

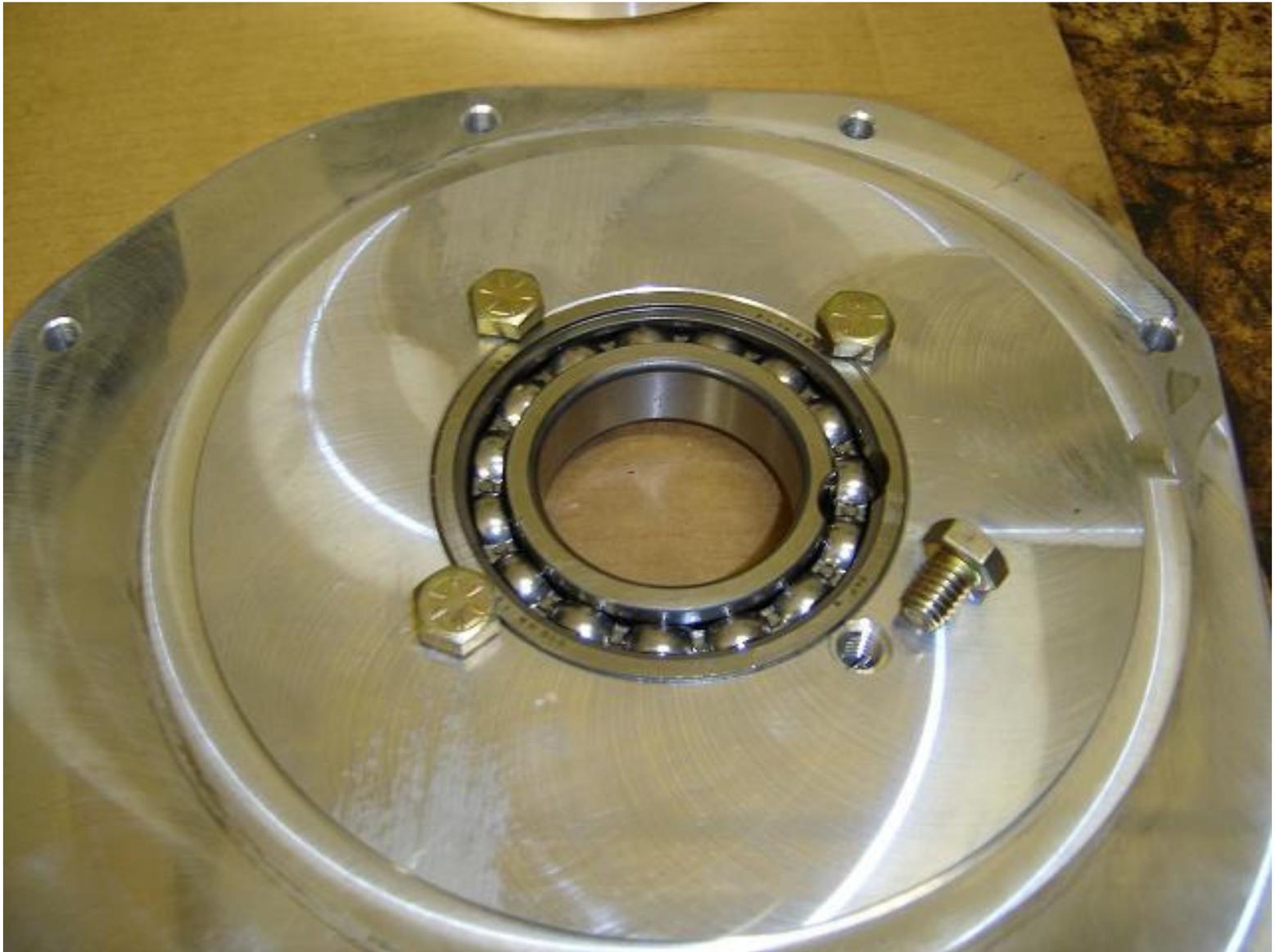
Installation Manual for your NP203/NP205 Adapter Kit

Part 2:

Installation of the Adapter onto the NP203 Range Box

Step 1:

Install the bearing removed for your NP203 bearing retainer into the NP203 adaptor plate. Make sure the bearing starts square and tap/press until it is properly seated.



Secure the bearing into place with four 3/8"NC x 1/2" cap screws and four 3/8" Lock Washers (included). Apply Lock-Tite to the threads.

Step 2:

Apply a coating of bearing grease to the lower section of the 8620 Billet main shaft where the low range gear will install to.



Step 3:

After making sure both parts are clean, carefully slide the low range gear onto the billet main shaft with the shift collar indexing points facing to the base of the main shaft. Make sure the low range gear spins freely on the shaft.



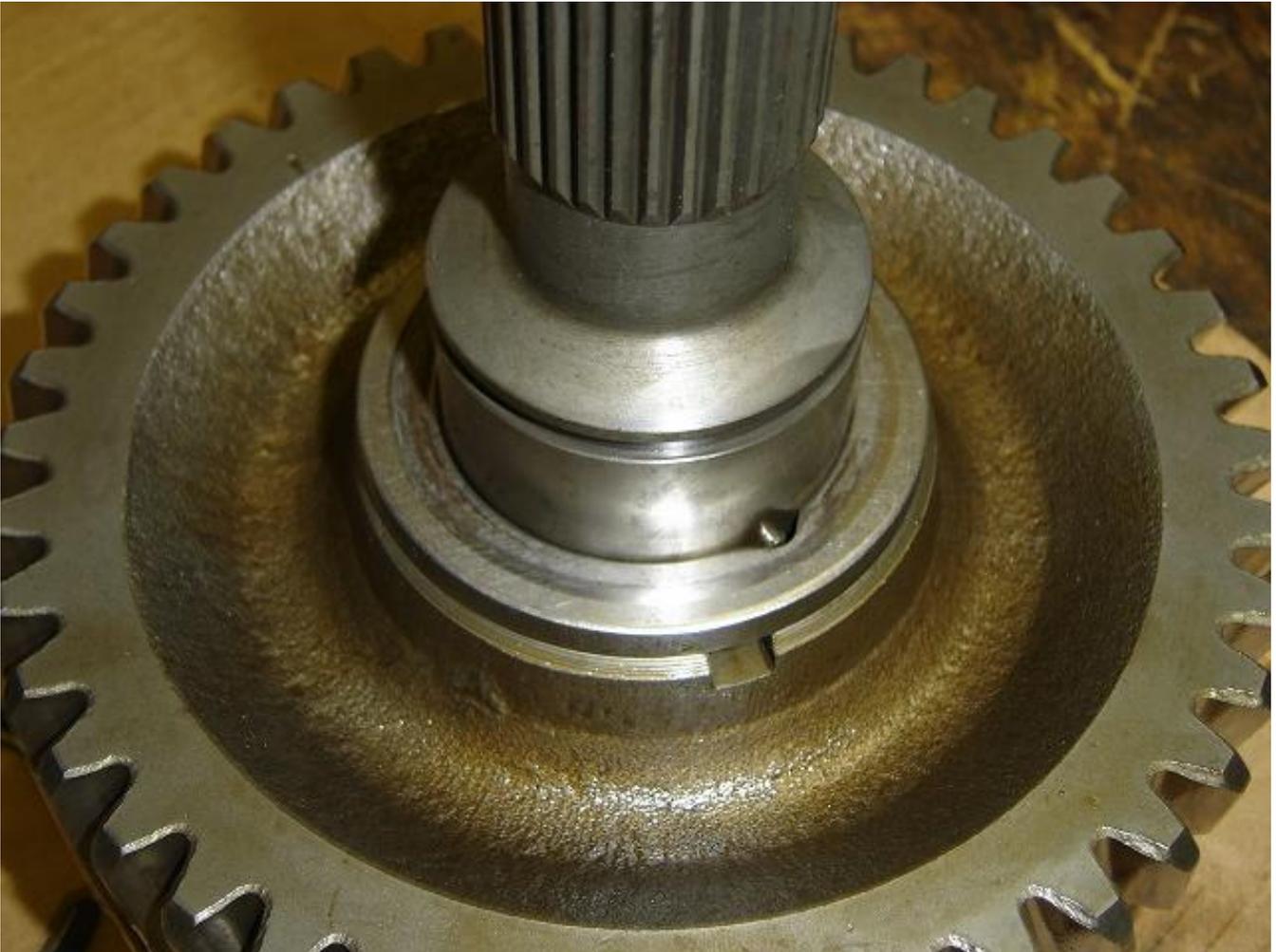
Step 4:

Wipe off the small locating pin removed in **Part 1: Step 10** and install it into the main shaft just above the low range gear.



Step 5:

Slide the spacer onto the main shaft, with the notch facing around the locating pin.



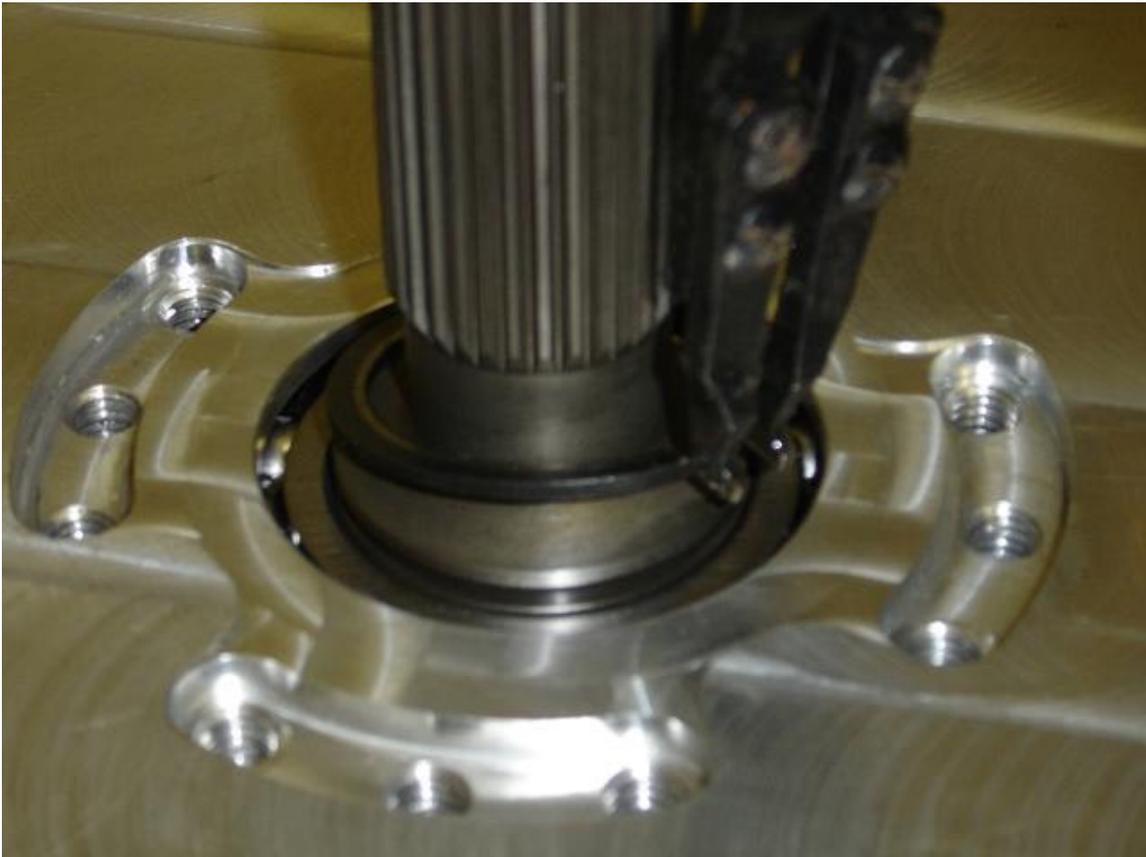
Step 6:

Carefully slide the main shaft and low range gear assembly through the bearing on the NP203 adaptor plate.



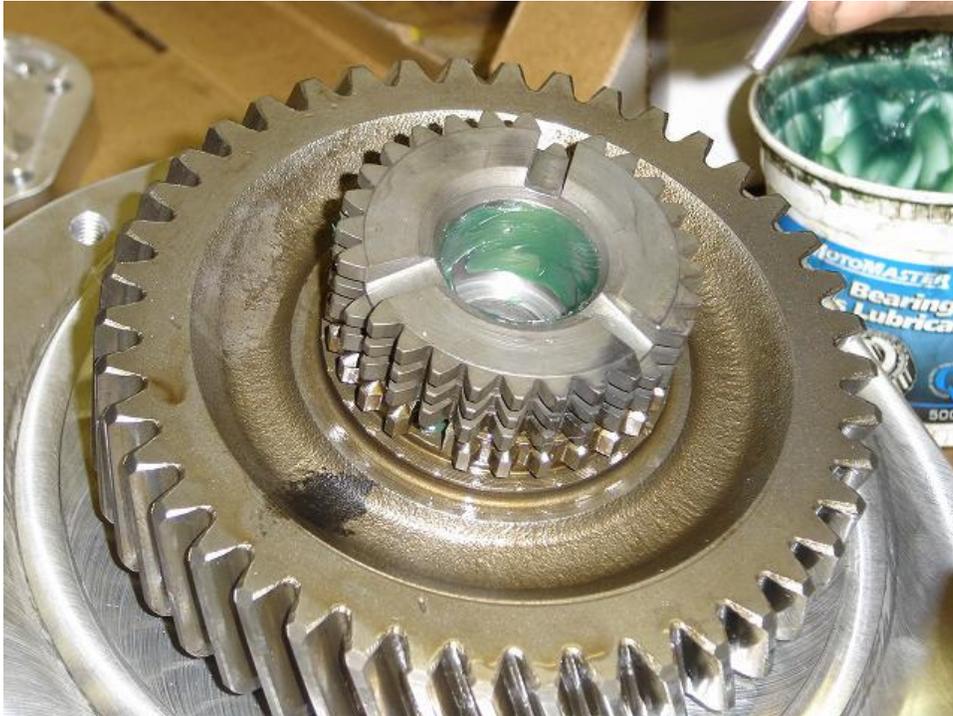
Step 7:

Install the snap ring previously removed from the factory assembly on the main shaft, on the outside of the adaptor plate into the snap ring groove. This will hold the low range gear assembly onto the adaptor plate. Assure the snap ring is secure and seated correctly.



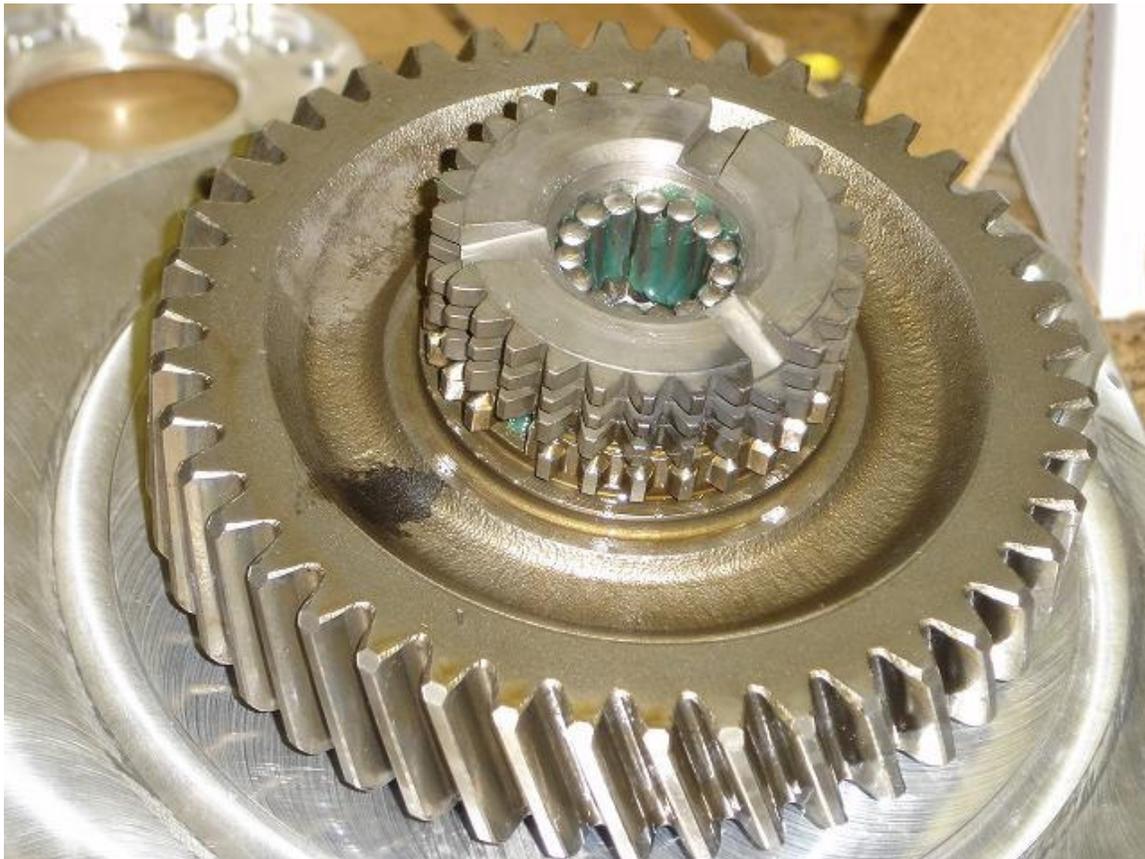
Step 8:

Flip the adaptor and shaft assembly over and prep the main shaft with bearing grease.



Step 9:

Clean and dry the 15 fat needles removed from the factory main shaft in **Part 1: Step 4**



Carefully install the 15 needles so that they 'stick' to the main shaft housing using lots of bearing grease. Assure the bearing grease is clean and no dirt or grit exists.

Step 10:

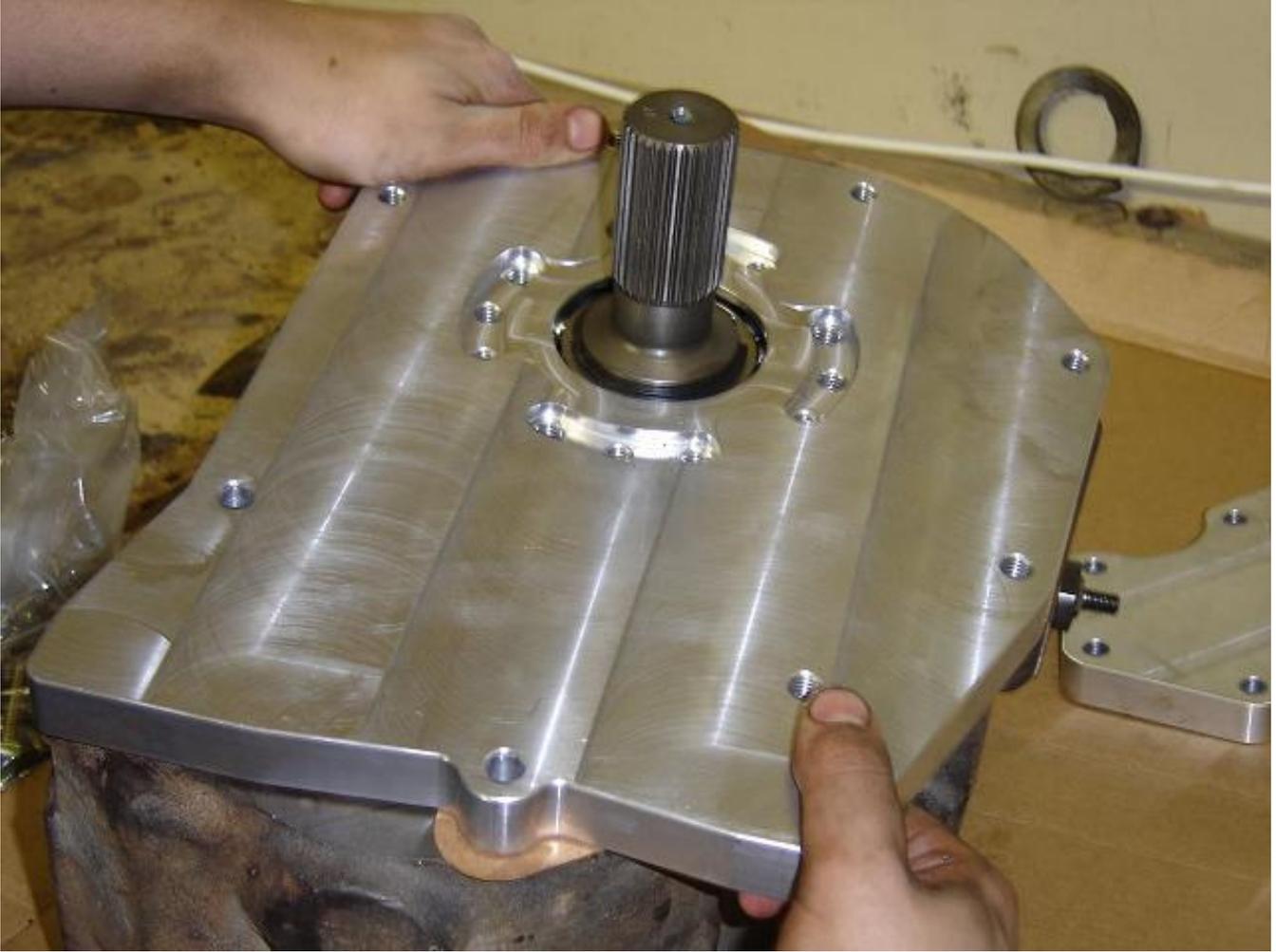
Prep your NP203 range box rear face with a thin coat of Gasket Prep such as RTV Sealant. Place the supplied paper gasket over the thin coat of sealant and rub firmly to assure it adheres flat.



After allowing the sealant to tack, apply another thin coat to the backside of the paper gasket.

Step 11:

With the 203 Range Box facing down, drop the adaptor and low range assembly onto the range box. The input gear inside the range box has a male shaft that fits inside the 15 fat needles. If the assembly does not drop directly onto the range box, likely a needle has fallen out of place. Remove, and try again until the assembly drops down flat.



Step 12:

Tighten the adaptor assembly onto the NP203 Range box with the (8) 3/8"x1-1/2" Bolts and 3/8" Lock Washers supplied.



There are 6 on the front of the 203 box, and 2 at the back of the adaptor.

Step 13:

Turn your NP203 Range Box so the PTO opening faces you. Prep the PTO surface with a RTV sealant. Place the supplied paper gasket over the thin coat of sealant and rub firmly to assure it adheres flat.



After allowing the sealant to tack, apply another thin coat to the backside of the paper gasket.

Step 14:

Bolt the PTO Cover over the paper gasket with the fill plug on top side.



Move onto Part 3 of the Installation Manual for the Different Clocking Positions.