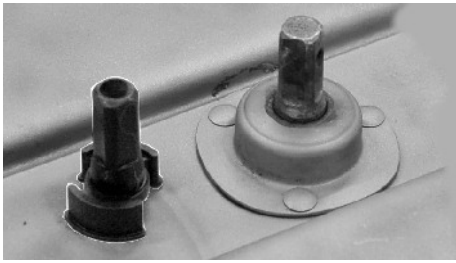
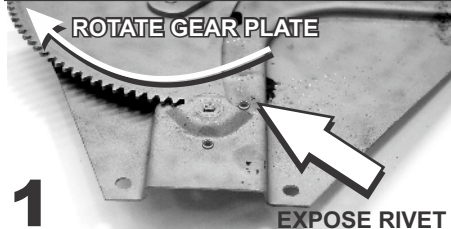


21A-7923205-S 1941-48 Ford & Mercury station wagon window regulator crank shaft



On the left is the new DC window regulator crank shaft. Replacing the shaft requires drilling out the rivets that hold the crank shaft retainer to the regulator mechanism. A # 27 drill is used.

CAUTION: The regulator crank shaft is bound by a tension spring. Proceed with caution when removing the retainer.



To access to 2 of the 3 rivets that secure the retainer, the gear plate must be fully rotated to the end of it's cycle to expose the rivets.



Using a #27 bit, drill out the exposed rivet that holds the retainer to the regulator mechanism. Move the gear plate to the opposite end of it's cycle to expose the 2nd rivet and drill it out. Finally remove the 3rd rivet.



Remove the old crank from the regulator.



In this case the original crank shaft was broken and needed replacement. Notice the spring inside the retainer which engages with the crank shaft. The spring's tension assists the cranking operation. Clean the retainer and spring with degreasing solvent before reassembling.



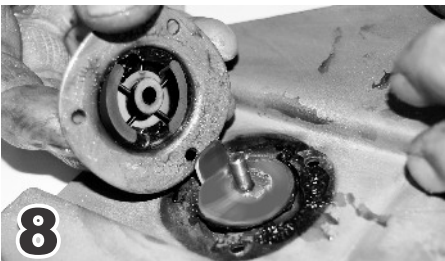
After cleaning, place the circular spring back into the retainer and install the new window regulator crank shaft. There are two tangs on the spring that must engage with the similar size slot on the crank shaft.



Apply grease to the assembly . . .



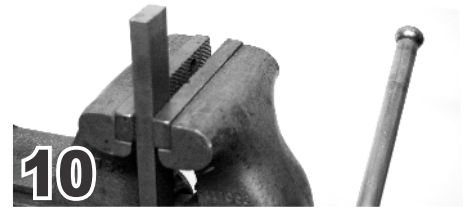
While the crank assembly apart now is a good time to clean, inspect and grease the small gear that engages the large gear plate.



Reposition the crank shaft / retainer assembly on to the window regulator. Make sure that the tab on the gear assembly in the regulator aligns with the slot on the crank shaft.



With the crank shaft pointing upward, insert a rivet into one of the holes. Putting a dab on grease on the rivet will hold it in place when the regulator assembly is turned over to flatten the rivet.



For our purpose we created an anvil by clamping a bar of steel into a vice. We'll use this to strike against to flatten the rivets that secure the window crank retainer to the regulator.



Now's when you need an extra pair of hands. Have a helper hold the regulator over the anvil. With a hammer and a rounded center punch tap and flare the rivet first then use a blunt ended center punch to flatten the rivet completely. Proceed and install the remaining 2 rivets in the same manner.



This view shows the window crank retainer secured to the window regulator assembly with the flattened rivets.



Attach the window crank handle to the shaft by inserting the roll pin.



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