

Technical information

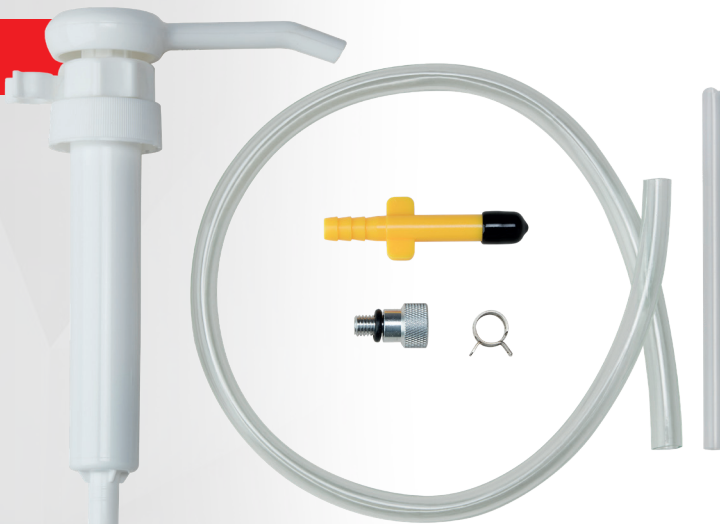


Our Hand Pump (part no. 29026) that fits our 1 l oil container or our Oil Filling Unit for Transmissions (part no. 7941) is suitable for filling the Haldex clutch.

Part no. 7941



Part no. 29026



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Haldex clutch

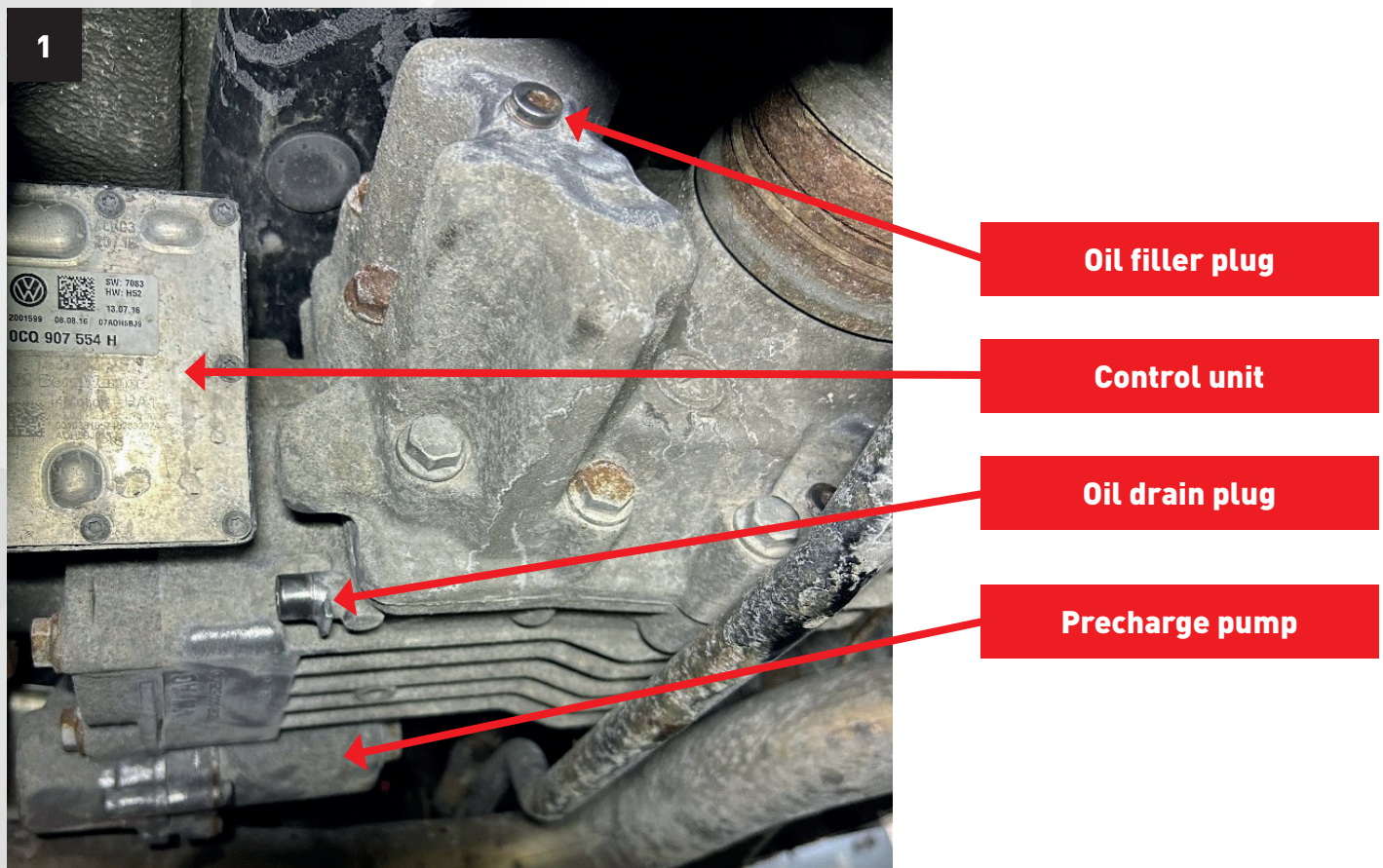
Sludge buildup and clutch debris inside a Haldex system are the main causes of precharge pump issues, usually caused by improper maintenance, overly long oil change intervals, or insufficient system cleaning when replacing the fluid.

The below instructions will help prevent such problems:

Various generations of Haldex clutch units are currently in use. The following example is specific to a Generation 5 clutch (Figure 1) without an oil filter. Generation 3 and 4 systems are equipped with an oil filter and will look slightly different. Please familiarize yourself with the system installed in your vehicle before starting a repair. Use a parts catalog, repair manual, or contact your local dealer for information. LIQUI MOLY cannot provide this info.

As of Q3/2024, the VAG Group does not offer OE replacement filters for their Haldex clutch units. The correct filter will have to be sourced from an aftermarket supplier. LIQUI MOLY does not provide filters, filter types, or part numbers.

Attention: During any work, always follow safety regulations!



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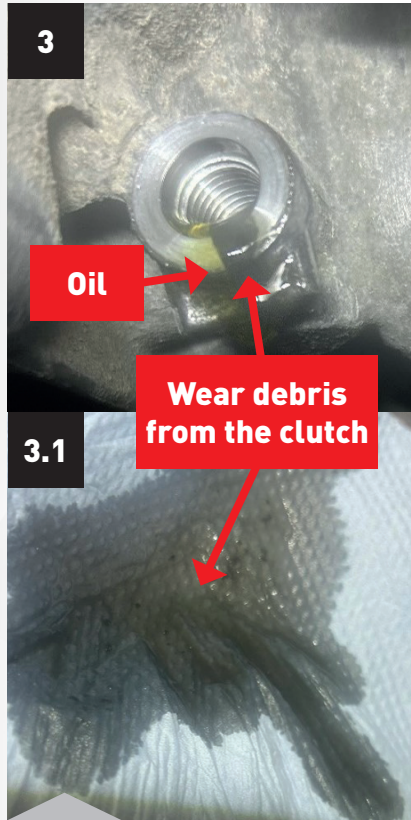


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Figure 2 depicts the initial drainage of relatively clean oil. Do not be deceived by this. As the draining process continues, thicker, waxy particles and clutch debris will start draining.



Figures 3 and 3.1 illustrate how larger particles and clumps flow out as the draining process nears completion, with some deposits remaining inside. If any remaining deposits are not removed, the filter and pump filter screen may get clogged, leading to system malfunctions and failure of the precharge pump and the Haldex clutch.

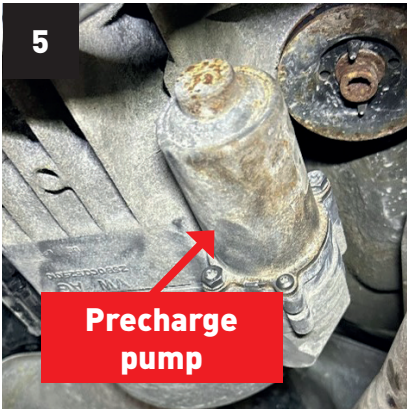


[Figures 4 + 4.1] Disconnect the precharge pump connector between the control unit and the pump. For better access, remove the control unit from its mounting.



Additional information and the right operating fluids for your vehicle can be found here!

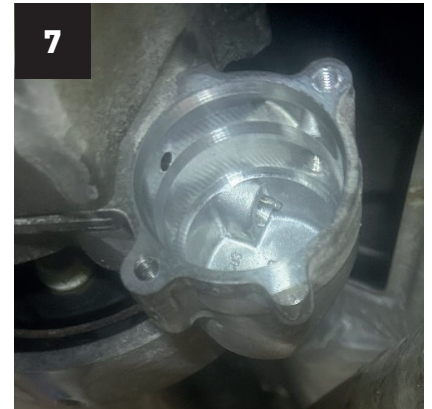
Remove the fill plug and add fresh oil per the manufacturer's instructions. Our Multi-Disc Clutch Oil (part no. 22194) is compatible with numerous Haldex units. The manufacturers' instructions and specifications must be followed. Refer to our oil guide for the correct oil.



Next, remove the precharge pump (Figures 5 + 5.1) and, if applicable, the oil filter (Generation 3 & 4) according to the manufacturer's instructions.



Remove and clean the filter screen (see Figures 6, 6.1 and 6.2) with a suitable cleaner.



Clean and flush the pump housing (Figure 7), the oil filter housing and the inside of the Haldex unit with a suitable cleaner. Spray the cleaner into the oil filler opening at the side of the Haldex clutch unit until only clear liquid is draining (Figure 7.1). We recommend using compressed air to remove residuals by carefully blowing through the Haldex housing with compressed air set at low pressure.



Attention: Before using the multi-disc clutch oil, it's important to shake it vigorously. This helps blend any LS additives that may have settled during storage.

After cleaning, reinstall all removed components while following the manufacturer's instructions.