



RESIDENTIAL ELECTRIC REPLACEMENT PARTS LIST

Energy Saver Models



Models Covered:

M(120, 130, 140, 150,
230, 240, 250)L
M(180, 230, 265, 280, 2120)R
M(240, 250)S
M(240, 250)T
M2HE(40, 50)S
M2HE(65, 80)R

*Denotes warranty year

Effective: October, 2024
ECO 8780

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

Dimensions and specifications
subject to change without notice.

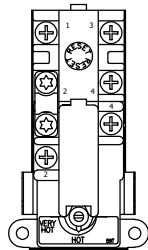


As required by the state of California Proposition 65.

TOP LOCATION

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

59T66T



415-51046-00

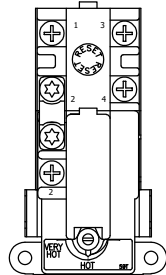
TOP LOCATION

- 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

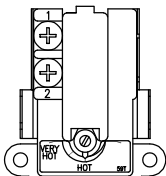


415-50691-00

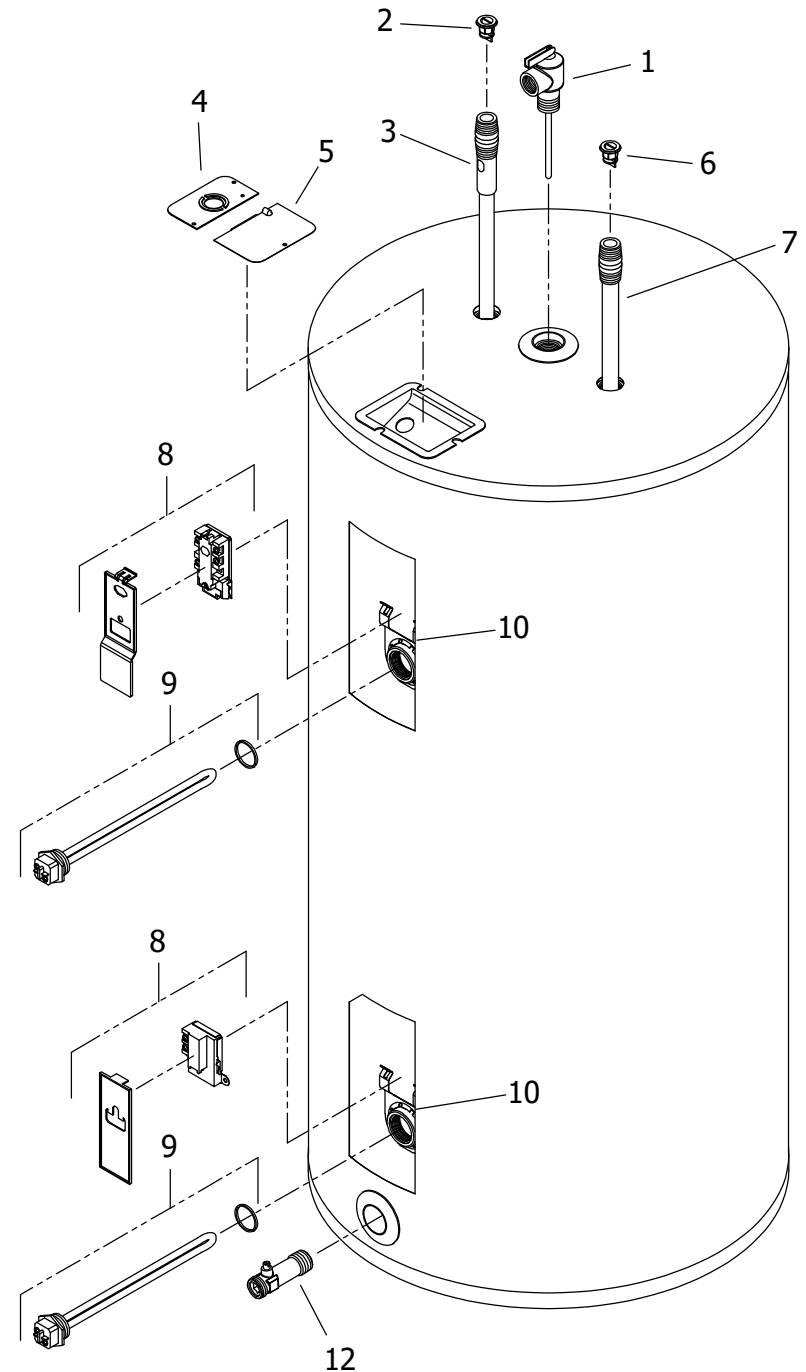
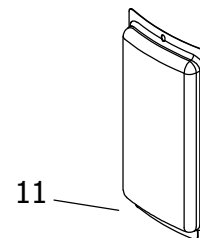
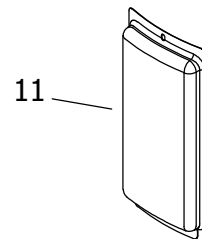
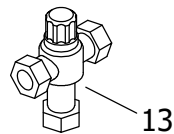
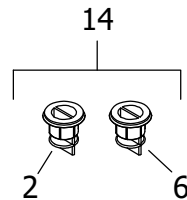
BOTTOM LOCATION

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

59T



415-51046-00



Item	Description	Model M230R	Model M240S	Model M240T	Model M250S	Model M250T
1	T&P Relief Valve	415-40594-02	415-32920-01	415-32920-01	415-32920-01	415-32920-01
2	Heat Trap Insert (Outlet)	415-45167-00	415-45167-00	415-45167-00	415-45167-00	415-45167-00
3	Hot Water Outlet Anode Magnesium ♦#	415-55482-00	415-55482-00	415-55482-00	415-55482-00	415-55482-00
	Aluminum ♦#	415-55484-00	415-55484-00	415-55484-00	415-55484-00	415-55484-00
	A420 ♦#	415-55486-00	415-55486-00	415-55486-00	415-55486-00	415-55486-00
4	Cover Conduit/Ground	239-39451-00	239-39451-00	239-39451-00	239-39451-00	239-39451-00
5	Cover Junction Box	243-39452-00	243-39452-00	243-39452-00	243-39452-00	243-39452-00
6	Heat Trap Insert (Inlet)	415-45073-00	415-45073-00	415-45073-00	415-45073-00	415-45073-00
7	Cold Water Inlet Tube Polypropylene ♦♦	415-51230-21	229-51230-08	415-51230-09	229-51230-08	415-51230-09
8	Thermostat with High Limit (59T66) & Protector ▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-51046-00
	Thermostat (59T) w/ Protector ▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-51046-00
	Thermostat with High Limit (59T66) & Protector ▲	415-50691-00	415-50691-00	415-50691-00	415-50691-00	415-50691-00
9	Heating Element 240V 4500W w/ Gasket* (qty 2)	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
11	Access Cover	243-36618-02	243-36618-02	243-36618-02	243-36618-02	243-36618-02
12	Brass Drain Valve	415-42351-02	415-42351-02	415-42351-02	415-42351-02	415-42351-02
13	ASSE Approved Mixing Valve	239-51778-00	239-51778-00	239-51778-00	239-51778-00	239-51778-00
14	Kit-Heat Trap Insert	265-45420-00	265-45420-00	265-45420-00	265-45420-00	265-45420-00

♦ Order with item 2.

♦♦ Order with item 6.

▲ Thermostat protector provided with thermostat.

* For other voltage and wattage combinations, refer to heating elements on page 10 & 11.

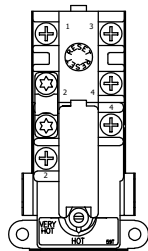
■ These parts are packaged together.

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

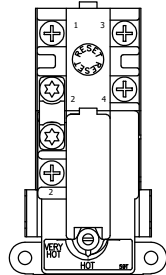
TOP LOCATION

- 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

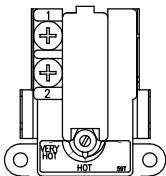


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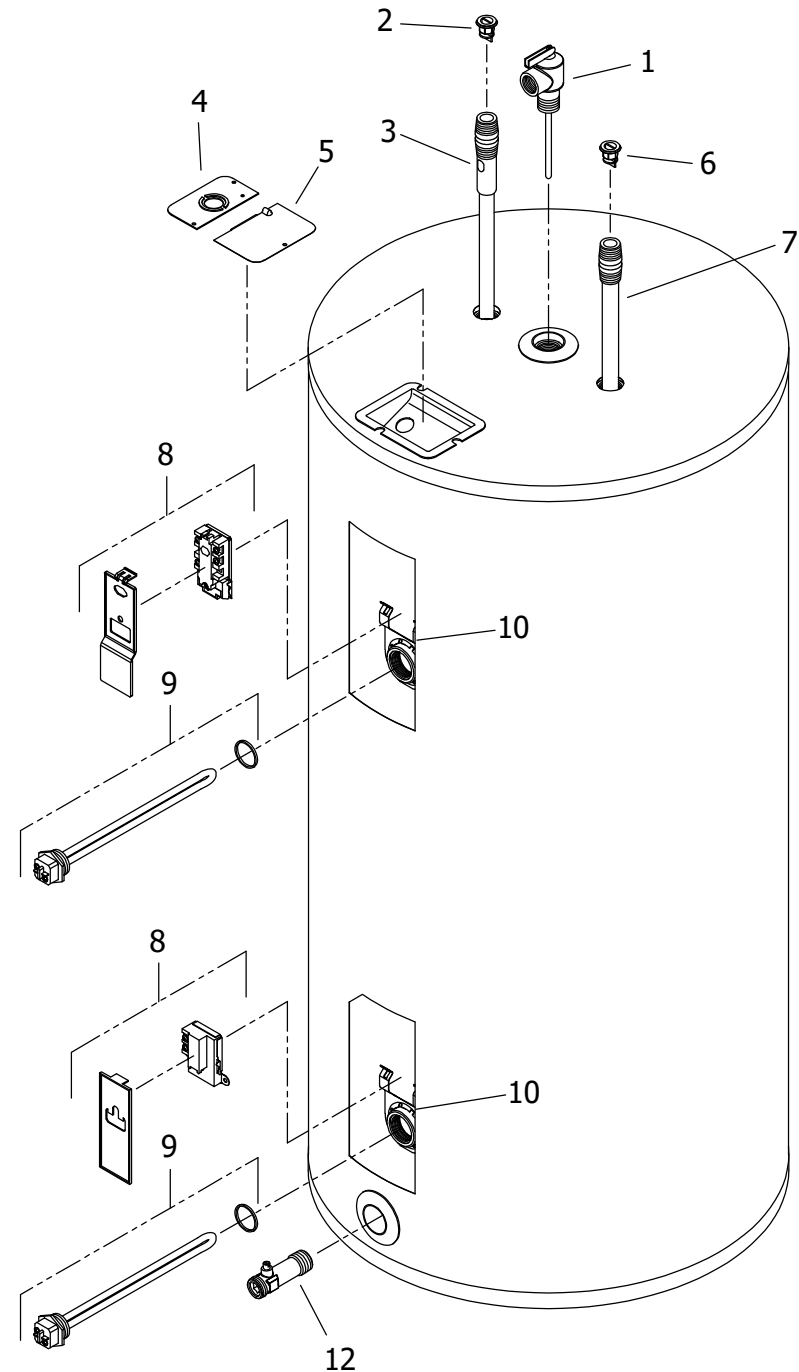
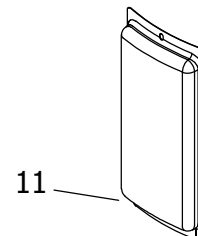
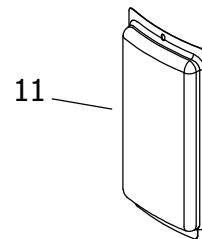
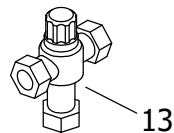
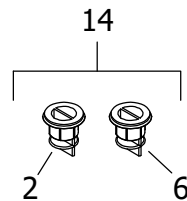
BOTTOM LOCATION

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

59T



415-51046-00



Item	Description	Model M265R	Model M280R	Model M180R	Model M2120R	Model M120L
1	T&P Relief Valve	415-32920-01	415-32920-01	415-40594-02	415-40594-02	415-32920-01
2	Heat Trap Insert (Outlet)	415-45167-00	415-45167-00	415-45167-00	415-45167-00	415-45167-00
3	Hot Water Outlet Anode Magnesium ♦#	415-55482-00	415-55482-00	415-55482-00	415-47780-01	415-55482-00
	Aluminum ♦#	415-55484-00	415-55484-00	415-55484-00	415-45036-01	415-55484-00
	A420 ♦#	415-55486-00	415-55486-00	415-55486-00	---	415-55486-00
4	Cover Conduit/Ground	239-39451-00	239-39451-00	239-39451-00	239-39451-00	239-39451-00
5	Cover Junction Box	243-39452-00	243-39452-00	243-39452-00	243-39452-00	243-39452-00
6	Heat Trap Insert (Inlet)	415-45073-00	415-45073-00	415-45073-00	415-45073-00	415-45073-00
7	Cold Water Inlet Tube Polypropylene ♦♦	415-51230-10	415-51230-10	415-51230-22	415-45031-01	415-51230-01
8	Thermostat with High Limit (59T66) & Protector ▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-51046-00
	Thermostat (59T) w/ Protector ▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-51046-00
	Thermostat with High Limit (59T66) & Protector ▲	415-50691-00	415-50691-00	415-50691-00	415-50691-00	415-50691-00
9	Heating Element 240V 4500W w/ Gasket * (qty 2)	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
11	Access Cover	243-36618-02	243-36618-02	243-36618-02	243-36618-02	243-36618-02
12	Brass Drain Valve	415-42351-02	415-42351-02	415-42351-02	415-42351-02	415-42351-02
13	ASSE Approved Mixing Valve	239-51778-00	239-51778-00	239-51778-00	239-51778-00	239-51778-00
14	Kit-Heat Trap Insert	265-45420-00	265-45420-00	265-45420-00	265-45420-00	265-45420-00

♦ Order with item 2.

♦♦ Order with item 6.

▲ Thermostat protector provided with thermostat.

* For other voltage and wattage combinations, refer to heating elements on page 10 & 11.

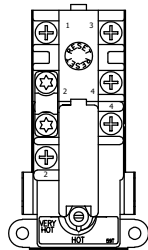
■ These parts are packaged together.

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

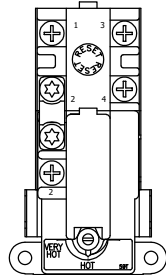
TOP LOCATION

- 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

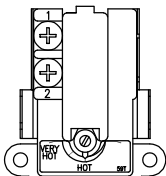


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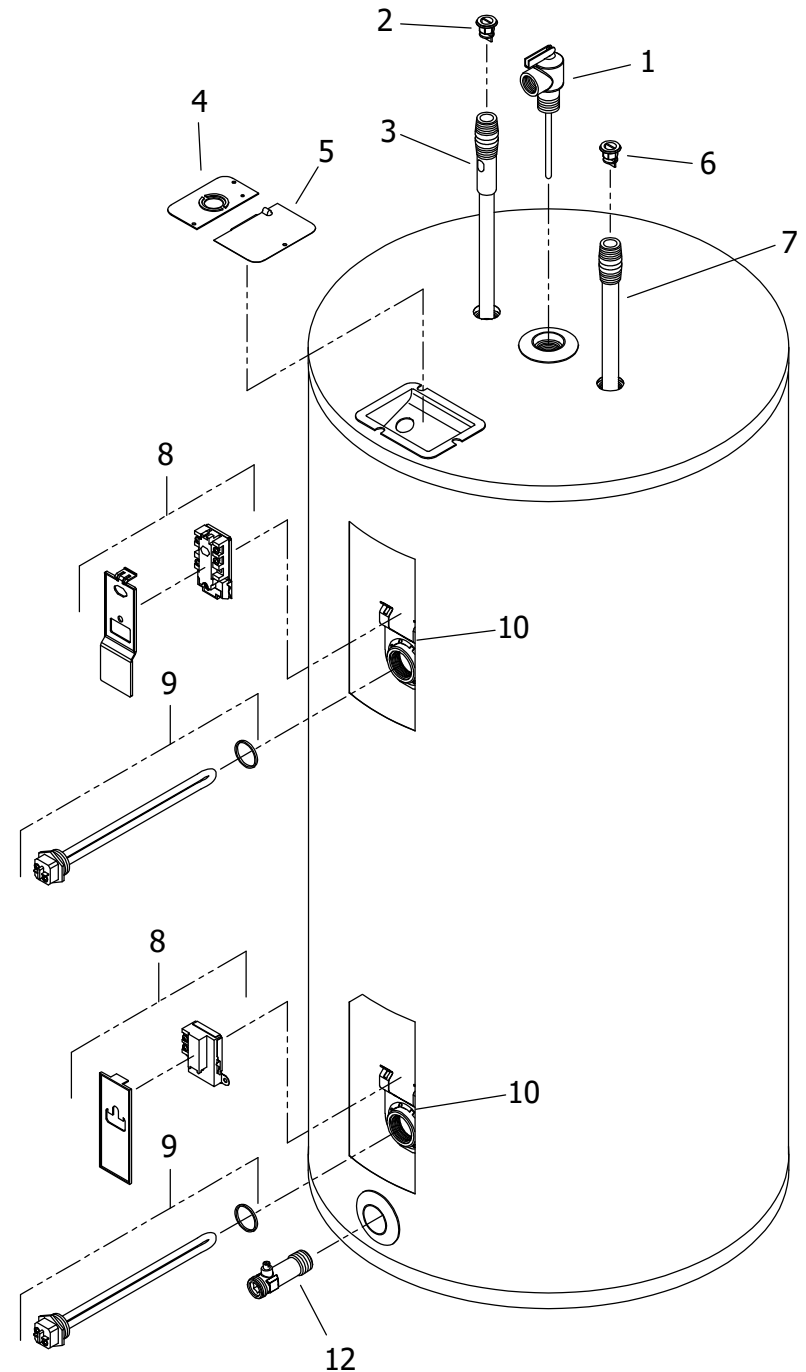
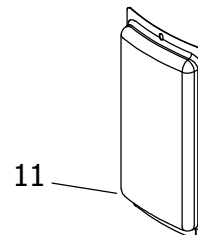
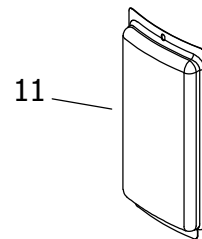
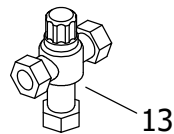
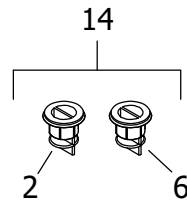
BOTTOM LOCATION

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

59T



415-51046-00



Item	Description	Model M130L	Model M230L	Model M140L	Model M240L	Model M150L
1	T&P Relief Valve	415-32920-01	415-40594-02	415-32920-01	415-40594-02	415-32920-01
2	Heat Trap Insert (Outlet)	415-45167-00	415-45167-00	415-45167-00	415-45167-00	415-45167-00
3	Hot Water Outlet Anode Magnesium ♦#	415-55482-00	415-55482-00	415-55482-00	415-55482-00	415-55482-00
	Aluminum ♦#	415-55484-00	415-55484-00	415-55484-00	415-55484-00	415-55484-00
	A420 ♦#	415-55486-00	415-55486-00	415-55486-00	415-55486-00	415-55486-00
4	Cover Conduit/Ground	239-39451-00	239-39451-00	239-39451-00	239-39451-00	239-39451-00
5	Cover Junction Box	243-39452-00	243-39452-00	243-39452-00	243-39452-00	243-39452-00
6	Heat Trap Insert (Inlet)	415-45073-00	415-45073-00	415-45073-00	415-45073-00	415-45073-00
7	Cold Water Inlet Tube Polypropylene ♦♦	229-51718-04	229-51718-04	415-51230-27	415-51230-27	415-51230-27
8	Thermostat with High Limit (59T66) w/ Protector ▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-51046-00
	Thermostat (59T) w/ Protector ▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-51046-00
	Thermostat with High Limit (59T66) ▲	415-50691-00	415-50691-00	415-50691-00	415-50691-00	415-50691-00
9	Heating Element 240V 4500W w/ Gasket* (qty 2)	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
11	Access Cover	243-36618-02	243-36618-02	243-36618-02	243-36618-02	243-36618-02
12	Brass Drain Valve	415-42351-02	415-42351-02	415-42351-02	415-42351-02	415-42351-02
13	ASSE Approved Mixing Valve	239-51778-00	239-51778-00	239-51778-00	239-51778-00	239-51778-00
14	Kit-Heat Trap Insert	265-45420-00	265-45420-00	265-45420-00	265-45420-00	265-45420-00

♦ Order with item 2.

♦♦ Order with item 6.

▲ Thermostat protector provided with thermostat.

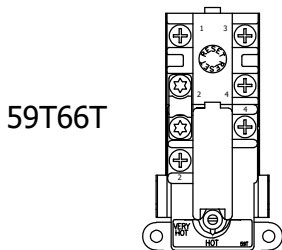
* For other voltage and wattage combinations, refer to heating elements on page 10 & 11.

■ These parts are packaged together.

Anode may need to be cut to length

TOP LOCATION

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



59T66T

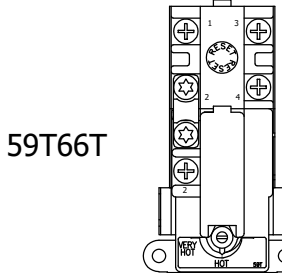
415-51046-00

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.

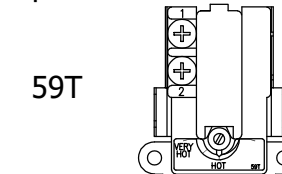


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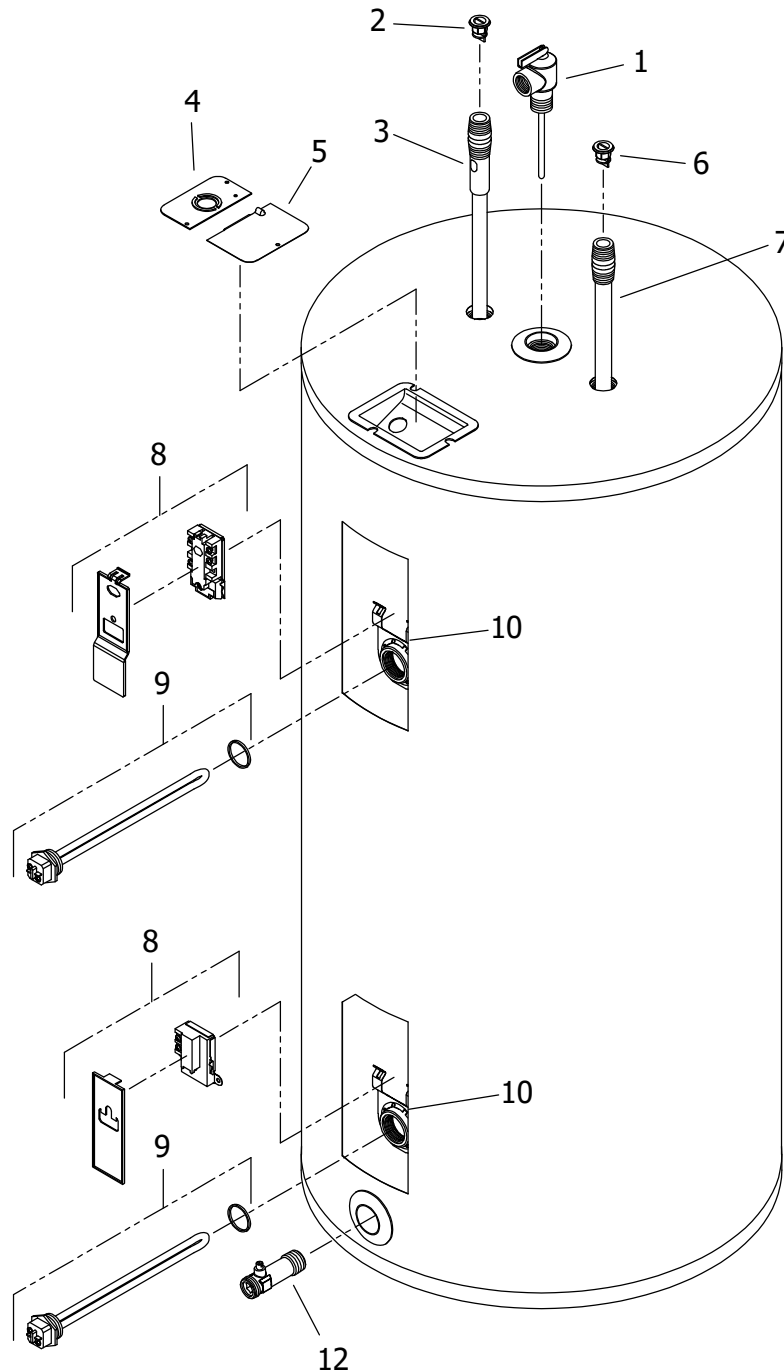
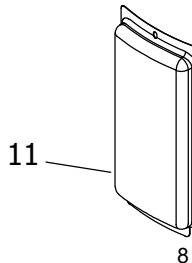
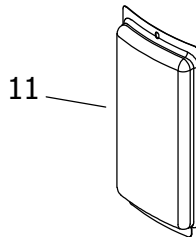
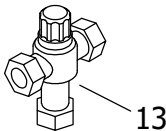
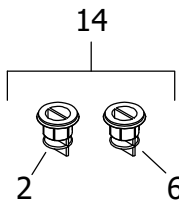
BOTTOM LOCATION

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



59T

415-51046-00



Item	Description	Model M250L	Model M2HE40S	Model M2HE50S	Model M2HE65R	Model M2HE80R
1	T&P Relief Valve	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
3	Hot Water Outlet Anode Magnesium ♦#	415-55482-00	415-55482-00	415-55482-00	415-55482-00	415-55482-00
	Aluminum ♦#	415-55484-00	415-55484-00	415-55484-00	415-55484-00	415-55484-00
	A420 ♦#	415-55486-00	415-55486-00	415-55486-00	415-55486-00	415-55486-00
4	Cover Conduit/Ground	239-39451-00	239-39451-00	239-39451-00	239-39451-00	239-39451-00
5	Cover Junction Box	243-39452-00	243-39452-00	243-39452-00	243-39452-00	243-39452-00
6	Heat Trap Insert (Inlet)	415-45073-00	415-45073-00	415-45073-00	415-45073-00	415-45073-00
7	Cold Water Inlet Tube Polypropylene ♦♦	415-51230-27	415-51230-21	415-51230-21	415-51230-22	415-51230-22
8	Thermostat with High Limit (59T66) w/ Protector ▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-51046-00
	Thermostat (59T) w/ Protector ▲■	415-51046-00	415-51046-00	415-51046-00	415-51046-00	415-51046-00
	Thermostat with High Limit (59T66) ▲	415-50691-00	415-50691-00	415-50691-00	415-50691-00	415-50691-00
9	Heating Element 240V 4500W w/ Gasket * (qty 2)	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
11	Access Cover	243-36618-02	243-36618-02	243-36618-02	243-36618-02	243-36618-02
12	Brass Drain Valve	415-42351-02	415-42351-02	415-42351-02	415-42351-02	415-42351-02
13	ASSE Approved Mixing Valve	239-51778-00	239-51778-00	239-51778-00	239-51778-00	239-51778-00
14	Kit-Heat Trap Insert	265-45420-00	265-45420-00	265-45420-00	265-45420-00	265-45420-00

♦ Order with item 2.

♦♦ Order with item 6.

▲ Thermostat protector provided with thermostat.

* For other voltage and wattage combinations, refer to heating elements on page 10 & 11.

■ These parts are packaged together.

Anode may need to be cut to length

Heating Elements (Copper) for:
Residential Series
Light Duty (LD) 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	415-42544-15	N/A	N/A
3500W ▲▲	N/A	415-51333-08	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	415-51333-08	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 should be ordered with elements.

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

Wattage	120 Volt	208 Volt	240 Volt	277 Volt	380 Volt
1000W ▲	N/A	415-42545-13	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	415-51328-07	415-42545-11	N/A	415-42551-05
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	415-51328-07	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	415-42551-18
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 should be ordered with elements.



United States

Sales	1-800-523-2931
Technical Support	1-800-334-3393
Email	<i>techsupport@bradfordwhite.com</i>
Warranty	1-800-531-2111
Email	<i>warranty@bradfordwhite.com</i>
Service Parts	1-800-538-2020
Email	<i>parts@bradfordwhite.com</i>

Canada

Sales	1-866-690-0961 1-905-203-0600
Fax	905-636-0666
Warranty	1-800-531-2111
Email	<i>warranty@bradfordwhite.com</i>
Technical Support	1-800-334-3393
Email	<i>techsupport@bradfordwhite.com</i>
Service Parts and Orders	<i>ca.orders@bradfordwhite.com</i>

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

International

General Contact	<i>international@bradfordwhite.com</i>
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