



PM-284208A

2023-04

Processes



Stick (SMAW) Welding

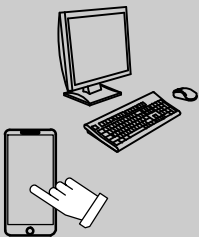
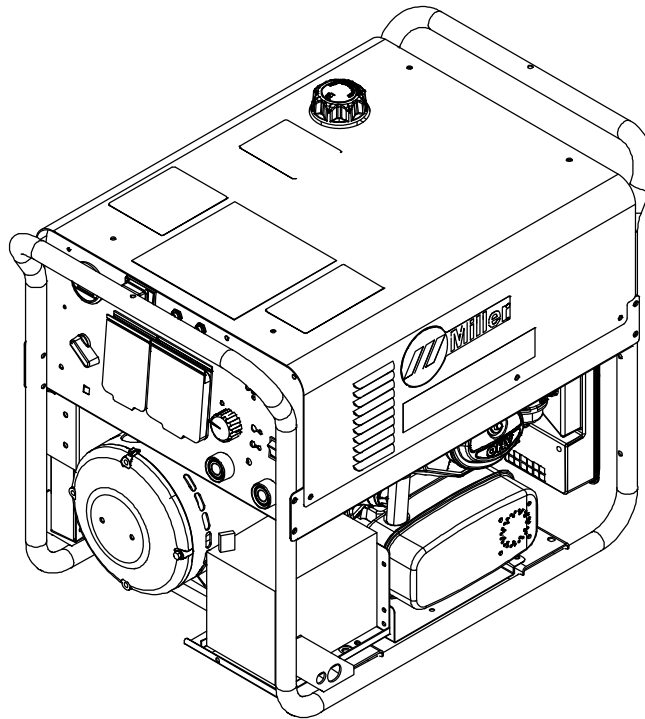
Description



Engine Driven Welder/Generator

Fusion 185

Eff w/Serial No. NC510371R And Following
Stock No. 907781



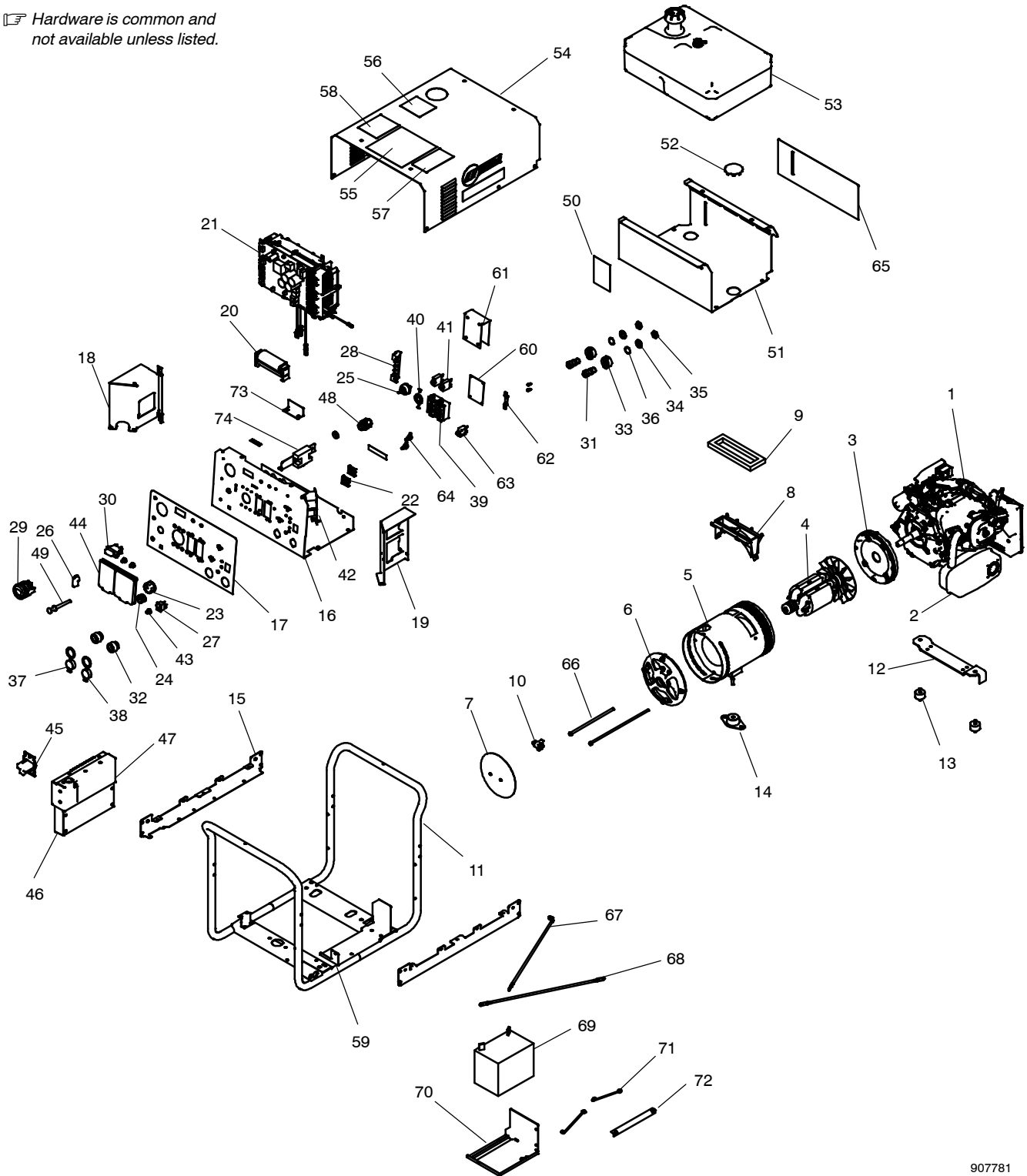
For product information,
Owner's Manual translations,
and more, visit

www.MillerWelds.com

PARTS MANUAL

SECTION 1 – PARTS LIST

 Hardware is common and not available unless listed.



907781

Figure 1-1. Main Assembly

Eff w/Stock No. 907781, Serial No. NC510371R And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly				
1		274229	Engine, Koh Gas Elec Start	1
2		267157	Muffler, Exhaust Engine	1
3		222658	Adapter, Engine	1
		089120	Clamp, Hose .375 - .450 Clp Dia Slftng Green	1
4		268113	Rotor, Generator	1
5		283964	Stator, Generator	1
6		222660	Endbell, Gen	1
7		222656	Cover, Endbell	1
8		209339	Duct, Air	1
9		209340	Seal, Air Duct	1
10		493509	Brushholder Assy, Generator	1
11		267189	Frame, Base	1
12		267191	Bracket, Mtg Engine	1
13		211459	Mount, Engine Vibration	2
14		214727	Mount, Generator Flange Mtg	1
15		267190	Channel, Frame	2
16		283870	Base, Control Box (Al)	1
17			Label, Nameplate (Order by Model and Serial No.)	1
18		283871	Baffle, Inlet Airflow	1
19		283872	Baffle, Exit Air Flow Mm (Al)	1
20	L2	279546	Inductor, Output W/Leads	1
21		284270	Windtunnel, W/Components	1
22		265404	Spacer, Potentiometer Mtg	2
23		218764	Knob, Pointer 1.625 Dia	1
24		207080	Knob, Pointer 1.125 Dia	1
25	S2	217680	Switch, Ignition 4 Position W/Out Handle	1
26		207073	Lever, Ignition Switch	1
27	S1	279614	Switch, Rocker On/Off W/Boot	1
		173734	Link, Jumper	1
28	1T	172661	Block, Stud Connection 6 Position	1
29	HM	283010	Gauge, Hour Meter/Idle Module	1
30	CB1	267194	Supplementary Protector, Man Reset 2p 30A 250V	1
		238802	Clip, Retaining Supplementary Protector	1
		242783	Bushing, Snap-In Nyl .875 Id X 1.125 Mtg Hole	1
31		267366	Receptacle, Twist Lock Tweco .890 Od W/O-Ring	2
32		250037	Insulator, Bulkhead Front .890 Od	2
33		250039	Insulator, Bulkhead Rear .890 Od	2
34		185714	Washer, Tooth 22mmid X 31.5mmmod 1.310-1mmt Intern	2
35		185717	Nut, M20-1.5 1.00hex .19h Brs Locking	2
36		185718	O-Ring, 0.989 Id X 0.070 H	2
37		278306	Cover, Tweco (Red)	1
38		278307	Cover, Tweco (Black)	1
		283987	Receptacles, W/Breakers/Xfmr/Leads (Includes)	1
39	RC2-RC3	222093	Rcpt, Str Dx Grd GFCI w/Capacitor	2
40	RC1	279615	Receptacle, Twist Lock 4 Prong/240V L14-30r	1
41	CB2-CB3	093996	Supplementary Pro, Man Reset 1p 20A 250VAC Frict	2
	CT1	279081	Xfmr, Current Sensing	1
		210398	Bushing, Snap-In Nyl 1.000 Id X 1.250 Mtg Hole	1
42	PC3	281849	Circuit Card Assy, Excitation	1
43		190323	Boot, Circuit Breaker Clear Hex Nut	3
44		221758	Cover, Receptacle W/Gasket	1
		284065	Bracket Assy, Dual Power Box w/Components (Includes)	1
		279456	Bracket, Dual Power Box Rcpt Mtg	1
45		279107	Receptacle, W/Leads 240V	1
	RC4	248521	Rcpt, Str 2p3w 50a 250v*6-50r Flush Mt	1
		284066	Cover Assy, Dual Power Box w/Components (Includes)	1
46		276670	Cover, Dual Power Box (Bottom)	1
47		279454	Box, Dual Power (Includes)	1

Eff w/Stock No. 907781, Serial No. NC510371R And Following

Item No.	Dia. Mkgs.	Part No.	Description	Quantity
Figure 1-1. Main Assembly (Continued)				
		279457	Enclosure, Dual Power Box	1
		279455	Cover, Dual Power Box	1
		279675	Hinge, Cont Stl .042 X 1.250 X 5.000	1
		279873	Bracket, Dual Power Support	1
		204711	Latch, Slide Flush Snap Lock	1
		279826	Label, 240v/25a 1 Phase 60hz	1
		219258	Adapter, Power Cable 6-50p (230V/50A)	1
		279106	Cable, Power 5 Ft 1 In 14ga 3c Soow W/Spl Plg	1
48		269219	Bushing, Strain Relief .435/.705 Id X1.040 Mtg Hole	1
49		249322	Control, Push/Pull Snap-In 31.437 W/1.750 Extension	1
50		268156	Insulator,Base W/Adhesive	1
51		283876	Base, Fuel Tank (Al)	1
52		268343	Plug, Snap-In (Steel)	1
		268236	Hose Assy, Fuel W/Shut-Off Valve	1
		250212	Assy, Fuel Vent Line	1
53		266648	Tank Assy, Fuel 6.25 Gal	1
54		+279096	Cover, Top (Al)	1
55		233639	Label, Warning General Precautionary (Csa/Bilingual)	1
56		227725	Label, Warning Use Gasoline Fuel Only (Bilingual)	1
57		227913	Label, Warning Battery Explosion Can Blind	1
58		233088	Label, Danger Using A Generator Indoors Can Kill	1
		233087	Label, Danger Using A Generator Indoors Can Kill	3
59		268784	Shield, Heat Muffler	1
60	PC2	279900	Circuit Card Assy, Idle Control	1
61		279756	Cover, Pcb (Mylar)	1
62		280457	Bracket, Mtg LED	1
63	CB4	115427	Supplementary Protector, Man Reset 1p 25A 250VAC Fr	1
64		279547	Pot Assy, W/Leads & Connectors (Part of wiring harness)	1
65		267206	Label, Rear Panel	1
66		495349	Screw, 250-20x12.50 Hexwhd Gr5 Pld	4
		197203	Grounding Stud Assy, Brass	1
67		267202	Cable, Bat Pos 20.0 6ga W/.312 Rng & 90 Degree .250	1
68		267203	Cable, Bat Neg 20.0 6ga W/.312 Rng & .312 Rng	1
69	BATT		Battery, 12V Light Utility (Wet)	1
70		267199	Tray, Battery	1
71		494604	Bolt, J Stl .250-20 X 8.000 Pld W/Nut&Washer	2
72		493057	Clamp, Battery	1
73		284854	Bracket,Mtg Regulated Charger	1
74			Battery Voltage Regulator (Part of Kohler Engine Ph-Ch440-3170)	1
		283988	Harness, Voltage Feedback	1
		273877	Gasket, Muffler (Kohler Engine Ph-Ch440-3139)	0
		293344	Cover, Top Service Assy_	0
		293261	Kit, Label	0
		*268469	Tune-Up & Filter Kit, Kohler (Ch440) (Includes)	0
		268467	Spark Plug, Kohler (Ch440)	1
		268468	Filter, Air (Kohler Ch440)	1
		246110	Filter, Fuel In-Line .250 Kohler 75um	1

+When ordering a component originally displaying a precautionary label, the label should also be ordered. Labels available separately or as part of label kit.

◆Optional *Recommended Spare Parts.

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/Stock No. 907781, Serial No. NC510371R And Following

Dia. Mkgs.	Part No.	Description	Quantity
Wiring Harnesses			
.....	283874 ..	Harness, Wrg Control Box (Includes)	1
.....	279709 ..	Lead Assy, Elect	1
.....	283989 ..	Assy, Fuse Holder W/Leads & Fuse (Includes)	1
.....	271613	Fuse Holder W/Leads	1
..... F1	281761	Fuse, Mini Blade Atm 30. Amp 32 Volt	1
.....	215394	Term, Ring Tng 250stud Pidg 16-14ga 150od	1
.....	223304	Term, Bullet, 16/14, Male Insul	1
.....	282525	Conn, Lever 3 Wire 12-28 Gauge 600v 20a	1
.....	279548 ..	Led Assy W/Leads & Resistors	1
.....	279547 ..	Pot Assy, W/Leads & Connectors	1
..... PLG22 ..	176121 ..	Conn, Rect Univ 084 2p/S 1row Plug Cable Lkg	1
..... PLG8	177859 ..	Conn, Body 5 Terminal	1
..... PLG12 ..	214932 ..	Conn, Rect Univ 039 8p/S 2row Plug Cable Lkg Seal	1
..... PLG2	240449 ..	Conn, Rect Mini 045 8skt 2row Plug Cable Lkg/Lkg	1
.....	240460 ..	Pin, Lkg 8 Skt Housing	1

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