



PM-4415A

2020-09

Processes



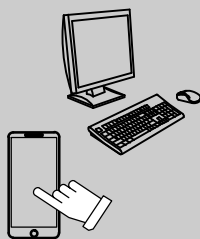
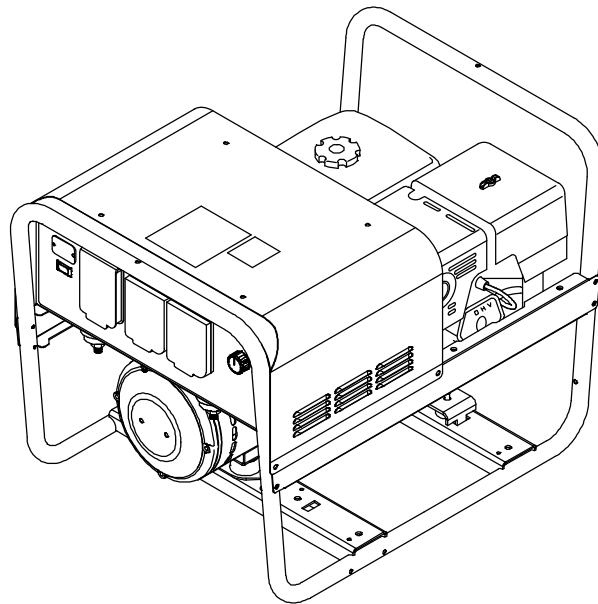
Stick (SMAW) Welding

Description



Engine Driven Welding Generator

Blue Star[®] 185 Blue Star[®] 185 DX Eff w/LE366294 And Following For OM-4415 (209 416) Revisions A Thru G



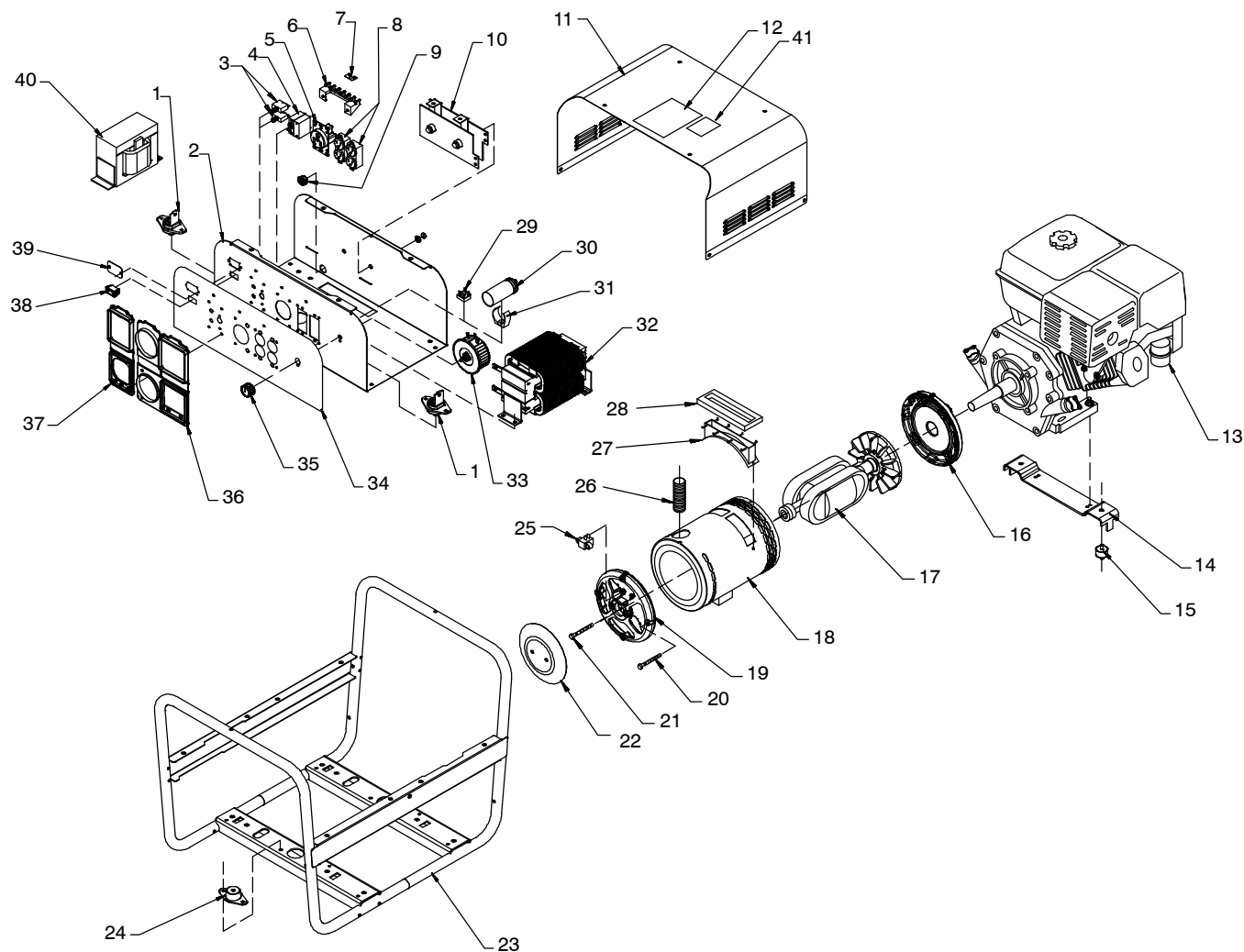
For product information,
Owner's Manual translations,
and more, visit

www.MillerWelds.com

PARTS MANUAL

SECTION 1 – PARTS LIST EFF W/LE366294 AND FOLLOWING

Hardware is common and not available unless listed.



Ref 803 599-B

Figure 1-1. Main Assembly Standard Model

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
----------	------------	----------	-------------	----------

Figure 1-1. Main Assembly (Standard Model)

1		241433	Terminal, Pwr Output Black	2
2		217125	Base, Control Box	1
3	CB2, CB3	093996	Supplementary Pro, Man Reset 1p 20a 250vac Frict	2
4	CB1	218783	Supplementary Protector, Man Reset 2p 30a 250vac Fr	1
5	RC1	218772	Rcpt, Str 2p3w 50a 250v *6-50r Flush Mt	1
6	1T	172661	Block, Stud Connection 6 Position	1
7		173734	Link, Jumper	1

Eff w/LE336294 And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly (Standard Model) (Continued)				
8	RC2, RC3	237722	Rcpt, Str Dx Grd 2p3w 20a 125v *5-20r	2
8	GFCI2, GFCI3	246614	Receptacle, Gfci 15/20a	2
9		154408	Bushing, Snap-in Nyl .562 Id X .875 Mtg Hole Cent	1
10	SR1	209715	Rectifier, Assembly (Prior to LG170126R)	1
10	SR1	226981	Rectifier, Assembly (Eff w/LG170126R)	1
11		219035	Cover, Top	1
12		231127	Label, Warning General Precautionary (Prior to LH100023R)	1
12		233614	Label, Warning General Precautionary (Bilingual) Sp (Eff w/LH100023R)	1
13		218709	Engine, Gas Recoil Start	1
		198522	Cap, Fuel Honda (Prior to LJ050148R)	1
		238633	Cap, Fuel Honda (Eff w/LJ050148R)	1
		220305	Tune-up & Filter Kit, Honda (includes)	0
		190108	Spark Plug	1
		220303	Air Filter	1
		220304	Air Filter, Pre Cleaner	1
14		214724	Bracket, Mtg Engine	1
15		211459	Mount, Engine Vibration	2
16		494606	Adapter, Engine (Prior to LF460001R)	1
16		222658	Adapter, Engine (Eff w/LF460001R)	1
17		209005	Rotor, Generator	1
18		209010	Stator, Generator	1
19		494587	Endbell, Gen (Prior to LF460001R)	1
19		222660	Endbell, Gen (Eff w/LF460001R)	1
20		495349	Screw, 250-20 X 12.50 Hwd Gr5 Pld	4
21		495348	Screw, 312-24 X 9.25 Hwd Gr5 Pld	1
22		494628	Cover, Endbell (Prior to LF460001R)	1
22		222656	Cover, Endbell (Eff w/LF460001R)	1
23		216195	Frame, Base	1
24		214727	Mount, Generator Flange Mtg	1
25		493509	Brushholder Assy, Generator	1
26		210325	Tubing, Corrugated Plastic 1.500 Dia X 3.000	1
27		209339	Duct, Air	1
28		209340	Seal, Air Duct	1
29	SR2	035704	Rectifier, Integ Bridge 40. Amp 800v	1
30	C1	218680	Capacitor, Elclt 2000 Uf 200 Vdc Can 1.42 Dia	1
31		494915	Clamp, Capacitor	1
32	DC-Z	218700	Stabilizer	1
33	R1	218565	Rheostat, Ww 150. W 50. Ohm Frict Term	1
34			Label, Nameplate (Order By Model And Serial Number)	1
35		207077	Knob, Pointer 1.625 Dia. Push On	1
36		221758	Cover, Receptacle W/Gasket	1
37		209056	Cover, Receptacle W/Gasket	1
38		221273	Blank, Snap-in Nyl .500 X 1.100 Mtg Hole Black	1
39		495386	Cover, Meter Hole	1
40	AC-Z	218767	Reactor	1
41		233088	Label, Danger Using A Generator Indoors	1
			Can Kill You In Minutes (Unit) (Eff w/LH100023R)	1
		494629	Guard, Generator (Deleted Eff w/LF460001R)	1

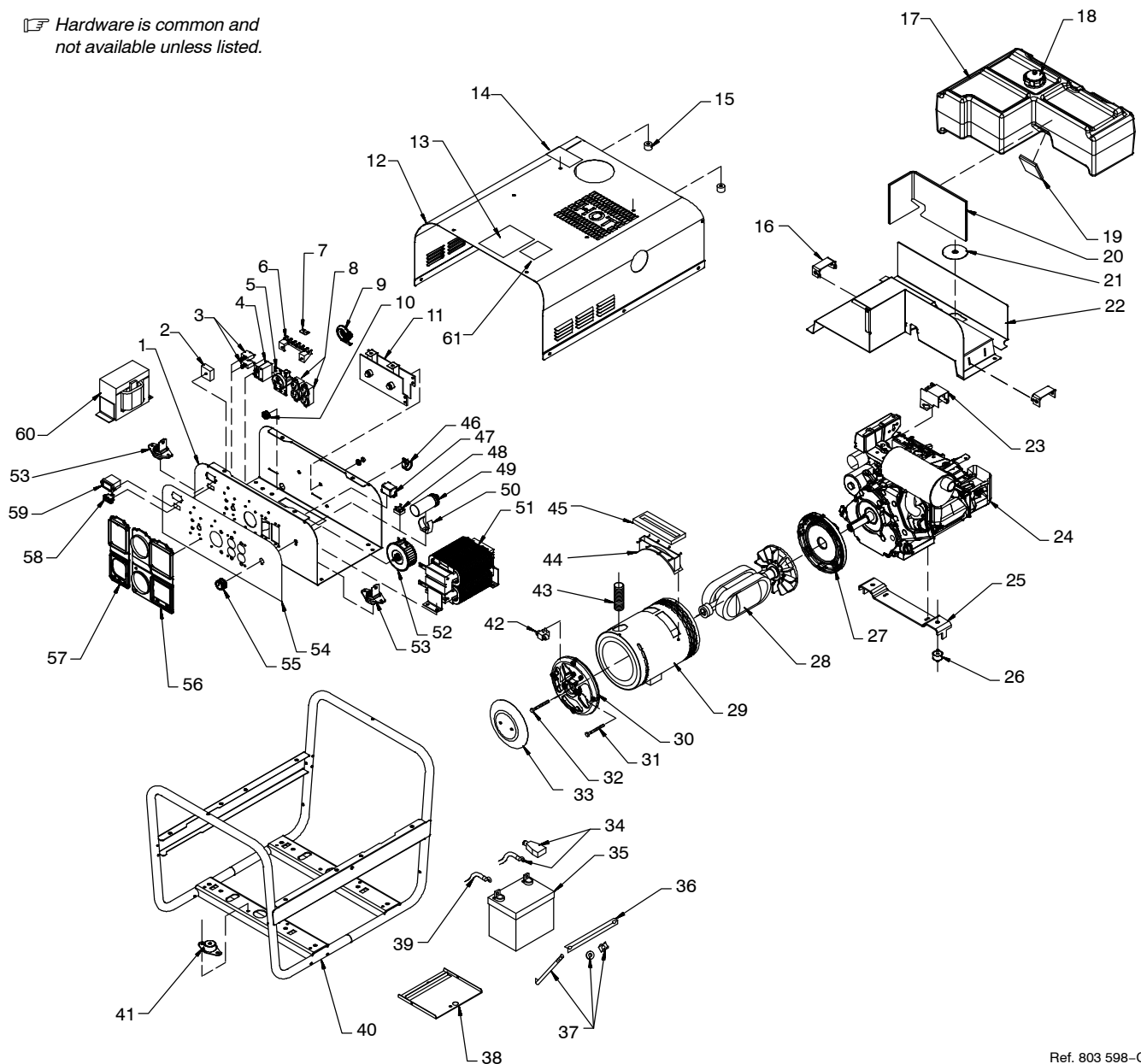
♦ Optional

+When ordering a component originally displaying a precautionary label, the label should also be ordered.

To maintain the factory original performance of your equipment, use only Manufacturer's Suggested Replacement Parts. Model and serial number required when ordering parts from your local distributor.

Eff w/LE336294 And Following

 Hardware is common and not available unless listed.



Ref. 803 598-C

Figure 1-2. Main Assembly DX Model

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
----------	------------	----------	-------------	----------

Figure 1-2. Main Assembly (DX Model)

1		217125	..	Base, Control Box	1
2	PC1	201936	..	Module, Pull To Idle 5 Pin	1
3	CB2, CB3	093996	..	Supplementary Pro, Man Reset 1p 20a 250vac Fric	2
4	CB1	218782	..	Supplementary Protector, Man Reset 2p 20a 250vac Fr	1
5	RC1	218772	..	Rcpt, Str 2p3w 50a 250v *6-50r Flush Mt	1
6	1T	172661	..	Block, Stud Connection 6 Position	1
7		173734	..	Link, Jumper	1
8	RC2, RC3	237722	..	Rcpt, Str Dx Grd 2p3w 20a 125v *5-20r	2
8	GFCI2, GFCI3	246614	..	Receptacle, Gfci 15/20a	2
9	CT1	219510	..	Xfmr, Current Sensing	1
10		154408	..	Bushing, Snap-in Nyl .562 Id X .875 Mtg Hole Cent	1
11	SR1	209715	..	Rectifier, Assembly (Prior to LG170126R)	1
11	SR1	226981	..	Rectifier, Assembly (Eff w/LG170126R)	1
12		+209014	..	Cover, Top	1

Eff w/LE336294 And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-2. Main Assembly (DX Model) (Continued)				
13		231127	.. Label, Warning General Precautionary (Prior to LH180045R)	1
13		233614	.. Label, Warning General Precautionary (Bilingual) Sp (Eff w/LH180045R)	1
14		227725	.. Label, Use Gasoline Fuel Only	1
15		087341	.. Bumper,Door 1.000 Od X .750 High Rbr 50 Duro W/O	2
16		221007	.. Bracket,Support Fuel Tank (Prior to LH440283R)	2
17		223079	.. Tank, Fuel 5.0 Gal	1
18		220711	.. Cap, Tank Screw-on W/Vent	1
19		221039	.. Insulation,Thermal Fuel Tank Lower	1
20		221038	.. Insulation,Thermal Fuel Tank Upper	1
21		221746	.. Grommet, Rbr .750 Id X 4.000 Od X .062t	1
22		221750	.. Shield, Heat (Prior to LH440283R)	1
22		236215	.. Shield, Heat (Eff w/LH440283R)	1
23	TS1	218794	.. Solenoid, 14vdc .53 Amp Pull Type Cont (included with item 24)	1
		218788	.. Bracket, Mtg Solenoid	1
		602306	.. Pin, Spring Cs .125 X .500	1
24		218786	.. Engine, Gas Elec Start (includes)	1
		218411	.. Muffler, Exhaust Engine	1
		203959	.. Gasket, Muffler Kohler CS 8.5 & 12	1
		221584	.. Tune-up & Filter Kit, Kohler CS 10 & 12 Electric (includes)	1
		203960	.. Spark Plug	1
		221582	.. Filter, Air Kohler CS 10 & 12 Electric	1
		221583	.. Filter, Air Pre Cleaner Kohler CS 10 & 12 Electric	1
25		214724	.. Bracket, Mtg Engine	1
26		211459	.. Mount, Engine Vibration	2
27		494606	.. Adapter, Engine (Prior to LF460247R)	1
27		222658	.. Adapter, Engine (Eff w/LF460247R)	1
28		209005	.. Rotor, Generator	1
29		209010	.. Stator, Generator	1
30		494587	.. Endbell, Gen (Prior to LF460247R)	1
30		222660	.. Endbell, Gen (Eff w/LF460247R)	1
31		495349	.. Screw, 250-20 X 12.50 Hwd Gr5 Pld	4
32		495348	.. Screw, 312-24 X 9.25 Hwd Gr5 Pld	1
33		494628	.. Cover, Endbell (Prior to LF460247R)	1
33		222656	.. Cover, Endbell (Eff w/LF460247R)	1
34		219642	.. Cable, Bat Pos 18.000 6ga W/.312 Rng & .312 Rng	1
		494039	.. Cover, Cable Btry Post	1
35		495124	.. Battery, 12v Light Utility (Dry)	1
36		493057	.. Clamp, Battery	1
37		494604	.. Bolt,J Stl .250-20 X 8.000 Pld W/Nuts&washers	2
38		218181	.. Tray, Battery	1
39		211180	.. Cable, Bat Neg 19.000 6ga W/.312 Rng & .312 Rng	1
40		216195	.. Frame, Base	1
41		214727	.. Mount, Generator Flange Mtg	1
42		493509	.. Brushholder Assy, Generator	1
43		210325	.. Tubing, Corrugated Plastic 1.500 Dia X 3.000	1
44		209339	.. Duct, Air	1
45		209340	.. Seal, Air Duct	1
46		127854	.. Clamp, Stl Cush 1.312 Dia X .343 Mtg Hole	1
47	CR1	219494	.. Relay, Encl 120vac Spst 5a No/120vac 4pin Flange	1
48	SR2	035704	.. Rectifier, Integ Bridge 40. Amp 800v	1
49	C1	218680	.. Capacitor, ElcItl 2000 Uf 200 Vdc Can 1.42 Dia	1
50		494915	.. Clamp, Capacitor	1
51	DC-Z	218700	.. Stabilizer	1
52	R1	218565	.. Rheostat, Ww 150. W 50. Ohm Frict Term	1
53		241433	.. Terminal, Pwr Output Black	2
54			.. Label, Nameplate (Order By Model And Serial Number)	1
55		207077	.. Knob, Pointer 1.625 Dia. Push On	1
56		221758	.. Cover, Receptacle W/Gasket	1
57		209056	.. Cover, Receptacle W/Gasket	1

Eff w/LE336294 And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-2. Main Assembly (DX Model) (Continued)				
58	S1	111997	.. Switch,Rocker Spst 10a 250vac On-off Visi Red Rock	1
59	HM	176365	.. Meter, Hour	1
60	AC-Z	218767	.. Reactor	1
61		233088	.. Label, Danger Using A Generator Indoors	
			 Can Kill You In Minutes (Unit) (Eff w/LH180045R)	1
♦ Optional				

+When ordering a component originally displaying a precautionary label, the label should also be ordered.

To maintain the factory original performance of your equipment, use only Manufacturer's Suggested Replacement Parts. Model and serial number required when ordering parts from your local distributor.

Notes

Miller Electric Mfg. LLC

An Illinois Tool Works Company
1635 West Spencer Street
Appleton, WI 54914 USA

International Headquarters-USA

USA Phone: 920-735-4505 Auto-Attended
USA & Canada FAX: 920-735-4134
International FAX: 920-735-4125

For International Locations Visit
www.MillerWelds.com

