



AUSTIN

AUSTIN-HEALEY 100

| ITEM | APPLICATION | GRADE | MILEAGE | REMARKS |
|--|---|---|--------------------------------|--|
| <i>All capacities are refill quantities.</i> | | | | |
| 1 | Engine (11½ pints) (13 pints with oil filter drained) | SHELL X-100 30 or SHELL X-100 MULTIGRADE 10W/30 SHELL X-100 20W or SHELL X-100 MULTIGRADE 10W/30 | { Daily 3,000* 30,000 | Top up if necessary Drain, flush and refill Remove sump and strainer gauze, wash in petrol, dry, replace |
| 2 | Gearbox and Overdrive (4½ pints) | SHELL X-100 30 | 1,000 6,000* | Top up if necessary Drain, flush and refill (2 drain plugs) |
| 3 | Rear Axle (2½ pints) —From Chassis No. BN221536 —Others | SHELL SPIRAX 90 EP SHELL SPIRAX 140 EP | 1,000 6,000* | Top up if necessary Drain, flush and refill |
| 4 | Suspension —Front—Control Arms —Rear —Spring Shackles | SHELL RETINAX A or SHELL SPIRAX 140 EP | 1,000 | Gun { 2 fittings 2 fittings |
| 5 | Steering—Drag —Swivel Pins —Track Rods —Track Rod Pivot | SHELL RETINAX A or SHELL SPIRAX 140 EP | 1,000 | Gun { 2 fittings 4 fittings 4 fittings 1 fitting |
| 6 | Clutch Operating Shaft and Brake Clutch Pedal Pivot | SHELL RETINAX A or SHELL SPIRAX 140 EP | 9,000 | Gun—1 fitting |
| 7 | Propeller Shaft—Spline —Universal Joints | SHELL RETINAX A or SHELL SPIRAX 140 EP | 1,000 | Gun { 1 fitting 2 fittings |
| 8 | Handbrake—Balance Lever —Lever Pivot | SHELL RETINAX A or SHELL SPIRAX 140 EP | 1,000 | Gun { 1 fitting 1 fitting |
| 9 | —Rod Linkage | SHELL X-100 20W | 1,000 6,000 | Oil can—few drops Remove cap, clean, repack, replace |
| 10 | Wheel Bearings—Front | SHELL RETINAX A | | |
| 11 | Shock Absorbers—Front and Rear | SHELL X-100 MULTIGRADE 10W/30 | 6,000 | Top up if necessary |
| 12 | Oil Filter | — | 9,000 | Drain, clean, renew element, refill |
| 13 | Air Cleaner—Oil Wetted Type | AS FOR ENGINE | 1,000 | Remove element, wash in petrol, dry, dip in oil, drain, replace |
| 14 | Dynamo | SHELL RETINAX A | 6,000 | Remove cap, repack, replace |
| 15 | Water Pump | SHELL SPIRAX 140 EP | 1,000 | Remove plug, lubricate sparingly, replace plug |
| 16 | Distributor —Automatic Timing Control —Cam Bearing —Cam and Contact Breaker Pivot | SHELL X-100 20W | 1,000 | { Oil can—few drops Oil can—few drops Smear |
| 17 | Carburettor Linkage | SHELL X-100 20W | 1,000 | Oil can—few drops |
| 18 | Speedometer Drive Inner Cable | SHELL RETINAX A | 9,000 | Remove, smear lightly, replace |
| 19 | Steering Gearbox | SHELL SPIRAX 90 EP | 1,000 | Top up to level of filler plug |
| 20 | Brake Fluid Supply Tank | — | 1,000 | Top up if necessary with recommended brake fluid |

*Initially after first 500

All chassis points should be serviced more frequently when operating under arduous or in dusty conditions.

(continued overleaf)

SERVICE PERIOD SUMMARY

| FREQUENCY | ITEMS REQUIRING ATTENTION |
|--------------|---------------------------------|
| Daily | 1 |
| 1,000 miles | 2-3-4-5-7-8-9-13-15-16-17-19-20 |
| 3,000 miles | 1 |
| 6,000 miles | 2-3-10-11-14 |
| 9,000 miles | 6-12-18 |
| 30,000 miles | 1 |

TYRES

| SIZE | PRESSURES (lb. sq. in.) | |
|-----------|----------------------------|------|
| | Front | Rear |
| 5.90 x 15 | 20 | 23 |

ENGINE ADJUSTMENTS

| | |
|-------------------------|-------------|
| Valve Clearances (cold) | |
| Inlet and Exhaust..... | .012" |
| Contact Breaker | |
| Points Gap | .014"—.016" |
| Spark Plug Gap | .025" |

**APPROXIMATE CAPACITIES
(Imperial measure)**

| | |
|--------------------------------------|-----------|
| Cooling System..... | 20 pints |
| Drain Taps. 1. Bottom radiator tank. | |
| 2. Right side of cylinder block. | |
| Fuel Tank | 12 galls. |

