

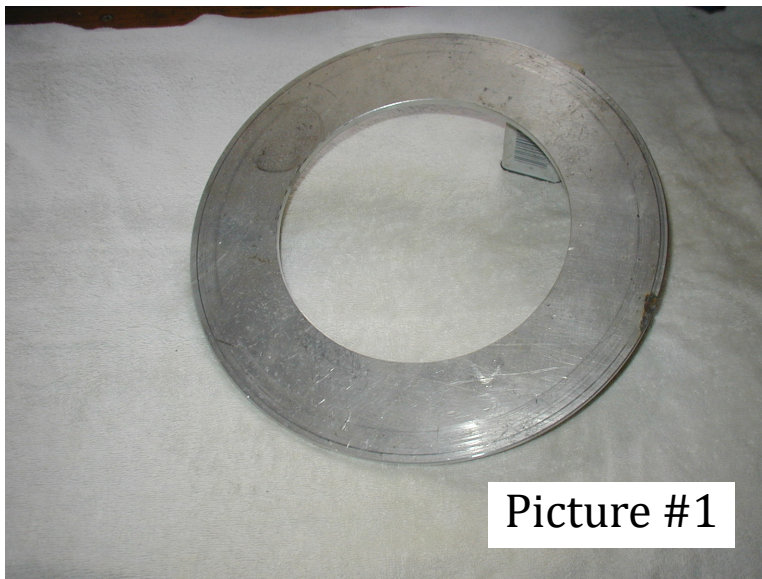


## **Les King/Fredericksburg Shops Turntable Single Bolt Base Plate Modification Instructions (Willits Modification)**

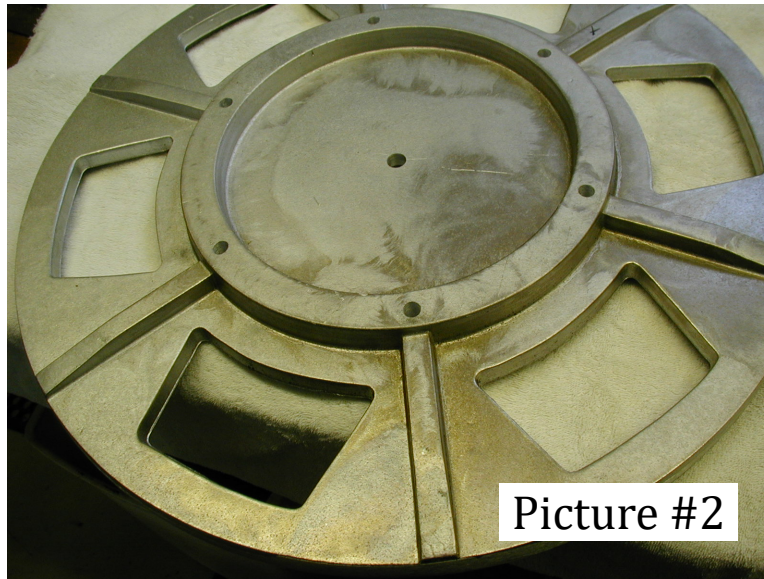
The after market turntable by Les King/Fredericksburg Shops is a good alternative to the hard to find and expensive Fairmont turntable. However there is one weak point on the early design turntable. That problem is in the area of attachment of the foot to the bottom of the shaft plate.

The problem is the single point attachment of the foot. If the bolt in the center of the foot is too tight the foot won't turn. If it is too loose the foot wobbles and allows the car to tip while it is in the up position. If the set screw that holds the center bolt becomes loose, the entire foot can fall off, or worse yet, fail while the car is being turned.

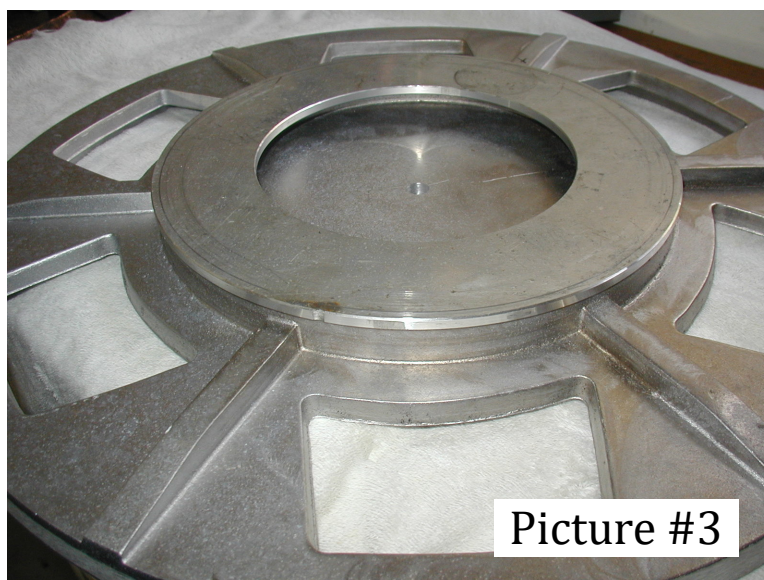
The solution is a plate made from  $\frac{1}{4}$ " aluminum or steel plate. It is a disc that has a hole in the center of it. The part has an outside diameter of 11.5" and an inside diameter of 7". (picture #1)



Remove the foot and drill six 3/8" holes. The holes are positioned around the ridge on the top of the foot and aligned with the 6 ribs. (picture #2)

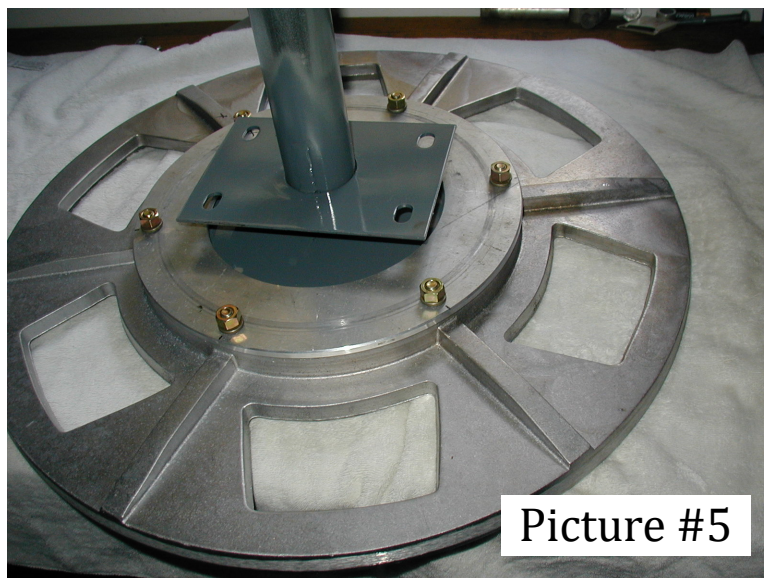
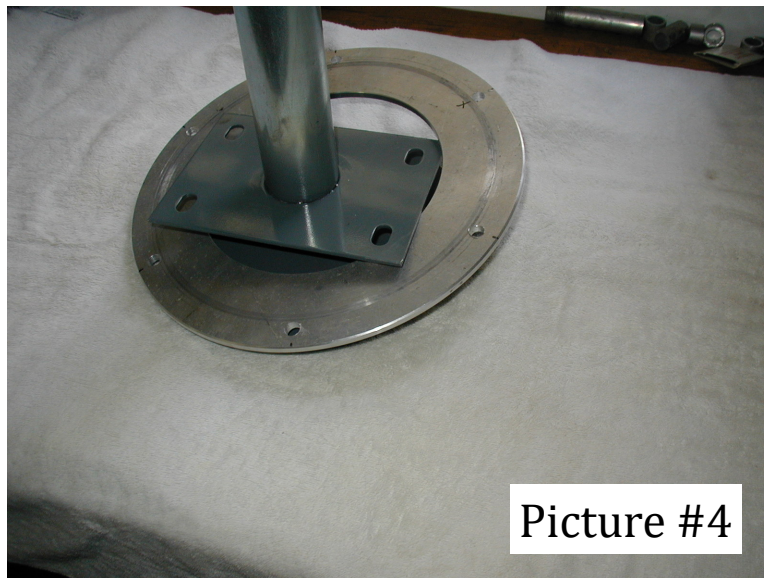


Center the new disc on top of the foot. (picture #3) Next turn the foot and disc over while keeping the two parts aligned. Mark the holes in the foot onto the disc, then drill the disc in those six places. Before moving the disc mark it and the foot so it can be put back in the same position. This needs to be done because there are six positions it can be placed in and if the disc is flipped over there are a total of 12 positions. The ribs are not evenly spaced, so only one position is correct. Center punch one of the ribs near the disc and put a corresponding center punch on the disc. Later the disc and foot can be washed, or even painted yet still be put back in the correct position.

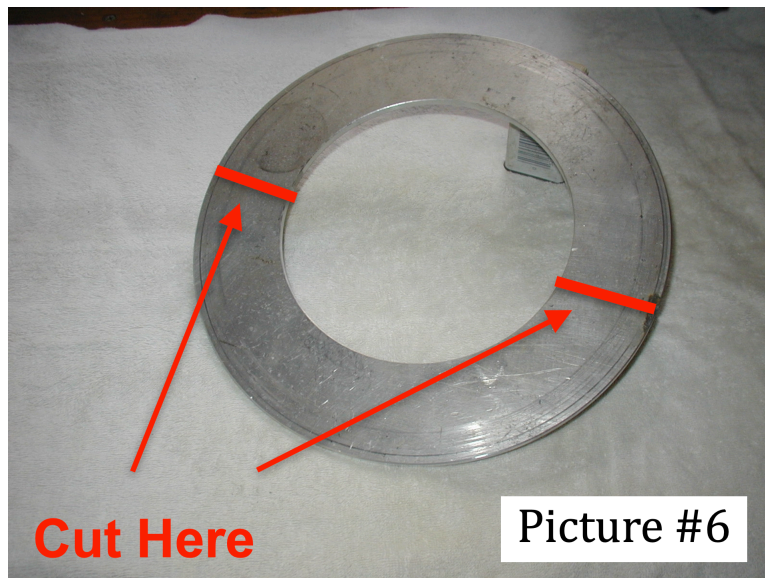


For installation on turntables removed from the car, remove turntable assembly.(For installations without removing turntable from the car, refer to Photo #6 and description on Page 4.) Put the disc over the turntable motor if still attached and down over the lower attachment plate. (picture #4 & 5) Now put the motor and shaft assembly back in the car. Next place the foot, with Teflon disc (supplied with the turntable kit) in the center of it, under the car. Then bolt the foot to the bottom of the turntable using 6 nuts, lock washers and 3/8" by 2 1/4" bolts.

The changes makes the following improvement: Replaces one bolt with 6. Allows those bolts to be fastened down tight and use lock washers on them so they can't come loose. Centers the bolts out around the center of the foot center so they have a better holding position.



For installations without removing the turntable from the car, or disassembling the turntable, cut plate in half as shown. (Picture #6) Be sure have holes pre-drilled in plate before cutting plate in two. Then slip plates in place and bolt in.



***WCRG thanks the original author, Rod Whitney, for his permission to reprint excerpts and photos from his original article.***