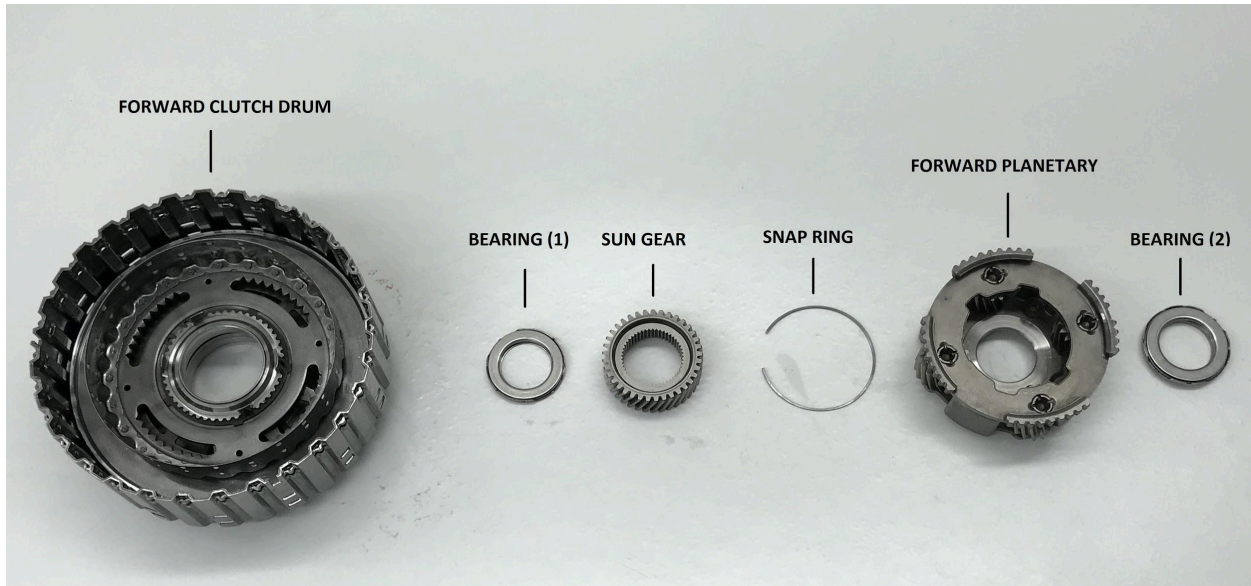


3R200

TRANSMISSION BY PBH

The installation of the PBH 3R200 hub, along with tune changes, allows the 6R80 transmission to be converted to a 4 speed transmission. With this you gain a more desirable gear ratio for performance and greater power holding capabilities. This conversion will still retain overdrive, torque converter lockup, and trans-brake (if equipped).

The installation of the PBH 3R200 hub can be done in a few easy steps while the transmission is disassembled. Here is the section you will be working with:



Step 1 - Remove and discard bearing (2) as it will not be needed with the installation of the 3R200 hub.

Step 2 - Remove the forward planetary carrier assembly from the forward clutch drum. This is done by using a small pick or flathead screwdriver to depress the snap ring of the planetary carrier. Here is the planetary already removed for a better view of the snap ring that will need to be depressed.

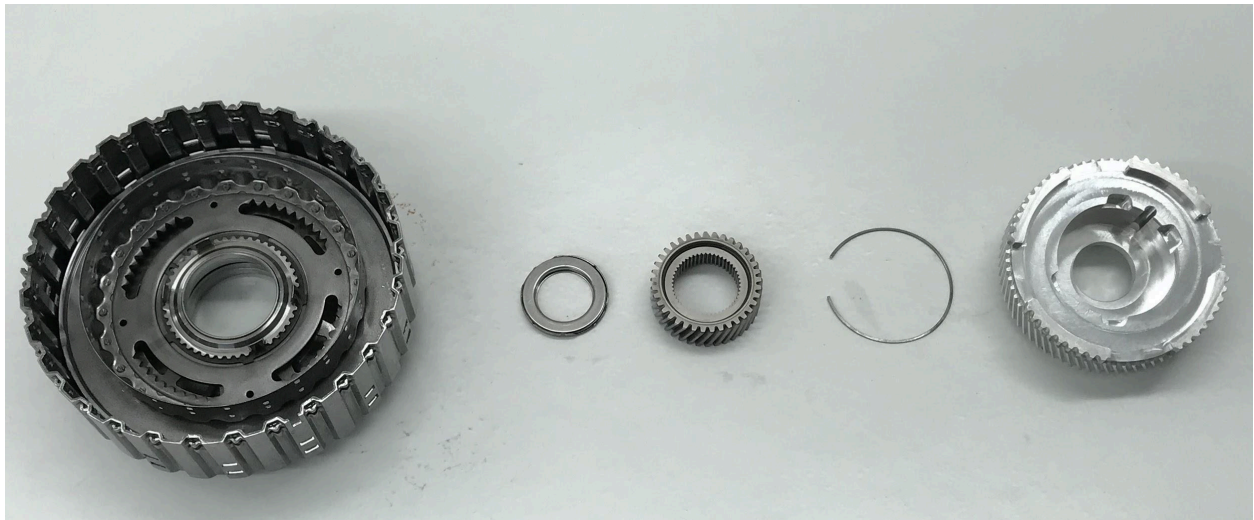


Use your fingers to pull up on the center of the sun gear, slide your pick between the planetary carrier housing and depress the snap ring. While depressing the snap ring, pull up on the planetary carrier assembly until free (It will come out about a quarter inch or so). Next, Rotate the part 180* (do not allow the carrier to drop back in or you will have to start over). Now depress the retaining ring again and remove the planetary assembly.

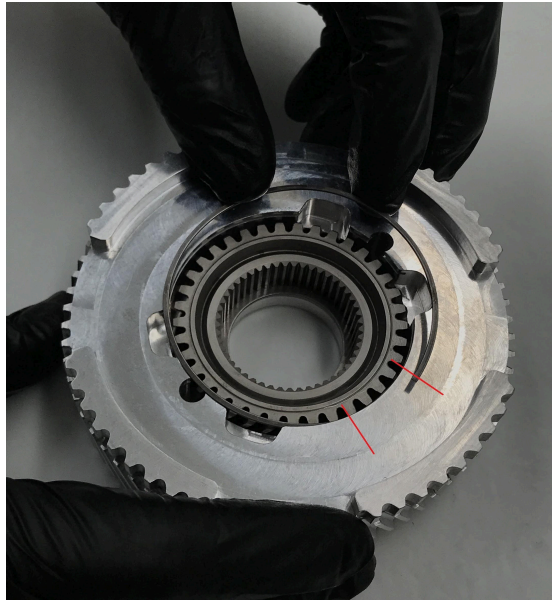
Note: You can only get to the retaining ring from between two of the four planetary gears.



Step 3 - Remove the snap ring, sun gear, and bearing (1) from the planetary carrier and install all three in the 4R200 hub in the same order. You will need to install the snap ring with the ends away from any openings in the snap ring groove. If this is not done you may not be able to remove the hub after installation.



This shows the area where the snap ring ends should be installed.



Step 4 - Connect the 3R200 hub to the forward clutch drum by turning the 3R200 hub over while holding up on the sun gear and pressing the hub onto the forward clutch drum. This should clip on very easily, do not force it on.



You can now reassemble the transmission. Again do not use bearing (2) when reassembling the transmission.