



**Service  
Bulletin**

**B0303003  
2003-2**

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**Subject:** Commercial Turf Care Floating Deck Hydro Walk Behind Mowers.

**Effected Serial Numbers:**

968999127 - WHF4215ETS - 014900001 thru 030300117

968999129 - WHF4818ETS - 014900001 thru 024300119

968999130 - WHF5218ETS - 014400001 thru 024300121

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**IMPORTANT:**

Disregard information found on Service Note N0203024 and Service Bulletin B0303002. The information found on these two pieces of correspondence was premature.

**Service Information:**

Shock Valves containing .031 orifices have been added in production to all hydraulic pumps used on floating deck walk hydro mowers. They have been added as a product improvement, to open the neutral band so drive neutral can be easily adjusted and maintained.

On mower serial numbers listed above, shock valves should be installed on any effected unit where neutral can't be maintained. If the unit being evaluated appears to have shock valves in place, but is in the listed serial number range, new shock valve kits must be installed.

**Parts Information:**

The .031 shock valve can be ordered under the following part number. This kit contains only one shock valve, so four kits are required for each WHF unit being upgraded.

P/N 539108170 SHOCK VALVE KIT, .031 ORIFICE

Each kit contains detailed instructions on how to accomplish this change.



## Hydro-Gear Hydraulic Pumps

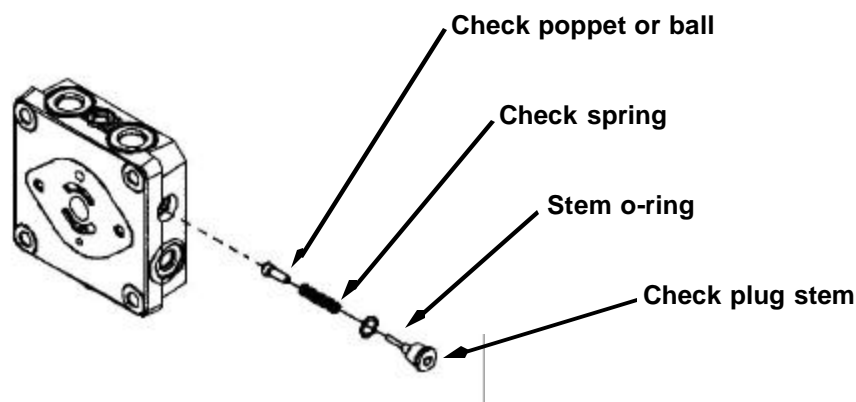
### 539108170 SHOCK VALVE KIT INSTALLATION INSTRUCTIONS

#### WHF Floating Deck Hydro Mowers

Raise the rear of the unit and place it on stable jack stands. It will be necessary to loosen the right hydraulic pump (remove the mount bolts).

Using a 6 mm allen wrench, identify and remove both check valves from the right hydraulic pump. Some oil will leak, so place a drain pan beneath the pump being disassembled.

**IMPORTANT:** Make sure all 4 parts of the check valve are removed. They are:



Install the new shock valve in the same sequence, noting that the small end of the new spring goes into the .031 poppet, and the check plug stem is replaced by a hex head housing containing a new o-ring. Torque shock valves to 180 - 240 in. lbs. (14-20 N.m). Repeat instructions on the left pump.

Before retightening the right pump, make sure the pump arm has a angular bend as shown. This bend is necessary so the arm will clear the shock valve installed in the left pump. If the arm is straight, order a P/N 539105913 Bent Arm to replace it.

Also see information on Husqvarna Service Note N0203015 (Improving Operation & Handling - ETS Units).

**IMPORTANT:** Air will have been introduced during shock valve installation. Following instructions found on Husqvarna Service Bulletin B0103002, completely purge air from the hydraulic system. It will be necessary to readjust the neutral band according to operator's manual instructions before returning the unit to service.

Retighten the right pump, raise the unit and remove the jack stands.

