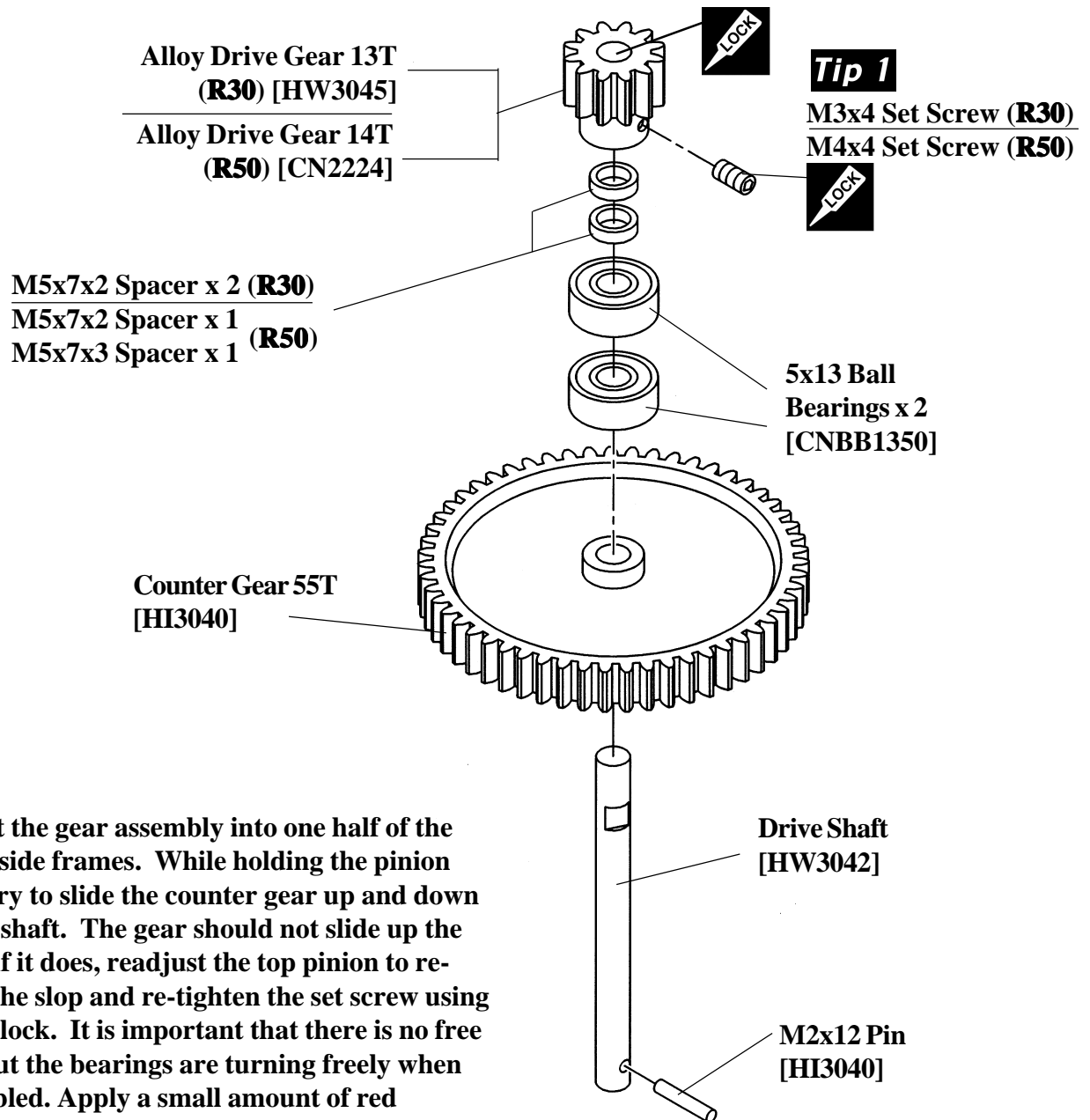


Step 12 Counter Gear Assembly

From parts bag 2: Assemble the engine drive gear assembly, start by pressing the guide pin into the hole in the end of the Drive Shaft. Insert the shaft through the Counter Gear (**make sure the pin is fully seated in the recessed side of the gear**) then slide the two M5x13 Ball Bearings. **R30** slide two M5x7x2 spacers onto the shaft and slide the Alloy Drive Gear onto the shaft aligning the flat spot on the shaft. Insert one M3x4 set screw (Tip1) into the Alloy Drive Gear and tighten in place. **R50** slide one M5x7x2 and one M5x7x3 spacer onto the shaft and slide the Alloy Drive Gear onto the shaft aligning the flat spot on the shaft. Insert one M4x4 set screw (Tip1) into the Alloy Drive Gear and tighten in place.



Tip 1 Test fit the gear assembly into one half of the upper side frames. While holding the pinion gear, try to slide the counter gear up and down on the shaft. The gear should not slide up the shaft, if it does, readjust the top pinion to remove the slop and re-tighten the set screw using threadlock. It is important that there is no free play but the bearings are turning freely when assembled. Apply a small amount of red locktight to the top of the counter shaft and insert into the pinion gear.(not the set screw).

Tip 2 Expert tip, once all components are in their final position, using a needle apply one drop of blue threadlock carefully at the joint between each bearing and the shaft. **Warning**, threadlock will damage a bearing.