

2-20 FRONT SUSPENSION AND STEERING LINKAGE

SPECIFICATIONS

Camber

Left (All Models) $+1/4^{\circ}$ to $3/4^{\circ}$ (Preferred $+1/2^{\circ}$)

Right (All Models) 0° to $+1/2^{\circ}$ (Preferred $+1/4^{\circ}$)

Caster

Manual Steering (All Models) 0° to -1° (Preferred $-1/2^{\circ}$)

Power Steering (All Models) $+1/4^{\circ}$ to $+1-1/4^{\circ}$ (Preferred $+3/4^{\circ}$)

	Valiant	Barracuda	Satellite	Fury	Chrysler	Imperial
Model Height 4-Dr. Sdn. 2-Dr. Sdn.						
(Inches) 2-1/8 1-5/8		1	1-5/8	1-3/8	1-1/8	1-3/4
(Tolerance $\pm 1/8$) - Side to Side Difference 1/8 (Maximum)						
Steering Axis Inclination	7-1/2°	7-1/2°	7-1/2°	7-1/2°	7-1/2°	9°
Toe-In (All Models) 3/32 inch to 5/32 inch (Preferred 1/8 inch)						
Toe-Out on Turns (Inner Wheel at 20° Outer Wheel is)	17.5°	17.5°	17.8°	18.8°	18.8°	17.9°
Torsion Bars						
Length (Inches)	38.5	41	41	44	47	50
Diameter (Inches)						
6 Cyl. Std.	.83	.86	.86	.94		
With A/C	.85	.86	.86	.94		
318 C.I. Engine	.85	.86	.88	.94		
With A/C	.87	.86	.88	.94		
340 C.I. Engine	.87	.90	.90			
400 C.I. Engine (2V)			.88	.94	.96	
400 C.I. Engine (4V)			.88		.96	
With A/C			.88	.94	.98	
Police 440 C.I. Engines			.90	.98	.98	1.02
440 C.I. Engine						
With A/C			.90	.98	.98	1.02
Heavy Duty Suspension	.87	.90	.90	.98	.98	1.06
Station Wagon			.86	.94	.98	
360 C.I. Engine				.94	.96	
Tread (Inches)						
Front-with 9 inch brakes	57.5	—	—	—	—	—
Front-with 10 inch brakes	58.2	59.7	59.6	—	—	—
Front-with 11 inch brakes	—	60.2	60.1	62.1	62.1	62.4
Front-with Disc brakes	57.7	60.2	—	—	—	—
Tread (Inches)						
Rear with 7-1/4 Axle	55.6	61.6	61.6	—	—	—
Rear with 8-3/4 Axle	55.6	60.7	62.0	63.4	63.4	63.4

	Valiant	Barracuda	Satellite	Fury	Chrysler	Imperial
Station Wagon	—	—	63.4	63.4	63.4	—
Wheel Base	108.0(2&4 DR) 111.0 (2 DR)	108.0	115.0 (2 DR) 117.5 (4 DR)	119.5	123.5	126.5
Station Wagon	—	—	117.5	121.5	121.5	—

TIGHTENING REFERENCE

	Valiant	Barracuda	Satellite	Chrysler Fury	Imperial
Ball Joint to Control Arm (Upper)	125	125	125	125	150
Ball Joint Stud Nut (Upper)	55	100	100	100	125
Ball Joint Stud Nut (Lower)	85	85	85	115	135
Rebound Bumper (All)	200**	200**	200**	200**	200**
Cam Bolt (Upper Control Arm)	65	65	65	65	160
Pivot Shaft (Lower Arm)	145	145	145	190	190
Steering Knuckle Bolts (Upper)	55	55	55	55	—
Steering Knuckle Bolts (Lower)	100	120	120	120	160
Strut to Lower Control Arm	105	105	105	105	115
Strut to Frame	45	52	52	52	52
Isolator to Cross Member	—	—	—	—	150
Isolator to Frame (Rear)	—	—	—	—	75
Isolator Bracket & Sleeve Ass'y. to Frame	—	—	—	—	75
Isolator Assembly Nut (Front)	—	—	—	—	30
Sway Bar Link Nut	100**	100**	100**	100**	100**
Sway Bar to Frame	200**	200**	200**	—	200**
Sway Bar to Strut	—	—	—	30	—
Sway Bar Plate to Cross Member	—	30	30	—	—
Idle Arm	65	65	65	65	65
Tie Rod End (All)	40	40	40	40	40
Tie Rod Sleeve Clamps	115**	115**	115**	150**	150**
Shock Absorber (Upper)	25	25	25	25	25
Shock Absorber (Lower)	50	50	50	50	50

* Foot Pounds, except where indicated

** Inch Pounds