



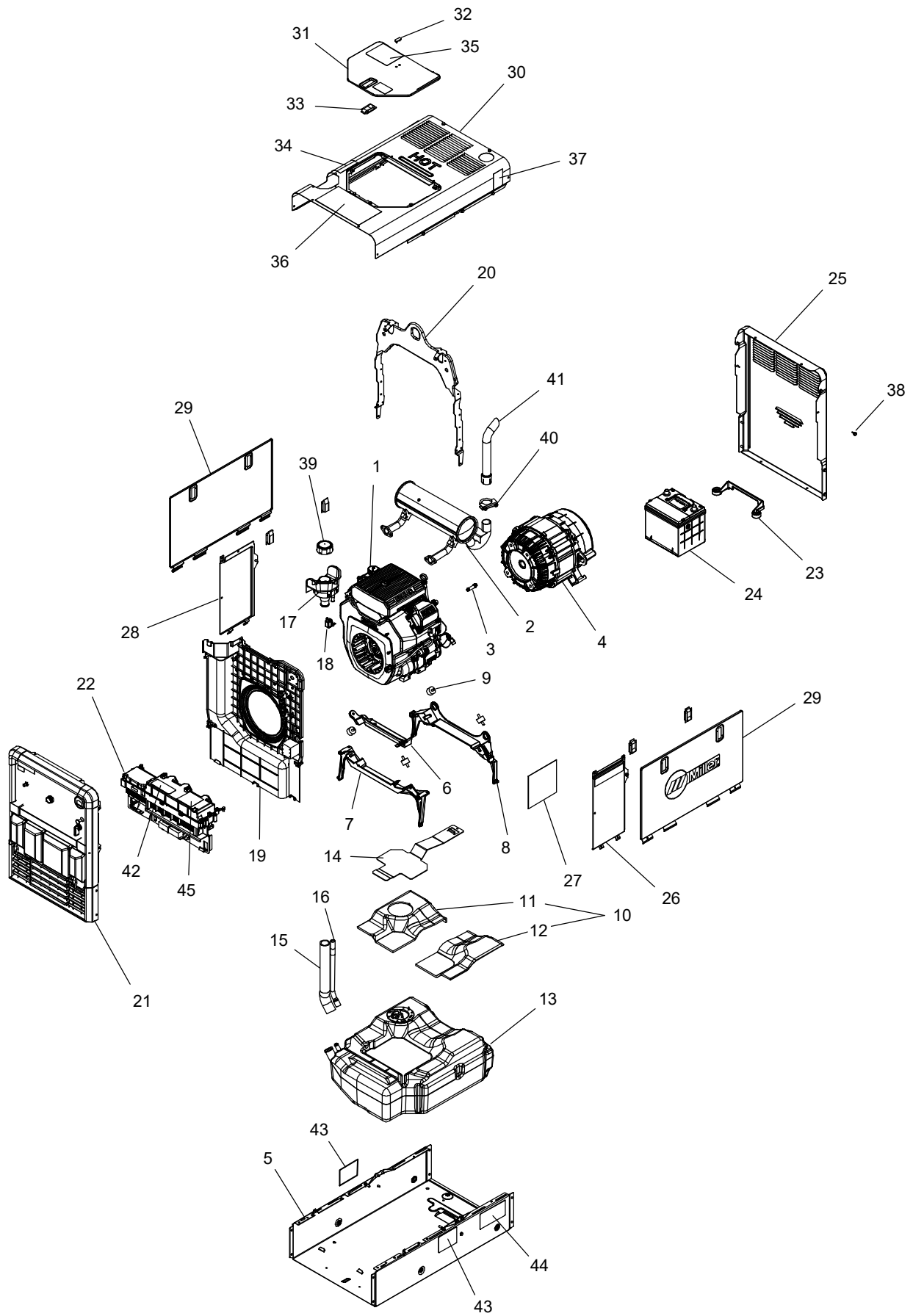
PM- 295851 D

Bobcat 230 3 Phase

Effective with Serial Number
NE080519R - ZZ222222R



PARTS MANUAL



Main Assembly

Main Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		288993	Engine, Koh Gas Elec w/Mechanical Choke Ch730-3343	1
*		292928	Regulator, Voltage (Kohler)	1
*		190248	Fuel Pump	1
*		283588	Pump, Fuel Electric 12 Vdc 1-2 PSI (High Altitude)	1
*	F6	215621	Fuse, 30 Amp Ato Type	1
*		284083	↓ Tune-Up & Filter, Kohler (ECH730-3082)	
		230016	→ Air Filter, Kohler (CH23)	1
		066698	→ Filter, Oil Kohler (Ch12.5/18/20)	1
		283614	→ Filter, Fuel In-Line .250 Kohler 15um	1
		084173	→ Clamp, Hose .460 - .545 Clip Dia Siftng	2
		067007	→ Spark Plug, Kohler (Ch12.5/18/20) & Briggs Intek 8	2
		230017	→ Air Filter Pre-Cleaner, Kohler (CH23)	1
		199530	Solenoid, Idle	1
		276379	Switch, Oil Pressure (Kohler)	1
2		295769	Muffler, Exhaust Engine (Kohler)	1
3		292326	Spacer, Muffler	1
		289850	Cable, Battery Negative 27.5in 4 Awg .312 Ring NE080519R - NE390083R	1
		297907	Cable, Battery Negative 20.75in 4 Awg .312 Ring NE390084R - ZZ222222R	1
		258598	Cable, Battery Positive 23in 4 Awg .312 Ring NE080519R - NE390083R	1
		297908	Cable, Battery Positive 39in 4 Awg .312 Ring NE390084R - ZZ222222R	1
		293497	Tubing, Corrugated Plastic Slit .500 Dia x 19.000 NE080519R - NE390083R	1
		294261	Tubing, Corrugated Plastic Slit .500 Dia x 35.000 NE390084R - ZZ222222R	1
		231907	Terminal, Header 3 Pin Pc Mtg Str 1 Row Tin NE080519R - NE390083R	1
		296047	Assy, Ground Wires NE390084R - ZZ222222R	1
4		Generator Assembly (See following for subassembly information)		1
5		289349	Base	1
6		289851	Bracket, Mtg Engine (Kohler)	1
7		289575	Bracket, Mtg Base Engine	1
8		289576	Bracket, Mtg Base Generator	1
9		289577	Mount, Vibration	4
10		295154	↓ Assy, Shield,Heat Reflective	1
11		294632	→ Shield, Heat, Reflective (.250 Thk)	1
12		295152	→ Shield, Heat, Reflective, Rh (.250 Thk)	1
		260506	Clamp, Stl Cush .375 Dia x .281 Mtg Hole	1
13		289334	↓ Tank, Fuel 11 Gal w/Sender	1
		293101	→ Sender, Fuel Gauge w/Gasket (Viton Gasket)	1
14		294646	Brkt, Hold Down, Fuel Tank NE470593R - ZZ222222R	1
		252054	Clamp, Vent Hose	1
15		289332	Hose, Fuel Fill	1
16		289612	Hose, Fuel Vent	1
17		291704	Assy, Housing Fuel Fill	1
18		289885	Vent, Fuel Solenoid	1
		292904	↓ Assy, Fuel Line w/Clamps (.250 Id x .500 Od x 5.50 Lg)	1

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		292905	→ Hose, Sae .250 Id x .500 Od x 5.500 Carb Approved	1
		084173	→ Clamp, Hose .460 - .545 Clp Dia Siftng	2
		292913	Hose, Sae .187 Id x .410 Od x 12.00	1
		292941	↓ Assy, Fuel Vent w/Clamps (.187 Id x .410 Od x 24.25 Lg)	1
		292942	→ Hose, Sae .187 Id x .410 Od x 24.25	1
		089120	→ Clamp, Hose .375 - .450 Clp Dia Siftng Green	2
		291116	Block, Stud Connection 8 Position	1
		173734	Link, Jumper	2
19		289884	Baffle, Engine	1
20		289581	Upright, Base	1
	CB2	233040	Supplementary Protector, Man Reset 3P 15A 277 Vac	1
21		Front Panel Assembly (BC 3 Phase) 292328		1
22		286714	Module Assy, Inverter Bobcat	1
		+ 290190	Cover, Inverter	1
		294393	Baffle, Inverter, Bobcat	1
	CT2	289007	Xfmr, Current	1
23		289887	Holddown, Battery	NE080519R - NE390083R 1
		296563	Holddown, Battery	NE390084R - ZZ222222R 1
24		289888	Battery, Stor 12V Gp 26 Maint Free No Handle	NE080519R - NE390083R 1
		297217	Battery, Stor 12V Gp 99R	NE390084R - ZZ222222R 1
25		289350	Panel, Rear	1
26		289945	Panel, Side Rh Miller Blue (289944)	1
27		293971	Insulator, Mylar .014 x 6.750 x 6.750	1
28		289949	Panel, Side Lh Miller Blue (289948)	1
29		294111	Door Assy, Side Service (Blue)	2
		294110	↓ Cover Assy, Top Service	NE080519R - NE390083R 1
30		289562	→ Cover, Top Miller Blue (289351)	1
31		289896	→ Door Assy, Access Engine Top Miller Blue (289895)	1
32		191626	→ Bumper, Door Access Engine	1
		217395	→ Bumper, Door .500 Od x .250 High Nprn 70 Duro	6
33		211370	→ Latch, Door .750 Wide	1
		293385	→ Label, Engine Maint Kohler	1
34		250795	→ Label, Warning Gasoline (EPA) Trilingual	1
		291927	→ Label, Fuel Hour Meter Information	1
35		233088	→ Label, Danger Using A Generator Indoors Can Kill	1
36		290945	→ Label, Warning General Precautionary CSA (Triling)	1
37		292927	→ Label, Warning External Hot Surfaces (Triling)	2
		294110	↓ Cover Assy, Top Service	NE390084R - ZZ222222R 1
		289562	→ Cover, Top Miller Blue (289351)	1
		289896	→ Door Assy, Access Engine Top Miller Blue (289895)	1
		191626	→ Bumper, Door Access Engine	1
		217395	→ Bumper, Door .500 Od x .250 High Nprn 70 Duro	6
		211370	→ Latch, Door .750 Wide	1

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Item No.	Dia. Mkgs.	Part No.	Description	Qty
		297515	→ Label, Engine Maint Kohler	1
		250795	→ Label, Warning Gasoline (EPA) Trilingual	1
		291927	→ Label, Fuel Hour Meter Information	1
		233088	→ Label, Danger Using A Generator Indoors Can Kill	1
		290945	→ Label, Warning General Precautionary CSA (Triling)	1
		292927	→ Label, Warning External Hot Surfaces (Triling)	2
		211370	Latch, Door .750 Wide	5
38		217395	Bumper, Door .500 Od x .250 High Nprn 70 Duro	10
39		255707	Cap, Tank Screw-On w/Exterior Tether	1
		293385	Label, Engine Maint Kohler	1
		233087	Label, Danger Using A Generator Indoors Can Kill	3
40		209057	Clamp, Muffler 1.625 Dia U Pld	1
41		249318	Pipe, Exhaust Elbow	1
		294114	↓ Kit, Label Bobcat 230/260 Pf/3 Phase	NE080519R - NE390083R
42		219844	→ Label, Warning Electric Shock/Exploding Parts-Wdles	1
		290830	→ Label, Bobcat 1.50 x 6.75	2
		293385	→ Label, Engine Maint Kohler	1
		294139	→ Label, Engine Maint Briggs	1
		233088	→ Label, Danger Using A Generator Indoors Can Kill	1
		290945	→ Label, Warning General Precautionary CSA (Triling)	1
		039116	→ Label, High Voltage Test And Ground Ok	1
		250795	→ Label, Warning Gasoline (EPA) Trilingual	1
43		275820	→ Label, Warning Do Not Weld On Base (Tri)	2
44		227913	→ Label, Warning Battery Explosion Can Blind	1
45		227724	→ Label, Warning Moving Parts Can Cause Serious Etc	1
		234534	→ Label, Miller 12.984 x 5.375 Horizontal	2
		264329	→ Label, Notice Do Not Overfill	1
		291927	→ Label, Fuel Hour Meter Information	1
		292927	→ Label, Warning External Hot Surfaces (Triling)	2
		270453	→ Label, Warning Read Owner's Manual Wordless	1
		299407	↓ Kit, Label Bobcat 230/265 Pf/3 Phase	NE390084R - ZZ222222R
		219844	→ Label, Warning Electric Shock/Exploding Parts-Wdles	1
		290830	→ Label, Bobcat 1.50 x 6.75	2
		297515	→ Label, Engine Maint Kohler	1
		298043	→ Label, Engine Maint Briggs	1
		233088	→ Label, Danger Using A Generator Indoors Can Kill	1
		290945	→ Label, Warning General Precautionary CSA (Triling)	1
		039116	→ Label, High Voltage Test And Ground Ok	1
		250795	→ Label, Warning Gasoline (EPA) Trilingual	1
		275820	→ Label, Warning Do Not Weld On Base (Tri)	2
		227913	→ Label, Warning Battery Explosion Can Blind	1
		227724	→ Label, Warning Moving Parts Can Cause Serious Etc	1
		234534	→ Label, Miller 12.984 x 5.375 Horizontal	2

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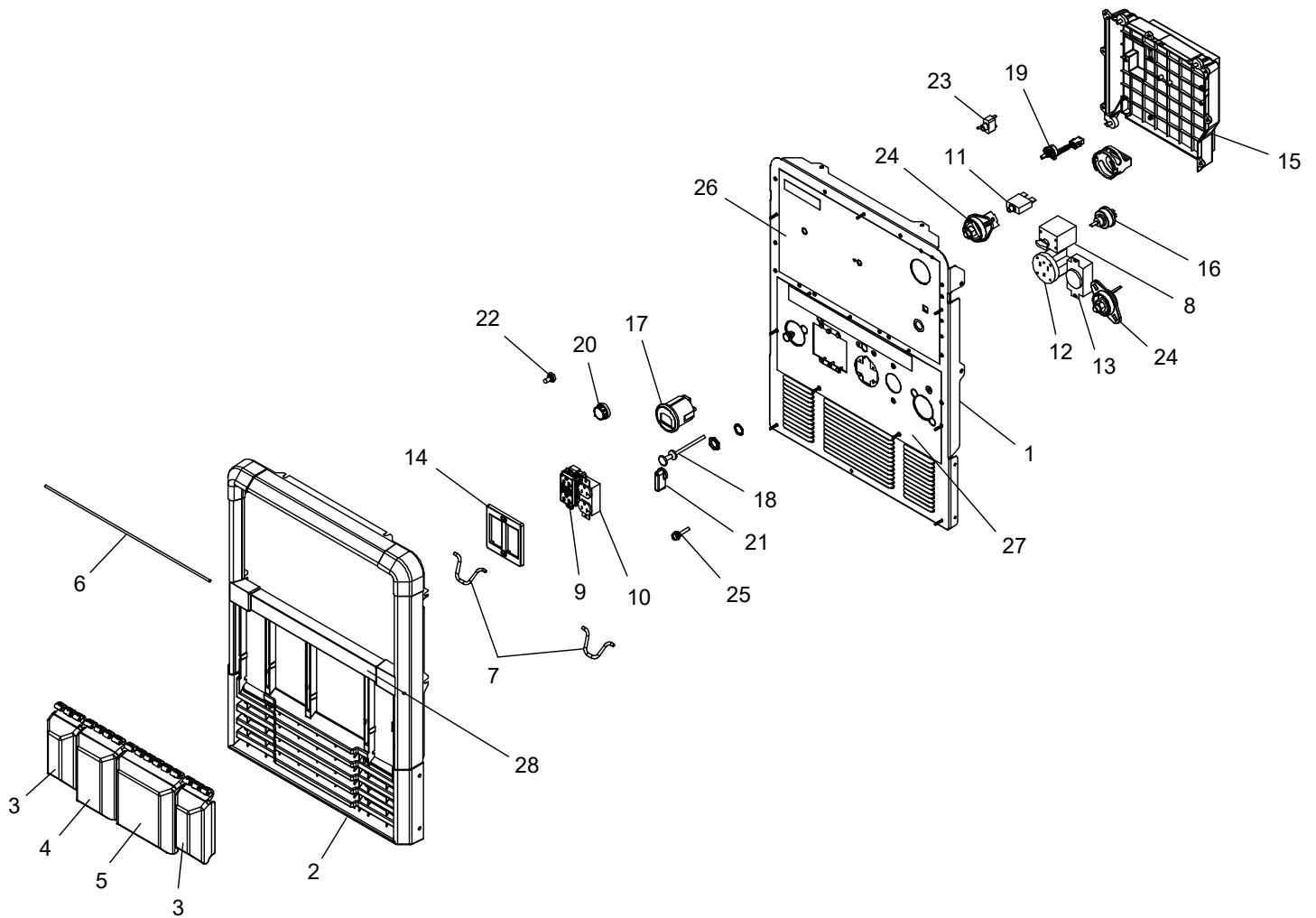
Item No.	Dia. Mkgs.	Part No.	Description	Qty
		264329	→ Label, Notice Do Not Overfill	1
		291927	→ Label, Fuel Hour Meter Information	1
		292927	→ Label, Warning External Hot Surfaces (Triling)	2
		270453	→ Label, Warning Read Owner's Manual Wordless	1

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Front Panel Assembly

Front Panel Assembly

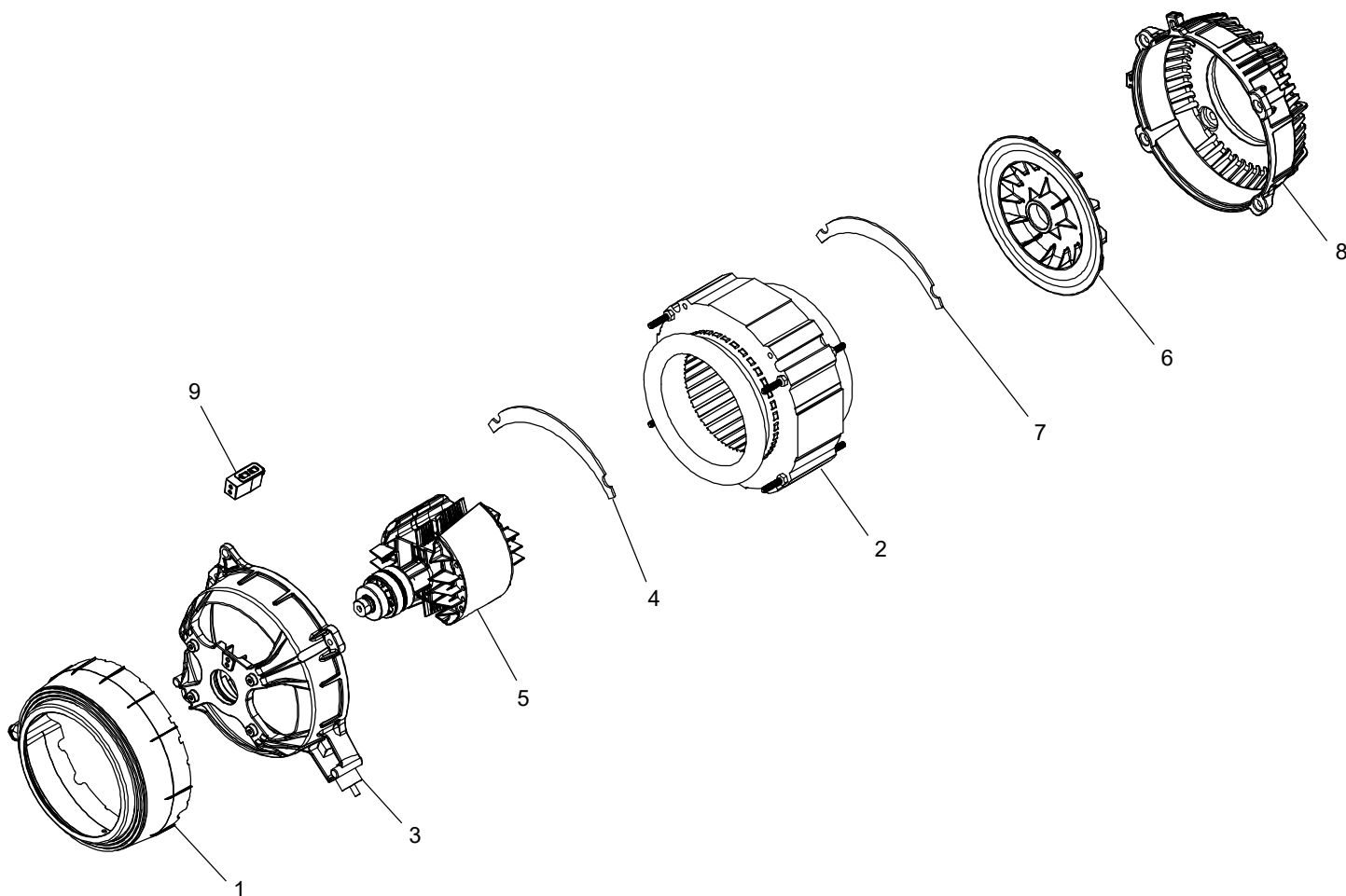
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		291379	Panel, Front BC 3 Phase	1
		289687	↓ Bezel Assy, Miller	1
2		289886	→ Bezel, Miller	1
3		290221	→ Cover, Output Stud	2
4		290222	→ Cover, Receptacles (120V)	1
5		290329	→ Cover, Receptacles (240V)	1
6		211405	→ Pin, Hinge	1
7		290799	Strain Relief	2
8	CB1	292649	Supplementary Protector, Man Reset 2P 40A 240Vac	1
		290957	↓ Receptacles (120V) Circuit Breakers w/Leads	1
* 9	RC2	280236	→ Receptacle, Gfci 15/20A	1
10	RC3	291785	→ Rcpt, Str Dx Grd 2p3w 20A 125V 5-20R (No Tabs)	1
11	CB3	093996	→ Supplementary Pro, Man Reset 1P 20A 250 Vac Frict	1
		291810	↓ Receptacle (240v 4 Wire) w/Leads	1
12	RC1	182954	→ Rcpt, Str 3p4w 50A 125/250V Flush Mtg 14-50	1
		291801	↓ Receptacle (3 Phase) w/Leads	1
13	RC4	210707	→ Rcpt,Tw Lk 3p4w 30A 480v 3p L16-30r	1
	CT1	277281	Xfmr, Current Sensing	1
	CT2	289007	Xfmr, Current (Prior to Serial No. NF280413R)	1
	CT2	296748	Xfmr Assy, Current	1
14		290779	Faceplate, 120 Receptacle	1
15		291502	↓ Assy, Bobcat Field Regulator w/Tray	1
		290784	→ Cover, Pcb Mtg	1
	PC3	289704	→ Ckt Card Assy, Bobcat Field Regulator	1
16	S2	217680	Switch, Ignition 4 Position w/Out Handle	1
17	HM	290228	Gauge, Hour Meter (Sleep)	1
18		249320	Control, Push/Pull Snap-In 28.937 w/1.750 Extension	1
19		290349	Pot Assy, w/Leads And Connector	1
20		179851	Knob, Pointer 1.670 Dia x .250 Id Push On w/Spring	1
21		207073	Lever, Ignition Switch	1
22		250690	Boot, Toggle Switch Lever (Black)	1
23	S5	011609	Switch, Tgl Spdt 15A 125 Vac On-None-On Spd Term Chr	1
24		290797	Terminal, Pwr Output Black	2
25		197203	Grounding Stud Assy, Brass	1
		202209	Spacer, Nylon .805 Od x .510 Id x .220 Lg	1
26		289526	Label, Nameplate BC 230	1
27		291386	Label, Nameplate Lower (Bobcat 3 Phase)	1
28		291388	Label, Nameplate Beltline (Bobcat 3 Phase)	1

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Generator Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		291786	Cover, Generator (Trailblazer)	1
		295658	↓ Generator Assy, Front (Bobcat 3 Phase)	1
2		291449	→ Stator, Power/Exciter (Bobcat 3 Phase) (Eff w/Serial No. ND500000R)	1
2		402390	Kit, Stator w/Leads (BC 3PH) (Prior to Serial No. ND500000R)	1
		400513	Kit, Service Bobcat 3Ph Stator w/Ct NE080519R - NF200044R	1
3		295838	↓→Housing, Generator	1
		183419	→→O-Ring, 1.984 Id x .139 Cs 75 Duro Viton	1
4		294543	→ Gasket, Generator	1
5		289625	↓ Rotor, Generator	1
		289622	→ Rotor, Generator w/o Bearing	1
		181143	→ Bearing, Ball Rdl Sgl Row .984 x 2.047 x .591	1
6		289881	Fan, Generator	1
7		294543	Gasket, Generator	1
8		289605	Adapter, Engine	1
* 9		292189	Brushholder Assy, Generator	1

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Wiring Harness

Item No.	Dia. Mkgs.	Part No.	Description	Qty
		290230	↓ Harness, Wrg Unit (Bobcat 265X)	1
		291165	→ Lead List, Small	1
		291772	→ Lead Assy, Elec	1
		291774	→ Lead Assy, Elec	1
		291776	→ Lead Assy, Elec	1
		291778	→ Lead Assy, Elec	1
		291745	→ Lead Assy, Elec	1
	PLG34	168071	→ Housing Plug Pins+Skts, (Service Kit)	1
	PLG8	226720	→ Housing Plug Pins+Skts, (Service Kit)	1
	RC5	116045	→ Housing Plug Pins+Skts, (Service Kit)	1
	PLG65	135556	→ Housing Plug Pins+Skts, (Service Kit)	1
	PLG12	294277	→ Conn, Rect Mini Tpa2 20skt 2row Plug Blk Cable Lkg	1
	PLG14,PLG33	294275	→ Conn, Rect Mini Tpa2 16skt 2row Plug Blk Cable Lkg	2
	PLG104	234984	→ Housing Plug Pins+Skts, (Service Kit)	1
		281486	→ Clip, Retainer Mini Tpa2 Nat 3 Ckt Housing	3
	PLG103	293990	→ Housing Plug Pins+Skts, (Service Kit)	1
	RC7	293753	→ Kit, Service Connector (281475)	1
	PLG100	293983	→ Housing Plug Pins+Skts, (Service Kit)	1
		291400	→ Seal, Single Wire Seal	2
		294270	→ Clip, Retainer Mini Tpa2 Nat 10 Ckt Housing	4
		294272	→ Clip, Retainer Mini Tpa2 Nat 8 Ckt Housing	1
	PLG36	293984	→ Housing Plug Pins+Skts, (Service Kit)	1
		142792	→ Tubing, Corrugated Plastic Slit .625 Dia x 10.000	1
		282414	→ Tubing, Corrugated Plastic Slit .250 Dia x 32.000	1
		157043	→ Tubing, Corrugated Plastic Slit .250 Dia x 12.000	1
		293942	→ Tubing, GI Acryl .289- .311 Id # 2x 10.00 Yel Fa1	1

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