



## **Spares Information Sheets**

**Rolls-Royce Silver Cloud III  
Rolls-Royce Phantom V  
Bentley S3  
Bentley Continental S3**

**Printed and Published by  
Bentley Motor Cars Limited  
Crewe Cheshire  
CW1 3PL England**

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# SECTION A

## GENERAL INFORMATION

BENTLEY S.3. SILVER CLOUD III

The following are the major changes of piece numbers which have occurred with the introduction of the S.3/III series cars. The S.3 parts cannot be used for replacements on S.2 unless we specifically state this. Stocks should of course be used up in any case.

<u>S.2 Piece No.</u>		<u>S.3 Piece No.</u>
<u>ENGINE</u>		
UE.5685	Valve, top washer	UE.9812
UE.7426	Valve, bottom washer I/C	UE.9603
UE.802	Valve, spring I/C	UE.9672
UE.9698	Inlet rocker, I/C	UE.9628
UE.9695	Exhaust rocker, I/C	UE.9627
UE.8605/6	Inlet valve	UE.9620/9630
UE.8607	Exhaust valve I/C	UE.9690
UE.5805	Camwheel, I/C	UE.6988
UE.6165	Crankshaft I/C	UE.9806
UE.6054	Connecting Rod assy	UE.9820
UE.2777		UE.9818
or		or
UE.903	Small end bush	UE.9819
UE.8270	Piston assy. (9:1 CR)	UE.9957
UE.8265	Piston (9:1 CR)	UE.9958
UE.8270	Piston assy. (8:1 CR)	UE.30260
UE.8265	Piston (8:1 CR)	UE.30255
UE.5703	Gudgeon pin	UE.9959
KB.14019/L	Circlip, gudgeon pin	KB.14024/L
	(The 8:1 C.R. - pistons are used only when the car is domiciled in countries where 100 octane fuel is not readily available)	
	Plug oil drilling	UE.30017
UE.9329	Cylinder head, I/C	UE.9625
UE.9330	Cylinder head (Continental 'B' bank only) I/C	UE.9654

3.A.1.

- 2 -

S.2. Piece No.S.3. Piece No.

(The only difference between UE.9625 and UE.9654 cylinder heads is the omission of one core plug in the latter).

RH.2043	Cam wheel and pinion assy I/C	RH.2166
RH.2050	Cylinder liner and piston assy. standard	RH.2177
RH.2050	Cylinder liner and piston assy. 8:1 C.R.	RH.2267

FUEL SYSTEM

UE.8429	Carburetter 'A' Bank	UE.9815
UE.8430	Carburetter 'B' Bank	UE.5748
RH.2067	Air Silencer Assembly complete (All cars except Ph.5 and Continental)	RH.2178
RH.2065	Air Silencer Assembly complete (Continental only)	RH.2179
RH.2066	Air Silencer Assembly complete (Phantom 5 only)	RH.2180
UE.7066	Hose, air silencer	UE.30067
	The new air silencers differ in the attitude of the outlet pipe. A shorter hose is required in consequence. If the hose also is changed S.3 silencers can be used on S.2.	
UE.9163 or UE.9616	Butterfly housing assembly	UE.9962
	The enclosed breather system (Inf. sheet 2.E.39.) is to be fitted on all cars. UE.9616, the original housing, breathes on the engine side of the butterfly. UE.9962 breathes on the fresh air side and is the one which will be fitted when stocks of UE.9616 are used up.	
UE.9495	Breather pipe assembly	UE.9890
UE.8958	Jet needle. US.	UE.9938
UE.6538	Air Intake assy. 'A' Bank	UE.6262

S. 2 Piece No.

S. 3 Piece No.

FUEL SYSTEM (Cont'd)

UE. 6339	Air intake assy. 'B' Bank Flanged sleeve (Not previously used)	UE. 6263 UE. 6226
RE. 10620	Joint, air intake	UE. 6230
	Vacuum pipe, distributor	UD. 10713

COOLING

UE. 3477	Radiator top and bottom tank assy	UR. 5654
UE. 7936	Radiator shell assy. (Bentley)	UR. 5729
UE. 1189	Vanes assy. (Bentley)	UR. 5766
UE. 1171	Strip, flange (Bentley) (UE. 1171 can be produced from UR. 5717)	UR. 5717
UE. 1171	Strip, flange (Rolls-Royce)	UR. 5763
UE. 1187	Centre vane	UR. 5728
UE. 1242/50	Outer vane RH (Bentley)	UR. 5718/26
UE. 1233/41	Outer vane LH (Bentley)	UR. 5730/28
	Baffle plate assy (Bentley)	UR. 5899
UE. 1341	Shell and shutter assy (Rolls-Royce)	UR. 5740
UE. 1340	Shell assy. (Rolls-Royce)	UR. 5741
UR. 1339	Vanes assy (Rolls-Royce)	UR. 5757
UR. 5444	Baffle plate assy. (Rolls-Royce)	UR. 5773
UR. 1332/3	Vane (Rolls-Royce)	UR. 5759
UR. 1334/5	Vane (Rolls-Royce)	UR. 5760
UR. 1739	Centre stiffener (Rolls-Royce)	UR. 5761
UR. 1738	Centre stiffener (Rolls-Royce)	UR. 5762
UR. 3479	Fan cowl assy.	UR. 5885
UE. 1723	Support bracket assy	UR. 5875
UE. 1028	Stay, diagonal, lower, radiator	UR. 5845
UE. 1029	Stay, diagonal, upper, radiator	UR. 5846
UB. 1398	Stay, wing, LH	UR. 5849
UB. 1399	Stay, wing, RH	UR. 5850

REFRIGERATION

UE. 9547	Compressor assy. I/C	UE. 30187
UE. 8268	Compressor I/C	UE. 30186

S.2 Piece No.

S.3 Piece No.

RE. RIGERATION (Cont'd)

The new compressor can be used for all replacements. Difference is an increase in capacity.

UE.7503/7702	Condensor	UE.5580
	Assy. pipe, condensor to flex hose	UR.5881
	Pipe	UR.5880
UD.5080	Pipe condensor to control valve	UD.8621

STEERING

UR.1920	Power cylinder assy. LH	UR.8009
UR.3252	Power cylinder assy LH complete	UR.8017
UR.1920	Power cylinder assy. RH	UR.8010
UR.3252	Power cylinder assy. RH complete	UR.8016
UR.1937	Bracket mounting, power cylinder	UR.8014
	None of the new parts can be used for replacements unless the bracket UR.8014 is supplied.	
UR.4261	Top cover assy. transfer gear casing	UR.8041
UR.4112	Top cover, transfer gear casing	UR.8002
UR.4508	Transfer gear casing LH	UR.8043
UR.4259	Transfer gear casing RH	UR.8042
	Rubber mounting washer	UR.8031
	Distance piece	UR.8032
	Rubber bush	UR.3109
	Washer	UR.1692
	Nut	K.4006/Z

On S.3 cars clearance is given where the cover formerly spigotted into the casing. The securing studs are bushed in rubber and provision for the bushes has been made by reducing the stud diameter from 5/16" to 2.BA and increasing the dia of the holes in the top cover to accept the rubber bushes. Old casings have been used up on early cars by the use of a 5/16"/2.BA stud. This modification is not fitted to earlier cars.

<u>S. 2. Piece No.</u>		<u>S. 3. Piece No.</u>
<u>STEERING (Cont'd)</u>		
UR. 4510	Steering cam tube, LH	UR. 8011
UR. 4258	Steering cam tube, RH	UR. 8012
( UR. 3361		
( UR. 5481	Bearing, steering cam tube	UR. 8013
( UR. 5522		
UR. 5892	Valve housing, steering box	UR. 5890
	Spring disc, steering box	UR 5706/7/8
UR. 1681	Bearing housing	UR. 8029
UR. 1673	Valve, steering box	UR. 5647
UR. 5662	Swivel bracket, steering pump	UE. 9850
UE. 5647	Steering pump pulley	UE. 9842
UE. 5671	Steering pump	UE. 9846
RH. 2041	Steering box assy. with hoses RH cars	RH. 2183
RH. 2042	Steering box assy. with hoses LH cars	RH. 2184
RH. 2131	Steering box assy. less hoses RH cars	RH. 2265
RH. 2132	Steering box assy. less hoses LH cars	RH. 2266
<u>ELECTRICAL</u>		
UE. 7322	Bracket assy. dynamo I/C	UE. 9845
UE. 488	Screw, dynamo I/C	UE. 9848
UD. 1728	Lamp, front/flasher LH )All countries	UD. 8341
UD. 1728	Lamp, front/flasher RH )except U.S. A.	UD. 8342
	)Switzerland	
	)Canada, Italy.	
UD. 1728	Lamp, front/flasher LH (U.S. A. Switzerland Canada, Italy only)	UD. 8401
UD. 1728	Lamp, front/flasher RH (U.S. A. Switzerland Italy, Canada only)	UD. 8400
	Screw, side lamp and flasher to wing	UD. 11034
	Used on above lamps. 4 off on each	
UD. 4845	Lamp, front/side/flasher (All countries except Italy, Canada, Switzerland)	UD. 6333
UD. 4845	Lamp, front side/flasher (Italy, Canada and Switzerland only)	UD. 6334
	The above two lamps UD. 6333/4 are for Park Ward Continentals only.	
	Seal, headlamp to fairing	UD. 8626

S 2. Piece No.S. 3. Piece No.HEADLAMPSItaly

Headlamp - 2E	UD. 8559
Light unit assy	UD. 8585
Bulb 45/40 watts	UD. 3970
Headlamp - 1E	UD. 8558
Light unit assy	UD. 8584
Bulb 45/40 watts	UD. 3970

Please note : Only one filament of bulb is used in UD. 8558 headlamp.

N & S AmericaMiddle East

Headlamp - 1A	UD. 8532
Sealed beam unit 37.1/2 watts	UD. 8549
Headlamp - 2A	UD. 8533
Sealed beam unit 37.1/2 / 50 watts	UD. 8550

Home Cars

Headlamp - 1A	UD. 8524
Sealed beam unit 37.1/2 watts	UD. 8545
Headlamp - 2A	UD. 8525
Sealed beam unit 37.1/2 / 50 watts	UD. 8540

Sweden

Headlamp - 1A	UD. 8524
Sealed beam unit 37.1/2 watts	UD. 8545
Headlamp - 2E	UD. 8531
Light unit assy.	UD. 8546
Bulb 45/40 watts	UD. 3970

Austria

Headlamp - 1A	UD. 8562
Sealed beam unit 37.1/2 watts	UD. 8527
Headlamp - 2E	UD. 8564
Light unit assy.	UD. 8528
Bulb 45/40 watts	UD. 3970



S.2. Piece No.

S.3. Piece No.

HEADLAMPS (Cont'd)

Europe except  
 France, Italy  
Sweden, Austria

Headlamp - 1A	UD. 8524
Sealed beam unit 37.1/2 watts	UD. 8545
Headlamp- 2E	UD. 8526
Light unit assy	UD. 8539
Bulb 45/40 watts	UD. 3970

France

Headlamp - 1A	UD. 8529
Sealed beam unit 37.1/2 watts	UD. 8547
Headlamp - 2 E	UD. 8530
Light unit assy.	UD. 8539
Bulb 45/40 watts	UD. 4866

Backshell	UD. 8536
This backshell is common to all above headlamps.	

UD. 2307	Horn, windtone	UD. 5582
UD. 2102	Horn, windtone	UD. 5583
	(Horns are identical except for position of mounting bracket. They can be turned round)	
	Distance piece, mounting bracket horns	UD. 5588
	Distance piece, mounting bracket bumper	UD. 5589
	Bracket, snow shield to bumper	UD. 5591
	Bracket, mounting, horn to bumper	UD. 5592
	Bracket, snow shield to steering ram upper	UD. 5594
	Bracket, snow shield to steering ram lower	UD. 5596
	Snow shield assy	UD. 5598
	Bracket, horn support (LH) (HF horns only)	UR. 5240
	Bracket, horn support (RH) (HF horns only)	UR. 5241
UR. 2623	Backing plate assy, anti-roll bar	UR. 5247
UR. 5203	Cross channel assy.	UR. 5256

S.2. Piece No.S.3. Piece No.TRANSMISSION

UG. 832	Coupling flange rear axle pinion (Bentley and Silver Cloud)	UG. 4215
UG. 2760	Coupling flange rear axle pinion (Phantom 5)	UG. 4216
UG. 3539	Coupling flange, prop shaft	UG. 4214
UG. 3906	Propeller shaft (123" cars)	UG. 4217
UG. 3907	Propeller shaft (127" cars)	UG. 4219
UG. 3909	Propeller shaft (Phantom 5)	UG. 4220
UG. 494	Carrier assy. front planet	UG. 4191
UG. 1328	Carrier and shaft assy, front planet	UG. 4190
UG. 1351	Front and rear drum assy	UG. 4299
UG. 1348	Front drum assy	UG. 4298
	All the above transmission parts are interchangeable.	

RH. 2047	Assy. rear axle centre casing complete 13/40 ratio, (CT. BT. RT 23 and 27 S3 SIII) I/C	RH. 2261
RH. 2049	Assy. rear axle centre casing complete 9/35 (RT 45 Phantom 5) I/C	RH. 2262

SUSPENSION

UR. 3844	Steering yoke assy. LH	UR. 5959
UR. 3779	Steering yoke LH	UR. 5673
UR. 3843	Steering yoke assy RH	UR. 5960
UR. 3778	Steering yoke RH	UR. 5674
UR. 5138	Threaded bush lower fulcrum pin rear end I/C	UR. 5306

FRAME

UR. 4650	Frame assy. (123" wheelbase)	UR. 5568
UR. 4743	Frame assy. (soft top)	UR. 5581
UR. 4706	Frame assy. (127" wheelbase)	UR. 5623

BODY

UB. 2580	Capping rail assy. (123" wheelbase)	UB. 3859
UB. 3537	Capping rail	UB. 3860
	Bracket, support ashtray, capping rail RH	UB. 3840

S. 2. Piece No.S. 3. Piece No.BODY (Cont'd)

	Bracket, support ashtray, capping rail LH	UB.3841
	Screw, capping rail ashtray	UA.8123/Z
UW.2122	Seal, rubber, dashboard I/C	UW.2648
UE.7758	Bonnet assy )	UR.5861
RH.2070	Panel assy. bonnet, RH ) R.R.	RH.2169
RH.2071	Panel assy. bonnet, LH )	RH.2170
373/407	Bonnet assy )	373/470
473/152	Panel assy. bonnet RH ) Bentley	RH.2171
473/153	Panel assy. bonnet LH )	RH.2172
	Adjustable mounting angle assy. RH radiator to valance	UR.5886
	Adjustable mounting angle assy. LH radiator to valance	UR.5887
UE.1194	Bracket, bonnet fastener	UR.5856
	Angle, wing stay	UR.5866
173/353	Bracket bonnet trough, front LH	UR.5713
173/352	Bracket bonnet trough, front RH	UR.5714
173/383	Bracket bonnet trough, rear LH	UR.5715
173/382	Bracket bonnet trough, rear RH	UR.5716
UE.7824	Moulding centre bonnet	UR.5778
UE.7823	Moulding centre bonnet	UR.5779
	The old mouldings can be produced from the new. The only difference is in the overall length.	
373/369	Valance plate assy. LH	UR.5787
UE.7982/3	Valance plate LH	UR.5949
373/368	Valance plate assy RH	UR.5788
UE.7980/1	Valance plate RH	UR.5950

IGNITION

UD.4687	Distributor	UD.8583
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EXHAUST SYSTEM

UE.3499	Downtake pipe assy. RH	UR.5903
UE.3416	Downtake pipe assy. LH	UR.5638
	Clamp, exhaust pipe	UR.5639
	Sealing ring, exhaust pipe	UR.10978
	Special nut, clamp	UR.5665

S.2. Piece No.S.3. Piece No.EXHAUST SYSTEM (Cont'd)

	Special bolt, clamp	UR.5666
UR 5439	Front silencer assy, (Std. & Long Wheelbase)	UR.5948
UR.5453	Front silencer assy. (Continental)	UR.5948
	Robinsons type exhaust mounting	UR.5634
	Clamp, exhaust pipe intermediate	UR.5364
	Sealing ring, exhaust pipe intermediate	UR.5367
UR.5389	Rear silencer assy and front inter. pipe (All 123" Wheel Base Cars)	UR.5648
UR 5389	Rear silencer assy and front inter. pipe (All 127" Wheel Base Cars)	UR.5651
UE.7591	Damping box assy, and rear pipes (All 123" and 127" cars except Continental)	UR.5678
UE.7735	Damping box assy. and rear pipes (Continental)	UR.5873
	Locating piece, tail pipe mounting	UR.5838
	Bonding strip	UD.8614

It should be noted that some of the above modifications do not apply to 'A' and 'B' series cars. These are built to the final S.2 specification in the following respects:

Frame and exhaust system  
Gearbox  
Steering yokes

'A' Series steering is in accordance with S.2. Information Sheet 2.N.7 for right and left hand cars.

(1) Re-issued to amend incorrect part numbers on pages 1, 3, 4, 8 and 9.

3.A.2.

REAR SHOCK DAMPER TOOL

BENTLEY S3, SILVER CLOUD III, PHANTOM 5

A tool is available for the extraction and insertion of the rear shock damper link Silentbloc bushes in the rear axle tubes.

Price of the tool is £2-4-0d the piece number RH.7007.

The tool can be used on all cars from S1 series and onwards.

This Spares Information Sheet has been re-located from Section H to Section A.

Silver Cloud H. J. Mulliner, Park Ward 2 and 4 Door Saloon  
 Silver Cloud H. J. Mulliner, Park Ward Drop Head Coupe  
 (with Power Operated Hood)  
 Silver Cloud James Young 4 Door Saloon

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As some considerable time may elapse before the special parts fitted to these cars can be incorporated into the S. 3. Spares Schedule, they are being given below.

Where no mention is made of a particular part it may be assumed that either it is the same as is fitted to a Standard Silver Cloud or it is a coachbuilders item.

Parts are as follows:-

Bumpers

Rear bumper is the same as the Bentley Continental bumper except that it bears a Rolls-Royce badge, in the centre, in place of the Winged B.

Piece numbers are:-

UR.8636	Rear Bumper Assy	Park Ward Cars in all countries except France.
UR.8638	Rear Bumper Assy	Park Ward Cars - France only
UR.8637	Rear Bumper Assy	Mulliner cars in all countries except France.
UR.8639	Rear Bumper Assy	Mulliner Cars - France only.
UR.1958	Badge Housing Assy.	
RF.8139	Name Plate Assy	
UA.302/Z	Nut. Housing to Bumper	
K.4410/Z	Washer Housing to Bumper	
K.4404/Z	Washer, Name Plate to Housing	
K.4307/Z	Nut. Name Plate to Housing	

Continued.....

ROLLS-ROYCE LIMITED, 100, GLEBE ROAD, LONDON, W.1

8.6.64.

Q/KH.

The following front bumpers are fitted:-

UR.8690 For cars in all countries except France.

UR.8691 For cars in France only.

The mounting bolts, nuts and washers are the same as those used on Bentley Continentals.

James Young cars are fitted with Standard Silver Cloud Bumpers, front and rear.

#### Bonnet

Fittings are the same as for Silver Cloud except:-

UE.1194 Bracket assembly. Bonnet Fastener replaces UR.5856  
 UE.5837 Packing Piece is not fitted  
 173/382 Bonnet Mounting Bracket Rear RH replaces UR.5716  
 173/383 Bonnet Mounting Bracket Rear LH replaces UR.5715  
 373/441 Bentley Continental S.3. bonnet stay assembly is fitted.

Bonnet panels are a coachbuilders supply.

#### Valance Plates

Special Valance plates are:-

UR.8668 Right Hand  
 UR.8669 Left Hand  
 UE.8307 Rear Extension assembly Right Hand Valance plate is fitted.

#### Instrument Board

Special Speedometers are:-

UD.8964 Miles  
 UD.8965 Kilos  
 UD.8966 Kilos (Germany and Italy only)  
 UD.8967 Miles/Kilos

Continued.....

The speedometer flexible drive is the same as fitted to Bentley Continental.

The 4 in 1 instrument and clock as fitted to Silver Cloud.

All instrument board switches are as fitted to Bentley Continental  
Picture plates are:-

UD. 5386 Picture Plate, Heater and Demister Switch  
UD. 5055 Picture Plate, Panel Light and Wiper Switch.

Heater and Demister Control Valves are as fitted to Bentley Continental.

#### Water Connections

These are as fitted to Bentley Continental other than the steam escape pipe hose; this is the standard Silver Cloud UR. 5487.

#### Radiator

All parts including cowl, stays, supports, shell and vanes and mascot are as fitted on Silver Cloud.

#### Brakes

Front and rear brakes are to the latest standard Silver Cloud specification shown on Spares Information Sheet 3.G.4.

#### Gearbox

Governor and rear pump as for Bentley Continental i.e. as shown on pages H. 5. and H. 7. of the Gearbox Spares Schedule. Volume III.

#### Heating and Demisting

Heater and Demister ducting, as for Bentley Continental.

#### Lamps

All lamps as for Bentley Continental.

Continued.....

3.A.3.

- 4 -

Windscreen Wiper

Motor, arms and blades as for Bentley Continental.

Wires and Cables

As for Bentley Continental.

8.6.64.

Q/KH.

SPARES & TOOLSBENTLEY S3. SILVER CLOUD III. PHANTOM 5

The tyre pressure gauge which has been supplied in the tool kit on all post war cars up to the present time is no longer available and an alternative is now being provided.

Part numbers are as follows :-

<u>Displaced</u>		<u>New</u>
RF.5279	Gauge Pressure Dunlop No.6.	UR.8760

3.A.5.

PHANTOM 5

Please note that from chassis 5.L.VB.43 onwards the above cars are fitted with S.3. distributor and carburettors.

7.10.64

Q/KH.

Applicable to: ALL POST WAR CARS

Information Sheet No. A.5 ISSUE 2  
 Section A  
 Date 7 11 73  
 Page No. 1 of 2

## GENERAL

## REPLACEMENT BEARING SETS

Main and Big End bearings will in future only be supplied in sets.

Main Bearings are as follows:-

MODEL	SIZE	PART NUMBER
Bentley V1 A to L Series	) Standard	RH.2082
Silver Wraith A to E Series	) 0.010" U/S	RH.2087
Silver Dawn A and B Series	) 0.020" U/S	RH.2091
	) 0.030" U/S	RH.2095
Bentley M Series onwards		
Bentley R type	) Standard	RH.2083
Silver Wraith F Series onwards	) 0.010" U/S	RH.2088
Short and long wheelbase	) 0.020" U/S	RH.2092
Silver Dawn C Series onwards	) 0.030" U/S	RH.2096
Bentley S.1	) Standard	RH.2084
Silver Cloud 1	) 0.010" U/S	RH.2089
	) 0.020" U/S	RH.2093
	) 0.030" U/S	RH.2097
Bentley S.2	) Standard	RH.2086
Silver Cloud 11	) 0.010" U/S	RH.2103
	) 0.020" U/S	RH.2104
	) 0.030" U/S	RH.2105
Bentley S.3	) Standard	RH.2499
Silver Cloud 111	) 0.010" U/S	RH.2500
Phantom V	) 0.020" U/S	RH.2501
Bentley 'T' Series	) 0.030" U/S	RH.2502
Silver Shadow		
Phantom VI		

Continued.....

Applicable to: ALL POST WAR CARS

Information Sheet No. A.5 ISSUE 2  
 Section A  
 Date 7 11 73  
 Page No. 2 of 2

## BIG END BEARING SETS

MODEL	SIZE	PART NUMBER
All post war 6 cyl. Engines	) Standard	RH.2099
	) 0.010" U/S	RH.2100
	) 0.020" U/S	RH.2101
	) 0.030" U/S	RH.2102
Bentley S.2 Silver Cloud 11	) Standard	) RH.2140
	)	) RH.2141
	)	)
	) 0.010" U/S	) RH.2142
	)	) RH.2143
	)	)
	) 0.020" U/S	) RH.2144
	)	) RH.2145
Bentley S.3 Silver Cloud 111 Phantom V Bentley 'T' Series Silver Shadow Phantom VI	)	)
	) Standard	RH.2504
	) 0.010" U/S	RH.2505
	) 0.020" U/S	RH.2506
	) 0.030" U/S	RH.2507

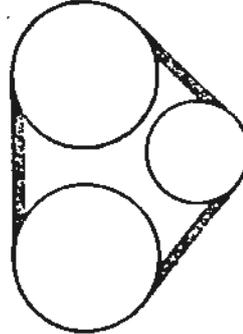
Re-issued to bring main bearing sets up to date.

Cwt/KH/GL

BENTLEY VI - R TYPE AND CONTINENTAL, SILVER DAWN,  
SILVER DAWN E SERIES, SILVER WRAITH AND SILVER  
WRAITH LONG WHEELBASE.

Section A  
Information Sheet No. A.7  
Page No.1 of 6 (Issue 2)  
Date 18.4.72

The following is a list of all belt layouts used on Post War Bentley and Rolls-Royce cars. Amended sheets will be issued as and when necessary.



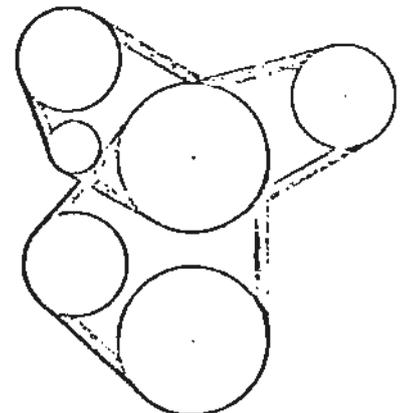
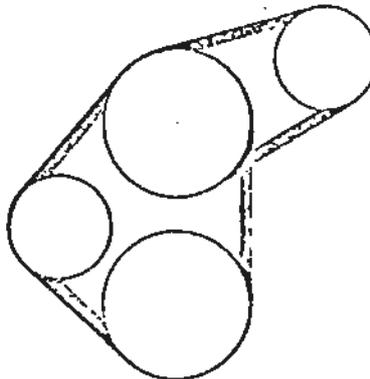
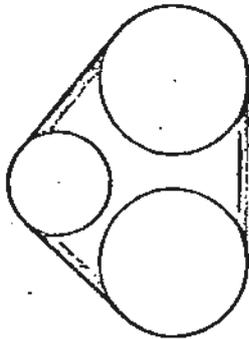
BELT LAYOUT IS SINGLE V BELT

<u>CHASSIS TYPE</u>	<u>PART NUMBER</u>
<u>BENTLEY VI</u>	
Series A, B, C, D, E, F, Also Chassis B-GT. 1-133, 141-205, 209, 211	<u>RE. 20941</u>
Chassis No's B-Gt. 135-159, 207, 213	<u>RE. 20950</u>
<u>BENTLEY R TYPE</u>	
All Chassis B-RT to B-ZY	<u>RE. 20950</u>
* " " " " "	<u>RE. 20941</u>
<u>BENTLEY CONTINENTAL SPORTS</u>	
All Chassis BC-A to BC-E	<u>RE. 20950</u>
* " " " " "	<u>RE. 20941</u>
<u>SILVER DAWN</u>	
LSBA. All Chassis. LSCA. Chassis No's 1-7	<u>RE. 20941</u>
LSCA. Chassis No. 9 onwards	<u>RE. 20950</u>
<u>SILVER DAWN E SERIES</u>	
All Chassis SKE to SVJ	<u>RE. 20950</u>
* " " " " "	<u>RE. 20941</u>
<u>SILVER WRAITH</u>	
A, B, C, Also Chassis No's WHD 1-76	<u>RE. 20941</u>
Chassis No's WHD 77 onwards	<u>RE. 20950</u>
* " " " " "	<u>RE. 20941</u>
<u>SILVER WRAITH LONG WHEELBASE</u>	
Chassis ALW - DLW	<u>RE. 20950</u>
* " " " "	<u>RE. 20941</u>

NOTE: \*Chassis Exported to Switzerland Only

Continued...

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 Information Sheet No. A7  
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 Date 30.9.71

BENTLEY S.1 AND SILVER CLOUD ISILVER WRAITH LONG WHEELBASE SERIES ELW TO HLWLAYOUT NO. 1LAYOUT NO. 2LAYOUT NO. 3LAYOUT NO. 1

Crankshaft - Dynamo - Coolant Pump

Single Belt

PART NUMBERUE.2805LAYOUT NO. 2

Crankshaft - Dynamo - Coolant Pump

Twin Belts

UE.3790

Coolant Pump - Power Steering Pump

Single Belt

UE.4529LAYOUT NO. 3

Crankshaft - Dynamo - Coolant Pump

Three Belts

UE.4959

Coolant Pump - Jockey Pulley - Fridge Compressor

Twin Belts

UE.5095

Coolant Pump - Power Steering Pump

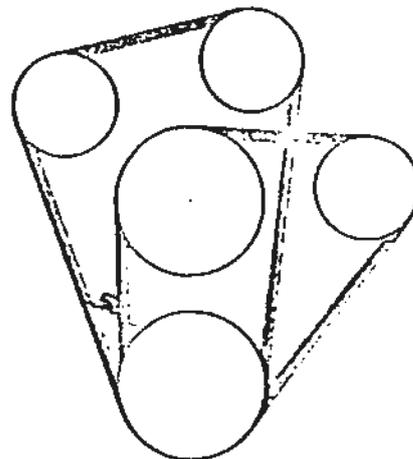
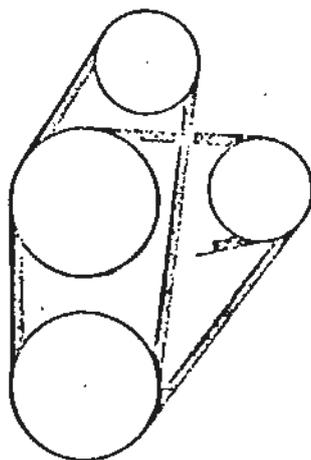
Single Belt

UE.4192

Continued...

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SILVER CLOUD II & III BENTLEY S.2 AND S.3 PHANTOM V



LAYOUT NO. 1

LAYOUT NO. 2

LAYOUT NO. 1

PART NUMBER

Crankshaft - Coolant Pump - Power Steering Pump

Twin Belts

UE.8590

Crankshaft - Coolant Pump - Dynamo

Twin Belts

UE.8591

LAYOUT NO. 2

Crankshaft - Fridge Compressor - Dynamo

Twin Belts

UE.5629

Crankshaft - Coolant Pump - Power Steering Pump

Twin Belts

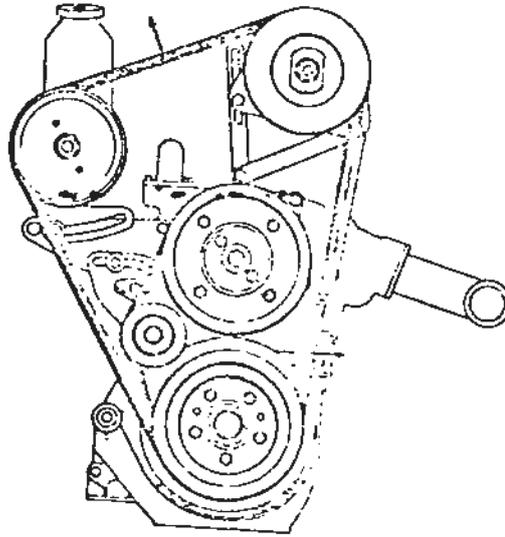
UE.8590

Continued...

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EARLY SILVER SHADOW AND BENTLEY 'T' SERIES WITH SAGINAW POWER  
 ASSISTED STEERING PUMP



BELTS REQUIRED

Crankshaft - Steering Pump - Dynamo

Twin Belts

PART NUMBER

UE. 34565

Crankshaft - Jockey Pulley - Coolant Pump

Twin Belts

UE. 34569

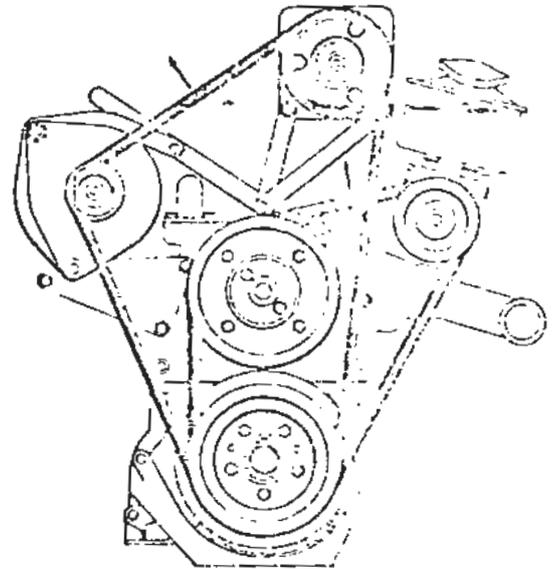
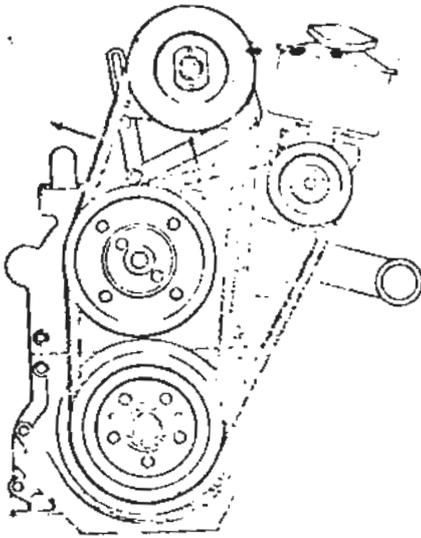
Continued...

Section A

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EARLY SILVER SHADOW AND BENTLEY 'T' SERIES WITH HOBOURNE EATON POWER ASSISTED STEERINGLAYOUT NO. 1BELTS REQUIREDLAYOUT NO. 1

Crankshaft - Coolant Pump - Dynamo  
 Crankshaft - Coolant Pump - Power Steering  
 Pump

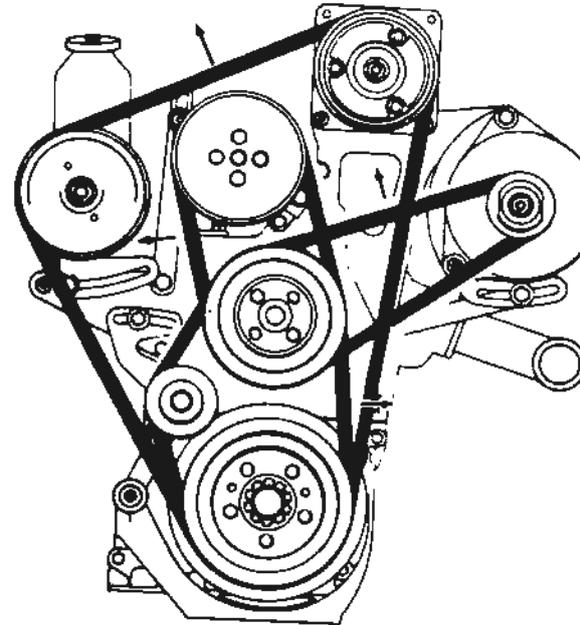
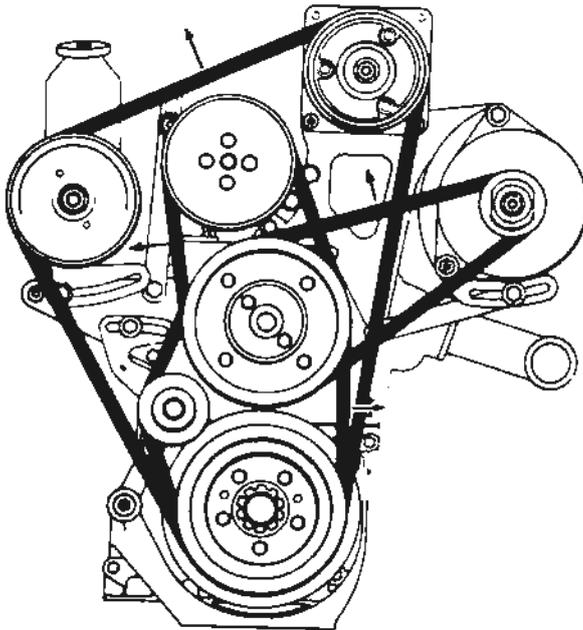
BELTS REQUIREDLAYOUT NO. 2

Crankshaft - Alternator - Fridge Compressor  
 Crankshaft - Coolant Pump - Power Steering  
 Pump

LAYOUT NO. 2PART NUMBERTwin Belts UE. 31126Twin Belts UE. 32658Twin Belts UE. 31386Twin Belts UE. 32658

Applicable to: LATER SILVER SHADOW AND  
BENTLEY 'T' SERIES

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Printed in England

1 TO 1 COOLANT PUMP DRIVE  
BELTS REQUIRED FOR 1 TO 1 DRIVE

- Crankshaft - Jockey Pulley - Coolant Pump
- Crankshaft - Steering Pump - Fridge Compressor
- Coolant Pump - Alternator
- Coolant Pump - Air Pump
- (If fitted with Exhaust Emission Control System)

BELTS REQUIRED FOR 1.2 TO 1 DRIVE

- Crankshaft - Jockey Pulley - Coolant Pump
- Crankshaft - Steering Pump - Fridge Compressor
- Coolant Pump - Alternator
- Coolant Pump - Air Pump
- (If fitted with Exhaust Emission Control System)

1.2 TO 1 COOLANT PUMP DRIVE

- Twin Belts UE 34569
- Twin Belts UE 37811
- Single Belt RH 8501
- Single Belt UE 33677

- Twin Belts UE 37810
- Twin Belts UE 37811
- Single Belt SPC 1280
- Single Belt UE 36363

Cwt/KH/HB

Applicable to: ALL POST WAR CARS

Information Sheet No	A16
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WINDSCREEN WIPERS

We have been informed by the manufacturer, that it is no longer economical to repair Windscreen Wipers and they will therefore cease to be a service exchange item. In future, new parts only will be supplied and when they are, it will be in accordance with the policy described in Spares Information Sheets M23, 2M58, 3M52, 4L89, 4L110 and 4L123, that is in separate units of Motor only, Shaft and Gear Assembly.

Piece numbers of the parts which will be available and their application, although described in the above Spares Information Sheets, are given again for easy reference:-

WIPER MOTOR ONLY

For all Post War Cars prior to Bentley 'T' Series and Silver Shadow	CD5720
For Bentley 'T' Series and Silver Shadow cars, prior to the serial numbers given in main box on Pages K1/4 and K1/5 of the Spares Schedule	CD5726
For Bentley 'T' Series and Silver Shadow cars, with serial numbers as given in main box on Pages K1/4 and K1/5 of the Spares Schedule	CD5612
For Bentley 'T' Series and Silver Shadow cars, with serial numbers as given in additional box on Pages K1/4 and K1/5 of the Spares Schedule	CD5708

SHAFT AND GEAR ASSEMBLIES

For Post War Cars up to the following:-

Bentley S3 Standard Saloon B494CN Bentley S3 Long Wheelbase BAL6 Silver Cloud III Standard Saloon SDW3 Silver Cloud Long Wheelbase CCL1 and all S1/2/3 Park Ward Continental cars	CD5717
For Bentley S3 Standard Saloons from B496CN Bentley S3 Long Wheelbase from BAL8 Silver Cloud III Standard Saloons from SDW5 Silver Cloud Long Wheelbase from CCL3	CD5718

Applicable to: ALL POST WAR CARS

Information Sheet No. A16

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Date May 1974

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For Bentley S1/2/3 Mulliner Continental Cars	CD5719
For Bentley 'T' Series and Silver Shadow LH Drive cars, prior to the serial numbers given in main box on Page K1/4 of the Spares Schedule	CD5728
For Bentley 'T' Series and Silver Shadow RH Drive cars, prior to the serial numbers given in main box on Page K1/5 of the Spares Schedule	CD5727
For Bentley 'T' Series and Silver Shadow LH Drive cars with serial numbers as given in main box on Page K1/4 of the Spares Schedule	CD5610
For Bentley 'T' Series and Silver Shadow RH Drive cars with serial numbers as given in main box on Page K1/5 of the Spares Schedule	CD5609
For Bentley 'T' Series and Silver Shadow LH Drive cars with serial numbers as given in additional box on Page K1/4 of the Spares Schedule	CD5709
For Bentley 'T' Series and Silver Shadow RH Drive cars with serial numbers as given in additional box on Page K1/5 of the Spares Schedule	CD5710

Rnr/KH/NM

**Applicable to:** ALL POST WAR CARS

Information Sheet No A 18  
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To facilitate computerisation, RH numbers have now been allocated to the various mod kits and overseas touring kits that are in use at the present time.

The parts affected are as follows:-

<u>DESCRIPTION</u>	<u>PIECE NO</u>
Continental Touring Kit No 1	RH 2595
Continental Touring Kit No 3	RH 2596
Continental Touring Kit No 4	RH 2597
Continental Touring Kit No 5	RH 2598
Continental Touring Kit No 8	RH 2599
Continental Touring Kit No 11	RE 2600
Continental Touring Kit No 15	RH 2601
Continental Touring Kit No 16	RH 2602
Continental Touring Kit No 17	RH 2603
Continental Touring Kit No 18	RH 2604
Continental Touring Kit No 19	RH 2605
Mod Kit No 2	RH 2606
Mod Kit No 3	RH 2607
Mod Kit No 4	RH 2608
Mod Kit No 5	RH 2609
Mod Kit No 6A	RH 2610
Mod Kit No 6B	RH 2611
Mod Kit No 6C	RH 2612
Mod Kit No 6D	RH 2613
Mod Kit No 7	RH 2614
Mod Kit No 8A	RH 2615
Mod Kit No 8B	RH 2616
Mod Kit No 8C	RH 2617
Mod Kit No 8D	RH 2618
Mod Kit No 9	RH 2619
Mod Kit No 10	RH 2620
Mod Kit No 11	RH 2621

Printed in England

Applicable to: ALL POST WAR CARS

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<u>DESCRIPTION</u>	<u>PIECE NO</u>
Mod Kit No 15	FH 2622
Mod Kit No 16	RH 2623
Mod Kit No 17	RE 2624
Mod Kit No 18	RH 2625
Key Guard RR	FH 2626
Key Guard Bentley	RH 2627
$\frac{1}{2}$ " Key Ring	RH 2628

Printed in England

Rnr/KH/NM

**Applicable to:** ALL POST WAR CARS

Information Sheet No. A 19  
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Date 21 8 74  
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PAINT

In future Regal Red paint will be supplied on chassis orders only and quantities will be restricted to the amount required to respray individual panels.

Rnr/KH/NM

Printed in England

Applicable to: POST WAR CARS

Information Sheet No. A 20  
Section A  
Date  
Page No. 1 of 1

#### IGNITION DISTRIBUTORS

It would appear that very little notice has been taken of our letter, reference JWn/DPn dated 23 February 1972, concerning the return to Crewe of defective distributors.

Because of this, our stocks of 6 cylinder ignition distributors are virtually non existant, therefore we must insist on the old unit being returned before a replacement is supplied.

Printed in England

Rnr/KH/NM

Applicable to: S.2: S.3: SY ENGINES

Information Sheet No.	A27
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TSD 293	

CAMSHAFT AND VALVES

Supplies of UE 6986 seal which were part of UE 6987 valve retaining collet are no longer available and when existing stocks have been used up will be replaced by EB 1748 collet, also required is a selastic sealing compound the part number of which is G2/131.

For fitting procedures see service bulletin SY-E-27.

DISPLACEDNEW

UE 6987	Valve Retaining collet	32 off	EB 1748
	Selastic Sealing (Tube)		G2/131

Printed in England

Rnr/NM/HB

Applicable to:

Information Sheet No. A 29

Section A

Date

Page No. 1 of 1

#### WINDSCREEN WASHER

We have been informed by the manufacturers that the 2SJ Washer Bottle carrier UD 5566 is no longer available.

In future if a new carrier is required the 5SJ washer and carrier complete peice number UD 13144 can be fitted for replacements. (See Spares Information Sheet 3 M 45).

Printed in England

Rnr/NM/DB

Applicable to: ALL CARS PRIOR TO SILVER SHADOW

Information Sheet No.	A. 30
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BUMPERS

We regret to say that supplies of these bumpers are no longer available and our reserve stocks vary from only a few months to none at all.

Fortunately a company, long established in the field of reclamation, have offered their services and they will be able to supply re-worked bumpers of most types, on an exchange basis.

Unfortunately, in order to conserve stocks, they have found it necessary to insist on the return of an acceptable damaged bumper before a re-worked one can be supplied.

The address of the company is as follows:-

Oatway Bros Limited  
7 Woodfield Road  
London W9

Telephone No 01 289 2522/3

This service is outside the normal exchange scheme and distributors are requested to contact Oatway Bros direct.

Rnr/NM

**Applicable to:** BENTLEY S3, S/CLOUD III  
MULLINER CONTINENTAL

Information Sheet No. A32  
Section A  
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WINDSCREEN WIPER ARM

The wiper arm UD 8568 shown in the Bentley S3, Silver Cloud III parts list, Page P28 Item 46, is no longer available and has now been replaced by a Lucas adjustable type 10½" - 13½", Part No RH 8934.

Rnr/NM/DB

# SECTION C

## AIR CONDITIONING



AIR CONDITIONING CONTROLS

BENTLEY S.3. SILVER CLOUD III

When cars are fitted with the C61 Refrigeration Unit it is possible for the compressor driving belts, to foul the rubber cover of the RH water tap actuator.

In order to ensure that this does not occur a new actuator mounting plate has been introduced, on which the actuator is located 1.500 inches forward of its original position.

With the introduction of this modification it has been necessary to fit a water tap control rod and link assembly of increased lengths.

Later cars are fitted with an additional water tap actuator mounted on the LH valance plate; these are unchanged.

Parts are not interchangeable and numbers are as follows :

<u>Displaced</u>		<u>New</u>
UD.4018	Assy - Mounting Plate - Water Tap and Actuator, RH side	UD.6343
UD.4025	Assy - Link and Connecting Rod - Water Tap controls (Changes on RH side only)	UD.6341



REFRIGERATION

BENTLEY S. 3. SILVER CLOUD III PHANTOM 5

The suction pipe from the compressor to the evaporator, and also the upper evaporator on underwing units are slightly different on S. 3. cars in order to avoid fouls between the pipe and the wing and the low pressure hose and the top of the carburetter.

Piece numbers are as follows:-

<u>S. 2</u>			<u>S. 3.</u>
UD. 5683	Assy - Pipe - Suction - Tee Piece	)R.R. Boot Unit )Refrigeration )Cars except )Long Wheel- )base Division )Cars.	UD. 6354
UD. 5742	Assy - Pipe - 3 Way Junction to Valve	)R.R. Boot Unit )Refrigerated )Cars.	UD. 6355
UD. 5253	Assy - Suction Pipe	)Under Wing )Refrigerated	UD. 6349
UD. 5201	Assy - Pipe - 3Way Junction to Valve	)Cars. )	UD. 8635
UD. 6052	Evaporator - Upper	)Under Wing Refrigerated )Cars	UD. 6353
UE. 8078	Bracket - Support - Flexible Hose - Refrigeration Compressor	)R.R. Boot Unit )Refrigerated )Cars	UR. 8044

Refrigerator Compressor Mounting Bracket

Bentley S2/3 Silver Cloud II/III Phantom V/5

Complaints of engine roughness on refrigerated S.3. cars with the UE.30186 compressor can sometimes be attributed to vibration of the mounting bracket.

In order to eliminate this the bracket has been stiffened by welding in an additional gusset which is bolted to 4 of the water pump casing setscrews.

The new bracket can be used for all replacements of UE.8266 providing new screws are also supplied.

On later brackets the stiffener is detachable and is secured to it by two of the compressor mounting setscrews.

Part numbers are as follows:-

<u>Displaced</u>		<u>Intermediate</u>	<u>Final</u>
UE.8266	Mounting Bracket Assy	UE.30401	UE.30779
Not fitted	Stiffener	Welded on piece	UE.30777
RE.22669	Screw, compressor to bracket	UE.30395	No change
UA.105/Z	Screw, bearing housing to casing (only two change)	UA.107/Z	No change
UA.173/Z	Screw, casing and bearing housing to crankcase	UA.174/Z	No change
UA.172/Z	Screw, casing to crankcase (only 1 changes)	UA.174/Z	No change

Ue.30779 can be used for all replacements if the following parts are also supplied:-

UE.30777	Stiffener	1 off
UE.30395	Screw	4 off
UA.107/Z	Screw	1 off
UA.174/Z	Screw	2 off



INTERIOR COOLING

BENTLEY S3 SILVER CLOUD III PHANTOM 5

An additional sight glass has been provided on C61 Refrigeration Units (Introduced on Spares Information Sheet 2.C.13.)

It has been positioned on the high pressure liquid line immediately before it enters the evaporator casing.

The access door in the right hand side panel has been repositioned.

The low pressure hose has been re-routed on RH cars to eliminate fouls with the steering box and accelerator and brake pedals. The hose connects to an adaptor on the valance plate, and an additional hose is required from the adaptor to the compressor.

Part numbers are as follows :-

<u>Displaced</u>		<u>New</u>
	<u>Sight Glass Modifications</u>	
UW. 2605	Assy - Side Panel - Boot Trim - RH )Standard )& Long )Wheelbase )Cars	UW. 2912
	Sight Glass - Danfoss Type SG 3/8	UD. 5784
	<u>Re-Routed Hoses - RH Cars</u>	
	Adaptor - Pipe - Compressor - Suction Hose	UD. 8889
	Bracket - Mounting - Pipe Adaptor to Valance Plate	UR. 8044
	Setscrew - Bracket - Valance Plate	UA. 101/Z
	Nut - Pipe Adaptor - Bracket	UE. 8079
	Flexible Hose - Compressor - Adaptor	UD. 8061

- 2 -

The following are chassis numbers of cars fitted with the new sight glass :-

Bentley S3 Standard Steel Cars

'C' Series

Chassis

B.260.CN onwards on cars fitted with the C.61 refrigeration system.

Silver Cloud III Standard Steel Cars

'C' Series

Chassis

SCX 713, 735.

'D' Series

Chassis

LSDW 131, 495 onwards on cars fitted with the C.61 refrigeration system.

The following are the chassis numbers of cars fitted with the re-routed hoses :-

Bentley S3 Standard Steel Cars

'C' Series

Chassis

B.260.CN onwards on RH cars fitted with the C.61 refrigeration system

Silver Cloud III Standard Steel Cars

'C' Series

Chassis

SCX 713, 735 onwards on RH cars fitted with the C61 refrigeration system.

Underwing RefrigerationBentley S3 Silver Cloud III Standard and LWB Park Wardwithout Division

An improvement to the outlet duct on underwing refrigerated cars has been effected by replacing the present 'drawer type outlet' by an adjustable vane type outlet similar to the ones already used on the capping rail.

The refrigeration outlet on the main cross duct has been cut back to enable the new outlet duct adaptor to be fitted; also other slight modifications have been made locally in order to secure the adaptor to the picnic tray runners.

Parts are not interchangeable and numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UB.2972	Assy Support Bracket and Mtg Bracket	UB.5185
UD.5051	Ventilating Drawer	
UD.8195	Cross Duct	UD.8653
	Assy, Outlet Duct	UD.5766
	Assy, adaptor	UD.8792
	Screw, adaptor to Support	CS.30563/Z
	Washer, Outlet Duct to adaptor	UD.4097
	Nut 4BA, Outlet Duct to adaptor	K.4404/Z
UB.2956	Assy Runners and Channel Picnic Tray	UB.5266
UB.4034	Assy Channel, Runner RH (part of UB.5266)	UB.5242
UB.4035	Assy Channel, Runner LH (part of UB.5266)	UB.5241



The 9" length of 11 m/m bore PVC tubing quoted on Spares Information Sheet 2.C.12 is no longer required for this application.

UR.8707/8 Hoses can be produced by cutting UR.5491 Hose into two equal halves.

3.C.7

REFRIGERATIONBENTLEY S3. SILVER CLOUD III PHANTOM 5

The 3 way junction pipe to valve assy has been changed in part number only.

Bentley S3 Silver Cloud III Spares Schedule Section M16. Item 1 and Section M10 Item 53.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD 6355	Assy pipe 3 way junction to valve (Boot Unit Refrigeration)	UD 9045
UD 8635	Assy Pipe 3 way junction to valve (Underwing Refrigeration)	UD 9046

CONTROLS - REFRIGERATIONBENTLEY S.3. SILVER CLOUD III, PHANTOM 5

Supplies of the 23B Danfoss Drier, which has been fitted on all refrigeration cars up to the present time, are no longer available; it has been replaced by the DS.200 type which is shorter and of larger dia.

As a result, for use on underwing installations, it has been necessary to increase the length of the pipes and increase the diameter of the support clip.

The new drier in boot unit installations is mounted at the front of the car in a similar position to that of underwing refrigeration cars. The drier having been removed from the boot a new pipe is required to connect the servicing valve to the hose. The drier is inserted between the receiver and the sill hose pipe; a new pipe is required to make this connection.

Existing literature instructs that the silica/gel in the drier should be changed every 10,000 miles and a new unit installed every 20,000. Service experience has shown that the latter is unnecessary and the drier can be retained indefinitely provided the contents are changed at the prescribed intervals.

The new drier cannot be dismantled and the contents cannot therefore be changed. When an installation includes the new drier it must be changed every 10,000 miles.

<u>Displaced</u>		<u>New</u>
UD.4989	Drier - Danfoss DS 200	UD.9089
UD.8194	Pipe Sight Glass to Drier (Boot Unit & Underwing Refrigeration)	UD.9088
UD.8192	Assy Pipe - Drier to Solenoid Valve (Underwing Refrigeration only)	UD.9087
UD.5227	Clip - Lower (Boot Unit & Underwing Refrigeration)	UD.9085
UD.8189	Assy - Clip Upper Half (Boot Unit & Under Wing Refrigeration)	UD.9084

- 2 -

Displaced

New

UD.5396

Pipe - Servicing Valve to Hose  
(Boot Unit Refrigeration only)  
Bolt, Clip Drier ) Boot Unit  
Nut, Clip Drier ) Refrigeration  
Washer, Clip Drier )

UD.9102  
UA.101/Z  
UA.301/Z  
UA.1251/Z

(i) Re-issued in accordance with 6374/REL.

CONTROLS REFRICERATION

BENTLEY S3 SILVER CLOUD III PHANTOM 5

Since the introduction of the DS 200 drier a minor modification has been made to the clip, UD.9084, and as a result, the original pipe UD.8192 can still be fitted making the introduction of the new pipe unnecessary; UD.9087 has, in fact, never been used.

3.C.8.  
2nd AddendumCONTROLS - REFRIGERATIONBENTLEY S3, SILVER CLOUD III, PHANTOM 5

The replacement drier UD.9089 is itself no longer available; a new one, the Danfoss DS.163, UD.9329, has been introduced and when stocks are used up it will be used for all replacements.

The diameter of the new drier is identical to that of the DS.200 but it is slightly longer and because of this the pipe from the sight glass to the drier UD.8194 has been re-introduced to replace UD.9088.

As a result of this, when it is required to replace the original 23 B drier the following additional parts must be supplied in addition to the DS.163 drier:-

UD.5227	Clip	1 off
UD.8189	Clip	1 off
UD.9102	Pipe	1 off

When the DS.200 drier was fitted as original equipment the DS.163 drier will be supplied together with the following additional material.

UD.8194	Pipe	1 off
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ADDITIONAL COLD AIR INTAKE CONTROLS

BENTLEY S2, 3 SILVER CLOUD II, III

The present position of the fresh air duct operating knob on R. H. cars makes it difficult to hold and due to the length of Bowden cable, stiff to operate. The knob has been repositioned, still under the fascia, but towards the centre of the car.

The resulting shorter cable ensures smoother operation. In addition, in order to position the knob more conveniently, the mounting plates have been lengthened. The new plates can be used for all replacements in pairs only.

Part Numbers are as follows: -

<u>Displaced</u>		<u>New</u>
UD. 5950	Assy - Cable - Outer	UD. 8984
UD. 5952	Assy - Cable - Inner	UD. 8991
UD. 5908	Mounting Plate - Control	UD. 8989
UD. 5909	Mounting Plate - Control	UD. 8990

The following are chassis numbers of cars which incorporate the above modification.

'E' Series

Bentley S3 Standard Steel Cars

Chassis B 506 EC onwards

'B' Series

Bentley S3 Long Wheelbase Cars

Chassis BBL. 4 onwards

'F' Series

Silver Cloud SIII Standard Steel Cars

Chassis SFU 705 onwards

'D' Series

Silver Cloud SIII Long Wheelbase Cars

Chassis CDL 59 onwards

HEATER HOSES

PHANTOM 5

Owing to supply difficulties it has become necessary to supply the underseat heater hoses in two pieces, these being joined together by a copper pipe.

It is necessary to use the longest hoses for the forward run to ensure that the joints occur between the centre crossmember and the rear cruciform, a few inches forward of a clipping point.

The new hoses can be used for all replacements and piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UR.5553	48" Hose - Front - Rear U/Seat Heater 33" Hose - Rear - Rear U/Seat Heater to Front Heater.	UR.8756 ) UR.8757 )
UR.5554	48" Hose - Front - Rear U/Seat Heater 31" Hose - Rear Water Tap to Rear Heater	UR.8756 ) UR.8758 )
	Pipe - Connecting	UR.8759
	Clip - Pipe Joint	RE.4608

AIR CONDITIONINGBENTLEY S.3. SILVER CLOUD III PHANTOM 5 (Coachbuilt Cars)

The flow of air, for demisting purposes on these cars, has been increased by the introduction of the Standard S.3 type blower unit; at the same time the opportunity has been taken to improve the efficiency of both the heating and demisting systems by replacing the vacuum operated valves and taps by electrically operated ones. The demister blower unit is mounted on the outside of the valance plate in approximately the same position as the S.1 unit which it replaces; the actuators and water taps are mounted on brackets attached to the valance plates and dash panel. The new water tap mountings, which have necessitated some re-routing of the water hoses, have been accommodated by some minor modifications to the valance plates and dash panel.

Parts are not interchangeable and numbers are as follows:-

<u>Displaced</u>		<u>New</u>
	Bracket - Mounting - Blower Unit	UD.9111
	Assy. Valve Body and Heater Ducting	UD.9131
	Assy. Rear Duct	UD.9132
UD.1971	Assy. Cross Duct - Heater and Demister	UD.11768
	Assy. - Cable - Actuator	UD.9133
	Retaining Disc - Cable	UD.9136
UD.1164	Fan - Blower Motor	UD.6127
UD.1128	Nut - Collet - Blower Motor Fan	UD.2301
UD.1185	Blower Motor	UD.4184
UD.1113	Assy. - Blower Housing	UD.5895
	Assy. - Bracket - Actuator and Water Tap Mounting	UR.8801
	Clip - Heater Pipe to Valance Plate	UR.8802
	Assy. Mounting Bracket - Water Tap and Actuator - Demister	UR.8804
	Grommet - Actuator and Water Tap - Mounting Bracket	UR.8813
UR.5491	Hose - Water Tap to Heater Matrix	UR.8791
UR.8396	Hose - Cylinder Head to Water Tap	UR.8792
UR.5494	Hose - Water Tap to Demister Matrix	UR.8793
	Hose - Heater Tap to Rear Heater (Phantom 5 Only)	UR.8796
	Hose - Cylinder Head to Water Tap - Demister	UR.8797

<u>Displaced</u>		<u>New</u>
UD.5386	Assy - Picture Plate - Heater & Demister Switch (Not Required on Long Wheel Base ) (Division Cars or Bentley Continental ) (Coachbuilt Cars. )	UD.9143
UD.5400	Assy. - Picture Plate - Heater & Demister Switch (Required on Long Wheelbase Division ) (Cars )	UD.9145
UD.1867	Assy. - Picture Plate - Wiper & Demister Switches (Required on Bentley Continental and ) (James Young Bentley Continental only )	UD.9147
UD.1868	Assy. - Picture Plate - Heater Instrument Light Switch (Required on Bentley Continental and ) (James Young Bentley Continental only )	UD.9149
UD.1989	Assy. - Picture Plate - Light & Heater Switches (Required on Bentley Continental and ) (Park Ward and Mulliner Bentley ) (Continental )	UD.9151
UD.1991	Assy. - Picture Plate - Wiper & Demister Switches (Required on Bentley Continental and ) (Park Ward and Mulliner Bentley ) (Continental )	UD.9153
UD.1809	Assy. - Ventilation Switch	UD.9129
UR.5632	Assy. - Dashboard (Phantom 5 only)	UR.8815
UR.8336	Assy. - Dashboard	UR.8814
UR.5949	Assy. - Valance Plate - L.H. (Not required on Continental or ) (Phantom 5 cars )	UR.8807
UE.7749	Assy. - Valance Plate - L.H. (Bentley Continental only )	UR.8808
UR.8669	Assy. - Valance Plate - L.H. (Rolls-Royce Continental only )	UR.8809

<u>Displaced</u>		<u>New.</u>
UE 7982	Assy. - Valance Plate - L.H. (Phantom 5 only)	UR 8810
UR 5950	Assy. - Valance Plate - R.H (Not required on Continental or) (Phantom 5 cars )	UR 14096
UR 8556	Assy. - Valance Plate - R H (Bentley Continental only)	UR 14097
UR 8668	Assy. - Valance Plate - R H. (Rolls-Royce Continental only)	UR 14098
UE 7980	Assy. - Valance Plate - R.H. (Phantom 5 only)	UR 14099
UD 4981	Assy. - Water Tap	UD 8506
	Setscrew - Actuator	UA 1951/Z
	Setscrew - Crank - Actuator	KC 148/Z
UD 1576	Knob - Heater & Demister Switches	UD 8651
UD 9045	Assy. - Pipe - 3 Way junction to valve	UD 9192
UD 5080	Pipe - Condenser to Control Valve (Continental Fridge Cars only)	UD 9200
UD 5481	Support Bracket - Pipe - Capacity Control	UD 9194
UD 8621	Pipe - Condenser to Control Valve (Fridge Cars other than Continentals)	UD 9217

The following parts, already existing on these cars, will also be required:-

Spring	UD 1352
Assy. Lever - Valve Spindle	UD 1196
Bolt - Lever - Spindle	UD 1392
Special Nut - Lever - Spindle	UD 1393

Continued.....

-4-

Actuators and associated parts are the same as those fitted on standard cars.

The following are chassis numbers that incorporate the above modifications:-

'E' Series

Bentley S.3. Continental

Chassis BC.34XE and onwards.

'B' Series

Silver Cloud SIII Continental

Chassis CSC. 31.B and onward

'E' Series.

Silver Cloud SIII (Long Wheelbase)

Chassis CEL. 101 and onwards.

'D' Series

Phantom 5

Chassis 5.VD.93 and onwards.

Sheets 3 and 4 re-issued to enable further piece numbers to be added.

PHANTOM V

DUCTING AIR CONDITIONING

The material of the Air Conditioning Duct (Phantom V Spares Schedule Page L.2 Item 89) has been changed and at the same time the overall length has been reduced. To compensate for the reduction, the length of the flexible tube (Schedule Page L.2 Item 76) has been increased.

When stocks are used up, the new air conditioning duct will be supplied for all replacements; of course it will also be necessary to fit a new flexible duct. Both lengths of flexible duct will continue to be supplied for spares.

Piece numbers are as follows:-

DISPLACED

NEW

UD.5278

Flexible Duct

UD.9292

UD.6070

Duct Rear Air Conditioning

UD.9297

Applicable to: BENTLEY S 2/3 : SILVER CLOUD  
II/III

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TSD 2934

AIR CONDITIONING

Supplies of UD8506 Water Tap are no longer available and when existing stocks have been used up, the current production Tap, together with the additional parts required, will be supplied in kit form for replacements.

Piece numbers are as follows:-

DISPLACED

NEW

UD8506	Water Tap.	
	Replacement Kit - RH Valance	RH2583
	Replacement Kit - LH Valance	PH2584

The necessary fitting instructions are:-

RH VALANCE

- 1) Remove and modify existing Mounting Plate to illustration No. 1.

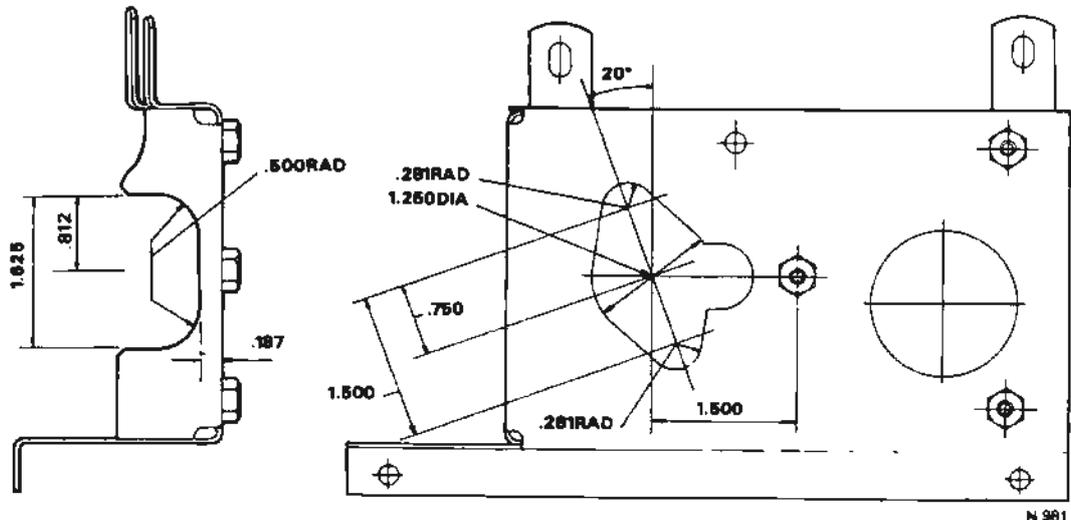


ILLUSTRATION NO. 1

Applicable to: BENTLEY S 2/3 : SILVER CLOUD  
II/III

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TSD 2934

- 2) Fabricate a Bracket, from a suitable piece of mild steel sheet, to the dimensions given in illustration No. 2 and secure to the Mounting Plate with pop rivets as shown in illustration No. 3.

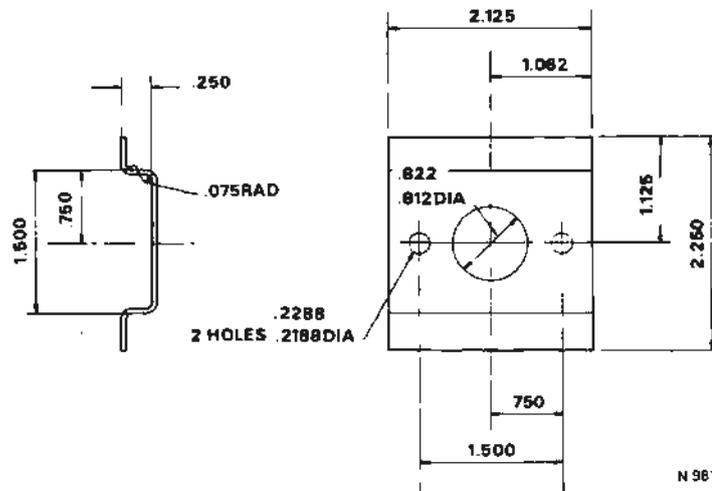


ILLUSTRATION NO. 2

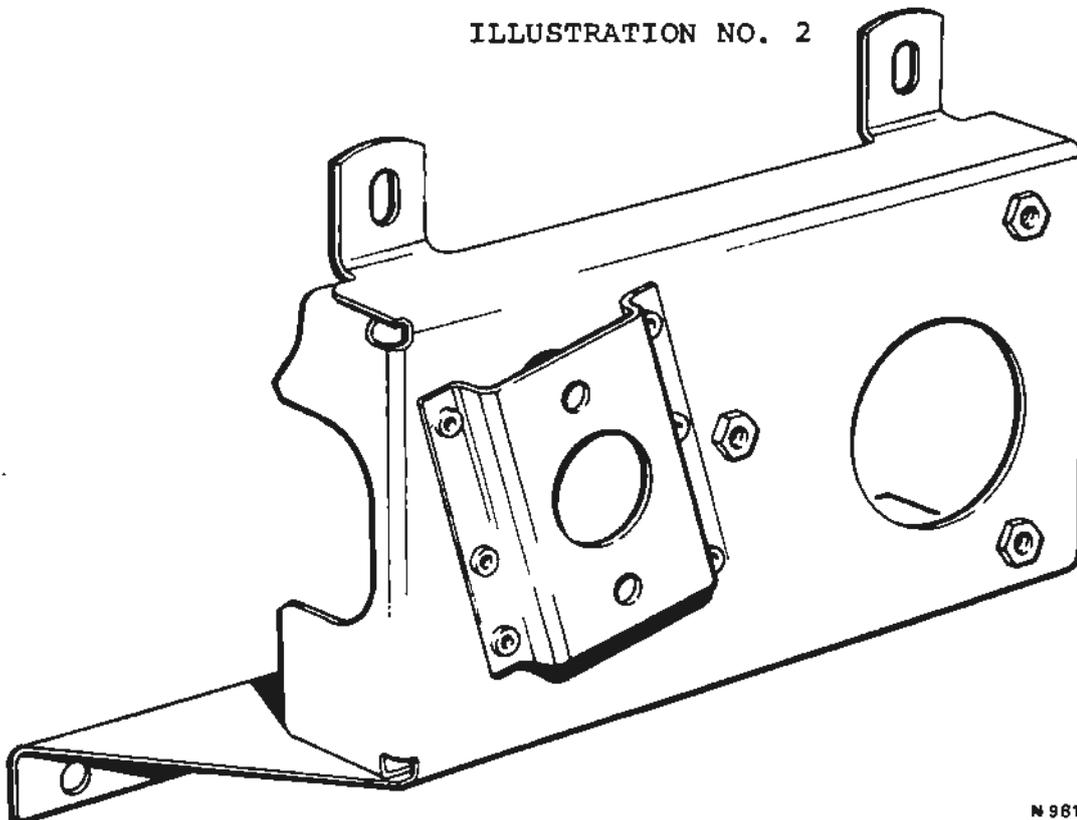


ILLUSTRATION NO. 3

Applicable to: BENTLEY S 2/3 : SILVER CLOUD  
II/III

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TSD 2934

- 3) Fit Pipe Adaptor and 'O' Ring to Water Tap and bolt this assembly to the inside of the Mounting Bracket, using the 2 BA bolts provided.
- 4) Connect existing Hose from the Rear of the Cylinder Head to the Pipe Adaptor.
- 5) Connect the new Feed Pipe to the large diameter exit on the Water Tap, using the corrugated Hose provided and connect up to the existing Heater Feed Hose, shortening the Hose as necessary.

LH VALANCE

- 1) Remove and modify existing Mounting Plate to illustration No. 1.
- 2) Fabricate a Bracket, from a suitable piece of mild steel sheet, to the dimensions given in illustration No. 2 and secure to the Mounting Plate with pop rivets as shown in illustration No. 3.
- 3) Fit Pipe Adaptor and 'O' Ring to Water Tap and bolt this assembly to the inside of the Mounting Bracket, using the 2 BA bolts provided.
- 4) Shorten existing Heater Feed Pipe at Tap end by 1.750" and braze or silver solder on, the new Sleeve provided.
- 5) Connect up to the large diameter exit on the Water Tap, using the corrugated Hose provided.
- 6) Connect existing Hose from the Cylinder Head to the Pipe Adaptor.

Cwt/KH/NM

Applicable to: PHANTOM 5

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AIR CONDITIONING PHANTOM 5

Supplies of UD8506 Water Tap are no longer available and when existing stocks have been used up, the current production Tap, together with the additional parts required, will be supplied in kit form for replacements.

Piece numbers are as follows:

DISPLACED		NEW
UD8506	Water Tap	
	Replacement Kit - Dashboard	RH2589
	Replacement Kit - Valance	RH2590

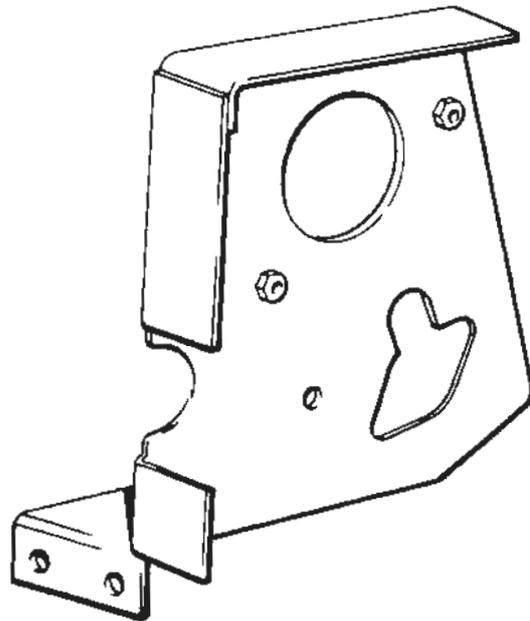
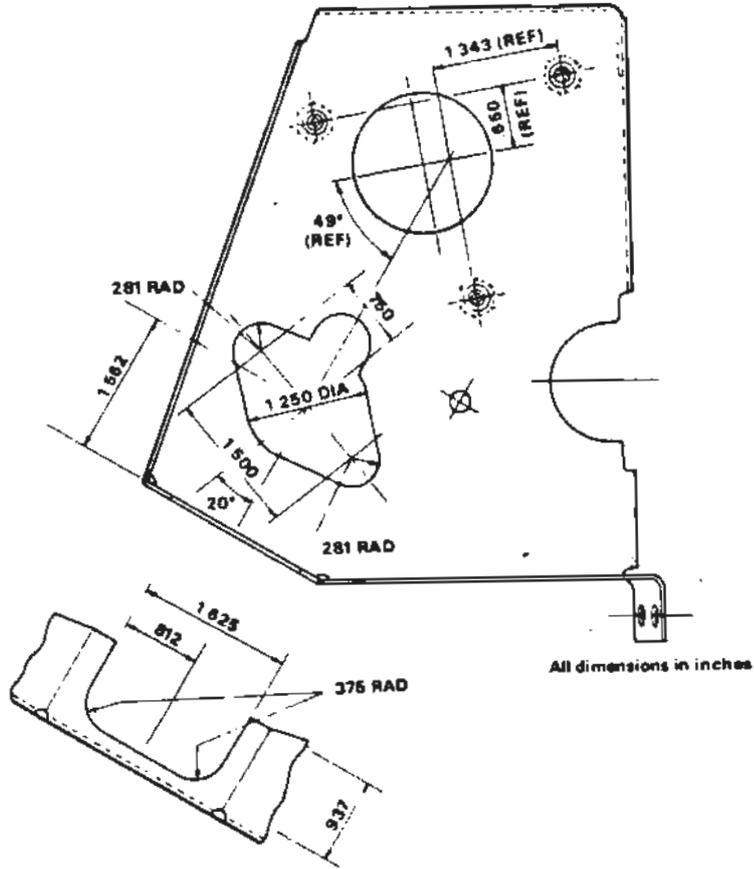
The necessary fitting instructions are:

## DASHBOARD:

- 1) Remove and modify existing Mounting Plate to illustration No. 1.

Applicable to: PHANTOM 5

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ILLUSTRATION NO. 1

Printed in England

Applicable to: PHANTOM 5

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- 2) Fabricate a Bracket, from a suitable piece of mild steel sheet, to the dimensions given in illustration No. 2 and secure to the Mounting Plate with pop rivets as shown in illustration No. 3.

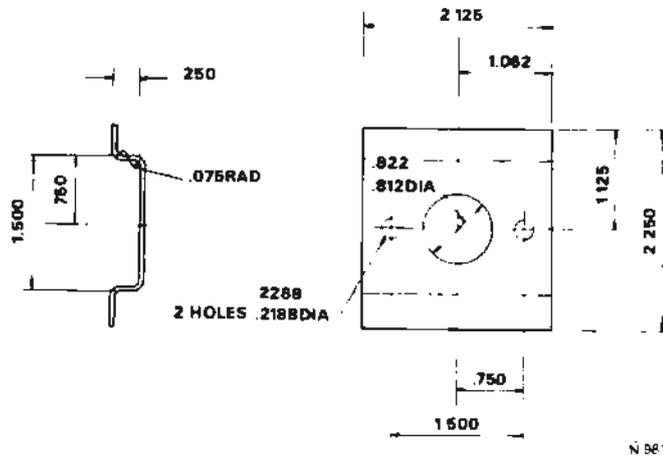


ILLUSTRATION NO. 2

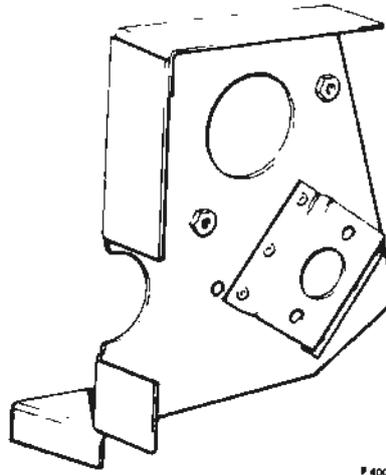


ILLUSTRATION NO. 3

Applicable to: PHANTOM 5

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- 3) Fit Pipe Adaptor and 'O' Ring to Water Tap and bolt this assembly to the inside of the Mounting Plate, using the 2BA bolts provided.
- 4) Connect existing Hose from the rear of the Cylinder Head to the Pipe Adaptor.
- 5) Connect the corrugated Hose provided to the large diameter exit on the Water Tap and connect up to the Demister Matrix using the reducing Adaptor and Elbow connection provided.

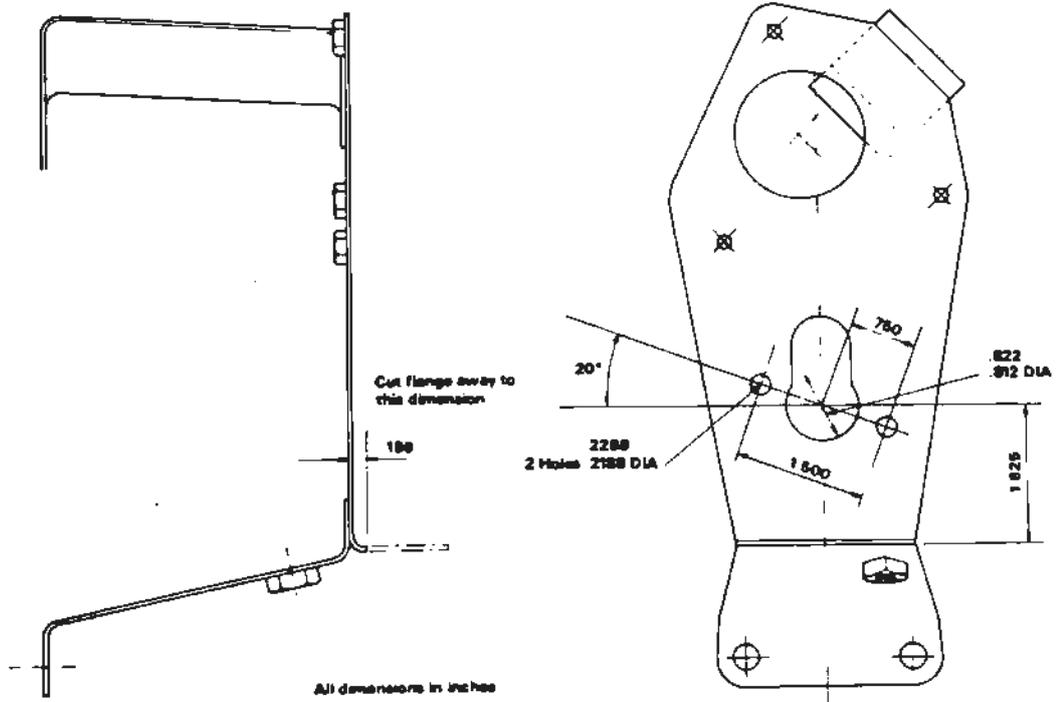
VALANCE:

- 1) Remove and modify existing Mounting Plate to illustration No. 4.

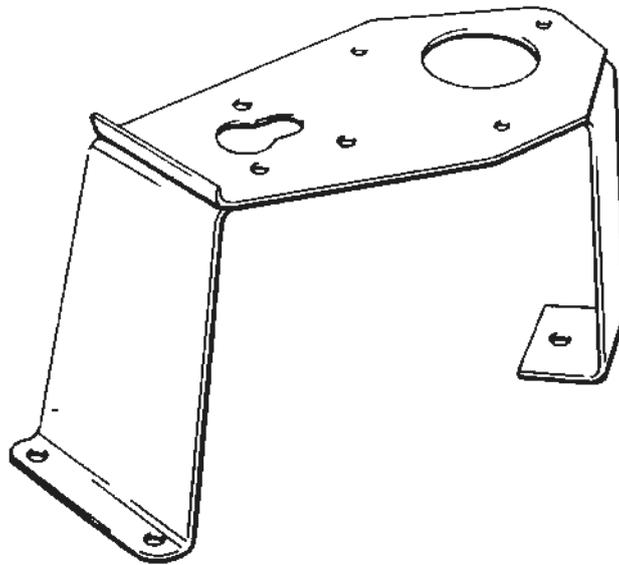
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Applicable to: PHANTOM 5

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Printed in England



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ILLUSTRATION NO. 4

Applicable to: PHANTOM 5

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- 2) Fit Pipe Adaptor and 'O' Ring to Water Tap and bolt this assembly to the outside of the Mounting Plate, using the 2BA bolts provided.
- 3) Connect existing Hose from the rear of the Cylinder Head to the Pipe Adaptor.
- 4) Connect the large diameter corrugated Hose to the large diameter outlet on the Water Tap and connect up to the Heater Matrix, using the reducing Adaptor and small diameter corrugated Hose provided.
- 5) Discard the existing Actuator to Tap Connecting Rod and fit the new Rod provided.

Printed in England

Cwt/KH/NM

## **SECTION D**

# **LUBRICATION AND MAINTENANCE**

3.D.1.

REMINDER PLATE

BENTLEY S3 SILVER CLOUD III PHANTOM V

In order to comply with the latest service schedule, the mileage on the reminder plate on the oil filler cap has been changed from 5000 to 6000.

Piece numbers are as follows:-

Displaced

New

RE.16005

Reminder Plate

UE.30047

FOLEY FC

23.3.64.

Q/KH

# SECTION E

## ENGINE

3.E.1.

Issue 2.

DECARBONISING SET

BENTLEY S3, SILVER CLOUD III, PHANTOM 5

The following parts can be supplied as a set for decarbonising the above cars:-

<u>Description</u>	<u>Part No.</u>	<u>Qty.</u>
Washer - Joint - Drain Plug (Sump)	KB.1093/R	1
Joint - Tappet Cover	UE.5256	1
Gasket - Cylinder Head	UE.5693	2
Joint - Induction Manifold	UE.4394	4
Joint - Rocker Cover	UE.4324	2
Joint - Exhaust Manifold to Cylinder Head	UE.4603	8
Joint - Exhaust Downtake	UE.1683	2
Rubber Bush - Rocker Cover	UE.6967	6
Joint - Tee Piece to Manifold	UE.6175	1
Joint - Thermostat Outlet	UE.4354	1
Joint - Coolant Bye-Pass Elbow to Manifold	UE.4349	1
Joint - Support Bracket - Power Steering Pump	UE.4393	1
'O' Ring - Elbow to Plug - Flame Trap Housing	UE.9453	1
'O' Ring - Housing - Flame Trap	CK.610	1
Washer - Aluminium - Carburetter Air Vent	RE.7289	2
Washer - Fibre - Carburetter Air Vent	RE.7297	2
Hose - Coolant Bye-Pass	KB.6357/R	1
Assy Collet - Inlet and Exhaust Valves	UE.6987	32
Grommet - Inlet and Exhaust Valves	UE.7428	16

Suitable for all chassis.

Piece number of set is RH.2264.

(i) Re-issued to amend set.

RS/KH/AC

15.5.63.

FLYWHEEL

BENTLEY S.3. SILVER CLOUD III

A B.4 timing mark was included on the S2/II flywheel so that distributors on these cars could be synchronised without the use of a special instrument.

There is no necessity to synchronise an S3/III distributor and the B.4 timing mark has accordingly been deleted, the piece number remaining unchanged.

It is possible that one of these flywheels may find it's way onto an S2/II car, as a spare, and in such a case use will have to be made of the tool RH.7216 when synchronisation of the distributor is required.



CRANKCASE

BENTLEY S3. SILVER CLOUD III, PHANTOM V

Engines are now being fitted in which the camshaft runs directly in the crankcase without detachable bushes. The camshaft bearing diameter is unchanged and when bores become worn it will be possible to rebore and fit the present standard bushes.

Recourse to oversize camshafts will thus be avoided.

Part numbers are as follows:

<u>Displaced</u>		<u>New</u>
UE.8324	Assy - Crankcase	UE.30207
UE.8282	Crankcase	UE.30198
UE.5985	Camshaft Bearing - Front	) Alternatives
UE.59861	Camshaft Bearing - Intermediate & Rear	
UE.6378	Camshaft Bearing - Front	
UE.6379	Camshaft Bearing - Intermediate & Rear	

- (1) The reason for the re-issue, is to delete:  
'Only the crankcase assemblies are interchangeable.' (1.5.64.)

INLET AND EXHAUST VALVE

BENTLEY S3. SILVER CLOUD III. PHANTOM 5

The valve wedges, on engines fitted to these cars, have a rubber seal bonded on to one edge to prevent loss of oil down the valve stem.

The wedges are expensive and, because renewal is nearly always found to be necessary whenever work is done on the valve, this is reflected in a high cost for any work done on the valves.

In view of this it has been decided to make a credit of 8d for each half wedge returned to Crewe.

ENGINE

BENTLEY S3 SILVER CLOUD III PHANTOM 5

To assist in the identification of an S3/III Series 8:1 compression ratio engine, the numeral 8 is now stamped in front of the engine number. The number is the one on the front of the engine under the thermostat housing, not the one at the rear of the crankcase.

THERMOSTAT UNIT

BENTLEY S3, SILVER CLOUD III, PHANTOM 5

Cars are now being fitted with wax filled thermostats, which are not affected by pressurised cooling systems, and therefore provide a more accurate temperature control:-

<u>Displaced</u>		<u>New</u>
UE.6847	Thermostat (all applications except Canada and N.America in Winter).	UE.30088
UE.6848	Thermostat (For use only in Canada and N.America in Winter).	UE.30193

The new thermostats are rated approximately 10° C. higher than the replaced units, UE.30088 being 82.2° C. and UE.30193 87.7° C.

The new thermostats can be used for the same applications on S.2. cars.

3.E.9.

TOOLS

BENTLEY S2/3 SILVER CLOUD II/III PHANTOM 5

RH.7101 Main Bearing Cap Extractor, in it's present form, can only be used on engines with the early block type of cap.

When the later webbed caps are fitted a special adaptor RH.7507 is required, retail price £5 - 2s - 0d. Future supplies of RH.7101 will include the new adaptor.

PRESSED STEEL SUMP

SILVER CLOUD III, BENTLEY S3, PHANTOM 5

An improved type of sump is now being fitted and it can be used for replacements on all S. 2/11 type cars.

Part numbers are as follows:-

Displaced

New

UE. 5780      Pressed Steel Sump

UE. 30169

SPARK PLUG SPANNER

BENTLEY S3. SILVER CLOUD III. PHANTOM 5

There has been a change of part number for the spark plug spanner.

The spanners are interchangeable and numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UE. 5081	Spark Plug Spanner	UR. 8152

3.E.10

THERMOSTAT UNIT

BENTLEY S3. SILVER CLOUD III, PHANTOM 5

Further to Information Sheets 3.E.8 and E.29 it has now been decided that UE.30193 thermostat can be used for all operating conditions and consequently UE.30088 will no longer be supplied.

3.E.11.

ENGINE MOUNTING

BENTLEY S3 SILVER CLOUD III PHANTOM 5

In order to provide adequate clearance between the cooling fan and its cowl a spacing plate is sometimes fitted between the engine, and the front engine mounting block.

When fitting the spacing plate it is necessary to fit two bolts of increased length to accommodate the additional thickness.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UA.152/Z	Spacer - Engine Mounting Block	UR.4637
	Bolt - .3125 - Engine Mounting Block	UA.153/Z

ENGINE STEADY BRACKETNON-REFRIGERATEDSILVER CLOUD III. BENTLEY S.3. PHANTOM 5

An improved steady bracket is now being fitted and can be used for replacements on S.2/II type cars. It should be noted that whereas the displaced bracket fitted directly onto the cylinder head, the new one has heavy washers fitted on both sides of the slotted mounting holes. New setscrews are also used to cater for the extra thickness.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UE.7376	Steady Bracket - Engine	UE.30339
UA.152/Z	Setscrew - Steady Bracket	UA.154/Z
UA.1252/Z	Washer - Steady Bracket	UA.6103/Z

INDUCTION MANIFOLDBENTLEY S.3. SILVER CLOUD III PHANTOM 5

A modified dynamo bracket, which entails the changing of two of the three mounting studs in the inlet manifold is now being fitted.

A special service manifold has been provided which includes both sets of studs supplied loose; one set to be discarded according to the type of bracket fitted.

The new dynamo bracket can be used for all replacements, when stocks of the old ones have been used up, but the studs will have to be changed if it is used as a substitute for the old one. Accordingly the new bracket will always be supplied with a set of studs to be used only if required.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UE.6186	Manifold Assy	UE.31328
	Special Service Manifold Assy	RH.2325
UE.7424	Dynamo Mounting Bracket	UE.31327
	Special Service Dynamo Mounting Bracket	RH.2326
UA.851/Z	Stud	UA.855/Z

The new parts can also be fitted to S2/II cars.

INDUCTION MANIFOLD

BENTLEY S3 SILVER CLOUD III PHANTOM 5

The following are chassis numbers at which the above modification commenced.

'F' Series

Bentley S3 Standard Steel Cars

B8 FG and onwards

'B' Series

Bentley S3 Long Wheelbase Cars

BBL 2 and onwards

'F' Series

Silver Cloud III Standard Steel Cars

SFU 769 and onwards

'D' Series

Silver Cloud III Long Wheelbase Cars

CDL. 49,61 and onwards

'C' Series

Bentley S3 Continental

BC 148 XC and onwards

'C' Series

Phantom 5

5 VC 47 and onwards

HYDRAULIC TAPPETS

BENTLEY S. 3. SILVER CLOUD III PHANTOM 5

The existing method of indicating a tappet grading, by vibro etching 'Y' or 'Z' on the bottom face has been discontinued.

In future shallow vee grooves will be cut across one side of the open end face, one groove for a grade 'Y' tappet and two grooves for a grade 'Z'.

Tappet Blocks

Bentley S2/3 Silver Cloud II/III Phantom V/5

Minor alterations have been made to the tappet block and tappet block assemblies, and new piece numbers have been issued.

There is no effect on interchangeability and stocks can be used up in conjunction with the new parts.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UE. 5372	Assy - Tappet Block - Front 'B' Bank - Rear 'A' Bank	UE. 31423
UE. 5373	Assy - Tappet Block - Front 'A' Bank - Rear 'B' Bank	UE. 31424
UE. 5167	Tappet Block - Intermediate	UE. 31357

The following are chassis numbers of cars which incorporate the modified tappet blocks.

'G' Series

Bentley Standard Steel Cars

B. 136. GJ onwards

'B' Series

Bentley Long Wheelbase Cars

BBL. 10 onwards

'C' Series

Bentley Continental

BC. 6. XD and onwards

'J' Series

Silver Cloud III Standard Steel Cars

SJR 25, 589 onwards

'E' Series

Silver Cloud III Long Wheelbase Cars

CEL 71 onwards

'D' Series

Phantom 5

5VD onwards

CAMSHAFT

BENTLEY S2/3 SILVER CLOUD II/III PHANTOM V/5

The level of noise from the valve gear has been reduced by the introduction of a modified camshaft. It can be used for all replacements, other than on the early S2 series engines which were fitted with hollow camshafts. For details of these early engines reference should be made to Spares Information Sheet 2.E.1 Issue 2 Addendum.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UE.7318	Camshaft	UE.30468

The following are chassis numbers of cars which incorporate the above:-

'H' Series  
Bentley S3 Standard Steel Cars

Chassis B.34.HN onwards

'H' Series  
Bentley S3 Long Wheelbase Cars

Chassis BCL.2 onwards.

'E' Series  
Bentley S3 Continental Cars

Chassis BC.6.XE less 8 onwards.

'J' Series  
Silver Cloud SIII Standard Steel Cars

Chassis SJR.193 onwards

'E' Series  
Silver Cloud SIII Long Wheelbase Cars

Chassis CEL.65 onwards.

Continued.....

- 2 -

'D' Series  
Phantom 5

Chassis 5.VD.71

Re-issued to clarify the position regarding the camshafts fitted to early S2 series engines.

Heater Connection Pipe  
Bentley S2. S3, Silver Cloud II. III

A reduced diameter pipe has been introduced to ease the assembly of the heater hose to the elbow and pipe assembly.

The new part can be used for all replacements.

Displaced

New

UE. 6119

Assy - Elbow and Pipe - Heater Connection

UE. 31554

PISTONS

BENTLEY S3 SILVER CLOUD III PHANTOM 5

There has been a change of specification of pistons fitted to these cars.

The new pistons are completely interchangeable, either singly or in sets.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UE.30260	Assy - Piston - 8:1 Compression Ratio	UE.32937
UE.9957	Assy - Piston - 9:1 Compression Ratio	UE.32936

3.E.19.

CYLINDER HEAD GASKETS

BENTLEY S3 SILVER CLOUD III PHANTOM 5

Cylinder head gaskets are now being manufactured from an improved material.

The new gaskets can be used for all replacements and piece numbers are as follows:-

Displaced

New

UE.5693

Gasket - Cylinder Head

UE.31004

CRANKCASE AND CYLINDERS

BENTLEY S2/3; SILVER CLOUD II/III; PHANTOM V/5

In order to reduce complaints of heavy oil consumption and piston knock, interference fit cylinder liners are now being fitted.

The new parts can be used for all replacements and piece numbers are as follows.

<u>Displaced</u>		<u>New</u>
UE 30207	Assembly Crankcase	UE 32970
UE 4086	Cylinder Liner	UE 9977

The following are chassis numbers to which the above have been fitted :-

'J' Series

Bentley S3 Standard Steel Cars

B 2 JP and onwards

'C' Series

Bentley S3 Long Wheel Base

BCL 14 and onwards

'E' Series

Bentley Continental S3

BC 64 XE and onwards

'E' Series

Phantom 5

5. VE. 11 and onwards.

'K' Series

Silver Cloud III Standard Steel Cars

SKP. 329 and onwards.

Continued.....

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'F' Series  
Silver Cloud SIII Long Wheel Base

CFL. 35 and onward.

'B' Series  
Silver Cloud SIII Continental

CSC. 115. B and onwards

## SECTION F

# PROPELLER SHAFT

**SECTION G**

**BRAKING SYSTEM**

SERVO

BENTLEY S. 3. SILVER CLOUD III PHANTOM 5

In order to eliminate complaints of squeal a servo liner in a new material is now being fitted.

The complaints of squeal are confined to S2 & S3 cars and the new liner must be used only on these cars. The old liner must be used on all others.

D. M. 8 Liner

A. D. 2 Liner

UG. 4172 Liner and plate assy

UG. 4374

UG. 3749 Lining

UG. 4372

FRONT BRAKESBENTLEY S.3. CONTINENTAL

Bentley S.3. Continentals are now being fitted with Standard S.2. two shoe brakes. Four shoe brake material will continue to be supplied for spares on cars which are already fitted with this type of brake.

Parts are not interchangeable and numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UG.4142	Assy - Front Brake - RH (Ferodo)	UG.4164
UG.4143	Assy - Front Brake - RH (Mintex)	UG.4165
UG.4140	Assy - Front Brake - LH (Ferodo)	UG.4166
UG.4141	Assy - Front Brake - LH (Mintex)	UG.4167
UG.3138	Assy - Carrier Plate - RH	UG.3706
UG.3139	Assy - Carrier Plate - LH	UG.3707
UG.3144	Assy - Water Excluder - RH	UG.3702
UG.3143	Assy - Water Excluder - LH	UG.3703
UG.3120	Link - Brake Shoe	UG.3709
	Pin - Split - Link	K.4607-
	Washer - .312 dia - Pin	UG.1446
UG.4133	Bolt - .500 dia - Cylinder - Carrier Plate	UG.658
UG.4134	Nut - .500 dia - Cylinder - Carrier Plate	UA.355/Z
	Washer - .500 dia - Cylinder - Carrier Plate	K.9012/Z
UG.4135	Bolt - .312 dia - Cylinder - Carrier Plate	UG.1379
UG.3140	Catcher - Grease - RH	UG.3762
UG.3141	Catcher - Grease - LH	UG.3763
UG.3142	Joint - Grease Catcher	UG.3761
	Screw - 2BA - Water Excluder	K.1910/Z
	Washer - 2 BA - Water Excluder	K.9006/Z
	Nut - 2BA - Water Excluder	K.4307
UG.4161	Pin - Link - Brake Shoe	UG.4160
UG.3108	S/Assy - Lining Shoe & Shakeback - RH (Ferodo)	UG.2804
UG.3108	S/Assy - Lining Shoe & Shakeback - RH (Mintex)	UG.2803
UG.3109	S/Assy - Lining Shoe & Shakeback - LH (Ferodo)	UG.2801
UG.3109	S/Assy - Lining Shoe & Shakeback - LH (Mintex)	UG.2802
	S/Assy - Web & Rim	UG.2682
UG.2314	Washer - Friction - Shakeback Stop	UG.3222
UG.3116	Lining - Brake Shoe - (Ferodo)	UG.2071
UG.3117	Lining - Brake Shoe - (Mintex)	UG.1523

3.G.2.

- 2 -

<u>Displaced</u>		<u>New</u>
UG.3840	Setscrew - Grease Catcher	
UG.3635	Bush - Shoe Carrier Plate	
UG.3110	Bush - Shoe Carrier Plate	
UG.3118	Pin - Pivot - Brake Shoe	
UG.3119	Spring - Returning - Brake Shoe Pivot	
UG.3129	Assy - Brake Shoe & Lining (Ferodo)	
UG.3130	Assy - Brake Shoe & Lining (Mintex)	
UG.3115	Shoe - Brake	
UG.3640	Circlip - Pin - Link	
UG.2586	Assy - Servo Operating Lever - Inner	UG.3548
UG.2587	Assy - Servo Operating Lever - Outer	UG.3549

The quantity of the following part has been amended:-

UG.3114      Rivet - Lining - Brake Shoe                      48 off replaces 72 off

The following are the chassis numbers of Bentley S.3. Continental cars that incorporate the standard 2-shoe brake system:-

'A' Series

Chassis

BC.166.L.XA onwards

## HANDBRAKE

### BENTLEY S3 SILVER CLOUD III PHANTOM 5 RH CARS

A handbrake cable system, similar to the type already used on left hand cars, is now being fitted to right hand cars.

Basically the new system consists of a new cable assembly, and an improved run by including two pulleys, one being located on the valance and the other on the right hand frame sidemember. The RH valance plate has been provided with an additional weldnut to which the cable conduit is clipped.

A cable guide bracket, which is included in the cable assembly, is attached to the LH car bellcrank lever support bracket on the right hand sidemember.

The new cable assembly is of increased length and a new type of conduit at the handbrake end necessitate a larger hole and grommet in the dashboard. The new dashboard can be used for all replacements provided the appropriate grommet is also supplied.

It is necessary to re-route the intermediate water pipe on Standard and Long Wheelbase Saloon cars, to avoid fouling the pulley on the valance plate. This necessitates the introduction of a new clip for retaining the pipe to the valance. The new pipe should be used for all replacements.

The steering, feed and return hoses, have also been re-routed to eliminate a foul between the hoses and the cable. The double clip which retained the hoses to the steering box end cover, has been replaced with two single clips, one being located on the end cover, and the other on the steering box top cover.

Finally a new strengthened equalising lever has been introduced and this should be used for replacements on all cars from S1 series and onwards.

The new frame which incorporates the modified bellcrank lever bracket and the new pulley mounting bracket should be used for all replacements.

With the exception of those which have been specifically mentioned none of the parts are interchangeable.

- 2 -

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
	Jaw - Handbrake Rod	UG 4273
UG 2351	Clamp - Conduit - Handbrake (Changes on this application only)	UG 4274
UG 3778	Assy - Cable-RH Handbrake Mechanism	UG 4282
UG 1431	Clip-Conduit-Handbrake-Cable	UG 4281
	Bracket-Upper Pulley-Handbrake	UG 4283
	Bracket-Lower-Pulley-Handbrake	UR 8676
	Assy-Pulley-Handbrake	UG 10640
	Cable Shield-Handbrake	UG 10642
UR 5568	Frame Makers Assembly (123" Wheelbase Cars)	UR 5980
UR 5581	Frame Makers Assembly (123" Wheelbase Soft Top Cars)	UR 5981
UR 5623	Frame Makers Assembly (127" Wheelbase Saloon Cars)	UR 5982
UR 8093	Frame Makers Assembly (127" Wheelbase Heavy Frame Soft Top Cars)	UR 8332
UR 6088	Frame Makers Assembly (Phantom 5)	UR 8252
UE 7980	Assy-Valance Plate-RH (Phantom 5)	UR 8552
UR 5788	Assy-Valance Plate and Extension Panel-RH (123" and 127" Wheelbase Cars not Coachbuilt)	UR 5985
UE 7748	Assy-Valance Plate-RH (Bentley S3 Continental)	UR 8556
UR 5950	Assy-Valance Plate and Extension Panel-RH (123" and 127" Wheelbase Coachbuilt cars)	UR 8572
UR 4909	Assy-Dashboard (All Coachbuilt Cars Except Phantom 5)	UR 8336
UR 1495	Grommet - Blanking Cable Hole - Dashboard LH Cars	UR 8048
UG 897	Equaliser Lever	UG 4397
	Link - Pull Off Spring	UG 4396
RF 5032	Grommet - Handbrake Cable	RD 3209
UE 7976	Pipe - Intermediate - Water Tap (123" and 127" Wheelbase Cars - Not Coachbuilt)	UR 8053
	Clip - Water Pipes (123" and 127" Wheelbase Cars not coachbuilt)	UR 8634

- 3

<u>Displaced</u>		<u>New</u>
UR. 3430	Clip - F. A. S. Hoses	
	Clip - .250 dia Stud - P. A. S. Hose)	UR. 8664
	) RH Cars	
	Clip - .312 dia Stud - P. A. S. Hose;	UR. 8665

The quantity of UR. 5543 water pipe clip has been reduced from 2 off to 1 off.

Further details for Phantom 5 cars will be issued at a later date.

HANDBRAKE

BENTLEY S3 SILVER CLOUD III PHANTOM 5 RH CARS

The following are the chassis numbers which incorporate this modification

'C' Series

Bentley S3 Standard Steel Cars

B 738 CN and onwards

'A' Series

Bentley S3 Long Wheel Base

BAL 18 and onwards

'C' Series

Bentley Continental S3

BC 100 XC and onwards

'D' Series

Silver Cloud SIII Standard Steel Cars

SDW 485 and onwards

'C' Series

Silver Cloud SIII Long Wheel Base

CCL 43 and onwards

'C' Series

Phantom 5

5 VC 25 and onwards

BRAKESBENTLEY S3. SILVER CLOUD III. PHANTOM 5

A tendency for the brakes on these cars to squeal on application has been considerably reduced by fitting shortened liners.

Shoes and Shoe and lining assemblies are interchangeable but individual linings are not.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UG. 3482	Assy - Lining - Shoe and Shakeback Stop - LH ) Trailing - Rear Brake (All cars except Phantom 5 )	UG. 4419
UG. 3483	Assy - Lining - Shoe and Shakeback Stop - LH ) Trailing Rear Brake (All cars except Phantom 5 )	
UG. 3481	Assy - Lining - Shoe and Shakeback Stop - RH ) Trailing Rear Brake (All cars except Phantom 5 )	UG. 4427
UG. 3480	Assy - Lining - Shoe and Shakeback Stop - RH ) Trailing Rear Brake (All cars except Phantom 5 )	
UG. 3478	Sub Assy - Lining & Shoe - Rear Brakes	
UG. 3479	Sub Assy - Lining & Shoe - Rear Brakes	
*	Sub Assy - Lining & Shoe - Rear Brakes - Trailing (as UG. 4419/4427 but without shakeback stop).	UG. 4425
	Sub Assy - Lining & Shoe - Rear Brakes - Leading.	UG. 4423
UG. 3089	Sub Assy - Web and Rim - Rear Brakes	UG. 4412
UG. 4164	Assy - Front Brakes - RH )	
UG. 4165	Assy - Front Brakes - RH )	UG. 4417
UG. 4166	Assy - Front Brakes - LH )	
UG. 4167	Assy - Front Brakes - LH )	UG. 4421

Continued.....

<u>Displaced</u>		<u>New</u>
UG.2804	Sub Assy - Lining - Shoe & Shakeback Stop - RH ) Front Brake )	
UG.2803	Sub Assy - Lining - Shoe & Shakeback Stop - RH )	UG.4416
UG.2801	Sub Assy - Lining - Shoe & Shakeback Stop - LH ) Front Brake )	UG.4413
UG.2802	Sub Assy - Lining - Shoe & Shakeback Stop - LH ) Front Brake )	
RH.2035	Sub Assy - Lining & Shoe - Front Brakes ) (without Shakeback Stop) )	
RH.2036	Sub Assy - Lining & Shoe - Front Brakes ) (without Shakeback Stop)	RH.2300
UG.2682	Sub Assy - Web & Rim - Front Brakes	UG.4411
UG.2071	Lining - Brake Shoe - Front & Rear Brakes )	
UG.1523	Lining - Brake Shoe - Front & Rear Brakes )	UG.4407

Note: \* Shakeback stops are not fitted to the rear trailing shoes on Phantom 5 cars. UG.4419/4427 Shoe Assembly are not therefore fitted but the assembly without stop. UG.4425 is fitted.

BRAKES

BENTLEY S3 SILVER CLOUD III PHANTOM 5

The following are chassis numbers which are fitted with the shortened linings.

'E' Series

Bentley S3 Standard Steel Cars

Chassis B60, EC 62, 78, 92 onwards

'A' Series

Bentley S3 Long Wheel Base Cars

Chassis BAL 18 onwards

'C' Series

Bentley SIII Continental

Chassis BC 72 XC 84, 90 onwards

'E' Series

Silver Cloud III Standard Steel Cars

Chassis SEV 427, 429, 453, 455, 457, 471 onwards

'C' Series

Silver Cloud III Long Wheel Base Cars

Chassis CCL 79 onwards

'B' Series

Phantom 5

5 VB 41 onwards

BRAKE FLUID HOSESBENTLEY S3 SILVER CLOUD III

There is a tendency for the brake fluid supply hoses to foul the edges of the actuator mounting plate. To obviate this, one hose is now being clipped to the Valance plate, and the other is being clipped to the mounting plate which has been drilled to take the clip.

The modified mounting plate which retains the same piece number UD.6024 can be used for all replacements on S2 and S3 cars.

The following existing parts used on other applications will be required:-

Clip, Flexible Hose to Valance Plate	)	LC.1732
Heavy Washer, 2BA, Clip, Valance Plate	) Standard	UA.6101/Z
Clip, Flexible Hose to Actuator Mounting	) Steel and	RF.3332
Bracket	) Long	
Bolt, 2BA, Clip, Mounting Bracket	) Wheelbase	UA.1501/Z
Nut, 2BA, Clip, Mounting Bracket	) Cars	K.4006/Z

The original clip UR.3430, is still fitted to Bentley S3 Continental cars.

Applicable to: ROLLS-ROYCE & BENTLEY MOTOR CARS

Information Sheet No. G3

Section G

Date

Page No. 1 of 1

BRAKE CYLINDER BLEED SCREW

The brake cylinder bleed screw UG. 1175 fitted to post war cars prior to the SY Series is no longer available, CD. 4085 will be supplied for all replacements when existing stocks have been used up.

The cancels G. 2 which was issued in error.

Printed in England

Rnr/NM/HB

Applicable to: BENTLEY S1, 2, 3 :  
SILVER CLOUD I, II, III

Information Sheet No. G4  
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## SERVO

Supplies of the bearing, GB 3501 are no longer available.

Therefore when existing stocks have been used up, an alternative bearing, piece number RH 8937, will be supplied for replacements.

As the alternative is a double tracked thrust bearing and only a single track is required, the surplus track should be discarded.

# SECTION H

# SUSPENSION

REAR SHOCK DAMPER TOOL

BENTLEY S3. SILVER CLOUD III. PHANTOM5.

A tool is available for the extraction and insertion of the rear shock damper link Silentbloc bushes in the rear axle tubes.

Price of the tool is £2-4-0d the piece number RH.7007.

The tool can be used on all cars from S1 series and onwards.

3.H.2.

Rear Stabiliser

Bentley S2/3 Silver Cloud II/III Bentley S2/3 Continental

The rear stabiliser which is illustrated in the S2 Spares Schedule Group E2/1 Item 58, and the appropriate page in the S3 Spares Schedule, is supplied complete with silentbloc bushes under assembly number UR.4192.

# SECTION J

## REAR AXLE

## **SECTION K**

# **FUEL SYSTEM AND CARBURETTORS**

OCTANE RATING PLATE

BENTLEY S3 SILVER CLOUD III

Octane rating plates are now being fitted to Bentley S3 and Silver Cloud III cars requiring 100 octane fuel.

The plate is located adjacent to the petrol filler cap and is retained by two sheet metal screws.

Part numbers are as follows:-

Plate - Octane Rating - Fuel	) Not fitted on cars ) destined for France	UB.5124
Plate - Octane Rating - Fuel	) Cars destined for ) France only	UB.5125
Screw - Octane Rating Plate		UA.8351/Z

FUEL PUMP

BENTLEY S.3. SILVER CLOUD III. PHANTOM 5

Fuel pumps are now being sealed with adhesive plastic tape, in place of the UD.4901 rubber covers. Parts appear in S.3. Spares Schedule, Page.B.2. Item 35.

The rubber covers will still be supplied for spares.

AIR SILENCER

BENTLEY S3. SILVER CLOUD III. PHANTOM 5

The screws which secure the depression valve diaphragm cover to the butterfly housing, Spares Schedule S2/11 S3/111 Page B.3 Item 18. have been shortened.

The new screw can be used for all replacements.

Displaced

New

K.1725/Z

5BA Cheese Head Screw, Cover

K.1719/Z

3.K.4.

PETROL PUMP

BENTLEY S3, SILVER CLOUD III, PHANTOM 5.

Condensers are now fitted across the petrol pump contacts to eliminate cases of sparking and excessive contact point wear. These condensers are additional to the radio suppressors already fitted.

The condensers are retained in position by spring clips which are located on one of the contact base mounting screws.

The instruction of the condensers has necessitated the introduction of new petrol pump end covers, having a recess to accommodate the condenser.

The petrol pumps on S2 series cars and onwards are to be modified when the cars are available, during maintenance schedule, on a category 3 basis.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD.8137	Petrol Pump - Twin	UD.8737
	Clip - Condenser	CD.3421
	Condenser - Petrol Pump	CD.3422
CD.262	End Cover - Petrol Pump	CD.3423
	Identity Tag	CD.3424

Piece number of the new pump assembly complete with unions is RH.2297.

CARBURETTERSBENTLEY S.3, SILVER CLOUD III, PHANTOM 5

In order to eliminate a tendency to flood, carburetters with a modified float chamber lid and needle valve are being fitted. The carburetters can be identified by the mark '8X' stamped adjacent to the piece number on the outlet flange.

Float chamber lids may only be changed as complete assemblies with forked lever and needle valve.

The new needle valve can be used for all replacements.

New Lid and valve assemblies should only be used, as replacements for the old parts, in pairs.

Piece Numbers are as follows:-

<u>Displaced</u>		<u>New</u>
CD.3248	Lid, 'A' Bank	CD.3512
CD.3249	Lid, 'B' Bank	CD.3511
RE.7290	Hinged Lever	CD.3513
CD.521	Needle and Seat	CD.3514
	Assy Lid and Hinged Lever 'A' Bank	CD.3549
	Assy Lid and Hinged Lever 'B' Bank	CD.3548

## NOTE:

Please note the following alterations on Page B4/1 of the S3/III Parts List

Item number II, to read CD.3512  
Item number 29, to read CD.3511

Continued.....

The following are the chassis numbers of cars that incorporate the modified carburettors:-

Bentley S3 (Standard Steel Cars)  
'C' Series

Chassis  
B.508 CN onwards

Silver Cloud III (Standard Steel Cars)  
'D' Series

Chassis  
LSDW 65 onwards

Bentley S3 (Long Wheelbase)  
'A' Series

Chassis  
BAL.10 onwards

Silver Cloud III (Long Wheelbase)  
'C' Series

Chassis  
CCL 3 onwards less L.CCL.9.

Bentley S3 Continental  
'B' Series

Chassis  
BC.12.LXB onwards

Phantom 5  
'A' Series

Chassis  
5.VA.91 onwards

(1) Re-issued to amend new part numbers for 'A' & 'B' bank float chamber lids and to add NOTE.

ROYCE ROYCE LIMITED

10.4.64.

Q/KH.

10#

Addendum 3.K.5.

CARBURETTERS

BENTLEY S.3. SILVER CLOUD PHANTOM 5

The hinged lids assemblies, CD.3548/9, referred to in the original issue of this Information Sheet, are complete with needle valve and hinged lever.

FUEL PUMPBENTLEY S3, SILVER CLOUD III, PHANTOM 5.

In order to achieve a greater degree of silence, flexible pipes have been introduced on the inlet and outlet sides of the fuel pump.

The existing copper pipes have been shortened to make room for the flexible pipes and the screwed unions on the pump have been replaced with a modified type which incorporates a nozzle to which the flexible pipes can be secured with a Jubilee clip.

An additional clip is required to secure the pipe from the petrol tank to the No.3. body mounting bracket.

The basic petrol pump is unchanged.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UR.3257	Union, Petrol Pump	UR.8106
UR.4798	Pipe, Filter to petrol pump (Phantom 5)	UR.8103
UR.4799	Pipe, Petrol Pump to carburetter pipe (Phantom 5)	UR.8108
UR.3254	Pipe, Filter to Petrol Pump. Bentley S.3. Silver Cloud III and Continental S.3.	UR.8101
UR.4947	Pipe, Filter to Petrol Pump Bentley 127" S.3. Silver Cloud III	UR.8102
UR.4694	Pipe, Petrol Pump to Carburetter pipe. Bentley S.3. Silver Cloud III Std. Cars and L.W.B. Cars. Continental S.3.	UR.8107
	Flexible Petrol Pipe	UR.8105
	Clip, Support, fuel tank pipe	UR.8104
	Setscrew, Clip No.3. body mtg. bkt.	KC.178/Z
	Nut, 2 BA Clip No.3. body mtg. bkt.	K.4006/Z
	Washer, Plain, Clip No.3. body mtg. bkt.	K.4452/Z
	Clip, Jubilee	RE.4750
	Bush, Rubber Petrol Pipe Clip	UR.853
	Clip, Petrol Pipe to Support Clip	UE.3213

Cont'd....

Displaced

Tubing Sleeve  
Tubing Nut

New

KB.3004  
UR.3262

Piece number of the new pump assembly complete with unions  
is RH.2284.

PETROL DRAIN PIPESBENTLEY S. 3. SILVER CLOUD III, PHANTOM V

In order to improve the clipping of the carburettor petrol drain pipes, the clip which retained the pipes to the bell housing bottom cover has been replaced with a plate and clip arrangement.

The plate and clip are interchangeable with the original clip, and should be used for all replacements when existing stocks have been used up.

Part numbers are as follows :-

<u>Displaced</u>		<u>New</u>
UR. 2921	Clip - Petrol Drain Pipes	
	Clip - Petrol Drain Pipes	UE. 30441
	Plate - Clip Petrol Drain Pipes	UE. 30442

CARBURETTER VENT PIPESBENTLEY S3 SILVER CLOUD III PHANTOM 5

In spite of the introduction of the modified float chamber lid there have still been one or two cases of engine failure due to carburetter flooding.

In order to prevent these occasional failures the bore of the carburetter vent pipes (S.3. Schedule Page B6 Items 62 and 63) has been increased from  $\frac{1}{4}$ " to  $\frac{1}{2}$ " on the lower pipe and from  $\frac{1}{4}$ " to  $\frac{5}{16}$ " on the upper.

A new adaptor is required on the lower pipe and a new nut and nipple on the upper.

The introduction of the larger bore lower vent pipe necessitates the fitting of a new retaining plate and clip, and a new clip mounting bracket.

In cases of complaint on existing cars it is only considered necessary to fit the larger bore lower pipe; a special adaptor has been produced for service use which fits on to the larger bore pipe but accomodates the original nut and nipples on the upper pipe.

A kit of parts is available for fitting the modification in service.

Piece numbers are as follows:-

Displaced		New
UE.6949	Assy - Pipe - Carburetter Vent - Lower	UE.31286
UE.8242	Sub Assy - Carburetter Vent Pipes - Upper	UE.31299
UE.30441	Clip - Pipe - Carburetter Vent - Lower	UE.31287
UE.30442	Plate - clip - Carburetter Vent Pipe - Lower	UE.31288
UE.6829	Bracket - Clip - Carburetter Vent Pipe	UE.31312
	Assy - Pipe - Carburetter Vent - Lower	RH.7575
	Carburetter Lower Vent Pipe Kit	RH.2321

RH.7575 Pipe Assembly is part of RH.2321 Kit.

RH.2321 Kit will be used for all replacements of UE.6949 Pipe Assembly on existing cars.

CARBURETTER VENT PIPES

BENTLEY S.3 SILVER CLOUD III PHANTOM 5

The following are chassis numbers that incorporate the above modification

'E' Series

Bentley S3 Standard Steel Cars

B 298 EC 334, 336, 340 onwards  
less 368, 412, 491

'A' Series

Bentley S3 Long Wheelbase

BAL 28 onwards

'C' Series

Bentley S3 Continental

BC.82.XC 120, 124 onwards

'F' Series

Silver Cloud III Standard Steel Cars

SFU 327, 359, 405, 419-459, 463-469, 473-495  
499-511, 515, 519 onwards less 525

'D' Series

Silver Cloud Long Wheelbase

CDL 19 onwards

'C' Series

Phantom 5

5.VC. 19 onwards

8.4.64.

Q/KH.

PETROL PIPES

BENTLEY S3 SILVER CLOUD III LONG WHEELBASE & PHANTOM 5

In order to improve the run of the petrol filter pipes on Long Wheelbase and Phantom 5 cars, the filter has been repositioned from the R.H. side of the crossmember, to the LH side. This will have the effect of providing a common position for the filter for all S3/III series cars.

The incorporation of this modification necessitates the introduction of new petrol filter inlet and outlet pipes.

Parts are not interchangeable, and piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UR.8102	Pipe - Filter to Petrol Pump (Long Wheelbase Cars)	UR.8157
UR.8103	Pipe - Filter to Petrol Pump (Phantom 5)	UR.8156
UR.4950	Pipe - Petrol Tank to Filter (Phantom 5)	UR.8159
UR.4950	Pipe - Petrol Tank to Filter (Long Wheelbase Cars)	UR.3253

UR.8102 and UR.8103 were introduced on Spares Information Sheet 3 K.6.

The petrol tank filter pipe UR.3253 which was previously used on Standard Wheelbase and Continental cars only, is now used on all cars except for Phantom 5.

The following are the chassis numbers of cars which incorporate the repositioned petrol filter:-

Bentley S3 Long Wheelbase

'A' Series

Chassis BAL.28 onwards

Silver Cloud III Long Wheelbase

'D' Series

Chassis CDL.17 onwards

Continued.....



3.K.10.

- 2 -

Phantom 5

C Series

Chassis

5.VC.17 onwards

3.K.11.  
Issue 2.

CARBURETTER AIR SILENCER

BENTLEY S.2/3. SILVER CLOUD II/III PHANTOM 5

The Hose Clip part number RD.6757 S.3. Spares Schedule, Item 29, Page B.5. and S.2. Spares Schedule Item 27 Page B.5 has now been replaced by UD.4074.

RD.6757 is still used in other applications.

(i) Re-issued to amend Item No. and Page No. for the S.3. Spares Schedule.

FUEL TANKBENTLEY S3. SILVER CLOUD III. 123" and 127" WHEELBASE

The modifications to the main and extra petrol tanks, introduced on Addendum Spares Information Sheet 2. K. 16, resulted in the kinking of the RH extra tank to main filler tube, and in consequence a new shortened tube is now being fitted.

This is a production modification for S3/III Series cars but the new filler tube can be used for replacements of the original on S2/II Series cars and onwards.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UR. 5378	Filler Tube - RH - Extra Tank to Main	UR. 8750

23.3.64.

Q/KH.

3.K.14.

PETROL TANK

PHANTOM 5

In order to prevent the formation of rust whilst tanks are held in stock they are now being fitted with a cardboard cap to which moisture inhibiting paper is attached.

As the paper soon loses its inhibiting property if exposed to the atmosphere, the cap should not be removed until the tank is about to be fitted.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
	Cap	UR.8318
	Inhibitor	UR.8319
UR.5382	Tan Assembly	UR.8320

3.K.15.

CONTROLS - R AND L HAND CARS

BENTLEY S1/2/3 SILVER CLOUD S1/11/111 PHANTOM V/5

The specification for the cadmium plate of the ball joint body RE.16133 has been changed.

The new part can be used for all replacements and its piece number is UE.32225.

Displaced

New

RE.16133

Body - Ball Joint

UE.32225

AIR SILENCER

BENTLEY S.3 SILVER CLOUD III PHANTOM 5

Cases have occurred of the choke stove pipe, in the butterfly housing, becoming blocked by oil mist from the engine breather system.

The trouble has been eliminated by fitting an extension to the stove pipe inside the butterfly housing.

In order to fit the pipe extension, it has been necessary to modify the stove pipe union slightly.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UA.5826/Z	Union - Hot Air Pipe	UE.32833
	Pipe Assy - Choke Air Inlet	UE.32834

In cases where the new pipe assembly is not fitted UA.5826/Z must still be used.

FUEL PUMPBENTLEY S.3 SILVER CLOUD III PHANTOM 5

A new type of fuel pump, the S U. type AUF 400 is now being fitted on the latest production cars. It is not directly interchangeable with its predecessor, a special mounting arrangement being required.

The pump is secured in a rubber insulated clip and the whole assembly is then mounted on a bracket secured to the frame.

Piece numbers are as follows.

<u>Displaced</u>		<u>New</u>
	Assy Mounting Bracket, Petrol Pump	UD 9205
	Mounting Clip, Petrol Pump	UD 9208
	Mounting Rubber, Petrol Pump	UD 9209
	Screw, Mounting Clip Petrol Pump	UD 9210
	Nut, Mounting Clip Petrol Pump	UD 9211
	Hose, Breather Petrol Pump	UD 9213
UD 9181	Fuel Pump AUF 400	UD 10940
	Washer, Mounting Bracket	UA 1252/Z
	Nut, Mounting Bracket 3/2 UNF	UA 302/Z
	Clip, Hose Breather Petrol Pump	UA 6006/R

The following are the chassis numbers of cars that incorporate the S.U. type AUF.400 fuel pump.

'J' SeriesBentley S3 Standard Steel Cars.

Chassis B.36. JP onwards.

'C' SeriesBentley S3 Long Wheel Base

Chassis BCL.18 onwards.

Continued...

-2-

'K' Series  
Silver Cloud III Standard Steel Cars.

Chassis SKP 377 onwards.

'G' Series  
Silver Cloud III Long Wheel Base

Chassis CGL 1 onwards.

'E' Series  
Bentley S 3 Continental

Chassis BC.68 XE onwards.

'B' Series  
Silver Cloud III (Coachbuilt)

Chassis CSC 127 B onwards.

'E' Series  
Phantom 5

Chassis 5VE 11 onwards.

## ADDENDUM TO 3.K.18.

PHANTOM 5FUEL PUMP

When the AUF 400 pump is fitted to Phantom 5 cars it has been found that there is a tendency for the inlet and outlet pipes to foul the body sills.

In order to overcome this, modifications have been made to the method of mounting the pump on this car only.

The existing support bracket, on the frame side member, has been removed and replaced by two new brackets. The insulated pump body clips are mounted directly to the frame brackets; the bracket assembly UD.9205 is not required.

It has also been found necessary to reduce the length of the pump unions and shorten the flexible hoses.

Minor modifications have been made to the petrol pump stone guard to ensure clearance for the new frame brackets and shortened hoses.

Piece Numbers are as follows:-

<u>Displaced</u>		<u>New</u>
	Adaptor, Petrol Pump, Phantom 5	UD.9275
UR.8176	Frame Makers Assy, Phantom 5	UR.8857
UR.8253	Assy Side Member R.H.	UR.8858
UR.1230	(Bracket L.H. Mtg. Petrol Pump	UR.8855
	(Bracket R.H. Mtg. Petrol Pump	UR.8856
UR.8105	Flexible Petrol Pipe	UR.14432
UD.1329	Assy Cable Condensors, Petrol Pump	UD.13059
UD.1535	Assy Earth Cable, Petrol Pump	UD.13058

Re-issued to agree with latest information.

S.U. FUEL PUMP

Supplies of the UD.9181 fuel pump are no longer available and when existing stocks are exhausted it will be necessary to use the new AUF.400 pump for all replacements.

Special parts will be required when fitting the pump and they will be supplied in kit form. Obviously the kit of parts will only be required on the first pump change and because of this it will not invariably be supplied; rather we suggest that each retailer should keep a few in stock for use as necessary; retailers not wishing to keep the kits should order them with the pumps.

For cars other than Phantom V the following fitting instructions should be followed:-

- (1) Remove the inlet and outlet unions from the discarded pump and screw them and the rubber 'O' rings provided into the top and bottom union orifices. It is important that the 'O' rings are correctly positioned in the groove; washers need not be fitted.
- (2) Loosely fit a mounting rubber and clip to each pump body and mount the assembly on the bracket. The pump can now be turned in its clips until the unions face away from the bracket, the outlet being uppermost. The clips can now be tightened.
- (3) Fit the assembly onto the frame. Fit a piece of the rubber hose, provided, onto each vent union on the valve housing and secure the ends between the frame and the mounting bracket.
- (4) The earth cable need only be connected to one of the pump bodies.

Piece numbers are as follows:-

Fuel Pump Type AUF 402	RH.7865
Mounting Kit	RH.2380

For Phantom V the following fitting instructions should be followed:-

- (1) Remove the central plug, marked 'IN RH' on the valve body, and screw it, together with the rubber 'O' ring, into the lower valve orifice marked 'LH IN'. Care must be taken that the 'O' ring seats precisely in the groove.
- (2) Remove the inlet and outlet unions from the discarded pump and screw them, and the rubber 'O' rings provided into the union orifice marked 'OUT TOP' and 'IN RH' the latter being the one from which the plug was removed. Again it is important to ensure that the 'O' rings are correctly positioned in the grooves; washers need not be fitted.
- (3) Bolt the pump mounting bracket on to the frame mounting bracket.
- (4) Assemble a mounting clip and rubber on to each pump barrel. It should be noted that when assembled on the frame the inlet and outlet unions must point upwards and outwards at an angle of 45°; the inclination is important otherwise fouls are possible between the pipes and body sill.
- (5) Proceed as for paragraphs (3) and (4) Sheet 1.

Q/KH

This Information Sheet cancels previous issues 3.K.8 and 3.K.17 and previous issue of 3.K.19 which was circulated internally only.

K. 3.

FUEL PUMPALL POST WAR CARS

Recent introductions of petrol pumps and modifications to them have rather confused the situation as to which piece number can be fitted to any particular car. This information sheet is intended to clarify the situation.

- RH.2335 This pump is used on B.6, B.7 Silver Dawn & S W cars it is complete with inlet and outlet union RD.7510 and RD.7511. A condensor is fitted across the points.
- RH.2299 This pump is used on S1 and early S2 cars. It is similar to RH.2335 except that two off UR.3257 unions replace RD.7510 and RD.7511. A condensor is fitted across the points and the mounting studs have a unified thread. This pump could be used as a replacement for RH.2335 if the unions are changed over.
- RH.2165 This pump is the latest S U pump complete with condensers and RD 7510 and 7511 unions so that it can be used on B.6, b7, Silver Dawn and Silver Wraith cars.
- RH.2297 This pump is the same as RH.2165 except that two off UR.3257 unions replace RD.7510 and RD.7511.
- RH.2284 Same as RH.2297 but with flexible pipe unions.

## Summaries:-

- For B.6, B.7, S W S Dn Use RH.2335 or  
RH.2165 or  
RH.2299.  
Unions would have to be changed over.
- For S.1. Use RH.2297 or RH.2299.
- For S.2. Use RH.2297.
- For S.3. Use RH.2297 or RH.2284 when flexible petrol pipes are used.

S.U. Fuel Pump

Supplies of the UD.9181 fuel pump are no longer available and when existing stocks are exhausted it will be necessary to use the new AUF.400 pump for all replacements on post-war cars.

Special parts will be required when fitting the pump and they will be supplied in kit form. Obviously the kit of parts will only be required on the first pump change and because of this it will not invariably be supplied; rather we suggest that each retailer should keep a few in stock for use as necessary, retailers not wishing to keep the kits should order them with the pumps.

The following instructions should be followed when fitting.

- (1) Remove the central plug, marked 'IN RH' on the valve body, and screw it, together with the rubber 'O' ring, into the lower valve orifice marked 'LH IN'. Care must be taken that the 'O' ring seats precisely in the groove.
- (2) Remove the inlet and outlet unions from the discarded pump and screw them, and the rubber 'O' rings provided, into the union orifices marked 'Out Top' and 'IN RH'; the latter being the one from which the plug was removed. Again it is important to ensure that the 'O' rings are correctly positioned in the grooves, washers need not be fitted.
- (3) Loosely fit a mounting rubber and clip to each pump body and mount the assembly on the bracket; the pump can now be turned in its clips until the unions face away from the bracket, the outlet being uppermost. The clips can now be tightened.
- (4) Fit the assembly onto the frame. Fit a piece of the rubber hose, provided, onto each of the vent unions on the valve housing and secure the ends between the frame and the mounting bracket.

Continued.....

K.6.

- 2 -

- (5) Remove the .250 dia. eye from the existing earthing strip and solder on the new one provided. Only one side of the pump need be earthed.

Piece Numbers are as follows:

Fuel Pump Type AUF.402 - RH.7865  
Mounting Kit - RH.2380

This Information Sheet cancels previous issues 3.K.17 and 3.K.8.

Q/KH

# SECTION L

## ENGINE COOLING SYSTEM

3.L.1.

WATER TAP A.C.U.BENTLEY S.3. SILVER CLOUD III (STANDARD STEEL CARS)

In order to provide greater rigidity, steady posts are now being fitted between the water taps and their mounting plates.

The new taps and mounting plates can be used for all replacements.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD.4020	Water Tap - Actuator Operated ACU	UD.8506
	Steady Post - Water Tap	UD.8438
	Washer, Plain - Steady Post	K.4404/Z
	Nut - Steady Post	K.4006/Z
	Setscrew - Steady Post	KC.167/Z

The new water tap and steady posts were introduced on the following chassis:-

'C' Series  
Bentley S3 (Standard Steel Cars)

Chassis

B.10.CN Onwards

'C' Series  
Silver Cloud III(Standard Steel Cars)

Chassis

SCX.21 Onwards.

'A' Series  
Bentley S3 (Long Wheelbase)

Chassis

BAL.2. Onwards

- 2 -

'A' Series  
Silver Cloud III(Long Wheelbase)

Chassis

L.CAL.11 Onwards

This is a production modification for S3 series cars, but the new taps and mounting plates can be used for replacements on S2 series cars.

HOSESAll Bentley S2/3 Silver Cloud 11/111 Phantom 5

New top and bottom hoses are now being fitted on all cars and they will be used for all replacements.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UR. 5485	Bottom Hose	UR. 8124
RH. 7358	Bottom Hose	RH. 7489
UR. 5486	Top Hose	UR. 8127
UR. 5502	Top Hose	UR. 8125

UR. 8124 will be used on all cars on the addendum to Information Sheet 2. L. 1 and onwards.

RH. 7489 will be used on all cars prior to those quoted on Information Sheet 2. L. 1.

UR. 8127 will be used on the following:-

- (a) All S. 2. except Bentley Continental
- (b) S. 3. type Phantom 5

UR. 8125 will be used on the following:-

- (a) Bentley S. 2. Continental
- (b) All S. 3. including coachbuilt cars except Phantom 5.

The following are the chassis numbers of cars that incorporate the new top and bottom water hoses:-

Continued. . . . .

Bentley S3. Standard Steel Cars

Chassis

B. 388. CN onwards

Silver Cloud III. Standard Steel Cars

Chassis

LSCX. 729 onwards

Bentley S3. Long Wheelbase

Chassis

BAL. 8 onwards

Silver Cloud III. Long Wheelbase

Chassis

LCBL. 45 onwards

Bentley S3. Continental

Chassis

BC. 144. L XA onwards

Phantom 5

Chassis

5. VA. 79 onwards

RADIATOR PRESSURE RELIEF VALVEBENTLEY S3 SILVER CLOUD III PHANTOM 5

A more reliable pressure relief valve has been introduced for the above cars.

Although a production modification for S3/III series cars, the new valve can be used for all replacements on S2/II series cars.

Valves are interchangeable and numbers are as follows:

<u>Displaced</u>		<u>New</u>
UE. 3087	Valve Radiator Pressure Relief	UE. 9941

The following are the chassis numbers of cars that incorporate the new Pressure Relief Valve:-

Bentley S. 3. Standard Steel Cars'C' SeriesChassis

B.176. LCN onwards

Silver Cloud III Standard Steel Cars'C' SeriesChassis

LSCX.391 onwards

Silver Cloud III Long Wheelbase'A' SeriesChassis

LCAL 73 onwards

Bentley S3 Continental

'A' Series

Chassis

BC.72.LXA onwards

Phantom 5

'A' Series

Chassis

5.LVA.35 onwards

WATER CONNECTIONSBENTLEY S3 SILVER CLOUD III PHANTOM 5 COACHBUILT CARS

It has been decided to revert to the ply wrapped canvas hoses for all applications which fit on to the vacuum taps on coachbuilt car heating systems.

Part numbers are as follows :-

<u>Displaced</u>		<u>New</u>
UR 5506	Hose - Elbow ; Vacuum Tap to Heater Matrix (Changes on the application only)	UR 8395
UR 5505	Hose - Elbow - Pipe to Vacuum Tap	UR 8396
UR 5497	Hose - Water Tap to Demister Matrix	UR 8470
UR 5631	Hose - Heater Tap to Pipe Rear Heater (Phantom 5)	UR 8471

The elbow hose UR 5506 is still required on S2/S3 standard cars for the heater to return pipe application. (Spares Information Sheet 2.L.7).

3.L.5.

ASSY RADIATOR VANES

BENTLEY S3

Minor alterations have been made to the shell and vane assembly and new piece numbers have been issued.

There is no effect on interchangeability and stocks can be used up.

Part Numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UR.5767	Assy. Shell & Vanes	UR.8643
UR.5766	Assy. Vanes	UR.8644
UR.5730/8	Vanes. Outer. LH	UR.8645/53
UR.5718/26	Vanes. Outer. RH	UR.8654/62
UR.5728	Vanes, Centre	UR.8663

In conjunction with the above, a foam rubber sealing strip is now being fitted to the radiator shell backplate. This is to close the gap between the backplate and wingtie and prevent wind whistle at speed.

The sealing strip is fixed in position with 'Bostik' half an inch from the lower edge of the backplate.

Part Number of the seal:- UR.8747.

11.2.64.

Q/KH.

3.L.6.

RADIATOR BADGE

BENTLEY S3 BENTLEY S3 CONTINENTAL

The following piece numbers in S2 Spares Schedule, Page C3, Items 21, 22 and 23 and the equivalent in S3 Spares Schedule have been changed.

Parts are interchangeable and numbers are as follows:-

<u>Displaced</u>		<u>New</u>
CD.1505	Nut - 2 BA - Edge - Radiator	K.4307/Z
CD.1506	Washer - Shakeproof - Badge	CS.32056/Z
CD.1507	Washer - Waved - Badge	UR.8141

Q/KH

23.3.64.

3. L. 7.

RADIATOR AND FITTINGS

BENTLEY S. 3. SILVER CLOUD III

The filler cap seal, RH.7357, which is shown in this spares schedule, is incorrect.

The correct one is UR.5538.

RH.7357 and its predecessor RH.7284 "see Information sheet 2. L. 9" are used only on a few early S.2. cars. The circumstances under which they are used are given in Workshop Bulletin S.2/L7.

New pages for the Spares Schedule will be issued in due course but in the meanwhile the following amendments should be made:-

Page C.2	Item 16
Page C.2/1	Item 16
Page C.3.	Item 16
Page C.3/1	Item 16
Page C.4	Item 68
Page C.4/1	Item 68

Change Piece No. RH.7357 to UR.5538.

20.8.64

Q/KH.

RADIATOR AND FITTINGS

BENTLEY S3 SILVER CLOUD III PHANTOM 5

Supplies of radiator drain taps are now being obtained from an alternative source. The taps are interchangeable, but it is not possible to fit a rubber drain pipe to the alternative tap.

The new tap can be used as a replacement on all S. Series cars.

Part numbers are as follows:-

UR.8794     DRAIN TAP - RADIATOR - Alternative to UE.3287  
UE.3288     DRAIN TUBE - NOT REQUIRED WITH UR.8794.

WATER CONNECTIONS

BENTLEY S. 3. SILVER CLOUD III

The following items, listed in the S. 3. Spares Schedule Section C5/1 Items 27 and 32, have been changed in part number only.

The new parts should be used for all replacements.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD. 4810	Pipe - Bleed Hose to Water Tap	UD. 9159
UD. 4811	Pipe - Bleed Hose to Vacuum Tap	UD. 9158

The new part numbers are also applicable to S. 2 and Phantom V cars.

## **SECTION M**

# **ELECTRICAL, IGNITION AND RADIO**

FLASHER AND HEADLAMP FLICK SWITCH

BENTLEY S. 3. SILVER CLOUD III PHANTOM 5

The issue of information sheet 2. M. 37 incorporated a headlamp flick switch with the existing indicator switch. The headlamp flick switch was not required in N. America and the unit in the switch was isolated by means of a distance piece. Piece number of the new switch was UR. 5273 without distance piece and UR 5479 with it.

The headlamp flick part of the UR. 5479 switch has been eliminated and the distance piece deleted; the switch is therefore very similar to the original standard indicator switch, the only differences being the restyled lever and a shroud, fitted between the base of the lever and the quadrant; these differences preclude any possibility of using the new switch for replacement purposes in the original quadrant.

The new switch retains the piece number UR. 5479, and can be used for replacements on S2 series cars.

3. M. 2.

HANDBRAKE WARNING LIGHT

BENTLEY S. 3. SILVER CLOUD III PHANTOM 5.

A new and improved type of handbrake warning lamp is now being fitted.

Lettering has been eliminated but the amber colour has been retained.

The original position on the instrument facia has been retained but as the hole is smaller in diameter the parts are not interchangeable.

Piece numbers are as follows :-

<u>Displaced</u>		<u>New</u>
UD.5857	Lampholder Assy - Handbrake Warning Light	UD.8410
UD.5854	Lens - Handbrake Warning Light	
UD.5855	Retainer - Lens	
	Bezel - Handbrake Warning Light	UD.8380
UD.1412	Bracket Handbrake Warning Light	UD.8381
	Assy - Cable - Handbrake Warning Light	UD.8404
	Assy - Cable - Handbrake Warning Light	UD.8405
UW.2234	Facia Board (RH Cars)	UW.2664
UW.2235	Facia Board (LH Cars)	UW.2665

The following bulb, which is used with the original handbrake warning lamp is also required.

Bulb RD.4243

HANDBRAKE WARNING LIGHT

BENTLEY S3, SILVER CLOUD III, PHANTOM 5.

It has now been decided that in future the switch bracket will be bolted on to the master cylinder outer support plate instead of being welded on.

The new piece number for the support plate UG.4045 has therefore been cancelled and the original plate with two extra holes has been introduced.

Part numbers are as follows :-

<u>Displaced</u>	<u>New</u>
UG.4045 - Support plate, Outer, Master Cylinder	UG.2487
Bracket - Handbrake Warning Light Switch	UG.4046

This is a production modification for S3 Series cars, but UG.2487 Support Plate and UG.4046 Bracket can be used for all replacements of UG.4045 Support Plate on S2 series cars.

WINDSCREEN WIPER

MULLINER BENTLEY CONTINENTAL S3

Improved types of windscreen wiper arms are now being fitted to Mulliner 2 and 4 door Bentley Continental S3 cars.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD 4690	Windscreen Wiper Arm (Mulliner 2 Door Continental)	UD.8569
UD.1490	Windscreen Wiper Arm (Mulliner 4 Door Continental)	UD.8568

The standard wiper blade, UD.4692, is used with UD.8569 arm.

A new blade, UD.8769 should be used with UD.8568 arm.

This is a production modification for Mulliner 2 and 4 door Bentley Continental S3 cars, but applies equally to Mulliner 2 and 4 door Bentley Continental S2 cars.

- (1) Re-issued to provide the part numbers of the appropriate wiper blades to be used with the new arms.

DUAL SPEEDOMETERPHANTOM 5 (CUSTOMERS REQUEST)

Customers occasionally request that their cars be fitted with an additional speedometer in the rear of the car.

An adaptor bolted to the gearbox takes the drive back to the dual drive gearbox mounted on the frame. The flexible drive between these two gearboxes is supplied by Rolls-Royce; the remaining two drive cables are supplied by the coachbuilder.

Special brackets are welded to the frame to mount the gearbox and support the drive cables.

Piece numbers are as follows :

Frame assy	UR.5955
Distance piece speedo drive	UD.8513
Flexible drive adaptor to gearbox	UD.8514
Adaptor	UD.8515
Dual drive gearbox	UD.8516
Speedo, 9.35 axle ratio - miles	UD.5802
Speedo, 9.35 axle ratio - kilos (Except Germany & Italy)	UD.5803
Speedo, 9.35 axle ratio - kilos (Germany and Italy)	UD.5804

This is a production modification for Phantom 5, Series III cars, but the additional speedometer can be fitted to Phantom V Series II cars.

SWITCH KNOBS

BENTLEY S3, SILVER CLOUD III, PHANTOM 5

The material of these knobs has been changed and new piece numbers have been issued.

The new Switch Knobs are completely interchangeable and can be used for all replacements on S2/II also.

Displaced

New

UD.4700      Switch Knob

UD.8651

SPEEDOMETER DRIVE CABLE

BENTLEY S<sup>3</sup>, SILVER CLOUD III, PHANTOM 5

A new and improved type of speedometer drive cable, which is less liable to cause needle fluctuation, is now being fitted.

The new cable assembly will be fitted as a category 3 modification on both S2/II and S3/III cars. A workshop bulletin to this effect will be issued.

The new cable will be used for all spares replacements.

On early cars (See Inf. Sheet 2.M.29) it will be necessary to fit the complete assy as the original part was 4" longer. UD.2563/4/5 will no longer be supplied.

<u>Displaced</u>		<u>New</u>
UD.8140	Assy - Flexible Drive - Speedometer	UD.8675
UD.8142	Cable - Inner - Speedometer	UD.8674
UD.8141	Cable - Outer - Speedometer	UD.8791

No guarantee claims can be accepted, for S2/II and S3/III cars, under the category 3 modification, until cables have been returned to Crewe.

- (1) Re-Issued to clarify the category 3 modification.
- (2) Re-Issued to add piece number for outer cable.

SPEEDOMETER

BENTLEY S.3. SILVER CLOUD III

A 13/38 ratio crown wheel and pinion can be fitted as a customer's request item, in place of the standard 13/40.

Piece numbers of the affected parts will be as follows :-

Crown Wheel and Pinion Assy	RH.2073
Speedometer, MPH (Silver Cloud)	UD.8628
Speedometer, MPH (Bentley)	UD.8629

STARTER CABLES

BENTLEY S. 3. SILVER CLOUD III. PHANTOM 5

Instances have occurred of the starter solenoid to starter relay cable fracturing at the starter end of the cable.

As a means of preventing this the length of the cable has been increased from 7.000" (17.7 cm) to 10.500" (26.6 cm) and the cable eyes strengthened.

Any stocks of cables to the old specification should be returned to Crewe for exchange.

The opportunity should be taken to fit the new cable when any work is to be carried out on the starter motor of one of the affected cars.

Cars having the 7.000" (17.7 cm) cable only, should be replaced with the new type.

This is a production modification for S3/III Series cars, but the new cable should also be fitted to S2/II Series cars.

The cable part number UD 4484, is unchanged.

The new cable was introduced on the following chassis :-

'A' Series  
Bentley S. 3 (Standard Steel Cars)

B. 16. AV Onwards

'A' Series  
Silver Cloud III (Standard Steel Cars)

SAZ. 37 Onwards

'A' Series  
Bentley S3 (Long Wheelbase)

BAL. 2. Onwards

- 2 -

'A' Series  
Silver Cloud III (Long Wheelbase)

CAL. 7. Onwards

'A' Series  
Bentley S 3. Continental

BC. 24. LXA Onwards

'A' Series  
Phantom 5

5. LVA. 23 Onwards.

3. M. 10.

IGNITION CABLE

BENTLEY S3, SILVER CLOUD III, PHANTOM 5

The only difference between the S.2 and S.3 cables is the length.

Since the length makes no difference to the price, in future only the longest cable UE.9764 will be supplied for S.2 and S.3 cars.

The assembly includes the bonded on plug terminal.

It will be necessary to trim the cable as required.

If any of the distributor cap fittings are required they should be purchased separately.

Piece numbers are as follows:-

Rubber Cover		UE.2560
Terminal Screw		UE.4147
Spring Washer		UE.8263
Identity Sleeve	1A	UE.9756
	2A	UE.9757
	3A	UE.9758
	4A	UE.9759
	1B	UE.9760
	2B	UE.9761
	3B	UE.9762
	4B	UE.9763

HEADLAMPS

BENTLEY S.3. SILVER CLOUD III

Detail modifications have been made to the headlamp pockets, welded into the front wings, in order to facilitate the fitting of the headlamps.

The only change of any significance from the spares point of view is that the securing screws have been increased in diameter from 4BA to 3BA.

Piece number of the wings are unchanged and as early cars will have 4BA screws care should be taken in future if new ones are required.

Piece number is as follows :

UA.6742/E      Screw - Fairing to Pocket Headlamp      UA.6821/E

3. M. 12.

RADIO

BENTLEY S2/3 SILVER CLOUD II/III PHANTOM V/5

An improved type radio receiver of Pye manufacture, is now being fitted to cars destined for Australia and New Zealand.

Complete Radio assemblies are interchangeable but a new balance control knob should also be supplied, for the appearance point of view.

Part numbers are as follows.

<u>Displaced</u>		<u>New</u>
UD.8291	Assy. Pye Radio	UD.8718
UD.6312	Finisher Radio	UD.8715
UD.6313	Mounting Bracket L.H.	UD.8716
UD.6314	Mounting Bracket R.H.	UD.8717
UD.8609	Knob, Balance Control	UD.8638

UD.8716 can be produced from UD.6313

UD.8717 can be produced from UD.6314

Internal Circulation only  
New Zealand and Australia only.

INSTRUMENT WIRING  
BENTLEY S3, SILVER CLOUD III

In order to eliminate creaks and other noises the instrument board wiring has been regrouped. An improved type of cable clip is also being fitted which consists of a Neoprene buckle and Nylon securing piece.

Part numbers are as follows.

<u>Displaced</u>		<u>New</u>
	Buckle, Cables, Instrument Board, large	UD.8745
	Buckle, Cables, Instrument Board, small	UD.8746
	( Clip, Cables, Instrument Board, large	UD.8747
UA.6008	( Clip, Cables, Instrument Board, small	UD.8748
	( Clip, Cables, Instrument Board, medium	UD.8749

UD.8748 and UD.8749 are used with UD.8745 Clip and UD.8746 with UD.8747 clip.

STARTER SOLENOID CABLESBENTLEY S3. SILVER CLOUD III

In order to avoid the possibility of a foul occurring between the petrol feed pipe, and the starter solenoid cables which run to the distribution board and to the overrider switch, the cables have been re-routed. They are now clipped to the main battery feed cable and to the dashboard reinforcement bracket, from which, they enter and form part of the rear loom assembly.

Originally the cables were routed to pass under the petrol feed pipe, to the dashboard and into the distribution board loom. This loom is now modified by deleting the starter solenoid to distribution board cable, and by shortening the starter solenoid to overrider switch cable, and then fitting a nipple snap connector, in place of a Lucar connector at the overrider switch end of the cable.

The introduction of this revised run of the solenoid cables, necessitates the modification of the dashboard reinforcement bracket, by fitting two hank rivet bushes for the clipping of the cables.

Parts are not interchangeable and numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD 5795	Assy - Rear Loom (Standard Cars)	UD 8757
UD 6332	Assy - Loom - Distribution Board - Front End LH Valance Plate (RH Cars only)	UD 8756
UD 6331	Assy - Loom - Distribution Board - Front End LH Valance Plate (LH Cars only)	UD 8755
UD 8501	Assy - Rear Loom (Long Wheelbase Cars only)	UD 8758

The following existing parts will also be required:-

Clip - Rear Loom	UR 2771
Clip - Rear Loom	RD 3043

3.M.14.

Issue 2

- 2 -

Clip - Rear Loom	RD.3042
Binder - Rear Loom -	
Starter Relay	UD.8746
Clip - Rear Loom -	
Starter Relay	UD.8749
Screw - Clip - Rear Loom	KC.178/Z
Washer - Spring - Clip -	
Rear Loom	K.9006/Z
Washer - Plain - Clip -	
Rear Loom	K.4404/Z
Snap Connector	RD.7050

(i) Re-issued to amend part number UD.8748 to UD.8749.

Q/KH

12.8.1963.

129

3.M.15.

ASSEMBLY HOLDER & SPARE FUSE WIRE

POST WAR CARS

It is essential that, when replacing fuse wire, the correct gauge is used with a particular fuse holder.

Three assemblies are now available, and the following information can be used to determine the wire gauge required.

B6/7

Use 30 S.W.G. wire. This is supplied on a carrier as an assembly RH.2294. The fuse folder used on these cars is RD.3686 (small type).

Early S.1.

Use 31 S.W.G. wire on the general fuse box. This is supplied on a carrier as an assembly RH.2295.

Use 30 S.W.G. wire on the electric window winder fuse box - assembly RH.229. The fuse holder used in both fuse boxes is RD.3686 (small type).

Last S.1. and all S2/3 chassis

These cars use a different type of fuse holder UD.4589 (large type). They use 28 S.W.G. wire, supplied as an assembly RH.2296.

UD.4589 can be readily recognised from RD.3686 as it is a much larger holder and has a slot in the top of the handle into which a stiffening rib in the fuse box cover locates. The copper contact strips are also narrower being .156" wide as opposed to .250" wide on RD.3686.

3.M.16.

WINDSCREEN WIPER MOTORS

MULLINER BENTLEY S3 CONTINENTAL R & L HAND

To obviate the condition known as the 'over sweep' the 130° gear in the DR3 wiper motor has been reduced to 120° .

Wiper Motors are interchangeable on Mulliner Continental.

Part numbers are as follows:-

Displaced

New

UD.5754      Assy Wiper Motor

UD.8523

(S3 Mulliner Continental Only)

WINDSCREEN WASHER

BENTLEY S3 SILVER CLOUD III, BENTLEY S3 CONTINENTAL

Manual operation of the windscreen washer on present production cars has been achieved by wiring up only the 'B' and 'C' terminal posts.

In order that automatic operation can be easily provided, if the customer desires it, the 'A' cable has been retained but it is doubled back and retained in a Hellaprene sleeve.

Piece number of the sleeve is UD.8795.

RADIOBENTLEY S3 SILVER CLOUD III PHANTOM 5

A new type of transistorised radio having improved reception is now being fitted. The external appearance of the control panel is unaltered and the external socket for the parcel shelf, loudspeaker has been dispensed with. The overall depth of the receiver has been reduced by one inch.

Interchangeability of complete receivers is not affected.

Piece numbers are:-

<u>Displaced</u>		<u>New</u>
UD.6317	Assy - Radio 920T/VT Medium & Long Wave	UD.8827
UD.8291	Assy - Radio 922T/VT Medium Wave	UD.8828
UD.6311	Radio Control Unit - 920T/VT Medium and Long Wave (part of UD.8827)	UD.8835
UD.8290	Radio Control Unit - 922T/VT Medium Wave (part of UD.8828)	UD.8854
UD.5144	Screw - Mounting Bracket to Radio	UD.8855
UD.4974	Washer Mounting Bracket to Radio	UD.8856
UD.6315	Cable - Loudspeaker (RH Non Division Cars)	
UD.5751	Cable - Loudspeaker (LH Non Division Cars)	
UD.8352	Cable - Loudspeaker (Division Cars)	

DIPSWITCH CABLE COVER SCREW.BENTLEY S3 SILVER CLOUD III PHANTOM 5

The Phillips recessed head screw which retains the dipswitch cable cover to the floor, has been replaced with a counter sunk head screw.

Screws are interchangeable and part numbers are as follows :-

DisplacedNew

UD.4658    Screw - Cable Cover - Dipswitch

CS. 31020/Z

IGNITION DISTRIBUTOR

BENTLEY S3. SILVER CLOUD III PHANTOM 5

Will you please make the following amendments to Page A.12  
of the S. Spares Schedule:-

Against Item 8 Delete

CD. 3050 Tab Insulating Condensor

Add

RH 7497 Lead assy complete with nylon blocks.

Under Item 88 add

CD. 3050 Tab Insulating Condensor.

Delete Item 11 CD. 3053. Bush - Insulating Terminal

WINDSCREEN WIPER

SI SERIES CARS & ONWARDS

To facilitate the selection of the correct windscreen wiper arm, and, or blade on S series cars, the lengths and type of all those which have been fitted from time to time are given below.

Blades

UD 4692	10.125" long	Used with snap on type arm
UD.5300	11.800" long	Used with snap on type arm
UD.2134	10.00" long	Used with hook type arm
UD.8769	11.125" long	Used with hook type arm

The above measurements are with the squeegee straightened

Arms

UD.4690	8.600" long	snap on type, straight
UD.8569	11.500" long	snap on type, cranked 10° RH Park
UD.5299	11.850" long	snap on type, cranked 10° RH Park
UD.5404	11.850" long	snap on type, cranked 10° LH Park
CD.2096	10.00" long	hooked type, straight
UD.2455	10.500" long	hooked type, straight
UD.8568	11.500" long	hooked type, straight
UD.8622	8.600" long	snap on type cranked 10° RH Park

DYNAMO MOUNTING BRACKET

BENTLEY S2/3 SILVER CLOUD II, III PHANTOM V

A new dynamo Mounting Bracket has been introduced which is almost identical to the bracket used previously. The only difference between the two, is the addition of a weldnut on the new bracket to facilitate fitting to the dynamo

Brackets are interchangeable part numbers are as follows

Displaced

New

UE. 7322

Front Bracket Pump Dynamo

UE. 9845

Use up present stocks.

DYNAMO MOUNTING BRACKETBENTLEY S2.3 SILVER CLOUD II, III, PHANTOM V

Changes have been made, in the past, to the method of mounting the dynamo front end and it has been the subject of Information Sheet 2.M.18 and 2.M.24.

The original method consisted of a mounting bracket, secured to three of the water pump bearing housing to volute casing bolts, and a swivel arm. The later method consisted of two mounting struts secured to two of the bearing housing to volute casing bolts and a new swivel arm secured to the upper one of these two bolts. These two bolts were increased in diameter from .250" (6.3500 M/M) to .3125" (7.9375 M/M).

In order to keep stock holdings as low as practicable all pumps returned for service in future will be converted to the latest standard by opening out the two holes. Pumps will be supplied without struts or mounting brackets or swivel arm and these items should be removed from pumps being returned for rework.

When it is required to fit the old mounting bracket to the modified pump pump it will be necessary to open out the two outer holes in the mounting bracket to .3125" (7.9375 M/M) in order to fit it to the pump.

Piece number of the pump assembly will be RH.2149 this having been altered to suit the new requirements.

No other pump will be supplied and pages C1, C1/1, C1/2 & S3 Spares Schedule page C.1. can be disregarded from this point of view.

STARTER MOTOR

BENTLEY S2/3 SILVER CLOUD II/III PHANTOM V

In order to eliminate cases of starter motor failure, a new type incorporating modified brush gear is now being fitted. It will be used for all replacements on S2/11 Series cars and onwards.

The new starter motor was introduced on Service Bulletin S3/M5.

Part numbers are as follows :-

Displaced

New

UD 5692      Starter Motor

UD 8973

STARTER MOTOR

BENTLEY S2/3 SILVER CLOUD II/III PHANTOM 5.

The following are chassis numbers of cars that incorporate the modified starter motor.

'D' Series

Bentley S3 Standard Steel Cars

B. 132. DF, 136, 144, 162 and onwards

'A' Series

Bentley S3 Long Wheel Base

BAL. 16 and onwards

'E' Series

Silver Cloud III Standard Steel Cars

SEV 295 and onwards, less SEV 305, 311, 323, 325

'C' Series

Silver Cloud III Long Wheel Base

CCL 63 and onwards less 69

'C' Series

Bentley S3 Continental

BC 48 XC and onwards

'B' Series

Phantom 5

5 VB 29 and onwards.

8.6.64.

Q/KH

160

VOLTAGE REGULATORBENTLEY S.3. SILVER CLOUD III, PHANTOM 5

A new voltage regulator with improved control over the charging system is now being fitted. It eliminates overcharging at high speeds and maintains the correct voltage during night driving or, whenever heavy electrical loads are experienced.

Use is made of Lucar connectors in place of the original clamp and screw type connectors. Dimensional changes necessitate the introduction of a new mounting bracket.

Parts are not interchangeable as individual items, and numbers are as follows :-

<u>Displaced</u>		<u>New</u>
UD.5308	Voltage Regulator	UD.8658
UD.6114	Assy - Mounting Bracket - Regulator (Standard and Long Wheelbase cars)	UD.8646
UD.2216	Assy - Mounting Bracket - Regulator (Coachbuilt Cars)	UD.8657
	Assy - Cable - Regulator 'E' to Earth (Standard and Long Wheelbase cars)	UD.8647
UD.1801	Cable - Condensor to Regulator 'B' (Standard and Long Wheelbase cars)	UD.8648
UD.8267	Engine Loom (Bentley S3 Continental)	UD.8665
UD.8025	Engine Loom (All Coachbuilt cars except Continental)	UD.8673
UD.6376	Assy - Loom - Instrument Board (L.H. Mulliner S3 Continentals)	UD.8669
UD.6375	Assy - Loom - Instrument Board (R.H. Mulliner S3 Continentals)	UD.8670
UD.6374	Assy - Loom - Instrument Board (R.H. Park Ward S3 Continentals)	UD.8671
UD.6373	Assy - Loom - Instrument Board (L.H. Park Ward S3 Continentals)	UD.8672
UD.6364	Assy - Loom - Instrument Board (R.H. Phantom 5)	UD.8676

Displaced		New
UD. 6365	Assy - Loom - Instrument Board (R. H. Coachbuilt Long Wheelbase Division Cars)	UD. 8677
UD. 6366	Assy - Loom - Instrument Board ( R.H. Coachbuilt Long Wheelbase Non Division Cars)	UD. 8678
UD. 6367	Assy - Loom - Instrument Board (L. H. Phantom 5)	UD. 8681
UD. 6368	Assy - Loom - Instrument Board (L. H. Coachbuilt Long Wheelbase Division Cars)	UD. 8682
UD. 6369	Assy - Loom - Instrument Board (L. H. Coachbuilt Long Wheelbase Non Division Cars)	UD. 8683
UD. 5673	Loom - Instrument Board - Facia Panel (R. H. Standard & Long Wheelbase cars)	UD. 8659
UD. 8132	Loom - Instrument Board - Facia Panel (L. H. Standard & Long Wheelbase cars)	UD. 8668
UD. 6124	Engine Loom (Standard & Long Wheelbase Cars)	UD. 8660

If it is ever necessary to fit an RB. 340 Regulator in place of an RB. 310 Regulator, special kits are available, but it is emphasised that RB. 310 Regulators are still available and should continue to be used for replacements when they were fitted as original equipment.

Part numbers of the kits are as follows :-

RH. 2309	Lucas RB. 340 Voltage Regulator Kit (Standard and Long Wheelbase Park Ward Cars)
RH. 2310	Lucas RB. 340 Voltage Regulator Kit (Coachbuilt Cars)

VOLTAGE REGULATOR

BENTLEY S3 SILVER CLOUD III PHANTOM 5.

The following are chassis numbers at which the above modification commenced.

'E' Series

Bentley S3 Standard Steel Cars

B. 38. EC and onwards

'A' Series

Bentley S3 Long Wheel Base Cars

BAL 16 and onwards

'C' Series

Bentley S3 Continental

BC 68 XC and onwards

'E' Series

Silver Cloud III Standard Steel Cars

SEV 385 and onwards

'C' Series

Silver Cloud III Long Wheel Base Cars

CCL 71 and onwards

'B' Series

Phantom 5

5 VB. 37 and onwards

3. M. 26.

REVERSE LIGHT MICRO SWITCHBENTLEY S3 SILVER CLOUD III

Cases have occurred of the reverse light remaining on after the reverse gear has been disengaged. This has been caused by a tendency for the micro switch points to weld under certain conditions.

In order to eliminate this tendency a choke has been incorporated into the light circuit in order to delay current build up. It is located in the car boot, and is retained to one of the stop-flasher relay mounting screws by a spring clip.

Wiring in the boot loom on Long Wheelbase cars, and on the rear loom on Standard cars, is slightly modified by fitting nipple type snap connectors in place of the spade connectors on the reverse light cable: the cable ends connect to the choke instead of to the terminal strip. An extra cable runs from the choke to the terminal strip the other side of which is unchanged.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
	Assy - Choke - Reverse Light	UD.8734
UD.8757	Assy - Loom - Rear (Standard Cars only)	UD.8822
UD.8148	Assy - Loom - Boot (Long Wheelbase Cars only)	UD.8744
	Assy - Cable - Choke to Terminal	UD.8735

Addendum 3.M.26

REVERSE LIGHT MICRO SWITCH

BENTLEY S3 SILVER CLOUD III

The following are chassis numbers of cars which incorporate the reverse light choke assembly.

'E' Series

Bentley S3 Standard Steel Cars

B.222.EC and onwards

'A' Series

Bentley S3 Long Wheel Base Cars

BAL.20 and onwards

'C' Series

Bentley S3 Continental

BC.122.XC and onwards

'F' Series

Silver Cloud III Standard Steel Cars

SFU.169 and onwards.

'C' Series

Silver Cloud III Long Wheel Base Cars

CCL.95 and onwards.

7.10.64

Q/KH.

3. M. 27.

WINDSCREEN WIPERS

BENTLEY S. 3. PARK WARD CONTINENTAL (2 DOOR)

AND SILVER CLOUD EQUIVALENTS

Cases sometimes occur of wiper blades lifting from the screen at high speeds.

In order to raise the speed at which this occurs an arm with an increased windscreen loading and a modified blade are being supplied for service use.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD. 5404	Wiper Arm LH	CD. 3898
UD. 5300	Blade	UD. 9040

Cancel all previous

(Issue 2) To add (2 DOOR) to the title.

14. 5. 65.

Q/KH

WINDSCREEN WIPER

BENTLEY S.3. PARK WARD CONTINENTAL (2 DOOR)

AND SILVER CLOUD EQUIVALENTS

In order to raise the speed, at which the blades begin to lift, still further, arms with an even higher screen loading are now being fitted, but in order to operate the blades when these arms are fitted an increased capacity motor is required. The new motor cannot be fitted to cars already in service and in such cases the intermediate blade and arm must still be used.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD.5755	Wiper Motor RH )	UD.8824
UD.8074	Wiper Motor LH )	
UD.5295	Wiper Wheelbox	UD.8777
UD.5299	Wiper Arm RH )	UD.9015
UD.5404	Wiper Arm LH )	
UD.5300	Wiper Blade	UD.9040
UD.5311	Tube Wiper Motor to W/Box	UD.8778
UD.5312	Tube - Intermediate	UD.8770
UD.1241	Bush - Inner W/Box	UD.8774
173/360	Assy. Mtg. Brkt.	UD.8773
RD.6716	Nut, Wheelbox Spindle	UD.9103

The following are chassis numbers of cars that introduce the above modification

Park Ward Continental

Chassis BC.34.XE

Silver Cloud Equivalents

Chassis CSC 31 B (and onwards less 33 B)

(Issue 2) To add (2 DOOR) to the title and further chassis number information.





3. M. 29

RADIO

BENTLEY S2/3. SILVER CLOUD II/III PHANTOM 5

A Radiomobile 530TB/VT Medium/Short wave radio is now being fitted to production cars.

This replaces the existing 230R Unit the production of which has ceased.

The new radio assembly complete is interchangeable. Individual parts are not.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
	Radio 530TB/VT Med/Short assy complete with brackets and finisher	UD.8992
	Radio 530TB/VT Med/Short	UD.8986 *
UD.8182	Control Unit	
UD.5087	Amplifier Unit	
UD.5092	Finisher	UD.8995 *
UD.5090	Mounting Bracket RH	UD.8998 *
UD.5091	Mounting Bracket LH	UD.8999 *
UD.5144	Screw 10 UNF x .375	UD.8855 *
K.4404/Z	Washer, plain	UD.4974 *
	Washer, shakeproof	UD.8856 *

Items marked thus \* are contained in UD.8992. Assy.. Radio 530TB/VT. UD.8986/8992 is a combined amplifier/control unit.

23.3.64.

Q/KH.

3.M.30.

SUB-ASSY - DISTRIBUTOR PEDESTAL

SILVER CLOUD III BENTLEY S.3.

Due to the fact that there is no octane adjuster plate on the S.3/III distributor, the studs, which secure it and the distributor to the pedestal, are shorter by the thickness of the plate, and there is, therefore, a new piece number for the pedestal assembly. The only difference is the studs and the assemblies can be converted simply by changing them over.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UE.6346	Sub-Assy - Distributor Pedestal	UE.30343
UA.702/Z	Stud - .250 dia. - Distributor Pedestal	UA.701/Z

23.3.64.

Q/KH

3.M.31

JET HOLDER WASHER

BENTLEY S.3. SILVER CLOUD III PHANTOM 5

There has been a change of part number for the jet holder washer, S.3. Spares Schedule, Page P.29, Item 30.

The washers are interchangeable and part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
K.4417/R	Washer - Jet Holder	UD.8567

NUMBER PLATE

BENTLEY S. 3. SILVER CLOUD III PHANTOM V

A modified reverse and rear number plate lamp is now being fitted. It has a slightly larger bulb in the number plate section and modified wiring. In order that the new lamp can be used for all replacements the necessary connections and nipples will be supplied with each replacement lamp under and RH number.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD. 3222	Lamp, number plate illumination (All countries except France)	UD. 9009
UD. 4329	Lamp, number plate illumination (France only)	UD. 9010
	Lamp, number plate, complete with connectors etc. (France only)	RH. 2327
	Lamp, number plate, complete with connectors	RH. 2328
RD. 4997	Bulb - Number Plate	RF. 4518

- 1) Re-Issued to correct information contained in brackets, and to include Bulb part numbers.

20.8.64

Q/KH.

NUMBER PLATE

BENTLEY S3 SILVER CLOUD III

The following are the chassis numbers of cars which incorporate the modified reverse and rear number plate lamp.

'E' Series

Bentley S3 Standard Steel Cars

B.412.EC and onwards.

'B' Series

Bentley S3 Long Wheel Base Cars

BBL.2 and onwards.

'F' Series

Silver Cloud III Standard Steel Cars

SFU 485 and onwards.

'D' Series

Silver Cloud III Long Wheel Base Cars

CDL.33 and onwards.

MOUNTING FOR HIRSCHMAN AERIAL (CUSTOMERS REQUEST)

BENTLEY S.3. SILVER CLOUD III, STANDARD AND LWB P.S.C CARS

A simplified installation of the Hirschman Aerial is now being fitted.

It necessitates the use of a modified mounting bracket.

Spares Schedule S.3./III Page K.8 Items 3.5. and 7 give the parts involved.

None of the parts are interchangeable.

The part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD.5244	Support Bracket, Aerial	UD.9034
UB.5158	Mod. Assy Front Wing (LH)	UB.5352
RB.3746	Washer, plain bracket	UA.1251/Z

SPEEDOMETER FLEXIBLE DRIVE CABLE

BENTLEY S2/3. SILVER CLOUD II/III. PHANTOM V/5

An improved speedometer cable with a reduced tendency to cause needle flutter is now being fitted.

Cable assemblies which are removed from customers cars, on complaint of flutter, will be exchanged on a one for one basis on return to Crewe.

It is emphasised that it is in the interest of all concerned to return removed cables as quickly as possible. Failure to do so can only result in extreme difficulties of supplies.

All parts are interchangeable and piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD.8675	Assy Flexible Drive	UD.9053
UD.8791	Outer Cable	UD.9051
UD.8674	Inner Cable	UD.9049

3.M.35

STARTER MOTOR

BENTLEY S.3., SILVER CLOUD III, PHANTOM 5

A modification to prevent a tendency for the starter relay to starter solenoid cable to be twisted, when the connection nuts are being tightened, has been introduced.

A link strip is fitted in place of the existing starter solenoid link cable.

One edge of the strip is flanged and the eye at the solenoid end of the relay/solenoid cable is made to lie along it thus securely locking it.

The eye shank has been bent at  $30^{\circ}$  in order to improve the lie.

The link strip can be used for all replacements of the link cable.

The piece number of the relay to solenoid cable is unchanged.

Piece numbers are as follows: -

<u>Displaced</u>		<u>New</u>
UD. 5189	Link Cable	
	Link Strip	UD. 9041

The following are the chassis numbers on which this modification was fitted:-

'G' Series  
Bentley S3 Standard Steel Cars

B-152-FG onwards

'B' Series  
Bentley S.3 Long Wheelbase

BBL-8 onwards

'C' Series  
Bentley S3 Continental

B-158-XC onwards

'G' Series  
Silver Cloud III Standard Steel Cars

SGT 267 onwards

'D' Series  
Silver Cloud Long Wheelbase

CDL.91 onwards

'D' Series  
Phantom 5

5.LVD.15 onwards

STOP FLASHER RELAY

BENTLEY S3, SILVER CLOUD III, PHANTOM 5

Regulations now require that the stop lamp should not be extinguished when the adjacent flasher lamp is in operation. In order to satisfy this requirement the stop/flasher relays are no longer being fitted on present production cars

They are still required for the fog/flasher circuit on S.2 and other earlier cars.

If it is desired to cut out the relay on existing cars it is only necessary to connect the yellow stop light switch cable into the vacant space on the terminal strip and run the yellow stop light cables in to the same place. The pink and purple relay cables should be taped back.

Part numbers are as follows :-

<u>Part Number</u>	<u>Description</u>
UD.1654	Relay, Stop Flasher
RD.7070	Relay, Stop Flasher (Mulliner Cars Only).

The following are the chassis numbers on which this modification was incorporated:-

'G' Series

Bentley S.3 Standard Steel Cars

B-152-FG onwards

'B' Series

Bentley S.3 Long Wheel Base

BBL.8 onwards

'G' Series

Silver Cloud III Standard Steel Cars

SGT.267 onwards

'E' Series

Silver Cloud Long Wheelbase

CEL.1 onwards

NEMAG' SPEEDOMETERSBENTLEY S3 SILVER CLOUD III PHANTOM 5

A new type of speedometer and Flexible Drive is now being fitted on production cars.

The introduction of the new flexible drive has necessitated modifications to the drive shaft and gear; also the shaft housing.

None of the parts are interchangeable and piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD.8197	Speedometer, MPH/KPH)	UD.9080
UD.8198	Speedometer, MPH ) Bentley	UD.9078
UD.8199)	Speedometer, KPH ) Continental	UD.9079
UD.8200)	)	
UD.8964	Speedometer, MPH )	UD.8968
UD.8965	Speedometer, )KPH ) Silver Cloud	UD.8970
UD.8966	Speedometer, ) ) Coachbuilt	
UD.8967	Speedometer, )MPH/KPH)	UD.8971
UD.5805	Speedometer, MPH ) St'd & LWB	UD.8760
UD.5806	Speedometer )KPH )	
UD.5807	Speedometer, ) ) Bentley	UD.8764
UD.5808	Speedometer, )MPH ) St d & LWB	UD.8759
UD.5809	Speedometer, )KPH ) Silver	UD.8763
UD.5810	Speedometer, ) ) Cloud	
UD.5802	Speedometer, )MPH)	UD.9081
UD.5803	Speedometer, ) )	
UD.5804	Speedometer, )KPH ) - Phantom 5	UD.9082

Continued.....

<u>Displaced</u>		<u>New</u>
UD.9053	( Flexible Drive, Speedometer (Standard & ( Long Wheelbase Cars)	UD.8790
	( Flexible Drive, Speedometer (Coachbuilt ( Cars)	UD.9011
UD.9051	Outer casing, flexible drive	
UD.9049	Inner, cable, flexible drive	
RD.4808	Earthing strip, speedometer drive to dashboard	
UR.2771)	Clip, Speedometer Drive	RE.16256
UD.1619)	Clip, Speedometer Earth to Dashboard	
UG.1359	Housing Shaft Speedometer Drive	UG.4015
UG.766	Shaft, Speedometer Drive	UG.4016
RG.8014	Gear, Speedometer Drive	UG.4017
	Lamp holder M.E.S. Speedometer	UD.9048
UD.5500	Bulb 12v 2.2w M.E.S. Speedometer	RD.4243

The following are chassis of cars which incorporate the above.

'F' Series  
Bentley S3 Standard Steel Cars

Chassis B.138.FG, 206 onwards

'B' Series  
Bentley S3 Long Wheelbase Cars

Chassis BBL.8 onwards

'G' Series  
Silver Cloud III Standard Steel Cars

Chassis SGT 229, 233 onwards less 275, 463

'E' Series  
Silver Cloud III Long Wheelbase Cars

Chassis CEL.3 onwards.

SPEEDOMETER DRIVE GEAR

BENTLEY S3, SILVER CLOUD, PHANTOM 5

Rolls-Royce Automatic Gearbox Schedule; Technical Publication No. CPL.10.1  
Volume 111, Page No. 4.

Please add the following piece number:-

UG.4017 Gear Speedometer Drive (6 toothed gear)

This gear was introduced for use with the Nemag Speedometers, chassis  
numbers are given in Information Sheet 3.M.37.

Issue (2) to add page number 4.

3 M.38.

BATTERY CABLEBENTLEY S3 SILVER CLOUD III PHANTOM 5

A battery cable, the conducting component of which consists entirely of copper wire, is being fitted in place of the existing assembly of aluminium rod with flexible wire end. At the same time the position of the starter relay has been changed slightly in order to avoid the possibility of a foul between the steering box mounting bracket and one of the bolts securing one of the battery cable clips the change in position has been achieved by deleting the two clip brackets adjacent to the steering box mounting arm and replacing them with a single double bracket in much the same position.

The new cable can be used for replacements of the old one but, because of its increased flexibility, care must be taken in the clipping arrangements. Additional clips should be provided where the cable passes through the right hand rear arm of the cruciform, this being drilled as necessary, and another one on the front plate of the number 4 body mounting bracket. A kit containing the cable assembly and necessary clips and brackets can be supplied.

The modified frames retain their original part numbers, UR.5980/1/2 and UR.8332, but they can be used for all replacements.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD.4482	Assy - Battery Cable (123" Wheelbase Cars)	UD.8974
UD.4621	Assy - Battery Cable (127" Wheelbase Cars)	UD.8976
UD.4826	Assy - Battery Cable (Phantom 5 cars)	UD.9000
UD.1811	Terminal - Battery Cable (Part of UD.8974 UD.8976 & UD.9000 Assys)	UD.8975
UD.1140	Cable Eye - Battery Cable	UD.10459
RD.3105	Boot - Cable Eye (Changes in this instance only)	UD.8977
	Bracket - Support - Clip - Battery Cable - No.4 Body Mounting Bracket	UR.8711
	Clip - Battery Cable - Cruciform	UD.8978
	Battery Cable Kit (123" Wheelbase Cars)	RH.2329
	Battery Cable Kit (127" Wheelbase Cars)	RH.2330
	Battery Cable Kit (Phantom 5 Cars)	RH.2331

The following existing parts will be required.

Displaced

New

Clip - Cable - Support Bracket	UR. 3289
Clip - Battery Cable	RE. 12204
Bush - Clip - Battery Cable	UD. 2139
Setscrew - Clip - Cruciform	KC. 153/Z
Washer - Clip - Cruciform	K. 4404/Z
Nut - Clip - Cruciform	K. 4006/Z
Washer - Battery Clip	K. 4452/Z

The new parts are fitted on the following chassis.

'G' Series

Bentley S.3 Standard Steel Cars

Chassis B-290-FG onward

'B' Series

Bentley S.3 Long Wheel Base Cars

Chassis BBL 8 onward

'G' Series

Silver Cloud SIII Standard Steel Cars

Chassis SGT 531 onwards

'C' Series

Bentley S.3 Continental

BC-172-XC onwards.

IGNITION CABLESBENTLEY S3 SILVER CLOUD III PHANTOM 5

In order to comply with current regulations, H. T. ignition cables, with a resistive core, are now being fitted.

Additionally, in the case of cars exported to France, a resistor is fitted at each end of each cable.

Complete ignition harnesses are interchangeable; it is not recommended that individual cables in an old type harness should be changed to the new material.

Because of special techniques involved in assembly, the new cables have to be supplied with terminal ends fitted, and, as a result, it is necessary to cut the sleeves when fitting them into existing harnesses. In addition, it is no longer possible to supply the longest cable only, and trim to suit, in accordance with Information Sheet 3. M. 10 and S. 3. Spares Schedule Page A.12.

<u>Displaced</u>		<u>New</u>
	Harness assy distributor to plug 'A' Bank	
	Not used on cars exported to France	UE.31693
UE.9772	Lead assy No.1	UE.31662
UE.9773	Lead assy No.2	UE.31663
UE.9774	Lead assy No.3	UE.31664
UE.9775	Lead assy No.4	UE.31665
	Harness assy distributor to plug, 'B' Bank	
	Not used on cars exported to France	UE.31694
UE.9776	Lead assy No.1	UE.31666
UE.9777	Lead assy No.2	UE.31667
UE.9778	Lead assy No.3	UE.31668
UE.9779	Lead assy No.4	UE.31669
UE.9764	Lead and terminal assy only	-
	Harness assy distributor to plug, 'A' Bank	
	Used only on cars exported to France	UE.31688
	Lead Assy No.1	UE.31680
	Lead Assy No.2	UE.31681
	Lead Assy No.3	UE.31682
	Lead Assy No.4	UE.31683

<u>Displaced</u>		<u>New</u>
-	Harness assy distributor to plug, 'B' Bank Used only on cars exported to France	UE.31689
	Lead Assy No.1	UE.31684
	Lead Assy No.2	UE.31685
	Lead Assy No.3	UE.31686
	Lead Assy No.4	UE.31687
UM.10708	Assy High Tension Cable, Distributor to Coil	UE.31696
	(Not used on cars for France)	
UM.10708	Assy High Tension Lead - Distributor to Coil	UE.31671
	(Used on cars for France)	

The following are chassis numbers that incorporate the above modification.

'G' Series  
Bentley S3 Standard Steel Cars

B 10 GJ and onwards

'B' Series  
Bentley S3 Long Wheel Base Cars

BBL. 10 and onwards

'H' Series  
Silver Cloud III Standard Steel Cars

SHS 117 and onwards

'E' Series  
Silver Cloud III Long Wheel Base Cars

CEL. 37 and onwards

'C' Series  
Bentley S3 Continental

BC 184 XC and onwards

3. M. 39.  
Issue II

- 3 -

'D' Series  
Phantom 5

5 VD 41 and onwards

Issue II to amend type script.

Radio

Bentley S2/3 Silver Cloud II/III Phantom V/5

An all transistorised Pye radio replacing the present hybrid type is now being fitted to cars destined for Australia and New Zealand.

Only Complete Radio assemblies are interchangeable and part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD. 8718	Assy Pye Radio - Medium Wave	UD. 9029
UD. 8716	Mounting Bracket LH	UD. 9035
UD. 8717	Mounting Bracket RH	UD. 9036
UD. 9032	Finisher, Control Unit	UD. 9032

3.M.44.

LAMPS

BENTLEY & SILVER CLOUD 2 & 4 DOOR CONTINENTAL

CARS AND PHANTOM V

In order to comply with West German regulations, the flashers and rear lamps on all cars exported to that country, are now being fitted with 18 watt bulbs in place of the standard 21 watts.

Special piece numbers have been allocated to lamps fitted with this 18 watt bulb. The piece numbers are as follows:-

Front flasher and side lamp RH. All 4 door Continental & Ph.V cars.	UD.9294
Front flasher and side lamp LH. All 4 door Continental & Ph.V cars.	UD.9293
Front flasher and side lamp. 2 door Continental cars only.	UD.9296
Rear flasher lamp. 2 door Continental cars only.	UD.9295
Rear lamp. All 4 door Continental & Ph.V cars.	UD.9298
Bulb 12v. 18w.	UD.13454

3.M.45.  
Issue 2BENTLEY S2/3, SILVER CLOUD II/III, PHANTOM 5WINDSCREEN WASHER CONTAINER AND CARRIER

The Lucas Type 2SJ windscreen washer for these cars has been replaced by the Lucas 5 SJ type.

The new container and carrier complete can be used for all replacements but individual parts are not interchangeable.

Part numbers are as follows:-

<u>DISPLACED</u>		<u>NEW</u>
UD.6152	Assy. Washer Bottle and Cage Motor & Pump	UD.13144
UD.5565	Washer Bottle	UD.13145
UD.5566	Carrier	UD.13146
	Motor & Pump	CD.4885
	Filler Cap	CD.4886
UD.6131	Assy Heatshield (Phantom 5 only)	UE.34772
UD.4710)	Mounting bracket washer bottle (Phantom 5 only)	UE.34775
UD.4729)		
	Setscrew 2BA	UA.1501/Z
	Plain washer	X.4404/Z
	Nut 2BA	X.4006/Z

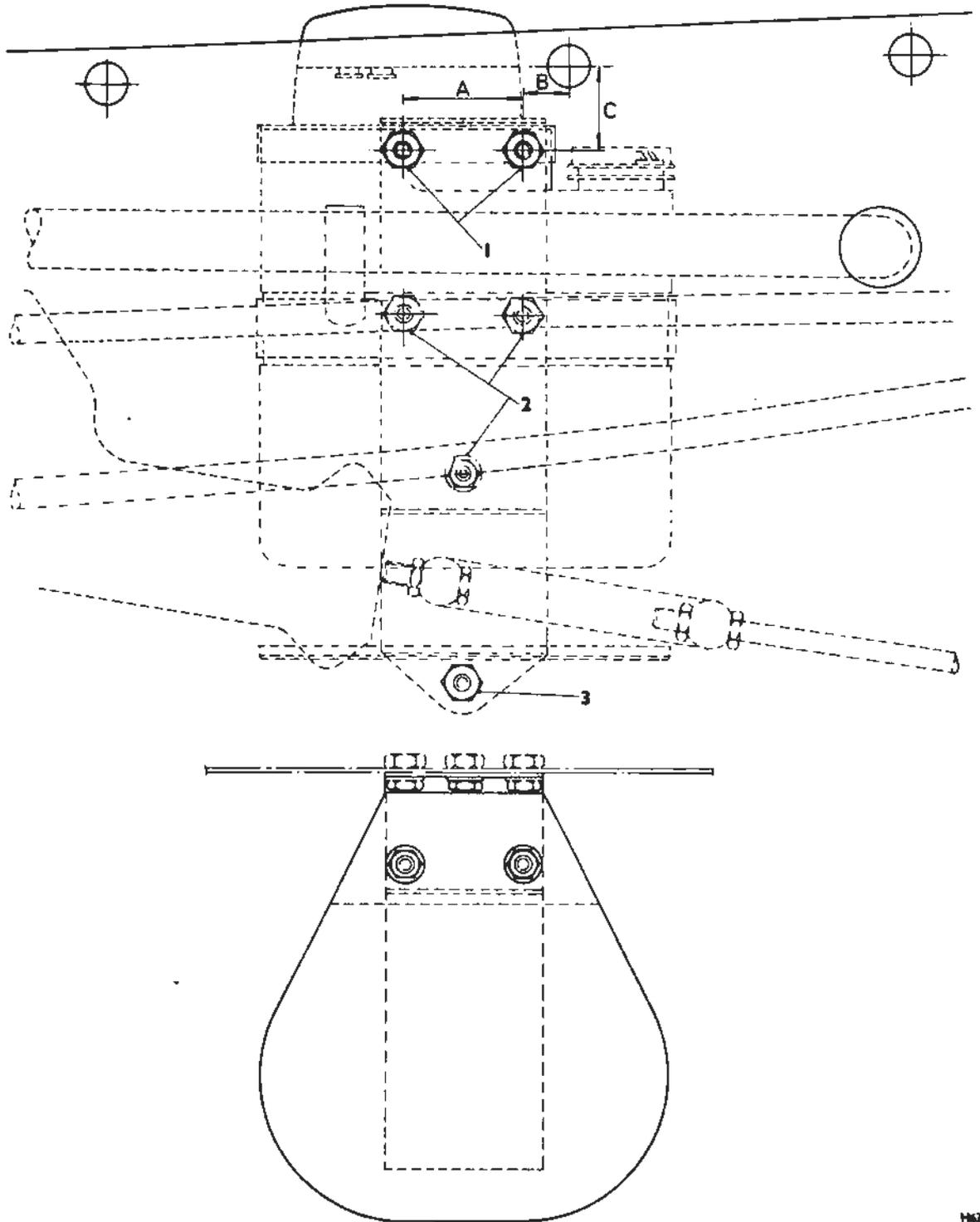
If it is required to fit the 5SJ type to Phantom 5 cars, the valance plate must be modified in accordance with Figure 1 on Page 2; the key to Figure 1 is shown below.

Key:           A 1.500 in.                           B 0.575 in.                           C 1.100 in.

- 1 Drill two holes 0.203 in. dia. in valance and use plain nuts  
(This is only necessary when the 5SJ type bottle is not fitted)
- 2 Existing weldnuts on Valance Plate
- 3 Lower fixing for Mounting Bracket uses existing 2 B.A. weldnut on Valance Plate

1. Re-issued to add further information

Cont...



**Fig.1 Mounting points for Lucas 5SJ Washer  
Bottle in Phantom 5 cars**

ELECTRICALLY OPERATED AERIAL

POST WAR CARS

The Bentley 'T' and Silver Shadow Electrically operated aerial is now being used for replacements of all those previously fitted on post war cars.

Part numbers of the kits are as follows:-

<u>Part Number</u>	<u>Description</u>
RH.2395	Electrically operated aerial (OFFside kit)
RH.2396	Electrically operated aerial (NEARside kit)

Orders to be placed as required.

3.M.47.

WINDSCREEN WASHERPHANTOM 5 (Canadian Cars)

The Delco type windscreen washer is now being fitted to Phantom 5 cars destined for Canada.

The part numbers are as follows:-

<u>DISPLACED</u>		<u>NEW</u>
UD.6152	Windscreen Washer	UD.9169
UD.5565	Bottle	-
UD.5566	Cage	-
UD.4710	Bracket Windscreen Washer	UD.9170
-	Assy. Mounting Clip, Windscreen Washer	UD.9171
UD.6131	Assy. Heatshield Windscreen Washer	UD.9174
-	Bracket Heatshield	UD.9177
-	Adaptor, Tube Windscreen Washer	UD.9178
-	Tube, Washer to Adaptor	UD.9179
UD.4825	Tube, Adaptor to jets	UD.9180

The following is the chassis number to which the above modification is fitted.

5 LVF 107 and subsequent Canadian cars.

WINDSCREEN WIPER MOTORS

BENTLEY S1, 2, 3: SILVER CLOUD I, II, III

Some windscreen wiper motors now being supplied for service replacement, will not be fitted with a thermal overload switch and will therefore have a five instead of six lead loom.

If the car to which the motor is to be fitted was originally wired for the overload switch, there will be a surplus blue cable in the wiper motor loom. This cable together with the green cable should be connected to the green cable in the motor loom.

If it is required to fit a motor fitted with an overload switch to a car not wired for an overload switch, the surplus blue cable should be taped back.

3.M.49.

BATTERY CABLES

BENTLEY S3 : SILVER CLOUD III

Supplies of the aluminium rod type battery cables can no longer be obtained and, when stocks are used up, the flexible cable used on the late S3 cars will be supplied.

Because of the increased flexibility, additional support on the frame will be necessary; the cable, together with the additional material required will be supplied in the form of a kit.

The additional drilling and method of attachment is shown in Figure 1, 2 and 3.

RH.2456 Kit 1 123" W/Base

RE.12204	Clip	5
UD.2139	Bush	6
K.4006/Z	Nut	5
K.4404/Z	Washer	5
UD.8978	Clip	1
K.153/Z	Screw	1
CS.31080/Z	Screw	1
RH.8172	Plate	1
UD.8974	Cable	1

RH.2457 Kit 2 127" W/Base

As kit 1 except

UD.8976	Cable	1
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Continued...

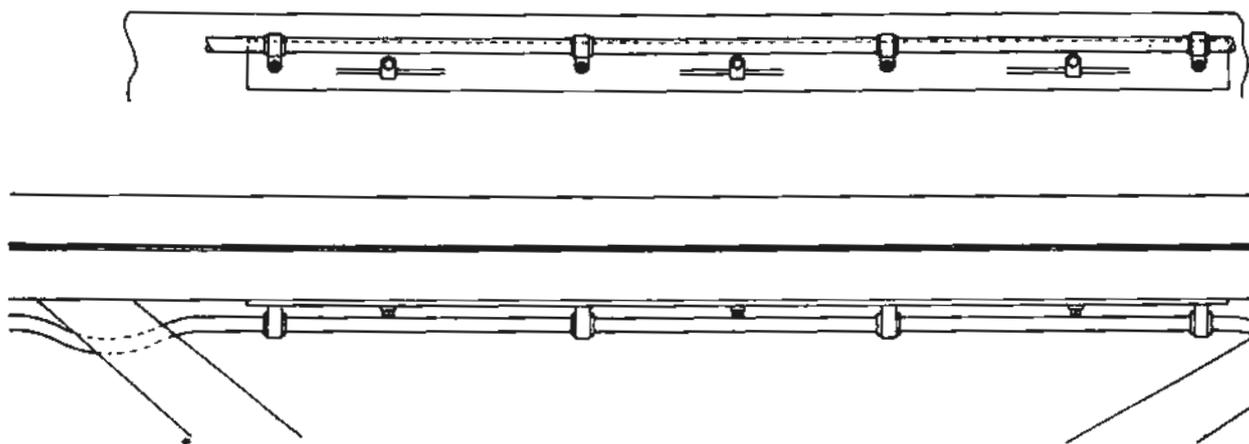


Figure 1

Remove the three existing cable and brake pipe clips from the studs on the frame side-member between the cruciform. Fit the mounting strip provided, onto the three studs; and mount the cable onto the four studs on the strip, with the clips and bushes provided.

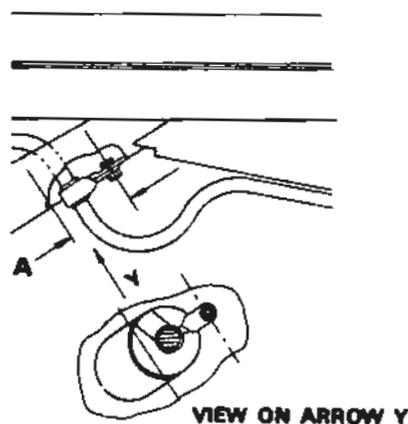


Figure 2

A - 2.375 in. (6,03 cm.)

Drill a 0.200 in. (0,508 mm.) diameter hole in the rear cruciform member as shown. Attach the cable with the clip provided.

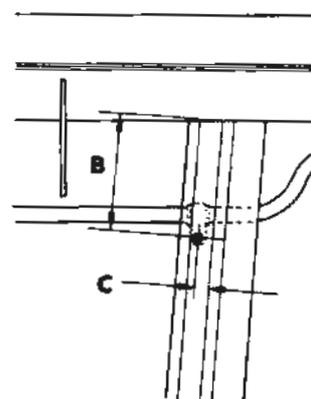


Figure 3

B - 4.250 in. (10,79 cm.)

C - 0.562 in. (14,28 mm.)

Drill a 0.161 in. (0,409 mm.) diameter hole in the underside of the rear cross-member. Attach the cable using the self tapping screws and clips provided.

Spares Information Sheet issued for  
BENTLEY S3. SILVER CLOUD III

Section M  
 Information Sheet No. 3.M.52  
 Page No. 1 of 1  
 Date 10 8 72

WINDSCREEN WIPER DR 3

The policy adopted for the permanent magnet windscreen wiper motor (See S.I. Sheet 4.L.89) has been extended to cover the DR 3 motor.

Only one motor and three shafts and gears are required to cover the whole of the S. Series range.

Piece numbers are as follows:-

Wiper Motor Only

For all S. Series cars CD 5720

Shaft and Gear Assembly

For Standard Bentley S.1 )  
 Silver Cloud I ) Use CD 5717

For Standard Bentley S2/3 )  
 Up to the following:- )  
 B-494-CN, BAL 6 ) Use CD 5717

Standard Silver Cloud II/III )  
 Up to the following:- )  
 SDW. CCL.1 )

For Standard Bentley S.3 )  
 From B-496-CN, BAL.8 )  
 Standard Silver Cloud ) Use CD 5718  
 From SDW.4, CCL.3 )

For Bentley S.1 Park Ward Continental cars use CD 5717  
 Bentley S.2/3 Park Ward Continental cars use CD 5717  
 Bentley S.1/2/3 Mulliner Continental cars use CD 5719

Cwt/KH

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# SECTION N

## STEERING

STEERING BOX MOUNTINGBENTLEY S3 SILVER CLOUD III PHANTOM 5

An improvement in the stability of the steering has been effected by fitting softer bushes in the steering box mounting bracket. The rear upper mounting bush on the mounting tube has also been decreased in length.

Until supplies of the new bushes are available the existing bushes are being modified by punching a series of holes in them. The rear upper mounting bush has also been shortened.

This is a production modification for S3/III series cars, but the new bushes can be used for all replacements on S2/II series cars, singly or in sets.

Part numbers are as follows:-

IntermediateDisplaced

UR.4208	Bush-Front Mounting-Mounting Arm
UR.4251	Bush-Mounting Tube-Upper and Lower
	Bush-Mounting Tube-Lower
	Bush-Mounting Tube-Upper

New

ZX.8684
ZX.8686
ZX.8685

Final

ZX.8684	Bush-Front Mounting-Mounting Arm
ZX.8686	Bush-Mounting Tube-Lower
ZX.8685	Bush-Mounting Tube-Upper

UR.8175
UR.8148
UR.8149

STEERING BOXBENTLEY S3, SILVER CLOUD III, PHANTOM 5

Air which is trapped in the steering box between the spool valve and the transfer gear casing has the effect of damping the spool valve action.

In order to reduce this effect, modifications have been made to make it possible to bleed the trapped air.

Grooves have been cut in the transfer driven gear bush and 2 3/16"holes drilled in the spool valve housing. Three blind holes have been let into the Belleville washer counter bores which have also been increased in depth slightly.

Finally an air bleed valve has been inserted in the rocking shaft top cover.

The bush and the spool valve housing are interchangeable and the new parts can be used for all replacements. Stocks of the old parts must, of course, be used up on all unmodified cars.

The rocking shaft covers differ only in that a hole has been drilled to take the bleed valve adaptor. This hole can be plugged and the new cover used for all replacements on S2.

Part numbers are as follows: -

<u>Displaced</u>		<u>New</u>
UR.4179	Assy - Bearing Housing - Gear Cover	UR.8132
UG.1648	Bush - Bearing Housing - (Part of UR.8132 Assy)	UR.8131
UR.5890	Assy - Valve Housing	UR.8112
UR.5932	Housing - Valve (Part of UR.8112 Assy)	UR.8100
	Adaptor - Bleed Screw - Steering Box Top Cover	UR.8099
UR.4215	Top Cover - Steering Box (LH Cars)	UR.8111
UR.4216	Top Cover - Steering Box (RH Cars)	UR.8110

Continued.

Sheet 1 re-issued to amend description of covers incorporating air bleed valve.

- 2 -

The plugged top covers will be supplied, under part numbers RH.2280 left hand and RH.2281 right hand.

The following existing parts will also be required:-

Dust Cap - Bleed Screw	UG.2427
Bleed Screw	UG.1175
Ball - Bleed Screw	UG.1181

The following are the chassis numbers of cars that incorporate the improved steering system.

Bentley S3 Standard Steel Cars

Chassis

B.410.CN, 420 onwards

Silver Cloud III Standard Steel Cars

Chassis

SCX.781 onwards

Bentley S3 Long Wheelbase

Chassis

BAL.8 onwards

- Silver Cloud III Long Wheelbase

Chassis

CBL.47 onwards

Continued.....



3. N. 2.

- 3 -

Bentley S3 Continental

Chassis

BC.152.XA onwards

Phantom 5

Chassis

5.VA.83 onwards

STEERING HOSEBENTLEY S3, SILVER CLOUD III, PHANTOM 5 LH CARS

In order to eliminate the possibility of a foul between the ram feed hose, and the rear cylinder head mounting boss on LH cars, the hose has been re-routed.

The run is from the ram to the steering box mounting arm, where it is clipped to the existing valve supply hose. It is also clipped to the steering box before being finally screwed into the banjo connection, which has been swiveled through 180°.

The revised run has necessitated the fitting of a heat shield to the steering box mounting arm, which has been modified by drilling two additional .218 diameter mounting holes.

Part numbers are as follows :-

<u>Displaced</u>	<u>New</u>
Assy - Heat - Shield - Steering Hose	UR. 8261
Clip - Ram Feed Hose to Mounting Arm	UR. 8257
Clip - Ram Feed Hose to Steering Box	UR. 8258
Setscrew - Heat Shield - Mounting Arm	KC. 153/Z
Washer - Heat Shield - Mounting Arm	K. 440/Z
Nut - Heat Shield - Mounting Arm	K. 4006/Z
Setscrew - Clip - Mounting Arm	KC. 170/Z
Washer - Clip - Mounting Arm	K. 4401/Z
Nut - Clip - Mounting Arm	K. 4406/Z

The following are the chassis numbers of cars that incorporate the re-routed ram feed hose and the additional heat shield :-

'D' SeriesBentley S3 (Standard Steel Cars LH)Chassis

B. 30. LDF onwards on LH Cars.

- 2 -

'E' Series

Silver Cloud III (Standard Steel Cars LH)

Chassis

LSEV. 71 onwards on LH Cars.

'A' Series

Bentley S3 (Long Wheelbase Cars LH)

Chassis

LBAL. 14 onwards on LH Cars.

'C' Series

Silver Cloud III (Long Wheelbase Cars LH)

Chassis

L. CCL. 51 onwards on LH Cars

'B' Series

Bentley S3 Continental LH Cars

Chassis

BC. 12. LXB onwards on LH Cars

'B' Series

Phantom 5 LH

Chassis

5. LVB. 19 onwards on LH Cars.

STEERING

BENTLEY S3 SILVER CLOUD III PHANTOM 5 RH CARS

The power steering pump adaptor UR.3186, illustrated in the S3/III Parts List, Group H9/1, Item 30 is applicable to LH cars only, and not all cars as shown.

3.N.5.

STEERING

BENTLEY S3 SILVER CLOUD III PHANTOM 5 RH CARS

There has been a change of part number for the clip which retains the steering pump valve supply hose to the front pan on RH cars.

The clip is located in the S3 Parts List, Group H9/1. Item 32.

Use only UD.3250 for this application. RE.23846 is still used on other applications

Displaced

New

RE.23846 Clip - Valve Supply Hose - Front Pan

UD.3250

STEERINGBENTLEY S.3. SILVER CLOUD III PHANTOM 5

A modification is now being fitted on production to eliminate the cases of judder which occasionally occur.

The modification consists essentially of changing the position of the front hose connection in the power cylinder head to the present bleed valve connection. The bleed valve itself is no longer required.

The bolts, securing the two power cylinder hoses to the steering pump, have been replaced by the restricted type introduced on Information Sheet 2.N.7. When stocks have been used up the new bolt will be supplied for replacements on all cars including S.1 and S.2.

The 90° elbow is dispensed with and the new hose fitted with a banjo connection in place of a nut; the banjo bolt screws into the original bleed valve connection. A special service scheme has been issued on Service Bulletin S3/N.1. This makes use of the existing hose by using a special banjo connection, and the power cylinder by plugging the front hose connection hole.

Piece Numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UR.8016	Assy, Power Cylinder, R.H.	UR.8722
UR.8010	Sub Assy, Power Cylinder, R.H. (Part of UR.8016).	UR.8720
UR.8017	Assy, Power Cylinder, L.H.	UR.8721
UR.8009	Sub Assy, Power Cylinder, L.H. (Part of UR.8017)	UR.8719
UR.2547	Elbow, 90°	
UR.5011	Assy, Hose, Front. Valve to Ram, L.H. (This is the valve to ram, rear hose, on R.H. cars and does not change).	UR.8713
UR.4824	Assy, Hose, Front. Valve to Ram, R.H.	UR.8753
	Banjo connection (Part of UR.8713 & UR.8753).	UR.8714
	Bolt, Banjo to Ram.	UR.8715
	Washer, Bolt, Upper.	UR.8716
	Washer, Bolt, Lower.	UR.8717
	Banjo, (Special Service).	UR.8732
	Plug, (Special Service).	UR.8718
UE.2354	Bolt, Banjo.	UR.5972

STEERING

BENTLEY S.3 SILVER CLOUD III PHANTOM 5

The following are the chassis numbers on which the above modification is incorporated:-

'G' Series

Bentley S.3 Standard Steel Cars

B-222-FG onwards

'B' Series

Bentley S3 Long Wheelbase

BBL 8 onwards

'C' Series

Bentley S.3 Continental

BC-158-XC onwards

'G' Series

Silver Cloud III Standard Steel Cars

SGT.399 onwards

'E' Series

Silver Cloud Long Wheelbase

CEL 11 onwards

'D' Series

Phantom 5

5 VD 23 onwards

STEERINGBENTLEY S3. SILVER CLOUD III, PHANTOM 5

The range of adjusting washers in the steering box and valve housing has been increased.

The existing adjusting washers S3 Parts List, Page H5, and Page H5/1 are still required.

This is a production modification for S3/III Series cars but the new washers can be used on S1 and S2/II Series cars.

The full range of washers including the new and existing types are as follows:-

Adjusting Washer - .060-1 thick	UR.3515
" " - .062-1 "	UR.3516
" " - .064-1 "	UR.3517
" " - .0645 "	UR.8059
" " - .065 "	UR.8060
" " - .0655 "	UR.8061
" " - .066- $\frac{1}{2}$ "	UR.3518
" " - .0665 "	UR.8062
" " - .067 "	UR.8063
" " - .0675 "	UR.8064
" " - .068- $\frac{1}{2}$ "	UR.3519
" " - .0685 "	UR.8065
" " - .069 "	UR.8066
" " - .0695 "	UR.8067
" " - .070- $\frac{1}{2}$ "	UR.3520
" " - .0705 "	UR.8068
" " - .071 "	UR.8069
" " - .0715 "	UR.8070
" " - .072- $\frac{1}{2}$ "	UR.3521
" " - .0725 "	UR.8071
" " - .073 "	UR.8072
" " - .0735 "	UR.8073
" " - .074- $\frac{1}{2}$ "	UR.3522
" " - .0745 "	UR.8074
" " - .075 "	UR.8075
" " - .0755 "	UR.8076
" " - .076- $\frac{1}{2}$ "	UR.3523
" " - .0765 "	UR.8177

3.N.7.

Adjusting Washer	- .077	thick	UR.8178	
"	"	- .0775	"	UR.8179
"	"	- .078	"	UR.3524
"	"	- .0785	"	UR.8180
"	"	- .079	"	UR.8181
"	"	- .0795	"	UR.8182
"	"	- .080	"	UR.3525
"	"	- .0805	"	UR.8183
"	"	- .081	"	UR.8184
"	"	- .0815	"	UR.8185
"	"	- .082	"	UR.3526
"	"	- .0825	"	UR.8186
"	"	- .083	"	UR.8187
"	"	- .0835	"	UR.8188
"	"	- .084	"	UR.3527
"	"	- .0845	"	UR.8189
"	"	- .085	"	UR.8190
"	"	- .0855	"	UR.8191
"	"	- .086	"	UR.3528
"	"	- .095	"	UR.3269

ROLLS-ACROSS

Q/KH.

8.5.64

3.N.8.

STEERING BOX

BENTLEY S3 SILVER CLOUD III PHANTOM 5

An improved type of spool valve housing is now being fitted.

In this the five shrunk in collars have been replaced by a single sleeve.

A modified spool valve is necessitated by the housing changes.

None of the parts concerned are supplied separately and this information is issued for record purposes only.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UR.8112	Assy valve housing	UR.8752
UR.5929	Collar)	
UR.5930	Collar)	UR.8751
UR.5931	Collar)	
UR.5647	Valve	UR.8749

STEERING BOX

BENTLEY S3 SILVER CLOUD III PHANTOM 5

The following are chassis numbers of cars that incorporate the modified spool valve.

'F' Series

Bentley S3 Standard Steel Cars

B 116 FG and onwards

'B' Series

Bentley S3 Long Wheelbase Cars

BBL 8 and onwards

'G' Series

Silver Cloud III Standard Steel Cars

SGT 195 and onwards

'D' Series

Silver Cloud III Long Wheelbase Cars

CDL 83 and onwards

'C' Series

Bentley Continental S3

BC 156 XC and onwards

'D' Series

Phantom 5

5 VD 7 and onwards

STEERING HOSES

BENTLEY S3 SILVER CLOUD III PHANTOM 5

In order to eliminate tight bends in the steering hoses, and to obviate any fouls they have been re-routed.

On RH cars the front ram feed hose is now routed over the rocking shaft cover and down the front of the steering box where it is clipped to the valve supply hose with a double clip. This is retained in position by the top outer steering box cover nut. The revised run necessitates the use of a spacer under the banjo and this in turn necessitates the use of an additional sealing ring to ensure that the attitude of the hose is correct.

Additional clearance between the hose and the handbrake cable has been achieved by repositioning the upper cable pulley on its mounting bracket and this necessitates the introduction of a longer handbrake cable.

The three hoses which pass over the RH front shock damper have been raised to eliminate a foul between the hoses and the upper triangle lever rear arm.

The revised run of the ram feed hose, on LH cars, necessitated by the introduction of the Heat Shield (Inf. Sheet 3.N.3) caused a foul with the valance window and created a sharp bend where it emerged from the end fitting. The hose has therefore been re-routed down the front of the steering box where it is clipped to the lower outer steering box cover stud, and then passes parallel and above the expansible hose to which it is retained by a double clip. This is held in position by the forward 2 BA bolt which attaches the heat shield to the mounting arm.

The spacer and the sealing ring as fitted to RH cars are also required for the hose banjo.

The incorporating of the spacer necessitates the introduction of a longer banjo bolt on both LH and RH cars.

Continued.....

Parts are not interchangeable unless stated and numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UR.5972 ) UE.2354 )	Bolt - Banjo - Valve to Ram	UR.8700
	Spacer - Banjo	UR.8702
UR.5961 UR.5016	Assy - Hose - Valve Supply (RH Cars) I/C Clip - Ram Feed and Valve Supply Hose (RH Cars)	UR.8699 UR.8703
UG.4282 UG.4283 UR.8257	Assy - Rear Handbrake Cable (RH Cars) I/C Bracket - Handbrake Pulley (RH Cars) Clip - Steering Hoses - Mounting Arm (LH Cars) I/C	UG.4634 UG.4635 UR.8701

The following existing parts will be required:-

UR.5011	Assy - Hose - Valve to Ram (LH Cars)	UR.4825
	Sealing Ring - Banjo - Spacer	UE.2514
UR.8258	Clip - Hose to Steering Box (LH Cars)	UR.8665
	Clip - Hose - RH Damper (RH Cars)	UR.3430

STEERING HOSES

BENTLEY S3 SILVER CLOUD III PHANTOM 5.

The following are chassis numbers that incorporate the re-routed steering hoses.

F Series

Bentley S3 Standard Steel Cars

B.348 FG and onwards

B Series

Bentley S3 Long Wheel Base Cars

BBL.10 and onwards

H Series

Silver Cloud III Standard Steel Cars

SHS 103 and onwards

E Series

Silver Cloud III Long Wheel Base Cars

CEL.17 and onwards

C Series

Bentley S3 Continental

BC 182 XC and onwards

D Series

Phantom 5

5 VD.41 onwards less 45

**SECTION P**

**CHASSIS FRAME**

# SECTION Q

## EXHAUST SYSTEM

EXHAUST SYSTEM

BENTLEY S3, SILVER CLOUD III, BENTLEY S3 CONTINENTAL

In order to prevent the exhaust tail pipe being dislodged from its mounting bracket a stronger type of earthing strip is being fitted which also serves the purpose of a stay.

It is attached at the rear of the mounting bracket instead of the front.

The new earthing strip can be used for all replacements.

Part numbers are as follows :-

Displaced

UD.8614 Earthing Strip - Exhaust  
KC.171/Z Setscrew - Earth Strip - Exhaust  
K.4404/Z Plain - Washer - Earth Strip  
K.4006/Z Nut - Earth Strip

New

UR.8263  
UA.102/Z  
UA.125 1/2 Z  
UA.301/Z

3.Q.2.

Issue. 2.

EXHAUST MANIFOLD HEAT-SHIELD

BENTLEY S3. SILVER CLOUD III. PHANTOM V

A heat-shield is now being fitted to the RH exhaust manifold to protect the brake fluid hoses and reservoirs and refrigeration suction hose from direct manifold heat.

The heat-shield is mounted at its ends by two elongated exhaust manifold nuts.

Part numbers are as follows:-

	<u>New</u>
Heat-shield, RH manifold	UE.30316
Nut manifold front	UE.30317
Nut manifold rear	UE.31290
Plain washer. Heat-shield	UA.2053/Z
Setscrew, Heat-shield	UA.153/Z

This is a production modification to S3/III series cars but the above parts can be fitted to S2/II Series.

Re-issued - to incorporate production change.

EXHAUST MANIFOLD HEAT-SHIELD

BENTLEY S3. SILVER CLOUD III PHANTOM V

The following are chassis numbers at which the above modification commenced.

'E' Series

Bentley S3 Standard Steel Cars

B 210 EC and onwards

'A' Series

Bentley S3 (Long Wheelbase)

BAL 18 and onwards

'C' Series

Bentley S3 Continental

BC 112. XC 116 and onwards

'F' Series

Silver Cloud III Standard Steel Cars

SFU 157 and onwards

'C' Series

Silver Cloud III (Long Wheelbase)

CCL 95. 99. 101

'D' Series

CDL 5, 15 and onwards

'C' Series

Phantom V

5 VC 5 and onwards.

## EXHAUST SYSTEM

### PHANTOM 5

An exhaust system, similar to the one already in use on S.3. cars, is now being fitted to Phantom 5.

Component parts other than connecting pipes, are all in stainless steel.

Robinson type suspension points are used in place of the present canvas reinforced rubber strips.

It has been necessary to make several changes to the chassis frame to accommodate the new type mounting brackets.

None of the parts are interchangeable individually. It would, of course, be possible to fit the complete new exhaust system provided the fairly extensive frame modifications were made.

A special service only frame has been produced which can be used on cars with either type of exhaust system.

Piece Numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UR.8252	Frame Assembly	RH.7563
UE.8864	Front silencer assembly	UR.8158
UE.8863	Rear silencer assembly	UR.8163
	Distance piece	UR.8557
UE.7625	Damping box and rear pipe assembly	UR.8404
UE.3499	Downtake pipe assembly RH	UR.5903
UE.3416	Downtake pipe assembly LH	UR.5638

Remainder of parts are the same as for S.3. as shown in Spares Schedule Group N.3. etc.

The following are the chassis numbers of cars which incorporate the stainless steel exhaust system:-

#### C' Series

Chassis 5.BC.17 onwards

# SECTION R

## WHEELS AND TYRES

WHEEL DISC

BENTLEY S.3. SILVER CLOUD III, PHANTOM 5

Stainless steel wheel discs are now being fitted.

Apart from the obvious difference in appearance the discs are interchangeable.

Although a production modification for S3, III series cars, the new wheel discs can be used for replacement sets on S2/II or S1 series cars.

Parts numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UG.1564	Assy - Wheel Disc & Claw Ring (Rolls-Royce)	UG.4363
UG.1565	Assy - Wheel Disc & Claw Ring (Bentley)	UG.4364

The following are chassis numbers at which the above modification commenced

'C' Series  
Bentley S3

Chassis B304CN, 366, 368, 374, 384, 388, 392, 398, 404, onwards

'A' Series  
Bentley S3. LWB

Chassis BAL 8, onwards

'A' Series  
Bentley S3 Continental

Chassis BC 144 XA onwards'

'C' Series  
Silver Cloud III

Chassis SCX 677, 685, 687, 691, 695, 699, 705 onwards  
less SCX 707, 721, 723, 727, 751.

Issue 2.  
3.R.1.

'B' Series  
Silver Cloud III L.W.B.

Chassis CBL 41 and onwards  
less CBL 51

'A' Series  
Phantom 5

Chassis 5.VA.89 onwards

(1) Re-issued to add Chassis No's.



3.R.3.

WHEEL DISCS

BENTLEY S3 SILVER CLOUD III

Accumulated tolerance, on the earlier cars fitted with wider rear wheels, (Information Sheet 3.R.2), can result in an excessive gap between the wheel rim and the picture disc edge.

Should this trouble occur when replacement discs are being fitted a special one is available to overcome the trouble.

Piece numbers are:-

UG.4643	Bentley
UG.4642	Silver Cloud

In order to avoid any possible confusion, rear wheel discs, on cars liable to this complaint, are marked 'REAR'.

# SECTION S

## BODY

REAR VIEW MIRROR  
BENTLEY S.3. SILVER CLOUD III

In order to meet the requirement of a small number of customers a dipping, anti-dazzle rear view capping rail mirror is now available.

Piece number of the alternative mirror is UB.5109 in place of UB.3639.

New wing and door vent mirrors of improved appearance and design are also being fitted. These are obtainable in either flat or convex glass, whereas the original mirrors were only available in convex glass.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UD.4597	Rear View Mirror - Window Vent - LH (Convex Glass)	UB.5227
	Rear View Mirror - Window Vent - LH (Flat Glass)	UB.5223
UD.4598	Rear View Mirror - Window Vent - RH (Convex Glass)	UB.5226
	Rear View Mirror - Window Vent - RH (Flat Glass)	UB.5222
UD.4597	Rear View Mirror - Front Wing - RH (Convex Glass)	UB.5224
UD.4598	Rear View Mirror - Front Wing - LH (Convex Glass)	UB.5224
	Rear View Mirror - Front Wings - RH & LH (Flat Glass)	UB.5225

The following existing part will also be required:-

Reach Nut - Mirror - Window Vent UB.3034

The displaced parts were used for both vents and wings only the hands were reversed.

In the case of the new mirror, special ones are required for the wings and vents. The wing mirror is reversible the same one being used on both sides.

This is a production modification for S3/III series cars, but the new mirrors can be fitted to S2/II series cars at customers request.

(i) The new mirrors instructed on Spares Information Sheet 3.S.1. were never fitted. The original issue is therefore cancelled.

CAPPING RAIL

BENTLEY S.3. SILVER CLOUD III

The styling of the capping rail ashtrays has been improved and new piece numbers have been issued. Parts are interchangeable.

<u>Old Piece Number</u>	<u>Title</u>	<u>New Piece No</u>
UB. 3844	Ashtray	UB. 5143

BOOT LID INSIGNIA

BENTLEY S3 SILVER CLOUD III BENTLEY S3 CONTINENTAL

Boot Lid insignia are now being fitted to all present production cars with the exception of Phantom V.

Piece numbers are as follows:-

Boot Lid Insignia - Bentley	UB.5174
Boot Lid Insignia - Rolls-Royce	UB.5175
Washer - Boot Lid Insignia	UB.5152
Speed Nut - Boot Lid Insignia	UB.5162

The following existing part is also required:-

Grommet	UD.2136
---------	---------

FRONT WING

BENTLEY S.3. SILVER CLOUD III

An additional rubber compression pad is now being fitted under the front wing about twelve inches to the rear on the headlamp centre line.

The pad is compressed by a screw working in an additional stay welded to the headlamp pocket and the existing wing stay.

Parts are :

Compression block	UB.1597
Locknut	UA.35i/Z
Screw	UA.4405/Z

RADIO LOUDSPEAKER

BENTLEY S3 SILVER CLOUD III PHANTOM 5

An improved type of radio loudspeaker is now being fitted and it can be used as a replacement for all applications including S2/11.

When used for the front speaker on standard steel cars the new mounting board UW.2779 must also be supplied.

The new speaker is fitted with the Lucar type connections and it will therefore be necessary to solder Lucar type connections on the cable ends in place of the existing cable eyes.

Displaced

UW.2143  
UD.3670

Mounting Board  
Speaker  
Lucar connection

New

UW.2779  
UD.8345  
UD.5406

ASHTRAY

BENTLEY S. 3. SILVER CLOUD III

The length of the screws, which retain the ashtrays to the capping rail, have been increased.

It is intended that the screws will eventually be of the Philip type head but until they are available countersunk head screws will be used.

Intermediate

Displaced

New

UA.8123/Z - Screw - Ashtray - Capping Rail

CS.31122/Z

Final

CS.31122/Z - Screw - Ashtray - Capping Rail

UB.5164

HEADLAMP FAIRING

BENTLEY S.3. SILVER CLOUD III

Until recently the headlamp fairing seal took the form of a 3/16" round section rubber strip which was stuck into a channel formed in the rim of the fairing.

The channel has been dispensed with and a 'd' section seal is now stuck directly to the fairing rim.

The new seal can be used for all replacements. If it is required for a channel type fairing assembly then it is a simple matter to cut off the surplus material.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UB. 3993	Seal fairing to pocket	UB. 5178

There is no change in the piece number of the fairing assembly UB. 3948.

FRONT SEATS

BENTLEY S3 SILVER CLOUD III MULLINER COUPE

123" WHEELBASE

In order to reduce the effort required when folding the front seats of Mulliner Coupe 123" Wheelbase cars, new hinges having an angular pivot arm are now being fitted.

The hinges are interchangeable in pairs and part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UW.2663	Assy - Seat Back - LH	UW.2807
UW.2662	Assy - Seat Back - RH	UW.2806
UB.3633	Hinge - Outer - Seat Back - LH	UB.5215 *
UB.3946	Hinge - Inner - Seat Back - LH	UB.5218 *
UB.3632	Hinge - Outer - Seat Back - RH	UB.5214 *
UB.3947	Hinge - Inner - Seat Back - RH	UB.5219 *

Parts prefixed thus \* are part of UW.2807 or UW.2806 assys.

FRONT SEATBENTLEY S.3. SILVER CLOUD III

The split pins and washers formerly used on the front seat quadrant swivel pins, are no longer fitted and the split pin hole in the pins has therefore been deleted.

The parts concerned are shown in the S2/II and S3/III Spares Schedule, Page N31/32 and P31, respectively, Items 11, 17 and 18.

The new pin can be used for all replacements when stocks have been used up.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UB.2009	Pin - Swivel - Front Seat Quadrant	UB.5220
K.4602/Z	Pin - Split - Swivel Pin	
UA.1251/Z	Washer - Plain - Swivel Pin	

FRONT WINGS

BENTLEY S3, SILVER CLOUD III

The joints between the headlamp pocket and the wing and the headlamp pocket backplate are treated against corrosion before assembly.

As an additional precaution, when replacement wings are supplied, it is recommended that Bostik Sealing Compound No. 1222 be applied on both sides of the wing to the pocket joint and on the front side of the backplate joint. The complete wing should then be undersealed in the normal way.

WINDSCREEN WIPER STOPSBENTLEY S3, SILVER CLOUD III, STANDARD & L W.B.

Stops to provide positive parking for windscreen wiper blades in all conditions of wipe are now being fitted.

In order to provide the correct conditions it has been necessary to change the angle of wipe slightly and also modify the wiper arms.

Local modifications have been made to provide a sealing for the stops.

Neither the wiper motors or the blades are interchangeable.

Part number are as follows :-

<u>Displaced</u>		<u>New</u>
	Assy, Stop and Cap. Windscreen Wiper	UB. 5144
	Rubber Cap, Stop	UB 5142 *
	Stop	UB. 5132 *
	Insert, Stop	UB. 5133 *
	Rubber Washer, Stop	UB. 5134
	Washer, Stop	RE. 4790
	Nut, Stop	UA. 301/Z
UB. 8125	Windscreen Wiper Motor	UD. 8624
UD. 4690 )		
UD. 1490.)	Wiper Arm	UD. 8622

Parts marked \* are part of UB. 5144.

The following are the chassis numbers of cars that incorporate the windscreen wiper stops :-

BENTLEY S3 (Standard Steel Cars)  
'C' Series

Chassis

B. 496. L. CN onwards.

(1) Sheet 1 re-issued to amend part number UA. 1251/Z to RE. 4790

- 2 -

Silver Cloud III (Standard Steel Cars)

'D' Series

Chassis

L.SDW.43 onwards

Bentley S3 (Long Wheelbase)

'A' Series

Chassis

BAL.8 onwards

Silver Cloud III (Long Wheelbase)

'C' Series

Chassis

CCL.3,7 onwards

FRONT DOORS

BENTLEY S3, SILVER CLOUD III

In order to facilitate the location of the vent frame to the car body, the vent frame front support channels have been modified by bending the channels inwards in the region of the lower mounting hole.

This has the effect of handing the channels and a new part number has therefore been raised for the right hand vent frame channel. The original channel which was common to right and left hand vent frames is now applicable to the left hand vent frame only, and retains its original piece number UB.1168. This is located in the S3 Spare Parts Schedule, Page P.4. Item 9.

The part number of the right hand support channel is UB.5246.

This is a production modification for S3/III Series cars but the new and the modified channels can be used for replacements on S1 Series cars and onwards.

BUMPER FAIRING PANEL

BENTLEY S3

In order to facilitate the location of the front bumper fairing inner panel, the 4 elongated slots which mount the panel to the radiator, have been replaced with 4, .500 diameter holes.

The introduction of the modified panel necessitates new mounting washers of increased outside diameter, but until supplies of these are available a existing heavy washer is being used in conjunction with a standard .250 washer.

The fairing inner panel retains its original piece number of 373/473.

Part numbers of the washers are as follows :-

Intermediate

Displaced

New

UA.1251/Z Washer - .250 - Panel - Inner - Bumper  
Fairing  
Washer - Heavy - Panel - Inner - Front  
Bumper Fairing  
Washer - .250 - Panel - Inner - Front  
Bumper Fairing

UA.6102/Z

KB.3905/Z

Final

UA.6102/Z Washer - Heavy - Panel - Inner - Front  
Bumper Fairing  
KB.3905/E Washer - .250 - Panel - Inner - Front  
Bumper Fairing  
Washer - Panel - Inner - Front Bumper  
Fairing

UB.5238

BUMPER OVERRIDERS

BENTLEY S3, SILVER CLOUD III, PHANTOM V

In order to assist in the ordering of bumper overrides for S3/III series cars, other than those destined for North America, the relative position of the overrides is as viewed from the driving position, and not as shown in the S3 Parts List, which will be amended in the near future.

Part Numbers are as follows:-

Assy - Override, RH Front, LH Rear	UR. 5392
Assy - Override, LH Front, RH Rear	UR. 5393

TOOL TRAY MOULDING

BENTLEY S3 SILVER CLOUD III, PHANTOM 5.

With the introduction of the Lucas Distributor on S3/III series cars, the contact point adjusting spanner which was used with the Delco Remy Distributor on S2/II Series cars, is no longer required and has therefore, been deleted from the tool kit.

In consequence the tool tray moulding has been modified by eliminating the spanner cavity.

Due to manufacturing difficulties it is regretted that both types of mouldings cannot be perpetuated, and when stocks of the original mouldings have been used up, the modified type only will be supplied for all replacements.

The tool tray moulding retains its original part number, UR.5482.

3.S.16.

BOOT LID INSIGNIA

BENTLEY S3 SILVER CLOUD III BENTLEY S3 CONTINENTAL

Further to the introduction of Spares Information Sheet 3.S.3. the Boot Lid Insignia will be fitted on cars destined for the U.S.A. at customers request only.

CAPPING RAIL SCREWBENTLEY S3 SILVER CLOUD III

The Phillips recessed head screw which retains the front edge strips to the capping rail, has been replaced with a counter sunk head screw. The screw is located in the S3 Parts List, Page P26, Item 127.

Screws are interchangeable, and part numbers are as follows :-

<u>Displaced</u>		<u>New</u>
UB.5128	Screw - Strip - Front Edge Capping Rail	CS.31101/Z

DOOR SEALS

BENTLEY S.3. SILVER CLOUD III

Door sealing strips in a modified section are now being fitted.

Two mouldings, only, in the modified section replace the several formerly used in each door aperture.

One of these strips fits completely round each aperture with the exception of the corner between the 'A' post and sill on the front door, and the 'C' post and sill on the rear door. The other strip fits into these corners.

New adhesive and primer in 1/2 pint tins is available. The use of these is considered to be essential.

Parts numbers are as follows :-

UB.5085	-	Seal Front Door LH
UB.5086	-	Seal Front Door RH
UB.5087	-	Seal Rear Door LH ) Std
UB.5088	-	Seal Rear Door RH ) Cars
UB.5089	-	Seal 'C' Post to Sill LH
UB.5090	-	Seal 'C' Post to Sill RH
UB.5091	-	Seal 'A' Post to Sill LH
UB.5092	-	Seal 'A' Post to Sill RH
UB.5093	-	Seal Rear Door LH ) LWB
UB.5094	-	Seal Rear Door RH ) Cars
UB.5264	-	Packing Seals
Gl.227	-	Primer Ref. No. 758 MG. (Dunlop)
Gl.228	-	Adhesive Ref. No. 5691 (Dunlop)
UB.3723	-	Filler Piece

The following seals will no longer be used - UB.3710 - 22.

The modified door seals were introduced on the following chassis numbers :-

- 2 -

SDW.327	B.648.CN	)	and onwards
CCL.25	BAL.10	)	

1. Re-issued to amend Part Number of Primer and Adhesive and amend 1 gallon and 1 qt tins to 1/2 pints for both adhesive and primer.

3.S.19.

### REAR BACKLIGHT GLASS

#### BENTLEY S3. SILVER CLOUD III

An improved type of heated rear window glass is now being fitted.

The wiring leads are in a different position. Instead of both of these emerging centrally, there is one at each end of the glass. The ends are fitted with nipple connectors in place of terminal tags or Lucar connector.

When stocks of the original backlight glasses have been used up, the new type only will be supplied for spares replacements.

To fit the new glass as a replacement in S1/2 and early S3/III series cars it will be necessary to drill two .1875 (4.7625 M/M) diameter holes in the window frame for the repositioned leads. When drilling these holes care should be taken with the angle of entry of the drill to avoid fouling the body portion immediately at the rear of the window. The location of these holes can be obtained by offering the new glass up to the window frame and then by marking the position of the leads on the frame.

The original slots for the leads should be blanked off with sealing tape before fitting the glass.

Two additional cables and alternative cable ends are also supplied.

On cars fitted with a parcel shelf switch the black cable which is complete with nipple and cable eye should be connected to the window glass earth terminal (right hand side of glass when sitting in the rear seat). The other end should then be connected to the existing earth point.

The spade type terminal should be fixed to the bare end of the purple and black cable supplied; this terminal should be connected to the switch feed terminal. The other should be connected to the feed wire on the glass.

On later cars with a facia switch the black earth cable is connected as previously.

Continued....

- 2 -

The Lucar terminal supplied, is fixed to the bare end of the purple and black cable; this end is connected to the purple and black cable in the loom.

All new wires should be taped to the existing loom. Special clips have been supplied so that the snap connector can be supported on the reinforcement strip flange.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UB.3526	Rear Backlight Glass	UB.5259
UB.3669	Rear Backlight Glass (Sundym)	UB.5260
UD.8744	Assy - Loom - Boot (Long Wheelbase Cars)	UD.8768
UD.8245	Assy - Loom - Boot (Standard Cars)	UD.8767
UW.1056	Stop - Boot Lid - Torsion Bar	
CS.31344/Z	Screw - Stop	
	Clip - Cable - Boot Loom	UD.8766

When installing the new rear window glass in earlier cars, the following assemblies, which include the glass will be required:-

- RH.2316 Rear Window Glass Kit
- RH.2317 Rear Window Glass Kit (Sundym)

REAR BACKLIGHT GLASS

BENTLEY S3 SILVER CLOUD III

The following are the chassis numbers of cars which incorporate the improved type of heated rear window glass.

'D' Series

Bentley S3 Standard Steel Cars

B.126.DF and onwards.

'A' Series

Bentley S3 Long Wheelbase Cars

BAL 16 and onwards

'E' Series

Silver Cloud III Standard Steel Cars

SEV 229 and onwards.

'C' Series

Silver Cloud III Long Wheelbase Cars

CCL 55 and onwards

SAFETY BELTS

BENTLEY S3 SILVER CLOUD III

Safety belts with single bolt anchorages for both front and rear seats are now being fitted at Customers request.

Either the lap or lap/diagonal type of belt can be supplied; the front lap/diagonal belts include an adjuster buckle.

The introduction of lap/diagonal belts on the rear seats necessitates a modification to the parcel tray to enable two anchorage points to be fitted; new type floor reinforcement channels of stronger section are fitted and the rear floor heatshield on refrigerated cars has been modified slightly. The anchorage positioning on the BC post has also been lowered three inches. In order to provide a neat safety belt stowage, clips are fitted to the BC post and above the rear outer arm rests.

Part numbers are as follows :-

<u>Displaced</u>		<u>New</u>
	Assy Anchor plate, Parcel Shelf	UB. 3847
UB. 3853	Assy Reinforcement Channel Rear Seat LH )	
UB. 3854	Assy Reinforcement Channel Rear Seat RH )	UB. 4125
UB. 3850	Assy Reinforcement Channel Rear Seat Inner )	
UB. 2694	Assy Heat Shield, Rear Floor (Refrig. Cars only)	UB. 4171
	Clip - Stowage - Safety Belts	UB. 5230
	Block Clip Stowage	UB. 5231
	Leather, Block Stowage	UW. 2808
	Screw, Block to BC Post - Trim Panel	UA. 8023/Z
	Screw, Block to D Post	UA. 8022/Z
UB. 3664	Front Safety Belt, Lap/Diagonal ) Alternatives	UB. 5111
UB. 2656	Front Safety Belt, Lap )	UB. 5112
UB. 2712	(Rear Safety Belt, Lap/Diagonal ) Alternatives	UB. 5113
	(Rear Safety Belt, Lap )	UB. 5114
	Assy Anchor plate Inner )	UB. 3845
	Assy Anchor Plate Outer ) Standard and LWB Cars	UB. 3847

## Displaced

## New

One Inner and One Outer  
Req'd per seat (Front  
Seats only)

## Assy Anchor Plate

Two per seat  
(Division Cars)  
(Front Seats only)

UB. 3847

Part Number of the various type of kits are as follows :-

RH. 2301	Front Seat Safety Belt Kit Std and LWB cars (Lap Belt)	(For one seat RH or LH on Non Refrigerated Cars RH Seat only (on Refrigerated Cars
RH. 2302	Rear Seat Safety Belt Kit Std and LWB cars (Lap Belt)	(For one seat RH or LH on Non Refrigerated and on Refrigerated Cars
RH. 2303	Front Seat Safety Belt Kit Std and LWB Cars (Lap/ Diagonal Belt)	(For one seat RH/LH on Non Refrigerated Cars (RH Seat only on Refrigerated Cars
RH. 2304	Rear Seat Safety Belt Kit Std and LWB Cars (Lap/ Diagonal Belt)	(For one seat RH/LH on Non- Refrigerated and on Refrigerated Cars
RH. 2305	Front Seat Safety Belt Kit Division Cars (Lap Belt)	(For one seat RH or LH on Non- Refrigerated Cars (RH seat only on Refrigerated Cars
RH. 2306	Front Seat Safety Belt Kit Division Cars (Lap/ Diagonal Belt)	(For one seat RH/LH on Non. Refrigerated Cars (RH seat only on Refrigerated Cars
RH. 2307	Front Seat Safety Belt Kit Std and LWB cars (Lap Belt)	(For LH seat only on Refrigerated Cars)
RH. 2308	Front Seat Safety Belt Kit Std and LWB cars (Lap/ Diagonal Belt)	(For LH seat only on Refrigerated Cars

- 3 -

RH. 2318	Front Seat Safety Belt Kit Division Cars (Lap Belt)	(For LH seat only on Refrigerated (Cars
RH. 2319	Front Seat Safety Belt Kit Division cars (Lap/Diagonal Belt)	(For LH seat only on Refrigerated (Cars (

3.S.21.

REAR SEATBENTLEY S3 SILVER CLOUD III STANDARD WHEELBASE CARS

Modifications to the rear seat and side arm rests have resulted in improved appearance and a slight increase in overall width.

The modification has necessitated changes to the seat spring case and the latex rolls of both seat and side arm rests.

Individual parts are not interchangeable but completely trimmed seats and arm rests are interchangeable in sets.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UB 5053	Spring Case - Rear Seat Cushion	UB 5234
UW 2681	Cushion - Topping- Front Roll	UW 2809
UW 2703	Lower Portion - Armrest - L.H.	UW 2813
UW 2702	Lower Portion - Armrest - R.H.	UW 2812
UW 2698	Pad - Armrest	

The following are the chassis numbers of cars that incorporate the wider rear seats:-

BENTLEY S3.

Chassis

B.70.EC onwards.

SILVER CLOUD III

Chassis

SEV.445 onwards.



FRONT DOORS

BENTLEY S3 SILVER CLOUD III

The material of the taper pin, K.4875/N, which locates in the friction pivot on the front door ventilator window has been changed.

The pin is located in the S3 Parts List, Group P4 Item 34.

The new pin can be used for replacement on all S. Series cars.

Piece Numbers are as follows :-

<u>Displaced</u>		<u>New</u>
K.4875/Z	Taper Pin	UB.5307.

FRONT DOORS

BENTLEY S3 SILVER CLOUD III

The material of the taper pin, K.4875/N, which locates in the friction pivot on the front door ventilator window has been changed.

The pin is located in the S3 Parts List, Group P4 Item 34.

The new pin can be used for replacement on all S. Series cars.

Piece Numbers are as follows :-

<u>Displaced</u>		<u>New</u>
K.4875/Z	Taper Pin	UB.5307.

BODYBENTLEY S. 3. SILVER CLOUD III(STANDARD AND LONG WHEEL BASE CARS ONLY)

A modified petrol filler door seal is now being fitted. They are completely interchangeable.

This is a production modification for S3/III Series cars, but the new seal can be used for replacements from S.1 Series cars and onwards.

Piece numbers are as follows:-

DisplacedNew

UB.1288    Petrol filler door seal

UB.5344

FRONT and REAR DOORS

BENTLEY S3. SILVER CLOUD III. STANDARD & LWB CARS

There was a tendency for the cup washers, fitted under two of the screws securing the lock to the door to scratch the paint.

In order to eliminate this, new washers are being fitted and they should be used for all replacements.

The washers are shown as Item 73 on Page N.5. and Item 47 on Page N.7. of the S2/II Spares Schedule.

Displaced

New

CS.34324/E      Cup Washer - Door Lock

UB.5165

Addendum 3.S.26

FRONT SEATS

BENTLEY S3 SILVER CLOUD III

STANDARD STEEL SALOON AND LONG WHEELBASE

The following are chassis numbers of cars which incorporate the more comfortable cushions.

Bentley S3 Standard Steel Cars

B.178.EC and onwards.

Bentley S3 Long Wheel Base Cars

BAL.18 and onwards.

Silver Cloud III Standard Steel Cars

SFU.99 and onwards.

Silver Cloud III Long Wheel Base Cars

CCL.91 and onwards.

3.S.27.

HEADLAMP FAIRINGS

BENTLEY S.3. SILVER CLOUD III

Headlamp fairings on which a Rolls Royce or Bentley motif has been mounted are now being fitted.

The motifs are detachable but as the fairing pressing has been modified to provide a platform for the motif they are interchangeable only in pairs.

When stocks of the original fairings have been used up only those with the motif will be available.

Piece Numbers are as follows:-

Displaced

New

UB.3948	Fairing Assy. Headlamp	UB.5303
	Motif Bentley	UB.5305
	Motif Rolls Royce	UB.5306

HEADLAMP FAIRINGS

BENTLEY S3 SILVER CLOUD III

The following are the chassis numbers which incorporate the revised Headlamp Fairings

'E' Series

Bentley S3 Standard Steel Cars

Chassis

B.240.EC. 274, 290, 292, 298, 302, 310, 312, 318 and onwards

'A' Series

Bentley S3 Long Wheelbase

Chassis

BAL 24, 28 onwards

'F' Series

Silver Cloud III Standard Steel Cars

Chassis

SFU 275, 341, 347, 353, 355, 357, 361, 367 and onwards

'D' Series

Silver Cloud Long Wheelbase

Chassis

CDL 7, 9, 11, 17 onwards

REAR WINGS

BENTLEY S3. SILVER CLOUD III

S3/III. SPARES SCHEDULE, PAGE P23. ITEM 18.

The part numbers quoted for these items are incorrect.

The correct part numbers are as follows:-

473/123 Rear Wing LH.

373/102 Rear Wing RH.

RH.2176 should be deleted.

Re-issued to add note regarding RH.2176 (17.6.65.)



3.S.30.

TOOL TRAY

BENTLEY S2.3. SILVER CLOUD II.III

Tool Tray lids are now being produced in aluminium in place of the wood previously used.

The new lid can be used for all replacements and piece numbers are as follows:-

Displaced		New
(UB 5293	Assy Lid Tool Tray	UB 5355
(UB 3028	Assy Lid Tool Tray	

BUMPERS

BENTLEY S 3 and SILVER CLOUD III CONTINENTALS

On page P.10 of the S.3/III Spares Schedule, in the 'Remarks' column against Item 1, UR. 5405, James Young & Hooper Continentals appear as applicable cars. They should be deleted.

James Young Continentals should be added in the 'Remarks' column against Item 30 UR. 5404.

3.S.32

HANDPULL CANTRAIL

BENTLEY S2 3 SILVER CLOUD II/III

STANDARD AND LWB CARS

In order to improve the fitting of the handpull to cantrail two of the four distance pieces UB.3775 have been replaced by slightly shorter ones.

The parts concerned can be found in the S2 Parts List Group N40 and N40/1 item 7. S3 Parts List Group P39 item 24.

Part numbers are as follows.

Displaced

New

UB.3775

Distance piece Handpull Cantrail

UB.5364

UB.3775

BODY MOUNTING WASHERS

BENTLEY S3 SILVER CLOUD III PHANTOM 5

There has been a change of piece number for the body mounting washers (S3 Parts List, Page P1).

This is a production modification for S3/III Series cars, but the new washers can be used for replacements on S1 Series.

Stocks to be used up.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UR.1924	Washer - Body Mounting	UR.8746
UR.1929	Washer - Body Mounting	UR.8745
UR.929	Washer - Rebound	UR.8738

FRONT DOOR FITTINGS

BENTLEY S.3. SILVER CLOUD III

Support channels, UB.2248 (Spares Schedule P.37 Item 34) and brackets (Item 59 and 60) are being supplied with 5/16" bolt holes in place of the present  $\frac{1}{4}$ ".

In cases where new channels and/or brackets are supplied for spares it is permissible to drill out the holes in existing brackets or channels to suit.

3. S. 35.

ELECTRICALLY OPERATED WINDOWSBENTLEY S1/2/3 SILVER CLOUD I/II/III

A modified type of stop glass support bracket (S. 3 Spares Schedule P.37 Ref. 59/60) has been introduced on production; it differs from the original only in that the attachment hole diameters have been increased from .2812" to .312"

The corresponding holes in the support channel have been increased in diameter by the same amounts.

The modified bracket will be supplied for all replacements and the holes in the support channel will have to be opened out to accept them.

Piece numbers are as follows:

<u>Displaced</u>		<u>New</u>
UB.2248	Support channel	UB.5367
UB.2502	Support bracket RH	UB.5368
UB.2503	Support bracket LH	UB.5369



ELECTRICALLY OPERATED WINDOWS

BENTLEY S1/2/3. SILVER CLOUD I/II/III

The following are chassis numbers that incorporate the modified Assy Stop Bracket Drop Glass.

'G' Series

Bentley S3. Standard Steel Saloon

Chassis B. 126. GJ onwards.

'J' Series

Silver Cloud S. III Standard Steel Saloon

Chassis SJR. 27 onwards.

'B' Series

Bentley S. 3. Long Wheelbase Cars

Chassis BBL. 10. onwards

'E' Series

Silver Cloud S. III Long Wheelbase Cars

Chassis CEL. 53 onwards.

3. S. 37

VALANCE PLATES

BENTLEY S. 3

Modified valance plates have been introduced to improve clearance between bonnets and wings.

The new parts will be supplied for all replacements.

Piece numbers are as follows:

<u>Displaced</u>		<u>New</u>
UR 5985	Assy. - Valance Plate and Extension - RH	UR 8776
UR 5787	Assy. - Valance Plate and Extension - LH	UR 8777

**SECTION T**  
**TRANSMISSION**

FLYWHEEL & TORUS

BENTLEY S3, SILVER CLOUD III, PHANTOM 5

A modified type of automatic gearbox torus cover is now being fitted. It can be fitted as a replacement on all S.2. and S.3. cars.

Part numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UG.3541	Assy - Cover - Torus	UG.4464

The following are the chassis numbers of cars that incorporate the modified torus cover :-

'C' Series  
Bentley S3 Standard Steel Cars

Chassis  
B.712.CN to 722, 726 onwards

'D' Series  
Silver Cloud III Standard Steel Cars

Chassis  
SDW.415 to 427, 431 to 437, 441 onwards.

'A' Series  
Bentley S3 Long Wheelbase

Chassis  
BAL.10 onwards

'C' Series  
Silver Cloud III Long Wheelbase

Chassis  
LCCL 39 onwards

- 2 -

'B' Series

Bentley S3 Continental

Chassis

BC.60.LXB, 64, 66, 70, 74 onwards

'A' Series  
Phantom 5

Chassis

5.L.VA.117, 123 onwards

FLYWHEEL HOUSING

BENTLEY S. 3 SILVER CLOUD III PHANTOM 5.

In order to improve gearbox cooling, a bell housing underpan, the timing access hole of which has been enlarged and fitted with a detachable expanded metal grille, is now being fitted on all cars with the exception of those exported to countries where tropical or dusty conditions prevail.

Piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
UE. 5713	Under cover assy, bell housing	UE. 31351
UE. 5714	Blanking plate, timing access hole	
	Air outlet grille	UE 31353
	Air outlet frame	UE 31352
	Under cover assy, bell housing complete with air outlet grille & frame	RH. 2324

RH. 2324 can be used for replacements of UE. 5713 with the exception of the countries indicated above.

Bulletin AG 19 deals with the incorporation of a similar modification on cars in service.

The following are chassis numbers at which this modification commenced

'F' Series  
Bentley S3 Standard Steel Cars

B 12 FG (Less B 18 FG) and onwards

'B' Series  
Bentley S3 Long Wheel Base Cars

BBL 2 and onwards

'C' Series  
Bentley S3 Continental

BC. 152. XC. (Less BC 154 XC) and onwards

Continued

- 2 -

'F' Series

Silver Cloud III Standard Steel Cars

SFU 773 and onwards

'D' Series

Silver Cloud III Long Wheel Base Cars

CDL 61 and onwards

'C' Series

Phantom 5

5VC 47 and onwards

BELL HOUSING

BENTLEY S3 SILVER CLOUD III PHANTOM 5

Further to Information Sheet 3.T.2 ventilation holes are also being provided in the bell housing.

The holes are screened with expanded metal covers.

Parts are interchangeable and piece numbers are as follows:-

<u>Displaced</u>		<u>New</u>
	Assy - Air Inlet Cover	UE.31398
UE.8516	Assy - Bell Housing LH	UE.31403
UE.8065	Assy - Bell Housing RH	UE.31404

The following are chassis numbers at which the above modification commenced.

'G' Series  
Bentley S3 Standard Steel Cars

Chassis B.190.GJ and onwards

'D' Series  
Bentley S3 Continental

Chassis BC.22.XD and onwards

'C' Series  
Bentley S3 Long Wheel Base Cars

Chassis BCL.2 and onwards

'J' Series  
Silver Cloud III Standard Steel Cars

Chassis SJR 125 and onwards

Continued.....

- 2 -

'E' Series  
Silver Cloud III Long Wheel Base Cars

Chassis CEL 63 and onwards

'D' Series  
Phantom 5

Chassis 5.VD 63

3. T. 4.

SPEEDOMETER DRIVE SHAFT HOUSING AND GEARBOX REAR EXTENSION

BENTLEY S. 3. SILVER CLOUD III, PHANTOM 5

In order to prevent the entry of oil into the speedo drive cable, an additional web, at right angles to the two existing webs, has been incorporated into the shaft housing.

Minor dimensional changes have been made to the gearbox extension, to accommodate the new web.

It may sometimes be necessary when fitting the modified shaft housing into an unmodified gearbox extension, to trim the latter in order to eliminate a foul.

GEARBOX

BENTLEY S3 SILVER CLOUD III PHANTOM 5

Gearbox assemblies for these cars may be fitted with two different types of speedo drive housing (See Spares Information Sheet 3.M.37).

It is essential, when placing an order for a gearbox assembly, to state whether or not a Nemag Speedometer is fitted.

This speedometer can be immediately identified as follows.

- (1) The monogram 'B' or 'RR' is at the base of the dial.
- (2) Regarding the dial as a clock face, zero is at 'thirty five minutes past' instead of 'five minutes past the hour'.

AUTOMATIC GEARBOX - REVERSE GEAR

BENTLEY S3 : SILVER CLOUD III

On a few gearboxes, fitted to S3 cars, the depth of the key slots in the outer cone, UG.1413 (Schedule J9 ref. No.3) is shallower than standard.

In order to accommodate the reduction in depth a special key (J9 ref. No. 4) was fitted.

Serial numbers of the gearboxes concerned are 4637/3 to 4639/3 inclusive.

Should it ever be necessary to fit a new key in one of these gearboxes a special one RH.7948 should be ordered.

Should it ever be necessary to fit a new stationary cone then a new key, UG.224 should also be fitted.