

# TUNE-UP and SERVICE SPECIFICATIONS

Line Number	CAR, MAKE AND MODEL	No. Cylinders, Bore and Stroke	VALVE TIMING			OPERATING TAPPET CLEARANCE		VALVE SPRINGS				IGNITION					FRONT AXLE				Line Number				
			Inlet Opens °TC	Inlet Opens Flywheel Teeth—TC	Inlet Tappet Gap (Ins.)	Inlet (Ins.)	Exhaust (Ins.)	Outer Free Length (Ins.)	Inner Free Length (Ins.)	Pressure (Lbs. at Ins.)		Spark Plug Gap (Ins.)	Breaker Point Gap (Ins.)	Timing			Coil Draw Engine Stopped (Amps.)	Total Caster (Deg.)	Wheel Cam. (Deg.) I Wh.	Wheel Camber (Ins.) I Wheel		Toe in (Ins.)			
										Outer	Inner			Spark Occurs °TC	No. Flywheel Teeth Spark Occurs—TC	Breaker Housing									
1	Auburn 6-66.....1927	6-3 1/4 x 4 1/4	TC	TC	.010	.007 H	.007 H	2 3/4	.....	60-2	.....	.025	.020	TC	TC	Ret	.....	2 1/2	.....	.....	.....	.....	.....	1	
2	Auburn 6-66A.....1927	6-2 3/4 x 4 1/4	4A	1A	.012	.006 H	.008 H	.....	.....	.....	.....	.028	.020	TC	TC	Ret	.....	2 1/2	.....	.....	.....	.....	.....	2	
3	Auburn 8-88.....1927	8-3 1/4 x 4 1/4	TC	TC	.010	.005 H	.007 H	2 3/4	.....	62.5-2	.....	.028	.020	6B	2B	Adv	.....	2 1/2	.....	.....	.....	.....	.....	3	
4	Auburn 8-77.....1927-28	8-2 3/4 x 4 1/4	TC	TC	.010	.007 H	.007 H	.....	.....	89-1 1/2	.....	.028	.020	TC	TC	Ret	.....	2 1/2	.....	.....	.....	.....	.....	4	
5	Auburn 6-66.....1928	6-2 3/4 x 4 1/4	4A	1A	.012	.006 H	.006 H	.....	.....	.....	.....	.028	.020	TC	TC	Ret	.....	2 1/2	.....	.....	.....	.....	.....	5	
6	Auburn 8-88.....1928	8-3 1/4 x 4 1/4	TC	TC	.010	.005 H	.007 H	.....	.....	89-1	.....	.028	.020	TC	TC	Adv	.....	2 1/2	.....	.....	.....	.....	.....	6	
7	Auburn 76.....1928-29	8-2 3/4 x 4 1/4	TC	TC	.010	.007 H	.007 H	.....	.....	89-1	.....	.025	.022	TC	TC	Adv	.....	2 1/2	.....	.....	.....	.....	.....	7	
8	Auburn 88.....1928-29	8-2 3/4 x 4 1/4	TC	TC	.010	.007 H	.007 H	.....	.....	89-1	.....	.025	.022	TC	TC	Adv	.....	2 1/2	.....	.....	.....	.....	.....	8	
9	Auburn 115.....1928-29	8-3 1/4 x 4 1/4	TC	TC	.010	.007 H	.007 H	.....	.....	89-1	.....	.028	.022	TC	TC	Adv	.....	2 1/2	.....	.....	.....	.....	.....	9	
10	Auburn 6-80.....1929	6-2 3/4 x 4 1/4	TC	TC	.010	.007 H	.007 H	.....	.....	89-1	.....	.025	.022	TC	TC	Adv	4.6	2 1/2	.....	.....	.....	.....	.....	10	
11	Auburn 8-90.....1929	8-2 3/4 x 4 1/4	TC	TC	.010	.007 H	.007 H	.....	.....	89-1	.....	.028	.022	TC	TC	Adv	4.6	2 1/2	.....	.....	.....	.....	.....	11	
12	Auburn 120.....1929	8-3 1/4 x 4 1/4	TC	TC	.010	.007 H	.007 H	.....	.....	83.5-1	.....	.028	.022	6B	2B	Adv	4.6	2 1/2	.....	.....	.....	.....	.....	12	
13	Auburn 6-85.....1930	6-2 3/4 x 4 1/4	5B	1 1/2 B	.....	.006 H	.008 H	.....	.....	89-1	.....	.030	.020	6A	3A	Ret	4.6	2 1/2	.....	.....	.....	.....	.....	13	
14	Auburn 8-95.....1930	8-2 3/4 x 4 1/4	5B	1 1/2 B	.....	.006 H	.008 H	.....	.....	89-1	.....	.030	.022	6A	3A	Ret	4.6	2 1/2	.....	.....	.....	.....	.....	14	
15	Auburn 125.....1930	8-3 1/4 x 4 1/4	5B	1 1/2 B	.....	.006 H	.008 H	.....	.....	83.5-1	.....	.030	.022	6A	3A	Ret	4.6	2 1/2	.....	.....	.....	.....	.....	15	
16	Auburn 8-98.....1931	8-3 x 4 1/4	5B	1 1/2 B	.....	.006 H	.006 H	.....	.....	89-1 1/2	.....	.020	.018	3 1/2 A	.....	Ret	4.6	2 1/2	.....	.....	.....	.....	.....	16	
17	Austin.....1930-31	4-2.2x3	TC	TC	.....	.002 H	.004 H	.....	.....	.....	.....	.020	.020	.....	.....	Ret	.....	.....	.....	.....	.....	.....	.....	17	
18	Blackhawk L-6.....1929-30	6-3 1/4 x 4 1/4	7A	3A	.....	.028	.028	.....	.....	102-2 1/4	.....	.022	.017	15R	5B	Adv	10	3	1 1/2	.....	.....	.....	.....	18	
19	Blackhawk L-8.....1929-30	8-3 x 4 1/4	8A	2 1/2 A	.....	.008	.008	.....	.....	103-1 1/2	.....	.022	.017	8B	2 1/2 B	Adv	10	3	1 1/2	.....	.....	.....	.....	19	
20	Buick Std.....1925	6-3 x 4 1/4	5/6B	1/4 B	.....	.007 H	.007 H	.....	.....	84-2 1/2	.....	.025	.020	.....	.....	Adv	10	3	1 1/2	.....	.....	.....	.....	20	
21	Buick Master 6.....1925	6-3 1/4 x 4 1/4	1/4 B	.....	.010	.008 H	.008 H	.....	.....	84-2 1/2	.....	.025	.020	17B	5 1/4 B	Adv	.....	.....	.....	.....	.....	.....	.....	21	
22	Buick Std. 6.....1926	6-3 1/4 x 4 1/4	5/6B	1/4 B	.....	.007 H	.007 H	.....	.....	100-1 1/4	.....	.025	.020	17B	5 1/4 B	Adv	.....	.....	.....	.....	.....	.....	.....	22	
23	Buick Master 6.....1926	6-3 1/4 x 4 1/4	1/4 B	.....	.010	.008 H	.008 H	.....	.....	100-1 1/4	.....	.025	.020	17B	5 1/4 B	Adv	.....	.....	.....	.....	.....	.....	.....	23	
24	Buick 115.....1928	6-3 1/4 x 4 1/4	26B	9B	.008	.008 H	.008 H	.....	.....	90-1 1/2	.....	.025	.020	17B	6B	Adv	.....	.....	.....	.....	.....	.....	.....	24	
25	Buick 128, 120.....1927-28	6-3 1/4 x 4 1/4	26B	8B	.012	.008 H	.008 H	.....	.....	90-1 1/2	.....	.025	.020	17B	6B	Adv	.....	.....	.....	.....	.....	.....	.....	25	
26	Buick 118.....1929	6-3 1/4 x 4 1/4	10 1/2 B	3 3/4 B	.012	.008 H	.008 H	.....	.....	.....	.....	.025	.020	17B	6B	Adv	10	1-2 1/2	.....	.....	.....	.....	.....	26	
27	Buick 129, 121.....1929	6-3 3/4 x 5	12 1/2 A	4 1/2 A	.012	.008 H	.008 H	.....	.....	.....	.....	.025	.020	17B	6B	Adv	3	1	.....	.....	.....	.....	.....	27	
28	Buick 40.....1930	6-3 1/4 x 4 1/4	10 1/2 B	1 1/2 B	.012	.008 H	.008 H	.....	.....	80-1 1/2	.....	.025	.020	15B	5B	Adv	.....	.....	.....	.....	.....	.....	.....	28	
29	Buick 50, 60.....1930	6-3 3/4 x 5	12 1/2 A	4 1/2 A	.012	.008 H	.008 H	.....	.....	80-1 1/2	.....	.025	.020	15B	5B	Adv	.....	.....	.....	.....	.....	.....	.....	29	
30	Buick 8-60.....1931	8-2 1/4 x 4 1/4	1 1/2 B	1/2 B	.012	.008 H	.008 H	.....	.....	77-1 1/2	.....	.030	.020	17B	6B	Adv	.....	.....	.....	.....	.....	.....	.....	30	
31	Buick 8-60.....1931	8-3 1/4 x 4 1/4	1 1/2 B	1/2 B	.012	.008 H	.008 H	.....	.....	.....	.....	.025	.024	11B	3 3/4 B	Adv	5	5	1 1/2	.....	.....	.....	.....	31	
32	Buick 8-80, 8-90.....1931	8-3 1/4 x 5	1 1/2 B	1/2 B	.012	.008 H	.008 H	.....	.....	.....	.....	.025	.024	10B	3 1/2 B	Adv	5	5	1 1/2	.....	.....	.....	.....	32	
33	Cadillac V-63.....1925	8-3 1/4 x 5 1/4	.....	.....	.....	.004 C	.006 C	.....	.....	.....	.....	.023	.018	.....	.....	Adv	.....	.....	.....	.....	.....	.....	.....	33	
34	Cadillac 314.....1926-27	8-3 1/4 x 5 1/4	18B	5 1/2 B	.....	.004 C	.006 C	.....	.....	72-3 1/4	.....	.032	.022	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34	
35	Cadillac 341-A.....1928	8-3 1/4 x 4 1/4	9 1/2 B	3B	.....	.004 C	.006 C	.....	.....	160-2 1/4	.....	.026	.022	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35	
36	Cadillac 341-B.....1929	8-3 1/4 x 4 1/4	9 1/2 B	3B	.....	.004 C	.006 C	.....	.....	160-2 1/4	.....	.026	.022	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36	
37	Cadillac 353.....1930	8-3 1/4 x 4 1/4	11B	3 1/2 B	.....	.004 C	.006 C	.....	.....	160-2 1/4	.....	.028	.020	71/3B	2 1/4 B	Adv	2	2	1 1/2	.....	.....	.....	.....	37	
38	Cadillac 452.....1930-31	16-3x4	TC	TC	.....	AA	AA	.....	2.089	50-1 1/2	.....	.025	.018	10 1/4 B	3 1/4 B	Adv	2	2	1 1/2	.....	.....	.....	.....	38	
39	Cadillac 370.....1931	12-3 1/4 x 4	TC	TC	.....	AA	AA	.....	2.089	50-1 1/2	.....	.025	.020	15B	4 1/4 B	Adv	2	2	1 1/2	.....	.....	.....	.....	.....	39







# TUNE-UP and SERVICE SPECIFICATIONS

Line Number	CAR, MAKE AND MODEL	No. Cylinders, Bore and Stroke	VALVE TIMING			OPERATING TAPPET CLEARANCE		VALVE SPRINGS			IGNITION				FRONT AXLE					
			Inlet Opens °TC	Inlet Opens Flywheel Teeth—TC	Inlet Tappet Gap (Ins.)	Inlet (Ins.)	Exhaust (Ins.)	Outer Free Length (Ins.)	Inner Free Length (Ins.)	Pressure (Lbs. at Ins.)		Spark Plug Gap (Ins.)	Breaker Point Gap (Ins.)	Timing		Coil Draw Engine Stopped (Amps.)	Total Caster (Deg.)	Wheel Cam. (Deg.) I Wh.	Wheel Camber (Ins.) I Wheel	Toe in (Ins.)
										Outer	Inner			Spark Occurs °TC	No. Flywheel Teeth Spark Occurs—TC					
1	du Pont E...	1927-28-29	6-3 3/4x5																	
2	du Pont F...	1928	6-3 3/4x5																	
3	du Pont G...	1929-30-31	8-3 3/4x4 1/2	5A	1A	.006	.008				.023	.022	TC	TC	Ret	4				
4	Durant 55...	1928-29	6-2 1/4x4 3/4	4A	1A	.012	.007 H				.026	.018	TC	TC	Ret	1				
5	Durant 65...	1928-29	6-2 1/4x4 3/4	4A	1A	.012	.007 H				.026	.017	TC	TC	Ret	1				
6	Durant 75...	1928-29	6-3 3/4x4 3/4	5A	1 1/2 A	.010	.006 H				.025	.020	8B	2 1/2 B	Adv	1				
7	Durant 40...	1929-30	4-3 3/4x4 3/4	4A	1 1/2 A	.012	.006 H				.027	.018	TC	TC	Ret	1				
8	Durant 60...	1929-30	6-2 1/4x4 3/4	4A	1A	.008	.006 H				.025	.020	16B	5B	Adv	4 1/2				
9	Durant 66...	1929-30	6-2 1/4x4 3/4	4A	1A	.012	.006 H				.025	.020	8 1/2 B	2 1/2 B	Adv	1				
10	Durant 70...	1929-30	6-3 3/4x4 3/4	5A	1 1/2 A	.010	.006 H				.025	.020	8B	2 1/2 B	Adv	1				
11	Durant 6-14...	1930-31	6-3 1/4x4	5A	1 3/4 A	.008	.008				.025	.020	6	2		1 1/2				
12	Durant 6-17...	1930-31	6-3 3/4x4 3/4	5A	2A	.006 H	.006 H				.025	.020	6 1/2	2		1 1/2				
13	Elcar 6-70...	1927-28-29	6-2 1/4x4 3/4	TC	TC	.010	.006 H				.025	.021	TC	TC	Ret					
14	Elcar 8-82...	1927	8-2 1/4x4 3/4	TC	TC	.010	.006 H				.028	.020	TC	TC	Ret					
15	Elcar 90, 91, 92...	1927-29	8-3 3/4x4 1/2	TC	TC	.010	.006 H				.028	.021	6B	2B	Adv					
16	Elcar 8-78...	1928-29	8-2 1/4x4 3/4	TC	TC	.010	.006 H				.028	.020	TC	TC	Ret					
17	Elcar 8-82...	1928-29	8-2 1/4x4 3/4	TC	TC	.010	.006 H				.028	.020	TC	TC	Ret					
18	Elcar 75...	1929-30	6-2 1/4x4 3/4	TC	TC	.010	.006 H				.025	.021	TC	TC	Ret	4				
19	Elcar 95, 96...	1929-30	8-2 1/4x4 3/4	TC	TC	.010	.006 H				.028	.020	TC	TC	Ret	4				
20	Elcar 120...	1929-30	8-3 1/4x4 1/2	TC	TC	.010	.006 H				.028	.021	6B	2B	Adv	4				
21	Elcar 130, 140...	1930	8-3 1/4x4 1/2	TC	TC	.009	.006 H				.030	.024	8B		Adv					
22	Elcar 75-A...	1930	6-2 1/4x4 3/4	TC	TC	.006	.006 H				.030	.018	TC	TC	Adv	4				
23	Erskine Six 51...	1928	6-2 1/4x4 1/2	5A	1 1/2 A	.008	.008 H				.025	.018	7 1/2 A	2A	Ret					
24	Erskine Six 52...	1929-30	6-2 1/4x4 1/2	5A	1 1/2 A	.008	.008 H				.026	.019	7 1/2 A	2A	Ret	4 1/2	1-1 1/2			
25	Erskine Six 53...	1930	6-3 1/4x4 1/2	5A	1 1/2 A		.004 H				.020	.020	7 1/2 A	2 1/2 A	Ret	4				
26	Essex...	1925-26-27-28	6-2 1/4x4 1/2	7A	2A		.004 H				.026	.018				1 1/2				
27	Essex Super 6...	1928-29	6-2 1/4x4 1/2	7A	2A		.004 H				.026	.018				1				
28	Essex Challenger 6...	1929	6-2 1/4x4 1/2	7A	2A		.004 H				.027	.020	7 1/2 A	2A	Ret					
29	Essex Super 6...	1930	6-2 1/4x4 1/2				.004 H				.022	.020	TC	TC	Adv	5				
30	Essex Super 6...	1931	6-2 1/4x4 1/2				.004 H				.022	.020	TC	TC	Adv	1				
31	Falcon Knl. 12...	1928-29	6-2 1/4x3 3/4	1 1/2 A	SI	SI	SI	SI	SI	SI	.026	.020	8B	2B	Adv	1 1/2				
32	Ford T...	1925-26-27	4-3 3/4x4			.015 C	.015 C				.023					2				
33	Ford A...	1928	4-3 3/4x4 1/2	7 1/2 B	2B	.014	.014 C				.025	.020	TC	TC	Ret					
34	Ford A...	1929-30-31	4-3 3/4x4 1/2	7 1/2 B	2B	.014	.013 C				.035	.022				5				
35	Franklin 11...	1925-26	6-3 1/4x4	TC	TC	.031	.010 C				.020	.027	6B	2B	Adv	4 1/2				
36	Franklin 11B...	1927-28	6-3 1/4x4	TC	TC	.031	.010 C				.020	.027	6B	2B	Adv	3				
37	Franklin 12 Air...	1928	6-3 1/4x4 3/4	TC	TC	.031	.010 C				.028	.020	8B	3B	Adv	1				
38	Franklin 130...	1929	6-3 1/4x4 3/4	TC	TC	.031	.012 C				.025	.020	13B		Adv	3 1/2				
39	Franklin 137...	1929	6-3 1/4x4 3/4	TC	TC	.031	.012 C				.025	.020	13B		Adv	1				



40	Franklin 145, 147...	1930	6-3 1/2 x 4 3/4	12A	4A	007	007	2 1/2	2 1/2	32-2 1/2	17-2	025	020	8B	2 3/4 B	Adv	4	1	2	3 1/2	0-1/2	40
41	Franklin Ser. 15...	1931	6-3 1/2 x 4 3/4	28A	9 3/4 A	003	006					025	020	8B	2 3/4 B	Adv	4	1	2	3 1/2	0-1/2	41
42	Gardner 6-B...	1927	6-3 1/2 x 4 3/4	TC	TC	010	007 H	007 H				025	025	TC	TC	Ret						42
43	Gardner Ser. 90	1927-28	8-3 3/4 x 4 1/2	TC	TC	010	007 H	007 H				027	020	6B	2B	Adv						43
44	Gardner 75, 80...	1928-29	8-2 3/4 x 4 3/4	TC	TC	010	007 H	007 H	2 3/8	89-1		027	020	TC	TC	Ret						44
45	Gardner 95...	1928	8-3 1/4 x 4 1/2	TC	TC	010	007 H	007 H	2 3/8	89-1		027	021	6B	2B	Adv						45
46	Gardner 85, 125...	1928-29	8-2 3/4 x 4 3/4	TC	TC	010	007 H	007 H	2 3/8	89-1		027	020	TC	TC	Ret						46
47	Gardner 130, 150...	1929-30	8-3 1/4 x 4 1/2	TC	TC	010	007 H	007 H	2 3/8	831-1		027	021	6B	2B	Adv						47
48	Gardner 136...	1930-31	6-2 3/4 x 4 3/4	5B	1 1/2 B	006 H	008 H	008 H	2 3/8	89-1		030	022	8B	2B	Adv						48
49	Gardner 140...	1930	8-2 3/4 x 4 3/4	TC	TC	006 H	008 H	008 H	2 3/8	89-1		030	022	6B	1 1/2 B	Adv						49
50	Gardner 148...	1931	8-2 3/4 x 4 3/4	TC	TC	006 H	008 H	008 H	2 3/8	89-1		030	022	6B	1 1/2 B	Adv						50
51	Gardner 150, 158...	1930-31	8-3 1/4 x 4 1/2	TC	TC	006 H	008 H	008 H	2 3/8	831-1		030	022	6B	2B	Adv						51
52	Graham Std. 6...	1930	6-3 1/4 x 4 1/2	TC	TC	010 H	010 H	010 H	2 3/8	53-2		025	020	1B	1/3 B	Adv						52
53	Graham Std. 8...	1930	8-3 1/4 x 4 1/2	TC	TC	010 H	010 H	010 H	2 3/8	53-2		025	020	5B	1 1/2 B	Adv						53
54	Graham Cus. 8...	1930	8-3 3/8 x 4 1/2	2A	1 1/2 A	010 H	010 H	010 H	2 3/8	43-2 3/8		023	020	2B	1/2 B	Adv						54
55	Graham Std. Spec. 6	1931	6-3 1/4 x 4 1/2	TC	TC	010 H	010 H	010 H	2 3/8			025	020	1B	1/3 B	Adv						55
56	Graham Spec. 8-20	1931	8-3 3/8 x 4	TC	TC	010 H	010 H	010 H	2 3/8			025	020	6B		Adv						56
57	Graham Cus. 8-34	1931	8-3 3/8 x 4 1/2	TC	TC	010 H	010 H	010 H	2 3/8			025	020	5B	1 1/2 B	Adv						57
58	Grah.-Palge 610	1928-29	6-2 3/4 x 4 1/2	TC	TC	006 H	010 H	010 H	2 3/8	53-2		026	017	7B	2B	Adv						58
59	Grah.-Palge 614	1928-29	6-3 3/8 x 4 1/2	TC	TC	006 H	010 H	010 H	2 3/8	53-2		024	019	6B	2B	Adv						59
60	Grah.-Palge 619	1928-29	6-3 1/2 x 5	TC	TC	010 H	010 H	010 H	2 3/8	53-2		026	020	6B	2B	Adv						60
61	Grah.-Palge 835	1928-29	8-3 3/8 x 4 1/2	2A	1 1/2 A	008 H	008 H	008 H	2 3/8	43-2 3/8		024	018	8B	3B	Adv						61
62	Graham-Palge 612	1929	6-3 x 4 1/2	TC	TC	006 H	010 H	010 H	2 3/8	52-2		027	020	7B	2B	Adv						62
63	Graham-Palge 612	1930	6-3 1/4 x 4 1/2	TC	TC	010 H	010 H	010 H	2 3/8	52-2		023	020	1B		Adv						63
64	Graham-Palge 615	1929	6-3 1/4 x 4 1/2	TC	TC	006 H	010 H	010 H	2 3/8	52-2		024	019	6B	2B	Adv						64
65	Graham-Palge 621	1929	6-3 1/2 x 5	TC	TC	010 H	010 H	010 H	2 3/8	52-2		026	020	6B	2B	Adv						65
66	Graham-Palge 827	1929	8-3 3/8 x 4 1/2	2A	1 1/2 A	008 H	008 H	008 H	2 3/8	43-2 3/8		024	019	8B	3B	Adv						66
67	Hudson...	1925-26-27	6-3 1/2 x 5	TC	TC	006 H	008 H	008 H	2 3/8			025	017	TC	TC	Ret						67
68	Hudson Super 6...	1927	6-3 1/2 x 5	TC	TC	005 H	007 H	007 H	3	75-1	26-1	028	020	3A	3A	Adv						68
69	Hudson O. S...	1928	6-3 1/2 x 5	TC	TC	005 H	007 H	007 H	3	75-1	26-1	028	020	3A	3A	Adv						69
70	Hudson Greater...	1929	6-3 1/2 x 5	TC	TC	005 H	007 H	007 H	3	75-1	26-1	028	020	3A	3A	Adv						70
71	Hudson Great 8...	1930	8-2 3/4 x 4 1/2			005	007	007	2 3/8	50-2		022	020	TC	TC	Adv						71
72	Hudson Great 8...	1931	8-2 3/4 x 4 1/2			004	006	006	2 3/8			022	020	TC	TC	Adv						72
73	Hupmobile R...	1925	4-3 1/4 x 5 1/2			006 H	006 H	006 H				023		TC	TC	1/3A						73
74	Hupmobile E-1...	1925	8-2 3/4 x 4 3/4											TC	TC							74
75	Hupmobile A-1	1926-27	6-3 1/4 x 4 3/4	4A	1A	010	008 H	008 H	3 3/8	55-2		023	022	TC	TC	1/2 Adv						75
76	Hupmobile E-2...	1926	8-3 x 4 3/4	TC	TC	010	007 H	007 H	3 3/8	81-2		028	025	TC	TC	1/2 Adv						76
77	Hupmobile E-3...	1927	8-3 x 4 3/4	TC	TC	010	007 H	007 H	3 3/8			028	025	TC	TC	1/2 Adv						77
78	Hupmobile A-5...	1928	6-3 1/4 x 4 3/4											TC	TC							78
79	Hup. Cent. 6, A6	1928-29	6-3 1/4 x 4 3/4	4A	1A	010	008 C	008 C	3 3/8	55-2		023	017	TC	TC	Ret						79
80	Hup. Cent. 8, M...	1928-29	8-3 x 4 3/4	4A	1A	010	007 H	007 H	3 3/8	81-2		029	020	9B	TC	Adv						80
81	Hup. 125 (E-4)	1928	8-3 x 4 3/4	TC	TC	010	007 H	007 H	3 3/8			027	025	TC	TC	1/2 Adv						81
82	Hupmobile S...	1930	6-3 1/4 x 4 3/4	4A	1A	008 C	008 C	008 C	2 3/8	80-2		025	018	TC	TC	Ret						82
83	Hupmobile C...	1930	8-3 x 4 3/4	4A	1 1/2 A	008 C	009 C	009 C	2 3/8	46-2	44-2	030	020	9B	2 3/4 B	Adv						83
84	Hupmobile H. U.	1930	8-3 1/4 x 4 3/4							46-2	44-2											84
85	Hupmobile S-2...	1931	6-3 1/4 x 4 1/2	4A	1A	008 C	008 C	008 C	2 3/8			025	018									85
86	Hupmobile L...	1931	8-2 3/4 x 4 3/4	1A		007 C	015 C	015 C				030	020									86
87	Hupmobile C...	1931	8-3 x 4 3/4	1A		007 C	015 C	015 C				030	020									87
88	Hupmobile H. U.	1931	8-3 1/4 x 4 3/4	1A		007 C	015 C	015 C				030	020									88
89	Jewett 6-50...	1925	6-3 1/4 x 5	TC	TC	006 H	010 H	010 H	2 3/8	52-2		027	017	10B	3 3/4 B	Adv						89
90	Jordan K. L...	1925	6-3 1/4 x 4 3/4	12A	4A	008	004 C	006 C		52-2		025	020									90
91	Jordan A...	1926	8-3 x 4 3/4			008	004 H	006 H		67-2		025	018	TC	TC	1/2 Adv						91
92	Jordan J. J-1	1927-28	8-2 3/4 x 4 3/4			008	004 H	006 H		61-1	26-1	025	018									92
93	Jordan A.A...	1927	8-3 x 4 3/4			008	004 H	006 H		52-2		025	018	TC	TC	1/2 Adv						93
94	Jordan R...	1927-28	6-3 1/4 x 4			008	005 H	006 H		99-2		028	020									94
95	Jordan J.E...	1928	8-3 x 4 3/4			008	004 H	006 H		103-1		030	018									95
96	Jordan E...	1929	6-3 3/4 x 4 3/4	5A		004	006	006		103-2		030	024	8B		Adv						96
97	Jordan Gt. 90...	1929	8-3 x 4 3/4	8A		004	006	006		103-1		030	024	8B		Adv						97
98	Jordan R.E...	1929	6-3 3/4 x 4			008	005 H	006 H		99-2		028	020									98
99	Jord. U. 70, 80...	1930, 31	8-2 3/4 x 4 3/4	8A	2 1/2 A	006	007	007		103-1		030	024	8B	2 3/4 B	Adv						99
100	Jordan 90...	1930-31	8-3 x 4 3/4	8A	2 1/2 A	006	0075	0075		103-1		030	024	15B		Adv						100
101	Jordan Z Speedway	1930	8-3 3/4 x 4 1/2	2A	1 1/2 A	010	010	010	2 3/8	43-2 3/8		030	024	8B		Adv						101
102	Kissel 6-55	1925-6-7-8	6-3 1/4 x 5 1/2																			102
103	Kissel 8-75...	1925-6-7	8-3 1/4 x 4 3/																			



# TUNE-UP and SERVICE SPECIFICATIONS

Line Number	CAR, MAKE AND MODEL	No. Cylinders, Bore and Stroke	VALVE TIMING			OPERATING TAPPET CLEARANCE		VALVE SPRINGS				IGNITION				FRONT AXLE				Line Number			
			Inlet Opens °TC	Inlet Opens Flywheel Teeth—TC	Inlet Tappet Gap (Ins.)	Inlet (Ins.)	Exhaust (Ins.)	Outer Free Length (Ins.)	Inner Free Length (Ins.)	Pressure (Lbs. at Ins.)		Spark Plug Gap (Ins.)	Breaker Point Gap (Ins.)	Timing			Coil Draw Engine Stopped (Amps.)	Total Caster (Deg.)	Wheel Cam. (Deg.) I Wh.		Wheel Camber (Ins.) I Wheel	Toe in (Ins.)	
										Outer	Inner			Spark Occurs °TC	No. Flywheel Teeth Spark Occurs—TC	Breaker Housing							
1	Kissel 8-95	1929-30	8-2 1/4 x 4 3/4	TC	TC	.010	.007 H	.007 H	2 3/4	2 3/4	89-1		.027	.021	TC	TC	Ret						1
2	Kissel 8-126	1929-30	8-3 1/4 x 4 1/2	TC	TC	.010	.007 H	.007 H	2 3/4	2 3/4	83-1		.027	.021	6B	2B	Adv						2
3	LaSalle 303	1927-28	8-3 1/4 x 4 1/2	9 1/4 B	3B		.004 C	.006 C	2 3/4	2 3/4	79-2		.027	.023			Adv						3
4	LaSalle 328	1929	8-3 1/4 x 4 1/2	9 1/4 B	3B		.004 C	.006 C	2 3/4	2 3/4	79-2		.027	.023			Adv						4
5	LaSalle 340	1930	8-3 1/4 x 4 1/2	11B	3 1/2 B		.004 C	.006 C	2 3/4	2 3/4	79-2		.028	.022	7-1/3 B	2 3/4 B	Adv						5
6	LaSalle 345	1931	8-3 1/4 x 4 1/2	9B	2 3/4 B		.004 C	.006 C	2 3/4	2 3/4	79-2		.025	.022	7-1/3 B	2 3/4 B	Adv						6
7	Lincoln	1925-6-7	8-3 1/4 x 5	2 1/2 B	1B	.004	.004 C	.004 C	2 3/4	2 3/4	79-2		.028	.020	5A	1 1/2 A	Ret						7
8	Lincoln	1928-29-30	8-3 1/4 x 5	2 1/2 B	1B	.004	.004 C	.004 C	2 3/4	2 3/4	79-2		.028	.020			Ret						8
9	Lincoln	1931	8-3 1/4 x 5	2 1/2 B	8B		.004 C	.004 C	2 3/4	2 3/4	79-2		.028	.020									9
10	Locomobile 48	1925	8-4 1/4 x 5 1/2																				10
11	Locomobile Jr. 81	1925-26	8-2 1/4 x 4	TC	TC	.007	.005 H	.007 H	2 3/4	2 3/4			.025	.019		3A	Ret						11
12	Loco. 48-9-10	1926-7-8	6-4 1/4 x 5 1/4	20B	TC		.002 C	.002 C					.027	.020	10A		Ret						12
13	Locomo. 90	1927-28-29	6-3 3/4 x 5 1/4	TC	TC		.003 C	.003 C					.018	.018	TC	TC	Ret	6.3					13
14	Locomobile 8-66	1927	8-2 1/4 x 4	TC	TC	.007	.005 H	.007 H					.025	.019		3A	Ret						14
15	Loco. 8-70	1928-29	8-2 1/4 x 4 3/4	SA	2 1/2 A	.007	.004 C	.006 C					.025	.022	TC	TC	Ret						15
16	Locomobile 86	88 1929	8-3 1/4 x 4 1/2	TC	TC		.010 C	.010 C	2 3/4	2 3/4	83-1		.018	.018	TC	TC	Ret	6.3					16
17	Marmon 74	1925-26-27	6-3 3/4 x 5 1/8	13A	5A	.014	.008 H	.008 H	2 3/4	2 3/4	69-1		.030	.026	13B	7B	Adv						17
18	Marmon Little	1927	8-2 3/4 x 4	6B	1 1/2 B	.013	.006 H	.006 H	2 3/4	2 3/4	70-2		.026	.021		5B	Adv						18
19	Marmon E-75	1927-28	6-3 3/4 x 5 1/4	13A	5A	.014	.008 H	.008 H	3 3/4	2 3/4	69-1		.030	.026	18B	7B	Adv						19
20	Marmon 68	1928	8-2 3/4 x 4 1/4	6B	1 1/2 B	.010	.008 H	.008 H	2 3/4	2 3/4	80-1		.025	.020	7 1/2 B	2B	Adv						20
21	Marmon 68	1929	8-2 3/4 x 4 1/4	6B	1 1/2 B	.010	.007 H	.007 H	2 3/4	2 3/4	80-1		.025	.020	7 1/2 B	2B	Adv						21
22	Marmon 78	1928-29	8-2 1/4 x 4	6B	1 1/2 B		.007 H	.007 H	2 3/4	2 3/4	79-2		.025	.020	7 1/2 B	2B	Adv	4.5					22
23	Mar. Roosev.	1930-31	8-2 3/4 x 4 1/4	6B	1 1/2 B		.007 H	.007 H	2 3/4	2 3/4	80-1		.025	.020	7 1/2 B	2B	Adv	4.5					23
24	Mar. Big Eight	1930-31	8-3 1/4 x 4 3/4	TC	TC		.008 H	.008 H	2 3/4	2 3/4	100-2		.025	.022	5-2/3 B	2B	Adv	4.7					24
25	Mar. 69, 70	1930-31	8-2 1/4 x 4 1/4	6B	1 1/2 B		.007 H	.007 H	2 3/4	2 3/4	80-1		.025	.022	7 1/2 B	2B	Adv	4.7					25
26	Mar. Eight 79	1930-31	8-3 1/4 x 4 3/4	TC	TC		.008 H	.008 H	2 3/4	2 3/4	100-2		.025	.022	5-2/3 B	2B	Adv	4.7					26
27	Marmon 88	1931	8-3 1/4 x 4 3/4	TC	TC		.008 H	.008 H	2 3/4	2 3/4	100-2		.028	.022	5-2/3 B	2B	Adv	4.7					27
28	Marmon 16	1931	16-3 1/4 x 4	6B	2B		.008	.008															28
29	Marquette	1929-30	6-3 1/4 x 4 3/8	5B	1 1/2 B		.006	.006					.022	.022	7A	2 1/4 A	Ret	5					29
30	McFarlan SV	1925-26	6-3 3/4 x 5																				30
31	McFarlan TV	1925-6-7-8	6-4 1/4 x 6																				31
32	McFarlan Str. 8	1926-7-8	8-3 1/4 x 4 1/2	TC	TC	.010	.005 H	.007 H	2 3/4	2 3/4	83-1		.028	.020	6B	2B	Adv						32
33	Moon Ser. A	1925-6-7-8	6-3 1/4 x 4 1/4	4A	1A	.008	.004 H	.006 H					.027	.017									33
34	Moon 6-60	1927-8-9	6-2 3/4 x 4 3/8	4A	1A	.008	.004 H	.006 H					.027	.020									34
35	Moon 6-72	1928-29	6-3 3/4 x 4	5A	1A	.008	.004 H	.006 H	2 1/4	2 1/4	103-2		.025	.018			Ret						35
36	Moon 8-80	1928-29	8-3 x 4 1/4	8A	2A	.008	.004 H	.006 H	2 3/4	2 3/4	103-1		.028	.018			Adv						36
37	Nash Adv. 6	1925-26	6-3 1/4 x 5	15A	5A	.010	.010 H	.010 H					.028	.017	TC	TC	Ret						37
38	Nash Spec. 6	1925-26	6-3 1/4 x 4 1/2	15A	5A	.010	.010 H	.010 H					.028	.017	TC	TC	Ret						38
39	Nash Light 6	1925-6-7	6-3 x 4	5A	1 1/4 A	.005	.005 H	.005 H					.026	.022	TC	TC							39







# TUNE-UP and SERVICE SPECIFICATIONS

Line Number	CAR, MAKE AND MODEL	No. Cylinders, Bore and Stroke	VALVE TIMING			OPERATING TAPPET CLEARANCE		VALVE SPRINGS				IGNITION				FRONT AXLE				Line Number		
			Inlet Opens °TC	Inlet Opens Flywheel Teeth—TC	Inlet Tappet Gap (Ins.)	Inlet (Ins.)	Exhaust (Ins.)	Outer Free Length (Ins.)	Inner Free Length (Ins.)	Pressure (Lbs. at Ins.)		Spark Plug Gap (Ins.)	Breaker Point Gap (Ins.)	Timing			Coil Draw Engine Stopped (Amps.)	Total Caster (Deg.)	Wheel Cam. (Deg.) I Wh.		Wheel Camber (Ins.) I Wheel	Toe in (Ins.)
										Outer	Inner			Spark Occurs °TC	No. Flywheel Teeth Spark Occurs—TC	Breaker Housing						
1	Plymouth.....1929-30	4-3 3/8 x4 1/4	5A	1 1/2 A	.008	.004 H	.006 H	.....	.....	39-1 1/2	.....	.028	.020	.....	.....	Adv	.....	1-2	4	.....	1/2 - 3/4	1
2	Plymouth.....1930	4-3 3/8 x4 1/4	5A	1 1/2 A	.008	.004 H	.006 H	.....	.....	39-1 1/2	.....	.027	.018	.050* B	.....	Adv	.....	1-2	4	.....	1/2 - 3/4	2
3	Plymouth.....1931	4-3 3/8 x4 1/4	TC	TC	.....	.005 H	.007 H	.....	.....	.....	.....	.025	.020	.050* B	.....	Adv	.....	1 1/2	2	.....	1/2 - 3/4	3
4	Pontiac 6-27....1926-27	6-3 1/4 x3 3/8	7A	2A	.009	.009 H	.009 H	.....	.....	35-1 1/4	.....	.022	.022	.....	.....	.....	.....	4 1/2	1 1/2	.....	1/2 - 3/4	4
5	Pontiac 6-28....1928	6-3 1/4 x3 3/8	7A	2A	.008	.008 H	.008 H	.....	.....	35-1 1/4	.....	.023	.023	7B	2B	.....	.....	4 1/2	1 1/2	.....	1/2 - 3/4	5
6	Pontiac.....1929-30-31	6-3 1/4 x3 3/8	7A	2A	.....	.008 H	.008 H	.....	.....	35-1 1/4	.....	.025	.022	4B	1 1/2 B	Ret	5	14 1/2	1 1/2	.....	1/2 - 3/4	6
7	Reo T-6.....1925-6-7	6-3 1/4 x5	.....	.....	.....	.005 H	.005 H	.....	.....	51-2 1/2	.....	.026	.019	TC	TC	Ret	.....	.....	.....	.....	1/2 - 3/4	7
8	Reo Fly. Cld. A 1927-28	6-3 1/4 x5	TC	TC	.007	.004 H	.006 H	.....	.....	90-2 1/2	.....	.029	.018	.....	.....	Adv	.....	2 1/4	1 1/2	.....	1/2 - 3/4	8
9	Reo Wolverine B 1927-28	6-3 1/4 x4	.....	.....	.....	.005 H	.007 H	.....	.....	93-2 1/2	.....	.028	.020	.....	.....	.....	.....	2 1/4	1 1/2	.....	1/2 - 3/4	9
10	Reo F. Cld. C. Mt. 1929-30	6-3 3/8 x5	TC	TC	.007	.005 H	.007 H	.....	.....	90-2 1/2	.....	.028	.018	.....	.....	Adv	.....	2 1/4	1 1/2	.....	1/2 - 3/4	10
11	Reo Wolverine B. 1929	6-3 3/8 x4	.....	.....	.....	.005 H	.007 H	.....	.....	.....	.....	.025	.020	.....	.....	Adv	.....	2 1/4	1 1/2	.....	1/2 - 3/4	11
12	Re F. C., B2, Mt. 1929-30	6-3 3/8 x4	.....	.....	.....	.005 H	.007 H	.....	.....	.....	.....	.025	.020	.....	.....	Adv	.....	2 1/4	1 1/2	.....	1/2 - 3/4	12
13	Reo 15.....1930	6-3 3/8 x4	.....	.....	.....	.007 H	.007 H	.....	.....	.....	.....	.025	.020	.....	.....	.....	.....	2 1/4	1 1/2	.....	1/2 - 3/4	13
14	Reo 25N.....1931	6-3 3/8 x5	TC	TC	.....	.007 H	.007 H	.....	.....	90-2 1/2	.....	.025	.020	.....	.....	Adv	.....	2 1/4	1 1/2	.....	1/2 - 3/4	14
15	Reo 30N, Roy. 35N 1931	8-3 3/8 x5	TC	TC	.....	.008 H	.008 H	.....	.....	85-2 1/2	.....	.025	.020	15A	.....	Ret	4.5	3 1/2	1 1/2	.....	1/2 - 3/4	15
16	Rickenbacker D.....1925	6-3 1/4 x4 3/4	TC	TC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
17	Rickenbacker 6-70 1927	6-3 1/4 x4 3/4	TC	TC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
18	Rickenbacker 8-90 1927	8-3 3/4 x4 3/4	TC	TC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
19	Rickenbacker 8-90 1927	8-3 1/4 x4 3/4	TC	TC	.....	.008 H	.008 H	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
20	Roamer 8-88.....1926-30	8-3 1/4 x4 1/2	TC	TC	.010	.005 H	.007 H	.....	.....	.....	.....	.028	.021	6B	2B	Adv	.....	.....	.....	.....	.....	20
21	Roa. 8-80, 1927 8-9-30	8-3 1/4 x4 1/2	TC	TC	.010	.005 H	.007 H	.....	.....	.....	.....	.028	.021	6B	2B	Adv	.....	.....	.....	.....	.....	21
22	Roa. 8-78, 1927 8-9-30	8-2 1/4 x4 3/4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5A	.....	Ret	.....	.....	.....	.....	.....	22
23	Roosevelt.....1929	8-2 3/4 x4 1/4	6B	1 1/2 B	.010	.006 C	.006 C	.....	.....	.....	.....	.025	.021	7 1/2 B	2B	Adv	.....	4 1/2	1 1/2	.....	.....	23
24	Star F.....1925	4-3 1/8 x4 1/4	4A	1 1/4 A	.....	.007 H	.007 H	.....	.....	.....	.....	.027	.018	.....	.....	.....	.....	3	2	.....	.....	24
25	Star F.....1925-26	4-3 1/8 x4 1/4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	2	.....	.....	25
26	Star M.....1926-27-28	4-3 3/8 x4 1/4	4A	1 1/4 A	.....	.006 H	.006 H	.....	.....	.....	.....	.028	.018	TC	TC	Ret	.....	.....	.....	.....	.....	26
27	Star R.....1926-27-28	6-2 1/4 x4 3/4	4A	1 1/4 A	.012	.006 H	.006 H	.....	.....	.....	.....	.028	.020	TC	TC	Ret	.....	.....	.....	.....	.....	27
28	Stearns-Knight C. 1925	6-3 1/4 x5	.....	.....	.....	SI	SI	SI	SI	SI	SI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
29	Stearns-Knl. B. 1925-26	4-3 3/8 x5 3/8	.....	.....	.....	SI	SI	SI	SI	SI	SI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29
30	Stearns-Knl. S-6.....1925	6-3 3/8 x5	.....	.....	.....	SI	SI	SI	SI	SI	SI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30
31	Stearns-Knl. S-95. 1926	6-3 3/8 x5	.....	.....	.....	SI	SI	SI	SI	SI	SI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31
32	Stearns-Knl. C-75. 1926	6-3 1/4 x5	.....	.....	.....	SI	SI	SI	SI	SI	SI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
33	Stearn'-K. F6-85 1927-28	6-3 1/4 x5	.....	.....	.....	SI	SI	SI	SI	SI	SI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33
34	Stearn'-K. G8-85 1927-28	8-3 1/4 x5	.....	.....	.....	SI	SI	SI	SI	SI	SI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
35	St.-K. HJ8-90 1928-9-30	8-3 1/4 x5	.....	.....	.....	SI	SI	SI	SI	SI	SI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35
36	St.-K. MN6-80. 1928-29	6-3 3/8 x4 3/4	6A	.....	.....	SI	SI	SI	SI	SI	SI	.028	.018	8B	.....	Adv	4	1	1	.....	.....	36
37	Stu. Std. 6, ER 6 1925-6-7	6-3 1/4 x4 1/2	10A	.....	.....	SI	SI	SI	SI	SI	SI	.028	.018	12B	.....	Adv	4	1-1 1/2	1	.....	.....	37
38	Stu. Sp. 6, EQ 6 1925-26	6-3 1/4 x5	.....	.....	.....	.006 H	.006 H	.....	.....	87-1 1/4	.....	.026	.019	.....	.....	.....	.....	1-1 1/2	2	.....	.....	38
39	Stu. Big 6, EP 6 1925-26	6-3 3/8 x5	.....	.....	.....	.006 H	.006 H	.....	.....	57-1 1/4	.....	.026	.019	.....	.....	.....	.....	1-1 1/2	2	.....	.....	39



