

# LUCAS WORKSHOP INSTRUCTIONS

## MOTOR CYCLE BATTERIES

### STARTER BATTERIES MODELS SC7E AND SCZ7E

#### Supplementary Information to Section L-4 Part A.

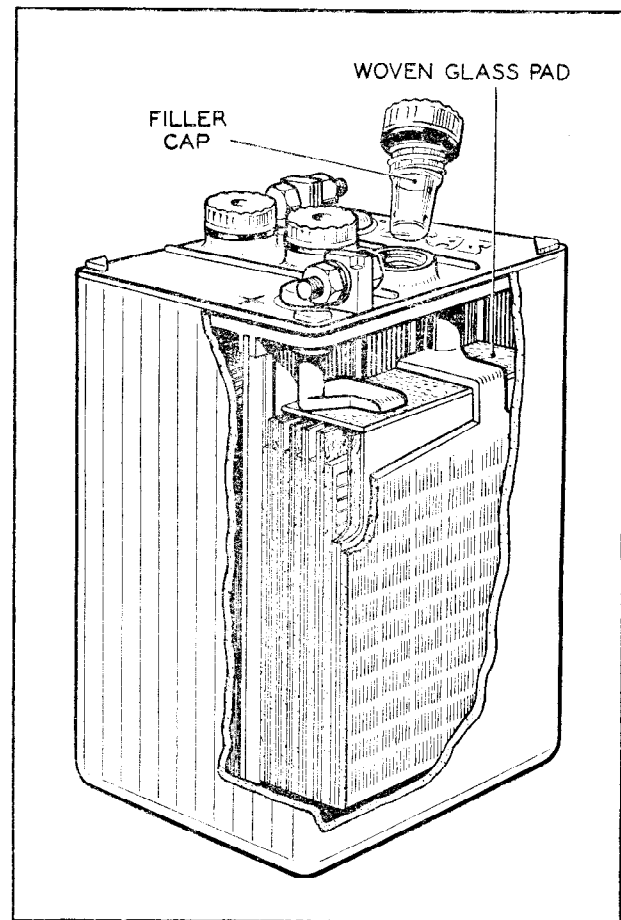
Model SC7E and SCZ7E battery containers are moulded in a translucent material enabling the acid level within to be discernible from the outside. The upper edges of the separators are protected by a woven glass pad which also serves as an anti-splash device. Other features include anti-spill filler caps, nut-and-bolt type terminals and a container top free from intercell connectors.

Model SCZ7E batteries are 'dry-charged' and do not require initial charging, but are prepared for service as described in Section L-4 Part A.

#### TECHNICAL DATA

1. Nominal voltage: 6 volts
2. No. of plates: 7 per cell
3. Electrolyte to fill: 750 c.c.
4. Amp-hr. capacity at 10 hr. rate: 22.5  
Amp-hr. capacity at 20 hr. rate: 26
5. Initial charge current: 1.5 amp.
6. Recharge current: 2.5 amp.
7. Specific gravity of electrolyte (corrected to 60°F), for filling both uncharged and 'dry-charged' batteries:  
Home trade and climates ordinarily below 90°F. (32°C.)  
Filling 1.270. Fully charged 1.270—1.290.  
Climates frequently over 90°F. (32°C.)  
Filling 1.210. Fully charged 1.210—1.230.
8. The approximate proportions of acid and water are required as follows:

To obtain Specific Gravity (corrected to 60°F.) of:	Add 1 vol. of acid of 1.835 S.G. (corrected to 60°F.) to:
1.270	2.9 vols. of water
1.210	4.0 vols. of water



Sectioned view of Battery

