Process Quick Start Guide

Bobcat™ welder/generators

1. **Registration** – Be sure to register your product at www.Millerwelds.com/support/product-registration.

2. **Operator's Manual** – Take out the operator's manual from the bag stored inside the service door. Refer to your operator's manual for specific installation instructions.

3. **Remote Start/Stop Fob for Bobcat™ 225 and 260** – Remove Fob box from the operator's manual bag and set aside. The fob is already paired with your new machine and ready for use.

4. **Exhaust** – The exhaust pipe and mounting bracket with hardware are packaged with the owner's manual. Install these components using a 1/2" combination wrench.

5. **Battery** – The welder is shipped without the negative battery cable attached. Secure the negative battery cable to the negative battery terminal through the side door using a 1/2" combination wrench.

6. **Oil** – Check the oil level. The unit is shipped with oil so the addition of oil is not necessary on new welders/generators.

7. **Fuel** – Add fresh fuel to the welder and be sure to not overfill. See owner's manual for best fueling practices.

8. **Air Compressor Oil** (Air Pak model only) – Check the air compressor oil gauge as described in the owner's manual. This unit is shipped with air compressor oil so the addition of oil is not necessary on new welders. See owner's manual for more details on the air compressor system.

9. **Installation Location** – Verify 18" of clearance on each side and the top of the unit to ensure proper airflow for cooling.
   Mount welder – Secure the welder to a rigid frame by fastening bolts through the four mounting holes on the base of the unit.
   Electric Shock Protection – Ground the welder to the truck or trailer if applicable (ground cable not supplied). Detailed instruction available in the owner's manual.

10. **Attach welding cables/connectors to the output terminals** – Be sure that the weld cables/connectors makes direct contact with the copper bar on the output

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Stick Welding

▶ Getting Started

Ground Clamp (10 ft.) – 195458
Up to 400A, comes with stud/Tweco adapter.

Electrode Holder (10 ft.) – 195457
Up to 400A, comes with stud/Tweco adapter.

▶ Do you need additional cable length?

Weld Cable Extension – 195456
2/0 Tweco, 50 ft.

Weld Cable Extension – 195455
2/0 Tweco, 100 ft.

▶ Dinse Adapters for Cables

**Dinse (male)/Tweco (female) adapter
042465**

**Tweco (male)/Dinse (female) adapter
210061**

MIG/FCAW-G Welding

▶ Do you have a flowmeter/regulator?

**Argon/CO2 Flowmeter Regulator
22-80-580-6**
CGA-580 inlet connection, 80 psi, 6 ft.
air hose, gauge

▶ Will wire welding be done with a spool gun?

**WC-115 Control
137546011**
Enables spool gun functionality for machines without a remote receptacle. (Not required for the Bobcat™ 200 Air Pak™)

**Spoolmatic 30A Spool Gun
130831**
200A aluminum spool gun, 30 ft.
Requires WC-115 control to enable spool gun functionality (137546011).

▶ Will you be using a SuitCase® feeder?*
If so, what diameter wire spools will you use and what type of MIG gun would be best?

8 inch wire spool diameter

**ArcReach® SuitCase® 8
951726**
Includes BTB Q-Gun — 300A gun using premium Centerfire consumables with threadless contact tips.

951727
Includes S-Gun™ — 250A gun using Quick Tip consumables with threaded taper lock contact tips.

12 inch wire spool diameter

**ArcReach® SuitCase® 12
951729**
Includes BTB Q-Gun — 300A gun using premium Centerfire consumables with threadless contact tips.

951730
Includes S-Gun™ — 250A gun using Quick Tip consumables with threaded taper lock contact tips.

*Bobcat™ welder/generators are not equipped with ArcReach® technology, so ArcReach feeders will run as standard voltage-sensing feeders when paired with these machines.

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FCAW-S Welding

▶ **What size wire spool does your SuitCase® feeder need to run?***

8 inch maximum wire spool diameter

ArcReach® SuitCase® 8
951728
With DuraFlux gun for the FCAW-S process.

12 inch maximum wire spool diameter

ArcReach® SuitCase® 12
951731
With Dura Flux gun for the FCAW-S process.

*Bobcat™ welder/generators are not equipped with ArcReach® technology, so ArcReach feeders will run as standard voltage-sensing feeders when paired with these machines.

TIG Welding

▶ **Do you have a flowmeter/regulator?**

CO2, Argon, and Helium, 6 ft. air hose, gauge
22-30-580-6
CGA-580 inlet connection, 30 psi

▶ **Do you need a TIG consumable kit?**

Torch Consumable Kit
AK3C

Gas Lens Kit
AK3GL
For 150A, 200A and 250A torches. Sizes 6, 7 and 8.

▶ **What amperage torch will you need?**

Weldcraft A-150A Valve Torch
Rubber, 25 ft.
Standard – **WP-17FV-25-R**
Flex – **WP-17FV-25-R**
Pair with connector – **105Z57**

Weldcraft A-250A Valve Torch
Rubber, 25 ft.
Standard – **301526025**
(two piece only – no adapter)

One Piece TIG Connector
105Z57
Pair adapter with 150A torch

One Piece TIG Connector
45V62
Pair adapter with 200A torch

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Battery Charge/Jump Start
(for Bobcat™ 200 Air Pak™)

Battery Charge/Jump Start Cables
300422
25 ft. cables with plug

Air Compressor
(for Bobcat™ 200 Air Pak™)

Air Dryer Kit
301488
Cools and removes moisture from the air supply

Plasma Cutting

▶ **The cutting capabilities will be based on the output of the machine. See Spectrum literature for power requirements.**

Spectrum 375
907529
Rated to cut 3/8" material

Spectrum 625
907579
Rated to cut 5/8" material

Spectrum 875
907583
Rated to cut 7/8" material

Full KVA Adapter Cord
300517
NEMA 14-50 to NEMA 6-50R for easy pairing with equipment such as Spectrum series plasma cutters.