CHAPTER XI

Accessories

Windscreen Washing Equipment.

Windscreen Washing Equipment.

As an added improvement to driving comfort and safety, a vacuum-operated device enables the driver to wash the windscreen whilst driving the car.

The equipment consists of two jets mounted on the scuttle just forward of the windscreen wiper blades. A press button is situated within easy reach on the facia, and on depressing this button the induction depression is communicated to the diaphragm of a pump on the reservoir, which is a glass container underneath the bonnet.

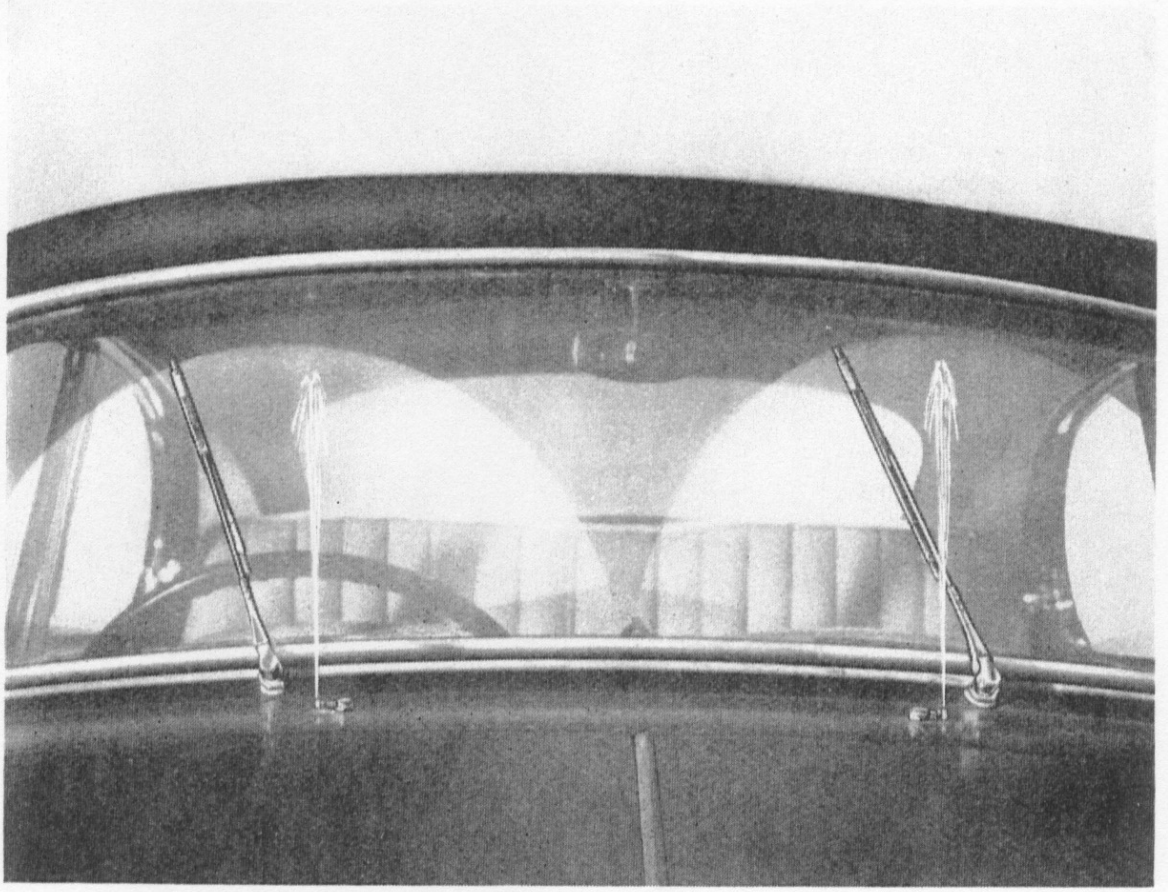

Fig. 48.—OPERATING WINDSCREEN WASHERS.

When the button is released, the diaphragm is returned under spring pressure and causes two jets of fluid to be directed on to the windscreen. The screen wipers should then be switched on, when the screen will immediately be cleaned.

The liquid in the reservoir has low surface tension and anti-freeze properties.

As the pump is actuated by the induction pipe depression, it is necessary to ease the foot off the accelerator pedal whilst the button is being depressed, otherwise there may be insufficient depression to actuate the pump.

The jets may readily be cleared if they ever become obstructed with foreign matter, by slackening off the knurled screw and operating the pump in the normal way. The jet consists of a small slot which becomes exposed when the screw is slackened off, and any obstruction is therefore easily washed away.

Adjustment of the angle of the jet is effected by turning the hexagon portion of the jet with a suitable spanner. The jet should impinge on the windscreen towards the top of the arc traversed by the screen wiper blades.

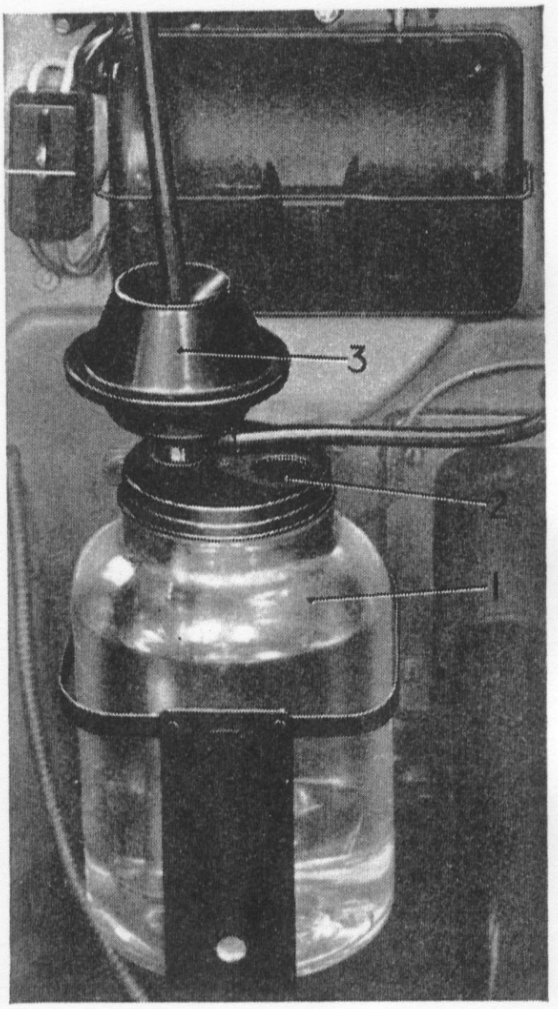

Fig. 49.—RESERVOIR AND PUMP.

1. Reservoir.
2. Filler cap.
3. Diaphragm pump.

Do not attempt to dismantle the part of the jet attached to the scuttle, as reassembly may be difficult.

Tins of special liquid, which is mixed with water for refilling the reservoir, are obtainable from the Main Service Station, Hythe Road, Willesden, N.W.10, and should be used in the proportions as directed.

CHAPTER XII

Storage and Recommissioning of Cars

The storage place should be dry, well ventilated and preferably heated.

The general instructions are intended to cover short periods of storage; if the storage period is likely to exceed three months, the engine, gearbox and rear axle should be drained and refilled to the correct levels with a pure mineral oil, e.g., Vacuum "BB" or Wakefield's Aero "C". Also, one of these oils should be used for injecting into the cylinders.

1.—Jack up rear wheels to take all weight off tyres, and place suitable wooden supports under the axle.

Run engine gently for a few minutes with a gear engaged. When cold, inject about two tablespoonfuls of engine oil through the spark plug holes in each cylinder. Turn the crankshaft with the starting handle a few times to distribute the oil over the cylinder walls.

Jack up front of car, a jacking pad is provided on the centre of the front suspension; support on suitable wooden blocks.

Do not deflate tyres, but cover up to exclude light.

2.—If the cooling system contains anti-freeze, do not drain. If the original coolant has been replaced by plain water, and there is any danger of freezing, drain the system. Otherwise leave water in.

3.—Drain all fuel from the main tank, rear filter and carburetter.

The fact that motor spirits undergo deterioration with time and thus cause them to adversely affect the inlet valves and the moving parts of the carburetter, it is undesirable to keep fuel tanks half filled in a warm atmosphere.

4.—Remove battery and properly charge from an external source; give a subsequent freshening charge every four to five weeks.

5.—Wash down and polish coachwork and clean all bright parts. Lightly smear with vaseline any bright parts not having an untarnishable finish.

6.—Cover the car with a light dust sheet.

Before putting the car into service again after storage, the following operations should be performed:—

1.—Drain engine crankcase and refill to correct level with fresh engine oil.

2.—Prime cylinders with engine oil.

3.—If previously drained, refill cooling system to the correct level.

4.—If gearbox and rear axle have been filled with a pure mineral oil, as directed for long period storage, drain and refill with the correct oils.

5.—Run engine gently for a time after starting up.

6.—Remove and clean spark plugs.

CHAPTER XIII

School of Instruction

To enable the maximum satisfaction to be obtained from the ownership of a Bentley car, Instructional Courses of two weeks' duration are held on the maintenance of the Bentley chassis. During the Course, the mechanical features of the chassis are fully explained, particular emphasis being stressed on the points requiring lubrication or adjustment; at the same time instruction is given in the handling of the car on the road, where a high standard of driving is demanded. Suitable cars are maintained by the School for instructional purposes.

The Course is intended for chauffeurs who are undertaking the care of Bentley products for the first time, and also for drivers who have had previous Bentley experience on other models. In this latter case shorter periods can be arranged, although in most cases the full Course is desirable.

In the past, owner-drivers and/or members of their families have frequently attended the Courses with beneficial results, and suitable arrangements may be made by application.

The School is located in part of the Service Department building at Willesden. Further particulars may be obtained from the Principal, School of Instruction, Bentley Motors (1931) Ltd., Hythe Road, Willesden Junction, London N.W.10.
(Telephone No.: LADbroke 2444.)

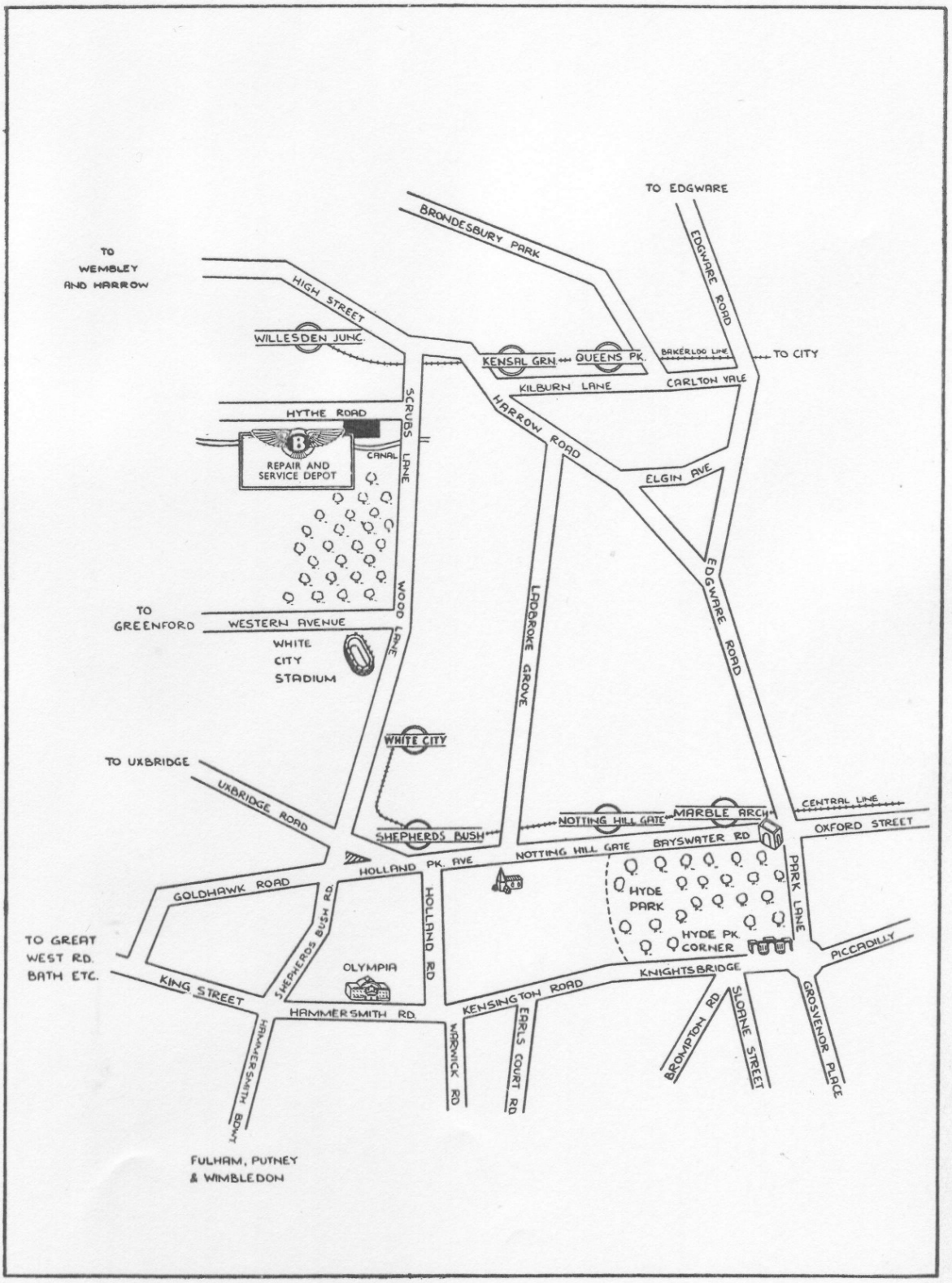

Fig. 50.—GUIDE TO LOCATION OF MAIN SERVICE STATION.

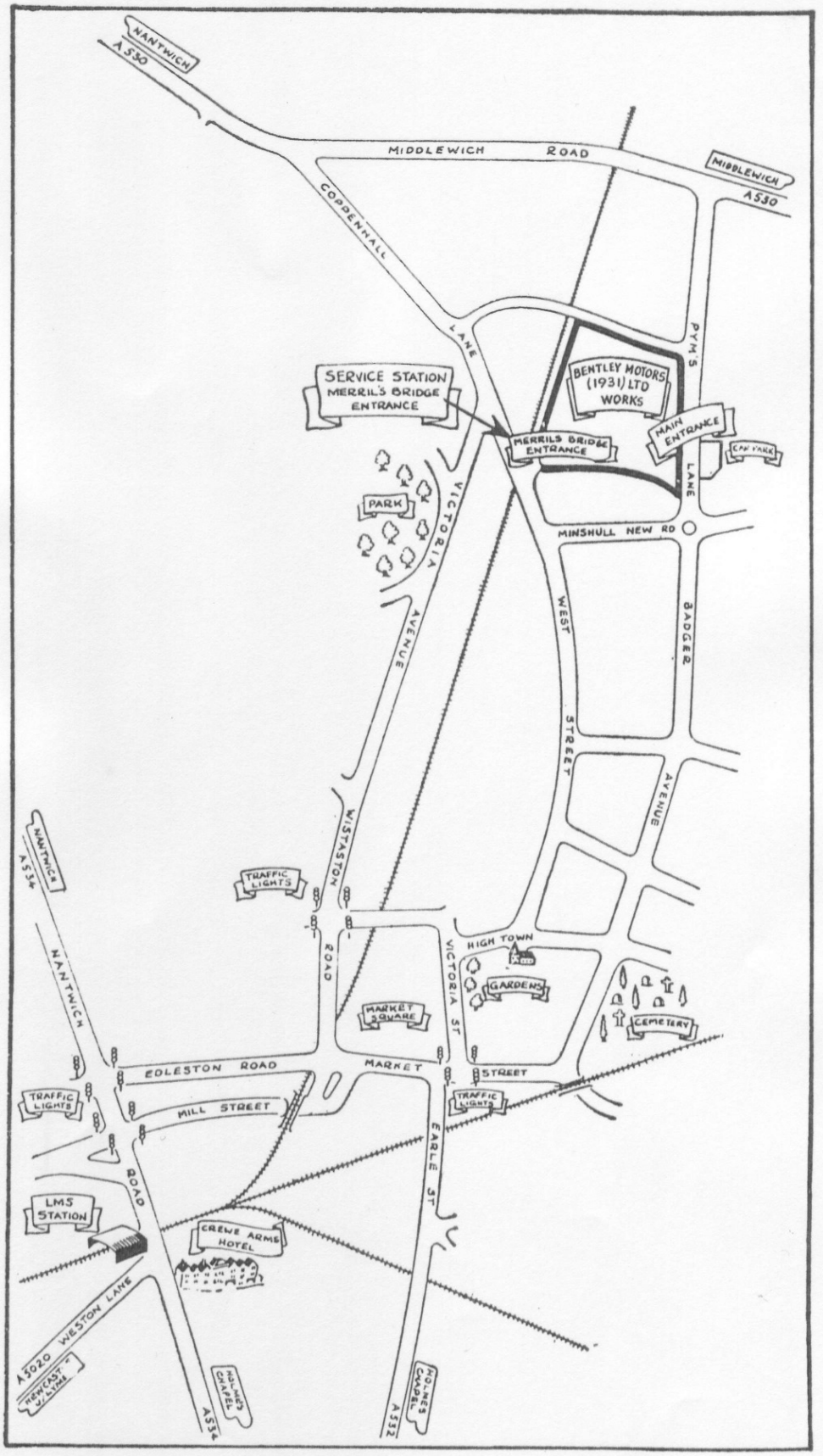

Fig. 51.—GUIDE TO LOCATION OF CREWE SERVICE STATION.

KILOMETRES—MILES
OR
MILES—KILOMETRES

KILOMETRES—MILES

Km.						Miles
1·60934	...	...	1	...	...	0·62137
3·219	...	...	2	...	...	1·243
4·828	...	...	3	...	...	1·864
6·437	...	...	4	...	...	2·485
8·047	...	...	5	...	...	3·107
9·656	...	...	6	...	...	3·728
11·265	...	...	7	...	...	4·350
12·875	...	...	8	...	...	4·971
14·484	...	...	9	...	...	5·592
16·093	...	...	10	...	...	6·214
17·703	...	...	11	...	...	6·835
19·312	...	...	12	...	...	7·456
20·921	...	...	13	...	...	8·078
22·531	...	...	14	...	...	8·699
24·140	...	...	15	...	...	9·321
25·749	...	...	16	...	...	9·942
27·359	...	...	17	...	...	10·563
28·968	...	...	18	...	...	11·185
30·577	...	...	19	...	...	11·806
32·187	...	...	20	...	...	12·427
33·796	...	...	21	...	...	13·049
35·406	...	...	22	...	...	13·670
37·015	...	...	23	...	...	14·291
38·624	...	...	24	...	...	14·913
40·234	...	...	25	...	...	15·534
41·843	...	...	26	...	...	16·156
43·452	...	...	27	...	...	16·777
45·062	...	...	28	...	...	17·398
46·671	...	...	29	...	...	18·020
48·280	...	...	30	...	...	18·641
49·890	...	...	31	...	...	19·262
51·499	...	...	32	...	...	19·884
53·108	...	...	33	...	...	20·505
54·718	...	...	34	...	...	21·127
56·327	...	...	35	...	...	21·748
57·936	...	...	36	...	...	22·369
59·546	...	...	37	...	...	22·991
61·155	...	...	38	...	...	23·612
62·764	...	...	39	...	...	24·233
64·374	...	...	40	...	...	24·855
65·983	...	...	41	...	...	25·476
67·592	...	...	42	...	...	26·098
69·202	...	...	43	...	...	26·719
70·811	...	...	44	...	...	27·340
72·420	...	...	45	...	...	27·962
74·030	...	...	46	...	...	28·583
75·639	...	...	47	...	...	29·204
77·249	...	...	48	...	...	29·826
78·858	...	...	49	...	...	30·447
80·467	...	...	50	...	...	31·069

KILOMETRES—MILES

Km.						Miles
82·077	...	...	51	...	...	31·690
83·686	...	...	52	...	...	32·311
85·295	...	...	53	...	...	32·933
86·905	...	...	54	...	...	33·554
88·514	...	...	55	...	...	34·175
90·123	...	...	56	...	...	34·797
91·733	...	...	57	...	...	35·418
93·342	...	...	58	...	...	36·039
94·951	...	...	59	...	...	36·661
96·561	...	...	60	...	...	37·282
98·170	...	...	61	...	...	37·904
99·779	...	...	62	...	...	38·525
101·389	...	...	63	...	...	39·146
102·998	...	...	64	...	...	39·768
104·607	...	...	65	...	...	40·389
106·217	...	...	66	...	...	41·011
107·826	...	...	67	...	...	41·632
109·435	...	...	68	...	...	42·253
111·045	...	...	69	...	...	42·875
112·654	...	...	70	...	...	43·496
114·263	...	...	71	...	...	44·117
115·873	...	...	72	...	...	44·739
117·482	...	...	73	...	...	45·360
119·091	...	...	74	...	...	45·981
120·701	...	...	75	...	...	46·603
122·310	...	...	76	...	...	47·224
123·919	...	...	77	...	...	47·846
125·529	...	...	78	...	...	48·467
127·138	...	...	79	...	...	49·088
128·748	...	...	80	...	...	49·710
130·357	...	...	81	...	...	50·331
131·966	...	...	82	...	...	50·952
133·576	...	...	83	...	...	51·574
135·185	...	...	84	...	...	52·195
136·794	...	...	85	...	...	52·817
138·404	...	...	86	...	...	53·438
140·013	...	...	87	...	...	54·059
141·622	...	...	88	...	...	54·681
143·232	...	...	89	...	...	55·302
144·841	...	...	90	...	...	55·923
146·450	...	...	91	...	...	56·545
148·060	...	...	92	...	...	57·166
149·669	...	...	93	...	...	57·788
151·278	...	...	94	...	...	58·409
152·888	...	...	95	...	...	59·030
154·497	...	...	96	...	...	59·652
156·106	...	...	97	...	...	60·273
157·716	...	...	98	...	...	60·894
159·325	...	...	99	...	...	61·516
160·934	...	...	100	...	...	62·137