

FLUID CAPACITIES						
Fluid Type	Application	Standard	Metric	Fluid Spec	Note	S/H
Air Cond Refrigerant		N/A	N/A	R-134a refrigerant and a special PAG lubricant oil (never R-12)		S
Brake Fluid		1.05 QTS.	1 L	DOT 4 Brake Fluid		S
Engine Coolant		4.50 QTS.	4.3 L	Anticorrosion/Antifreeze	Meeting specification MB 325.0	S
Engine Oil		3.50 QTS.	3.3 L	Approved Engine Oil must meet specification MB 229.5	Mobil Formula M 5W-40, Mobil 1 0W-40, Labco MB 229.5 5W-30, Total Quartz 229.5 5W-30, Elf Excellium 0W-30, Shell Helix Ultra AB 5W-30	S
Fuel Tank		8.72 GALS.	33 L		Including a reserve of 1.32 gal.	S
Windshield Washer Fluid		4.00 QTS.	3.8 L	Windshield washer concentrate	Use a windshield washer concentrate labeled for summer and water for temperatures above freezing point or a windshield washer concentrate labeled for winter and water for temperatures below freezing point.	S

MAINTENANCE SERVICE INTERVAL >

1 tips

- Tip: Recommended oil - 2008 smart car



NOTE:

Only vehicles listed in this index have a Maintenance Counter reset.

MAINTENANCE COUNTER RESET INDEX

Model & Year	Reset Procedure
Fortwo	
2008-12	TPMS Reset - Procedure 1

MAINTENANCE SERVICE INTERVAL > MAINTENANCE COUNTER RESET - PROCEDURE

1 >

1 tips

- Tip: Oil Service Interval Reset - 2006 Smart Diesel



NOTE:

Some models (not all) may be equipped with one or more resettable maintenance reminder lights indicating maintenance is required. Once required maintenance services are performed, resetting of lights may be required. Information is provided to reset these lights where applicable.



NOTE:

Most vehicles are equipped with a Malfunction Indicator Light (MIL) or check engine light. If light comes on and remains on while driving, the vehicle requires some type of repair. See appropriate service and repair information. After repairing fault(s) and clearing fault code(s), the Malfunction Indicator Light (MIL) or check engine light should go out. After performing required service, reset indicator light.

MAINTENANCE SERVICE INTERVAL > MAINTENANCE COUNTER RESET - PROCEDURE

1 > METHOD 1 >

1. Switch ignition on.
2. Locate the left instrument cluster button (service interval button). See Figure. Press (tap) the button twice, within 4 seconds of switching on the ignition.
3. Switch ignition off, within 4 seconds of tapping the button.



NOTE:

Although the OEM claims that 4 seconds is the appropriate time interval in steps 2 and 3, aftermarket information indicates that performing the procedure as quickly as possible (2 sec.) will be more successful.

5. Push and hold in the left instrument cluster button (service interval button) and switch ignition on.
6. Hold the left instrument cluster button for another 10 seconds.
7. When the wrench symbol flashes, the system has been reset.

MAINTENANCE SERVICE INTERVAL > MAINTENANCE COUNTER RESET - PROCEDURE

1 > METHOD 2 >

1. Switch ignition on.
2. Locate the left instrument cluster button (service interval button). See Fig 1. Press the button twice, within 4 seconds of switching on the ignition.
3. Keep holding the button down on the second press.
4. Switch ignition off, within 4 seconds of tapping the button.

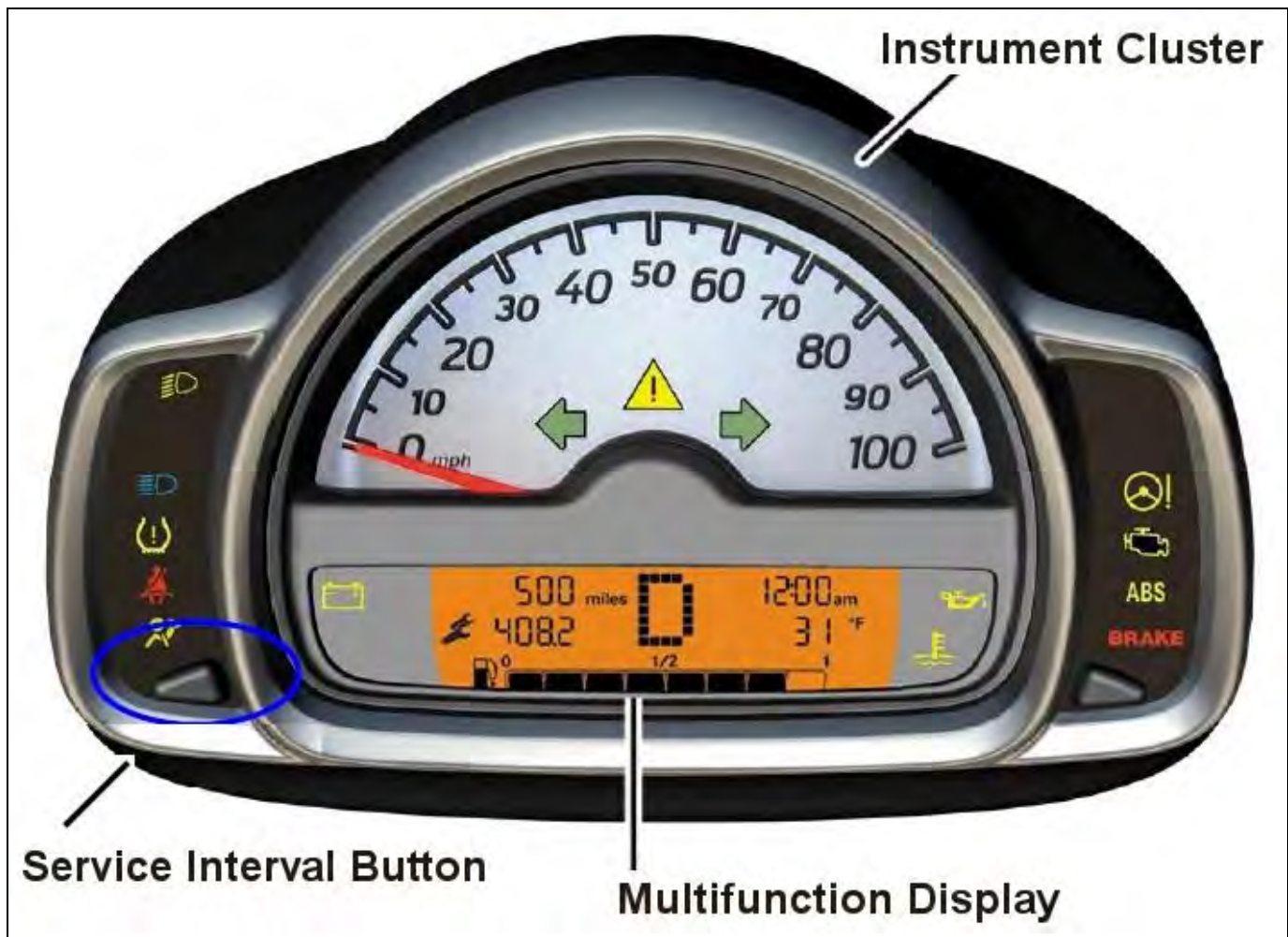


NOTE:

Although the OEM claims that 4 seconds is the appropriate time interval in steps 2 and 3, aftermarket information indicates that performing the procedure as quickly as possible (2 sec.) will be more successful.

6. Switch ignition on.
7. Hold the left instrument cluster button for another 10 seconds.
8. When the wrench symbol flashes, the system has been reset.

Fig 1: Identifying Left Instrument Cluster Button (Service Interval Button)



Courtesy of MERCEDES-BENZ OF NORTH AMERICA.

TIRE PRESSURE MONITOR SYSTEM (TPMS) >



NOTE:

Only vehicles listed in this index have a TPMS reset.

TPMS RESET INDEX

Model & Year	Reset Procedure
Fortwo	
2008-12	TPMS Reset - Procedure 1

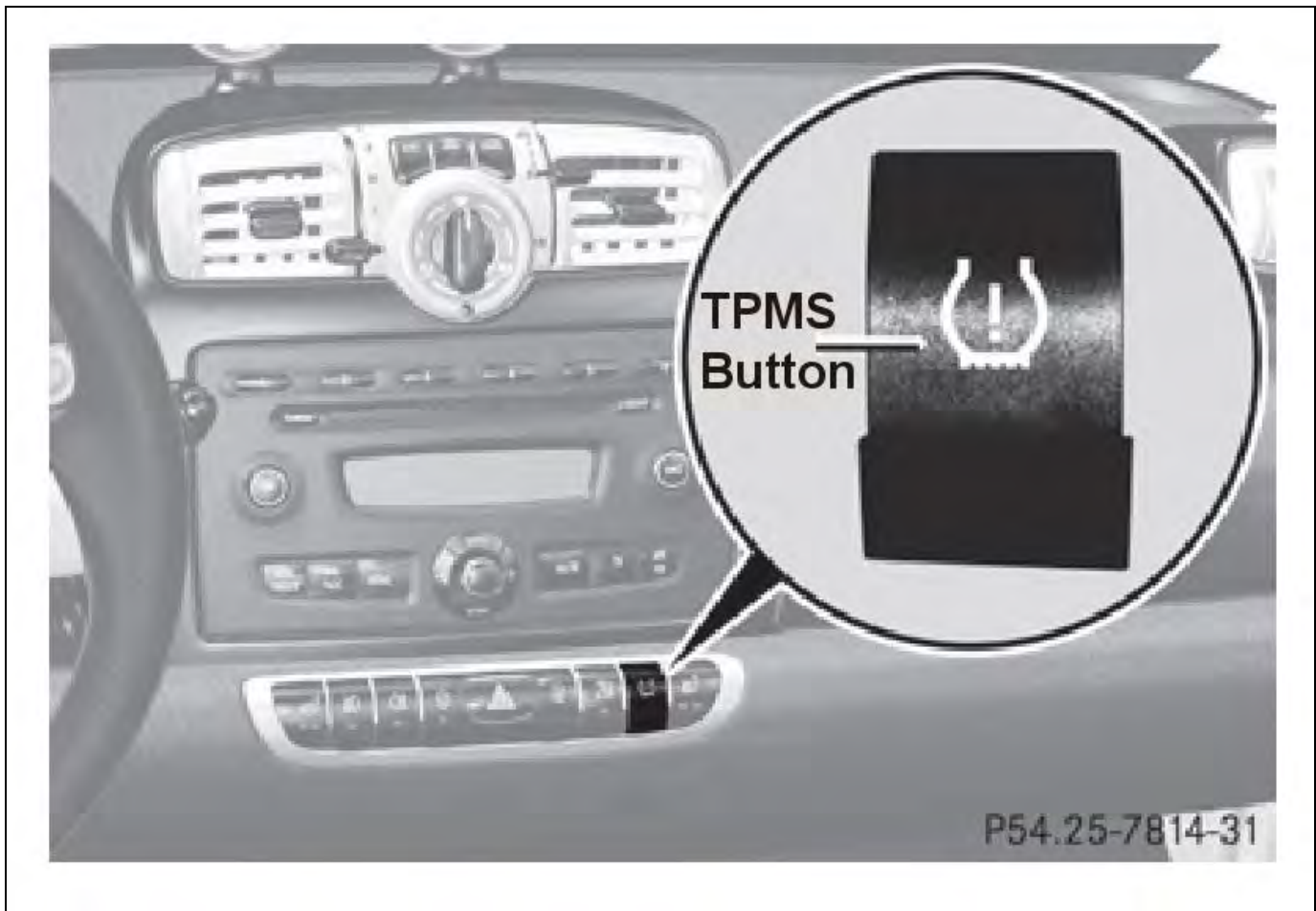
TIRE PRESSURE MONITOR SYSTEM (TPMS) > TPMS RESET - PROCEDURE 1 >

The TPMS must be restarted when you have adjusted the tire inflation pressure to a new level (e.g. because of different load or driving conditions). The TPMS sets new reference values for each tire. The TPMS is then recalibrated to the current tire inflation pressures.

Press the Restarting TPMS button. See Fig 1. The combination low tire pressure/TPMS malfunction telltale in the instrument cluster flashes for approximately 5 seconds and then goes out. After driving a few minutes the system verifies that the current tire inflation pressures are within the systems specified range. Afterwards the

current tire inflation pressure are accepted as reference pressure and then monitored

Fig 1: Identifying TPMS Button



Courtesy of MERCEDES-BENZ OF NORTH AMERICA.

GENERAL INFORMATION > NOTES ON REPAIRS TO BRAKE SYSTEM - AH42.00-P-0003-01A >

- When performing maintenance and repair work on the brake system, it must be ensured that no mineral oil, lubricating grease or similar substances enter the brake system.
- New brake fluid must be used as a flushing and cleaning agent for the cylinders, lines and the expansion reservoir of the hydraulic braking system.
- If mineral oil is found in the brake system, or if the presence of mineral oil in the brake system is suspected, the procedure below must be followed:
 1. Replace tandem master brake cylinder or brake operating unit and expansion reservoir for brake fluid.
 2. Thoroughly flush the entire brake system with new brake fluid.
 3. All brake components with parts made of rubber, such as brake calipers, brake hoses, the SBC, ABS, ETS, ASR or ESP hydraulic unit, pressure reservoir, charging piston unit and charging pump, which may have come into contact with mineral oil, must be replaced.
 4. Bleed brake system.

Handling of SBC, ABS, ETS, ASR and ESP components in accident vehicles:

ⓘ If, because of the extent of the damage to the vehicle or the position and external appearance of the hydraulic unit, it is obvious that the hydraulic unit has sustained a severe shock, the hydraulic unit must be replaced.

Indications of this are e.g.:

- Hydraulic lines kinked
- Connections on hydraulic unit leaking
- Cables or plug connections damaged
- Metal block of hydraulic unit shows signs of damage
- Hydraulic unit detached from its bracket and cannot be reinstalled without applying excessive force

ⓘ If this does not apply, the system must be subjected to a rigorous function test and the test steps for the solenoid valves and pump must be performed.

Brake calipers must

- not be scratched, and the lacquer on lacquered brake calipers must not be damaged,
- not be removed/installed with hammers, levers, pliers or other tools,
- not be machined,

- not be put down on the lacquered side,
- only be put down on a clean surface.

ⓘ To prevent damage to the brake calipers, particular care must be taken when:

- detaching/attaching the wheels,
- removing/installing the brake pads,
- removing/installing the brake calipers,
- performing any work in the area of the wheel wells, e.g. removing/installing suspension struts, transverse control arms, torsion bars etc.,
- lowering the vehicle with detached wheels.

ⓘ Lacquered brake calipers are especially sensitive.

GENERAL INFORMATION > BRAKE FLUID NOTES - AH42.50-P-0001-01A >

All models

- Do not allow brake fluid to come into contact with vehicle paintwork, as it contains ingredients that act as solvents on the paint. Should brake fluid come into contact with the paint despite all precautions, the moistened surface must be flushed immediately with a lot of water (do not rub off brake fluid).
- Brake fluid is highly hygroscopic, i.e. it absorbs humidity which reduces its boiling point. Brake fluid must therefore only be stored in properly sealed reservoirs (original container) in order to avoid moisture absorption via the air humidity. A boiling point which is reduced as a result can lead to problems up to the total failure of the brake system at high operating temperatures.
- Used brake fluid must not be re-used.
- Brake fluid is colorless to yellow colored and is therefore easily confused with mineral oil products. Therefore only remove brake fluids from original containers and store separately from mineral oils and other fluids.
- For disposal notes for the location area Federal Republic of Germany see:

"Environmental Manual for Motor Vehicle Repair Operations" Publisher: Association of the German Automotive Industry e.V. (VDA)

60625 Frankfurt am Main, Westendstraße 61

RETROFITTING & CONVERSION > INSTALL BRABUS HAND BRAKE LEVER - AN42.20-P-0003MCC >

MODEL 451.3 /4 (except 451.391 /491)

Shown on model 451.3 up to vehicle identification number (VIN) WME4513312K143823

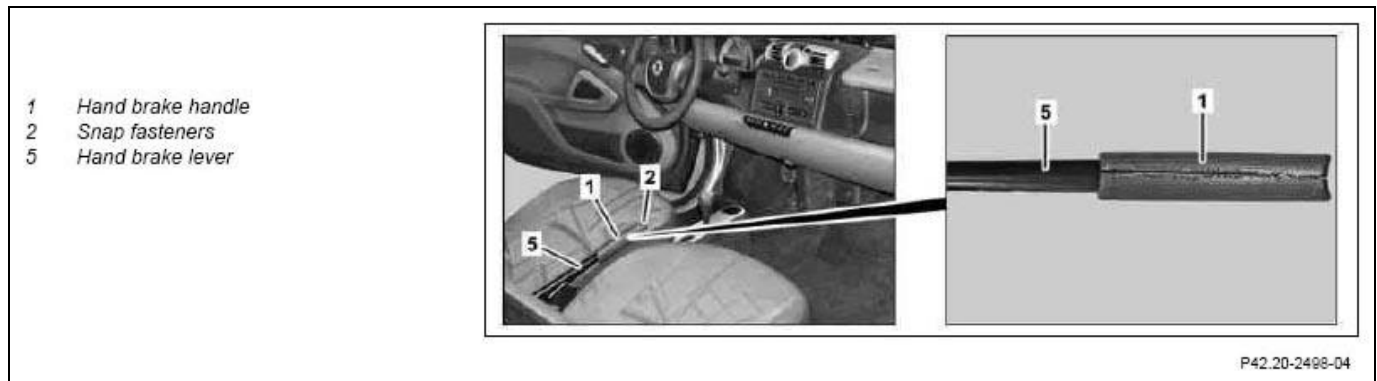
Fig 1: Identifying Hand Brake Handle, Snap Fasteners & Expansion Clip



Courtesy of MERCEDES-BENZ OF NORTH AMERICA.

Shown on model 451.3 as of VIN WME4513312K143824

Fig 2: Identifying Hand Brake Handle, Snap Fasteners & Hand Brake Lever



Courtesy of MERCEDES-BENZ OF NORTH AMERICA.