



“A Legacy of Performance”

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Technical Bulletin

2017+ B&B Wreckers /w Walvoil SDS140 Valve System



by [B&B Parts Department](#) on March 26th, 2021

B&B Wreckers that were built with an Walvoil SDS140 Valve System (2017+) have an inherent flaw that blocks the unit's ability to function at peak hydraulic performance. The purpose of this bulletin is to inform and advise on how to correct this problem.

This flaw has gone unnoticed since these systems were introduced in 2017, and affect all units that were built with Walvoil SDS140 Valve System /w Scanreco Rocket Remote (shown in picture above).

The Walvoil SDS140 Valve that was installed on the units has a High Pressure Carry Over Plug from the manufacturer. This caused the hydraulic system to always be under pressure and was unable to operate at peak performance from installation.

Most common issues of this flaw:

- Abnormally Loud Hydraulic Noise/Whine
- Weak/Slow Performing Winches
- PTO Strain (always under load, even at idle)
- PTO Failure
- Excessive Hydraulic Temperature

This flaw is most prominent in Heavies, with the winches being underpowered and PTO failure from straining / overheating.

SDS Valve Systems Affected:

- Double Stack - 4 & 4 Section SDS Valve (Heavies, 20 Ton +)

Units **NOT** Affected:

- Single Stack - 9 Section Bucher & SDS Valve (12 Ton - 16 Ton)
- Double Stack - 9 Section & 10 Section Valves (Rotators)

Units running a Scanreco Remote System with a Bucher Valve are not affected by this problem, this problem is only prevalent in Heavies /w SDS140 Valves built past 2017, Rotators were not affected by this.

Possible Affected Walvoil SDS140 S/N's:

#17312426	#17312425	#18052599	#18052600	#18412832	#18412835
#17342462	#17342461	#18072611	#18072610	#18412833	#18412834
#17392504	#17392506	#18192697	#18192696	#18452866	#18452865
#17392505	#17392507	#18272761	#18272759	#18482894	#18482893
#18032582	#18032581	#18292778	#18292777	#18492926	

Overview of Repair:

***NOTE: Repairs should be performed by a professional hydraulic shop / technician .**

PTO Configuration-

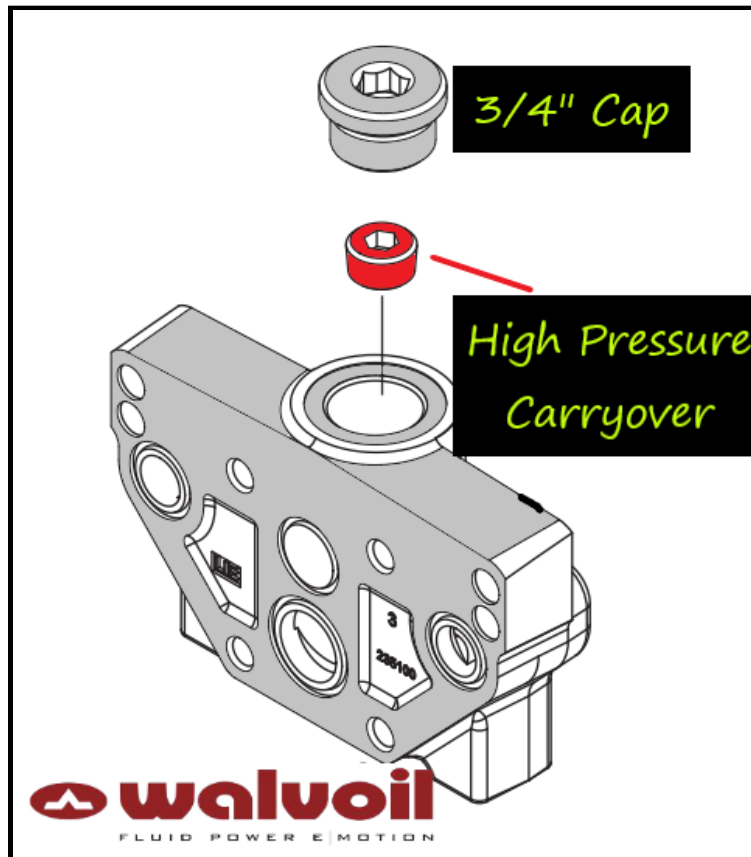
There are (2) types of PTO/Pump configurations that will determine what steps are needed to fix the problem, the type of configuration might shed some light on whether your unit is affected by this issue.

Single Pump / Dual Valve Bodies -

The High Pressure Carryover plug was meant for Single Pump / Dual Valve Body configuration. In this configuration, the 1st valve body (left) needs this plug to be installed to carry over high pressure to the secondary valve body (right). The High Pressure Carry Over plug **SHOULD NOT be installed** on the secondary (right) valve body, if installed it will cause these issues to arise.

Dual Pump / Dual Valve Bodies -

The High Pressure Carryover plug **SHOULD NOT** be installed on either 1st(left) or secondary(right) valve body. With a Dual Pump / Dual Valve Body configuration, both valve bodies have their own pressure supply coming from a dedicated pump (dual pump), if these High Pressure Carryover plugs are installed on either valve bodies, it will cause these issues to arise.



High Pressure Carryover Removal-

1. On the Outlet Side (right side) of the valve body, remove the top 3/4" cap or attachment connected.
2. Remove the High Pressure Carryover plug located directly below the 3/4" cap. **If missing the problem has most likely been fixed previously.**
3. Replace 3/4" cap / attachment

*Note: In the past, owners were directed to turn up the valve body pressure as a fix to this issue, if the valve body pressure was previously turned up to compensate for this issue, it must be turned back down to the OEM pressure of **3200 PSI / GPM 20**. This should be tested and verified by a professional hydraulic shop / technician.

