

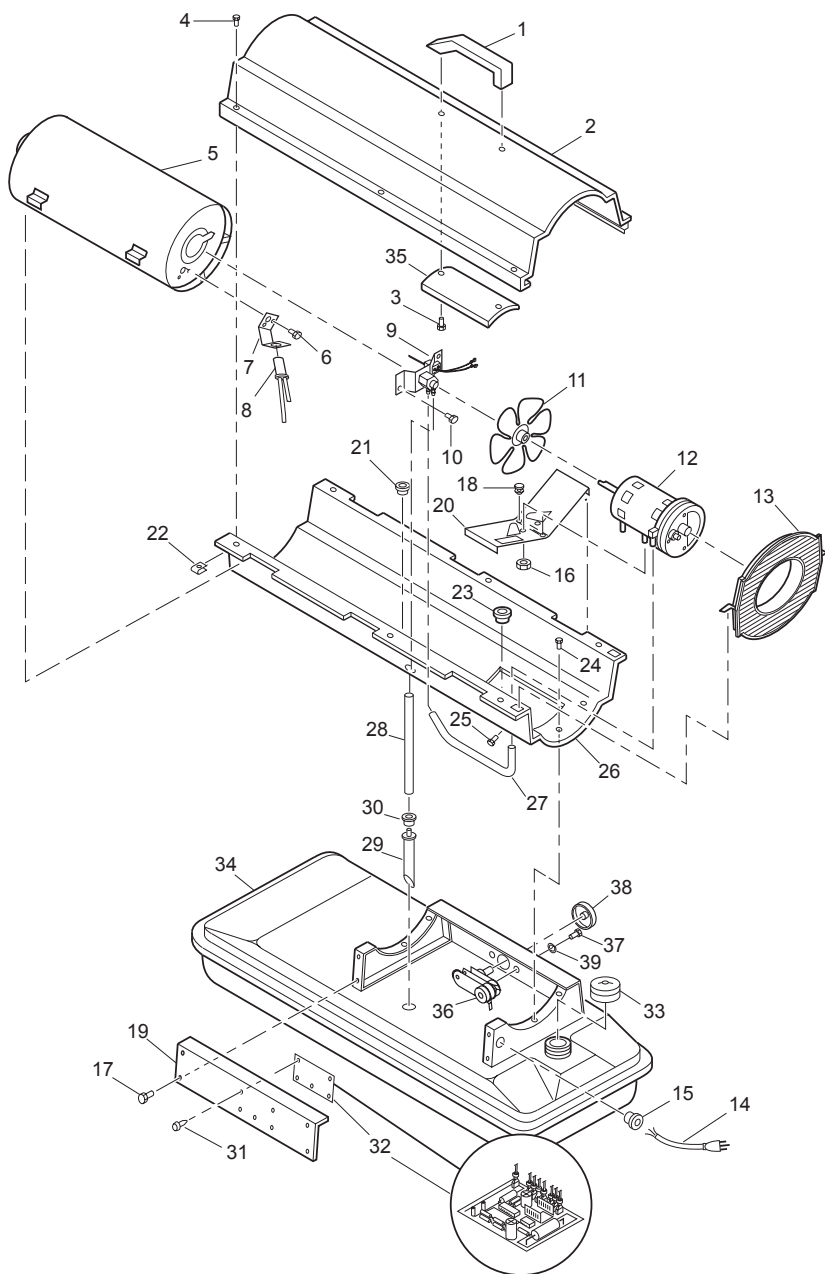
ILLUSTRATED PARTS BREAKDOWN

STANDARD MODELS

R40, REM40, PK40, UK40, TK40, N40

THERMOSTAT MODELS

R40T, REM40T, PK40T, UK40T, TK40T, N40T



PARTS LIST

40 MODELS

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	M51104-01	Handle	1
2	098511-67	Upper Shell (Service Part Will Be Black)	1
3	M11084-29	Screw, #10-16 x 3/4"	2
4	M15823-27	Screw, #10-16 x 1 1/2"	6
5	098512-58	Combustion Chamber	1
6	M10908-2	Screw, #6-32 x 3/8"	2
7	103154-03	Photocell Bracket	1
8	M16656-24	Photocell Assembly	1
9	(See page 26)	Burner Head Assembly	1
10	M11084-26	Screw, #10-16 x 3/8"	2
11	103684-01	Fan	1
12	(See page 27)	Motor and Pump Assembly	1
13	M51105-01	Fan Guard	1
14	098219-38	Power Cord	1
15	M11143-1	Strain Relief Bushing	1
16	NTC-4C	Hex Lock Nut, 1/4-20	2
17	M11084-26	Screw, #10-16 x 3/8"	8
18	M50631	Rubber Bumper	2
19	097461-16	Side Cover	2
20	101205-01	Motor Bracket	1
21	M50104-06	Bushing	1
22	M11271-8	Clip Nut	6
23	M50104-02	Bushing	1
24	M11084-26	Screw, #10-16 x 3/8"	6
25	M10908-14	Screw, #8-32 x 3/8"	1
26	098511-234	Lower Shell (Service Part Will Be Black)	1
27	M50814-06	Rubber Airline	1
28	079973-01	Fuel Line	1
29	M50876-04	Fuel Filter with bushing	1
30	M10990-3	Rubber Bushing	1
31	102349-01	PCB Support	5
32	104068-02	Ignition Control Assembly	1
33	097702-01	Fuel Cap (Includes Gasket)	1
34	108088-01	Fuel Tank	1
35	M51108-01	Shell Heat-Shield	1
36	104458-01	Thermostat	1
37	M12461-18	Screw, #8-32 x 7/8"	1
38	104460-01	Thermostat Knob	1
39	WLE-2	Lock Washer, EXT #8	1
PARTS AVAILABLE - NOT SHOWN			
	103814-01	Wire Tie (For Ignition Control Assembly)	1
	M9900-170	Wire Assembly (Thermostat to Ignition Control Assembly)	1

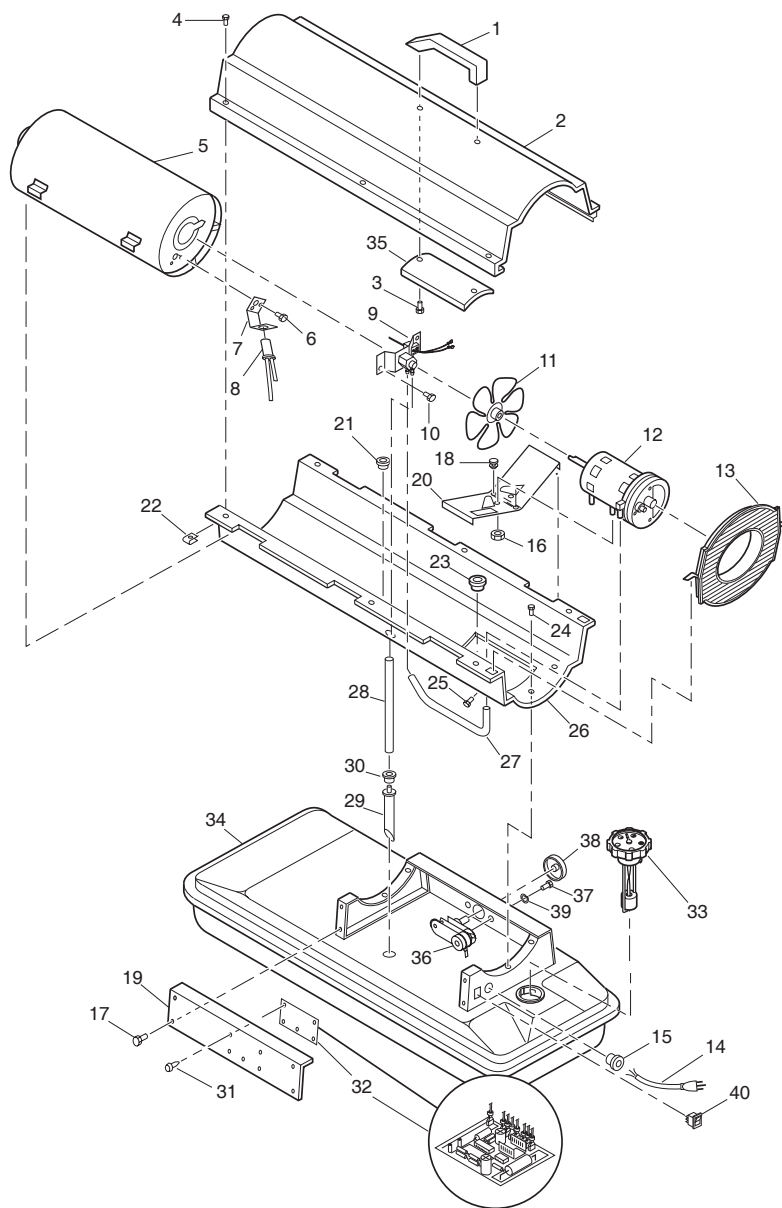
ILLUSTRATED PARTS BREAKDOWN

STANDARD MODELS

R50, REM50, R55C, R60A, PK55, UK55, TK50, TK55, B55C, REM60A, R70E, B70E, RM60A, PK60, UK60, PK70, UK70

THERMOSTAT MODELS

R50T, REM50T, R55CT, R60AT, PK55T, UK55T, TK50T, TK55T, B55CT, REM60AT, R70ET, B70ET, RM60T, PK60T, UK60T, PK70T, UK70T



PARTS LIST

50/55/60/70 MODELS

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	M51104-01	Handle	1
2	098511-67	Upper Shell (Service Part Will Be Black)	1
3	M11084-29	Screw, #10-16 x 3/4"	2
4	M1582 3-27	Screw, #10-16 x 1 1/2"	6
5	098512-50	Combustion Chamber (50/55/60) for use with Ignitor HA1000	1
	098512-76	Combustion Chamber (50/55/60) for use with Ignitor 102548-08	1
	098512-51	Combustion Chamber (70)	1
6	M10908-2	Screw, #6-32 x 3/8"	2
7	103154-03	Photocell Bracket	1
8	M16656-24	Photocell Assembly	1
9	(See page 26)	Burner Head Assembly	
10	M11084-26	Screw, #10-16 x 3/8"	2
11	103684-01	Fan (50/55/60)	1
	M29678	Fan (70)	1
12	(See page 27)	Motor and Pump Assembly	1
13	M51105-01	Fan Guard	1
14	113065-01	Power Cord	1
15	M11143-1	Strain Relief Bushing	1
16	NTC-4C	Hex Lock Nut, 1/4-20	2
17	M11084-26	Screw, #10-16 x 3/8"	8
18	M50631	Rubber Bumper	2
19	097461-16	Side Cover	2
20	101205-01	Motor Bracket	1
21	M50104-06	Bushing	1
22	M11271-8	Clip Nut	6
23	M50104-02	Bushing	1
24	M11084-26	Screw, #10-16 x 3/8"	6
25	M10908-14	Screw, #8-32 x 3/8"	1
26	098511-234	Lower Shell (Service Part Will Be Black)	1
27	M50814-06	Rubber Airline	1
28	079973-01	Fuel Line	1
29	M50876-05	Fuel Filter with bushing	1
30	M10990-3	Rubber Bushing	1
31	102349-01	PCB Support	5
32	104068-02	Ignition Control Assembly	1
33	097663-04	Fuel Cap w/ Gauge (includes Gasket) (Use with Fuel Tank 108088-16)	1
	113280-01	Fuel Cap w/ Gauge (includes Gasket) (Use with Fuel Tank 113279-01)	1
34	108088-16	Fuel Tank (Metal Filler Neck)	1
	113279-01	Fuel Tank (Plastic Filler Neck)	1
35	M51108-01	Shell Heat-Shield	1
36	104458-01	Thermostat	1
37	M12461-18	Screw, #8-32 x 7/8"	1
38	104460-01	Thermostat Knob	1
39	WLE-2	Lock Washer, EXT #8	1
40	113461-01	ON/OFF Switch	1
PARTS AVAILABLE - NOT SHOWN			
	103814-01	Wire Tie (For Ignition Control Assembly)	1
	M9900-170	Wire Assembly (Thermostat to Ignition Control Assembly)	1
	079010-46	Wire Assembly (Connects Switch to Thermostat or Ignition Control)	1

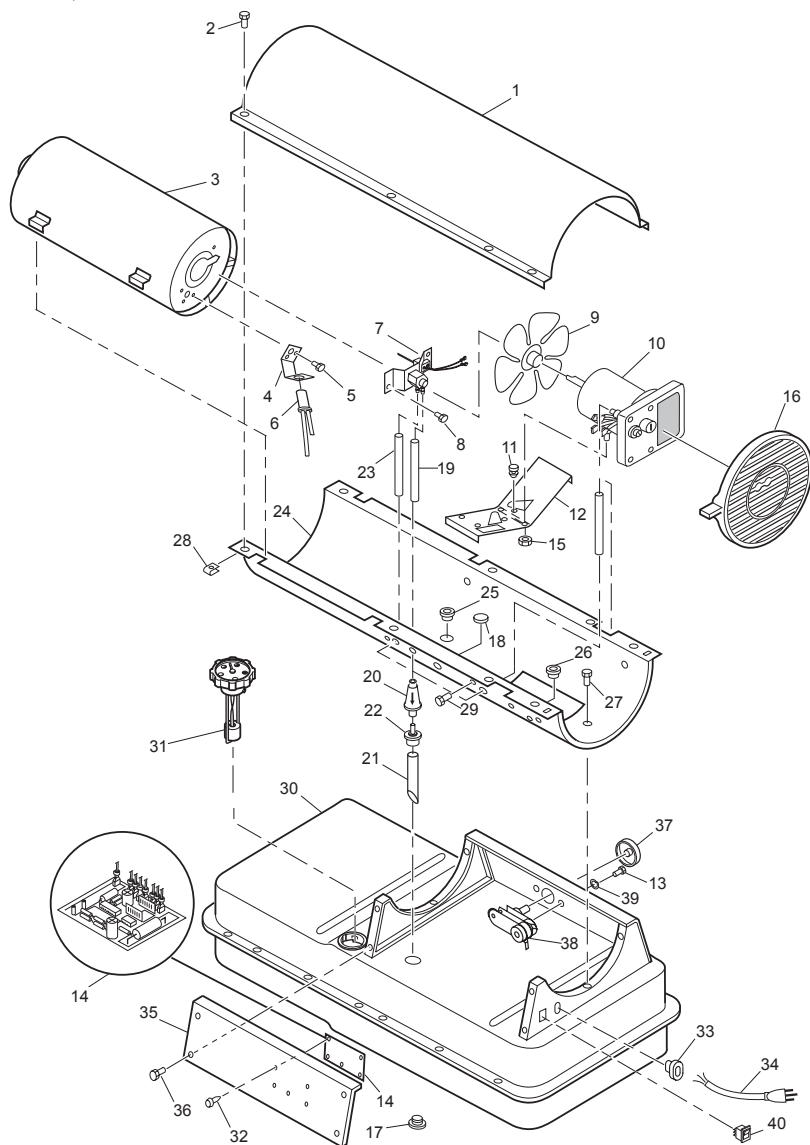
ILLUSTRATED PARTS BREAKDOWN

STANDARD MODELS

PK110, R110D, R115D, B115D, PK115, UK110, TK110, TK115, REM115D, RM115D, B155D, REM155D, R165D, RM155D, PK155, UK155, TK155, B165D, R155D, B110D, RM110D, RM165D, REM110D, REM165D, PK165, UK165

THERMOSTAT MODELS

R110DT, R115DT, B115DT, REM115DT, RM115DT, PK115T, UK110T, TK110T, TK115T, B155DT, REM155DT, R165DT, RM155DT, B165DT, PK155T, UK155T, TK155T, R155DT, B110DT, RM110DT, RM165DT, PK165T, UK165T, TK165T, REM110DT, REM165DT, SB115DT, SB165DT



PARTS LIST

110/115/155/165 MODELS

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	098511-292	Upper Shell (Service Part Will Be Black)	1
2	M15823-27	Screw, #10-16 x 1/2"	8
3	098512-71	Combustion Chamber (110/115)	1
	098512-74	Combustion Chamber (155)	1
	098512-75	Combustion Chamber (165)	1
4	103154-05	Photocell Bracket (110/115)	1
	M16660-02	Photocell Bracket (155/165)	1
5	M10908-2	Screw, #6-32 x 3/8"	2
6	M16656-24	Photocell Assembly	1
7	(See page 26)	Burner Head Assembly	1
8	M11084-26	Screw, #10-16 x 3/8"	2
9	097293-01	Fan (110/115/155)	1
	102042-01	Fan (165)	1
10	(See page 28)	Motor and Pump Assembly	1
11	M50631	Rubber Bumper	2
12	101206-01	Motor Mounting Bracket	1
13	M12461-18	Screw, #8-32 x 7/8"	1
14	104068-02	Ignition Control Assembly	1
15	NTC-4C	Hex Lock Nut, 1/4-20	2
16	111037-01	Fan Guard	1
17	M27417	Drain Plug (Includes "o" Ring)	1
18	107878-02	Button Plug	1
19	M51345-06	Fuel Line	1
20	106896-01	Fuel Filter	1
21	M51151-01	Fuel Line Tube (110/115)	1
	M51151-02	Fuel Line Tube (155/165)	1
22	M10990-3	Rubber Bushing	1
23	M50814-03	Airline	1
24	098511-293	Lower Shell (Service Part Will Be Black)	1
25	M50104-06	Bushing	1
26	M50104-01	Bushing	1
27	M11084-26	Screw, #10-16 x 3/8"	6
28	M11271-8	Clip Nut	8
29	M10908-14	Screw, #8-32 x 3/8"	1
30	108088-11	Fuel Tank (Metal Filler Neck) 110/115	1
	108088-10	Fuel Tank (Metal Filler Neck) 155/165	1
	113279-02	Fuel Tank (Plastic Filler Neck) 110/115	1
	113279-03	Fuel Tank (Plastic Filler Neck) 155/165	1
31	097663-02	Fuel Cap w/ Gauge (includes Gasket) 110/115 (Use with Fuel Tank 108088-11)	1
	097663-03	Fuel Cap w/ Gauge (includes Gasket) 155/165 (Use with Fuel Tank 108088-10)	1
	113280-02	Fuel Cap w/ Gauge (includes Gasket) 110/115 (Use with Fuel Tank 113279-02)	1
	113280-03	Fuel Cap w/ Gauge (includes Gasket) 110/115 (Use with Fuel Tank 113279-03) 155-165	1
32	102349-01	P.C. Board Support	5
33	M11143-1	Strain Relief Bushing	1
34	113065-01	Power Cord	1
35	M51077-18	Side Cover	2
36	M11084-26	Screw, #10-16 x 3/8"	8
37	104460-01	Thermostat Knob	1
38	104458-01	Thermostat	1
39	WLE-2	Lock Washer, EXT #8	1
40	113461-01	ON/OFF Switch with Light	1
	103814-01	Wire Tie (Not Shown - Groups wires connected to Ignition Control Assembly)	1
	M9900-77	Wire (Not Shown - Connects T-stat to Ignition Control Assembly)	1
	079010-46	Wire (Not Shown - Connects ON/OFF Switch to Ignition Control Assembly or Thermostat if Equipped)	1

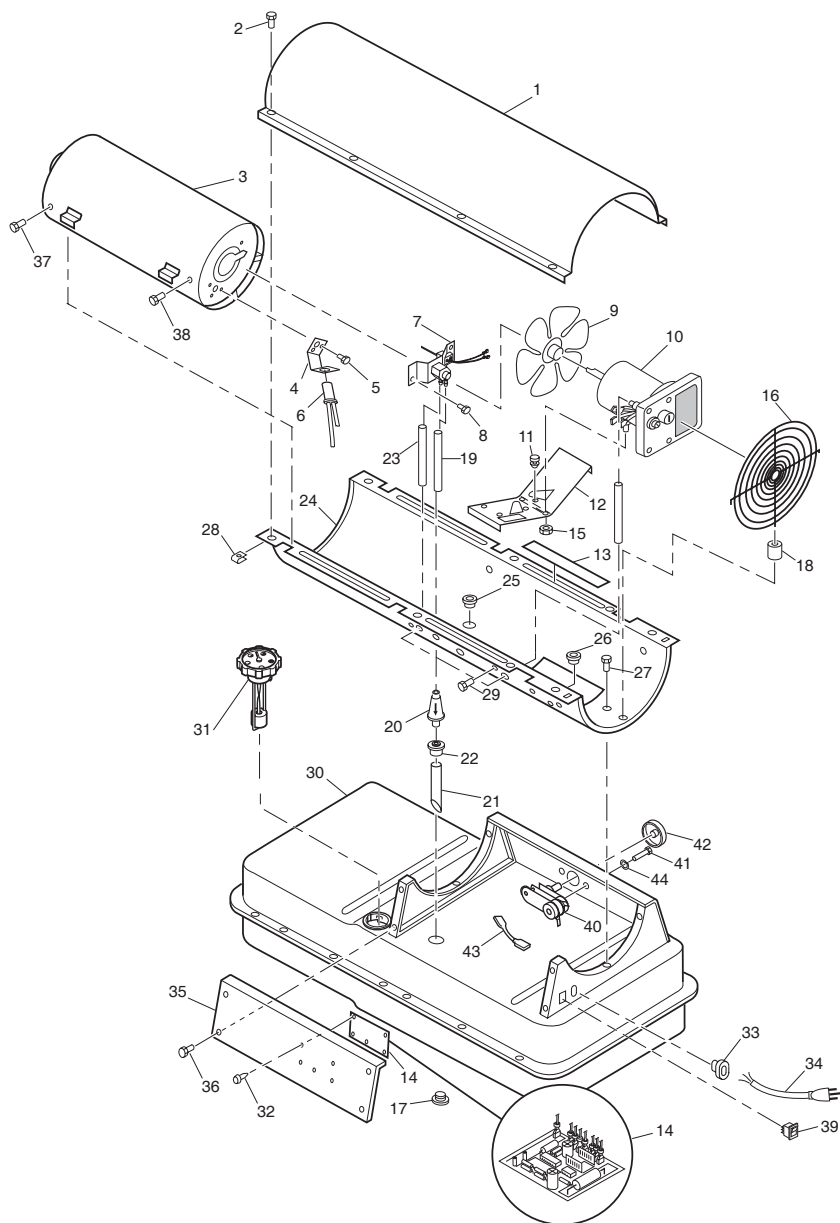
ILLUSTRATED PARTS BREAKDOWN

STANDARD MODELS

R200B, PK200, UK200, TK200

THERMOSTAT MODELS

RM200BT, B200BT, PK200T, UK200T, TK200T, REM200BT, R200BT



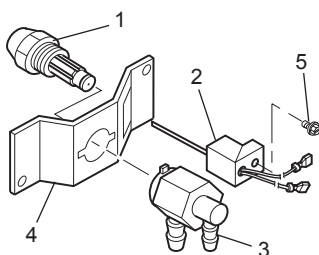
PARTS LIST

200 MODELS

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	107353-10	Upper Shell (Service Part Will Be Black)	1
2	M15823-27	Screw, #10-16 x 1/2"	8
3	098512-78	Combustion Chamber	1
4	M16660	Photocell Bracket	1
5	M10908-2	Screw, #6-32 x 3/8"	2
6	M16656-24	Photocell Assembly	1
7	(See page 26)	Burner Head Assembly	1
8	M11084-26	Screw, #10-16 x 3/8"	2
9	102042-01	Fan	1
10	(See page 29)	Motor and Pump Assembly	1
11	M50631	Rubber Bumper	2
12	101206-01	Motor Mounting Bracket	1
13	097785-04	Foam Gasket	2
14	104068-02	Ignition Control Assembly	1
15	NTC-4C	Hex Lock Nut, 1/4-20	2
16	102756-01	Fan Guard	1
17	M27417	Drain Plug (Includes "o" Ring)	1
18	103523-01	Rubber Bushing	1
19	M51345-03	Fuel Line (Models with Fuel Valve Assembly)	1
	M51345-04	Fuel Line (Models without Fuel Valve Assembly)	1
20	M51150-01	Fuel Filter	1
21	M51345-04	Fuel Line Tube (Models with Fuel Valve Assembly)	1
	M51151-02	Fuel Line Tube (Models without Fuel Valve Assembly)	1
22	M10990-3	Rubber Bushing	1
23	M50814-03	Airline	1
24	107353-11	Lower Shell (Service Part Will Be Black)	1
25	M50104-06	Bushing	2
26	M50104-01	Bushing	1
27	M11084-26	Screw, #10-16 x 3/8"	6
28	M11271-8	Clip Nut	8
29	M10908-14	Screw, #8-32 x 3/8"	1
30	108088-17	Fuel Tank (Metal Filler Neck)	1
	113279-04	Fuel Tank (Plastic Filler Neck)	1
31	097663-03	Fuel Cap w/ Gauge (includes Gasket) (Use with Fuel Tank 108088-17)	1
	113280-03	Fuel Cap w/ Gauge (includes Gasket) (Use with Fuel Tank 113279-04)	1
32	102349-01	P.C. Board Support	5
33	M11143-1	Strain Relief Bushing	1
34	113065-01	Power Cord	1
35	107333-04AA	Side Cover	1
36	M11084-26	Screw, #10-16 x 3/8"	8
37	099230-01	Screw, Special	2
38	M11084-27	Screw, #10-16 x 1/2"	2
39	113461-01	ON/OFF Switch with Cover	1
40	104458-01	Thermostat	1
41	M12461-18	Screw, #8-32 x 7/8"	1
42	104460-01	Thermostat Knob	1
43	079010-35	Wire Assembly	1
44	WLE-2	Lock Washer, EXT #8	1
	103814-01	Wire Tie (Not Shown - For Ignition Control Assembly)	1
	100621-06	Thermostat Decal (Not Shown)	1
	079010-46	Wire (Not Shown - For ON/OFF Switch)	1

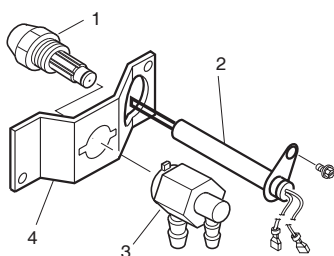
ILLUSTRATED PARTS BREAKDOWN

BURNER HEAD ASSEMBLY FOR 40/50/55/60/70 MODELS WITH HA1000 IGNITOR



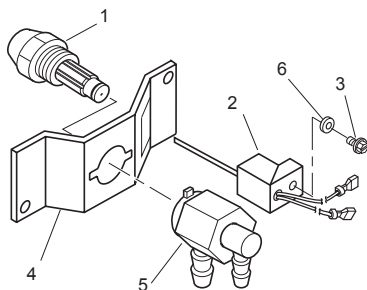
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	HA3006	Nozzle Assembly (40)	1
	HA3024	Nozzle Assembly (50/55/60)	1
	HA3026	Nozzle Assembly (70)	1
2	HA1000	Ignitor Kit	1
3	104056-01	Nozzle Adapter	1
4	102336-01	Nozzle Adapter Bracket	1
5	M10908-75	Screw, Hex Head, Tapping	1
6	103347-01	Belleville Washer	1

BURNER HEAD ASSEMBLY FOR 50/55/60 MODELS WITH 102548-08 IGNITOR



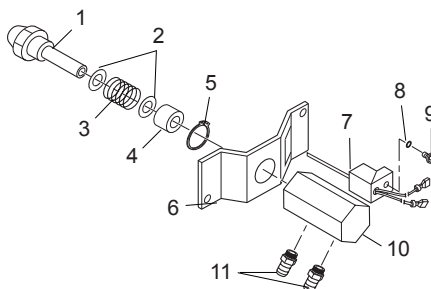
KEY NO.	PART NO.	DESCRIPTION	QTY.
1	HA3024	Nozzle Assembly	1
2	HA1100	Ignitor Kit	1
3	102336-05	Nozzle Adapter Bracket	1
4	104056-01	Nozzle Adapter	1

BURNER HEAD ASSEMBLY FOR 110/115/155/165 MODELS



KEY NO.	PART NO.	DESCRIPTION	QTY.
1	HA3027	Nozzle Assembly (110/115)	1
	HA3028	Nozzle Assembly (155/165)	1
2	HA1000	Ignitor Kit	1
3	M10908-75	Screw, #6-32 x 7/8"	1
4	102336-01	Nozzle Adapter Bracket	1
5	104054-01	Nozzle Adapter	1
6	103347-01	Washer	1

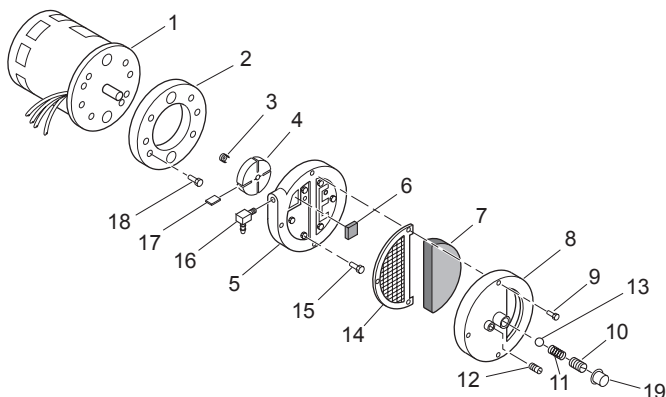
NOZZLE/BURNER HEAD ASSEMBLY FOR 200 MODELS



KEY NO.	PART NO.	DESCRIPTION	QTY.
1	100735-13	Nozzle Assembly	1
2	M10659-1	Nozzle Washer	2
3	M10809-1	Nozzle Spring	1
4	M8882	Nozzle Sleeve	1
5	107272-01	Retaining Ring	1
6	102336-03	Nozzle Adapter Bracket	1
7	HA1000	Ignitor Kit	1
8	103347-01	Belleville Washer	1
9	M10908-75	Screw, #6-32 x .88	1
10	107273-01	Nozzle Adapter	1
11	M50820-02	Barb Fitting	1

ILLUSTRATED PARTS BREAKDOWN

MOTOR AND PUMP ASSEMBLY FOR 40/50/55/60/70 MODELS



KEY

NO.	PART NO.	DESCRIPTION	QTY.
1	102001-28	Motor (40/50/55/60)	1
	102001-29	Motor (70)	1
2	079975-03	Pump Body (50/55/60)	1
	079975-02	Pump Body (40/70)	1
3	M22009** ***	Insert	1
4	M22456-2**	Rotor (50/55/60)	1
	M22456-1***	Rotor (40/70)	1
5	M29608	Pump End Cover	1
6	M29632 ⊕	Lint Filter	1
7	M29633 ⊕	Intake Filter	1
8	M29609	Filter End Cover	1
9	M12461-31	Screw, #10-32 x 1"	3
10	M27694 ∞	Adjusting Screw	1
11	M10993-1 ∞	Pressure Relief Spring	1
12	M22997 ∞	Plug	1
13	M8940 ∞	Steel Ball, 1/4" Diameter	1
14	M29612-01 ⊕	Output Filter	1
15	M12461-32	Screw, #10-32 x 1 1/8" (50/55/60)	6
	M12461-31	Screw, #10-32 x 1" (40/70)	6
16	103676-01	Nylon Elbow, 90°	1
17	M8643-2**	Blade (50/55/60)	4
	M8643***	Blade (40/70)	4
18	FHPF3-6C	Screw, #10-32 x 3/4" (50/55/60)	2
	FHPF3-5C	Screw, #10-32 x 5/8" (40/70)	2
19	105780-01	Plastic Cap	1

** Included in Rotor Kit (Part No. HA3005)

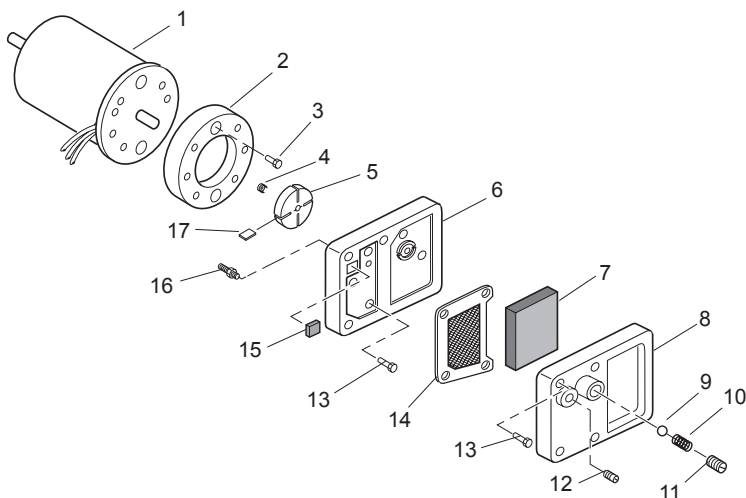
*** Included in Rotor Kit (Part No. HA3004)

⊕ Included in Filter Kit (Part No. HA3014)

∞ Included in Pump Adjustment Kit (Part No. HA3020)

ILLUSTRATED PARTS BREAKDOWN

MOTOR AND PUMP ASSEMBLY FOR 110/115/155/165 MODELS



KEY

NO.	PART NO.	DESCRIPTION	QTY.
1	102001-30	Motor	1
2	079975-02	Pump Body	1
3	FHPF3-5C	Screw, #10-32 x 5/8"	2
4	M22009**	Rotor Insert	1
5	M22456-1**	Pump Rotor	1
6	M50545	Pump End Cover	1
7	M12179***	Intake Filter	1
8	M16545	Filter End Cover	1
9	M8940∞	Steel Ball, 1/4" Diameter	1
10	M10993-1∞	Relief Spring	1
11	M27694∞	Adjusting Screw	1
12	M22997∞	Plug	1
13	M12461-31	Screw, #10-32 x 1"	10
14	M12244-1***	Output Filter	1
15	M11637***	Lint Filter	1
16	104096-01	Fitting, Straight Nylon Barb	1
17	M8643**	Blade	4

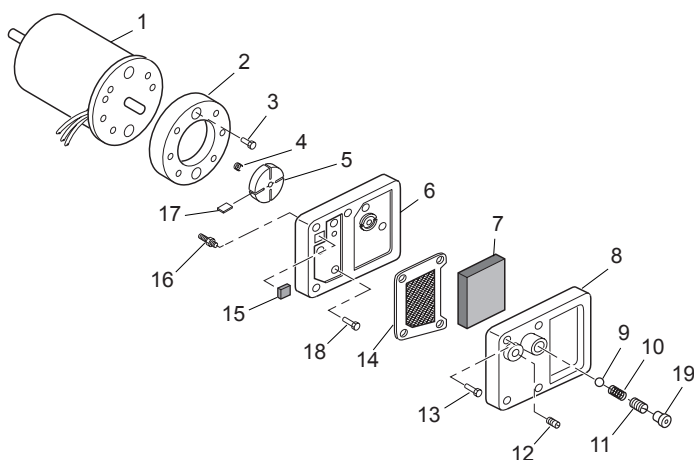
** Included in Rotor Kit (Part No. HA3004)

*** Included in Filter Kit (Part No. HA3017)

∞ Included in Pump Adjustment Kit (Part No. HA3020)

ILLUSTRATED PARTS BREAKDOWN

MOTOR AND PUMP ASSEMBLY FOR 200 MODELS



KEY

NO.	PART NO.	DESCRIPTION	QTY.
1	102001-27	Motor	1
2	079975-03	Pump Body	1
3	FHPF3-6C	Screw, #10-32 x 5/8"	2
4	M22009**	Rotor Insert	1
5	M22456-2**	Pump Rotor	1
6	M50545	Pump End Cove	1
7	M12179***	Intake Filter	1
8	M16545	Filter End Cover	1
9	M8940∞	Steel Ball, 1/4" Diameter	1
10	M10993-1∞	Relief Spring	1
11	M27694∞	Adjusting Screw	1
12	M22997∞	Plug	1
13	M12461-31	Screw, #10-32 x 1"	4
14	M12244-1***	Output Filter	1
15	M11637***	Lint Filter	1
16	M50820-02	Barb Fitting	1
17	M8643-2**	Blade	4
18	M12461-32	Screw, #10-32 x 1.12"	6
19	105780-01	Plastic Cap	1

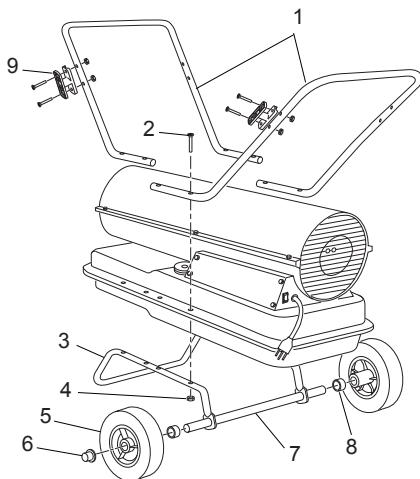
*** Included in Filter Kit (Part No. HA3017)

** Included in Rotor Kit (Part No. HA3005)

∞ Included in Pump Adjustment Kit (Part No. HA3020)

ILLUSTRATED PARTS BREAKDOWN

WHEELS AND HANDLE PARTS LIST



KEY

NO.	PART NO.	DESCRIPTION	QTY.
1	HA2303	Handle (110/115)	2 (If Equipped)
	HA2304	Handle (155/165/200)	2 (If Equipped)
2	M12345-33	Screw, #10-24 x 1 3/4"	6 or 8
3	M12342-3	Wheel Support Frame (110/115)	1
	M12831-5	Wheel Support Frame (155/165/200)	1
4	NTC-3BZ	Hex Nut, #10-24	6 or 8
5	107426-01	Wheel Kit (110/115) (Contains 2 Wheels and Cap Nuts)	1
	113326-01	Pneumatic Wheel Kit (155/165/200) (Contains 2 Wheels, Cap Nuts, & Spacers)	1
6	M28526	Cap Nut	2
7	M51015-01	Axle (110/115)	1
	M16801-5	Axle (155/165/200)	1
8	113497-01	Wheel Spacer (155/165/200 only)	2
9	113193-01	Cord Cleat Kit (Contains 2 Cleats, 4 Nuts and 4 Bolts)	1 (If Equipped)