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## White Paper

### Tolerances for power-drawbar should be relative to the top of the bearing cap

The new tolerance for power drawbar shoulders relative to the top of the bearing cap is  $-0.100$ " to  $+0.050$ " above.

The design intent for the drawbar shoulder relative to the top of the bearing cap is  $.050$ " below. However, in a few machines this dimension cannot be held because of variances between machines. If the drawbar shoulder is more than  $0.050$ " above the bearing cap, then flat washers to act like spacers should be added between the top bearing cap and the power unit. If the drawbar shoulder is more than  $-0.100$  below the bearing cap, then an additional spacer must be added above the normal drawbar spacer. For these additional spacers, use part number 24146 for R8 drawbars and part number 24149 for 40 taper drawbars.

