

To: **All Distributors**
 Regional Sales Managers and National Sales Manager

From: **Labrie Technical Development**

Model: **All**

Subject: **Packer Regeneration Circuit Update**

Packer regeneration is an option used when low rpm hydraulic systems are installed, per customer specification.

Regeneration is active only when the packer cylinders are extending and the chassis RPM is below 1000. When in regeneration mode the packer cylinder rod end oil is diverted into the piston of the cylinder.

This combined with the flow from the pump decreases the duration of the packer extend cycle by 3 to 5 seconds.

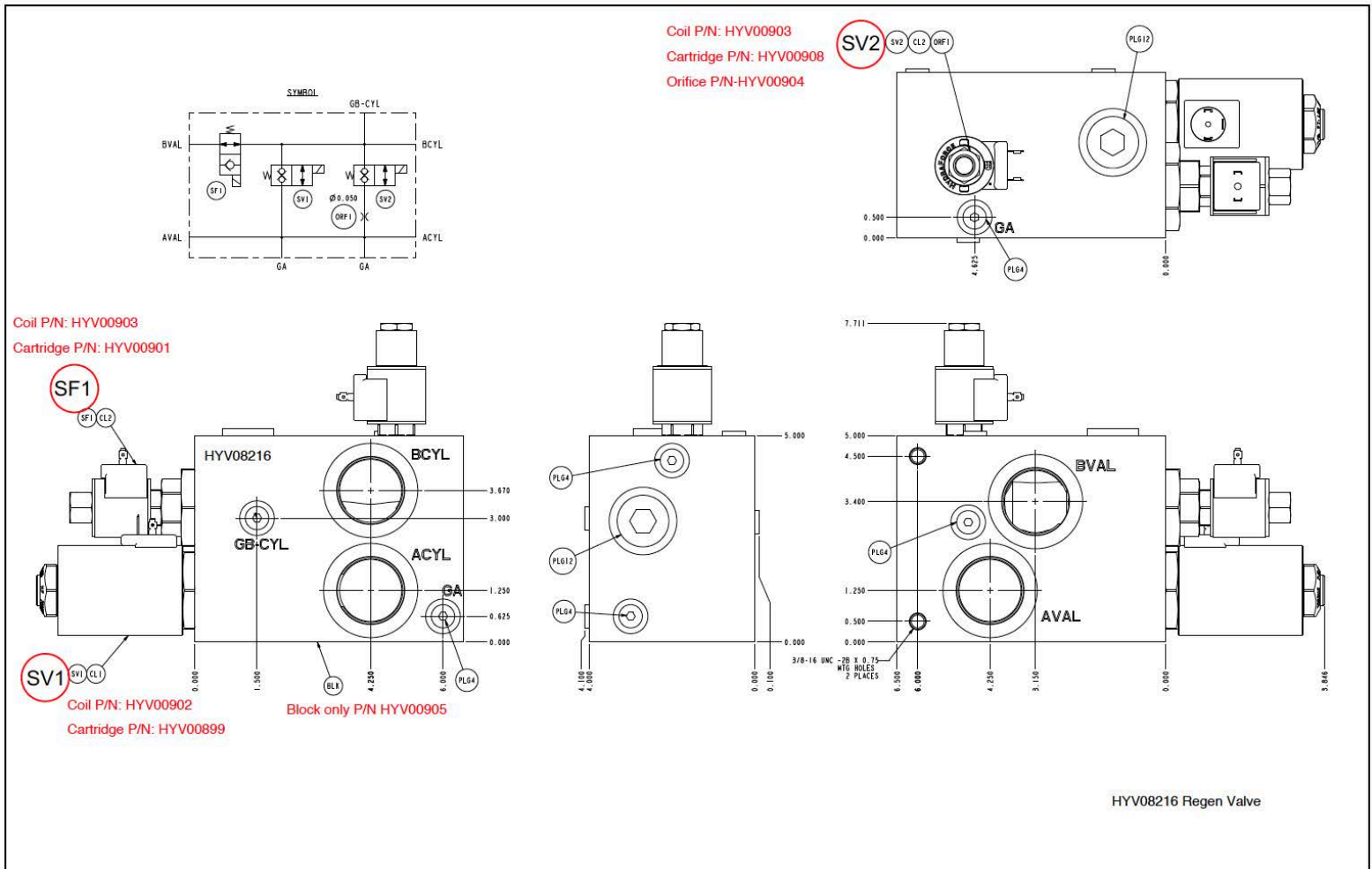
How it works:

Coils SF1 and SV1 are only energized during the regeneration mode and are de-energized during every other mode. Coil SV2 controls a small valve with an orifice designed to smooth the transition between regen and non regen modes. The SV2 coil will only activate for 0.5 second when the packer valve section returns to neutral position. If the SV2 coil is disconnected regeneration will still work, but the transition between regen and normal operation may be a little sharp.

When all the coils are de-energised the bloc is NOT in regeneration mode. With all coils de-energized you will notice a slower packer extend cycle at rpm below 1000 but this will not affect payload.

Refer to schematic below for operation and the pictorials for the physical location of coils SF1, SV1 and SV2 on the regen valve.

Reference service bulletin 16-14 for information on prevision versions of regeneration.



Please contact the LabriePlus Service Department at (800) 231-2771 with any questions or for further information.