CASE FRONT CONTROLS

CASE FRONT CONTROL DESCRIPTIONS

1. Storage Compartment – Provides storage for small items such as tips and drive rolls.

2. Adjustment Knob – Permits selecting wire feed speed for MIG & FCAW welding, or output current for SMAW & GTAW welding.

3. Adjustment Knob – Permits selecting voltage for MIG & FCAW welding, or activates output for SMAW & GTAW welding.

   • Replacement Shield: KP4140-1

5. Home Button – Returns the user to the Home Screen. At the Home Screen, the user can select a welding process or the display settings can be configured.

6. Center Adjustment Knob – Permits selecting items by rotating the knob to the desired icon. Pressing the knob will select an item.

7. Back Button – Permits returning to the previous screen.

8. Gun Connection – Permits attachment of a MIG welding gun. Ensure the gun is fully seated into the brass receptacle.

9. Power Switch – Permits turning the machine on or off.

10. Positive Output Receptacle – Permits attaching a work lead, electrode stinger or the center wire drive polarity lead to DC positive polarity. Rotate clockwise to lock into place.

11. Wire Drive Polarity Lead – Permits configuring the wire drive to positive or negative polarity by inserting into the positive or negative stud. Ensure connector is tightly locked into place by rotating clockwise.

12. Four Pin Trigger Receptacle – Permits triggering the machine for MIG/FCAW or aluminum MIG. Connect the 4-pin connector present on the welding gun to the receptacle.

13. Negative Output Receptacle – Permits attaching a work lead, electrode stinger, or the center wire drive polarity lead to DC negative polarity. Rotate connector clockwise to lock into place.
CASE BACK

CASE REAR COMPONENTS DESCRIPTION

1. Thermal Breaker – The Power Mig 210 MP features a resettable 25 amp thermal breaker. If the current conducted through the breaker exceeds 25 amps for an extended period of time, the breaker will open and require manual reset.

2. Gas Solenoid Connector – Connection for the gas hose.

3. Input Power Connector – The NEMA input power receptacle accepts either of the input power cords. To connect, align tabs and insert. Twist connector clockwise to lock into place.

INTERNAL CONTROLS

INTERNAL CONTROLS DESCRIPTION

1. Spool Gun Switch – Permits toggling between standard push gun welding with the Magnum Pro 175L or aluminum welding with the Magnum Pro 100SG Spool Gun.

2. Wire Drive Tension Pressure Adjustment – Permits increasing or decreasing the pressure applied to the top drive roll.

3. Wire Drive Spindle – Supports a 4-inch or 8-inch spool of wire. The center wing-nut can be adjusted to increase tension on the wire.

4. Replaceable Wire Guide – Select the correct inner wire guide for the desired wire diameter. The outer wire guide provided can be used for any wire diameter.

5. Replaceable drive roll – Select the correct drive roll for the wire diameter and composition being fed.

6. Optional Foot Pedal Adapter Kit for TIG Welding – The optional K4104-1 Adapter Kit can be installed by removing the plastic plug button and securing the circular connector to the center panel. The adapter permits connecting a foot pedal. Use a small flathead screwdriver to remove the plug button.

7. Gun Connector Block – Permits securing a welding gun to the wire drive by ensuring the gun connector is fully seated, then tightening the large knob.