

## Assembly Tips

**Paul Van Brunt**, builder from the AAMCO center in **S. Burlington, VT**, sent in this assembly tip on a ZF5HP19FLA.

According to Paul, if you have ever tried to put a ZF5HP19FLA transmission together, you know its hard to assemble the pump and clutches into it. You have to jiggle the Brake C Clutch Hub through the Clutches in the Pump. It can be very frustrating.

Paul's tip is to assemble all the clutches in the pump right back to the sun shell and bend a wire hook to hold the parts together (See Figures 1 & 2). This allows this section to slip right into the case with no jiggling. Once this section is in, just turn the output shaft and you can work the pump bolts in. Lastly, don't forget to retrieve the wire from the case opening above the valve body.

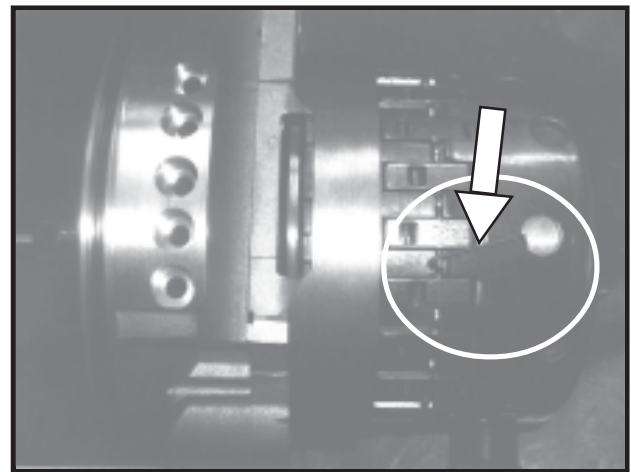


Figure 1 - Area in the circle is where wire hook is used.

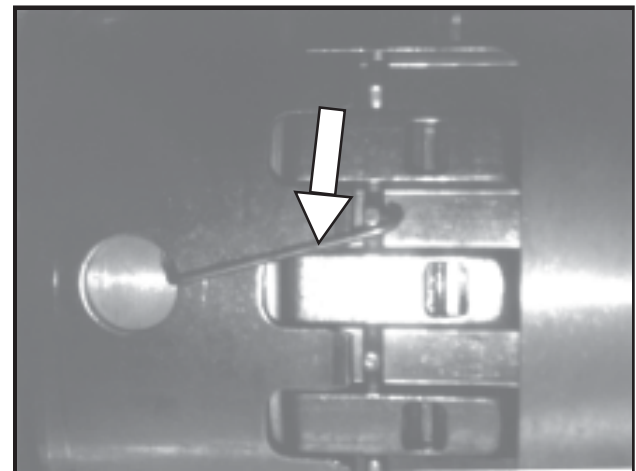


Figure 2 - Close up of wire hook

### Thanks Paul!

For your assembly tip on the ZF5HP19 FLA

Your \$50.00 check is on the way.

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