



ABC Hydraulic pulsation dampener Important installation procedure!

Please strictly follow the correct steps when installing the product, otherwise you will irreparably damage the parts! After installation no returns are accepted.

Please refer for installation to the complete installation description from Mercedes Benz.

Please check if you received the correct item, and inspect the item carefully. Returning a product is possible using the right of withdrawal if the item is un-used, not installed and undamaged. Please check the conditions that apply to the sale and returns.

Reading this document signifies your agreement to our terms and conditions. Work should only be performed by a trained mechanic else damage might be caused to the vehicle. The ABC system is working under a pressure of over 200 bar, taking the wrong installation steps can have serious consequences. You are responsible for studying the official service manual and the necessary safety proceedings that should be taken before working on, and raising the vehicle as when errors are made serious injuries and death can occur.

- Refresh all ABC oil in the ABC system (ABC oil change 4 liter oil, or ABC flush 12 liter oil), use certified oil only.
- Disconnect the battery, and depressurize the system before working on the car.
- Install the product in the car with the utmost attention to a very clean environment, dirt and particles on tools, lines, etc. can easily get into the ABC system. Any debris that enters the system contaminates the hydraulic fluid causing internal leakage.
- Always follow the (de)installation procedure from Mercedes Benz. Tighten bolts to the correct specifications.

Please note: choose the correct model pulsation dampener that fits the car. There are 3 models, the most common ones can be seen below. The third model has a central hydraulic line opening.



Left: hydraulic line opening opposed to fixing bracket. Mostly found on R230.

Right: hydraulic line opening closer to fixing bracket. Mostly found on C215 and W220, but also on R230.

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Please note: the pulsation dampener should be mounted exactly perpendicular at 90 degrees with respect to the flat surface on the ABC pump. Due to the hydraulic line and the bracket, it may be hard to get the dampener installed at the correct angle. **If the pulsation dampener is not mounted in the correct angle, it will lead to oil leakage.**

Steps for installation;

1. Install the pulsation dampener loosely by fixing the bolt on the hydraulic line, the bolt on the pump and most important the bolt(s) on the bracket, by only tightening the bolts by hand. In this manner, there is some margin to move the dampener to the correct perpendicular position.
2. Check if the position of the line and bracket are such, that they fit the dampener without putting stress on the parts. In case needed, adjust the position of the hydraulic line and/or make the bracket fit to match the mounting points on the dampener.
3. Tighten the bolt that connects the dampener to the pump, by the correct torque. This will fix the dampener at the correct position.
4. Only after step 3, tighten the other bolts to spec without stressing the position of the dampener.
5. Final notes
 - Make sure to bleed the system such that all air is out of the system.
 - Do not let the pump run dry without fluid. Always ensure good oil supply, otherwise the pump will be damaged.
 - The ABC rodeo test is not necessary after replacing the product and will stress the system unnecessary.

Please contact us if you have questions

www.abcspecialist.nl

info@abcspecialist.nl