



SHELL SERVICING GUIDE

PASSENGER CARS

No. X560
(5th REVISION)

BRISTOL

400, 401, 402, 403 and 404

ITEM	APPLICATION	GRADE	MILEAGE	REMARKS
<i>All capacities are refill quantities.</i>				
1	Engine —Series 400, 401 and 402 (10 pints) —Series 403 and 404 (12 or 13½ pints)	SHELL X-100 30 or SHELL X-100 MULTIGRADE 10W/30	500 2,000*	Top up if necessary Drain, flush and refill
2	Gearbox (3 pints)	SHELL DENTAX 90	3,000 6,000*	Top up if necessary Drain, flush and refill
3	Rear Axle (3 pints)	SHELL SPIRAX 140 EP	3,000	Top up if necessary
4	Suspension Bearings† —Series 401 and 403 —Series 404	SHELL DENTAX 90	6,000* 3,000 6,000* 3,000 6,000*	Drain, flush and refill Top up if necessary Drain, flush and refill Top up if necessary Drain, flush and refill
5	Propeller Shaft Universal Joints†	SHELL RETINAX A or SHELL SPIRAX 140 EP	3,000	Gun—2 fittings
6	Brake and Clutch Pedal Pivots —Where lubricators provided —Other Types	SHELL RETINAX A AS FOR ENGINE	6,000 3,000	Gun—2 fittings Oil can—few drops
7	Front Wheel Bearings	SHELL RETINAX A	12,000	Remove hubs, clean, repack, replace
8	Shock Absorbers —Where Filler plugs provided —Other Types	SHELL DONAX AI —	3,000 As required	Top up if necessary Replace—shop job
9	Oil Filter—Vokes —Tecalemit	— —	5,000** 5,000**	Remove, wash element in petrol, dry, replace Renew element
10	Air Cleaner Element	—	6,000 As required	Remove, clean, replace Renew
11	Crankcase Breather†	—	2,000*	Remove, clean, replace
12	Fan and Water Pump†	SHELL RETINAX A	1,500*	Repack
13	Dynamo	AS FOR ENGINE	12,000	Remove cap, soak wick, replace
14	Distributor —Automatic Timing Control —Cam Bearings —Shaft —Cam —Contact Breaker Pivot	AS FOR ENGINE	3,000	Oil can—few drops Oil can—few drops Oil can—few drops Smear Smear
15	Central Chassis Lubricator —Series 400, 401 and 402 (1½ pints) —Series 403 and 404 (2 pints)	SHELL DENTAX 90	70 1,500*	Depress pedal once Top up if necessary
16	Brake Fluid Supply Tank	—	1,500*	Top up if necessary with recommended brake fluid

†Where fitted and/or servicing required.

*Initially after first 500 and 1,500.

**Initially after first 500

For information on regular maintenance jobs other than lubrication, reference should be made to the manufacturer's instruction book.

(continued overleaf)
PC766 SS287

SERVICE PERIOD SUMMARY

FREQUENCY	ITEMS REQUIRING ATTENTION
70 miles	15
500 miles	1
1,500 miles	12-15-16
2,000 miles	1-11
3,000 miles	2-3-4-5-6-8-14
5,000 miles	9
6,000 miles	2-3-4-6-10
12,000 miles	7-13
As required	8-10

ENGINE ADJUSTMENTS

Valve Clearances—hot

Inlet066"
Exhaust008"

Contact Breaker

Points Gap010"—.012"
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Spark Plug Gap

.....	.018"
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APPROXIMATE CAPACITIES
(Imperial measure)

Cooling System.....	2½ galls.
Drain Taps.—Bottom tank and left side cylinder block.	
Fuel Tank—400	12 galls.
—401, 402, and 403	17 galls.
—404	16 galls.

TYRES

	SIZES		PRESSURES
			(lb. sq. in.)
403	5.75 × 16	Front	22
		Rear	26
400, 401, and 402	5.70 × 16	Front	24
		Rear	28
404	5.70 × 16	Front	18
		Rear	22

