



**WARNING:** For cleaning brake parts use only Girling cleaning fluid or unused Castrol/Girling brake and clutch fluid. Use only Castrol/Girling universal brake and clutch fluid in Lucas Girling car brake systems and CRIMSON fluid in Lucas Girling commercial vehicle systems.

**WARNING:** For optimum results and safety, Lucas recommends that *all work should be carried out by a suitably trained fitter/mechanic* and worn units should be replaced by new units. If it is decided to service a used component particular attention should be paid to the following. *If in doubt or difficulty fit a new unit or seek professional help.*

### Master cylinders

Illustrated above are three typical cylinders together with the variations in dust covers.

Unscrew filler cap (1) lever out baffle (3) and remove cap washer (2).

Type 'B' cylinder; unscrew retaining collar (4) remove reservoir extension (5) and sealing washer (6).

No attempt should be made to remove plastic reservoir from type 'A' cylinder.

Shake out plunger assembly (7) or eject carefully with compressed air and then lift leaf (8) to dismantle.

Clean parts with Girling cleaning fluid or clean Girling brake fluid. Examine the plunger (9) and cylinder bore.

If the surfaces are not in perfect condition a new cylinder assembly must be used.

Re-assemble plunger (7) ensuring the spring washer (10) and seal (11) are fitted as shown on inset 'E'.

Leaf (8) must be pressed home to secure the subassembly to the plunger, as indicated in inset 'E'.

Lubricate plunger bore with clean brake fluid and refit plunger assembly (7), push rod (12) and circlip (13).

Pack the dust cover (14) with Girling rubber grease and fit.

Refit remaining parts but ensure when fitting new sealing washer (6) to type 'B' cylinder it does not twist and cause a leakage.

For further information regarding brake service kits, performance products or genuine Lotus products, please phone The Elan Factory on (613) 9761-1903 or fax on (613) 9739-8944. Alternatively you can write to The Elan Factory at 5 Marong Court, Boronia Heights 3155, Melbourne, Australia or e-mail at [sales@elanfactory.com.au](mailto:sales@elanfactory.com.au)