



RESIDENTIAL SOLAR REPLACEMENT PARTS LIST

"MS" Series Models



Models Covered:

MS65R*SS

MS80R*SS

MS120R*SS

***Denotes warranty year**

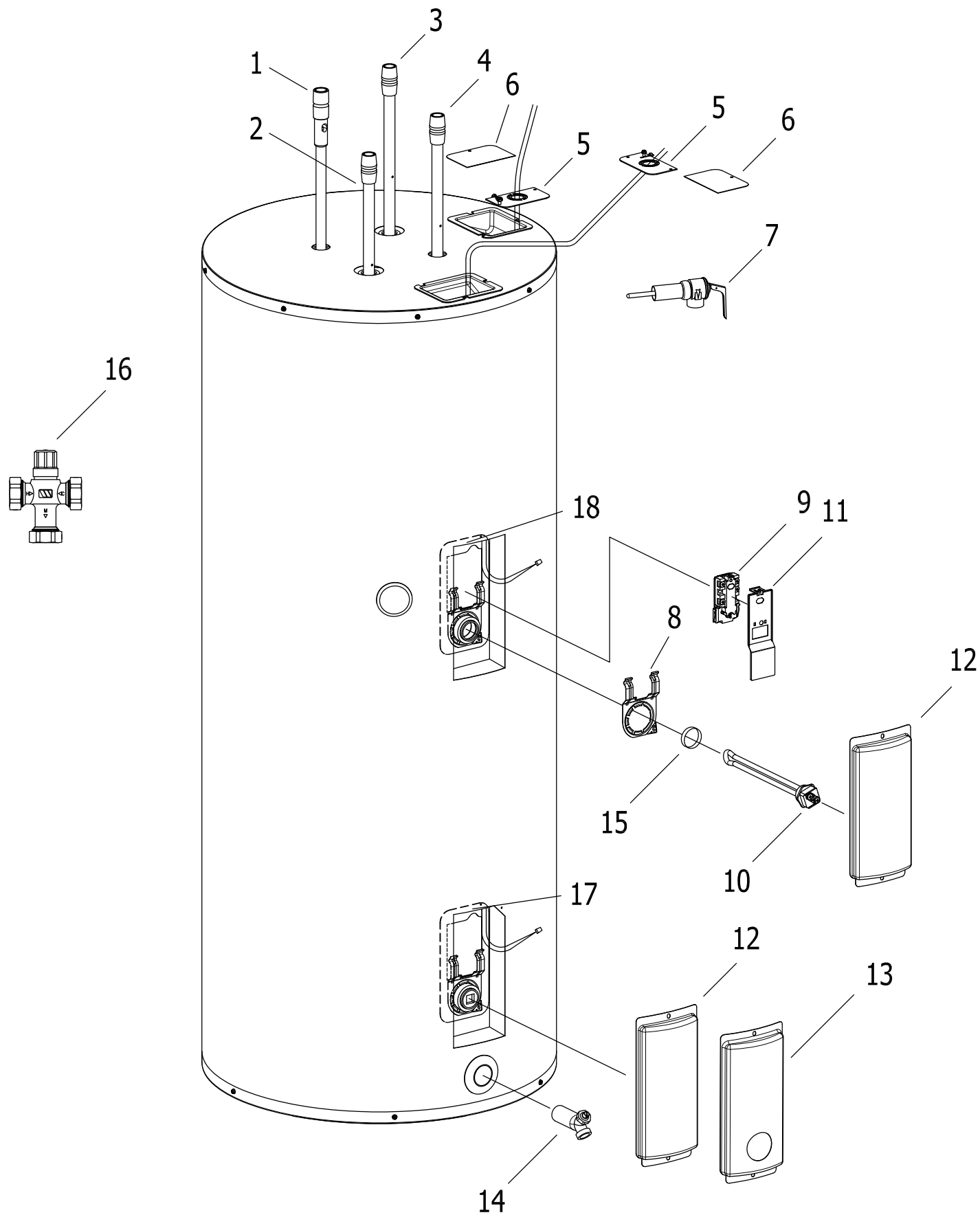
Effective: November, 2023
ECO 8414

**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.



Item	Description	Model MS65R*SS	Model MS80R*SS	Model MS120R*SS
1	Hot Outlet Anode Magnesium #	415-47776-12	415-47776-13	415-47776-19
2	Dip Tube Pump Suction Polypropylene	229-51534-06	229-51534-06	415-51534-18
	Dip Tube Pump Suction Polysulfone	229-51534-06	229-51534-06	415-51230-22
3	Dip Tube Collector Return Polypropylene	415-51534-05	415-51534-05	229-51534-17
	Dip Tube Collector Return Polysulfone	415-51534-05	415-51534-05	229-51534-17
4	Dip Tube Cold Water Inlet Polypropylene	415-51230-23	415-51230-23	415-51230-22
	Dip Tube Cold Water Inlet Polysulfone	415-51230-23	415-51230-23	415-51230-22
5	Cover Conduit/Ground w/ Ground Screw	239-55386-00	239-55386-00	239-55386-00
6	Cover Junction Box	243-39452-00	243-39452-00	243-39452-00
7	T&P Valve	415-40594-02	415-40594-02	415-40594-02
8	Solar/Thermostat Mounting Bracket	415-50689-00 ¹	415-50689-00 ¹	415-50689-00 ¹
9	Thermostat with High Limit	219-50691-00	219-50691-00	219-50691-00
10	Heating Element 240V/4500W μ	415-48642-00	415-48642-00	415-48642-00
11	Thermostat Protector	223-40399-00	223-40399-00	223-40399-00
12	Access Cover	243-36618-02	243-36618-02	243-36618-02
13	Access Cover w/Collector Supply Opening	- - -	243-41246-00	243-41246-00
14	Brass Drain Valve	415-42351-02	415-42351-02	415-42351-02
15	Element Gasket	223-34019-00	223-34019-00	223-34019-00
16	ASSE Approved Mixing Valve	239-51778-00	239-51778-00	239-51778-00
17	Solar Bracket	243-51282-01 ²	243-51282-01 ²	243-51282-01 ²
18	Solar/Thermostat Mounting Bracket	243-51282-02 ²	243-51282-02 ²	243-51282-02 ²

* Denotes Warranty Years

¹ For Serial Numbers Prior to GL14189366

² For Serial Numbers After and Including GL14189366

μ For other voltage and wattage combinations, refer to heating elements on page 4 & 5.

Anode may need to be cut to length, please see page 6 for reference chart of anode length by model.

Heating Elements (Copper):

Wattage	120 Volt	208 Volt	240 Volt	277 Volt	380 Volt	415 Volt	480 Volt	600 Volt
1000W	415-42540-01	415-42544-01	415-42546-01	N/A	N/A	N/A	N/A	N/A
1250W	N/A	N/A	415-42544-13	N/A	N/A	N/A	N/A	N/A
1500W	415-42540-02	415-42544-03	415-42544-01	415-42546-01	415-42551-12	N/A	415-42553-09	N/A
1500W (LWD)	415-42540-03	N/A	415-42544-02	N/A	N/A	N/A	N/A	N/A
2000W	415-42540-04	415-42544-04	415-42544-03	415-42547-07	415-42549-04	415-42551-12	415-42553-01	N/A
2500W	415-42540-05	415-42544-06	415-42544-04	415-42547-11	415-42551-13	415-42549-04	415-42553-10	N/A
3000W	415-42540-07	415-42544-14	415-42544-15	415-42547-08	415-42551-10	415-42551-13	415-42553-08	N/A
3500W	N/A	415-42544-08	415-42544-06	N/A	415-42551-14	415-42551-10	N/A	N/A
3800W	N/A	N/A	415-42546-10	N/A	N/A	N/A	N/A	N/A
4000W	N/A	415-42544-16	415-42544-14	415-42547-03	415-42551-16	415-42551-14	415-42553-03	N/A
4500W	N/A	415-42544-12	415-42544-08	415-42547-12	415-42551-17	415-42551-15	415-42553-11	N/A
4500W (LWD)	N/A	N/A	220-51333-08	N/A	N/A	N/A	N/A	N/A
5000W	N/A	415-42543-04	415-42544-10	415-42546-10	415-42551-18	415-42551-16	415-42553-12	N/A
5500W	N/A	415-42543-05	415-42544-16	N/A	415-42549-06	415-42551-17	N/A	N/A
6000W	N/A	415-42543-06	415-42544-12	415-42547-14	415-42549-05	415-42551-18	415-42553-14	N/A
Element gasket ^	223-34019-00	223-34019-00	223-34019-00	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	223-34020-00	223-34020-00	223-34020-00

(LWD) = Low Watt Density

^ Element gaskets should be ordered with elements.

Heating Elements (Incoloy):

Wattage	120 Volt	208 Volt	240 Volt	277 Volt	380 Volt	415 Volt	480 Volt	600 Volt
1000W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1250W	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1500W	415-42541-02	415-42545-02	415-42545-13	N/A	415-42551-12	415-42551-11	N/A	N/A
1500W (LWD)	N/A	N/A	N/A	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	415-42551-12	415-42553-01	N/A
2500W	N/A	415-42545-11	415-42545-14	N/A	415-42551-13	N/A	N/A	N/A
3000W	N/A	415-42545-12	415-42545-15	415-42547-08	415-42551-10	415-42551-13	415-42553-08	N/A
3500W	N/A	415-51328-07	415-42545-11	N/A	415-42551-14	415-42551-10	N/A	N/A
3800W	N/A	N/A	415-42547-15	N/A	N/A	N/A	N/A	N/A
4000W	N/A	415-42545-17	415-42545-12	415-42547-03	415-42551-16	415-42551-14	415-42553-03	N/A
4500W	N/A	415-42545-19	415-51328-07	415-42547-12	415-42551-17	415-42551-15	415-42553-11	N/A
4500W (LWD)	N/A	N/A	N/A	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	415-42551-16	415-42553-12	N/A
5500W	N/A	415-42543-05	415-42545-17	415-42547-13	415-42549-06	415-42551-17	415-42553-13	N/A
6000W	N/A	415-42543-06	415-42545-19	415-42547-14	415-42549-05	415-42551-18	415-42553-14	N/A
Element gasket ^	223-34019-00	223-34019-00	223-34019-00	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	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.

^ Element gaskets should be ordered with elements.

Reference Chart of Anode Length by Model

Model	AOD Anode Cut Length (End to end)	
	Inches	Millimeters
MS65R	47.13	1197
MS80R	50.63	1286
MS120R	51.13	1303



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>
Orders	<i>ca.orders@bradfordwhite.com</i>
Service Parts	<i>bwccwarranty@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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