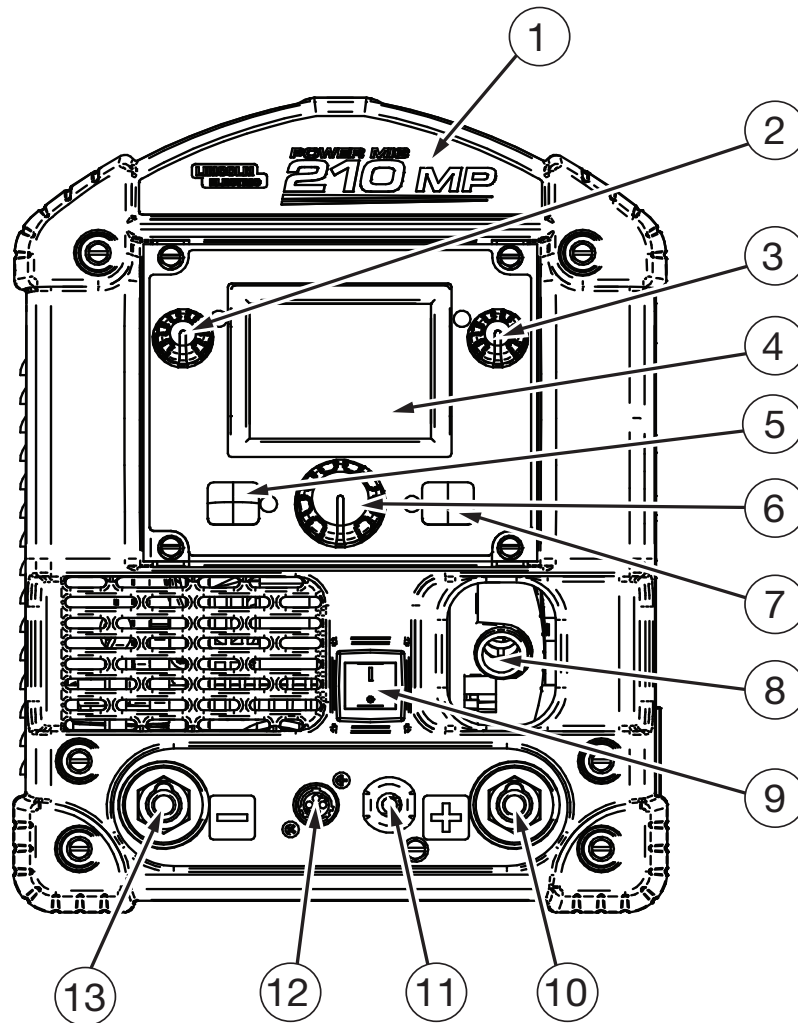


## CASE FRONT CONTROLS

FIGURE A.1

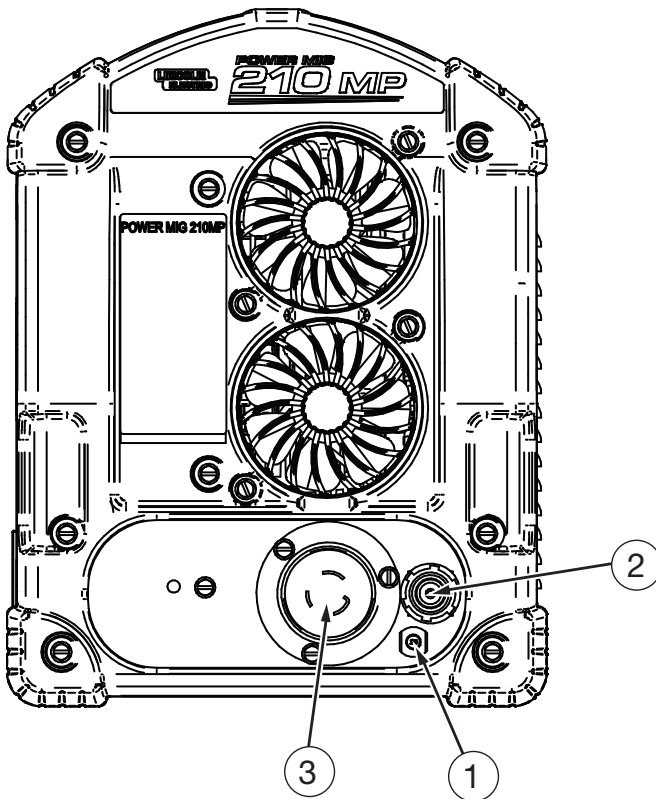


## CASE FRONT CONTROL DESCRIPTIONS

- 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.
- 4. Color LED Screen** – Permits visualization of welding process and parameters. The screen features a replaceable screen shield for protecting against dust & dirt.
  - **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

FIGURE A.2

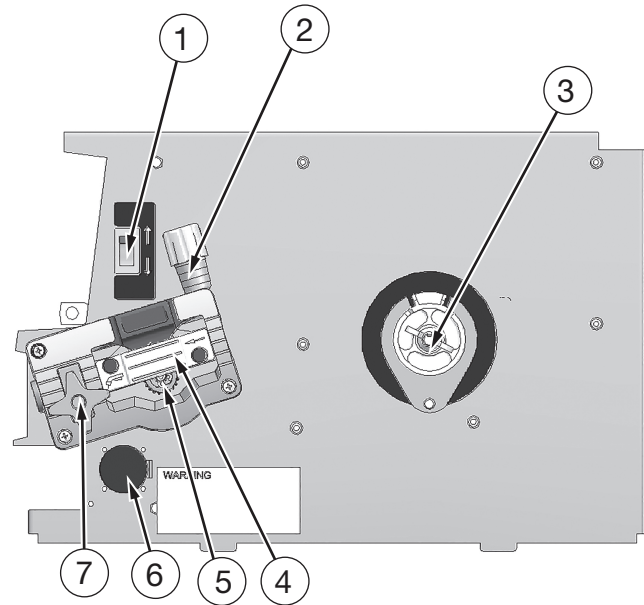


## CASE REAR COMPONENTS DESCRIPTION

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

FIGURE A.3



## 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