BRADFORD WHITE®
WATER HEATERS

Residential Electric Replacement Parts List

Upright, Lowboy, & High Efficiency Upright Models

Models Covered:

RE2(40,50)S*
RE3(30,40,50)S*
RE2(50,55)T*
RE250T* Alternate
RE2(40,50)L*
RE1(20,30)L*
RE2(30,40,50)L(N)
RE3(40,50,80,120)T*
RE340R*

***Denotes warranty year**

Effective: July, 2025
ECO 8872

NOTE: BOTH MODEL AND SERIAL NUMBERS ARE REQUIRED FOR ORDERING REPLACEMENT PARTS

Dimensions and specifications subject to change without notice.

WARNING
CANCER AND REPRODUCTIVE HARM
WWW.P65WARNINGS.CA.GOV

As required by the state of California Proposition 65.

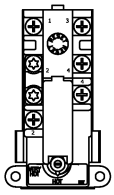
Parts Book #238-51382-00AA

Save this manual for future reference

TOP LOCATION

- Double element water heater, non-simultaneous single phase and three phase operation.

59T66T



415-51046-00

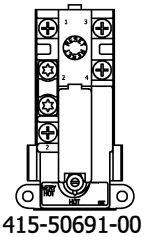
TOP LOCATION

- Double element water heater, simultaneous operation.

BOTTOM LOCATION

- Single element water heater.
- Double element water heater, non-simultaneous three phase operation.
- Double element water heater, simultaneous operation.

59T66T

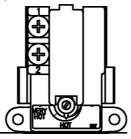


415-50691-00

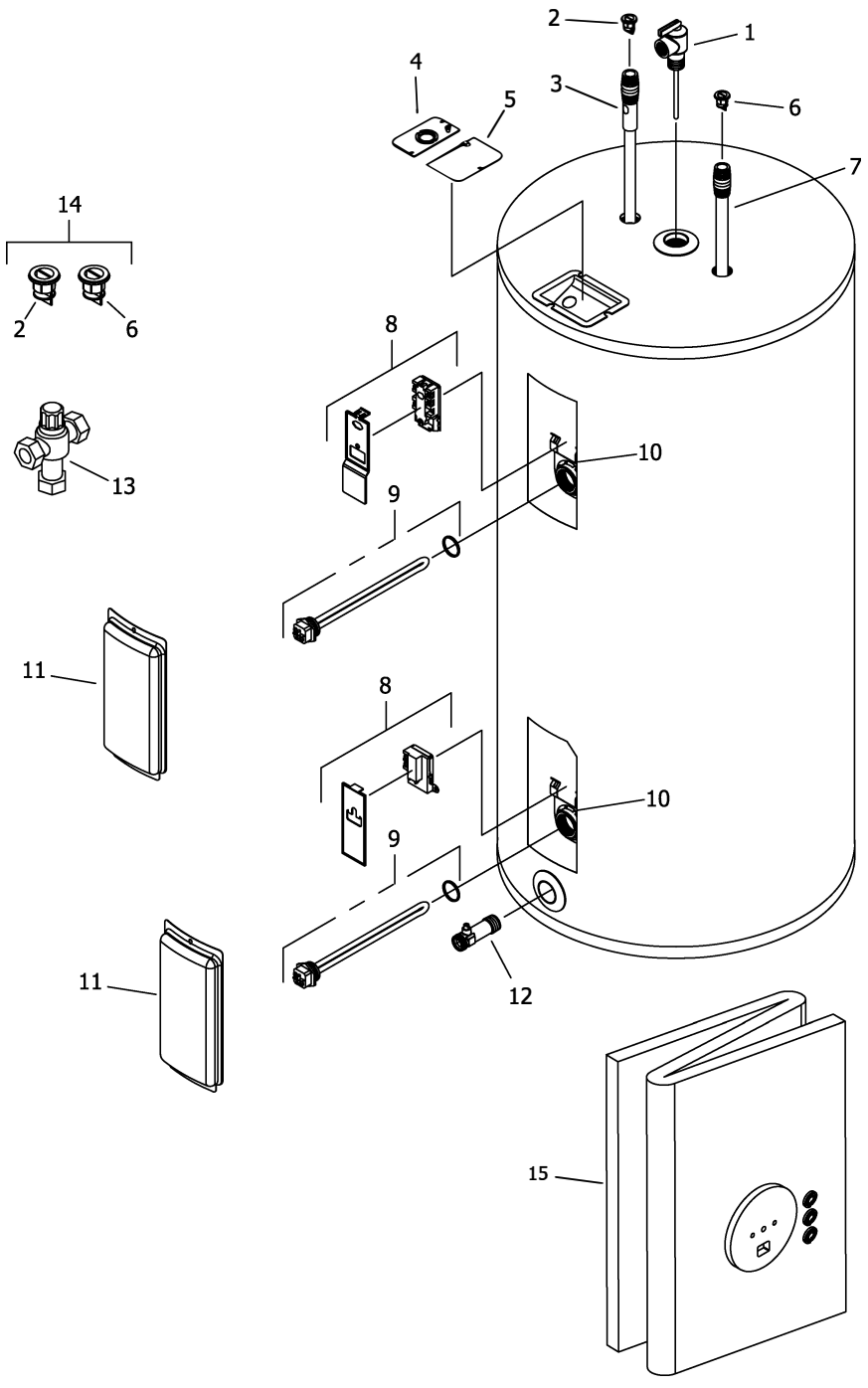
BOTTOM LOCATION

- Double element water heater, non-simultaneous single phase operation

59T



415-51046-00

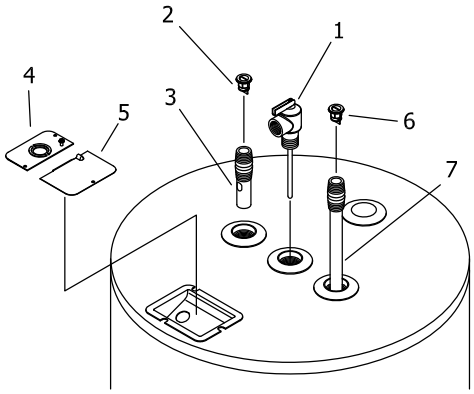


BRADFORD WHITE WATER HEATERS

Item	Description	Model RE240S	Model RE250S	Model RE330S	Model RE340S	Model RE350S	Model RE340R
1	T&P Relief Valve	415-40594-02	415-40594-02	415-40594-02	415-40594-02	415-40594-02	415-40594-02
2	Heat Trap Insert (Outlet)	415-45167-00	415-45167-00	415-45167-00	415-45167-00	415-45167-00	415-45167-00
3	Hot Water Outlet Segmented Anode (Magnesium) ♦#	415-55482-00	415-55482-00	415-55482-00	415-55482-00	415-55482-00	415-55482-00
	Hot Water Outlet Segmented Anode (Aluminum) ♦#	415-55484-00	415-55484-00	415-55484-00	415-55484-00	415-55484-00	415-55484-00
	Hot Water Outlet Segmented Anode (A420 Aluminum) ♦#	415-55486-00	415-55486-00	415-55486-00	415-55486-00	415-55486-00	415-55486-00
4	Cover Conduit/Ground w/ Ground Screw	239-55386-00	239-55386-00	239-55386-00	239-55386-00	239-55386-00	239-55386-00
5	Cover Junction Box	221-39452-00	221-39452-00	221-39452-00	221-39452-00	221-39452-00	221-39452-00
6	Heat Trap Insert (Inlet)	415-51556-00	415-51556-00	415-51556-00	415-51556-00	415-51556-00	415-51556-00
7	Cold Water Inlet Tube PEX ♦♦	415-51230-21	415-51230-21	415-51230-21	415-51230-21	415-51230-34	415-55712-00
8	Upper Thermostat with High Limit (59T66) & Protector ▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-51046-00
	Lower Thermostat (59T66) w/ Protector ▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-51046-00
	Lower Thermostat with High Limit (59T66) ▲	415-50691-00	415-50691-00	415-50691-00	415-50691-00	415-50691-00	415-50691-00
9	Heating Element 240V 4500W w/ Gasket µ	415-48642-00	415-48642-00	415-48642-00	415-48642-00	415-48642-00	415-48642-00
10	Thermostat Mounting Bracket	415-50689-00	415-50689-00	415-50689-00	415-50689-00	415-50689-00	415-50689-00
11	Access Cover	221-36618-02	221-36618-02	221-36618-02	221-36618-02	221-36618-02	221-36618-02
12	Drain Valve	415-51684-01	415-51684-01	415-51684-02	415-51684-02	415-51684-02	415-51684-02
13	ASSE Approved Mixing Valve	239-51778-00	239-51778-00	239-51778-00	239-51778-00	239-51778-00	239-51778-00
14	Kit-Heat Trap Insert (PEX)	265-51572-00	265-51572-00	265-51572-00	265-51572-00	265-51572-00	265-51572-00
15	Blanket Kit	239-50210-01	239-50210-02	---	---	---	---

♦ Order with item 2.
♦♦ Order with item 6.
▲ Thermostat protector provided with thermostat. The thermostat mounting bracket is also provided with the thermostat.
µ For other voltage and wattage combinations, refer to heating elements on page 12 & 13.
■ Upper and lower thermostats are packaged together.
Segmented Anode may need to be cut to length.

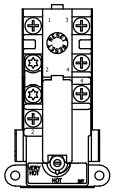
RE250T ALTERNATE CONSTRUCTION*



TOP LOCATION

- Double element water heater, non-simultaneous single phase and three phase operation.

59T66T



415-51046-00

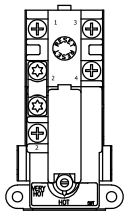
TOP LOCATION

- Double element water heater, simultaneous operation.

BOTTOM LOCATION

- Single element water heater.
- Double element water heater, non-simultaneous three phase operation.
- Double element water heater, simultaneous operation.

59T66T

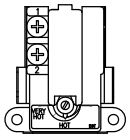


415-50691-00

BOTTOM LOCATION

- Double element water heater, non-simultaneous single phase operation

59T



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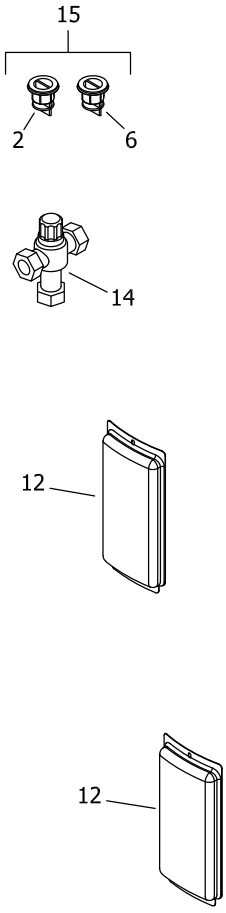
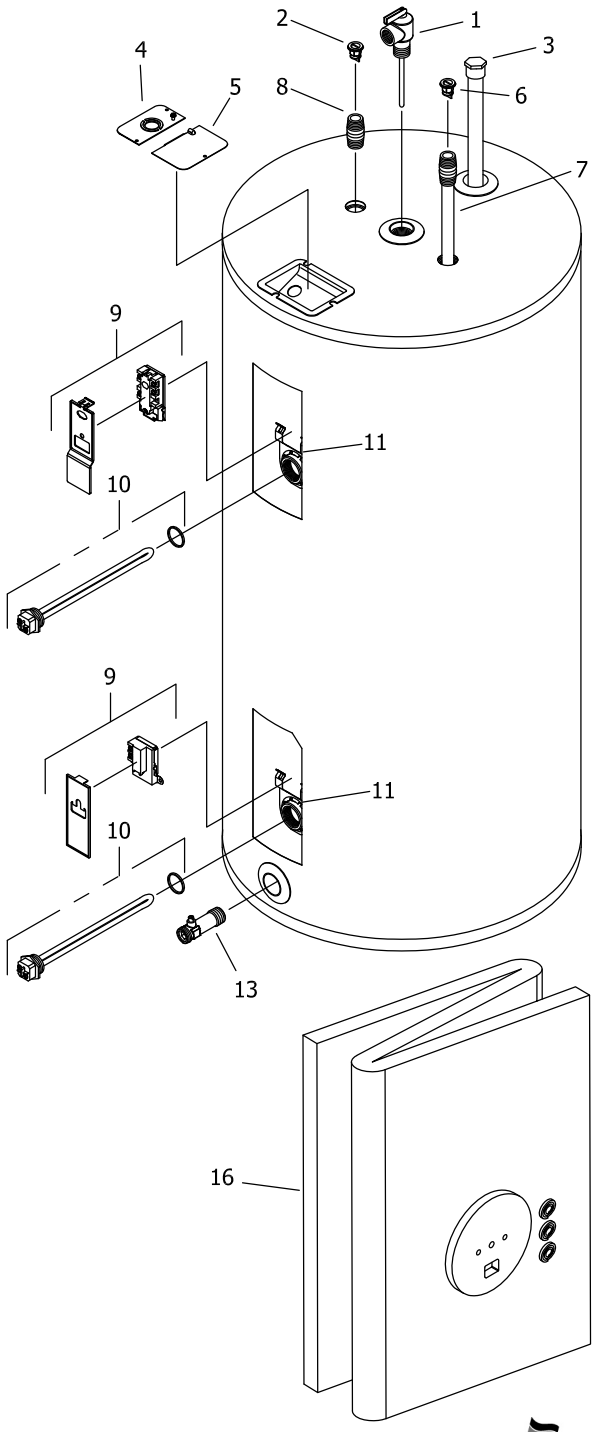




BRADFORD WHITE WATER HEATERS

Item	Description	Model RE250T	Model RE250T Alternate*
1	T&P Relief Valve	415-40594-02	415-40594-02
2	Heat Trap Insert (Outlet)	415-45167-00	415-45167-00
3	Hot Water Outlet Segmented Anode (Magnesium) ♦#	---	415-55482-00
	Hot Water Outlet Segmented Anode (Aluminum) ♦#	---	415-55484-00
	Hex head Sacrificial Segmented Anode (Aluminum) ♦#	415-55485-00	---
	Hot Water Outlet Segmented Anode (A420 Aluminum) ♦#	---	415-55486-00
4	Cover Conduit/Ground w/ Ground Screw	239-55386-00	239-55386-00
5	Cover Junction Box	221-39452-00	221-39452-00
6	Heat Trap Insert (Inlet)	415-51556-00	415-51556-00
7	Cold Water Inlet Tube PEX ♦♦	229-51718-05	229-51718-05
8	Nipple outlet	415-50053-06	---
9	Upper Thermostat with High Limit (59T66) & Protector▲■	415-51046-00	415-51046-00
	Lower Thermostat (59T) w/ Protector ▲■	415-51046-00	415-51046-00
	Lower Thermostat with High Limit (59T66) ▲	415-50691-00	415-50691-00
10	Heating Element 240V 4500W w/ Gasket µ (qty 2)	415-48642-00	415-48642-00
11	Thermostat Mounting Bracket	415-50689-00	415-50689-00
12	Access Cover	221-36618-02	221-36618-02
13	Brass Drain Valve	415-51684-01	415-51684-01
14	ASSE Approved Mixing Valve	239-51778-00	239-51778-00
15	Kit-Heat Trap Insert (PEX)	265-51572-00	265-51572-00
16	Blanket Kit	---	---

NOTE: Some models have top escutscheons

♦ Order with item 2.

♦♦ Order with item 6.

▲ Thermostat protector provided with thermostat. The thermostat mounting bracket is also provided with the thermostat.

µ For other voltage and wattage combinations, refer to heating elements on page 12 & 13.

■ Upper and lower thermostats are packaged together.

Segmented Anode may need to be cut to length.

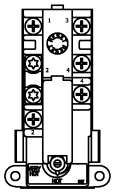
* See RE250T alternate construction on page 4.

BRADFORD WHITE
WATER HEATERS

TOP LOCATION

- Double element water heater, non-simultaneous single phase and three phase operation.

59T66T



415-51046-00

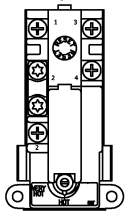
TOP LOCATION

- Double element water heater, simultaneous operation.

BOTTOM LOCATION

- Single element water heater.
- Double element water heater, non-simultaneous three phase operation.
- Double element water heater, simultaneous operation.

59T66T

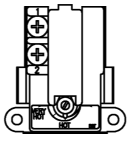


415-50691-00

BOTTOM LOCATION

- Double element water heater, non-simultaneous single phase operation

59T



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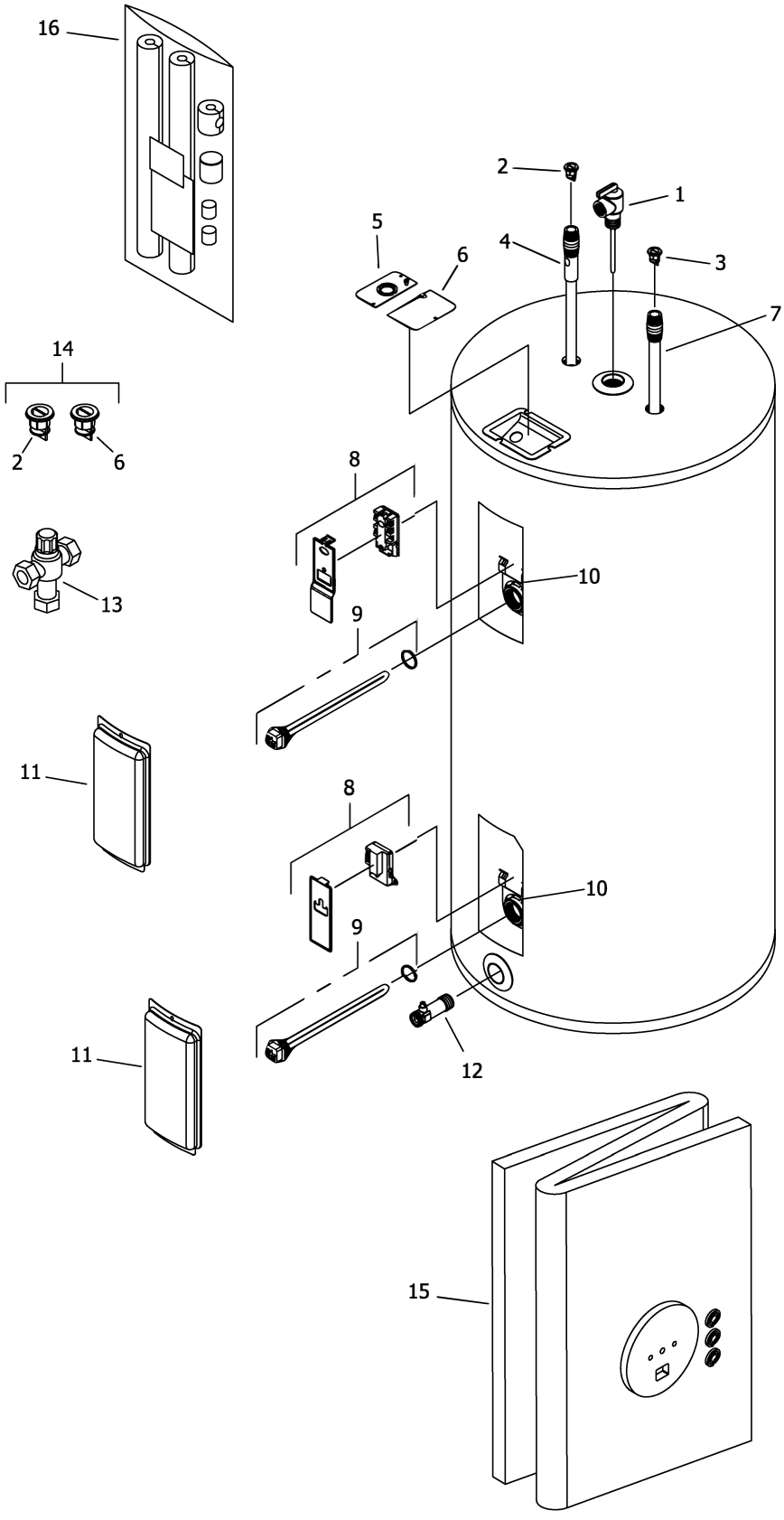


BRADFORD WHITE WATER HEATERS

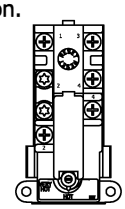
Item	Description	Model RE240L
1	T&P Relief Valve	415-40594-02
2	Heat Trap Insert (Inlet)	415-51556-00
3	Heat Trap Insert (Outlet)	415-45167-00
4	Hot Water Outlet Segmented Anode (Magnesium) ♦#	415-55482-00
	Hot Water Outlet Segmented Anode (Aluminum) ♦#	415-55484-00
	Hot Water Outlet Segmented Anode (A420 Aluminum) ♦#	415-55486-00
5	Cover Conduit/Ground w/ Ground Screw	239-55386-00
6	Cover Junction Box	221-39452-00
7	Cold Water Inlet Tube Pex ♦♦	229-51230-27
8	Upper Thermostat with High Limit (59T66) w/ Protector▲■	415-51046-00
	Lower Thermostat (59T) w/ Protector ▲■	415-51046-00
	Lower Thermostat with High Limit (59T66) ▲	415-50691-00
9	Heating Element 240V 4500W w/ Gasket µ (qty 2)	415-48642-00
10	Thermostat Mounting Bracket	415-50689-00
11	Access Cover	221-36618-02
12	Drain Valve	415-51684-01
13	ASSE Approved Mixing Valve	239-51778-00
14	Kit-Heat Trap Insert (PEX)	265-51572-00
15	Blanket Kit	239-54891-00
16	Insulation Kit	239-48949-00

▲ Thermostat protector provided with thermostat. The thermostat mounting bracket is also provided with the thermostat.
µ For other voltage and wattage combinations, refer to heating elements on page 12 & 13.
■ Upper and lower thermostats are packaged together.
Segmented Anode may need to be cut to length.

TOP LOCATION

- RE250L(N) & RE255T water heater, non-simultaneous single phase and three phase operation.

59T66T

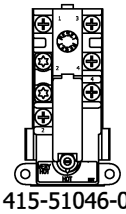


415-54052-00

TOP LOCATION

- Double element water heater, non-simultaneous single phase and three phase operation except RE250L(N) & RE255T.

59T66T



415-51046-00

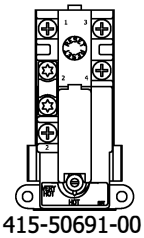
TOP LOCATION

- Double element water heater, simultaneous operation.

BOTTOM LOCATION

- Single element water heater.
- Double element water heater, non-simultaneous three phase operation.
- Double element water heater, simultaneous operation.

59T66T

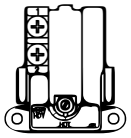


415-50691-00

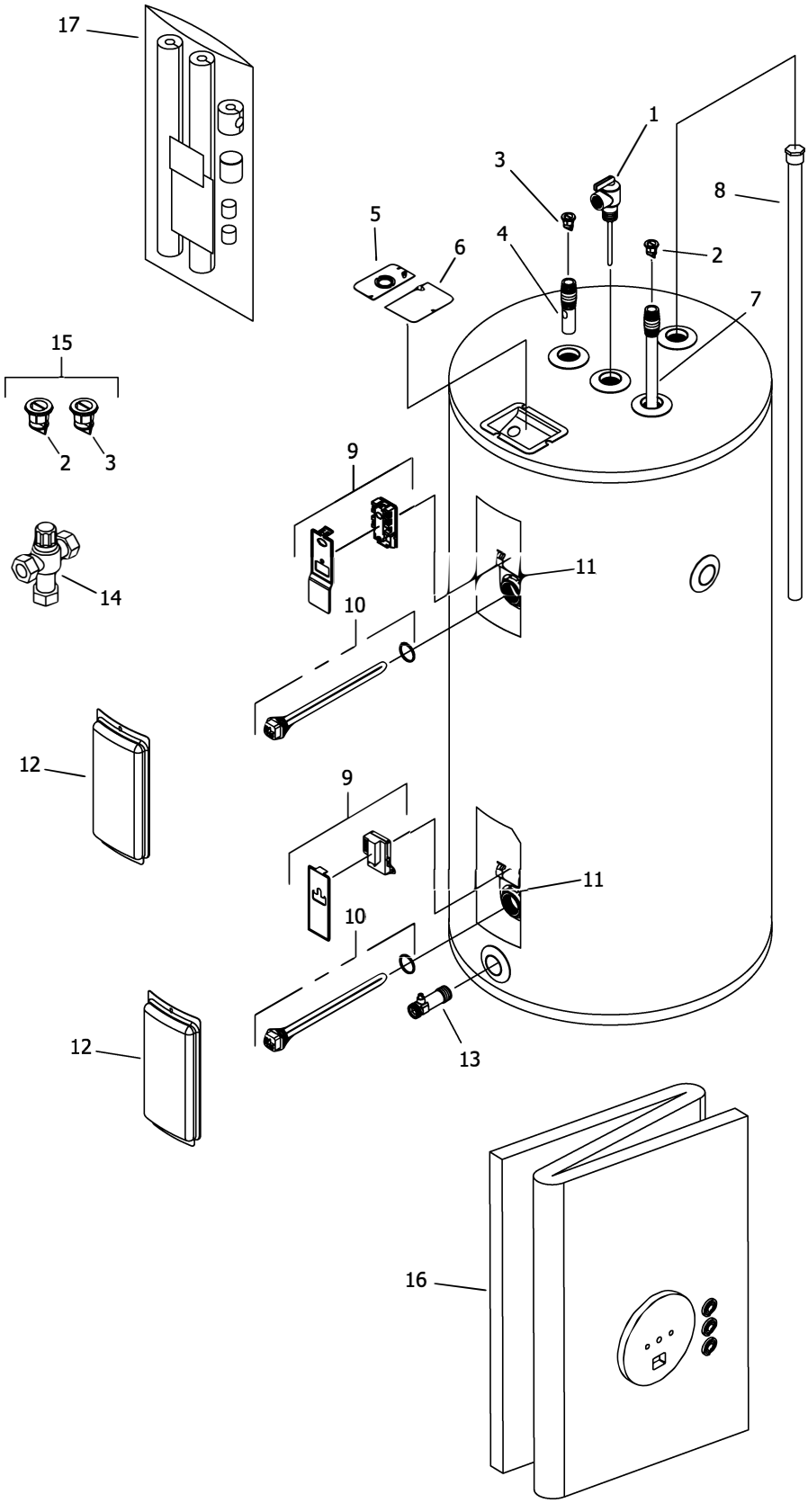
BOTTOM LOCATION

- Double element water heater, non-simultaneous single phase operation

59T



415-51046-00



BRADFORD WHITE WATER HEATERS

Item	Description	Model RE120L	Model RE130L	Model RE230LN	Model RE240LN	Model RE250L(N)	Model RE255T
1	T&P Relief Valve	415-40594-02	415-40594-02	415-40594-02	415-40594-02	415-40594-02	415-40594-04
2	Heat Trap Insert (Inlet)	---	415-51556-00	415-51556-00	415-51556-00	415-51556-00	415-51556-00
3	Heat Trap Insert (Outlet)	---	415-45167-00	415-45167-00	415-45167-00	415-45167-00	415-45167-00
4	Hot Water Outlet Device ♦	---	229-51995-00	229-51995-00	229-51858-00	229-51858-00	229-50053-06
5	Cover Conduit/Ground w/ Ground Screw	239-55386-00	239-55386-00	239-55386-00	239-55386-00	239-55386-00	239-55386-00
6	Cover Junction Box	221-39452-00	221-39452-00	221-39452-00	221-39452-00	221-39452-00	221-39452-00
7	Cold Water Inlet Tube PEX ♦	415-51230-01	229-51718-03	229-51718-03	229-52007-01	229-51718-02	229-51718-05
8	Hex head Sacrificial Segmented Anode (Magnesium) #	415-55483-00	415-55483-00	415-55483-00	415-55483-00	415-55483-00	415-55483-00
	Hex head Sacrificial Segmented Anode (Aluminum) #	415-55485-00	415-55485-00	415-55485-00	415-55485-00	415-55485-00	415-55485-00
	Hex head Sacrificial Segmented Anode (A420 Aluminum) #	415-55487-00	415-55487-00	415-55487-00	415-55487-00	415-55487-00	415-55487-00
9	Upper Thermostat with High Limit (59T66) & Protector▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-54052-00	415-54052-00
	Lower Thermostat (59T) w/ Protector ▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-54052-00	415-54052-00
	Lower Thermostat with High Limit (59T66) ▲	415-50691-00	415-50691-00	415-50691-00	415-50691-00	415-50691-00	415-50691-00
10	Heating Element 240V 4500W w/ Gasket µ (qty 2)	415-48642-00	415-48642-00	415-48642-00	415-48642-00	415-48642-00	415-48642-00
11	Thermostat Mounting Bracket	415-50689-00	415-50689-00	415-50689-00	415-50689-00	415-50689-00	415-50689-00
12	Access Cover	221-36618-02	221-36618-02	221-36618-02	221-36618-02	221-36618-02	221-36618-02
13	Brass Drain Valve	415-42351-02	415-42351-02	415-51684-02	415-51684-02	415-51684-01	415-51684-02
14	ASSE Approved Mixing Valve	239-51778-00	239-51778-00	239-51778-00	239-51778-00	239-51778-00	239-51778-00
15	Kit-Heat Trap Insert (PEX)	---	265-51875-00	265-51875-00	265-51875-00	265-51875-00	265-51572-00
16	Blanket Kit	---	239-54890-00	---	---	---	---
17	Insulation Kit	---	239-48949-00	239-48949-00	239-48949-00	239-48949-00	---

♦ Order with item 2.

▲ Thermostat protector provided with thermostat. The thermostat mounting bracket is also provided with the thermostat.

µ For other voltage and wattage combinations, refer to heating elements on page 12 & 13.

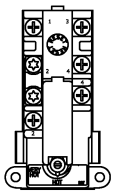
■ Upper and lower thermostats are packaged together.

Segmented Anode may need to be cut to length.

TOP LOCATION

- Double element water heater, non-simultaneous single phase and three phase operation.

59T66T



415-51046-00

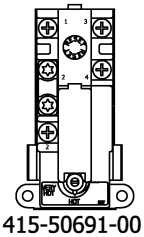
TOP LOCATION

- Double element water heater, simultaneous operation.

BOTTOM LOCATION

- Single element water heater.
- Double element water heater, non-simultaneous three phase operation.
- Double element water heater, simultaneous operation.

59T66T

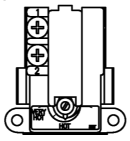


415-50691-00

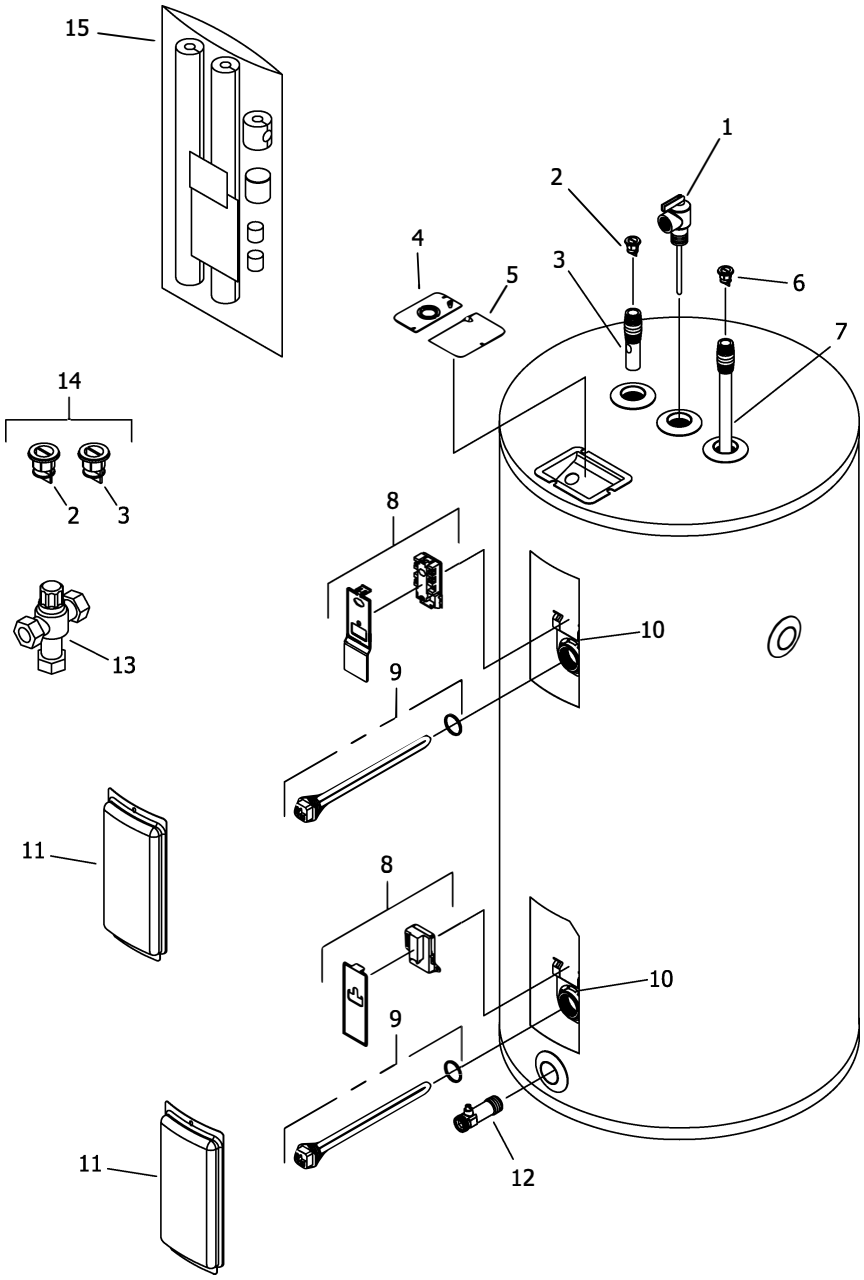
BOTTOM LOCATION

- Double element water heater, non-simultaneous single phase operation

59T



415-51046-00



BRADFORD WHITE WATER HEATERS

Item	Description	Model RE340T	Model RE350T	Model RE380T	Model RE3120T
1	T&P Relief Valve	415-40594-02	415-40594-02	415-40594-02	415-40594-02
2	Heat Trap Insert (Outlet)	415-45167-00	415-45167-00	415-45167-00	415-45167-00
3	Hot Water Outlet (Segmented) Anode (Magnesium) ♦#	415-55482-00	415-47776-25	415-55482-00	415-47780-01
	Hot Water Outlet (Segmented) Anode (Aluminum) ♦#	415-55484-00	415-32999-43	415-55484-00	415-55484-00
	Hot Water Outlet (Segmented) Anode (A420 Aluminum) ♦#	415-55486-00	415-49560-11	415-55486-00	415-55486-00
4	Cover Conduit/Ground w/ Ground Screw	239-55386-00	239-55386-00	239-55386-00	239-55386-00
5	Cover Junction Box	221-39452-00	221-39452-00	221-39452-00	221-39452-00
6	Heat Trap Insert (Inlet)	415-51556-00	415-51556-00	415-51556-00	415-51556-00
7	Cold Water Inlet Tube PEX ♦♦	415-51230-35	415-51718-05	415-51230-33	415-45032-01
8	Upper Thermostat with High Limit (59T66) & Protector▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00
	Lower Thermostat (59T) w/ Protector ▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00
	Lower Thermostat with High Limit (59T66) ▲	415-50691-00	415-50691-00	415-50691-00	415-50691-00
9	Heating Element 240V 4500W w/ Gasket µ (qty 2)	415-48642-00	415-48642-00	415-48642-00	415-48642-00
10	Thermostat Mounting Bracket	415-50689-00	415-50689-00	415-50689-00	415-50689-00
11	Access Cover	221-36618-02	221-36618-02	221-36618-02	221-36618-02
12	Brass Drain Valve	415-51684-02	415-51684-02	415-42351-04	415-42351-04
13	ASSE Approved Mixing Valve	239-51778-00	239-51778-00	239-51778-00	239-51778-00
14	Kit-Heat Trap Insert (PEX)	265-51572-00	265-51572-00	265-51572-00	265-51572-00
15	Insulation Kit	---	---	239-48949-00	239-48949-00

♦ Order with item 2.
♦♦ Order with item 6.
▲ Thermostat protector provided with thermostat. The thermostat mounting bracket is also provided with the thermostat.
µ For other voltage and wattage combinations, refer to heating elements on page 12 & 13.
■ Upper and lower thermostats are packaged together.
Segmented Anode may need to be cut to length.

Heating Elements (Incoloy) for:
Residential Series (RE)
Light Duty (LE) Commercial Series
Medium Duty (E32) Commercial Series
Commercial (MII) Series

Wattage	120 Volt	208 Volt	240 Volt	277 Volt	380 Volt
1000W ▲	N/A	415-42545-17	415-42547-10	N/A	N/A
1250W ▲	N/A	N/A	N/A	N/A	N/A
1500W ▲	415-42541-02	415-42545-02	415-42545-13	415-42547-10	415-42551-12
1500W (LWD)▲	N/A	N/A	N/A	N/A	N/A
2000W ▲	N/A	415-42545-14	415-42545-02	415-42547-07	415-42549-04
2500W ▲	N/A	415-42545-11	415-42545-14	415-42547-11	415-42551-13
3000W ▲	N/A	415-42545-12	415-42545-15	415-42547-08	415-42551-10
3500W ▲▲	N/A	415-42545-16	415-42545-11	N/A	415-42551-14
3800W ▲▲	N/A	N/A	415-42547-15	N/A	N/A
4000W ▲▲	N/A	415-42545-17	415-42545-12	415-42547-03	415-42551-16
4500W ▲▲	N/A	415-42545-19	415-42545-16	415-42547-12	415-42551-17
4500W (LWD) ▲▲	N/A	N/A	N/A	N/A	N/A
5000W ▲▲	N/A	415-42543-04	415-42545-18	415-42547-15	415-42553-11
5500W ▲▲	N/A	415-42543-05	415-42545-17	415-42547-13	415-42549-06
6000W ▲▲	N/A	415-42543-06	415-42545-19	415-42547-14	415-42549-05
Element gasket ^	223-34019-00	223-34019-00	223-34019-00	223-34019-00	223-34019-00
Element plug	223-34020-00	223-34020-00	223-34020-00	223-34020-00	223-34020-00

(LWD) = Low Watt Density

Element wrench ***	415-35897-12
Adapt-a-flange kit ***	265-36968-12

*** For use with residential, LD, E32, and MII series heating elements only. Not for use with commercial "A" series heating elements.

▲ For 12" Diameter tanks and above.
▲▲ For 14" Diameter tanks and above.
* For 16" Diameter tanks and above.
** For 18" Diameter tanks and above.
^ Element gaskets included with elements.

Heating Elements (Copper) for:
Residential Series (RE)
Light Duty (LE) Commercial Series
Medium Duty (E32) Commercial Series
Commercial (MII) Series

Wattage	120 Volt	208 Volt	240 Volt	277 Volt	380 Volt
1000W ▲	415-42540-01	415-42544-01	415-42546-01	N/A	N/A
1250W ▲	N/A	N/A	415-42544-13	N/A	N/A
1500W ▲	415-42540-02	415-42544-03	415-42544-01	N/A	N/A
1500W (LWD)▲	415-42540-03	N/A	415-42544-02	N/A	N/A
2000W ▲	415-42540-04	415-42544-04	415-42544-03	N/A	N/A
2500W ▲	415-42540-05	415-42544-06	415-42544-04	N/A	N/A
3000W ▲	415-42540-07	415-42544-14	415-42544-05	N/A	N/A
3500W ▲▲	N/A	415-42544-08	415-42544-06	N/A	N/A
3800W ▲▲	N/A	N/A	415-42546-10	N/A	N/A
4000W ▲▲	N/A	415-42544-16	415-42544-14	N/A	N/A
4500W ▲▲	N/A	415-42544-12	415-42544-08	N/A	N/A
4500W (LWD) ▲▲	N/A	N/A	415-51333-09	N/A	N/A
5000W ▲▲	N/A	N/A	415-42544-10	N/A	N/A
5500W ▲▲	N/A	N/A	415-42544-16	N/A	N/A
6000W ▲▲	N/A	N/A	415-42544-12	N/A	N/A
Element gasket ^	223-34019-00	223-34019-00	223-34019-00	223-34019-00	223-34019-00
Element plug	223-34020-00	223-34020-00	223-34020-00	223-34020-00	223-34020-00

(LWD) = Low Watt Density

▲ For 12" Diameter tanks and above.
▲▲ For 14" Diameter tanks and above.
* For 16" Diameter tanks and above.
** For 18" Diameter tanks and above.
^ Element gaskets included with elements.

BRADFORD WHITE®
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For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

International

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