

# 1982 Passenger Car Tune-Up

ENGINE	IGNITION TIMING*		SPARK PLUGS		FUEL SYSTEMS	No.
	Man. Trans.	Auto. Trans.	Type	Gap	Make & Type	
<b>AMC</b>						
2.5L (151") 4-Cyl.						
Fed.	10@900⓪	10@700⓪	AC R44TSX	.060"	Roch E2SE②	1
Calif.	8@900	8@700	AC R44TSX	.060"	Roch E2SE	2
Hi. Alt.	15@900	15@700	AC R44TSX	.060"	Roch E2SE	3
4.2L (258") 6-Cyl.	15@600⓪	15@500⓪	CH RFN14LY	.036"	Carter BBD	4
<b>CHRYSLER CORP.</b>						
1.7L (105") 4-Cyl.	20@850	12@900	MP 65PR	.035"	Holley 6520	5
2.2L (135") 4-Cyl.						
w/o Feedback Carb.	12@850	12@900	MP 65PR	.035"	Holley 5220	6
w/Feedback Carb.	12@850	12@900	MP 65PR	.035"	Holley 6520	7
2.6L (156") 4-Cyl.	7@800	7@800	MP 65PR	.041"	Mikuni	8
3.7L (225") 6-Cyl.						
Fed.	.....	12@625	CH RBL-164	.035"	Holley 1945	9
Calif.	.....	12@725	CH RBL-164	.035"	Holley 6145	10
5.2L (318") V8						
2-Bbl.	.....	16@600	MP 65PR	.035"	Carter BBD	11
4-Bbl.	.....	16@650	MP 65PR4	.035"	Carter Thermo-Quad	12
EFI	.....	12@580	MP 68ER	.048"	Chrysler EFI	13
<b>FORD MOTOR CO.</b>						
1.6L (98") 4-Cyl.	10@800	10@800	AL AGSP-32	.044"	MCFT 740	14
2.3L (140") 4-Cyl.	6@700	12@700	AL AWSF-42	.034"	MCFT 5200 or 6500	15
3.3L (200") 6-Cyl.	.....	10@900⓪	AL BSF-92	.050"	Holley 1946	16
3.8L (232") V6						
Fed.	12@800	10@800	AL AGSP-52	.044"	MCFT 2150	17
Calif.	12@800	12@800	AL AGSP-52	.044"	MCFT 7200VV	18
4.2L (255") V8	.....	8@800⓪	AL ASF-52	.050"	MCFT 2150⓪	19
5.0L (302") V8	12@800	8@800	AL ASF-52	.050"	MCFT 2150⓪⓪	20
5.8L (351") V8	.....	8@600⓪	AL ASF-42	.050"	MCFT 7200VV	21
<b>GENERAL MOTORS</b>						
1.6L (98") 4-Cyl.	18@800	18@700	AC R42TS	.035"	Holley 6510-C	22
1.8L (112") 4-Cyl.						
2-Bbl.	12@⓪	12@⓪	AC R42TS	.045"	Roch E2SE	23
TBI	8@800	8@800	AC R42XLS6	.060"	TBI	24
2.0L (122") 4-Cyl.	12@⓪	12@⓪	AC R42TS	.045"	Roch E2SE	25
2.5L (151") 4-Cyl.	8@1050	8@1050	ACR44TSX	.060"	TBI	26
2.8L (173") V6						
VIN 1	10@850	10@600	AC R43TS	.045"	Roch E2SE	27
VIN X	6@750⓪	10@750	AC R43TS	.045"	Roch E2ME	28
VIN Z	6@750⓪	10@750	AC R43TS	.045"	Roch E2ME	29
3.0L (181") V6	.....	15@⓪	AC R44TS8	.080"	Roch E2ME	30
3.8L (229") V6	.....	6@600	AC R45TS	.045"	Roch E2ME	31
3.8L (231") V6	.....	15@500	AC R45TS8	.080"	Roch E2ME⓪	32
4.1L (252") V6	.....	15@500	AC R45TS8	.080"	Roch E4ME	33
4.1L (250") V8	.....	10@450	AC R43NTS6	.060"	GM DFI	34
4.3L (260") V8	.....	20@1100	AC R46SX	.080"	Roch E2MC	35
4.4L (267") V8	.....	2@500	AC R45TS	.045"	Roch E2ME	36
5.0L (305") V8⓪	6@700	6@500	AC R45TS	.045"	Roch E4ME or GM EFI	37
5.0L (307") V8	.....	20@1100	AC R45SX	.080"	Roch E4MC	38
5.7L (350") V8	.....	⓪	AC R45TS	.045"	GM EFI	39
6.0L (368") V8	.....	10@375	AC R45NSX	.060"	GM EFI	40

**SPARK PLUGS:** AC — AC Delco; AL — Autolite; CH — Champion; MP — Mopar.

**CARBURETORS:** MCFT — Motorcraft; Roch — Rochester; DFI — Digital Fuel Injection; EFI — Electronic Fuel Injection; TBI — Throttle Body Injection.

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No.	HOT IDLE ★		FAST IDLE †			Remarks	
	Man. Trans.	Auto. Trans.	Man. Trans. RPM	Cam Step	Auto. Trans. RPM		
1	900/1250③	700/950④	2400	High	2600⑥	① - Eagle is 12° BTDC. ② - Man. Trans. uses Roch. 2SE. ③ - Without A/C is 500/900 RPM. ④ - Without A/C is 500/700 RPM. ⑤ - Eagle is 2500 RPM. ⑥ - Concord & Spirit w/o A/C. is 2400 RPM. Eagle w/o A/C. is 2500 RPM. ⑦ - Hi. Alt. Eagle is 19°; Hi. Alt. Concord & Spirit is 21°.	
2	900/1250③	700/950④	2400	High	2600⑥		
3	900/1250③	700/950④	2400⑤	High	2600⑥		
4	600	500	1850	2nd	1850		
5	850	900	1400	1st	1400	① - Set to 1200 RPM for carb. numbers R-9582A and R-9583A. ② - Set to 1500 RPM for carb. numbers R-9584A and R-9585A. ③ - See Emission Control Tune-Up Decal. ④ - Cordoba & Mirada is 725/900 RPM. All Hi. Alt. models are 730/885 RPM. ⑤ - Cordoba & Mirada is 2000 RPM. All Hi. Alt. models are 1800 RPM. ⑥ - Not adjustable.	
6	850	900	1300①	1st	1600②		
7	850	900	1300①	1st	1600②		
8	800	800	③	1st	③		
9	.....	625/875	.....	2nd	1600		
10	.....	675/850④	.....	2nd	1950⑤		
11	.....	600	.....	2nd	1400		
12	.....	650	.....	2nd	1400		
13	.....	580	.....	.....	④		
14	800/1500	800/1500	①	2nd	①		① - See Emission Control Label under hood. ② - 12° for Fed. and Hi. Alt. models. ③ - Calif. Thunderbird & Cougar is 12@800; All Hi. Alt. models are 14@800. ④ - Fed. Ford & Mercury with AOT use MCFT 7200VV. ⑤ - Continental & Mark VI models use EFI. ⑥ - EFI models are 550 RPM. ⑦ - Calibration 2-24P-R10 is 12@600.
15	850	800	①	2nd	①		
16	.....	450/600	.....	2nd	①		
17	550/650	550/650	2200	2nd	2200		
18	550/650	550/650	1200	2nd	1200		
19	.....	500/650	.....	High	①		
20	500	500②	①	High	①		
21	.....	①	.....	High	①		
22	700/1400	800/1150	2500	High	2500	① - 750 RPM for carb. numbers 17081601, 17082301 & 17082631; 700 RPM for 17081607 & 17082303; 800 RPM for 17081609 & 17082305. ② - 700 RPM for carb. numbers 17081600, 17082300 & 17082630; 830 RPM for 17081606 & 17082304. ③ - Non-adjustable. ④ - Federal man. trans. is 6@850 RPM. ⑤ - Federal man. trans. is 850 RPM. ⑥ - See Emission Control Decal under hood. ⑦ - Turbocharged models use Roch E4ME. ⑧ - Minimum speed with 1LC plunger fully retracted. ⑨ - See Emission Control Decal under hood for EFI models.	
23	①	②	2400	High	2300		
24	800	800	③	.....	③		
25	①	②	2400	High	2300		
26	900	750	③	.....	③		
27	600/700③	600/700	2600	High	2500		
28	800/1050	600/800	2400	High	2600		
29	750/1100⑤	750/900	2600	High	2800		
30	⑥	⑥	.....	⑥	2300		
31	.....	600	.....	High	2200		
32	.....	500	.....	⑥	2000		
33	.....	500	.....	⑥	2000		
34	.....	450	.....	.....	③		
35	.....	550③	.....	1st	700		
36	.....	500/600	.....	High	2200		
37	700/800	500/600	1800	High	2200		
38	.....	550③	.....	1st	650		
39	.....	⑥	.....	.....	③		
40	.....	375⑧	.....	.....	③		

\* - All Specifications given are Before Top Dead Center (BTDC); Auto. Trans. in "D" unless otherwise specified.  
 ★ - When idle solenoid is used, lower RPM is with solenoid disconnected, higher RPM is with solenoid connected.  
 † - All specifications are with transmission in Neutral unless otherwise noted.