BATTERY CHARGER, VEHICLE-MOUNTED CHARGER (VMC)

TAMCN: H6002

ID: 11100B

NSN: 6130-01-527-2726

Functional Description

The Vehicle-Mounted Charger (VMC), PP-8481B/U, is the replacement for the Charger-On-The-Move (COTM). The VMC is designed for mounting in a tactical vehicle and provides forward area charging capabilities. The VMC charges two batteries at a time and automatically moves to the next two batteries in queue. The VMC comes with two Universal Adapters (J-6520A/U). Additional adapters are available but must be ordered separately. To avoid draining the vehicle battery, the VMC has a low voltage cutoff, which will stop battery-charging operations when low voltage is detected from the vehicle battery.

Technical Description

<table>
<thead>
<tr>
<th>Battery Charger</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer: Bren-Tronics</td>
<td>Length (in): 27.0</td>
</tr>
<tr>
<td>Model: PP-8481B/U</td>
<td>Width (in): 8.0</td>
</tr>
<tr>
<td>Input: 90-260 VAC or 22-28 VDC</td>
<td>Height (in): 14.0</td>
</tr>
<tr>
<td>Frequency (Hz): 47-420</td>
<td>Weight (lbs): 34.0</td>
</tr>
<tr>
<td>Warranty: 4 Years from MFG date</td>
<td>Volume (ft³): 1.7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Adapter</th>
<th>Adapter NSN</th>
<th>Battery</th>
<th>Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>J-6581/U (BULK)</td>
<td>5940-01-494-7116</td>
<td>BB-2590/U</td>
<td>BB-390B/U</td>
</tr>
<tr>
<td>VMC-IISR</td>
<td>BTA-70862</td>
<td>MBITR (PRC-148)</td>
<td>MBITR (PRC-153)</td>
</tr>
</tbody>
</table>

NOTES: Requires periodic software upgrades as new adapters become available. The Universal Adapter J-6520A/U is not interchangeable with the COTM Universal Adapter J-6520/U. Heating effects caused by AC power operation may degrade battery charge acceptance. The VMC comes with both an AC (CX-13553) and DC (CX-13554) power cables.
BATTERY CHARGER, CHARGER-ON-THE-MOVE (COTM)

TAMCN: H6002
ID: 11100A
NSN: 6130-01-494-9164

Functional Description

The PP-8481A/U or Charger-On-The-Move (COTM) is designed for mounting in a tactical vehicle and provides forward area battery charging capabilities. The PP-8481A/U operates while the vehicle is moving or stationary and is programmed to automatically charge two batteries simultaneously and then auto sequence to the next batteries waiting to be charged. The PP-8481A/U comes with two Universal Adapters (J-6520/U). Additional battery adapters are available and ordered separately. To avoid draining the vehicle battery, the COTM has a low voltage cutoff, which will stop battery-charging operations when low voltage is detected from the vehicle battery.

Technical Description

Battery Charger
- Manufacturer: Bren-Tronics
- Model: PP-8481A/U
- Dimensions:
  - Length (in): 26.5
  - Width (in): 8
  - Height (in): 13
- Power:
  - Weight (lbs): 32
  - Volume (ft³): 1.6
- Input:
  - AC: 100 to 250
  - DC: 22 to 28
- Frequency (Hz): 50-60
- Warranty: 4 years from MFG date

Adapter
- J-6520/U 5940-01-467-5851
- J-6522/U 5940-01-468-0314

Battery
- BB-2590/U
- BB-388/U
- BB-2847/U
- BB-2847/U (Holds five BB-2847’s)

Technical Description

Dimensions
- Length (in): 26.5
- Width (in): 8
- Height (in): 13
- Weight (lbs): 32
- Volume (ft³): 1.6

Temperatures
- Operating: +25°F to +104°F
- Storage: -40°F to +158°F

NOTES: This item was purchased by units and is not a program of record.