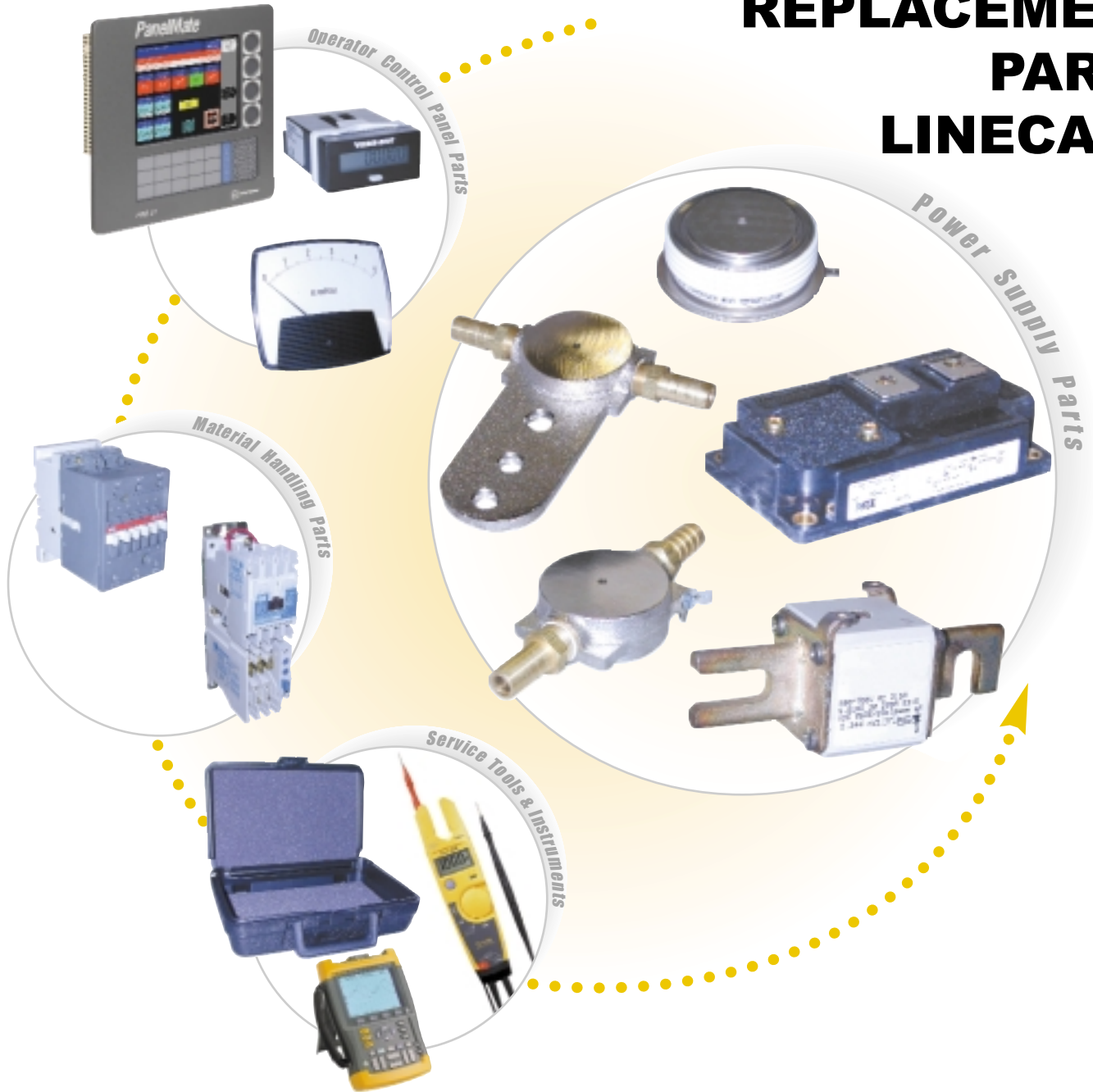


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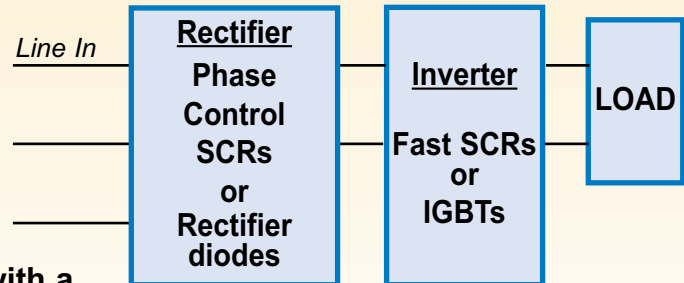
SCR and Diode Resistance Measurements with a Volt-Ohmmeter (VOM)

Using a battery-operated VOM can lead to erroneous conclusions, if the results are misinterpreted.

- The only valid SCR or diode resistance indications on a VOM are "open" and "short".
- The anode-cathode or gate-cathode measurement must show a short (zero resistance) in both directions (forward and reverse) for a device to be considered "shorted" and infinite for an "open".
- Diodes normally show low resistance in the forward direction and high resistance when the VOM probes are reversed (this can be used to check diode polarity).
- SCRs normally have a high resistance from anode-cathode in both directions. For an SCR to be open the gate-cathode must also show open.

Precautions:

- Hockey-puck SCRs and diodes should be under sufficient force (approximately 200 lbs.) to get a reading.
- Determine whether the resistance measurement is being taken across the device and not something else in the circuit. Open an anode, cathode, or gate connection if in doubt.



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