



TECHNICAL **DIAGRAMS**



GRSDS-30

01706 353 633

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**IMPORTANT NOTE:**

Locate the Specification Label on unit to determine exact Model Name and electrical specifications. This information is needed to identify the correct replacement parts. See exploded view illustration(s) for Specification Label location.

CAUTION

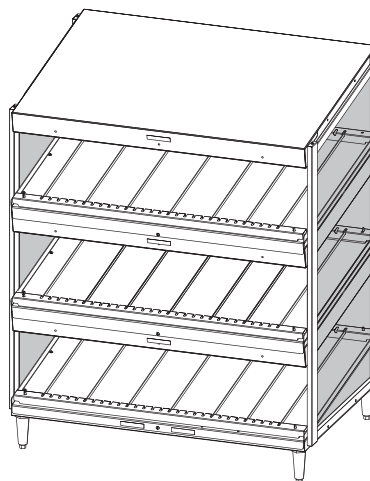
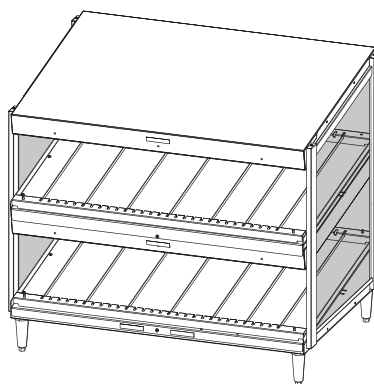
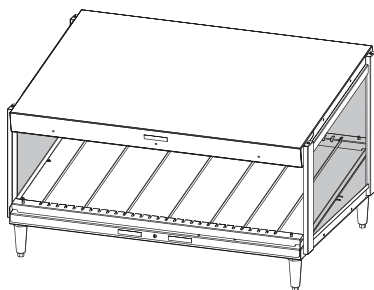
Use of replacement parts other than those supplied by Hatco Corporation may result in damage to unit or injury to personnel and will void all warranties.

Glo-Ray®

Merchandising Display Warmers

GRSDS Series

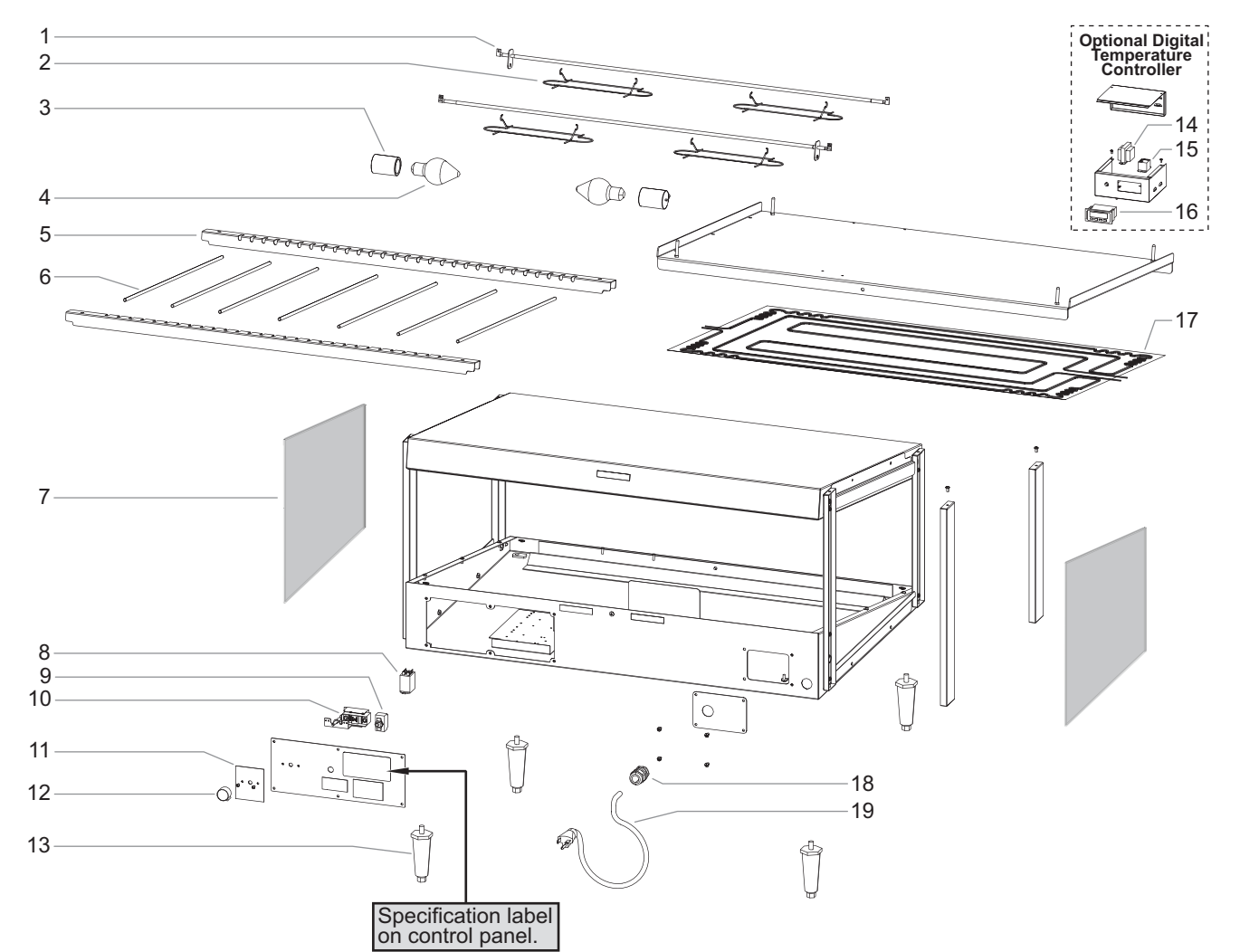
<u>Model Name</u>	<u>Page</u>	<u>Model Name</u>	<u>Page</u>	<u>Model Name</u>	<u>Page</u>
GRSDS-24	2	GRSDS-24D	4	GRSDS-24T	6
GRSDS-30	2	GRSDS-30D	4	GRSDS-36T	6
GRSDS-36	2	GRSDS-36D	4		
GRSDS-41	2	GRSDS-41D	4		
GRSDS-52	2	GRSDS-52D	4		
GRSDS-60	2	GRSDS-60D	4		



Replacement Parts List

Hatco Glo-Ray Merchandising Warmer

GRSDS — Single Shelf Models



Item	Description	Part No.	Qty.
1	Calrod Element		
	24" Width, 120 V	R02.08.225D.00	2
	30" Width, 120 V	R02.08.222D.00	2
	36" Width, 120 V	R02.08.223D.00	2
	41" Width, 120 V	R02.08.224D.00	2
	52" Width, 120 V	R02.08.212D.00	2
	60" Width, 120 V	R02.08.262D.00	2
	24" Width, 220–230, 230–240 V	R02.08.225D.00	2
	30" Width, 220, 240, 220–230, 230–240 V	R02.08.232E.00	2
	36" Width, 220, 240, 220–230, 230–240 V	R02.08.228E.00	2
	41" Width, 220, 240, 220–230, 230–240 V	R02.08.229E.00	2
	52" Width, 220, 240, 220–230, 230–240 V	R02.08.230E.00	2
	60" Width, 220, 240, 220–230, 230–240 V	R02.08.264E.00	2

Item	Description	Part No.	Qty.
2	Wire Guard	04.37.145.00	2–8
3	Light Socket		
	24" Widths	02.30.045.00	1
	30" through 60" Widths	02.30.045.00	2–5
4	Light Bulb		
	120 V	02.30.043.00	2–5
	240 V	02.30.058.00	2–5
5	Divider Rods	04.15.112.00	5–12
6	Channel Divider		
	24" Width	04.15.054.00	2
	30" Width	04.15.753.00	2
	36" Width	04.15.754.00	2
	41" Width	04.15.755.00	2
	52" Width	04.15.756.00	2
	60" Width	04.15.075.00	2
7	Glass Side Panel	04.40.041.00	2

GRSDS — Single Shelf Models

Item	Description	Part No.	Qty.
8	Relay	02.01.088.00	1
9	On/Off Switch	02.19.008A.00	1
10	Thermostat, Base	02.16.002.00	1
11	Label, Thermostat	07.01.189.00	1
12	Knob, Thermostat	05.30.018.00	1
13	Leg, 4"	05.30.007.00	4
14	Transformer *		
	120 V	02.17.022.00	1
	220, 240 V	02.17.023.00	1
	220–230, 230–240 V	02.17.035.00	1
15	Relay *	R02.01.050.00	2
16	Digital Temperature Control *	R02.01.259.00	1
	Probe, Digital Temperature Control *	02.01.261.00	1
17	Blanket Heating Element		
	24" Width, 120 V	02.05.319.00	1
	30" Width, 120 V	02.05.213.00	1
	36" Width, 120 V	02.05.211.00	1
	41" Width, 120 V	02.05.209.00	1
	52" Width, 120 V	02.05.205.00	1
	60" Width, 120 V	02.05.287.00	1
	24" Width, 220–230, 230–240 V	02.05.100.00	3
		02.05.131.00	2
	30" Width, 220, 240, 220–230, 230–240 V	02.05.222.00	1
	36" Width, 220, 240, 220–230, 230–240 V	02.05.220.00	1
	41" Width, 220, 240, 220–230, 230–240 V	02.05.218.00	1
	52" Width, 220, 240, 220–230, 230–240 V	02.05.216.00	1
	60" Width, 220, 220–230 V	02.05.289.00	1
	60" Width, 240, 230–240 V	02.05.291.00	1
18	Cord Grip		
	120 V	02.20.330.00	1
	120 V (Canada)	02.20.440.00	1
	220, 240, 220–230, 230–240 V	R02.20.259.00	1
19	Power Cord and Plug		
	120 V, 24"–52" Width, NEMA 5-15P	R02.18.030.00	1
	120 V, 60" Width, NEMA 5-15P	R02.18.154.00	1
	120 V, 60" Width, NEMA 5-20P (Canada)	02.18.089.00	1
	240, 220–230, 230–240 V, 6 A, BS-1363	02.18.066.00	1
	240, 220–230, 230–240 V, 13 A, BS-1363	02.18.068.00	1
	240 V, AS 3112 (Australia)	02.18.104.00	1
	220, 220–230 V, CEE 7/7 Schuko	02.18.077.00	1

Item	Description	Part No.	Qty.
20	Flip-Up Doors (optional)		
	24" Width	SDS24FLIP	1
	30" Width	SDS30FLIP	1
	36" Width	SDS36FLIP	1
	41" Width	SDS41FLIP	1
	52" Width	SDS52FLIP	1
	60" Width	SDS60FLIP	1
	Wiring Diagram		
	Thermostat Control		
	120 V, 24"–60" Width	10-01-966	
	220, 240, 220–230, 230–240 V, 30"–60" Width	10-01-966	
	220, 240 V, 24" Width	HS1-3689	
	220–230, 230–240 V, 24" Width	HS1-4139	
	Digital Temperature Control		
	120 V, 24"–60" Width	10-01-964	
	220, 240, 220–230, 230–240 V, 30"–60" Width	10-01-964	
	220, 240 V, 24" Width	HS1-3687	
	220–230, 230–240 V, 24" Width	HS1-4146	

*NOTE: The last four digits in a ten digit numerical serial number are the manufacturing date code: 962506**1404***

Year 2014

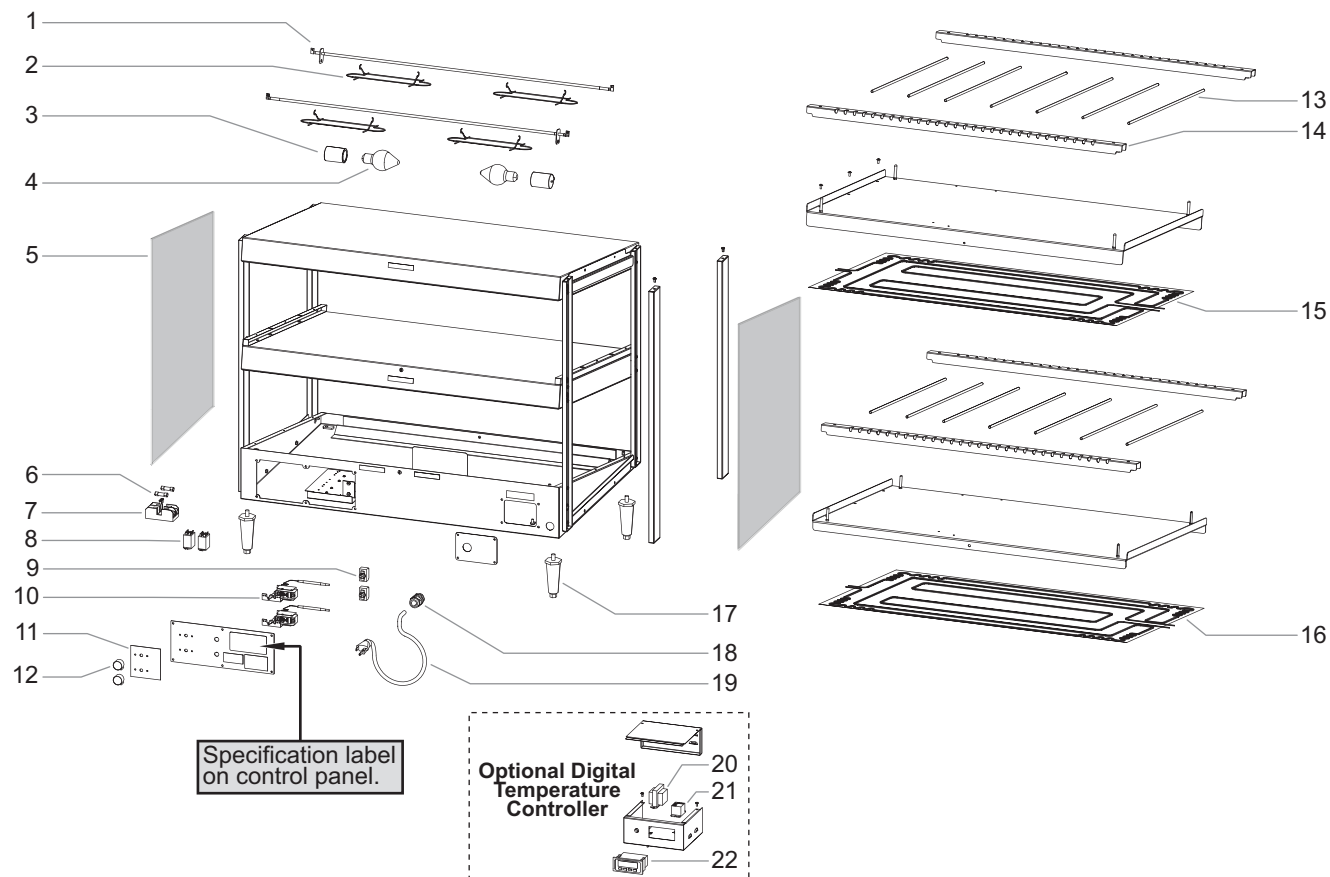
Week Four

* For units with optional Digital Temperature Controller only.

NOTE: Quantities shown as a range (example = "2–4") are dependent upon the width of a unit.

HATCO GLO-RAY MERCHANDISING WARMER

GRSDS — Dual Shelf Models



Item	Description	Part No.	Qty.
1	Calrod Element		
	24" Width, 120 V	R02.08.225D.00	4
	30" Width, 120 V	R02.08.222D.00	4
	36" Width, 120 V	R02.08.223D.00	4
	41" Width, 120, 120/208-240 V	R02.08.224D.00	4
	52" Width, 120, 120/208-240 V	R02.08.212D.00	4
	60" Width, 120/208-240 V	R02.08.262D.00	4
	24" Width, 220, 240, 220-230, 230-240 V	R02.08.225D.00	4
	30" Width, 220, 240, 220-230, 230-240 V	R02.08.232E.00	4
	36" Width, 220, 240, 220-230, 230-240 V	R02.08.228E.00	4
	41" Width, 220, 240, 220-230, 230-240 V	R02.08.229E.00	4
	52" Width, 220, 240, 220-230, 230-240 V	R02.08.230E.00	4
	60" Width, 220, 240, 220-230, 230-240 V	R02.08.264E.00	4

Item	Description	Part No.	Qty.
2	Wire Guard	04.37.145.00	4-16
3	Light Socket		
	24" Widths	02.30.045.00	2
	30" through 60" Widths	02.30.044.00	4-10
4	Light Bulb		
	120 V	02.30.043.00	4-10
	240 V	02.30.058.00	4-10
5	Glass Side Panel	04.40.038.00	2
6	Fuse (2 pack)	R02.03.052.02	2
7	Fuse Block	02.03.022.00	1
8	Relay	02.01.088.00	2
9	On/Off Switch	R02.19.016.00	2
10	Thermostat, Base	02.16.002.00	2
11	Label, Thermostat	07.01.190.00	1
12	Knob, Thermostat	05.30.018.00	2

GRSDS — Dual Shelf Models

Item	Description	Part No.	Qty.
13	Divider Rods	04.15.112.00	10–24
14	Channel Divider		
	24" Width	04.15.054.00	4
	30" Width	04.15.753.00	4
	36" Width	04.15.754.00	4
	41" Width	04.15.755.00	4
	52" Width	04.15.756.00	4
	60" Width	04.15.075.00	4
15	Blanket Heating Element, Center Shelf		
	24" Width, 120 V	02.05.320.00	1
	30" Width, 120 V	02.05.214.00	1
	36" Width, 120 V	02.05.212.00	1
	41" Width, 120, 120/208-240 V	02.05.209.00	1
	52" Width, 120, 120/208-240 V	02.05.205.00	1
	60" Width, 120/208-240 V	02.05.288.00	1
	24" Width, 220–240 V	02.05.100.00	3
		02.05.131.00	2
	30" Width, 220–240 V	02.05.223.00	1
	36" Width, 220–240 V	02.05.221.00	1
	41" Width, 220–240 V	02.05.219.00	1
	52" Width, 220–240 V	02.05.217.00	1
	60" Width, 220–240 V	02.05.292.00	1
16	Blanket Heating Element, Base		
	24" Width, 120 V	02.05.319.00	1
	30" Width, 120 V	02.05.213.00	1
	36" Width, 120 V	02.05.211.00	1
	41" Width, 120, 120/208-240 V	02.05.210.00	1
	52" Width, 120, 120/208-240 V	02.05.206.00	1
	60" Width, 120/208-240 V	02.05.287.00	1
	24" Width, 220–240 V	02.05.100.00	3
		02.05.131.00	2
	30" Width, 220–240 V	02.05.222.00	1
	36" Width, 220–240 V	02.05.220.00	1
	41" Width, 220–240 V	02.05.218.00	1
	52" Width, 220–240 V	02.05.216.00	1
	60" Width, 220–240 V	02.05.291.00	1
17	Leg, 4"	05.30.007.00	4
18	Cord Grip		
	120 V	02.20.330.00	1–2
	120/208-240 V	R02.20.259.00	1
	220, 240, 220–230, 230–240 V	R02.20.259.00	1
	230–240 V	02.20.440.00	1
19	Power Cord and Plug		
	120 V, NEMA 5-15P	R02.18.030.00	1–2
	120 V, NEMA 5-20P	02.18.089.00	1
	120/208-240 V, NEMA 14-20P	02.18.085.00	1
	120/208-240 V, NEMA L14-20P	02.18.128.00	1
	220, 240, 220–230, 230–240 V, 13 A, BS-1363	02.18.068.00	1
	240 V, AS 3112 (Australia)	02.18.104.00	1
	220, 220–230 V, CEE 7/7 Schuko	02.18.077.00	1

Item	Description	Part No.	Qty.
20	Transformer *		
	120 V	02.17.022.00	2
	220, 240 V	02.17.023.00	2
	220–230, 230–240 V	02.17.035.00	2
21	Relay *	R02.01.050.00	4
22	Digital Temperature Control *	R02.01.259.00	2
	Probe, Digital Temperature Control *	02.01.261.00	2
23	Flip-Up Doors (optional)		
	24" Width	SDS24FLIP	1–2
	30" Width	SDS30FLIP	1–2
	36" Width	SDS36FLIP	1–2
	41" Width	SDS41FLIP	1–2
	52" Width	SDS52FLIP	1–2
	60" Width	SDS60FLIP	1–2
	Wiring Diagram		
	Thermostat Control		
	120 V, 24"–60" Width	10-01-974	
	220, 240, 220–230, 230–240 V, 30"–60" Width	10-01-974	
	220, 240 V, 24" Width	HS2-2798	
	220–230, 230–240 V, 24" Width	HS2-3485	
	Digital Temperature Control		
	120 V, 24"–60" Width	10-01-973	
	220, 240, 220–230, 230–240 V, 30"–60" Width	10-01-973	
	220, 240 V, 24" Width	HS2-2792	
	220–230, 230–240 V, 24" Width	HS2-3492	

*NOTE: The last four digits in a ten digit numerical serial number are the manufacturing date code: 962506**1404***

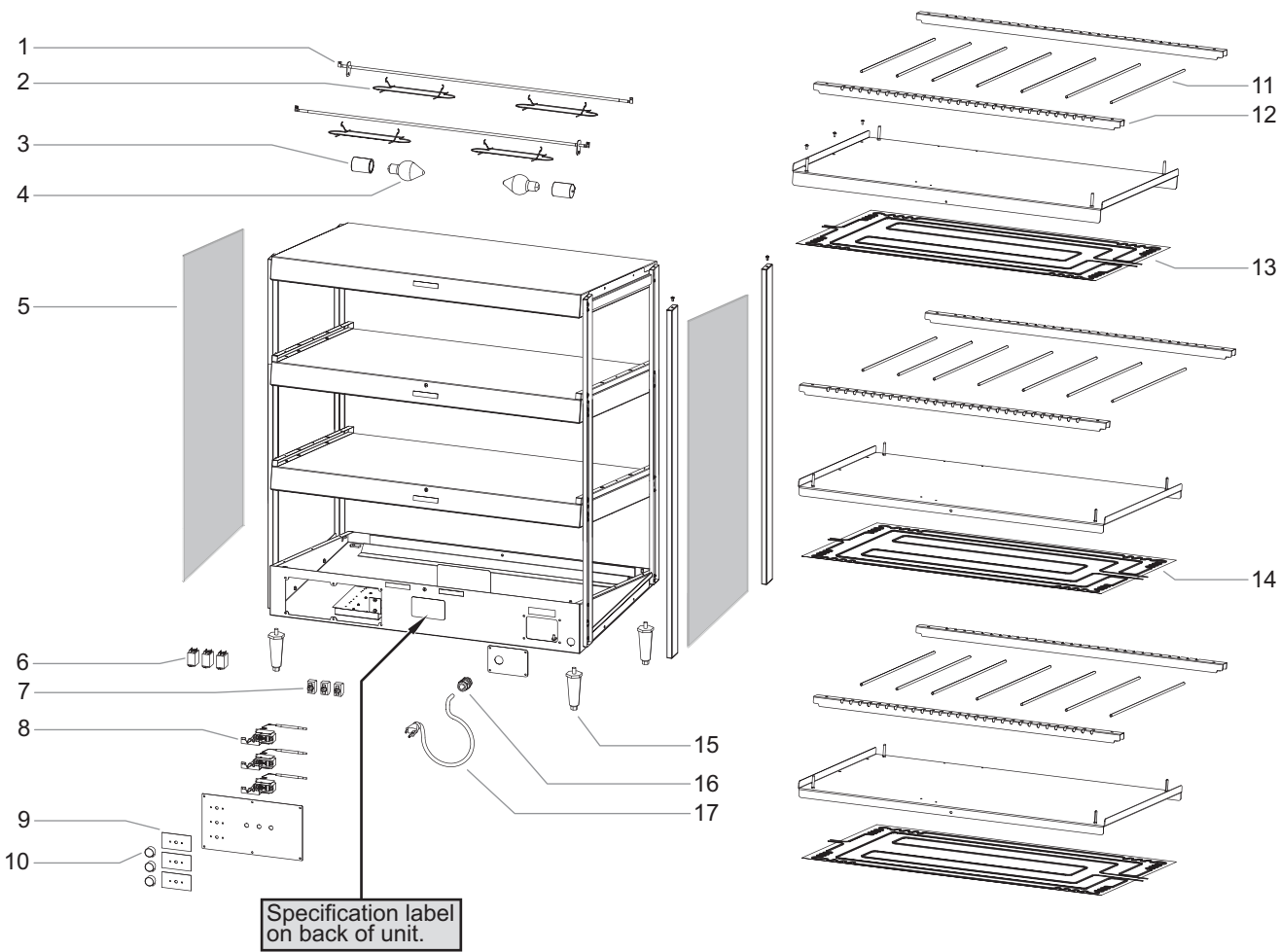
Year 2014 ———
Week Four ———

* For units with optional Digital Temperature Controller only.

NOTE: Quantities shown as a range (example = "2–4") are dependent upon the width of a unit.

HATCO GLO-RAY MERCHANDISING WARMER

GRSDS — Triple Shelf Models



GRSDS — Triple Shelf Models

Item	Description	Part No.	Qty.
1	Calrod Element		
	24" Width, 120 V	R02.08.225D.00	6
	36" Width, 120/208-240 V	R02.08.223D.00	6
2	Wire Guard	04.37.145.00	6–12
3	Light Socket		
	24" Width	02.30.045.00	3
	36" Width	02.30.044.00	6
4	Light Bulb, 120 V	02.30.043.00	6
5	Glass Side Panel	04.40.109.00	2
6	Relay	02.01.236.00	3
7	On/Off Switch	R02.19.016.00	3
8	Thermostat, Base	R02.16.039.00	3
9	Label, Thermostat	07.03.134.00	3
10	Knob, Thermostat	05.30.039.00	3
11	Divider Rods	04.15.112.00	15–21
12	Channel Divider		
	24" Width	04.15.054.00	6
	36" Width	04.15.754.00	6
13	Blanket Heating Element, Center Shelves		
	24" Width, 120 V	02.05.320.00	2
	36" Width, 120/208-240 V	02.05.212.00	2
14	Blanket Heating Element, Base		
	24" Width, 120 V	02.05.319.00	1
	36" Width, 120/208-240 V	02.05.211.00	1

Item	Description	Part No.	Qty.
15	Leg, 4"	05.30.007.00	4
16	Cord Grip	R02.20.259.00	1
17	Power Cord and Plug		
	120 V, NEMA 5-20P	02.18.185.00	1
	120/208-240 V, NEMA L14-20P	02.18.128.00	1
18	Flip-Up Doors (optional)		
	24" Width	SDS24FLIP	3
	36" Width	SDS36FLIP	3
	Wiring Diagram		
	24" Width, 120 V	10-01-606	
	36" Width, 120/208-240 V	10-01-620	

NOTE: The last four digits in a ten digit numerical serial number are the manufacturing date code: 962506**1404**

Year 2014 ———
Week Four ———

NOTE: Quantities shown as a range (example = "2–4") are dependent upon the width of a unit.

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Minnetonka 800-822-2303
x20365

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Kaemmerlen Parts & Service
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