

Mercedes-Benz

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

Model Year 2010

USA

Model 221



| Customer: | | | Repair order numb | er: | _ |
|--|--|---|------------------------|-------------------------------------|---|
| Tire Rotation (non-staggered width wheel setup only) | A 5,000-mile recomme interval will likely nec at least once in betwe maintenance service a mile maintenance serv | eessitate tire rotation een each 10,000-mile and at every 10,000- | Tires rotated | YES NO | |
| i Note: For any condition for and perform the repair using a | | the checks or inspections i | ncluded in this main | ntenance sheet, determine the cause | |
| Current mileage reading: | | | Oil grade/viscosity: | : | _ |
| Additional notes: | | | | | |
| Service work to be performed service advisor: | as advised by | Completion date: | Confirm work below: | has been performed by signing | |

| Required Service Work Performed (check if performed) 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 | Not OK ↓ | |
|---|---|---------|---------|----|---------|---------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|--------------------|
| Reset maintenance service indicator in instrument cluster | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | AP00.20-P-0042SX |
| ☐ Engine - oil and filter change | | | | | | | | | | | | | | | | | | |
| Engine 272, 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 V-belts | П | | | | | | | | | | | | | | | | | |
| S 400 Hybrid | | | | | | | • | | | | | | • | | | | | |
| Replace fuel filter | П | | | | | | | | | | | | | | | • | | AP47.20-P-0780SX |
| Replace coolant | П | | | | | | | | | | | | | | | | | |
| Engine 275 main circuit | | | | • | | | • | | | • | | | • | | | • | | AP20.00-P-2080SZ |
| Engine 275 low temperature circuit | | | | | | | | | | | | | | | | • | | AP20.00-P-2080SZ |
| Engine 272, 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-46115X |
| ☐ 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: | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | |
| miles (thousands) years | 2 | 10 1 | | | 40 4 | 50 5 | | | 80 8 | | 100 10 | | 120 12 | 130 13 | | 150 15 | | |

| miles (thousands) years | 2 | 10 1 | | 30 | 40 4 | 50 5 | | 70 7 | | | 100 10 | 110 11 | 120 12 | 130 13 | 140 14 | 150 15 | | |
|--|---|---------|---|---------|---------|---------|---|---------|---------|---|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------------------------------|
| 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-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 | | | | | | | | | | | | | | | | | | |
| Engine 272, 273 | | | | | • | | | | • | | | | • | | | | | AP09.10-P-0980SX |
| Engine 275 | | | | | | | • | | | | | | • | | | | | AP09.10-P-0980SZ |
| Engine 156 | | | | | • | | | | • | | | | • | | | | | AP09.10-P-0980SMG |
| ☐ Replace spark plugs | | | | | | | | | | | | | | | | | | |
| Engine 272, 273 | | | | | | | • | | | | | | • | | | | | AP15.10-P-1580SX |
| Engine 275 | | | | | | | • | | | | | | • | | | | | AP15.10-P-1580SZ |
| Engine 156 | | | | | | | • | | | | | | • | | | | | AP15.10-P-1580SMG |
| 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 |
| miles (thousands) years | 2 | 10 1 | | 30 3 | 40 4 | 50 5 | | 70 7 | 80 8 | | 100 10 | 110 11 | 120 12 | 130 13 | | | | |

| miles (thousands) years | 2 | 10 1 | | | | 50 5 | | | | | 100 10 | | 120 12 | 130 13 | 140 14 | 150 15 | | |
|---|---|---------|---|---|---|---------|---|---|---|----|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------------|
| Visual and functional checks | | | _ | | | | _ | Ė | Ť | | | | | | | | | |
| ☐ 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 |
| ☐ 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 | | | | | | | | - | | 110 11 | 120 12 | | 140 14 | | | |
| High Mileage Required Service Work at 10 i Plus any applicable additional work listed at Performed (check if performed) | | | | | | | | | | ev | ery 2 | 0,00 | 0 mi | les o | r 2 y | ears | Not OK ↓ | |
| Reset maintenance service indicator in instrument cluster | | | | | | | | | | | | | | | | | | AP00.20-P-0042SX |
| ☐ Engine - oil and filter change | | | | | | | | | | | | | | | | | | |
| Engine 272, 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 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 |
| Function check | | |
| ☐ Parking brake (function test only) | | |
| ☐ Replace combination filter | | AP83.00-P-8384SX |
| ☐ Check thickness of brake pads, front and | | AP42.10-P-4253A |
| rear | | |
| Correct tire inflation pressure and enter in | | |
| bar or psi: LF RF LR RR | | |
| 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 | | AP00.20-P-0053SX |
| Check underbody and engine compartment | | |
| for chafe marks, line routing, damaged | | |
| components. | | |
| ☐ Visually inspect condition of front axle ball joints, rubber boots | | |
| ☐ Visually inspect condition of driveshaft | | AP41.10-P-4152SX |
| flexible discs | Ц | AF41.10-F-41323A |
| ☐ Visually inspect condition of steering | | |
| mechanical components, rubber boots | | |
| i Reminder: Reset maintenance service | | AP00.20-P-0042SX |
| indicator in instrument cluster | | |
| High Mileage Recommended Service Work at 160,000 miles or 16 years; then every 20,000 miles o | | |
| ⊠ 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 | | 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 | | AP91.40-P-9150SX |
| external damage and proper function | | |
| ☐ Check windshield washer and headlamp cleaning system | | AP82.30-P-8252SX |
| ☐ 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 | | AP54.30-P-5431SX |
| windshield behind the camera cover (where applicable) | | |
| Tire checks | | |
| ☐ Tire rotation (where applicable) | | |
| ☐ Inspect tires for damage, measure | П | AP40.10-P-4051SX |
| thread depth and enter in mm: | _ | |
| LF RF LR RR | | |
| outside | | |
| center | | |
| ☐ Check TIREFIT tire sealant expiration | | AP40.10-P-4054R |
| date (where applicable) | Ц | AI 40.10-1 -4054K |
| ☐ 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 | | |
| ☐ Plus any applicable additional work listed at the end of this service sheet ☐ Performed | Not OK | |
| (check if performed) | MULUK ↓ | |
| Reset maintenance service indicator in | • | AP00.20-P-0042SX |
| instrument cluster | | |

| ☐ Engine - oil and filter change | | |
|---|-----------------|--------------------------|
| Engine 272, 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 | | AP42.10-P-4253A |
| rear | | |
| 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: | | 4 DOO 20 D 00425V |
| indicator in instrument cluster | | AP00.20-P-0042SX |
| High Mileage Recommended Service Work at 170,000 miles or 17 years; then every 20,000 m | ilas au 2 vanus | |
| Performed | Not OK | |
| (check if performed) | ↓ | |
| 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 | | AP54.30-P-5452C |
| and interior lighting/exterior lighting | | |
| ☐ Check trunk/cargo area lighting | | |
| ☐ 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 | | |
| | | AD02 20 D 0252€ ∨ |
| ☐ Check windshield washer and headlamp cleaning system | Ц | AP82.30-P-8252SX |
| ٠ | | |

| ☐ 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 thread depth and enter in mm: | | AP40.10-P-4051SX |
| LF RF LR RR outside center inside | | |
| ☐ 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 V-belts | | |
| S 400 Hybrid | If more than 60,000 mi or 6 years since last replacement | |
| ☐ 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 272, 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 272, 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 272, 273 | If more than 60,000 mi or 6 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 60,000 mi or 6 years since last replacement | AP15.10-P-1580SMG |