



# THE MODEL T FORD

## ITS REPAIR, SERVICE, & RESTORATION

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### Tips for Removing Rear Axle Bearing Sleeves

Removing the worn Hyatt roller bearing sleeves can be a chore, but with a few hints, you can do it easily.

Obtain the Hyatt bearing sleeve puller tool from your favorite supplier. Extra torque is needed for stubborn sleeves, so enlarging the puller tool cross hole allows the use of a beefier bar or rod to provide extra leverage. In the picture below, I drilled this puller cross hole oversize to fit a heavy U-joint tool for best grip.



Take care to clean out old grease and use lots of penetrating oil, too. Clean the grease cup hole, as the puller tool spring 'button' needs to engage in that hole.



Clean the 'V' slit in the sleeve and look at it carefully. When using the puller, that slit needs to collapse to remove the sleeve. Turn in the direction of the red arrow in the picture below, twisting the sleeve while pulling. The narrow 'V' will then twist into the larger 'V' to shrink the sleeve for removal.



To remove the sleeve, engage the puller button in the sleeve grease hole, then twist the sleeve completely in the correct direction to allow the sleeve's raised dimple to release from its retaining hole at the outer axle housing end. Continue to twist and pull, or tap firmly with a mallet, on the puller bar as the sleeve twists free of the axle housing.



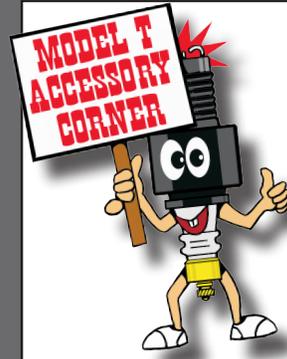
In the axle in the picture below, the original Ford leather and metal petal grease seal was still in place. The picture shows the original (center) and the reproduction leather seal (left); the modern neoprene seal (right) is recommended over the leather as the best type of inner seal. Note: Seals are shown facing out; they are placed with the neck portion over the axle shaft toward the differential.



Below, a new Hyatt sleeve is fitted after the new inner seal is placed. The use of a radiator hose clamp - the gear type - around the sleeve shrinks the diameter to engage the sleeve in the axle tube. Be sure to check 'Left' or 'Right' style sleeves before driving in the sleeve, as the grease hole must align after installation, and the raised dimple on the sleeve must fit in the outer tube hole to lock the sleeve in place.



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Aftermarket accessories from the past, often found on the Ford. Many thousands of inventive products were sold to dealers and owners to upgrade, customize, or improve over the factory parts...in most cases not so much!

By Dan Treace, Technical Editor

## Auto License Plate Holder

A spring-loaded clip holds the license plate firmly to the bracket with no tools required.



HERE I AM AT LAST  
AUTOMOBILE LICENSE TAG FASTENERS

A real time-saving device!  
Cannot lose number plates  
from bracket, when held by  
this spring key. Requires no  
screw-drivers, pliers, nuts,  
bolts or washers. Just what  
all automobile dealers and  
owners have been looking for.

Manufactured by  
J. F. Parker & Co., 486 Chestnut St., Gardner, Mass.

such as oak or elm. It will be noticed that the lever of this jack is pivoted at an unequal distance from the two ends, of the upright piece. This is so that it can be used, in one position, for the front axle, and, when reversed, is of the proper height for raising the rear axle.

fit over the head of the bracket. Bend this clip at right angles, near the head of the bracket, so that the other end of the clip will support the rod. After the rod is bent, see that pet-cock is closed when the handle of the rod point down.

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