

SERVICING BY

Leycare



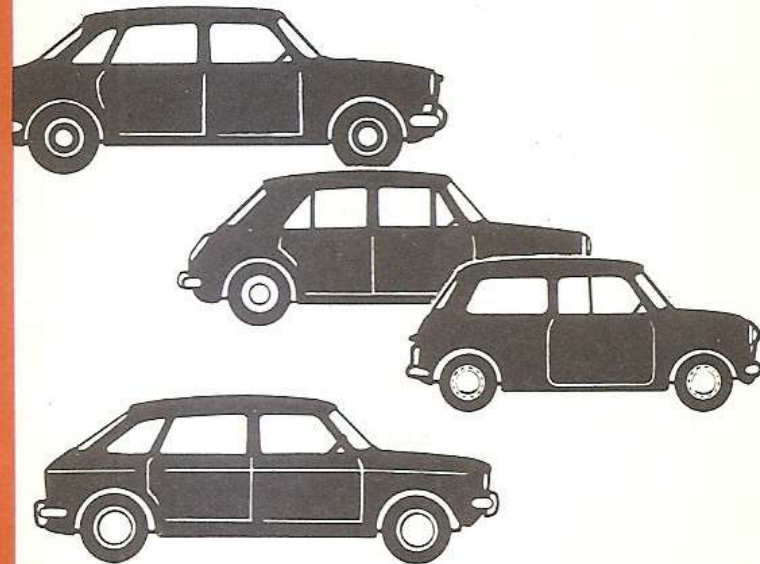
**parts and
accessories**

Made to high standards with
Full British Leyland backing

AKD 7914 (3rd Edition)

Serviceing Data

Transverse Engine Cars



SERVICING DATA (March 1972)

MINI

Engine/transmission oil capacity: Manual (including filter) Automatic (including filter)	8½ pt 9 pt				Oil filter element	Mini Mk.I & II Clubman, Estate	Mini Cooper 'S' Mk.I, II, III & GT	
Valve rocker clearance (cold)	0.012 in				Air filter element	GFE 103 GFE 106 (Auto)	GFE 103	
Sparking plug gap	0.025 in					GFE 1002 GFE 1008 (Auto)	GFE 1002 GFE 1008 (GT)	
Distributor gap	0.014 to 0.016 in				Oil filler cap	13H 2296	13H 2296	
Distributor dwell angle	60 ± 3°				Sparking plugs	N5 N9Y	N9Y UN12Y	
Fan belt deflection	0.5 in				Contact set	GCS 101	GCS 111 GCS 101 (GT)	
Clutch release lever clearance	0.020 in				Valve cover gasket	GEG 401	GEG 417	
Cylinder head nut torque	40 lbf ft				Fan belt	GFB 102	GFB 102	
Rocker/camshaft nut torque	25 lbf ft				Wiper blades	GWB 102	GWB 102	
Manifold nut torque	15 lbf ft				Number-plate bulb	GLB 989 GLB 254	GLB 989 GLB 254 (GT)	
Road wheel nut torque	42 lbf ft				Stop/tail bulb	GLB 380	GLB 380	
Front wheel alignment	¼ in toe-out				Flasher bulb	GLB 382	GLB 382	
Disc brake-pad, minimum thickness	¼ in				Sidelamp bulb	GLB 989 GLB 501	GLB 989 GLB 501	
Tyres:	Saloon & Estate	Van & Pick-up						
Cross-ply tyre size	5.20-10	5.20-10						
Pressures (lb/in²)	F 24 R 22	F 30 R 25						
Radial-ply tyre size	145-10	145-10						
Pressures (lb/in²)	F 28 R 26	F 28 R 26						
Model	Mini Mk.I & II Mini 850	Mini Auto Mk.I & II 850, 1000 & Clubman	Mini Van Pick-up 848 c.c.	Mini Van Pick-up 998 c.c.	Mini Mk.II 1000 & Clubman	Mini 1275 GT	Mini Cooper 998 c.c.	Mini Cooper 'S' Mk.I, II & III 1275 c.c.
Year	1959 on	1965 on	1960 on	1967 on	1967 on	1969 on	1964-69	1964 on
Compression ratio	8.3 : 1	8.9 : 1	8.3 : 1	7.6 : 1	8.3 : 1	8.8 : 1	9.0 : 1	9.75 : 1
Distributor serial number	40768 41026	41134 41242 41251	40767 41007	41007	40931 41030	41257	40955 41032	40819 41033
Stroboscopic ignition timing (Crankshaft degrees, vacuum disconnected)	3° BTDC @ 600 rpm	6° BTDC @ 600 rpm	10° BTDC @ 600 rpm	10° BTDC @ 600 rpm	8° BTDC @ 600 rpm	10° BTDC @ 600 rpm	7° BTDC @ 600 rpm	12° BTDC @ 1000 rpm
Advance check (Crankshaft degrees, vacuum disconnected)	27-31° BTDC @ 2500 rpm	21-25° BTDC @ 1800 rpm	11-15° BTDC @ 1700 rpm	11-15° BTDC @ 1700 rpm	17-21° BTDC @ 1600 rpm	17-21° BTDC @ 2000 rpm	26-30° BTDC @ 2300 rpm	15-18° BTDC @ 1600 rpm

SERVICING DATA (March 1972)

Engine/transmission oil capacity:
Manual (including filter)
Automatic (including filter)

Valve rocker clearance (cold)
Sparking plug gap
Distributor gap

Distributor dwell angle
Fan belt deflection
Clutch release lever clearance

Cylinder head nut torque
Rocker/camshaft nut torque
Manifold nut torque

Road wheel nut torque
Front wheel alignment
Disc brake-pad, minimum thickness

Tyres:
Cross-ply tyre size
Pressures (lb/in²)

Radial-ply tyre size
Pressures (lb/in²)

Model

Year

Compression ratio

Distributor serial number

Stroboscopic ignition timing
(Crankshaft degrees, vacuum disconnected)

Advance check
(Crankshaft degrees, vacuum disconnected)

1800 & 18/85

10½ pt (12½ pt up to H71231)
7½ pt

0.013 in (0.018 in up to
0.025 in H27272 and
0.014 to between 97240
0.016 in & 101630, up to
60±3° 18WB/H3063)

0.5 in

—

45 lbf ft (40 lbf ft up to H95775)

25 lbf ft

15 lbf ft

60 lbf ft

½ in toe-in

⅜ in

1800, 18/85 Mk.II & Mk.II 'S'

—

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175—13 165SR—14
F 28 R 22 F 30 R 24

1800

1800

18/85

1800 Mk.II

18/85 Mk.II

Mk.II 'S'

1964-67

1967-68

1968-69

1968 on

1968 on

8.2 : 1

8.4 : 1

8.0 : 1

9.0 : 1

9.5 : 1

40969

41034

41035

41234

41238

16° BTDC
@ 600 rpm

16° BTDC
@ 600 rpm

12° BTDC
@ 600 rpm

12° BTDC
@ 600 rpm

12° BTDC
@ 600 rpm

26-30° BTDC @ 2000 rpm

23-27° BTDC @ 2000 rpm

25-29° BTDC @ 2000 rpm

22-26° BTDC @ 2200 rpm

23-27° BTDC @ 2000 rpm

MAXI

9½ pt

Inlet: Standard 0.016 to 0.018 in
Minimum 0.012 in

0.024 to 0.026 in

0.014 to 0.016 in

60±3°

0.5 in

0.052 in (Early cars)

60 lbf ft

20 lbf ft

15 lbf ft

50 lbf ft

⅜ in toe-in

⅜ in

155—13

F 26 R 24

Maxi 1500

Maxi 1750

1969 on

1971 on

9.0 : 1

8.75 : 1

41246

41246

12° BTDC
@ 650 rpm

13° BTDC
@ 650 rpm

21-25° BTDC @ 2000 rpm

22-26° BTDC @ 2000 rpm

Exhaust: 0.020 to 0.022 in
0.012 in

Oil filter element GFE 109

Air filter element GFE 1011

GFE 1042

Breather filter 42B 77

Sparking plugs N9Y

Contact set GCS 101

Valve cover gasket GEG 416

Fan belt GFB 104

Wiper blades GWB 109

Number-plate bulb GLB 207

Stop/tail bulb GLB 380

Flasher bulb GLB 382

Sidelamp bulb GLB 989

SERVICING DATA (March 1972)

Engine/transmission oil capacity:
 Manual (including filter)
 Automatic (including filter)

Valve rocker clearance (cold)
 Sparking plug gap
 Distributor gap

Distributor dwell angle
 Fan belt deflection
 Clutch release lever clearance

Cylinder head nut torque
 Rocker/camshaft nut torque
 Manifold nut torque

Road wheel nut torque
 Front wheel alignment
 Disc brake-pad, minimum thickness

Tyres:
 Cross-ply tyre size
 Pressures (lb/in²)

Radial-ply tyre size
 Pressures (lb/in²)

Model

Year

Compression ratio

Distributor serial number

Stroboscopic Ignition timing
 (Crankshaft degrees, vacuum disconnected)

Advance check
 (Crankshaft degrees, vacuum disconnected)

1100 & 1300

	1100 Mk.I All models	1100 Mk.II All models	1100/1300 Automatic	1300 Models
Oil filter element	GFE 103	GFE 103	GFE 122	GFE 103
Air filter element	GFE 1001	GFE 1001	GFE 1008 GFE 1038	GFE 1002 GFE 1038 GFE 1008
Oil filler cap	13H 2296	13H 2296	13H 2296	13H 2296
Sparking plugs	N5/N9Y	N5/N9Y	N5/N9Y	N9Y
Contact set	GCS 101	GCS 101	GCS 101	GCS 101
Valve cover gasket	GEG 401	GEG 401	GEG 401	GEG 401
Fan belt	GFB 102	GFB 102	GFB 102 GFB 127	GFB 102
Wiper blades	GWB 101	GWB 105 GWB 154	GWB 105 GWB 154	GWB 105 GWB 154
Number-plate bulb	GLB 989	GLB 989	GLB 989	GLB 989
Stop/tail bulb	GLB 380	GLB 380	GLB 380	GLB 380
Flasher bulb	GLB 382	GLB 382	GLB 382	GLB 382
Sidelamp bulb	GLB 989 GLB 501	GLB 989 GLB 501	GLB 989 GLB 501	GLB 989

	1100 Manual Single carb.	1100 Manual Twin carb.	1100 Automatic	1100 Automatic	1300 Manual Single carb.	1300 Single carb.	1300 Manual Twin carb.	1300 Manual Twin carb.
1962 on	1962-67	1966-67	1967 on	1967 only	1967 on	1968 on	1968 on	
8.5 : 1	8.9 : 1	8.9 : 1	8.9 : 1	8.8 : 1	8.8 : 1	8.8 : 1	9.75 : 1	
41142	40853	41134	41181	40819	41257	41134	41238	
41147	41028		41261		41214	41242		
41260						41251		
5° BTDC @ 600 rpm	7° BTDC @ 600 rpm	10° BTDC @ 600 rpm	8° BTDC @ 600 rpm	10° BTDC @ 600 rpm	10° BTDC @ 600 rpm	8° BTDC @ 600 rpm	9° BTDC @ 1000 rpm	
23-27° BTDC @ 2500 rpm	27-31° BTDC @ 2800 rpm	26-30° BTDC @ 2000 rpm	26-30° BTDC @ 2800 rpm	21-25° BTDC @ 1600 rpm	22-26° BTDC @ 2800 rpm	24-28° BTDC @ 2000 rpm	19-23° BTDC @ 2800 rpm	

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SERVICING DATA (March 1972)

2200 & WOLSELEY SIX

Engine/transmission oil capacity :

- Manual (including filter)
- Automatic (including filter)

Valve rocker clearance (cold)

Sparking plug gap

Distributor gap

Distributor dwell angle

Fan belt deflection

Clutch release lever clearance

Cylinder head nut torque

Rocker/camshaft nut torque

Manifold nut torque

Road wheel nut torque

Front wheel alignment

Disc brake-pad, minimum thickness

Tyres :

Cross-ply tyre size

Pressures (lb/in²)

Radial-ply tyre size

Pressures (lb/in²)

Model

Year

Compression ratio

Distributor serial number

Stroboscopic Ignition timing
(Crankshaft degrees, vacuum disconnected)

Advance check
(Crankshaft degrees, vacuum disconnected)

19 pt

10 pt

Inlet: Standard 0.016 to 0.018 in
Minimum 0.012 in

Exhaust: 0.020 to 0.022 in
0.012 in

0.025 in

0.014 to 0.016 in

35° ± 2°

0.5 in

—

60 lbf ft

20 lbf ft

20 lbf ft

60 lbf ft

1/8 in toe-in

1/8 in

—

—

165SR—14 (Reinforced)

F 30 R 24

2200

Wolseley Six

1972 on

9.0 : 1

41295

12° BTDC
@ 1000 rpm

19–23° BTDC
@ 2000 rpm

Oil filter element

GFE 109

Air filter element

GFE 1049

Breather filter

13H 8102

Sparking plugs

N9Y

Contact set

GCS 101

Valve cover gasket

GEG 441

Fan belt

GFB 185

Wiper blades

13H 5637

Number-plate bulb

GLB 501

Stop/tail bulb

GLB 580

Flasher bulb

GLB 382

Sidelamp bulb

GLB 989

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