300E
(ALSO: 260E, 300D & 300TE USA MODELS
200 & 300D, 200, 230 & 260E, 300TE EUROPEAN MODELS)

DIMENSIONS AND WEIGHTS

Wheels:	Original-DB 6.5x15	AMG 5-Spoke 7x15	AMG 5-Spoke 7.5x16	AMG Aero 7.5x16	AMG Aero 8x17
Offset:	1.93/49	0.59/15	1.65/42	1.69/43	1.10/28
Overall width:	68.5/1740				
Overall length:	187.2/4755				
Overall height:	56.9/1446	55.3/1405 (with AMG suspension kit)*			
Wheelbase:	110.2/2800				
Track front:	58.9/1497	61.6/1565	59.5/1511	59.4/1509	60.6/1539
Track rear:	58.6/1488	61.3/1556	59.1/1502	59.1/1500	60.2/1530
Curb weight lbs./kg.:	3295/1495				
Turning Circle (ft-m):	36.7/11.2				

SUSPENSION

Front Suspension: Independent with damper struts

Shocks:	Single tube gas pressurized, AMG # 124320010. Mfr. #7320076
Springs front:	Separate linear coil springs, AMG # 124320001/6. Mfr. #7320082
Number of windings:	11
Outside diameter:	4.53/115
Coil thickness:	0.60/15.15
Overall length:	15.35/390
Swaybar diameter front:	1.05/26.7 (Factory)

Rear Suspension: Multilink control for anti-lift, anti-squat, and alignment control

Shocks:	Single tube gas pressurized, AMG # 124320011. Mfr. #7320077
Springs rear:	Separate linear coil springs, AMG # 124320002. Mfr. #7320081
Number of windings:	10.0
Outside diameter:	3.89/98.9
Coil thickness:	0.55/13.9
Overall length:	12.01/305
Swaybar diameter rear:	0.58/14.7 (Factory)

** Height may vary with the tire used but is adjustable depending on the equipment of your car, the following DB spring pads are recommended for desired height:*

Front:	*Height*	*DB Order #*	*Rear:*	*Height*	*DB Order #*
Number 2	Height 0.51/13mm	#2013211084	Number 2	Height 0.51/13mm	#2013251044
Number 3	Height 0.71/18mm	#2013211184	Number 3	Height 0.71/18mm	#2013251144

Suspension Adjusting Measurements For AMG-Suspension Kit 7320083:

Front Wheel Camber	– 0° 20'
Caster (straight ahead position)	10° 10'
Toe-in (both wheels)	0° 20'

BRAKING SYSTEM

Brakes: **2 circuit Hydraulic 4-wheel power disk brakes with ABS**

Front disc brake (ventilated)	11.2-285/0.87-22 (diameter/width)
Rear disc brake	10.2-259/0.35-9

300E
(ALSO: 260E, 300D & 300TE USA MODELS
200 & 300D, 200, 230 & 260E, 300TE EUROPEAN MODELS)

TRANSMISSION RATIOS

	5 Speed Manual		4 Speed Automatic	
	DB	AMG	DB	AMG
1st gear (overall)	3.86(11.85)	(12.62)	3.68(11.30)	(12.03)
2nd gear (overall)	2.18(6.69)	(7.13)	2.41(7.40)	(7.88)
3rd gear (overall)	1.38(4.24)	(4.51)	1.44(4.42)	(4.71)
4th gear (overall)	1.00(3.07)	(3.27)	1.00(3.07)	(3.27)
5th gear (overall)	0.80(2.46)	(2.62)		
Final Drive Ratio	3.07	3.27 (Ltd. slip)	3.07	3.27 (Ltd. slip)
Calculated RPM at 60 MPH In Top Gear*				
195/65 VR 15	1970 rpm	2100 rpm	2460 rpm	2625 rpm
205/55 VR 16	1980 rpm	2110 rpm	2470 rpm	2635 rpm
215/45 VR 17	2000 rpm	2130 rpm	2500 rpm	2665 rpm

** Subject to variation due to slip of the gearbox (torque converter), the viscosity of the oil and the tire circumference.*

TIRES AND WHEELS

Part #	Design	Wheel	For Models	To Fit	Offset Inch/mm	Tire Size	Sec. Width	Diam.	Lat. Accel.	Tire Press[1]
7400092	5-Spoke	7.5x16	all years	F&R	1.65/42	205/55 VR 16	7.99	24.88	0.83	f32/33
7400122	Aero	7.5x16	all years	F&R	1.69/43	205/55 VR 16	7.99	24.88	0.83	f32/33
7400108	Aero	8x17	all years	F&R	1.10/28	215/45 VR 17[2]	8.78	24.80	0.84	f31/32
Original DB		6.5x15		F&R	1.93/49	195/65 VR 15*	7.70	25.00	0.81	

NOTES: (1) Fitment key; WB-Wide Body only, F-Front only, R-Rear only. (2) The tire pressures are recommended for daily use, please increase pressure according to car weight and speed (3) Pirelli P700 only (4) Specifications are for Pirelli P6. All dimensions, except where noted, are for Goodyear tires. Wheel and tire size on cars equipped with 4-matic must be the same size all around. Stock steering wheel must be retained.

BODY MODIFICATIONS

Standard Sedan Body Package Consists Of:

Part No.	Component	Material
7880352	Front spoiler air dam incorporating bumper assembly and driving lamp recesses	PU-Rim
7880344	Side-skirts	PU-Rim
7880345	Rear skirt incorporating bumper assembly	PU-Rim
7880347	Rear deck lid spoiler	PU-Rim (optional)
7880382	Rear wing set with integrated brake light	PU-Rim (optional)

Hammer Sedan Body Package Consists Of:

7880392	Hammer front air dam incorporating bumper assembly and driving lamp recesses	Reinforced PU-Rim
7880411	Lower door panels, 8 pieces	Reinforced PU-Rim
7880394	Hammer side skirts	Reinforced PU-Rim
7880405/1	Hammer rear skirt	Reinforced PU-Rim
7880406/1	3 piece trunk lid spoiler	Reinforced PU-Rim (optional)

Station Wagon Body Package Consists Of:

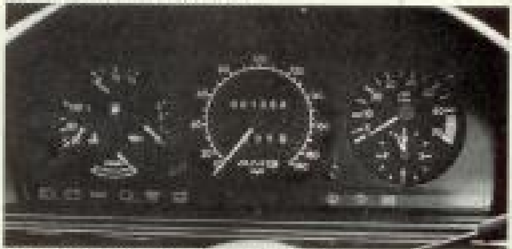
7880352	Front air dam incorporating bumper assembly and driving lamp recesses	PU-Rim
7880344	Side skirts	PU-Rim
7880410	Rear skirt incorporating bumper assembly	PU-Rim
7880399	Roof-type rear spoiler	Acrylic glass (optional)

Aerodynamic Performance

	DB	AMG Equipped	AMG Hammer
Drag Coefficient	0.31	0.27	0.25
In comparison with original DB		– 29% front lift – 32% rear lift	

An aesthetic improvement? Resplendent in colour-coded body kit, AMG's 320E looks quick even when it's standing still

Four-spoke steering wheel feels good but obscures instruments



Ego-boosting AMG speedometer reads to 190 mph

Looks standard, but isn't: AMG conversion gives 245 bhp

Leather and wood abounds

Fugitives from a Chevy Camaro?

cially dyed bird's-eye maple (in a range of colours) or colour-coded lacquer for an extra £226. Yes, spending over a thousand pounds on wood is easy.

This interior, with its British restraint, contrasts intriguingly with the styling-blitz Teutonic tornado exterior. In some ways the 320E's appeal would be greater sans body kit; with that hand-made interior and that superlative engine, you could still feel mean in your silver machine. You would also save £1735. Whether that matters in itself is a moot point: you will still have spent £6213 on the engine and £2226 on the wheels, tyres and suspension. Plus VAT, though these prices do include fitting.

Yes, AMG motoring is expensive. But there is a compensation: in our hands the 320E returned a remarkably frugal fuel consumption of 21.2 mpg, so once you've re-mortgaged the house to pay for the car you have the pleasure of knowing that your lender's equity is inexpensive to run. Big Bang beneficiaries. Strattons are waiting for you.

Stratton-trimmed interior has an air of British restraint, contrasts with extrovert exterior. Light grey leather is edged with dark blue piping to match steering wheel and gear selector

PERFORMANCE

	AMG 320E	300E Manual	Alpina B9 Auto
MAXIMUM SPEED			
Banked circuit mph	137.3	143.5 (estimated)	See text
ACCELERATION			
mph	sec	sec	sec
0-30	1.8	2.8	3.1
0-40	2.9	4.3	4.2
0-50	4.2	5.8	5.1
0-60	6.0	7.6	7.2
0-70	8.1	10.3	9.1
0-80	10.6	13.5	11.4
0-90	13.4	17.2	14.2
0-100	17.0	22.1	17.8
Stand ¼	14.4	16.0	15.4
	In K'down	In fourth	In K'down
mph	sec	sec	sec
20-40	1.9	8.9	2.4
30-50	2.4	8.5	2.4
40-60	3.1	8.7	3.0
50-70	3.9	9.3	3.6
60-80	4.6	9.5	4.2
70-90	5.3	10.3	5.1
80-100	6.4	11.5	6.4
FUEL CONSUMPTION			
Overall mpg	21.2	25.2	18.7

ROAD AMERICA WEEKEND

On June 5-7, 1987, over 150 guests enjoyed a rare opportunity to experience first-hand the superb looks and breathtaking performance of a bevy of AMG-modified Mercedes. AMG's Road America Weekend was designed to give owners and guests a chance to drive a variety of Mercedes cars at high speeds under safe, controlled conditions. Action shots of the cars that participated are shown throughout the pages of this Technical Guide.

(A) The three day event began with a tour of AMG's Wesmont, Illinois facility before enjoying a luncheon prepared by Jean Banchet, of the world-famous La Francais Restaurant. Here the AMG Hammer provides a fitting backdrop as guests dine al fresco.

(B) As the guests arrived Friday night, they were greeted by a line-up of AMG-equipped Mercedes. Shown here are the: 300E 3.2,190E 2.3 and 3.0, 500SE Widebody and a 560SEC.

(C) The 190E 2.3 leads the pack of cars early Saturday morning, as the driving instructors look to the cars for a few warm-up laps prior to their classroom sessions.

(D) Before the guests could buckle up behind the wheel, they were treated to two hours of classroom instruction in high performance throttle, braking and line techniques.

(E) After the classes ended, the guests made their way to the pits where the cars were in the final stages of preparation for the on-track driving sessions.

(F) A 190E 3.2 gets the signal to leave the pits as one of the driving instructors takes the student guests for a tour of the four mile track.

(G) Hans-Werner Aufrecht, the founder of AMG, was present during the weekend and was much in demand by members of the press.

A

B

C

D

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SSION

4 Speed Automatic with Torque Converter (5-Speed Manual Available Spring, 1988)				
	DB	AMG	AMG	AMG
1st gear (overall)	3.68	(9.09)	(9.75)	(10.38)
2nd gear (overall)	2.41	(5.95)	(6.39)	(6.80)
3rd gear (overall)	1.44	(3.56)	(3.82)	(4.06)
4th gear (overall)	1.00	(2.47)	(2.65)	(2.82)
Final Drive Ratio		2.47	2.65	2.82

All AMG differentials are Gleason-Torsen limited-slip (10-90%), see page 62 for information.

Calculated RPM at 60 MPH in Top Gear*

225/50 VR 16	1990 rpm	2140 rpm	2270 rpm
235/45 ZR 17	1960 rpm	2100 rpm	2230 rpm

**Subject to variation due to slip of the gearbox (torque converter), the viscosity of oil and tire circumference.*

EELS

Part # Design	Wheel	For Models	To Fit¹	Offset Inch/mm	Tire Size	Sec. Width	Diam.	Lat. Accel.	Tire Press²
7400092 5-Spoke	7.5 × 16	all years	F	1.65/42	205/55VR16	7.99	24.88		
			R		225/50VR16	8.78	24.88	0.85	f 34/r 37
7400122 Aero	7.5 × 16	all years	F	1.57/40	205/55VR16	7.99	24.88		
			R		225/50VR16	8.78	24.88	0.85	f 34/r 37
7400108 Aero	8 × 17	all years	F	1.10/28	235/45ZR17³	9.29	25.11		
			R		235/45ZR17³	9.29	25.11	0.85	f 35/r 37

NOTES: (1) Fitment key: WB-Wide Body only, F-Front only, R-Rear (2) The tire pressures are recommended for daily use, please increase pressure according to car weight and speed. (3) Specifications are for Pirelli P700. All dimensions, except where noted, are for Goodyear tires.

CATIONS

Hammer Sedan Body Package Consists Of:

Part No.	*Component*	*Material*
7880392	Hammer front air dam incorporating bumper assembly with driving lamps	Reinforced PU-Rim
7880411	Lower door panels, 8 pieces	Reinforced PU-Rim
7880394	Hammer side skirts	Reinforced PU-Rim
7880405/1	Hammer rear skirt	Reinforced PU-Rim
7880406/1	3 piece trunk lid spoiler	Reinforced PU-Rim (optional)

Hammer Coupe Body Package Consists Of:

Part No.	*Component*	*Material*
7880392	Hammer front air dam incorporating bumper assembly with driving lamps	Reinforced PU-Rim
7880412	Lower door panels, 6 pieces	Reinforced PU-Rim
7880413	Hammer side skirts	Reinforced PU-Rim
7880405/1	Hammer rear skirt	Reinforced PU-Rim
7880416	3 piece trunk lid spoiler	Reinforced PU-Rim (optional)

Hammer Wide Body Package Under Development

Aerodynamic Performance

	AMG Hammer Sedan	*AMG Hammer Coupe*
Drag Coefficient:	0.25	estimated less than 0.25