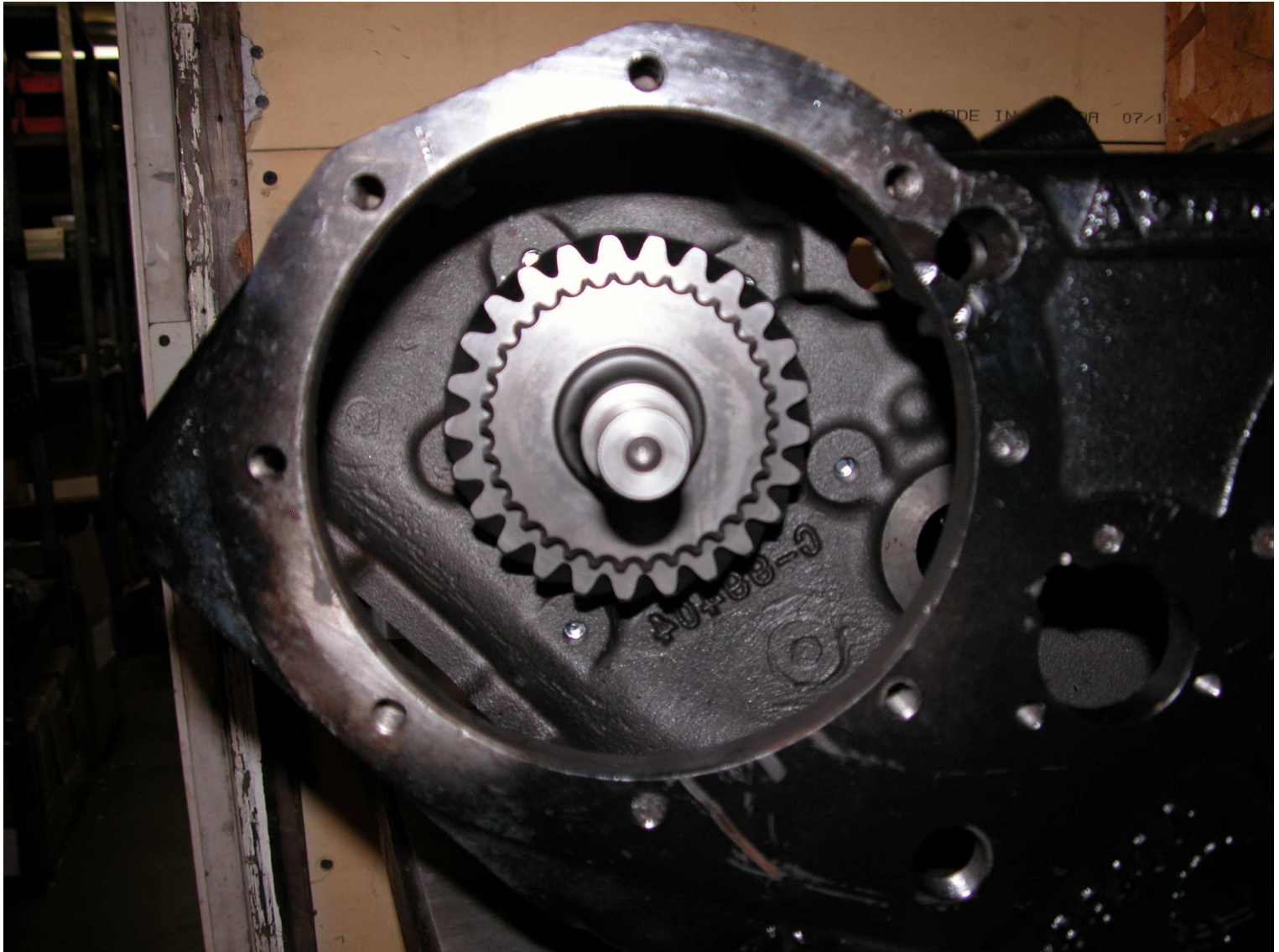


## Step 5:

Install the Titan Series BlackBox-i Main Shaft through the back of the NP205. Once you see the shaft enter the BlackBox slide the supplied snap ring over the Range Splines and continue to push the Main Shaft through the Range Slider until the shaft seats fully against the input bearing. Now comes the tricky part. with a good pair of snap ring pliers install the snap ring into its groove. This is why we have the shifter shifted forward to allow room to get the snap ring in place.



## Step 6:

Install the NP205 Shift Collar with Shift Fork through the Back of the 205 on the teeth of the Main Shaft.

### Notes:

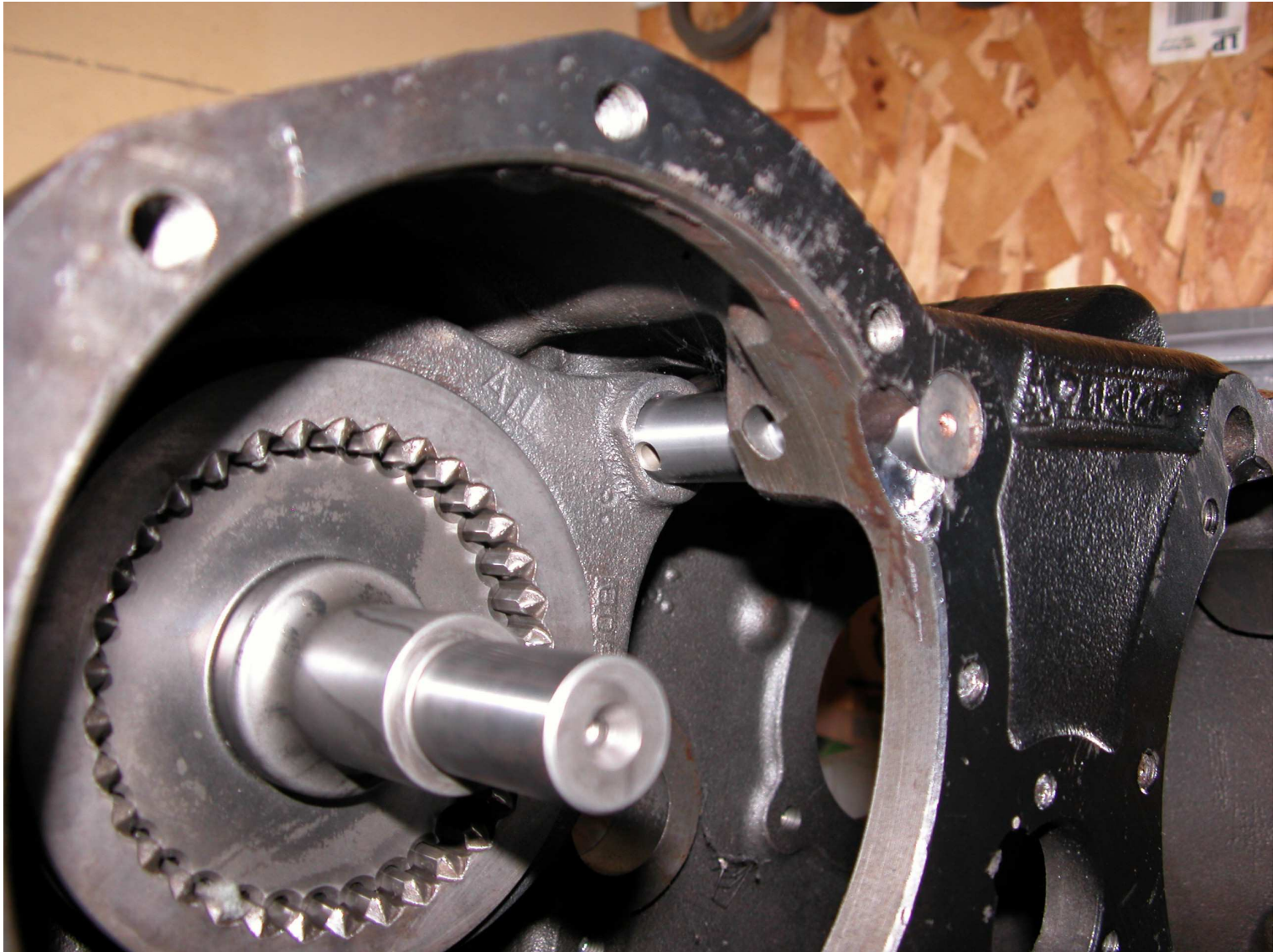
- (1) Make sure the Shift Fork has the greater offset side towards the Main Shaft this will allow clearance when shifted in High Range.
- (2) We like to start the roll pin into the fork to ease the installation later. make sure not to drive it in too deep yet and the shift rail will still need to pass through.



This side faces towards the front of the NP205. Note the Roll Pin has been started as well.

## Step 7:

Install the Short Shift Rail through the rear shift rail hole with the forked end going in first. (Shift Rail Rotation is not to critical at this time except to clear shift interlocks which should be out of the way). The Shift Rail will pass through the back of the case, through the shift fork, through the front of the case then through the shift rail seal. When it passes through the Shift Rail Seal make sure the seal does not invert as this will ruin the seal and make the seal leak.



## Step 8:

Now comes the tricky part of getting the roll pin to line up with the hole in the Shift Rail. First Make sure the shift rail is sticking out the front of the case by 1.4". The Shift Rail was be rotated so the flat on the back of the shift rail is facing toward the middle of the case (3 O'clock on a GM or 9 O'clock on a Ford). Now you can slide the shift fork and shift collar back until the roll pin lines up with the hole in the rail, this is just trial and error a light shining through can aid in the install. You want to drive the roll pin in so it is flush with the top of the shift Fork.

## Step 9:

You can now finish the reassembly of your NP205 the same way you took it apart.

**This concludes this Part of the BlackBox install to your NP205, The Next Section will Cover Orientating the front half of the BlackBox with the rear half and achieving proper clocking rotation.**