Trailblazer[®] Series

Issued January 2006 • Index No. ED/4.77

Gas, LP or Diesel Engine-Driven Welder/AC Generator



Output Range	275 DC	302
DC Stick	30–275 A	30-300 A
DC TIG	10-275 A	10-300 A
AC TIG/Stick	N/A	30-225 A
MIG/FCAW	13-33 V	13-35 V

Generator Power Output Rated at 104° F (40° C)

10,000 Watts Peak — 9500 Watts Continuous

Accu-Rated - Not Inflated **Generator Power**

The Power of Blue[®].

The Professional Welder's Choice — designed with the professional in mind, the Trailblazer Series has the best welding arc in its class!

Exclusive! Trailblazers are the only machines in the industry that utilize a 4-pole, 3-phase generator to produce the best welding arc and have a separate 10,000 watt power generator.

Front panel fuel gauge provides convenient fuel level indication.

Increased fuel capacity to 12 gallons means many hours of run time before refueling.

Accu-Rated[™] 10,000 watts of usable peak power cranks out enough power for most applications: iob site, farm/ranch, or home.

Superior arc performance

- Four preset DIG settings (Stick)
- Adaptive Hot Start[™] (Stick)
- Lift-Arc[™]/Scratch Start TIG with Auto-Stop[™]
- MIG/FCAW arc starts





MIG (GMAW) Flux Cored (FCAW) AC*/DC TIG (GTAW) Air Carbon Arc (CAC-A) Cutting and Gouging (Rated: 3/16 in carbons, Capable: 1/4 in carbons) Air Plasma Cutting and Gouging with optional Spectrum models *302 models

Toughest Welders...

Industrial Applications

Structural Steel Work

Fabrication

Repair

Pipe

Quick

Specs

Maintenance

Sheet Metal



Trailblazer 302 (Gas model) shown

Miller Electric Mfg. Co.

1635 West Spencer Street Appleton, WI 54914 USA

An Illinois Tool Works Company

See inside for more machine features/benefits.



Welder/generator is warranted for 3 years, parts and labor. Engine is warranted separately by the engine manufacturer.



International Headquarters

Phone: 920-735-4505 USA FAX: 920-735-4134 Canadian FAX: 920-735-4169 International FAX: 920-735-4125 Web Site www.MillerWelds.com



Fully enclosed case provides reduced sound levels, fully protected engine, and utilizes the same hole mounting pattern as past models.

Reduced sound level (gas/LP models) ----1/3 less noise than previous models. Quietest in its class.

New! Self-calibrating digital weld meters with meter maintenance displays.

- Preset and actual weld amperage/voltage
- Hour meter function
- · Oil change interval
- Engine RPMs
- · Low oil pressure shutdown with display (Diesel model)
- High coolant temperature shutdown (Diesel model)
- · Low fuel shutdown (Diesel model). Diesel engine shuts down before system runs out of fuel, making restarts easy.

Exclusive! Digital meters with SunVision™ technology are easy to read in direct sunlight or shade.

Exclusive! High-Impact Protective Armor

- · Protective armor with receptacle and output stud covers provides a virtually indestructible barrier from damage
- · High-impact resistance in all temperatures

Other applications include: automotive bumpers, tractor hoods and panels, lawn mower decks, large structural parts, etc.

Output stud and receptacle covers required by OSHA and CSA for job site safety.



Specifications (Subject to change without notice.)



Model	Welding Mode	Process	Amp/Volt Ranges	Weld Output Rated at 25 V (at 104°F/40°C)*	Single-Phase Generator Power	Sound Levels at Rated Output, 7 m (23 ft)	Dimensions (height is to top of exhaust)	Net Weight**
Trailblazer 275 DC	CV/DC	MIG/FCAW	13–33 V	275 A, 100% Duty Cycle	Peak: 10,000 watts Continuous:	Kohler: 75.5 dB (100.5 Lwa)	Gas/LP Models: H: 33 in (838 mm)	Gas/LP Models:
213 00	CC/DC	Stick/TIG	10-275 A	275 A, 100% Duty Cycle	9500 watts	(100.5 Lwa) Robin: 76.5 dB	W: 20 in (508 mm)	580 lb
Trailblazer 302	CV/DC	MIG/FCAW	13-35 V	300 A, 100% Duty Cycle	120/240 VAC, 84/42 A, 60 Hz	(101.5 Lwa) Kubota: 80.5 dB	D: 45-1/2 in (1156 mm) Diesel Model:	(263 kg) Diesel
302	CC/DC	Stick/TIG	10-300 A	280 A, 100% Duty Cycle		(105.5 Lwa)	H: 34-1/4 in (870 mm) W: 20 in (508 mm)	Model: 720 lb
	CC/AC	TIG/Stick	30-225 A	200 A, 60% Duty Cycle			D: 52 in (1321 mm)	(327 kg)

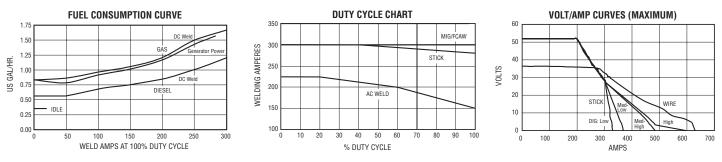
Note: Derate outputs up to 5% when using LP fuel.

Standards for welding equipment. *Rated at sea level. **Net weight without fuel.

Engine Specifications	(Engines warranted separate	ely by the engine manufacturer.)
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Engine Brand/ Warranty	Horsepower (HP)	Туре	Weld Speed	ldle Speed	Fuel Capacity	Oil Capacity	Standard Shutdowns
Kohler:	20 HP at	Twin-cylinder, 4-cycle overhead valve,	3600	2300	12 gal	1.75 qt (1.7 L),	Low Oil Pressure
3-year mfg.	3600 RPM	industrial air-cooled gasoline or LP	RPM	RPM	(45 L)	2 qt (1.9 L) with filter	
Robin:	22 HP at	Twin-cylinder, 4-cycle overhead valve,	3600	2300	12 gal	1.6 qt (1.5 L),	Low Oil Pressure
3-year mfg.	3600 RPM	industrial air-cooled gasoline	RPM	RPM	(45 L)	1.8 qt (1.75 L) with filter	
Kubota: 2-year limited North American mfg.	19 HP at 3600 RPM	3-cylinder, industrial liquid-cooled diesel	3600 RPM	2450 RPM	12 gal (45 L)	3.4 qt (3.2 L)	Low Oil Pressure/ High Coolant Temperature/Low Fuel

Performance Data



FUEL CONSUMPTION DATA

• 12-gallon fuel capacity.

• On a typical job using 1/8-in 7018 electrodes (125 A, 20% duty cycle) expect about 20 hrs (gas) or 24 hrs (diesel) of operation.

• Welding at 150 A, 40% duty cycle uses approximately: 3/4 gallon per hour — about 16 hrs of operation (gas) or 1/2 gallon per hour — about 22 hrs of operation (diesel).

Upgrade Benefits

Why Upgrade?	Trailblazer 275 DC		Trailblazer 302	Trailblazer 302 Benefits
Amperage Range	10-275 A	Upgrade	10-300 A	More output for larger electrodes and gouging
Voltage Range	13-33 V	Upgrade	13-35 V	More output for large diameter wires
AC Weld Output	NO	Upgrade	30-225 A	TIG aluminum or AC Stick weld
Polarity Switch	NO	Upgrade	YES	Easy to change polarity without moving weld cables

Why buy a GAS or DIESEL Engine? Gas Advantages • Lower product cost			Diesel Advantages
DIESEL Engine?	 Lower product cost Less weight Smaller size 	 Easier cold weather starting Less expensive engine repairs Better engine warranties 	 Uses 20-35% less fuel 1-1/2 to 2 times the engine life Required on some job sites



Function Guide

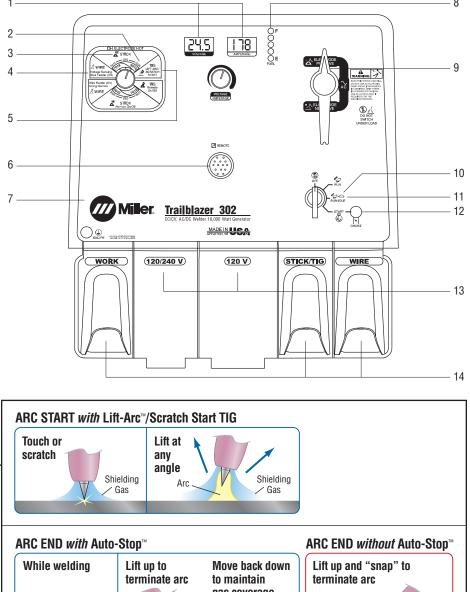
*Category Exclusive

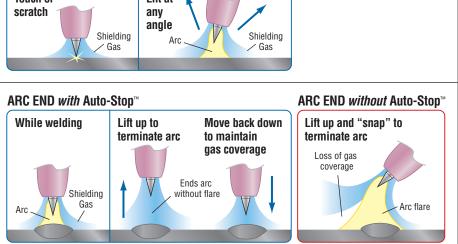
- 1. Self-calibrating digital weld meters with meter maintenance displays.
 - Preset and actual weld amperage/voltage
 - Hour meter function
 - · Oil change interval
 - Engine RPMs
 - Additional Diesel model features
 - · Low oil pressure shutdown with display
 - High coolant temperature shutdown
 - · Low fuel shutdown. Diesel engine shuts down before system runs out of fuel, making restarts easy.
- 2. Four Preset DIG Settings* offer the best arc characteristics for different electrodes and joint designs. The amount of DIG determines how much amperage (heat) varies with Stick arc length. The combined Process switch along with preset DIG settings make the Trailblazer easy to set without the complication of multiple switches.

DIG Settings

- Soft arc and smooth 7018 performance.
- · Medium-soft arc.
- · Medium-stiff arc.
- Driving arc such as pipe welding.
- 3. Adaptive Hot Start[™]* (Stick) automatically sets starting amperage for great arc starts.
- 4. Great MIG/FCAW Performance and Arc Starts make the Trailblazer's arc best in its class. Easy to run all wires from .023 in solid wires to large diameter 5/64 in flux cored wires.
- 5. Lift-Arc™/Scratch Start TIG with Auto-Stop™* provides great DC starts with all starting techniques. Auto-Stop[™] allows the arc to be stopped without the loss of shielding gas and without arc flare for better weld finishes.
- 6. Standard 14-Pin Receptacle for simple connection of remote controls and wire feeders. It features Auto Remote Sense™* which automatically switches from Panel to Remote Amperage/Voltage (A/V) control with remote connected. Eliminates confusion of the Panel/Remote A/V switch.
- 7. Weatherproof Lexan® Nameplate is super durable and resists cracking and fading. Color coding is for ease of operation.
- 8. Front Panel Fuel Gauge* LEDs indicate fuel level. The "E" LED lights when fuel is low.

Low Fuel Shutdown (Diesel model) shuts engine off prior to running out of fuel to prevent loss of fuel in the system, and make restarts easy. Display will read noFUEL. Turn the machine off, add fuel, and restart.





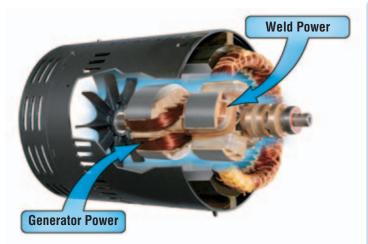
- 9. DC Polarity/AC Switch allows selection between DC output polarity or "industry best" 120 Hz AC weld output.
- **10. Engine Save Start**[™]* (Gas/LP models) extends engine life and reduces fuel use and noise by idling engine seconds after starting.

Automatic Start at Idle (Diesel model) extends engine life and reduces fuel use and noise.

- 11. Varied Time to Idle* is optimized for each process.
 - Wire: idles engine 10 sec after welding.
 - Stick/TIG: idles engine 18 sec after welding.
- 12. Engine Choke Control (Gas/LP models) or **Glow Plugs** (Diesel model)
- 13. 120 VAC and 240 VAC Receptacles with Circuit Breakers (optional 120 VAC GFCI receptacles available). Note: For matching plug, order #119 172.
- 14. Weld Cable Strain Relief built into protective armor protects weld cable terminals.



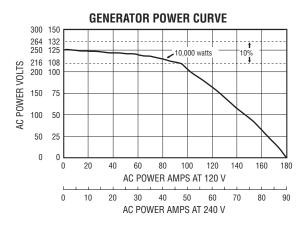
The Trailblazer's Power Advantage



All Trailblazers have 2 generators — a 4-pole, 3-phase weld generator and a strong power generator.

Weld Current In Amperes	Total Power in Watts	120 V Receptacle Amperes	240 V Receptacle Amperes
300	1000	10	5
250	3500	31	15
200	5200	46	23
150	6700	60	30
100	8000	70	35
0	10,000	84	42

See Owner's Manual for additional information.



Power is in the Numbers

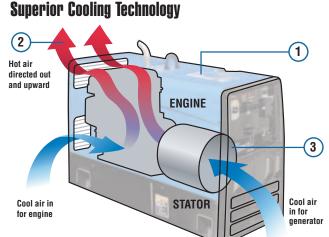
- Tools and motors are designed to operate within 10% of 120/240 VAC. The Trailblazer's power generator provides strong power while keeping the voltage within 10% of 120/240 VAC. This increases tool/motor performance and life. See Generator Power Curve.
- Patented generator control technology matches the generator's output to engine horsepower. This provides more weld output and lowers fuel consumption.

Accu-Rated[™]– Not Inflated Generator Power

Miller's Accu-Rated[™] 10,000 watts of *usable* peak power is delivered for a minimum of 30 seconds. Accu-Rated means peak power is usable for maximum generator loads such as plasma cutting, Millermatics and motor starting. Accu-Rated peak power beats the competition's very short-duration peak or surge power. Use your peak power, it's more than a number.

Trailblazer® 2-Generator Advantages

- Separate weld and power generators are designed for specific functions. This is why the 4-pole, 3-phase weld generator is the **most efficient and produces the best arc quality** with a precise, yet simple and reliable weld control design.
- No interaction between grinders, power tools, etc. and the welding arc.
- Generator power is independent of weld control settings.
- Has the industry's strongest power while welding.
- The Trailblazer's generator weighs 200 lb! That's about 60 lb more copper and iron than most competitive models. Heavy-duty construction, rock-solid performance— More Guts, More Glory!



Directed airflow improves cooling for long engine and component life.

- 1 The fully enclosed case design virtually eliminates hot air recirculation when machine is mounted in tight spots.
- 2 Louver-directed air flow keeps the temperature of internal parts cool for maximum performance and extended life.
- (3) Patented self-cooling stator barrel completely encloses and protects its generator from the dirtiest and harshest environments.
 - All ratings are tested at 104° F (40° C) to maintain tough work schedules, even in hot weather.





Genuine Miller Options *Available as factory option. See ordering information on back page.

GFCI Protection* #195 496 Field Ground Fault Circuit Interruptors are required on some construction sites. Kit contains two GFCI 120 VAC duplex receptacles. (240 VAC GFCI receptacle not required).

LP Gas*

Liquid withdrawal with vaporizer and regulator. Does not include tanks, brackets, or hose from tank to regulator. Note: Requires LP Tank Mounting Assembly #195 329.

Electric Fuel Pump* #195 214 Field For gas models at high altitudes. Improves engine starting and high-output performance.

Adapter Cord, Full KVA #300 158 Field NEMA 14-50P to NEMA 6-50R. Adapts engine drive 120/240 V plug to common Millermatic[®] and Spectrum[®] 240 V plug.



FA-7.5 Flame Arrestor Fuel Cap (Gasoline Red) #042 632 Field Lockable for added protection.

Spark Arrestor #043 579 Field

Mandatory when operating on California grasslands, brush or forest-covered land, and all National Forests. For other areas, check your state and local laws.



Remote Oil Drain/Filter Kit #300 106 Field. Kohler Makes servicing easy when engine drive is mounted in tight spots.



Full KVA Plug Kit #119 172 Field 120/240 VAC, 50 amp plug (NEMA 14-50P) to fit full KVA receptacle.

Order the following from Miller Service Parts.

Engine Tune-Up Kits #180 096 Field, Kohler CH20 OHV #199 062 Field, Robin EH 65 #206 421 Field. Kubota D722 Tune-up kits include spark plugs (gas/LP models) and engine filters.

TIG Adapter with Extension #195 350 Field Extension with Power Cable Adapter 45V11. Required for Lift-Arc[™]/scratch start TIG welding with Trailblazer 275 DC.

Genuine Miller Accessories

Protective Covers

Heavy-duty, water-resistant and mildewresistant covers protect and maintain the finish of the welder.



#195 333

For Gas models without Protective Cage or Running Gear.

#195 529 For Gas models with Protective Cage and/or Running Gear.

#195 334 For Diesel model

without Protective Cage or Running Gear.



Protective Cage with **Cable Holders** #195 331 Gas/LP #300 052 Diesel Rugged cage with cable holders protects

your investment. Can be used with running gear. Gas Cylinder Mounting Assembly. LP Tank Mounting Assembly, or with trailer.



Flat-Terrain **Running Gear** #195 327 Gas/LP Two heavy-duty 15 in pneumatic tires with innertubes and two 5 in

rubber swivel casters and a rugged handle make this perfect for hard, flat surfaces.



All-Terrain **Running Gear** #195 326 Gas/Diesel Two heavy-duty 15 in and two 10 in

pneumatic tires with innertubes and a rugged handle provide maximum maneuverability. Note: Cannot be used with Gas Cylinder Mounting Assembly or LP Tank Mounting Assembly.



Flat-Terrain Running Gear with Protective Cage #195 366 Gas/LP Rugged cage with

cable holders protects your investment and is easy to move around on flat surfaces.



All-Terrain **Running Gear with Protective Cage** #195 328 Gas Rugged cage with

cable holders protects your investment and is easy to move around the jobsite. Note: Cannot be used with Gas Cylinder Mounting Assembly or LP Tank Mounting Assembly.



Gas Cylinder Mounting Assembly **#195 330** Gas/Diesel Designed for use with Flat-Terrain Running Gear. Protective Cage. or by itself. Includes

base tray with bottle bracket, vertical support rack and safety chain. Note: Cannot be used with LP Tank Mounting Assembly.



LP Tank Mounting Assembly #195 329 LP

Designed for use with Flat-Terrain Running Gear, Protective Cage,

or by itself. Includes bracket and clamp to mount 33 and 43 lb tanks horizontally, and hose with fittings to converter. Note: Cannot be used with Gas Cylinder Mounting Assembly.



Genuine Miller Accessories (continued)

Stick (SMAW) Welding

Weld Leads

#173 851 2/0, 350 A, 100% duty cycle, 50 ft stinger, 50 ft work cable **#043 952** 2/0, 300 A, 100% duty cycle, 100 ft stinger, 50 ft work cable

Plasma Cutting



 Spectrum® 375
 #903 891

 See Lit. Index No. PC/9.1.

 Spectrum® 625
 #907 058

 See Lit. Index No. PC/9.5.

 Spectrum 2050
 #903 777-01-2

 See Lit. Index No. PC/7.0.

MIG/Flux Cored Welding



Millermatic[®] Passport[™] #907 301 Portable, all-inone MIG package features ultimate arc performance, self-contained

gas bottle, and flexibility to plug into 115 or 230 V power with Miller exclusive Multi-Voltage Plug. See Lit. Index No. DC/12.53.



SuitCase™ 8VS Wire Feeder #194 890 SuitCase™ X-TREME[™] 12VS Wire Feeder #195 500

Lightweight, portable, voltage-sensing wire feeders include secondary contactor and gas valve. Require drive roll kit. See Lit. Index Nos. M/6.4 and M/6.41.



SuitCase[™] 8RC Wire Feeder #194 938 SuitCase[™] 12RC Wire Feeder #194 940 Lightweight, modular design and flexible enough to run a variety of wires up to 5/64 in diameter. Comes standard with remote voltage control. See Lit. Index No. M/6.5.



Spoolmatic[®] **30A Spool Gun #130 831** Air-cooled, 200-amp, 1-lb spool gun for aluminum MIG. See Lit. Index No. M/1.5.

WC-24 Control #137 549 Use with Spoolmatic 30A.

XR[™] Wire Feeders and Guns

Push-pull system designed to handle difficult-to-feed soft alloy wires such as aluminum. See Lit. Index No. M/1.7.

TIG (GTAW) Welding



Dynasty® 200 Series For premium portable AC/DC TIG arc quality. See Lit. Index No. AD/4.8.



HF-251 Series #042 388 HF-251D-1, 115 VAC High-frequency arc starter and stabilizer. See Accessory Lit. Index No. AY/5.0.

Remote Controls



RHC-14 Hand Control #129 340

Miniature hand control for remote current and contactor control. Dimensions: 4 x 4 x

3-1/4 in (102 x 102 x 82 mm). Includes 20 ft (6 m) cord and 14-pin plug.



RFCS-14 HD Foot Control #194 744 Heavy-duty foot current and contactor control. Includes 20 ft (6 m) cord and 14-pin plug.



RMLS-14 #129 337 14-pin plug Momentary- and maintained-contact rocker switch for contactor control. Push forward for maintained contact and back for momentary contact. Includes 20 ft (6 m) cord.



RCC-14 Remote Contactor and Current Control #151 086 14-pin plug Rotary-motion fingertip control fastens to TIG torch using two Velcro® straps. Includes 28 ft (8.5 m) control cord.

Extension Cords for 14-Pin Remote Controls #122 973 25 ft (7.6 m) #122 974 50 ft (15.2 m) #122 975 75 ft (23 m)

Trailers and Hitches



HWY-1000 Trailer #195 013

A 1000 lb (454 kg) capacity highway trailer with welded steel tubing frame, heavy-duty axle with roller bearing hubs and leaf-spring suspension. The HWY-1000 comes with jack stand, 2 in (50 mm) ball hitch, fenders and lights.

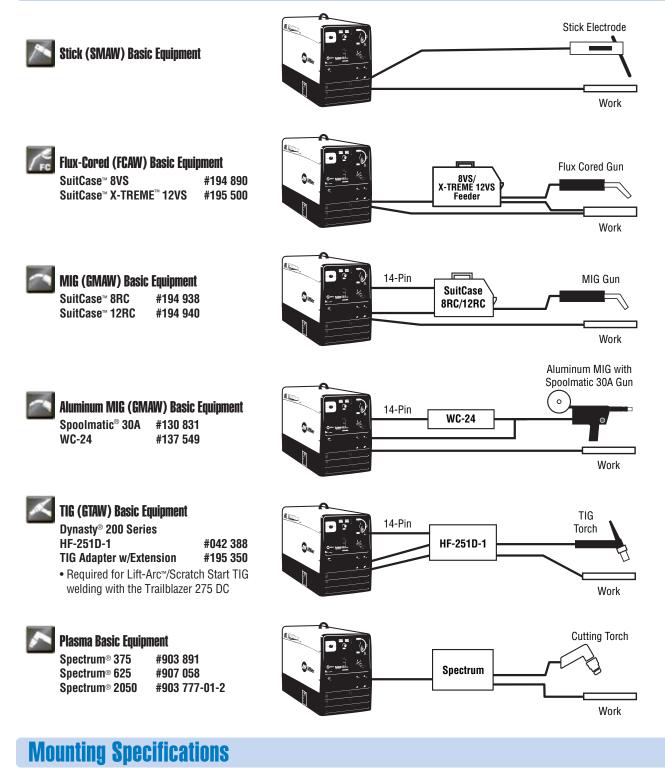
Cable Tree #195 023

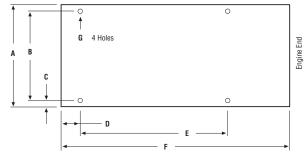
Provides an area to conveniently wrap weld cables and extension cords on the HWY-1000 trailer.

Lunette Eye 2-1/2 in (64 mm) #043 824



Typical Installations





- A. 20 in (508 mm)
 B. 16-1/2 in (419 mm)
 C. 1-3/4 in (44 mm)
 D. 6-1/16 in (154 mm)
 E. 32-3/4 in (832 mm)
 F. 45-3/8 in (1153 mm) (Gas)
- 52 in (1321 mm) (Diesel)
- **G.** 13/32 in (10 mm) diameter
- Height: (to top of exhaust) 33 in (838 mm) (Gas) 34-1/4 in (870 mm) (Diesel) Width: 20 in (508 mm) Depth: 45-7/8 in (1164 mm) (Gas) 52-1/2 in (1334 mm) (Diesel)

Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
Trailblazer® 275 DC (20 HP Kohler)	#907 214 #907 214-01-1 #907 214-01-2 #907 214-02-1	Base machine, CC/CV, DC 10,000 watts With GFCI Receptacles With Dry Battery (International) With Electric Fuel Pump for High Altitude and GFCI Receptacles		
Frailblazer® 275 DC (22 HP Robin)	#907 214-02-2 #907 215	With LP Gas Conversion and GFCI Receptacles Base machine, CC/CV, DC 10,000 watts		
	#907 215-01-1 #907 215-02-1	With GFCI Receptacles With Electric Fuel Pump for High Altitude and GFCI Receptacles		
Trailblazer® 302 (20 HP Kohler)	#907 216 #907 216-01-1 #907 216-01-2 #907 216-02-1 #907 216-02-2	Base machine, CC/CV, AC/DC 10,000 watts With GFCI Receptacles With Dry Battery (International) With Electric Fuel Pump for High Altitude and GFCI Receptacles With LP Gas Conversion and GFCI Receptacles		
railblazer® 302 (22 HP Robin)	#907 217 #907 217-01-1 #907 217-01-2 #907 217-02-1	Base machine, CC/CV, AC/DC 10,000 watts With GFCI Receptacles With Dry Battery (International) With Electric Fuel Pump for High Altitude and GFCI Receptacles		
Frailblazer® 302 Diesel 19 HP Kubota)	#907 218 #907 218-01-1 #907 218-01-2 #907 218-01-4	Base machine, CC/CV, AC/DC 10,000 watts With GFCI Receptacles With Dry Battery (International) With No Battery (International)		
GFCI Protection	#195 496	Field		
Electric Fuel Pump	#195 214	Field		
Adapter Cord, Full KVA	#300 158	Field		
Flame Arrestor Fuel Cap	#042 632	Field. Gas models		
Spark Arrestor	#043 579	Field		
Remote Oil Drain and Filter Kit	#300 106	Field. For Kohler CH20 OHV		
Full KVA Plug	#119 172	Field		1
Engine Tune-Up Kits	#180 096 #199 062 #206 421	Field. For Kohler CH20 OHV. <i>(Order from Miller Service Parts)</i> Field. For Robin EH 65. <i>(Order from Miller Service Parts)</i> Field. For Kubota D722. <i>(Order from Miller Service Parts)</i>		
TIG Adapter with Extension	#195 350	Field. Required for Lift-Arc [™] /Scratch Start TIG welding with Trailblazer 275 DC. (Order from Miller Service Parts)		
Accessories				
Protective Cover	#195 333 #195 529 #195 334	Gas models. Blue w/logo and flame. <i>Not for use with protective cage or running gear</i> Gas models. Blue w/logo. <i>For use with protective cage and/or running gear</i> Diesel model. Blue w/logo. <i>Not for use with protective cage or running gear</i>		
Protective Cage with Cable Holders	#195 331 #300 052	Gas/LP models Diesel model		
- Flat-Terrain Running Gear	#195 327	Gas/LP models		
All-Terrain Running Gear	#195 326	Gas/Diesel models. Cannot be used with Gas Cylinder or LP Tank Mounting Assemblies		
lat-Terrain Running Gear vith Protective Cage	#195 366	Gas/LP models		
All-Terrain Running Gear with Protective Cage	#195 328	Gas models. Cannot be used with Gas Cylinder or LP Tank Mounting Assemblies		
Gas Cylinder Mounting Assembly	#195 330	Gas/Diesel models. Cannot be used with LP Tank Mounting Assembly		
P Tank Mounting Assembly	#195 329	LP models. Cannot be used with Gas Cylinder Mounting Assembly		
Spectrum [®] Plasma Cutters		See page 6		
Millermatic [®] Passport [™]	#907 301	Includes gas bottle and MVP. See Lit. Index No. DC/12.53		
SuitCase [™] Portable Wire Feeders		See page 6		
Spoolmatic [®] 30A Spool Gun	#130 831	Requires WC-24 Control. See Lit. Index No. M/1.5		
VC-24 Control	#137 549	See Lit. Index No. M/1.5		
R [™] Wire Feeder Control and Guns		See Lit. Index No. M/1.7		
Dynasty® 200 Series	#0.40.000	See Lit. Index No. AD/4.8		
HF-251D-1	#042 388	115 VAC. See Lit. Index No. AY/5.0		
RHC-14	#129 340	Hand control		
RFCS-14 HD	#194 744	Foot control		
Extension Cords	#105.012	See page 6		
HWY-1000 Trailer	#195 013			
Cable Tree	#195 023			
Lunette Eye 2-1/2 in (64 mm)	#043 824			



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