Fig.9.21. Dual-line servo braking system, early 4.2 litre cars

| 1	Fluid at feed pressure	A	Primary chamber - slave cylinder	G	Diaphragm	O	Fluid reservoirs
2	Fluid at master cylinder delivery pressure	B	Outlet port-rear brakes	H	Filter	P	To manifold
3	Fluid at system delivery pressure	C	Inlet port - secondary piston	I	Air control	Q	To reservac
4	Vacuum	D	Outlet port-front brakes	J	To rear brakes	R	Reaction valve
5	Air at atmospheric pressure	E	Vacuum	K	To front brakes		
		F	Air pressure	L	Tandem slave cylinder		
				M	Vacuum cylinder		
				N	Master cylinder		
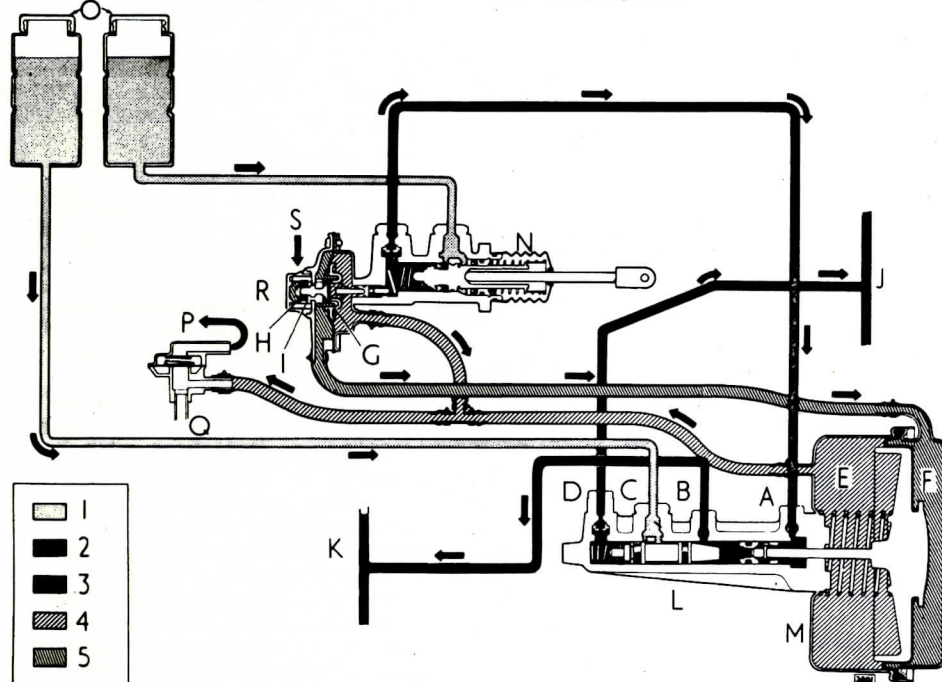
Fig.9.22. Dual-line servo braking system, later 4.2 litre cars

1	Outlet connection	9	Pushrod	17	Abutment plate	25	Seal
2	Gasket	10	Diaphragm support	18	Bearing	26	Retainer
3	Inlet connection	11	Diaphragm	19	Seal	27	Slave cylinder body
4	Piston	12	Key	20	Spacer	28	Spring
5	Pin	13	Cover	21	Cup	29	Trap valve
6	Retaining clip	14	Vacuum cylinder shell	22	Piston	30	Stop pin
7	Gasket	15	Screw	23	Cup	31	Gasket
8	Spring	16	Locking plate	24	Piston washer		

The booster
assembly, Fig.9.
moulded phenol
push rod, secure
face of the tank i
motive force for

The tandem s
face of the boo
which houses tw
inlet and outlet
the event of a fai

With referenc
rest both sides of
manifold depres
moves the piston
fluid is forced ou
(A). At the same
master cylinder
valve and so isol
(F) of the boost
piston along its
reaction valve an
rear of the boos
through a small c
pressure imbalanc
the cylinder trans
the primary pisto
the primary pisto
cylinder, transmit
(C) and fluid und
output ports (B an

This system ha
a failure in the
cylinder or in the
reservoirs, the rea
the master cylinde
front and rear bra

A failure in th
front brakes will
travelling to its fu
effect of isolating
system and will pe
rear brake line.

If there is a fa
piston will travel a
the two pistons w
the front brakes. C
seen from Fig.9.22

In the case of
front and rear bral
fluid at master cyli

Lockhead dual-

1. The precaution
maintenance, clean
or grease) of rubb
any part of the dua
2. Before starting
the appropriate rep
parts, required du
available, namely:
Remote servo re
Reaction valve r