

Betts Industries, Inc.

1800 Pennsylvania Ave. West
Warren, PA 16365 U.S.A.

Engineering Bulletin 2-2000

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Subject: Stuffing Box Springs for Internal Chemical Hydraulic Valves CH45843SST

In October 1999, Stuffing Box Spring 19616SS was added to all repair kits for Betts Chemical Hydraulic Valves. This spring works well in all Betts Hydraulic Valves, except for the older style internal hydraulic valve (CH45843SST) which has the 6 cap screws and a retaining plate to load the packing. On these older internal valves, the new stuffing box spring makes installation of the packing over the threaded seat stem very difficult, if not impossible. However, on the newer internal valves where the Packing Retainer (19446SS) loads the packing from the inside of the Disc Assembly, the new spring performs very well. Internal valves with the newer packing arrangement can be identified by a "V" groove cut on the outside of the flange on the top of the Disc Assembly. Older style valves do not have this groove.

Betts has decided to remove the Stuffing Box Spring (19616SS) from repair kits for internal valves. However, many repair kits are in circulation already with the spring included. **If you receive a kit with a spring included and you use it to repair an older style internal valve, simply discard the spring in the repair kit and reuse the original packing spring from your valve. If you are repairing a newer style internal valve, the new spring from the repair kit should be installed.**

Older style internal valves can be upgraded to use the new packing design by ordering a new Disc Assembly (27664SS) which includes a Packing Retainer (19446SS) and the new packing spring (19616SS).

4"x3" and 4"x4" external valves all perform better with the new packing spring than with the old packing spring. Therefore, the new packing spring will be included in repair kits for those valves. Discard the old packing springs and replace with the spring from the kit when rebuilding these valves.