

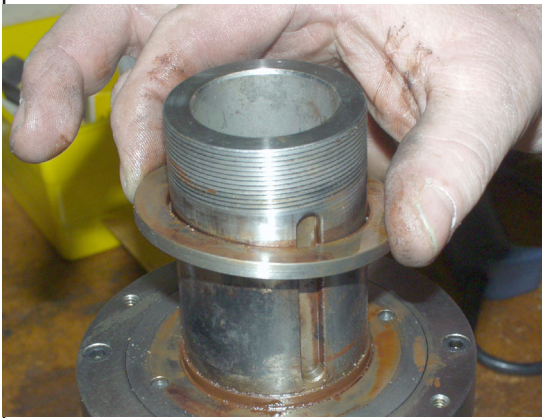
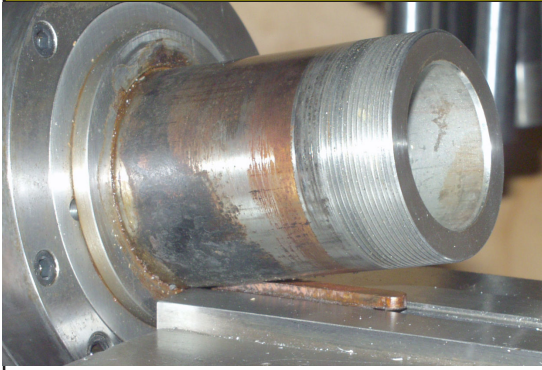
OmniTurn Service Procedure

Notes on spindle rebuilding

Removal of spindle from GT-75 or GT-Jr

Just take the collet closer off the back end, and then 6 screws on the outer flange in the front. The spindle assembly pulls out the front.

Remove the key from spindle back end. Here we show the key being removed by grabbing it with a bench vise. Do not loose the key, you will need it later. Make sure the key is not worn, sometimes with years of use the key wears down and develops play.



Then remove the spacer. It just lifts off

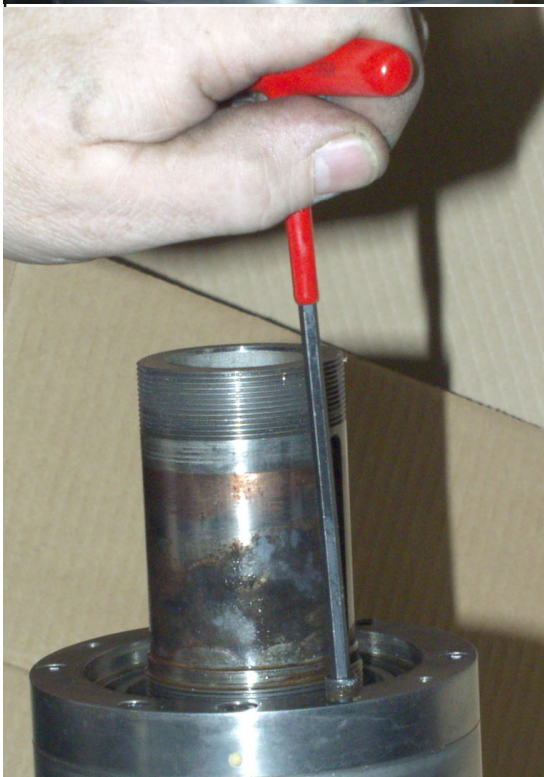


Remove the threaded ring holding the spindle core in the bearings. This collar threads off right handed. A spanner wrench is strongly suggested. Here we had to hold the other end of the spindle in a vise.

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Here we are taking the ring off that was just un threaded



Remove the screws from the collar, don't loose these either.



Remove the collar

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Turn the assembly over and remove the screws from the collar on the front.

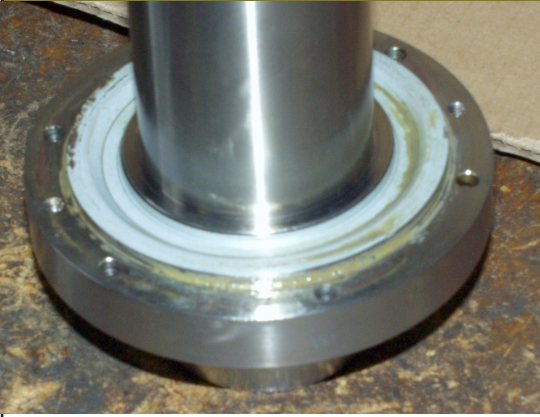


With an arbor press, carefully press the spindle out through the front of the cartridge. Don't let the spindle drop out and hit you on the foot. It is heavy.



This is what is left.

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Check the front seal on the spindle. It is fragile, take care not to dent or damage.



The bearings must now be removed from the housing. With a brass rod tap the bearing out the back first. Be carefull, there are some springs and a collar. Look at the next few steps first before you do them.



Here is the bearing after it has been removed from the housing

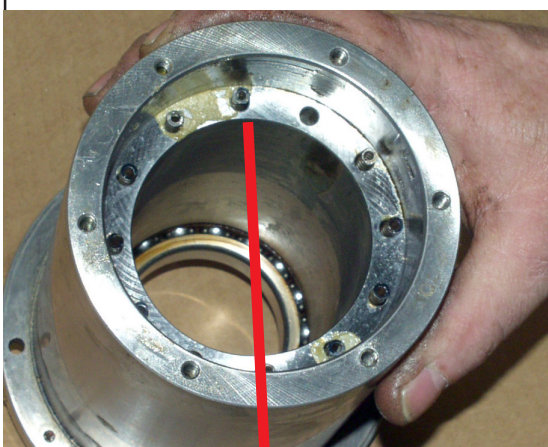


Under the back bearing there is a ring that goes over a set of springs. Make sure you really don't loose this! Make note as to how it comes out. It must go back the same way!!!

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Pull the spindle sleeve out.

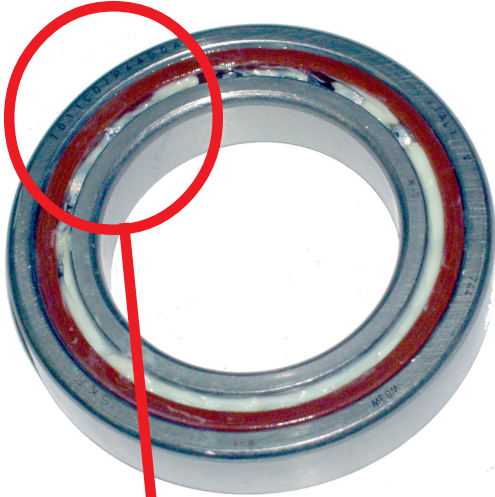


Take the springs out. There are 12 holes, 10 springs. This is the way it was first put together. You did not loose any yet.



Here is the bearing in the front being removed by tapping from the rear with a brass bar.

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Replacing the bearings

First make sure that all items are cleaned and free of dirt and junk. This is very important.

Get the correct bearings and lubrication for run in and long life.

The bearings must be placed in the cartridge the correct way. If they go in backwards they are toast.

The lettering on the outside edge of the bearings must face each other.

Now just read this manual backwards.

