wagner
a division of allied systems company

SERVICE BULLETIN

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DATE: Feb. 20, 2001
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BULLETIN NO.: WSB0355
SECTION: 5-5 (FILTERS)
MODEL(S): ALL WAGNERS

ATTENTION: WAGNER DEALERS, PARTS AND SERVICE MANAGERS

SUBJECT: Interchange of element 224351 with element 243458

Introduction

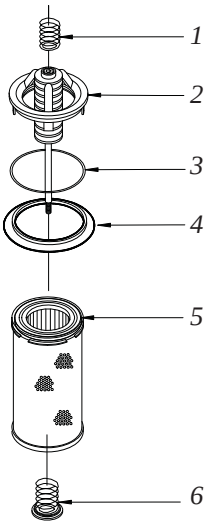
Allied Systems Company now offers a new return filter assembly, P/N 243457 that has increased efficiency and dirt holding capacity. The new filter element, P/N 243458 removes 99% of 10 micron particles and 95% of 6 micron particles versus the old filter, P/N 224351 which is rated at 60% and 33% respectively. Along with the increased filtration, the new element holds 15% greater volume of particles with a decrease in pressure drop of 20% when compared to the old element.

Identification

There are very few differences between the new and old style Filter Assemblies. The 243457 Filter Assembly uses both a filter element and a separate, reusable metal sleeve and does not require a bypass gasket. The 224350 Filter Assembly has a one piece element and requires a bypass gasket for proper operation. Figure 1 illustrates the differences between the new and old style filter assemblies.

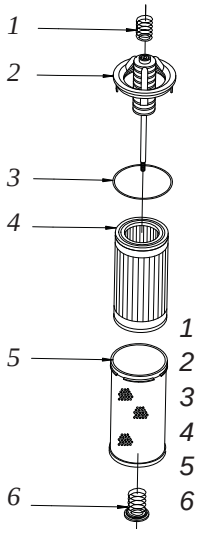
Figure 1: Comparison of 224350 and 243457 Filter Assemblies

Old Style Filter Assembly, Part Number 224350



1 *Spring, Top*
2 *Insert Assembly*
3 *Oring, Head to Tank*
4 *Bypass Gasket*
5 *Element*
6 *Bypass Assembly*

New Style Filter Assembly, Part Number 243457



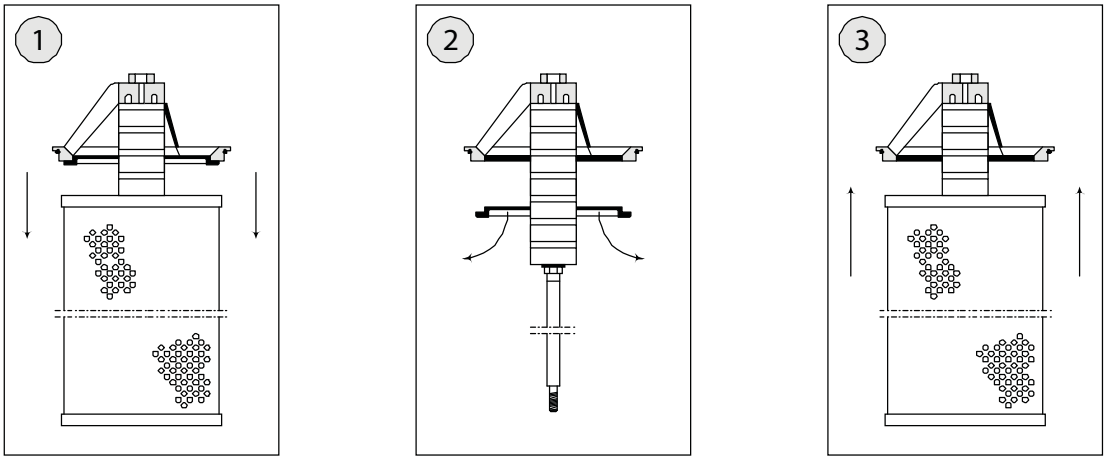
1 *Spring, Top*
2 *Insert Assembly*
3 *O-Ring, Head to Tank*
4 *Element*
5 *Basket Sleeve*
6 *Bypass Assembly*

Allied Systems Co. reserves the right to make changes to new equipment without incurring the obligation to make such changes to equipment previously manufactured.

Interchangeability

With minor modification, the 243458 element is fully interchangeable with the existing 224351 elements. However, the 224351 element cannot be installed in the 243457 filter assembly canister. **Note: If the machine came from the factory with a 243457 filter assemby, it requires the 243458 filter element. The 224351 element will cause hydraulic system damage if installed in the 243457 filter canister!**

Figure 2: Steps to convert to new style filter element



Remove Element 224351

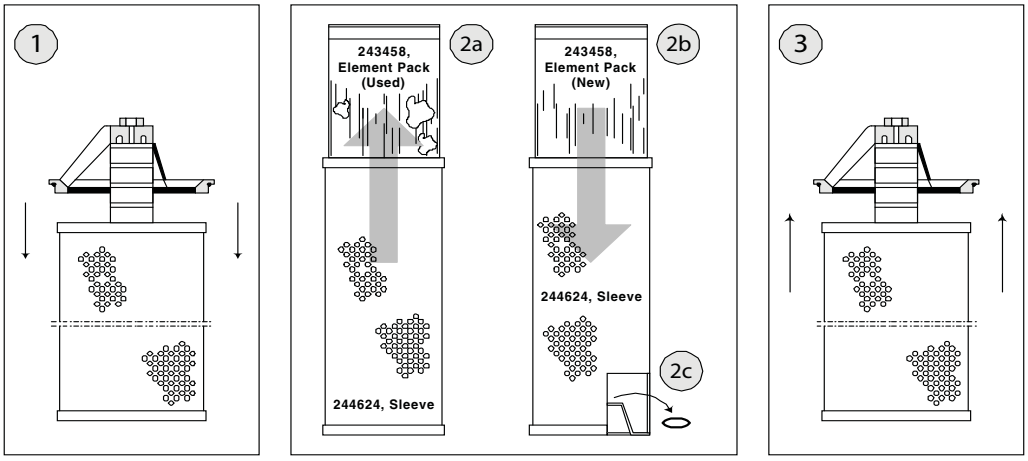
Remove and Discard the bypass gasket

Install Element 243458 into Sleeve 244624 and Mount

New Style Filter Replacement

When replacing the element for the 243457 Filter Assembly, it **IS NOT** necessary to also replace the 244624 basket sleeve. See Figure 3 for step by step instructions on replacing the new style filter element. **Note: Do not overtighten the bypass assembly/nut when reinstalling the new or old filter element.**

Figure 3: Steps for replacement of element 243458



Remove Element assembly

2a. Remove used element pack (243458)
2b. Install new element pack (243458)
2c. Check O-Ring and replace if necessary

Re-Mount Element assembly

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