

No. S3/R1

This Service Bulletin cancels
Service Bulletin S3/R1 dated
14.5.63.

FOR INFORMATION

CURRENTLY APPROVED TYRES FOR ROLLS-ROYCE AND
BENTLEY S3 SERIES CARS

S3 STANDARD AND LONG WHEELBASE CARS

<u>Part No.</u>	<u>Make</u>	<u>Type</u>	<u>Casing material</u>	<u>Size</u>	<u>Sidewall colour</u>
UG.4367	Dunlop	Fort 'C' WH4	Nylon 4 ply	8.20 x 15	Black
UG.4368	Dunlop	Fort 'C' WH4	Nylon 4 ply	8.20 x 15	White
UG.4639	Firestone	ORB De luxe	Nylon 4 ply	8.20 x 15	Black
UG.4640	Firestone	ORB De luxe	Nylon 4 ply	8.20 x 15	White
UG.4644	Avon	Turbospeed R/R-B	Nylon 4 ply	8.20 x 15	Black
UG.4645	Avon	Turbospeed R/R-B	Nylon 4 ply	8.20 x 15	White
No RR No.	India	Super Nylon WH4	Nylon 4 ply	8.20 x 15	Black
No RR No.	India	Super Nylon WH4	Nylon 4 ply	8.20 x 15	White

The pressures for these tyres are as follows

Standard cars Front 22 lb/sq.in. (1.55 kg/sq.cm.)
Rear 27 lb/sq.in. (1.90 kg/sq.cm.)

L.W.B. cars Front 23 lb/sq.in. (1.62 kg/sq.cm.)
Rear 29 lb/sq.in. (2.04 kg/sq.cm.)

WINTER TYRES (Rear wheels only)

<u>Part No.</u>	<u>Make</u>	<u>Type</u>	<u>Casing material</u>	<u>Size</u>	<u>Sidewall colour</u>
No RR No.	Dunlop	Heavy Duty Weathermaster	Nylon 4 ply	8.00/8.20 x 15	Black or White
No RR No.	Firestone	Town and Country	Rayon 6 ply	8.00/8.20 x 15	Black or White

The pressure for winter tyres is 30 lb/sq.in. (2.11 kg/sq.cm.)

Continued...

COACHBUILT SILVER CLOUD III AND BENTLEY CONTINENTAL S3 CARS

<u>Part No.</u>	<u>Make</u>	<u>Type</u>	<u>Casing material</u>	<u>Size</u>	<u>Sidewall colour</u>
UG.4245	Dunlop	Road Speed RS5	Nylon 6 ply	8.00 x 15	Black
UG.4246	Dunlop	Road Speed RS5	Nylon 6 ply	8.00 x 15	White
UG.4369	India	Super Speed	Nylon 6 ply	8.00 x 15	Black
UG.4370	India	Super Speed	Nylon 6 ply	8.00 x 15	White
UG.3805	Firestone	Sports ORB P345	Nylon 6 ply	8.00 x 15	Black
UG.3804	Firestone	Sports ORB P345	Nylon 6 ply	8.00 x 15	White

The pressures for these tyres are as follows

Front 20 lb/sq.in. (1.41 kg/sq.cm.)
Rear 25 lb/sq.in. (1.76 kg/sq.cm.) Normal running

Front 25 lb/sq.in. (1.76 kg/sq.cm.)
Rear 30 lb/sq.in. (2.11 kg/sq.cm.) High speed running

WINTER TYRES (Rear wheels only)

<u>Part No.</u>	<u>Make</u>	<u>Type</u>	<u>Casing material</u>	<u>Size</u>	<u>Sidewall colour</u>
No RR No.	Dunlop	Weathermaster	Nylon 4 ply	8.00/8.20 x 15	Black
No RR No.	Firestone	Town and Country	Rayon 6 ply	8.00 x 15	Black

The pressure for winter tyres is 30 lb/sq.in. (2.11 kg/sq.cm.).

Continued...

PHANTOM V CARS

<u>Part No.</u>	<u>Make</u>	<u>Type</u>	<u>Casing material</u>	<u>Size</u>	<u>Sidewall colour</u>
UG.4629	Dunlop	Fort 'C' WH4	Nylon 6 ply	8.90 x 15	Black
UG.4628	Dunlop	Fort 'C' WH4	Nylon 6 ply	8.90 x 15	White

The pressures for these tyres are as follows

Front 22 lb/sq.in. (1.55 kg/sq.cm.)
Rear 27 lb/sq.in. (1.90 kg/sq.cm.)

WINTER TYRES (Rear wheels only)

<u>Part No.</u>	<u>Make</u>	<u>Type</u>	<u>Casing material</u>	<u>Size</u>	<u>Sidewall colour</u>
No RR No.	Dunlop	Weathermaster WM2 or CW44	Nylon 4 ply	8.00/8.20 x 15	Black

The pressure for winter tyres is 30 lb/sq.in. (2.11 kg/sq.cm.)

FOR INFORMATION

DUNLOP ELITE TYRES

The following tyres are no longer available for use on Rolls-Royce Silver Cloud III and Bentley S3 cars.

<u>Part No.</u>	<u>Make</u>	<u>Type</u>	<u>Casing material</u>	<u>Size</u>	<u>Sidewall colour</u>
UG.4194	DUNLOP	Elite C40	Nylon 4 Ply	8.20 x 15	Black
UG.4195	DUNLOP	Elite C40	Nylon 4 Ply	8.20 x 15	White

Would Retailers and Service Personnel please amend Service Bulletin S3/R1 accordingly.

UNITED KINGDOM AND
EUROPE ONLY.
This Bulletin cancels
Service Bulletin S3/R3
dated 8.6.64.

FOR INFORMATION

WIDER REAR WHEELS

APPLICABLE TO

Silver Cloud III
Silver Cloud III L.W.B.
Bentley S3
Bentley S3 L.W.B.

DESCRIPTION

New rear wheels with rims $\frac{1}{2}$ inch wider than the present standard wheel, will shortly be fitted to all cars leaving the factory destined for the Home or European market. The new rim will be 6.500 inches wide and is fitted to a standard nave plate. The rim will receive standard tyres.

The wider rear rims are being introduced to improve the car's handling and steering characteristics, especially in blustery conditions which cause steering wander and instability during high speed motoring. The wider rims used in conjunction with standard tyres have the effect of increasing the cornering stiffness of the rear tyres, thereby reducing the oversteering characteristics and promoting a more stable understeering condition. This may give the impression that the wider rear rims will only improve the cornering characteristics rather than improve the straight line running conditions from which most complaints arise. However, the main cause of instability during Motorway running in windy conditions, is the oversteer which follows the initial push from the wind. It follows therefore, that any measures taken to increase the understeer characteristics will improve the straight line running stability.

It is not intended that the new wheels be fitted retrospectively in service unless it can be shown that all other known steps have been taken unsuccessfully to cure an owner's complaint of steering instability.

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SERVICING

The service schedule instructs that the road wheels should be interchanged after 6,000 miles. The sequence which should now be carried out on cars with wider rear wheels is as follows.

Offside front wheel to nearside front wheel and vice versa,
offside rear wheel to nearside rear wheel and vice versa
leaving the spare wheel as a spare. Under no circumstances should a wider rear wheel be fitted to the front hubs.

The spare wheel is only interchangeable with either of the front wheels, but in the event of a puncture in a rear wheel it is permissible for the spare wheel to be fitted to the rear as a temporary replacement, the original wider wheel being refitted as soon as the puncture has been repaired.

Although front and rear wheels will no longer be interchangeable with each other, it is still possible for each individual tyre to be fitted to any of the five wheels. It is highly desirable to have the less worn tyres on the front wheels at all times, even if this means interchanging them on the rims.

The tyre pressures remain unchanged and the standard wheel disc can be fitted to each wheel.

IDENTIFICATION

Identification is provided by means of a plate spot-welded to the wheel, the plate bearing the words 'REAR WHEEL ONLY'. To gain access to the plate, the wheel disc must be removed.

The part number of the new rear wheel is UG 4438.

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ALL FRANCHISE HOLDERS

CURRENTLY APPROVED TYRES

APPLICABLE TO:

All Rolls-Royce and Bentley motor cars from 1945.

INTRODUCTION:

This bulletin details currently approved tyres available for fitment to Rolls-Royce and Bentley motor cars from 1945 and supersedes all other tyre availability bulletins.

Car Type	Manufacturer	Construction	Sidewall	Size	Tyre/Marking	Note
All Rolls-Royce and Bentley motor cars from and including the following car serial numbers Silver Shadow SRC 18269 Bentley T SBH 18265 Long Wheelbase LRH 19577 Corniche Convertible DRH 18563 Corniche Saloon CRH 18564 Camargue JRH 14674	Avon	Radial-ply rayon	Black/white	HR70 HR15	HR70/HR15 Radial T or 235/70 HR15 101H	Not for use in Kuwait, South Africa, USA or Canada
	Avon	Radial-ply steel	Black/white	235/70 HR15	RR Turbosteel 70 235/70 HR15 101H	
Dunlop	Dunlop	Radial-ply steel	Black/white	235/70 HR15	SP Sport Dunlop Formula 70T/L 235/70 HR15 101H	
	Dunlop	Radial-ply rayon	Black/white	HR70 HR15	SP Sport Dunlop Formula 70T/L	
Dunlop	Dunlop	Radial-ply rayon (Winter)*	Black	205R15	Weathermaster SP44TT/L	
	Firestone	Radial-ply rayon	Black/white	HR70 HR15	Cavallino wide oval	Not for use in Australia, New Zealand or West Germany
Dunlop	Michelin	Radial-ply steel	White	HR70 15	Wide x HR70 15	Only for use in USA and Canada
	Avon	Radial-ply rayon	Black	205VR 15	Radial T rayon	Not for use in Kuwait, South Africa, USA or Canada
All Rolls-Royce and Bentley motor cars from and including the following car serial numbers up to the serial numbers quoted above Silver Shadow and Bentley T SRH 13485 (including SRH 13066, SRH 12853, SRX 12687 and SRH 12586) Long Wheelbase LRX 13201 (including LRH 13084) Corniche Convertible DRX 12734 Corniche Saloon CRH 12735 All cars from these car serial numbers must always be fitted with radial-ply tyre equipment.	Dunlop	Radial-ply rayon	Black/white	205HR15	SP68 Rayon T/L	
	Dunlop	Radial-ply rayon (Winter)*	Black	205R15	Weathermaster SP44TT/L	
All Rolls-Royce and Bentley motor cars prior to the following car serial numbers Silver Shadow and Bentley T SRH 13485 (except SRH 13066, SRH 12853, SRX 12687 and SRH 12586) Long Wheelbase LRX 13201 (except LRH 13084) Corniche Convertible DRX 12734 Corniche Saloon CRX 12735 (see Note 2)	Firestone	Radial-ply rayon	Black	205SR15	F100 Rayon	Not for use in Australia or New Zealand
	Avon	Cross-ply nylon	Black	8.15 V15	R/R-B Nylon 6PR	Not for use in Kuwait, South Africa, USA or Canada
Rolls-Royce Phantom V and Phantom VI	Avon	Radial-ply rayon	Black	205VR15	Radial T Rayon	
	Dunlop	Cross-ply nylon	Black	8.15 H15	Roadspeed RS5 Nylon 4PR T/L	
Dunlop	Dunlop	Radial-ply rayon	Black/white	205HR15	SP68 Rayon T/L	
	Dunlop	Radial-ply rayon (Winter)*	Black	205R15	Weathermaster SP44TT/L	
Rolls-Royce Phantom V and Phantom VI	Firestone	Radial-ply rayon	Black	205SR15	F100 Rayon	Not for use in Australia or New Zealand
	Dunlop	Cross-ply nylon	Black	8.90S15	Fort nylon 8PR WH4T/L	

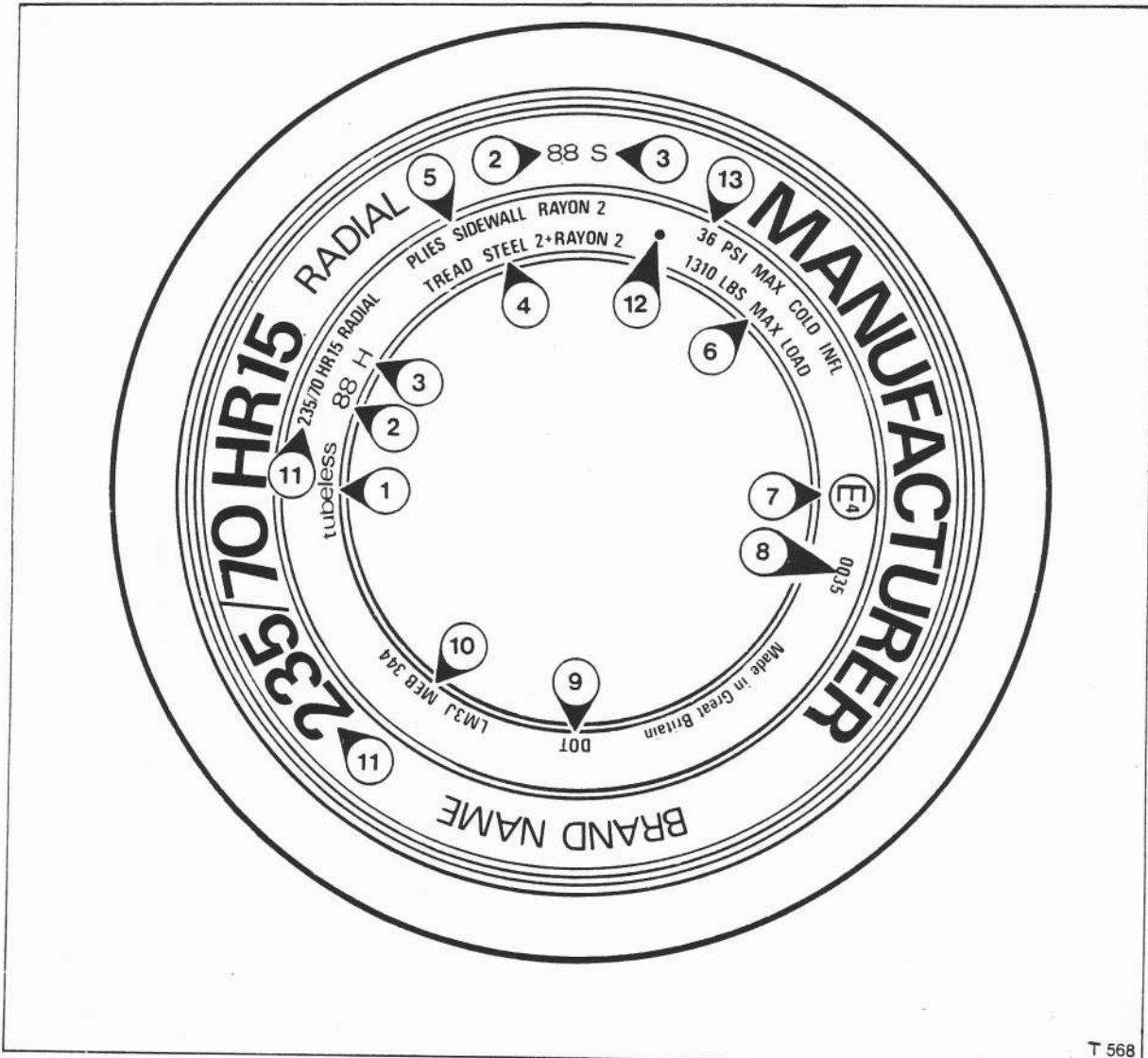
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Car Type	Manufacturer	Construction	Sidewall	Size	Tyre/Marking	Note
Rolls-Royce Silver Cloud I, II, III and Bentley S1, S2 and S3	Avon	Cross-ply nylon	Black	8.20 V15	Avon Turbospeed R/R -B nylon 6PR T/L	Not for use in Kuwait, South Africa, USA or Canada
Standard (123" and 127" wheelbase) and HJ. Mulliner drophead coupe (excluding Rolls-Royce coachbuilt Silver Cloud II and III and Bentley S1, S2 and S3 continental)	Dunlop	Cross-ply nylon	Black	8.20 H15	Fort 4PR WH4 T/L	
Bentley continentals S1 (December 1957 onwards) Bentley S2 and S3 continental.	Dunlop	Cross-ply nylon	Black	8.00 15	Roadspeed 6PR RS5 nylon	
Rolls-Royce coachbuilt Silver Cloud II and III (excluding HJ. Mulliner drophead coupe)						
Bentley S1 continental (up to December 1957)	Dunlop	Cross-ply			To be issued at a later date	
Rolls-Royce Silver Dawn Bentley MK VI Bentley R Type	Dunlop Dunlop	Cross-ply nylon Cross-ply rayon (Winter)	Black Black	6.50/6.70 16 6.50 16	Roadspeed 6PR RS5 nylon T/L RK 3A 6PR T/T	
Bentley R Type sports continental (dependant upon chassis numbers see note 3)	Dunlop Dunlop	Cross-ply nylon Cross-ply rayon (Winter)	Black Black	6.50/6.70 16 6.50 16	Roadspeed 6PR RS5 nylon T/L RK 3A 6PR T/T	
Rolls-Royce Phantom IV (see Note 4)	Dunlop	Cross-ply nylon	Black	8.00 17	Fort A 8PR Nylon B5T	
Rolls-Royce Silver Wraith (dependant upon chassis number see Note 5)	Dunlop	Cross-ply nylon	Black	6.00/6.50 17	Fort C 6PR F4T T/T	

Notes

- Tyres marked * indicates tread pattern to accept ice studs
- Prior to the following car serial numbers only tubed radial tyre equipment should be fitted.
Silver Shadow SRX 6752
Bentley T SBH 5572
Coachbuilt CRH 6760
Long Wheelbase LRX 6744 (except LRX 6712, LRX 6714 and LRX 6720).
- Bentley R type sports continental motor cars Certain cars fitted with 6.70 17 tyres.
- 8.00 17 tyres - at least six months notice of any requirements is requested by the manufacturer.
- 6.00/6.50 17 fitted to WTA1 to WME96.
6.00/6.50 17 or 7.50 16 fitted to WVH116.
All other series fitted with 7.50 16 Dunlop 6PR Nylon T/L DZ/103.

TYRE SIDEWALL MARKINGS



The above drawing identifies the codes or letters that appear on the sidewall of a tyre.

- 1 Tube or tubeless.
- 2 88 is the load indicator (as specified by the European standards) referring to the maximum load per wheel.
- 3 S refers to the speed rating. S max speed 113 mph
H max speed 130 mph V over 130 mph.
- 4 Material and number of casing and tread plies: tread two steel belts and two layers of rayon.

- 5 Sidewall plies: sidewall two layers of rayon.
- 6 1310 lbs maximum load: this is the maximum load in lbs per wheel.
- 7 This is the certificate of approval in accordance with
- 8 Economic Commission for European Standards. The
- 9 figure identifies the country in which approval was given - 4 is Holland.
- 10 DOT stands for Department of Transportation (the United States Federal Transport Authority), certifying that the tyre conforms to US specifications.
- 11 Manufacturer's coding: LM is the factory, MEB is the type code, 3J is the size code and 344 is the date code.
- 12 Size designation 235 refers to the width of the tyre in millimeters. 70 refers to the tyre profile and means that the tyre side wall height is 70% of the tyre width. H is the speed rating - 130 mph. R is for radial and 15 is the rim diameter in inches. In addition the word 'Radial' follows, referring to the tyre design.
- 13 Force variation low spot (see note at the bottom of this section).
- 14 36 PSI Max cold Infl., this is the maximum inflation pressure when cold and expressed in lbs per square inch.

POINT OF FIRST HARMONIC OF RADIAL FORCE VARIATION -
SEE NO 12

AVON

Avon tyres supplied for service replacement are marked with a GREEN spot to indicate the force variation low spot. When fitting the tyre to a wheel rim the GREEN spot must be positioned adjacent to the letter 'H' stamped in the well of the wheel rim to ensure optimum harmonisation of the wheel and tyre assembly.

MICHELIN

To be fitted as above if supplied with a GREEN spot. If the tyre is supplied with a WHITE spot the tyre should be fitted to the wheel rim with the WHITE spot 180° opposite to the letter 'H' stamped in the well of the wheel rim.

DUNLOP

The radial force variation low spot colour has changed from RED to GREEN from November 1978. The same fitting procedure should be adopted as that instructed above for Avon tyres.