



**AUSTIN
MINI-COOPER & COOPER 'S'**

SERVICE GUIDE

ITEM	APPLICATION	GRADE	MILEAGE	REMARKS	
<i>All capacities are refill quantities.</i>					
1	Engine, Gearbox and Differential: 8 pints with filter add ½ pint	—Summer { SHELL X-100 MULTIGRADE 10W/30 or SHELL X-100 30 —Winter { SHELL X-100 MULTIGRADE 10W/30 or SHELL X-100 20W	Daily	Top up if necessary	
			6,000 or 6 months*	Drain, flush (when oil filter service required), refill	
2	Front Suspension Control Arms		SHELL RETINAX A	3,000	Gun—2 fittings
3	Rear Suspension Radius Arms		SHELL RETINAX A	3,000	Gun—2 fittings
4	Steering—Swivel Pins	SHELL RETINAX A	3,000	Gun—4 fittings	
5	Handbrake Cable Guides†	SHELL RETINAX A	3,000	Smear liberally	
6	Handbrake Cable Pivots†	SHELL X-100 MULTIGRADE 10W/30	3,000	Oil can—few drops each	
7	Rear Wheel Bearings††	SHELL RETINAX A	6,000	Remove hub caps, clean, repack, replace	
8	Oil Filter	—	6,000 or 6 months	Drain, clean housing, renew element	
9	Air Cleaners—Oil wetted	SHELL X-100 MULTIGRADE 10W/30	3,000	Remove, wash in petrol, dry, dip in oil, drain, replace	
10	Water Pump	SHELL RETINAX A	12,000	Remove plug, inject small quantity, replace plug	
11	Dynamo	SHELL X-100 MULTIGRADE 10W/30	6,000	Oil can—few drops	
12	Carburettor Dashpots	SHELL X-100 MULTIGRADE 10W/30	3,000	Top up to ½" from top	
13	Distributor	—Automatic Timing Control } —Cam Bearing } —Cam } —Contact Breaker Pivot }	6,000	Oil can—few drops	
			6,000	Smear lightly	
14	Speedometer Cable†		SHELL RETINAX A	12,000	Remove, clean, smear lightly, replace
15	Brake and Clutch Fluid Supply Tanks		—	3,000	Top up if necessary with recommended Brake/Clutch Fluid.

*3,000 miles or 3 months where single viscosity grades are used.

†Where lubrication required.

††Where servicing required.

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

(continued overleaf)

SERVICE PERIOD SUMMARY

FREQUENCY	ITEMS REQUIRING ATTENTION
Daily	1
3,000 miles	2-3-4-5-6-9-12-15
3,000 miles or 3 months	1
6,000 miles	7-11-13
6,000 miles or 6 months	1-8
12,000 miles	10-14

ENGINE ADJUSTMENTS

Valve Clearances (cold)

Inlet and Exhaust.....	.012"
Contact Breaker Points Gap014"—.016"
Spark Plug Gap025"

APPROXIMATE CAPACITIES
(Imperial measure)

Cooling System	
With heater	6¼ pints
Without heater	5¼ pints
Fuel Tank	5½ galls.

TYRES

SIZE	PRESSURES (lb. sq. in.)	
	Front	Rear
5.20 x 10		
Normal	24	22
Full Load	24	24

