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Technical Precision 120 (GAS) SKID STEER LOADER BATTERY

Technical Precision Replacement 120 (Gas) Skid Steer Loader Battery User Manual

INTRODUCTION

This manual provides essential instructions for the safe and effective use, installation, and maintenance of your Technical Precision Replacement 120 (Gas) Skid Steer Loader Battery. Please read this manual thoroughly before installation and operation to ensure proper handling and to prevent damage or injury.

SAFETY INFORMATION

WARNING: Batteries contain corrosive acid and produce explosive gases. Improper handling can cause severe injury or death.

- Always wear appropriate personal protective equipment, including safety glasses and gloves, when handling batteries.
- Ensure adequate ventilation when charging or working near batteries to disperse explosive gases.
- Keep sparks, flames, and smoking materials away from batteries.
- Avoid contact with battery acid. If contact occurs, flush immediately with water and seek medical attention.
- Do not short-circuit battery terminals.
- Keep batteries out of reach of children.
- Follow all manufacturer guidelines for the skid steer loader when replacing the battery.

PRODUCT OVERVIEW

The Technical Precision Replacement 120 (Gas) Skid Steer Loader Battery is designed to provide reliable power for compatible skid steer loader models. This is a rechargeable 12-volt battery.



A gray rectangular battery with a black top and a black carrying handle. Two metal terminals are visible on the top surface, indicating positive and negative connections.

SETUP AND INSTALLATION

1. **Preparation:** Ensure the skid steer loader's ignition is off and the parking brake is engaged. Disconnect any external power sources.
2. **Safety First:** Wear safety glasses and gloves.
3. **Disconnect Old Battery:** Locate the existing battery. First, disconnect the negative (-) terminal cable, then the positive (+) terminal cable. Carefully remove the old battery from the battery tray.
4. **Inspect and Clean:** Inspect the battery tray and cables for corrosion or damage. Clean any corrosion with a wire brush and a baking soda/water solution. Ensure the tray is dry before installing the new battery.
5. **Install New Battery:** Carefully place the Technical Precision replacement battery into the battery tray. Ensure it is seated securely.
6. **Connect Cables:** First, connect the positive (+) terminal cable to the positive post of the new battery. Then, connect the negative (-) terminal cable to the negative post. Ensure all connections are tight and secure.
7. **Secure Battery:** Use the original battery hold-down clamp or strap to secure the new battery firmly in place.
8. **Final Check:** Double-check all connections and ensure no tools or debris are left in the battery compartment.

OPERATING INSTRUCTIONS

This battery functions as a direct replacement for the 120 (Gas) Skid Steer Loader Battery. Once properly installed, the battery will provide power to the loader's electrical system. No special operating procedures

are required for the battery itself beyond ensuring proper installation and regular maintenance.

- Always ensure battery terminals are clean and connections are tight for optimal performance.
- Avoid completely discharging the battery, as this can reduce its lifespan.
- If the loader will be stored for an extended period, consider using a trickle charger to maintain battery health.

MAINTENANCE

Regular maintenance extends the life and performance of your battery.

- **Terminal Inspection:** Periodically inspect battery terminals for corrosion. If corrosion is present, disconnect the battery (negative first, then positive) and clean the terminals and cable clamps with a wire brush and a baking soda/water solution. Rinse with clean water and dry thoroughly before reconnecting.
- **Casing Inspection:** Check the battery casing for cracks, bulges, or leaks. A damaged battery should be replaced immediately.
- **Charge Level:** Ensure the battery maintains an adequate charge. If the skid steer loader is used infrequently, consider using a compatible battery charger to keep the battery fully charged.
- **Storage:** When storing the battery for extended periods, ensure it is fully charged and stored in a cool, dry place. Disconnect it from the vehicle to prevent parasitic drains.

TROUBLESHOOTING

If you experience issues with your battery, consider the following common problems and solutions:

- **Engine Cranks Slowly or Not at All:**
 - Check battery terminal connections for tightness and corrosion.
 - Verify the battery's charge level. A low charge may require recharging or replacement if the battery is old.
 - Ensure the vehicle's charging system (alternator) is functioning correctly.
- **Battery Not Holding a Charge:**
 - Inspect for parasitic drains on the vehicle's electrical system when the ignition is off.
 - Test the battery's health with a battery tester. If the battery is old or damaged, it may need replacement.
- **Corrosion on Terminals:**
 - Clean terminals as described in the Maintenance section. Apply anti-corrosion grease to prevent future buildup.

If problems persist after attempting these troubleshooting steps, consult a qualified technician or contact Technical Precision support.

SPECIFICATIONS

Feature	Detail
Brand	Technical Precision
Model Name	120 (GAS) SKID STEER LOADER BATTERY
Item Model Number	120 (GAS) SKID STEER LOADER BATTERY
ASIN	B01M26TYRR
Voltage	12 Volts
Reusability	Rechargeable
Unit Count	1.0 Count
Manufacturer	Technical Precision
Date First Available	October 19, 2016

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Technical Precision Replacement 120 (Gas) Skid Steer Loader Battery, please contact Technical Precision directly. Refer to your purchase documentation for specific warranty terms and contact details.