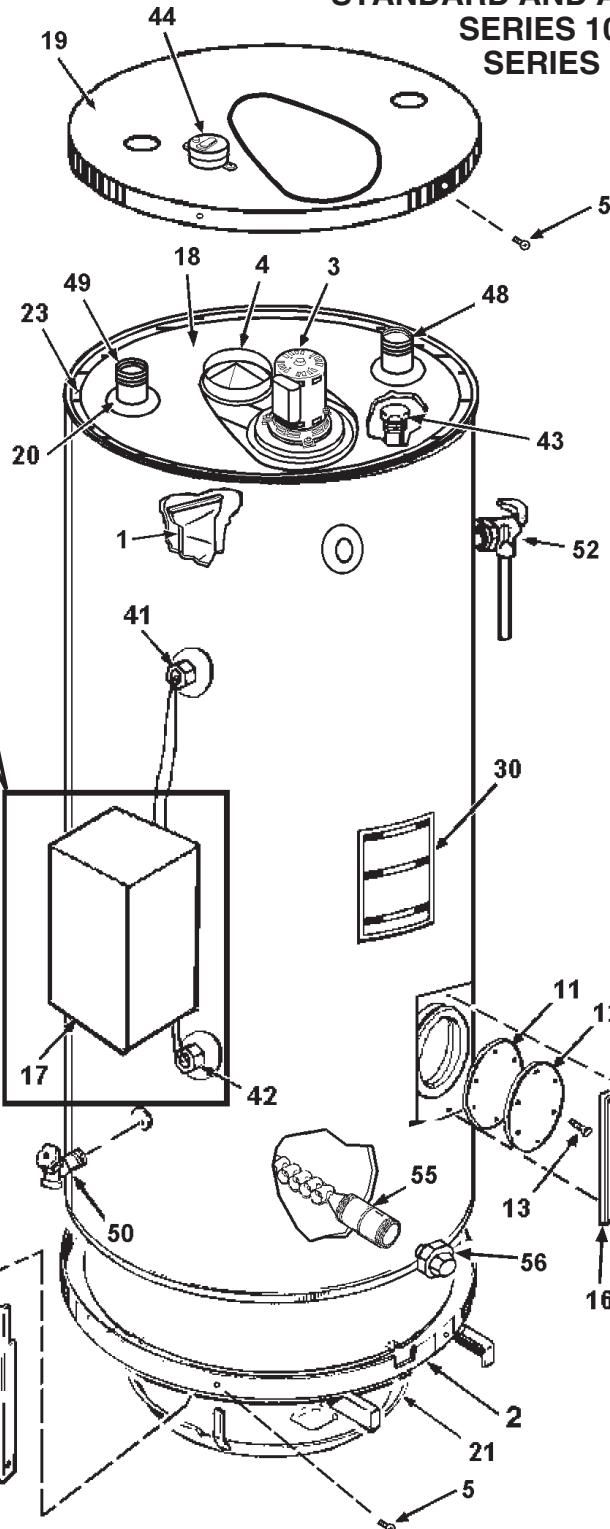
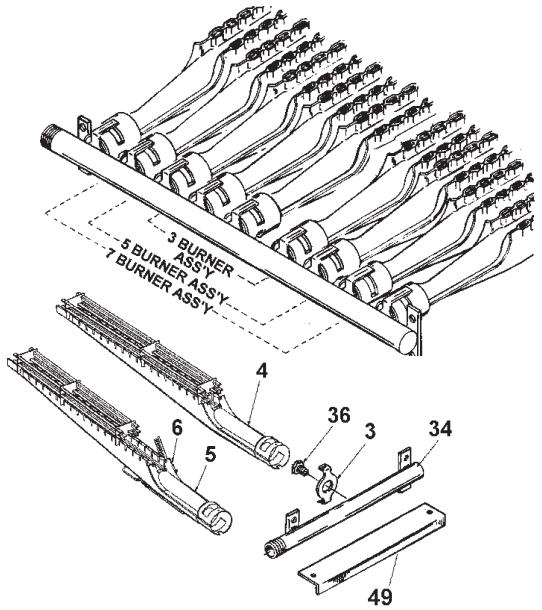
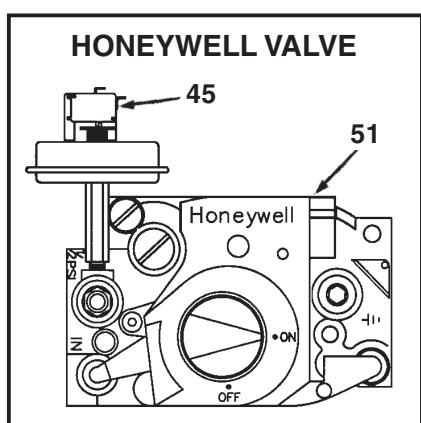
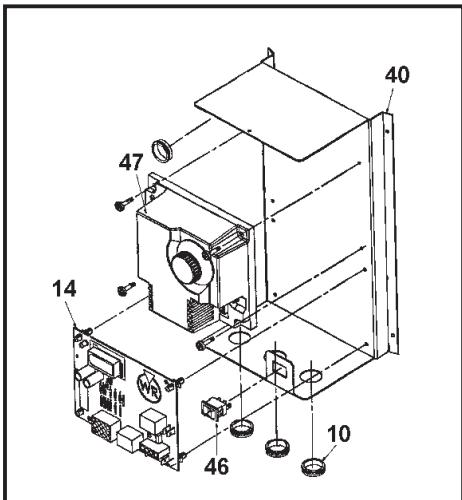


**COMMERCIAL TANK TYPE WATER HEATER  
 REPLACEMENT PARTS LIST**

**MODELS BTI 120 thru 400/A:  
 STANDARD AND ASME (A)  
 SERIES 100 - NAT.  
 SERIES 101 - L.P.**



**A.O. SMITH WATER PRODUCTS CO., INC.**

5621 W. 115TH STREET • ALSIP, ILLINOIS 60803

PHONE: 1-800-433-2545 • FAX: 1-800-433-2515

website: [www.hotwater.com](http://www.hotwater.com) • email: [parts@hotwater.com](mailto:parts@hotwater.com)

Item	Description	BTI 120	BTI 154	BTI 180	BTI 199	BTI 200/A
1	Baffle, Flue .....	192199-5 .....	194732 .....	194732 .....	194732 .....	194715
2	Base, Jacket Assembly .....	193863 .....	193863 .....	194166 .....	194166 .....	194068
	<b>Blower Assembly</b>					
3	Blower .....	194408 .....	194408 .....	194408 .....	194408 .....	194408
4	Outlet Assembly, Exhaust .....	194424 .....	194424 .....	194424 .....	194424 .....	194424
5	Screw, TEK .....	194613 .....	194613 .....	194613 .....	194613 .....	194613
6	Burner, Orifice Bracket, Main .....	98044 .....	98044 .....	98044 .....	98044 .....	98044
7	Burner Orifice, Main (Nat.) .....	76243-32 .....	76243-30 .....	76243-35 .....	76243-32 .....	76243-32
	Burner Orifice, Main (L.P.) .....	76243-49 .....	76243-46 .....	76243-50 .....	76243-49 .....	76243-48
8	Burner Assembly, Main .....	<u>192322</u> .....	<u>192322</u> .....	<u>192322</u> .....	<u>192322</u> .....	<u>98047</u>
9	Burner w/Ignitor Bracket, Main .....	194630 .....	194630 .....	194630 .....	194630 .....	194717
10	Bushing .....	193404 .....	193404 .....	193404 .....	193404 .....	193404
	<b>Cleanout Assembly</b>					
11	Gasket .....	<u>99038</u> .....	<u>99038</u> .....	<u>99038</u> .....	<u>99038</u> .....	<u>99038</u>
12	Pressure Plate .....	99037 .....	99037 .....	99037 .....	99037 .....	99037
#13	Screws, Machine .....	69852-1(6) .....	69852-1(6) .....	69852-1(6) .....	69852-1(6) .....	69852-1(6)
14	Control, Ignition Board .....	<u>194392</u> .....	<u>194392</u> .....	<u>194392</u> .....	<u>194392</u> .....	<u>194392</u>
15	Cover, Burner .....	98185 .....	98185 .....	98185-3 .....	98185-3 .....	98185-3
16	Cover, Cleanout .....	181260 .....	181260 .....	181260 .....	181260 .....	181260
17	Cover, Control Box .....	194395 .....	194395 .....	194395 .....	194395 .....	194395
18	Cover, Inner .....	194514-4 .....	194514-3 .....	194514-1 .....	194514-1 .....	194388-3
19	Cover, Jacket .....	194523 .....	194523 .....	194523 .....	194523 .....	194389
20	Collar, Pipe Nipple .....	74060 .....	74060 .....	74060 .....	74060 .....	74060
21	Floor Shield Assembly .....	193864-1 .....	193864-1 .....	193864-1 .....	193864-1 .....	193984
22	Ignitor, Flame Sensor .....	<u>194405</u> .....	<u>194405</u> .....	<u>194405</u> .....	<u>194405</u> .....	<u>194405</u>
23	Insulation, Top .....	194439 .....	194439 .....	194439 .....	194439 .....	194439
*24	Cleanout .....	193914 .....	193914 .....	193914 .....	193914 .....	193914
*25	Flammable Vapors .....	192872 .....	192872 .....	192872 .....	192872 .....	192872
*26	Help Line .....	190600 .....	190600 .....	190600 .....	190600 .....	190600
*27	Instruction .....	170345 .....	170345 .....	170345 .....	170345 .....	170345
*28	Instruction, Bilingual .....	193912 .....	193912 .....	193912 .....	193912 .....	193912
*29	Instruction, ECO .....	192282-1 .....	192282-1 .....	192282-1 .....	192282-1 .....	192282-1
30	L&O Label .....	194401 .....	194401 .....	194401 .....	194401 .....	194401
*31	Master Fit .....	193859 .....	193859 .....	193859 .....	193859 .....	193859
*32	Relief Valve .....	200042 .....	200042 .....	200042 .....	200042 .....	200042
*33	Ultra Coat .....	193860 .....	193860 .....	193860 .....	193860 .....	193860
*34	Water Inlet .....	161040 .....	161040 .....	161040 .....	161040 .....	161040
*35	Water Outlet .....	161040-1 .....	161040-1 .....	161040-1 .....	161040-1 .....	161040-1
*36	Wiring Diagram .....	194400 .....	194400 .....	194400 .....	194400 .....	194400
37	Leg .....	194115 .....	194115 .....	194115 .....	194115 .....	194115
38	Manifold .....	76244 .....	76244 .....	76244-2 .....	76244-2 .....	76244-2
*39	Manual, Instruction .....	194780 .....	194780 .....	194780 .....	194780 .....	194780
40	Plate, Mounting .....	194391 .....	194391 .....	194391 .....	194391 .....	194391
41	Probe/ECO, Upper Thermostat .....	<u>194396</u> .....	<u>194396</u> .....	<u>194396</u> .....	<u>194396</u> .....	<u>194396</u>
42	Probe/Lower Thermostat .....	<u>194397</u> .....	<u>194397</u> .....	<u>194397</u> .....	<u>194397</u> .....	<u>194397</u>
43	Rod, Anode .....	180618-42 .....	180618-42 .....	180618-42 .....	180618-42 .....	180618-42
44	Switch, Blower/Prover .....	<u>194411</u> .....	<u>194411</u> .....	<u>194411</u> .....	<u>194411</u> .....	<u>194411</u>
45	Switch, Low Gas Pressure .....	<u>191149-5</u> .....	<u>191149-5</u> .....	<u>191149-5</u> .....	<u>191149-5</u> .....	<u>191149-5</u>
46	Switch, Off/On .....	193243 .....	193243 .....	193243 .....	193243 .....	193243
47	Thermostat, Digital .....	194393 .....	194393 .....	194393 .....	194393 .....	194393
48	Tube, Inlet .....	192626-1 .....	192626-1 .....	192626-1 .....	192626-1 .....	192626-1
49	Tube, Outlet .....	192627-1 .....	192627-1 .....	192627-1 .....	192627-1 .....	192627-1
50	Valve, Drain .....	<u>26273-6</u> .....	<u>26273-6</u> .....	<u>26273-6</u> .....	<u>26273-6</u> .....	<u>26273-6</u>
51	Valve, Gas - (Nat.) .....	<u>194536-1</u> .....	<u>194536-1</u> .....	<u>194536-1</u> .....	<u>194536-1</u> .....	<u>194536-1</u>
	Valve, Gas - (L.P.) .....	<u>194536-3</u> .....	<u>194536-3</u> .....	<u>194536-3</u> .....	<u>194536-3</u> .....	<u>194536-3</u>
52	Valve, T&P .....	<u>192467</u> .....	<u>192467</u> .....	<u>192467</u> .....	<u>192467</u> .....	<u>192467</u>
*53	Wire Harness - Control (Nat.) .....	194545 .....	194545 .....	194545 .....	194545 .....	194545
	Wire Harness - Control (LP) .....	194399 .....	194399 .....	194399 .....	194399 .....	194399
*54	Wire Harness - Power .....	194398 .....	194398 .....	194398 .....	194398 .....	194398
55	The Eliminator .....	195100 .....	195098 .....	195098 .....	195098 .....	195098
56	(1 1/2") galvanized pipe union .....	195127 .....	195127 .....	195127 .....	195127 .....	195127

Item	Description	BTI 250/A	BTI 275/A	BTI 310/A	BTI 366/A	BTI 400/A
1	Baffle, Flue .....	194718 .....	194715 .....	194705 .....	194705 .....	194705
2	Base, Jacket Assembly .....	194068 .....	194068 .....	193986 .....	193986 .....	193986
	<b>Blower Assembly:</b>					
3	Blower .....	194408 .....	194408 .....	194408 .....	194408 .....	194408
4	Outlet Assembly, Exhaust .....	194424 .....	194424 .....	194424 .....	194424 .....	194424
5	Screw, TEK .....	194613 .....	194613 .....	194613 .....	194613 .....	194613
6	Burner, Orifice Bracket, Main .....	98044 .....	98044 .....	98044 .....	98044 .....	98044
7	Burner Orifice, Main (Nat.) .....	76243-30 .....	76243-29 .....	76243-35 .....	76243-32 .....	76243-31
	Burner Orifice, Main (L.P.) .....	76243-45 .....	76243-44 .....	76243-51 .....	76243-49 .....	76243-48
8	Burner Assembly, Main .....	<u>98047</u> .....	<u>98047</u> .....	<u>192322</u> .....	<u>192322</u> .....	<u>192322</u>
9	Burner w/Ignitor Bracket, Main .....	194717 .....	194717 .....	194717 .....	194611 .....	194611
10	Bushing .....	193404 .....	193404 .....	193404 .....	193404 .....	193404
	<b>CLEANOUT Assembly:</b>					
11	Gasket .....	<u>99038</u> .....	<u>99038</u> .....	<u>99038</u> .....	<u>99038</u> .....	<u>99038</u>
12	Pressure Plate .....	99037 .....	99037 .....	99037 .....	99037 .....	99037
#13	Screws, Machine .....	69852-1(6) .....	69852-1(6) .....	69852-1(6) .....	69852-1(6) .....	69852-1(6)
14	Control, Ignition Assembly .....	<u>194392</u> .....	<u>194392</u> .....	<u>194392</u> .....	<u>194392</u> .....	<u>194392</u>
15	Cover, Burner .....	98185-3 .....	98185-3 .....	98185-4 .....	98185-4 .....	98185-4
16	Cover, Cleanout .....	181260 .....	181260 .....	181260 .....	181260 .....	181260
17	Cover, Control Box .....	194395 .....	194395 .....	194395 .....	194395 .....	194395
18	Cover, Inner .....	194388-5 .....	194388-5 .....	194388-5 .....	194388-5 .....	194388-5
19	Cover, Jacket .....	194389 .....	194389 .....	194389 .....	194389 .....	194389
20	Collar, Pipe Nipple .....	74060 .....	74060 .....	74060 .....	74060 .....	74060
21	Floor Shield Assembly .....	193984 .....	193984 .....	193984 .....	193984 .....	193984
22	Ignitor, Flame Sensor .....	<u>194405</u> .....	<u>194405</u> .....	<u>194405</u> .....	<u>194405</u> .....	<u>194405</u>
23	Insulation, Top .....	194439 .....	194439 .....	194439 .....	194439 .....	194439
	<b>LABELS:</b>					
*24	Cleanout .....	193914 .....	193914 .....	193914 .....	193914 .....	193914
*25	Flammable Vapors .....	192872 .....	192872 .....	192872 .....	192872 .....	192872
*26	Help Line .....	190600 .....	190600 .....	190600 .....	190600 .....	190600
*27	Instruction .....	170345 .....	170345 .....	170345 .....	170345 .....	170345
*28	Instruction, Bilingual .....	193912 .....	193912 .....	193912 .....	193912 .....	193912
*29	Instruction, ECO .....	192282-1 .....	192282-1 .....	192282-1 .....	192282-1 .....	192282-1
30	L&O Label .....	194401 .....	194401 .....	194401 .....	194401 .....	194401
*31	Master Fit .....	193859 .....	193859 .....	193859 .....	193859 .....	193859
*32	Relief Valve .....	200042 .....	200042 .....	200042 .....	200042 .....	200042
*33	Ultra Coat .....	193860 .....	193860 .....	193860 .....	193860 .....	193860
*34	Water Inlet .....	161040 .....	161040 .....	161040 .....	161040 .....	161040
*35	Water Outlet .....	161040-1 .....	161040-1 .....	161040-1 .....	161040-1 .....	161040-1
*36	Wiring Diagram .....	194400 .....	194400 .....	194400 .....	194400 .....	194400
37	Leg .....	194115 .....	194115 .....	194115 .....	194115 .....	194115
38	Manifold .....	76244-2 .....	76244-2 .....	76244-4 .....	76244-4 .....	76244-4
*39	Manual, Instruction .....	194780 .....	194780 .....	194780 .....	194780 .....	194780
40	Plate, Mounting .....	194391 .....	194391 .....	194391 .....	194391 .....	194391
41	Probe/ECO, Upper Thermostat .....	194396 .....	194396 .....	194396 .....	194396 .....	194396
42	Probe/Lower Thermostat .....	<u>194397</u> .....	<u>194397</u> .....	<u>194397</u> .....	<u>194397</u> .....	<u>194397</u>
43	Rod, Anode .....	180618-42 .....	180618-42 .....	180618-42 .....	180618-42 .....	180618-42
44	Switch, Blower Prover .....	<u>194411</u> .....	<u>194411</u> .....	<u>194411</u> .....	<u>194411</u> .....	<u>194411</u>
45	Switch, Low Gas Pressure .....	<u>191149-5</u> .....	<u>191149-5</u> .....	<u>191149-5</u> .....	<u>191149-5</u> .....	<u>191149-5</u>
46	Switch, Off/On .....	193243 .....	193243 .....	193243 .....	193243 .....	193243
47	Thermostat, Digital .....	194393 .....	194393 .....	194393 .....	194393 .....	194393
48	Tube, Inlet .....	192626-1 .....	192626-1 .....	192626-1 .....	192626-1 .....	192626-1
49	Tube, Outlet .....	192627-1 .....	192627-1 .....	192627-1 .....	192627-1 .....	192627-1
50	Valve, Drain .....	<u>26273-6</u> .....	<u>26273-6</u> .....	<u>26273-6</u> .....	<u>26273-6</u> .....	<u>26273-6</u>
51	Valve, Gas - (Nat.) .....	<u>194536-1</u> .....	<u>194536-1</u> .....	<u>194536</u> .....	<u>194536</u> .....	<u>194536</u>
	Valve, Gas - (L.P.) .....	<u>194536-3</u> .....	<u>194536-3</u> .....	<u>194536-2</u> .....	<u>194536-2</u> .....	<u>194536-2</u>
52	Valve, T&P .....	<u>192467</u> .....	<u>192467</u> .....	<u>192467</u> .....	<u>192467</u> .....	<u>192467</u>
*53	Wire Harness - Control (Nat.) .....	194545 .....	194545 .....	194545 .....	194545 .....	194545
	Wire Harness - Control (L.P.) .....	<u>194399</u> .....	<u>194399</u> .....	<u>194399</u> .....	<u>194399</u> .....	<u>194399</u>
*54	Wire Harness - Power .....	194398 .....	194398 .....	194398 .....	194398 .....	194398
55	The Eliminator .....	195098 .....	195098 .....	195098 .....	195098 .....	195098
56	(1 1/2") galvanized pipe union .....	195127 .....	195127 .....	195127 .....	195127 .....	195127

\*Items not illustrated. # Quantities shown in parenthesis next to part number. TBD To be determined.

Part numbers underlined are recommended stock items for emergency replacement. (Consider gas used in your area only).

Requests from PSD by giving all information such as model and series number, type of gas and specifications.