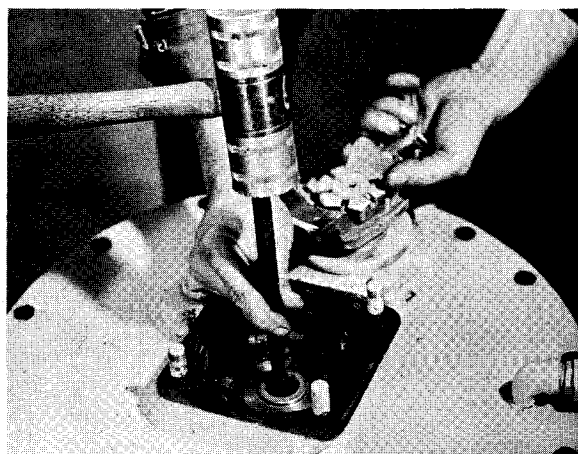
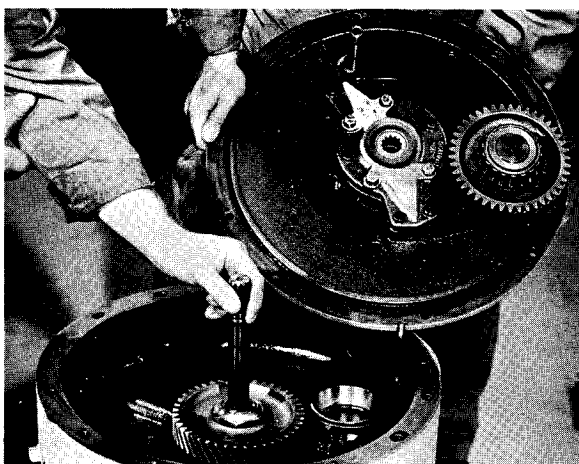


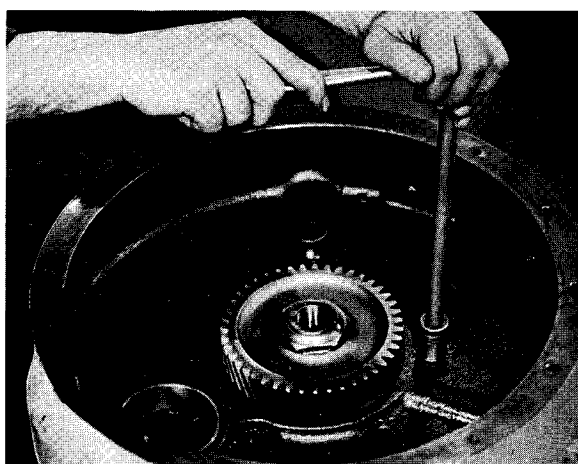
**1** Carefully tap cover loose, with rawhide hammer at point dowel pins.



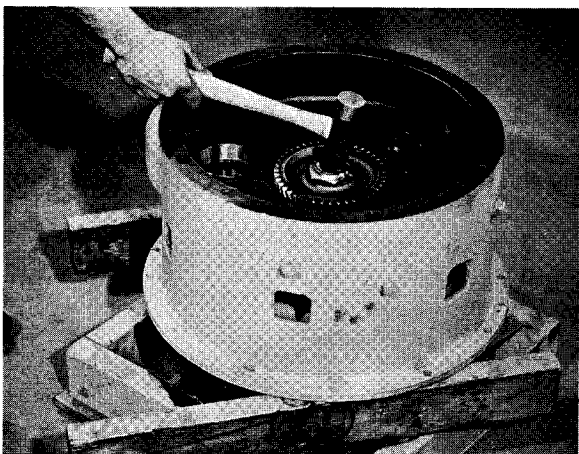
**2** Lift cover, driving down oil pump shaft. When clear of shaft move cover sideways to clear drive gear.



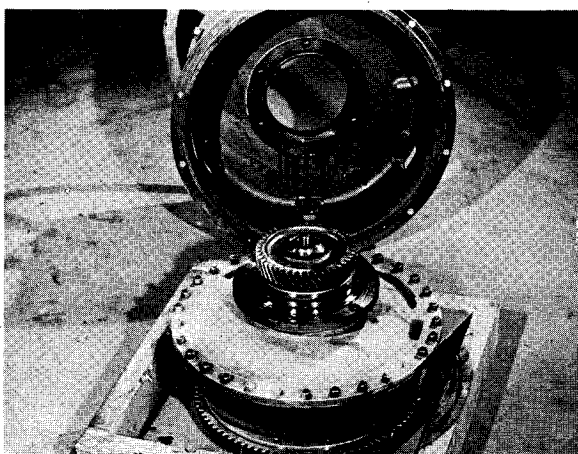
**3** Lift out oil pump drive shaft.



**4** Remove stator support bolts, as shown.



**5** Block up housing, tap lightly on nut.



**6** Torque Converter clear of housing.

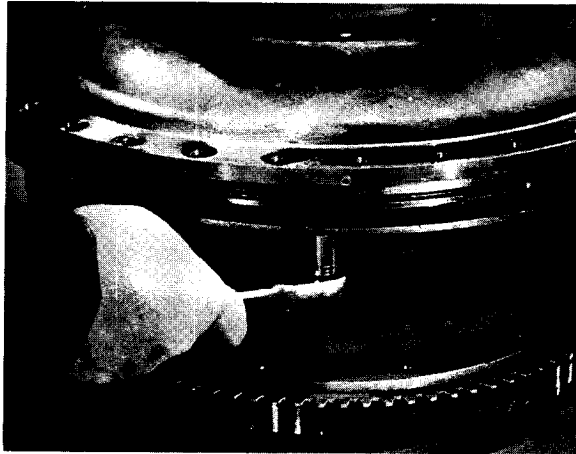
# TORQUE CONVERTERS

## Shop Manual

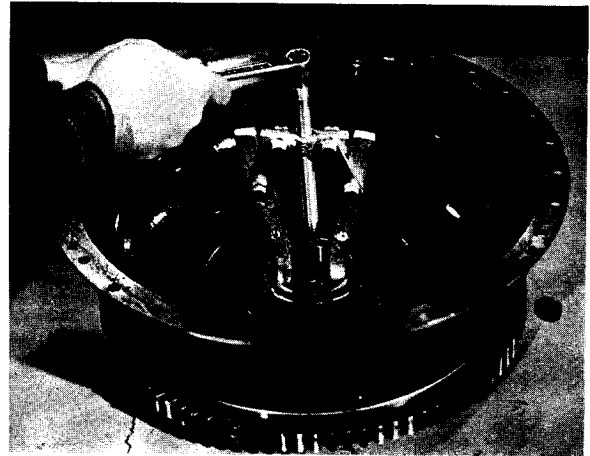
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Line

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C125 C175 C400

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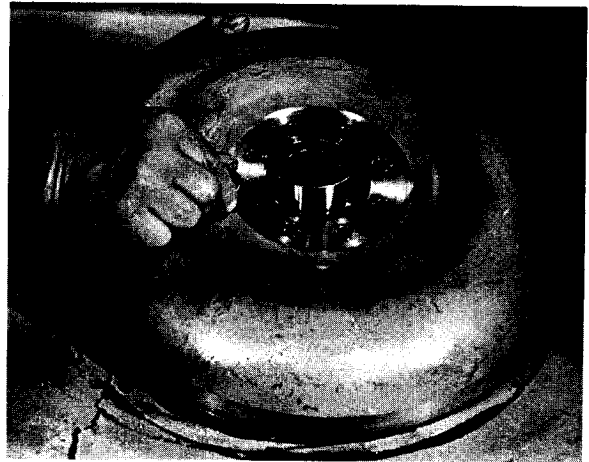
- 7** Remove bolts holding impeller and drive discs together. Install three puller bolts and tighten evenly.



- 8** Remove bearing with bearing puller.



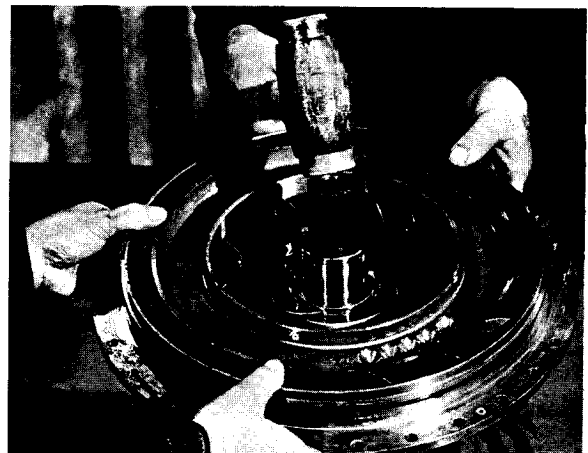
- 9** Remove snap ring, then raise turbine.



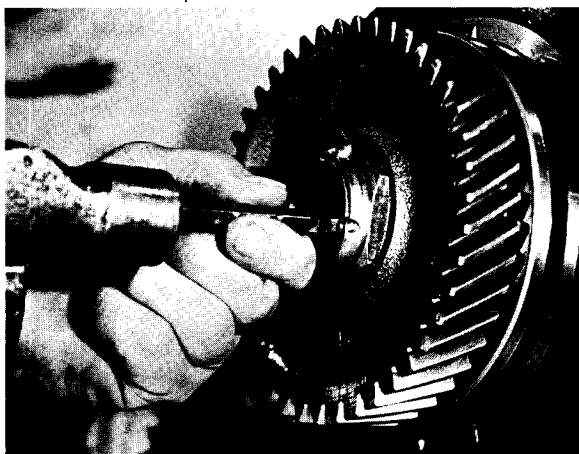
- 10** Remove lockwires and cap screws to drop hub.



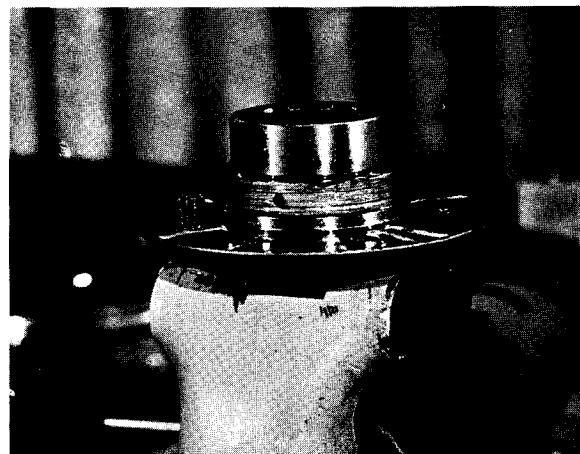
- 11** Remove snap ring and thrust washer. Raise reaction member.



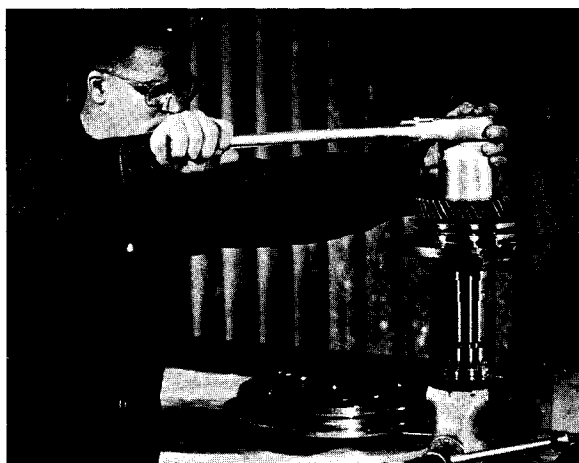
- 12** Tap lightly after removing thrust washer and snap ring.



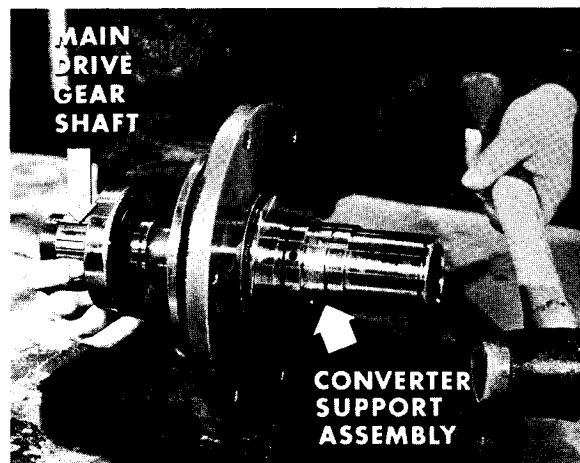
**13** Clean up indentations to remove nut.



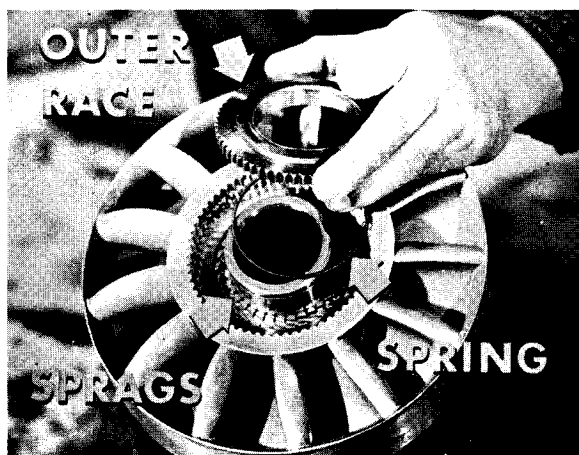
**14** Use cap screws to prevent rotation of hub in vise.



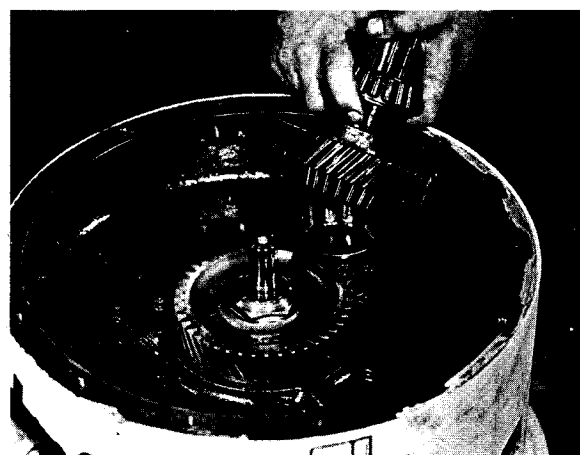
**15** Insert splined shaft in converter hub and remove nut.



**16** Tap lightly to drive gear shaft back.



**17** Remove end plate and bushing. Replace sprags if necessary. If hub is damaged replace complete stator with hub.



**18** Removing output shaft and bearings.

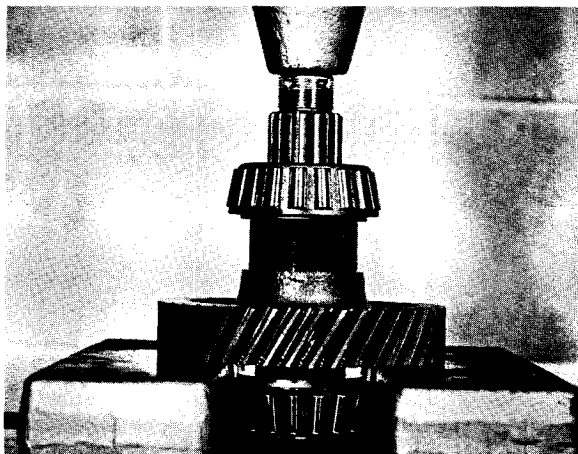
# TORQUE CONVERTERS

## Shop Manual

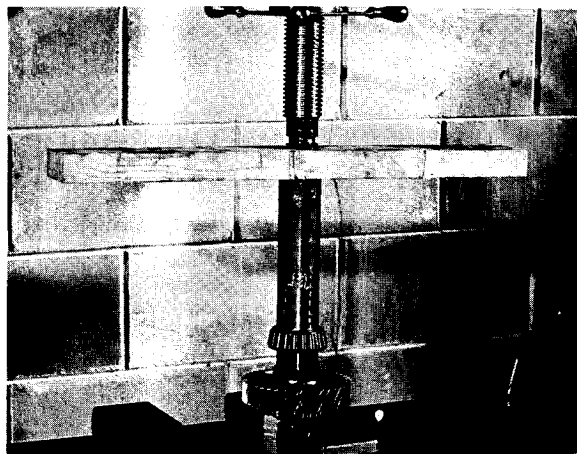
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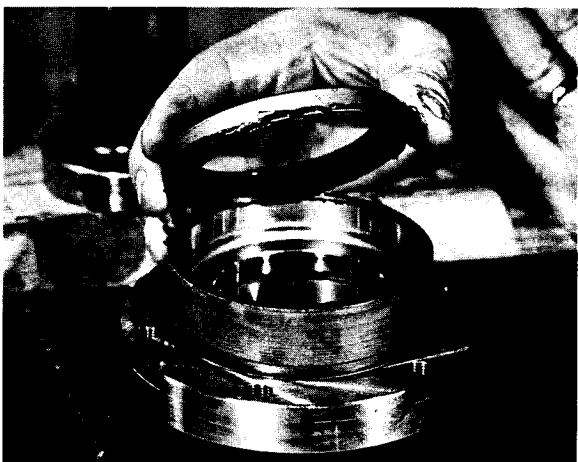
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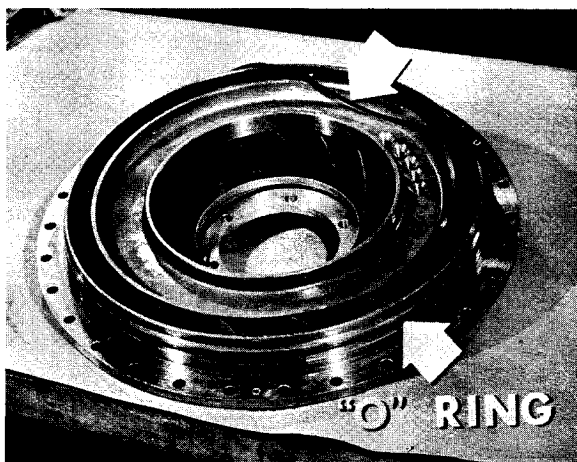
19 Use press to disassemble.



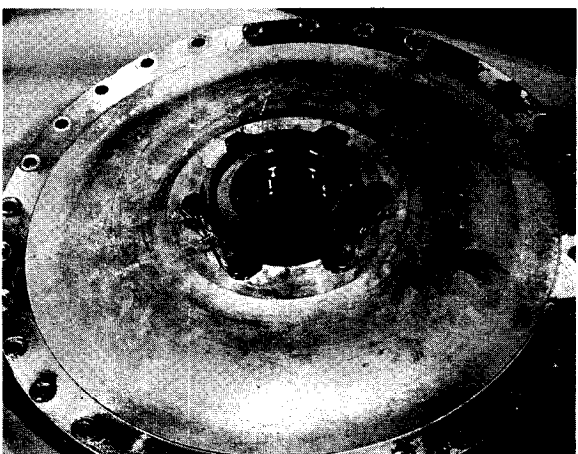
20 Reassemble, using pipe to protect shaft and bearing.



21 Coat new seal with permatex. Install with lip of seal in.



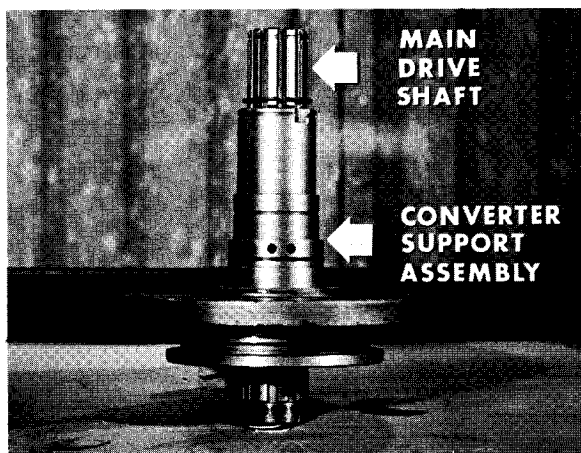
22 Install new "O" ring. Do not twist. Lubricate with transmission fluid.



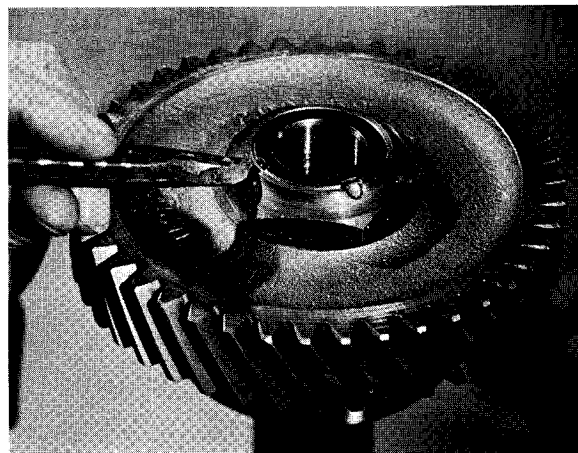
23 Replace cap screws with permatex applied.



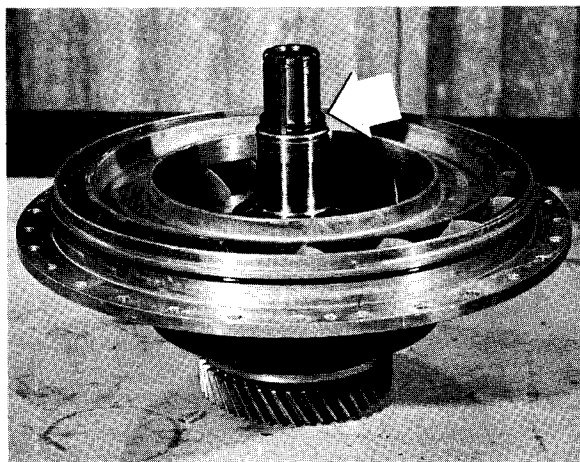
24 Check and clean bearing.



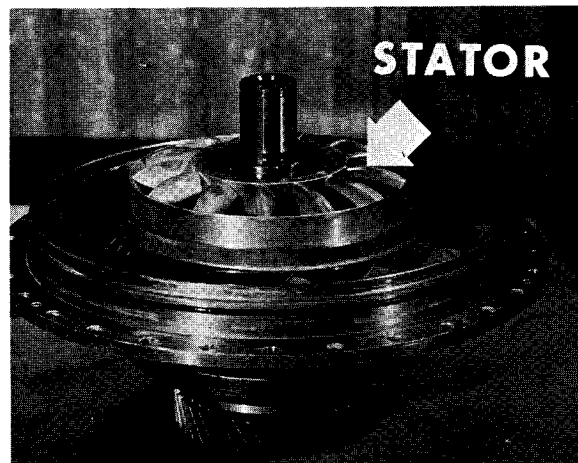
- 25** Install steel oil ring, drive gear retaining ring, and insert shaft through support.



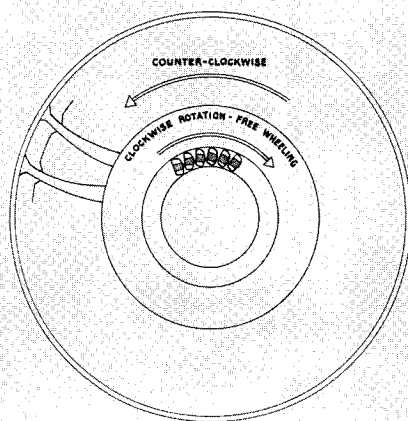
- 26** Using a new nut, on Model 75 tighten to 200 lbs. torque (300 lbs. torque on all other models) and mark nut.



- 27** Place impeller over support and locate snap ring.



- 28** First, place end plate thrust washer. Install stator with SHARP EDGES down.



- 29** Stator turns in clockwise rotation only.



- 30** Install sprags one at a time, laying the groove over spring.



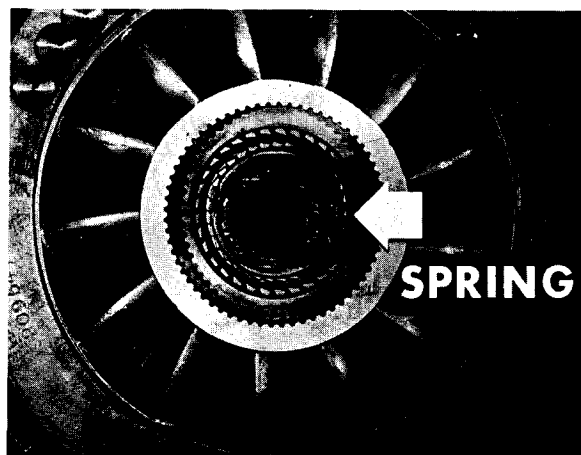
# TORQUE CONVERTERS

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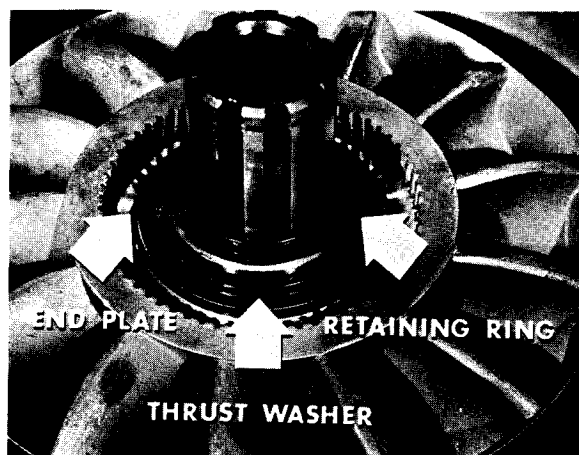
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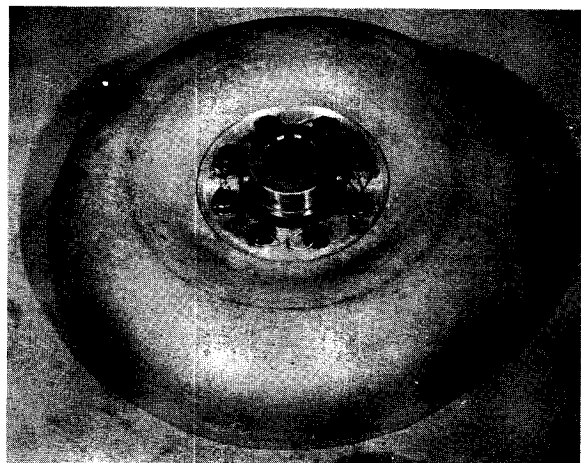
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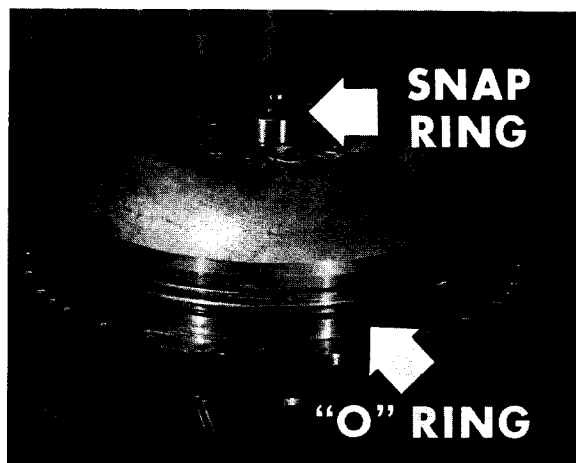
- 31** Put second spring in the top set of grooves.



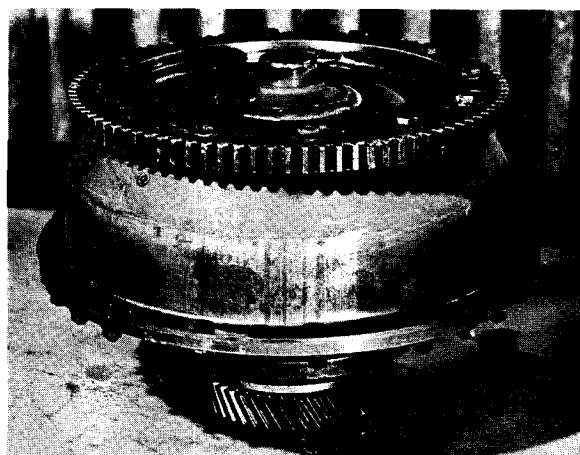
- 32** Lubricate with transmission fluid. Insert end plate with flat surface against spring and sprags. Locate thrust washer with bronze face against end plate. Secure with retaining ring.



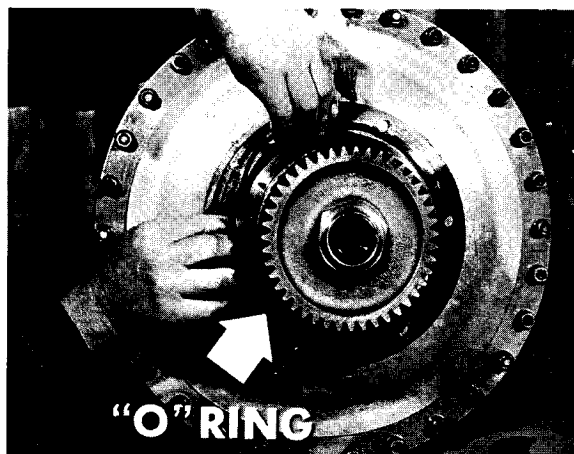
- 33** Install cap screws and torque to 50 ft. lbs. Fit lockwires.



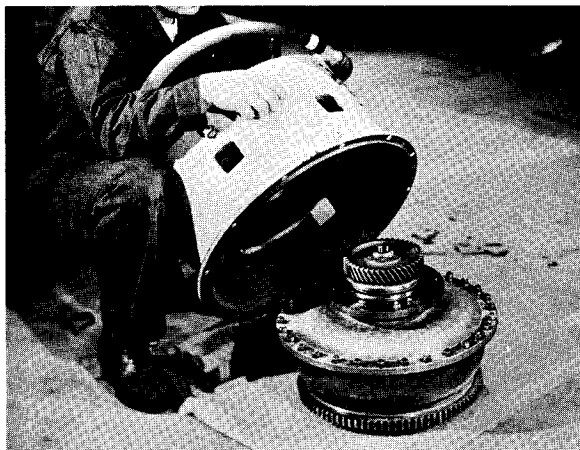
- 34** Carefully position the turbine and turbine hub on the shaft, and secure with a snap ring.



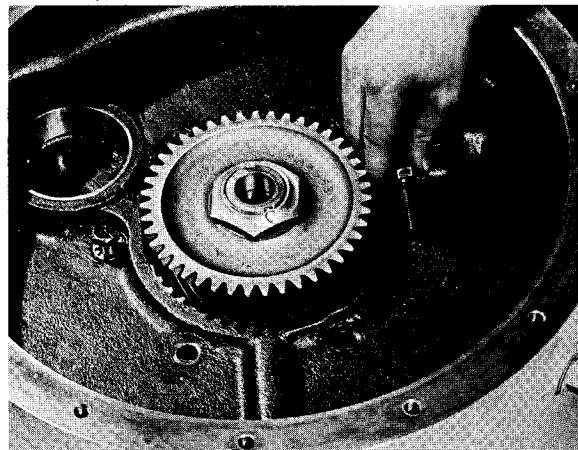
- 35** Do not damage "O" ring. Fasten bolts to 30 ft. lbs. torque.



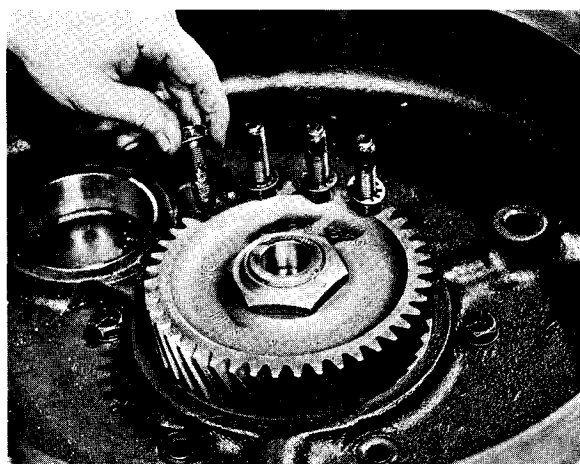
- 36** Carefully install the sealing ring in the rear face of the converter support and lubricate with transmission fluid.



**37** Place housing, watching sealing ring.



**38** Tighten two bolts securely, without permatex.



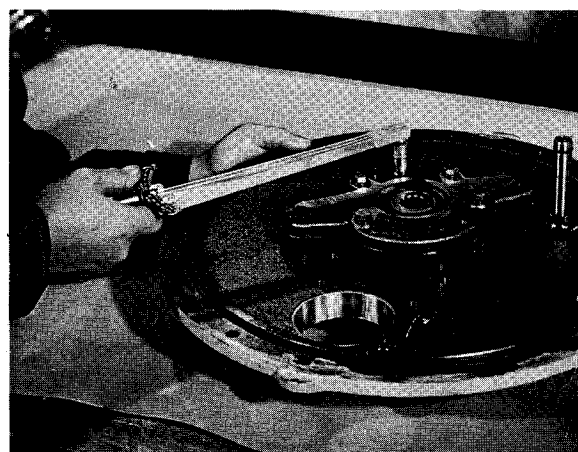
**39** Install remaining four WITH permatex. After these are tight, remove two without permatex and coat and reinstall.



**40** Install new steel oil ring. Insert shaft with ring up. Press bearing race in position with tapered side out.



**41** If oil pump is questionable, install new pump. Always replace "O" rings and gaskets.



**42** Tighten bolts to 25 ft. lbs. torque.

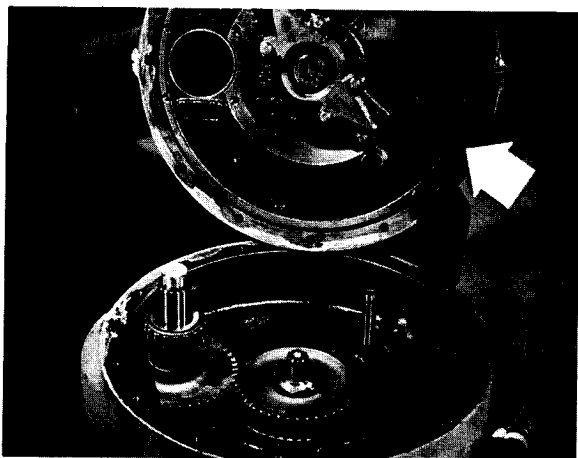
# TORQUE CONVERTERS

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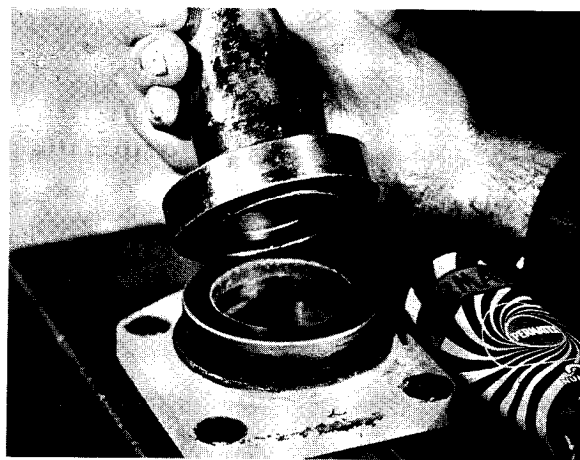
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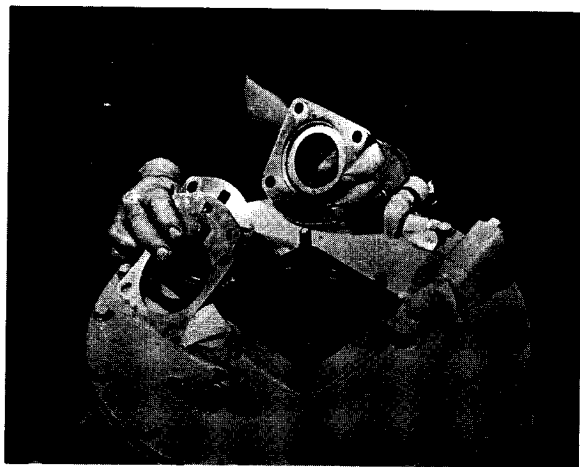
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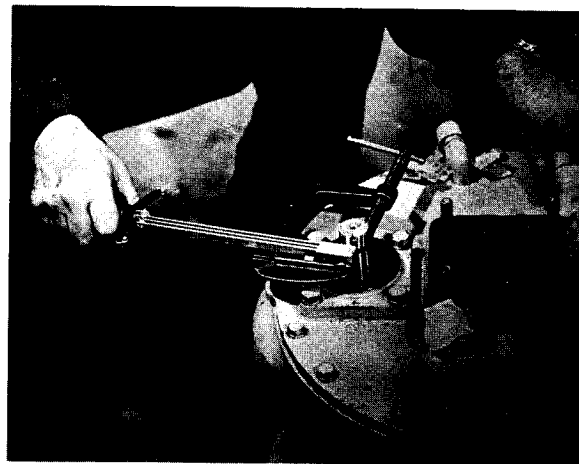
**43** Locate new sealing ring in groove.



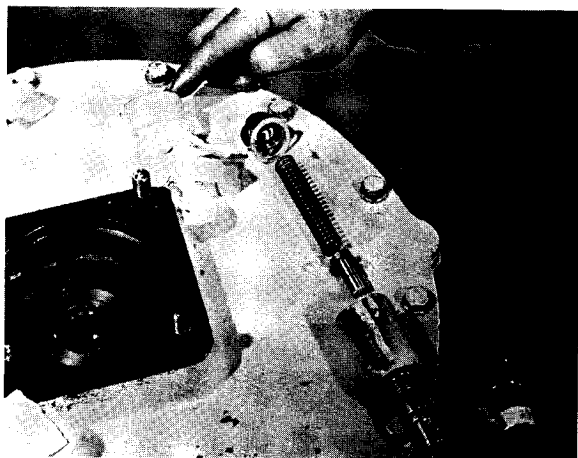
**44** Replace seal, coat with permatex.



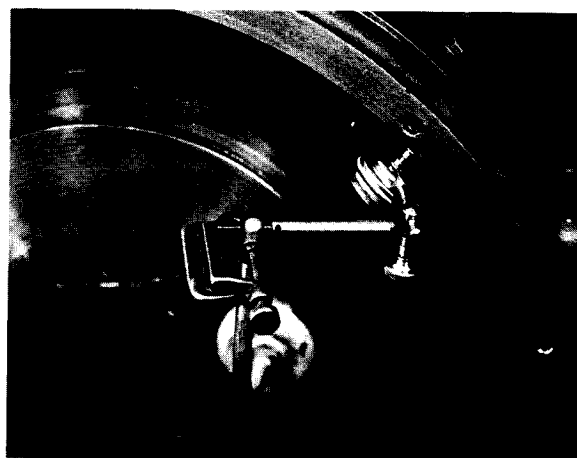
**45** Install shims under bearing for proper preload.



**46** Adjust to torque of 10 to 13 inch lbs.

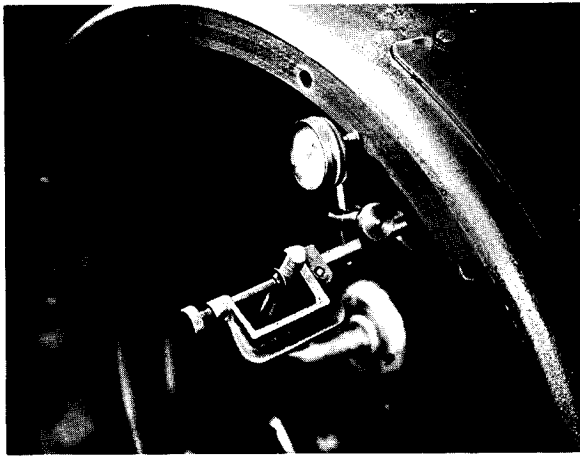


**47** If plunger of regulating valve is worn, replace.

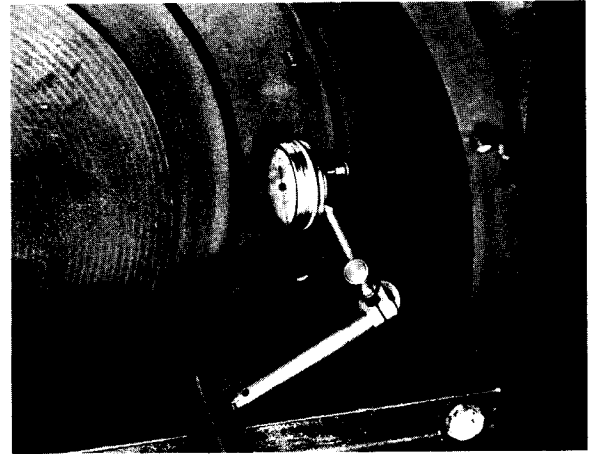


**48** Whenever disturbing bolt-up between converter and engine, recheck flywheel housing bore. Runout should not exceed .008.

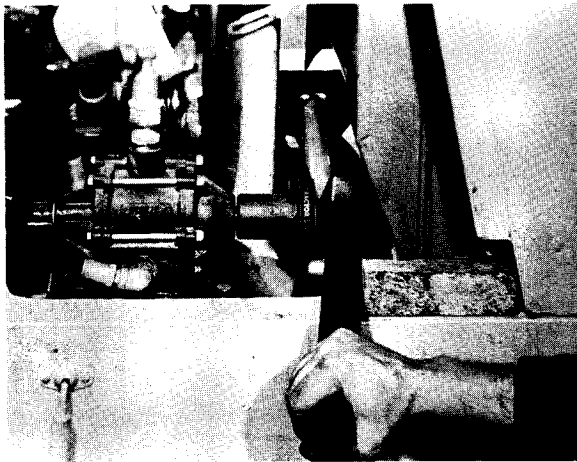




- 49** Check face of flywheel housing with flywheel. When doing this be sure crankshaft is forward. Minimum end play on shaft is .005. Don't turn engine with a bar.



- 50** Check runout in bore of flywheel.



- 51** Check end play of assembled converter and engine. Check end play with indicator and use of a bar. Min. .005, Max. .013.