

BATTERY CONDITION AND FAULTS



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|--|------------------------------|-----------------------------|
| 1. Are the terminals corroded? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. Are the terminals blackened or absorbed? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 3. Is the battery swollen? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4. Is the battery damaged or broken? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 5. Is there leakage from the battery? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 6. Is the battery discharging or self-discharging? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 7. Is there sulphation on the battery? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

1. CORRODED TERMINALS



Recommendations for Corroded Terminals

Cleaning Steps:

1. Remove the battery.
2. Wash terminals with warm, soapy water.
3. Check that terminals and wires are in good condition.
4. Reinstall and secure the battery.

Tip:

Apply petroleum jelly [Vaseline] or copper grease to prevent further corrosion.

2. BLACKENED OR ABSORBED TERMINALS



Causes:

- High temperatures / Engine overheating
- Manufacturing defects
- Low or no acid level
- Continuous jump starting
- Blocked battery breather

Recommendations:

- Replace the battery if necessary.
- For persistent issues, top up with distilled water as needed.
- Ensure the manufacturer's heat shield is properly installed.

3. SWOLLEN BATTERY

Causes:

- Undercharging
- Overcharging
- Breather Vents

Recommendations:

- Correct battery size application
- Check charging system
- Check Usage vs AMPs
- Cleanliness of battery



4. DAMAGED BATTERY



Causes:

- Poor handling of battery
- Vibration from battery holder
- Overfastening of battery holder

Recommendations:

- Handle battery with care
- Secure the battery properly

5. BATTERY DISCHARGING

Causes:

- Cold weather
- Appliances left on
- Shelf storage

Recommendations:

- Don't jumpstart
- Take to the nearest service centre to be charged and discharge the battery



6. SULPHATION



Causes:

- Undercharging
- Battery leakage
- Batter not charged at all
- Wrong size of battery

Recommendations:

- Use the correct battery size
- For added appliances, create a new separate charging mechanism [crossover switch].