

AUTOMATIC CHOKE

Difficulty is sometimes experienced in starting a partly warmed engine. Several detail changes have been made, to alleviate the condition, which include the fitting of a temperature sensitive switch, as used on previous automatic choke S. U. carburation systems, a modified butterfly valve, a cover for the thermostatic coil housing and the lagging of the pipes from exhaust manifold to choke butterfly housing and coil housing. All sections of this alteration are independent of each other and parts are interchangeable, it should be noted that this is a retrospective modification.

Part numbers are:-

Displaced		New.
UE. 6227	- Valve - Choke - Butterfly	UE. 8230
UE. 6433	- Assy - Air Pipe - Butterfly - Housing Ex. Manifold	UE. 8233
UE. 6252	- Assy - Air Pipe - Exhaust Manifold Coil Housing	UE. 8232
	Otter Switch	UD. 1819
	Cover - Thermostat Coil - Automatic Choke	UE. 8264

2.K.6.

AUTOMATIC CHOKE

CONTROLS S2 LH.

The plain pin which retains the throttle stop lever to the cross shaft, has a tendency to work loose; in order to obviate this a split pin has been substituted.

Part numbers are:-

<u>Displaced</u>		<u>New</u>	Part number
UE. 7831	Pin - Cross Piece	K. 4601/Z	Displaced
UE. 8230	Valve - Choke - Butterfly		UE. 8227
UE. 8233	Assy - Air Pipe - Butterfly - Housing Ex. Manifold		UE. 8237
UE. 8232	Assy - Air Pipe - Exhaust Manifold - Coil Housing		UE. 8225
OD. 1819	Over Switch		
UE. 8264	Cover - Thermostat Coil - Automatic Choke		

2.K.9.  
Addendum

Carburetters.

Bentley S2 Silver Cloud II. Phantom V.

The following are chassis numbers of cars which are fitted with the new carburetters.

'B' Series

Bentley S2 (Standard Steel Cars)

Chassis

B.286.BS, 288, 290, 412, 414, 424, 430, 432, 434, 438, 446, 448, 452 to 500. Even numbers only.

'C' Series

Chassis

B.1.CT to B.445.CT. Odd numbers only.  
B.2.CU to B.756.CU. Even numbers only.

'B' Series

Silver Cloud II (Standard Steel Cars)

Chassis

SVB.497

'C' Series

Chassis

SWC.116, 130, 132, 134, 138, 148 to 158, 166 to 184, 188 to 730. Even numbers only.

SXC.1 to SXC.671. Odd numbers only.

2.K.9.  
Addendum

- 2 -

'A' Series

Bentley S.2. (Long Wheelbase)

Chassis

LBA.19 to 26 Inclusive

'B' Series

Silver Cloud II (Long Wheelbase)

Chassis

LCB.6 to LCB.101 Inclusive.

'A' Series

Bentley S.2. Continental

Chassis

BC.102.AR, 110, 117, 120, 121, 125, 128, 139, 146, 149, 150,  
151.

'B' Series

Chassis

BC.1.BY to BC.101.BY Inclusive

'A' Series

Phantom V.

Chassis

5.AT.8, 34, 48, 74 to 100 Even numbers only.  
5.AS.59, 87.

2.K.9.  
Addendum

- 3 -

'B' Series

Chassis

- 5.BV.1 to 5.BV.101. Odd numbers only.
- 5.BX.2, 4, 6.

CARBURETTERS

BENTLEY S.2. SILVER CLOUD II, PHANTOM V.

There has been a change of part numbers on the SU carburetters fitted to these cars; parts are interchangeable.

Displaced

New

UE. 7365	Carburetter A Bank	UE. 8429
UE. 7366	Carburetter B Bank	UE. 8430



Fast Idle Cam Bracket.

Bentley S2 Silver Cloud II Phantom V.

The following are chassis numbers of cars which are fitted with the new fast idle cam bracket.

'B' Series

Bentley S2 (Standard Steel Cars)

Chassis

B.458.BS, 462 to 500. Even numbers only.

'C' Series

Chassis

B.1.CT to B.445.CT Odd numbers only.  
B.2.CU to B.756.CU Even numbers only.

'C' Series

Silver Cloud II (Standard steel cars)

Chassis

SWC.184, 188 to 256, 260 to 730. Even numbers only.  
SXC.1 to SXC.671. Odd numbers only.

'A' Series

Bentley S2 (Long Wheelbase)

Chassis

LBA.19 to 26 Inclusive

2. K-10.  
Addendum

- 2 -

'B' Series  
Bentley S2 (Long Wheelbase)

Chassis

LCB.8, 10 to 101 inclusive.

'B' Series  
Bentley S2 Continental

Chassis

BC.3.BY to BC.101.BY inclusive

'A' Series  
Phantom V

Chassis

5.AT.82 to 86, 92 to 100. Even numbers only.

'B' Series

Chassis

5.BV.1 to 5.BV.101 Odd numbers only  
5.BX.2, 4, 6.



FAST IDLE CAM BRACKET

BENTLEY S2, SILVER CLOUD II, PHANTOM V

The method of mounting the fast idle cam bracket has been modified.

Under the present arrangement the bracket is fitted between the manifold 'T' piece and the butterfly housing support bracket a system which necessitates two joint faces.

The bracket will now be fitted on the outside of the support bracket and a joint face is thereby eliminated.

The new fast idle cam bracket cannot be used on earlier cars but the new butterfly housing support bracket can be used on all cars.

With the elimination of the joint face the joint also is dispensed with.

Part Numbers are as follows:-

<u>Displaced</u>	<u>New</u>
UE.6223 Support bracket, butterfly housing	UE.7178
UE.6293 Bracket assy, fast idle cam	UE.7200
UE.6238 Joint	

CARBURETTER

BENTLEY S2 SILVER CLOUD II PHANTOM V

The material of the float chamber union has been changed from brass to steel.

Present stock of brass unions to be used up.

Unions are interchangeable and part numbers are as follows :-

Displaced

UE. 2907 Union

New

UE. 8624

ACCELERATOR PEDAL STOP

BENTLEY S2 SILVER CLOUD SII PHANTOM V R. H. CARS

An adjustable on stop is to be provided for the accelerator pedal. It consists simply of a screw and threaded bush, in the toeboard on the body side. A rubber pad stuck to the back of the pedal provides contact.

These parts supersede the stop which was fitted to the outside of the toeboard.

Parts, which are not interchangeable, are as follows:-

<u>Displaced</u>		<u>New</u>
UR. 4887	On Stop bracket	-
UR. 1234	Button, on stop bracket	-
	Set screw	UR. 5218
	Washer, set screw	UR. 5219
	Rubber pad, accelerator pedal	UR. 5220

CARBURETTER CONTROLS

BENTLEY S2, SILVER CLOUD II, PHANTOM V.

L.H. CARS.

Modifications have been made to the carburetter controls, on LH cars, which incorporate a considerable proportion of the system already in use on RH cars. The rods and shafts which connect the accelerator pedal to the carburetter, via a rubber bush mounted on the dash, have been eliminated. In place of this the pedal connects to an isolating link mechanism, fitted between the underside of the pedal mounting and an extension to the rear near side engine mounting bracket; from here connection is made by rod to a three way balance lever mounted on the flywheel bell housing. Connection from this lever to the carburetter is identical to that at present fitted to RH cars and appearing in the S2 Spares Schedule, Section B.7, from item Reference No. 66 upwards.

The remaining arm of the balance lever is connected by rod to the TV control lever on the gearbox. The modification made to this lever on RH cars, and explained in Information Sheet 2. T. 2 has been introduced on LH cars. These two unconnected modifications have been introduced together and are thus dependent on each other but only by virtue of the length of the TV control rod.

Part numbers, none of which are interchangeable unless stated to the contrary, are as follows -

<u>Displaced</u>		<u>New</u>
UR. 5003	Accelerator Pedal Assy	UR. 5262
GB. 5097	Pull off spring, accelerator	UR. 5265
	Bracket assy isolating link	UR. 5179
	Side Plate, isolating links C.S.	UE. 8081
	Side Plate, isolating links N.S.	UE. 8082
	Rod isolating links to balance lever	UE. 8083
	Rod pedal lever to isolating links	UE. 8085
	Bush, clamping, isolating links	UE. 8086
	Link isolating, centre, assy	UE. 8091
	Tie rod, isolating link	UE. 8090

. 2 -

Displaced

New

	Balance lever Assy	UE. 8094
	Distance tube short, isolating link	UE. 8096
	Distance tube long, isolating link	K. 9747/Z
	Link, pull off spring, accelerator pedal	UE. 8309
UE. 7834	Control rod assy, cross to throttle	
UE. 1859	Jaw assy, control rod	
RG. 5763	Bush, clamping jaw, control rod	
UE. 8049	Operating lever and throttle shaft	
UE. 7828	Flanged bush assy, shaft	
UE. 7835	Connecting shaft assy, throttle	
UE. 7830	Cup washer cross piece	
UE. 7816	Spring, steady connecting shaft	
UE. 8052	Throttle assy and stop levers carburetter	
UE. 7782	Throttle lever, carburetter	
UE. 7821	Throttle return spring	
UE. 7820	Distance piece, return spring	
UE. 6364	Link throttle return spring	
UE. 7837	Lever assy, throttle 'A' bank carburetter	
UE. 7822	Rod, carburetter lever to manifold lever	
UE. 7812	Rod, coupling, carburetter lever	
UE. 7806	Lever, carbs, to manifold shaft	
UE. 7829	T. V. control shaft assy	
UE. 7815	Lever, T. V. control, bell housing	
UE. 7847	Control rod bell housing to gearbox	
UR. 5038	Stop, lever, accelerator pedal linkage	
UR. 5057	Link pull off spring accelerator pedal	
RG. 6025	Link pull off spring accelerator pedal	
UR. 4623	Bracket LH rear engine mounting (Interchangeable - use early part only on cars not fitted with alteration)	UE. 8350
UE. 7564	Bell housing assy (The only reason why these are not i/c is the pivot lever below)	UE. 8516
UE. 7811	Pivot, balance lever	UE. 8517
UE. 7800	Stop bracket, throttle lever	

- 3 -

Displaced

New

UE. 7863 Distance piece, throttle shaft  
 UG. 108 Spring, throttle control shaft  
 UE. 6366 Distance piece, control shaft  
 UE. 7813 Control rod, bell housing to  
 manifold layshaft



Addendum 2.K.14.

AUTOMATIC CHOKE

BENTLEY S2 SILVER CLOUD II PHANTOM V

Since the original issue of this information sheet an improved type of fast idle cam has been introduced.

Piece numbers are as follows:-

Displaced

New

UE.9208 Fast Idle Cam

UE.9451