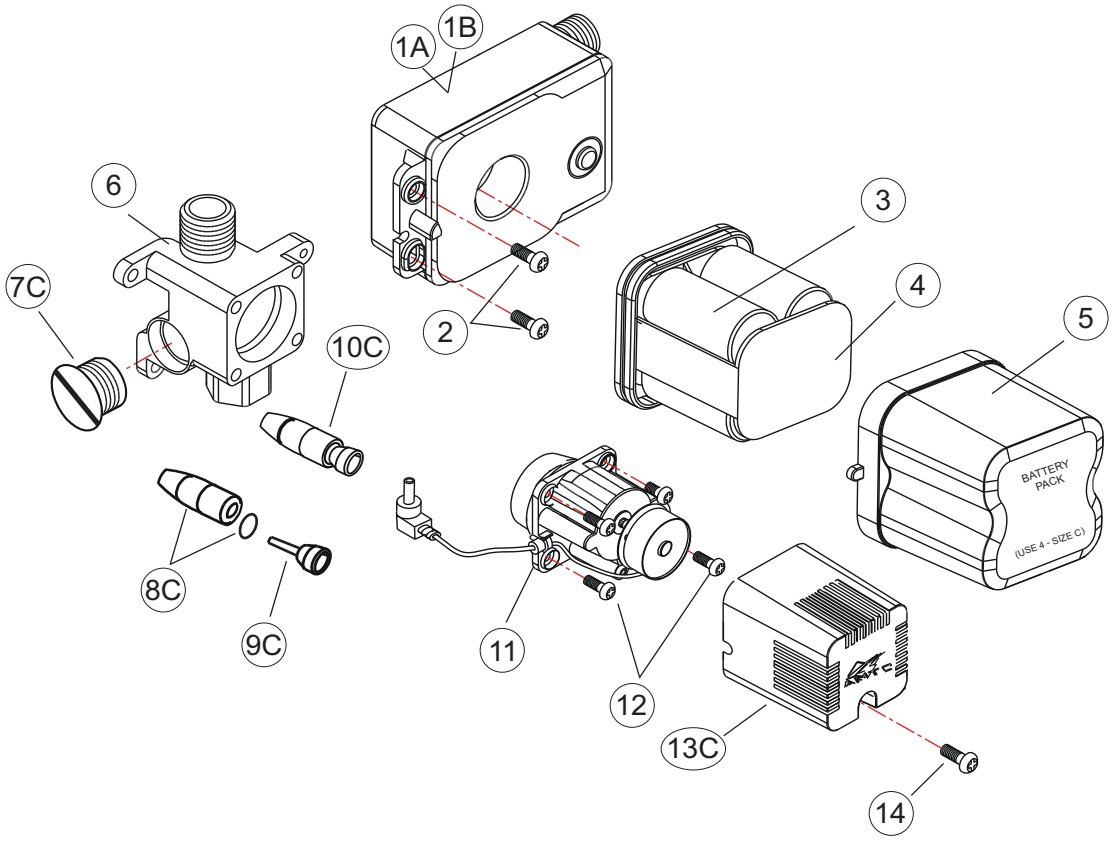
REF#	DESCRIPTION
15B1-1	 = FIXEDFLO® Operating System (300 Series)
15B2-1	 = FIXEDFLO® Operating System (300T Series)
16B-1	 = FIXEDFLO® Maintenance Kit

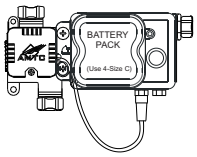
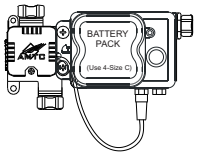
For 0.35gpm

REF#	DESCRIPTION
15B1-2	 = FIXEDFLO® Operating System (300 Series)
15B2-2	 = FIXEDFLO® Operating System (300T Series)
16B-2	 = FIXEDFLO® Maintenance Kit

REF #	PART #	DESCRIPTION
1A	CBA	Control Box Assembly for Models AEF-300, 301, 302, 303, 304, 306 - GREEN Button
1B	CBA-T	Control Box Assembly for Models AEF-300T, 302T, 304T & 305T Only - RED Button
2	SC3XX-2	Control Box Mounting Screws - Set of 2
3	CBAT	C Cell Alkaline Battery (Each)
4	BP	Battery Pack
5	BPC	Battery Pack Cover
6	VB	Valve Body
7A	WF	Water Filter Assembly
8B1	BRVFF-P-05	FIXEDFLO® Flow Pin - 0.5gpm
8B2	BRVFF-P-035	FIXEDFLO® Flow Pin - 0.35gpm
9B	BRVFF-B	FIXEDFLO® Plunger
10B1	BRVFF-PB-05	FIXEDFLO® Flow Pin Assembly - 0.5gpm
10B2	BRVFF-PB-035	FIXEDFLO® Flow Pin Assembly - 0.35gpm
11	MDA	Motor Drive Assembly
12	SC3XX-4	Motor Mounting Screws - Set of 4
13B	MCFF	Motor Cover for FIXEDFLO® (Green Cover)
14	MCS	Motor Cover Screw
15B1-1	OSRK-FF-05	Operating System Replacement Kit for FIXEDFLO® for Models AEF-300, 301, 302, 303, 304, 306 - GREEN Button - 0.5gpm
15B1-2	OSRK-FF-035	Operating System Replacement Kit for FIXEDFLO® for Models AEF-300, 301, 302, 303, 304, 306 - GREEN Button - 0.35gpm
15B2-1	OSRKT-FF-05	Operating System Replacement Kit for FIXEDFLO® - For models AEF-300T, 302T, 304T & 305T Only - RED Button - 0.5gpm
15B2-2	OSRKT-FF-035	Operating System Replacement Kit for FIXEDFLO® - For models AEF-300T, 302T, 304T & 305T Only - RED Button - 0.35gpm
16B-1	MDA-BRVFF-05	FIXEDFLO® Maintenance Kit - 0.5gpm
16B-2	MDA-BRVFF-035	FIXEDFLO® Maintenance Kit - 0.35gpm

HEALTHFLO® Operating System Parts List



REF#	DESCRIPTION
15C1	 = HEALTHFLO® Operating System (300 Series)
15C2	 = HEALTHFLO® Operating System (300T Series)
16C	 = HEALTHFLO® Maintenance Kit
17C	 = HEALTHFLO® Flow Control (Used Instead of an Aerator in Spout)

REF #	PART #	DESCRIPTION
1A	CBA	Control Box Assembly for Models AEF-300, 301, 302, 303, 304, 306 - GREEN Button
1B	CBA-T	Control Box Assembly for Models AEF-300T, 302T, 304T & 305T Only - RED Button
2	SC3XX-2	Control Box Mounting Screws - Set of 2
3	CBAT	C Cell Alkaline Battery (Each)
4	BP	Battery Pack
5	BPC	Battery Pack Cover
6	VB	Valve Body
7C	OSP	Operating System Plug
8C	BRVHF-P	HEALTHFLO® Flow Pin
9C	BRVHF-B	HEALTHFLO® Plunger
10C	BRVHF-PB	HEALTHFLO® Flow Pin Assembly
11	MDA	Motor Drive Assembly
12	SC3XX-4	Motor Mounting Screws - Set of 4
13C	MCHF	Motor Cover for HEALTHFLO® (Blue Cover)
14	MCS	Motor Cover Screw
15C1	OSRK-HF	Operating System Replacement Kit for HEALTHFLO® for Models AEF-300, 301, 302, 303, 304, 306 - GREEN Button
15C2	OSRKT-HF	Operating System Replacement Kit for HEALTHFLO® - For models AEF-300T, 302T, 304T & 305T Only - RED Button
16C	MDA-BRVHF	HEALTHFLO® Maintenance Kit
17C	HFFC	HEALTHFLO® Flow Control

Faucet System Accessories (SOLD SEPARATELY)

Part: AD01
Description: Plug-in 6 Volt AC Power Adapter

The plug-in 6-volt AC power adapter is used as an alternate power source with AMTC's sensor faucet systems. The AC adapter easily plugs into the faucet system to provide for many years of dependable operation and eliminates the need to routinely replace batteries. The AC adapter is recommended for high traffic facilities where the faucets get frequent use such as office buildings, airports, convention centers, schools, etc. When the AC power adapter is used in conjunction with the standard battery pack, the batteries become a back up power source that continues to power the faucet system in case of an electrical power failure.

AD01

Part: CP4, CP8, CP8-1
Description: Cover Plates (4", 8", 8" Extra-Long)

The cover plate is used with AMTC's sensor faucet systems. The cover plates are used in standard 4" or 8" center set applications.

CP4 CP8 CP8-1

Part: HG01
Description: Hydro-Powered Electric Generator

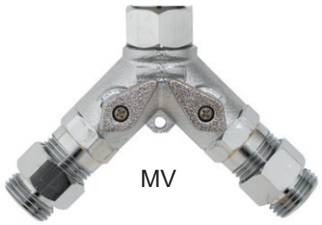
The Hydro-Powered Electric Generator is a device that is used as an alternate power source with AMTC's sensor faucet systems. The device easily adapts to the faucet system to provide for many years of dependable operation and eliminates the need to routinely replace batteries or use electrical power. The hydro-powered electric generator is recommended for high traffic facilities where the faucets get frequent use such as office buildings, restaurants, hospitals, schools, airports, convention centers, etc.

HG01

Part: MV
Description: Mechanical Mixing Valve

The MV is used as a water mixing device with AMTC's sensor faucet systems. Mechanical Mixing valves (MV) are used in applications where hot and cold water mixing is needed. The MV provides water at a safe and usable temperature in situations where the control of the temperature of the water discharging from a terminal fitting is of the utmost importance, i.e. within airports, convention centers, schools, nursing homes, etc.

The valve is designed to mix the flow of water discharging from the water outlets. The Mechanical Mixing Valve (MV) is complete with check valves at both hot and cold inlets and is made of low lead brass.



MV

Part: TMV
Description: Thermostatic Mixing Valve

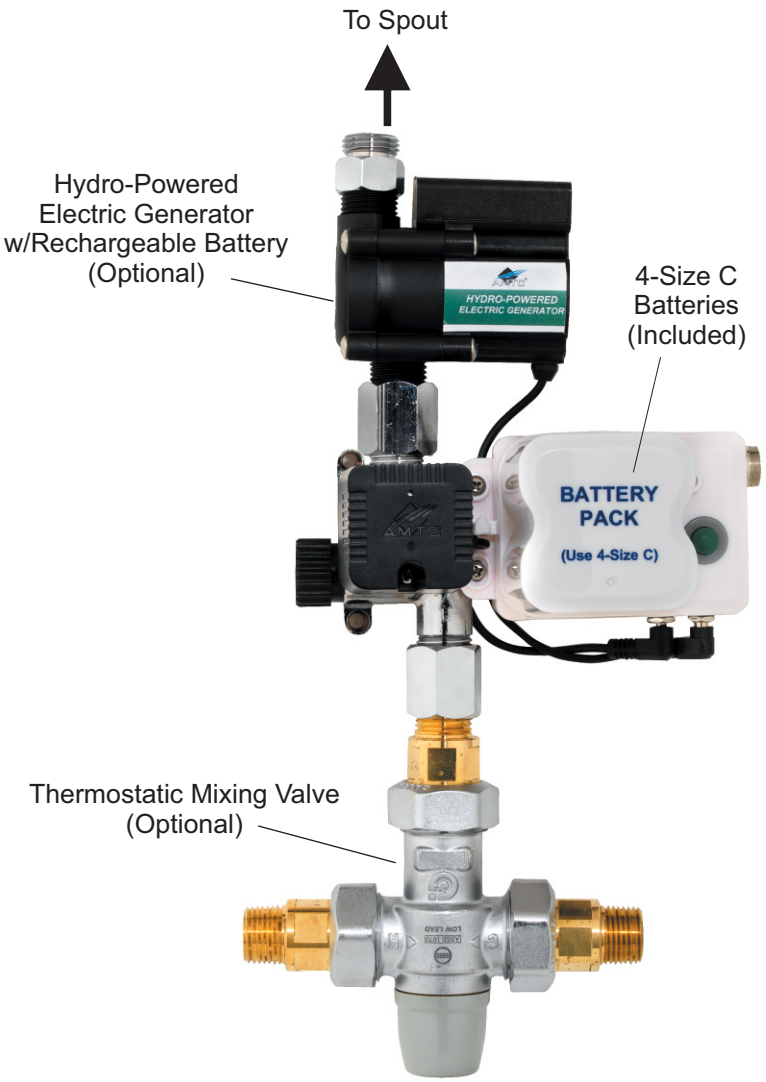
The TMV is used as a water mixing device with AMTC's sensor faucet systems. Thermostatic mixing valves (TMV) are used in applications where hot and cold water mixing is needed and where the user must be protected from the danger of scalding caused by hot water or where required by law. The TMV provides water at a safe and usable temperature in situations where the control of the temperature of the water discharging from a terminal fitting is of the utmost importance, i.e. within restaurants, hospitals, schools, airports, convention centers, nursing homes, etc.

The valve is designed to mix the flow of water discharging from the water outlets. The Thermostatic Mixing Valve (TMV) is complete with check valves at both hot and cold inlets and is made of low lead brass.

TMV

Optional Accessories Setup

*Faucet system pictured with optional thermostatic mixing valve and hydro-generator installed



Optional water mixing and power options available:

Part: MV
Mechanical
Mixing Valve

Part: TMV
Thermostatic
Mixing Valve

Part: AD01
6 VAC Power Adapter

Part: AD01-3
6 VAC Power Adapter
w/Daisy Chain Extension

Part: HG01
Hydro-Powered
Electric Generator

Warranty

AMTC WARRANTS ITS PRODUCTS TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF FIVE (5) YEARS FROM DATE OF PURCHASE, WHEN PROPERLY INSTALLED AND UNDER NORMAL USE AND SERVICE. THESE PROVISIONS DO NOT INCLUDE THE BATTERIES SHIPPED WITH THE PRODUCTS. A DEFECTIVE PRODUCT MAY BE RETURNED TO AMTC OR ITS AUTHORIZED REPRESENTATIVES WITHIN FIVE (5) YEARS FROM DATE OF PURCHASE WITH THE PROPER INVOICE OF PURCHASE. AMTC, AT ITS DISCRETION, WILL REPLACE OR REPAIR DEFECTIVE PRODUCT AT NO CHARGE. CLAIMS FOR LABOR, TRANSPORTATION, AND ANY OTHER INCIDENTAL COSTS WILL NOT BE ALLOWED. AMTC WILL NOT BE RESPONSIBLE FOR ANY CONSIDERABLE DAMAGES OF ANY KIND WHATSOEVER.

FOR TECHNICAL SUPPORT PLEASE CALL TOLL FREE 1-800-874-7822 OR VISIT OUR WEBSITE AT WWW.AMTCORPORATION.COM

MAKE SURE TO VISIT OUR WEBSITE PERIODICALLY FOR INFORMATION ON NEW PRODUCTS AND TO DOWNLOAD ANY IMPORTANT PRODUCT DOCUMENTS THAT YOU MAY NEED IN THE FUTURE.

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