
TECH TIPS

Tip_1 What is a normal ABS pump current draw?

Normal current draw with motor spinning forward is 4.5A and 5.9A in reverse.

Tip_2 Why should you use DOT 4 Brake fluid over DOT 3?

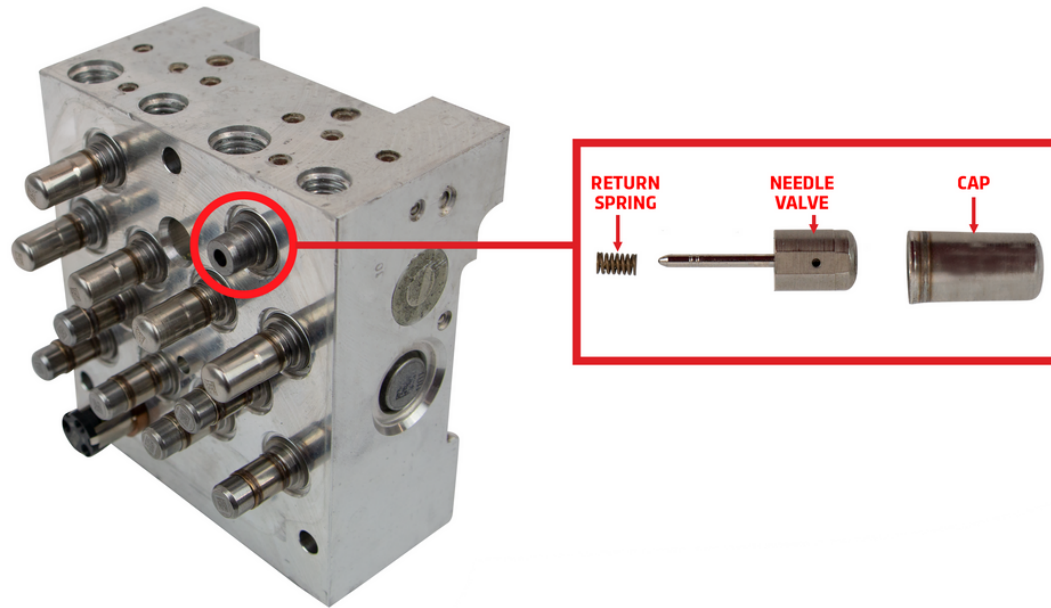
DOT 4 Brake fluid is the preferred choice of fluid to be used in modern ABS brake systems. We recommend that the DOT 4 is used in all vehicles even if it had DOT 3 brake fluid originally.

Here is why:

Aside from well-known facts such as DOT 4's higher boiling point and is suitable for heavy duty use. Its biggest advantage is that it degrades at a much slower rate. Therefore, it's less corrosive to the 12 sensitive to the zinc plated valves and springs inside the ABS hydraulic block. Here is the link to [Ford's Safety Recall 19S54](#) which is precisely about upgrading their cars to DOT 4 Brake fluid and reasons for it.

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ABS HYDRAULIC BLOCK VALVE EXPLODED VIEW



Tip_3 Brake fluid replacement intervals.

Brake fluid should be flushed every two years or 24,000 miles. Follow your manufacturer's flushing procedure. In most cases, the diagnostic tool is needed to complete the procedure. One of the main reasons for that is that the ABS block has several valves that are in normally – closed position. This means the old brake fluid will be trapped in some passages inside the block. The diagnostic tool has a function that activates these valves during the flushing procedure. Degraded brake fluid will damage these valves over time and is the main reason for soft brake pedal feel.

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Tip_4 ABS Valve caps are sensitive to damage.

Take extreme care when handling the ABS Block. The valve protecting caps can be easily damaged. These caps are made from very thin stainless steel. Even a tiny dent will restrict the needle valve movement inside. Always ship the ABS Block with the module attached to it.



**TO AVOID DAMAGE DURING SHIPPING,
PLEASE SEND IT TOGETHER WITH THE
ABS MODULE**