

## Mercedes-Benz

AP00.20-U-1208IE SERVICE SHEET for Mercedes-Benz Maintenance System (USA)

## Model Year 2009

USA

## **Model 221**



Customer:			Repair order num	ber:	
Tire Rotation (non-staggered width wheel setup only)	A 5,000-mile recommer interval will likely nece at least once in betwee maintenance service an mile maintenance servi	ssitate tire rotation en each 10,000-mile nd at every 10,000-	Tires rotated	YES	NO
i Note: For any condition f and perform the repair using		e checks or inspections	included in this mai	intenance sheet, de	termine the cause
Current mileage reading:			Oil grade/viscosit	y:	
Additional notes:					
Service work to be performed service advisor:	d as advised by	Completion date:	Confirm wor below:	k has been perform	ned by signing

Required Service Work miles (thousands)  Performed years (check if performed)	2	10 1	20 2	30	40 4	50 5	60 6	70 7	80 8	90 9	100 10	110 11	120 12	130 13	140 14	150 15	Not OK ↓	
Reset maintenance service indicator in instrument cluster		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP00.20-P-0042SX
☐ Engine - oil and filter change																		
Engine 273		•	•	•	•	•	•	•	•	•	•		•	•				AP18.00-P-0101SX
Engine 275		•	•	•	•	•	•	•	•	•	•		•	•				AP18.00-P-0101SZ
Engine 156		•	•	•	•	•	•	•	•	•	•		•	•				AP18.00-P-0101SMG
Check catch, safety catch and hinges on engine hood for proper operation		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP88.40-P-8851SX
☐ Check condition of poly-V-belt																		
Engine 273, 156			•		•		•		•		•		•		•			AP13.22-P-1352SX
Engine 275			•		•		•		•		•		•		•			AP13.22-P-1352SZ
☐ Replace fuel filter																•		AP47.20-P-0780SX
☐ Replace coolant																		
Engine 275 main circuit				•			•			•			•			•		AP20.00-P-2080SZ
Engine 275 low temperature circuit																•		AP20.00-P-2080SZ
Engine 273, 156																•		AP20.00-P-2080SX
Replace brake fluid			•		•		•		•		•		•		•			AP42.00-P-4280SX
Check the following fluid levels, correct if necessary																		
☐ Engine cooling system, antifreeze and corrosion protection Engine 275 main circuit		•	•		•	•		•	•		•	•		•	•			
☐ Check coolant level		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AH20.00-P-1142-01V
☐ Brake system		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP42.10-P-4210SX
Power steering  i The fluid level must always be on the maximum mark, corresponding to the oil temperature.		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP46.00-P-4611SX
☐ Windshield washer system		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP82.35-P-8210SX
☐ Active Body Control (if applicable)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP32.50-P-3213SX
Function check																		
☐ Parking brake (function test only)			•		•		•		•		•		•		•			
☐ Replace combination filter			•		•		•		•		•		•		•			AP83.00-P-8384SX
☐ Check thickness of brake pads, front and rear		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP42.10-P-4253A
Correct tire inflation pressure and enter in bar or psi:  LF RF LR RR bar/psi:		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Check inflation pressure in spare tire (if applicable) and enter in bar or psi: bar/psi:		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
miles (thousands) years	2	10 1	20 2	30 3	40 4	50 5	60 6	70 7	80 8	90 9	100 10	110 11	120 12	130 13	140 14	150 15		

miles (thousands) years	2	10 1	20 2	30	40 4	50 5	60 6	70 7	80 8	90 9	100 10	110 11	120 12	130 13	140 14	150 15		
Leakage - Major components Check underbody and engine compartment for chafe marks, line routing, damaged components.			•		•		•		•		•		•		•			AP00.20-P-0053SX
☐ Visually inspect condition of front axle ball joints, rubber boots			•		•		•		•		•		•		•			
☐ Visually inspect condition of driveshaft flexible discs			•		•		•		•		•		•		•			AP41.10-P-4152SX
☐ Visually inspect condition of steering mechanical components, rubber boots			•		•		•		•		•		•		•			
☐ Automatic transmission - oil and filter change  Transmission 722.9  Transmission 722.6					•				•				•					AP27.00-P-2702W AP27.00-P-2702SX
Replace air filter					_								_					Ar 27.00-r -27023X
Engine 273 Engine 275 Engine 156					•		•		•				•					AP09.10-P-0980SX AP09.10-P-0980SZ AP09.10-P-0980SMG
☐ Replace spark plugs Engine 273 Engine 275 Engine 156							•		•				•					AP15.10-P-1580SX AP15.10-P-1580SZ AP15.10-P-1580SMG
i Reminder: Reset maintenance service indicator in instrument cluster		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP00.20-P-0042SX
Recommended Service Work  Performed (check if performed)																	Not OK ↓	
Check the following fluid levels, correct if necessary																		
☐ Main or starter battery		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP54.10-P-5410SX
Electrical system checks																		
☐ Horn, high beam flasher, hazard warning flasher, turn signals		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
☐ Warning/indicator lamps, illumination and interior lighting/exterior lighting		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP54.30-P-5452C
☐ Check trunk/cargo area lighting		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
☐ Check and correct headlamp setting			•		•		•		•		•		•		•			AP82.10-P-8260SX
☐ Battery (Main/starter/auxiliary) check condition using "Midtronics MCR 717" tester. Attach Midtronics MCR 717 Test Report print out here		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP54.10-U-5453A
Visual and functional checks																		
☐ Check seat belts and buckles for signs of external damage and proper function			•		•		•		•		•		•		•			AP91.40-P-9150SX
☐ Check windshield washer and headlamp cleaning system		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP82.30-P-8252SX
miles (thousands) years	2	10 1	20 2	30 3	40 4	50 5	60 6	70 7	80 8	90 9	100 10	110 11	120 12			150 15		

miles (thousands) years	2	10 1	1	30		50 5		70 7		90 9	100 10		120 12	130 13	140 14	150 15		
Check, clean, and lubricate tilt/sliding roof mechanism (where applicable)			•		•		•		•		•		•		•			AP77.20-P-7731SX
Check, clean, and lubricate panoramic roof mechanism (where applicable)			•		•		•		•		•		•		•			AP77.20-P-7732SX
☐ Check bodywork for paintwork damage			•		•		•		•		•		•		•			AP98.00-P-9850SX
☐ Night View Assist camera - clean windshield behind the camera cover (where applicable)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP54.30-P-5431SX
Tire checks		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
☐ Tire rotation (where applicable)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Inspect tires for damage, measure thread depth and enter in mm:  LF RF LR RR outside center inside		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP40.10-P-40515X
☐ Check TIREFIT tire sealant expiration date (where applicable)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP40.10-P-4054R
☐ Activate Tire Pressure Monitoring System; Refer to vehicle Operator's Manual		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Chassis checks																		
☐ Visually check brake system components, lines, hoses, calipers		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
☐ Check thickness of brake pads and discs, front and rear wheels removed																		
Pads		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP42.10-P-4253A
Discs		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		AP42.10-P-4258SX
☐ Check chassis and load-bearing body components for damage and corrosion			•		•		•		•		•		•		•			AP00.20-P-0090SX
☐ Replace wiper blades		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
miles (thousands) years	2	10 1				50 5	1	70 7	80 8	90 9	100 10	110 11	120 12	130 13	140 14	150 15		
High Mileage Required Service Work at 1										eve	ery 2	0,00	0 mil	les o	r 2 y	ears		
☑ Performed (check if performed)																	Not OK ↓	
Reset maintenance service indicator in instrument cluster																	•	AP00.20-P-0042SX
☐ Engine - oil and filter change																		
Engine 273																		AP18.00-P-0101SX
Engine 275																		AP18.00-P-0101SZ
Engine 156																		AP18.00-P-0101SMG
Check catch, safety catch and hinges on engine hood for proper operation																		AP88.40-P-8851SX
☐ Check condition of poly-V-belt																		
Engine 273, 156																		AP13.22-P-1352SX
Engine 275																		AP13.22-P-1352SZ
☐ Replace brake fluid																		AP42.00-P-4280SX

Check the following fluid levels, correct if necessary		
☐ Engine cooling system, antifreeze and corrosion protection Engine 275 main circuit ☐ ilif not to be replaced according to additional work schedule listed at the end of this service sheet		
☐ Check coolant level		AH20.00-P-1142-01V
□ Brake system		
Power steering  The fluid level must always be on the maximum mark, corresponding to the oil temperature.		AP46.00-P-46115X
☐ Windshield washer system		AP82.35-P-8210SX
Active Body Control (if applicable)		AP32.50-P-3213SX
Function check		711 32.33 1 32.1337
Parking brake (function test only)		
Replace combination filter		AP83.00-P-8384SX
Check thickness of brake pads, front and rear		AP42.10-P-4253A
Correct tire inflation pressure and enter in bar or psi:  LF RF LR RR bar/psi:		
Check inflation pressure in spare tire (if applicable) and enter in bar or psi: bar/psi:		
Leakage - Major components  Check underbody and engine compartment for chafe marks, line routing, damaged components.		AP00.20-P-00535X
☐ Visually inspect condition of front axle ball joints, rubber boots		
☐ Visually inspect condition of driveshaft flexible discs		AP41.10-P-4152SX
☐ Visually inspect condition of steering mechanical components, rubber boots		
i Reminder: Reset maintenance service indicator in instrument cluster		AP00.20-P-0042SX
High Mileage Recommended Service Work at 160,000 miles or 16 years; then every 20,000 mil  ☑ Performed (check if performed)	les or 2 years Not OK ↓	
Check the following fluid levels, correct if necessary		
☐ Main or starter battery		AP54.10-P-5410SX
Electrical system checks		
☐ Horn, high beam flasher, hazard warning flasher, turn signals		
☐ Warning/indicator lamps, illumination and interior lighting/exterior lighting		AP54.30-P-5452C

☐ Check trunk/cargo area lighting		
☐ Check and correct headlamp setting		AP82.10-P-8260SX
☐ Battery (Main/starter/auxiliary) check		AP54.10-U-5453A
condition using "Midtronics MCR 717"		
tester. Attach Midtronics MCR 717 Test		
Report print out here		
Visual and functional checks		
☐ Check seat belts and buckles for signs of external damage and proper function	Ц	AP91.40-P-9150SX
Check windshield washer and headlamp	П	AP82.30-P-8252SX
cleaning system	Ш	AF02.30-F-02323X
☐ Check, clean, and lubricate tilt/sliding		AP77.20-P-7731SX
roof mechanism (where applicable)		A177.201 77515A
☐ Check, clean, and lubricate panoramic		AP77.20-P-7732SX
roof mechanism (where applicable)	_	
☐ Check bodywork for paintwork damage		AP98.00-P-9850SX
☐ Night View Assist camera - clean		AP54.30-P-5431SX
windshield behind the camera cover (where		
applicable)		
Tire checks		
☐ Tire rotation (where applicable)		
☐ Inspect tires for damage, measure		AP40.10-P-4051SX
thread depth and enter in mm:		
LF RF LR RR		
outside center		
inside		
☐ Check TIREFIT tire sealant expiration		AP40.10-P-4054R
date (where applicable)	_	
☐ Activate Tire Pressure Monitoring		
System; Refer to vehicle Operator's Manual		
Chassis checks		
☐ Visually check brake system		
components, lines, hoses, calipers		
☐ Check thickness of brake pads and discs,		
front and rear wheels removed		
Pads		AP42.10-P-4253A
Discs		AP42.10-P-4258SX
☐ Check chassis and load-bearing body		AP00.20-P-0090SX
components for damage and corrosion		
Replace wiper blades		
High Mileage Required Service Work at 170,000 miles or 17 years; then every 20,000 miles or 2 years		
I Plus any applicable additional work listed at the end of this service sheet     Performed     Performed	Not OK	
(check if performed)	NOLOK ↓	
Reset maintenance service indicator in		AP00.20-P-0042SX
instrument cluster		,
☐ Engine - oil and filter change		
Engine 273		AP18.00-P-0101SX
Engine 275		AP18.00-P-0101SZ
Engine 156		AP18.00-P-0101SMG

Check catch, safety catch and hinges on		AP88.40-P-8851SX
engine hood for proper operation		
Check the following fluid levels, correct if necessary		
☐ Engine cooling system, antifreeze and		
corrosion protection		
Engine 275 main circuit		
i if not to be replaced according to		
additional work schedule listed at the end of this service sheet		
Check coolant level		AH20.00-P-1142-01V
☐ Brake system		AP42.10-P-4210SX
Power steering		AP46.00-P-4611SX
i The fluid level must always be on the		
maximum mark, corresponding to the oil		
temperature.  Windshield washer system		AP82.35-P-8210SX
Active Body Control (if applicable)		AP32.50-P-3213SX
☐ Check thickness of brake pads, front and rear		AP42.10-P-4253A
☐ Correct tire inflation pressure and enter in		
bar or psi:		
LF RF LR RR bar/psi:		
☐ Check inflation pressure in spare tire		
(if applicable) and enter in bar or psi:		
bar/psi:		
i Reminder: Reset maintenance service		AP00.20-P-0042SX
indicator in instrument cluster		
High Mileage Recommended Service Work at 170,000 miles or 17 years; then every 20,000 miles or	2 years	
☑ Performed	Not OK	
(check if performed)	<u>↓</u>	
Check the following fluid levels, correct if		
necessary		
☐ Main or starter battery		AP54.10-P-5410SX
Electrical system checks		
2. Cettinean System and Cetts		
☐ Horn, high beam flasher, hazard		
☐ Horn, high beam flasher, hazard		AP54.30-P-5452C
☐ Horn, high beam flasher, hazard warning flasher, turn signals		AP54.30-P-5452C
☐ Horn, high beam flasher, hazard warning flasher, turn signals ☐ Warning/indicator lamps, illumination		AP54.30-P-5452C
☐ Horn, high beam flasher, hazard warning flasher, turn signals ☐ Warning/indicator lamps, illumination and interior lighting/exterior lighting		AP54.30-P-5452C AP54.10-U-5453A
Horn, high beam flasher, hazard warning flasher, turn signals  Warning/indicator lamps, illumination and interior lighting/exterior lighting  Check trunk/cargo area lighting  Battery (Main/starter/auxiliary) check condition using "Midtronics MCR 717" tester. Attach Midtronics MCR 717 Test Report print out here  Visual and functional checks  Check windshield washer and headlamp		
Horn, high beam flasher, hazard warning flasher, turn signals  Warning/indicator lamps, illumination and interior lighting/exterior lighting  Check trunk/cargo area lighting  Battery (Main/starter/auxiliary) check condition using "Midtronics MCR 717" tester. Attach Midtronics MCR 717 Test Report print out here  Visual and functional checks		AP54.10-U-5453A
Horn, high beam flasher, hazard warning flasher, turn signals  Warning/indicator lamps, illumination and interior lighting/exterior lighting  Check trunk/cargo area lighting  Battery (Main/starter/auxiliary) check condition using "Midtronics MCR 717" tester. Attach Midtronics MCR 717 Test Report print out here  Visual and functional checks  Check windshield washer and headlamp cleaning system  Night View Assist camera - clean		AP54.10-U-5453A
☐ Horn, high beam flasher, hazard warning flasher, turn signals   ☐ Warning/indicator lamps, illumination and interior lighting/exterior lighting   ☐ Check trunk/cargo area lighting   ☐ Battery (Main/starter/auxiliary) check condition using "Midtronics MCR 717" tester. Attach Midtronics MCR 717 Test Report print out here   Visual and functional checks   ☐ Check windshield washer and headlamp cleaning system		AP54.10-U-5453A  AP82.30-P-82525X

Tire checks		
☐ Tire rotation (where applicable)		
☐ Inspect tires for damage, measure thread depth and enter in mm:  LF RF LR RR outside center inside		AP40.10-P-40515X
☐ Check TIREFIT tire sealant expiration date (where applicable)		AP40.10-P-4054R
☐ Activate Tire Pressure Monitoring System; Refer to vehicle Operator's Manual		
Chassis checks		
☐ Visually check brake system components, lines, hoses, calipers		
☐ Check thickness of brake pads and discs, front and rear wheels removed		
Pads		AP42.10-P-4253A
Discs		AP42.10-P-4258SX
☐ Replace wiper blades		
High Mileage Additional Work		
⊠ Performed		
(check if performed)		
Replace fuel filter	If more than 150,000 mi or 15 years since last replacement	 AP47.20-P-0780SX
Replace coolant		
Engine 275 main circuit	If more than 30,000 mi or 3 years since last replacement	AP20.00-P-2080SZ
Engine 275 low temperature circuit	If more than 150,000 mi or 15 years since last replacement	AP20.00-P-2080SZ
Engine 273, 156	If more than 150,000 mi or 15 years since last replacement	AP20.00-P-2080SX
Automatic transmission - oil and filter change		
Transmission 722.9	If more than 40,000 mi or 4 years since last replacement	AP27.00-P-2702W
Transmission 722.6	If more than 40,000 mi or 4 years since last replacement	AP27.00-P-2702SX
Replace air filter	•	
Engine 273	If more than 40,000 mi or 4 years since last replacement	AP09.10-P-0980SX
Engine 275	If more than 60,000 mi or 6 years since last replacement	AP09.10-P-0980SZ
Engine 156	If more than 40,000 mi or 4 years since last replacement	AP09.10-P-0980SMG
Replace spark plugs		
Engine 273	If more than 80,000 mi or 8 years since last replacement	AP15.10-P-1580SX
Engine 275	If more than 60,000 mi or 6 years since last replacement	AP15.10-P-1580SZ
Engine 156	If more than 80,000 mi or 8 years since last replacement	AP15.10-P-1580SMG