



## Diversified Metal Fabricators Instructions for Installing and Adjusting NSH-04 Shoe Nut 500119 for RW-1013

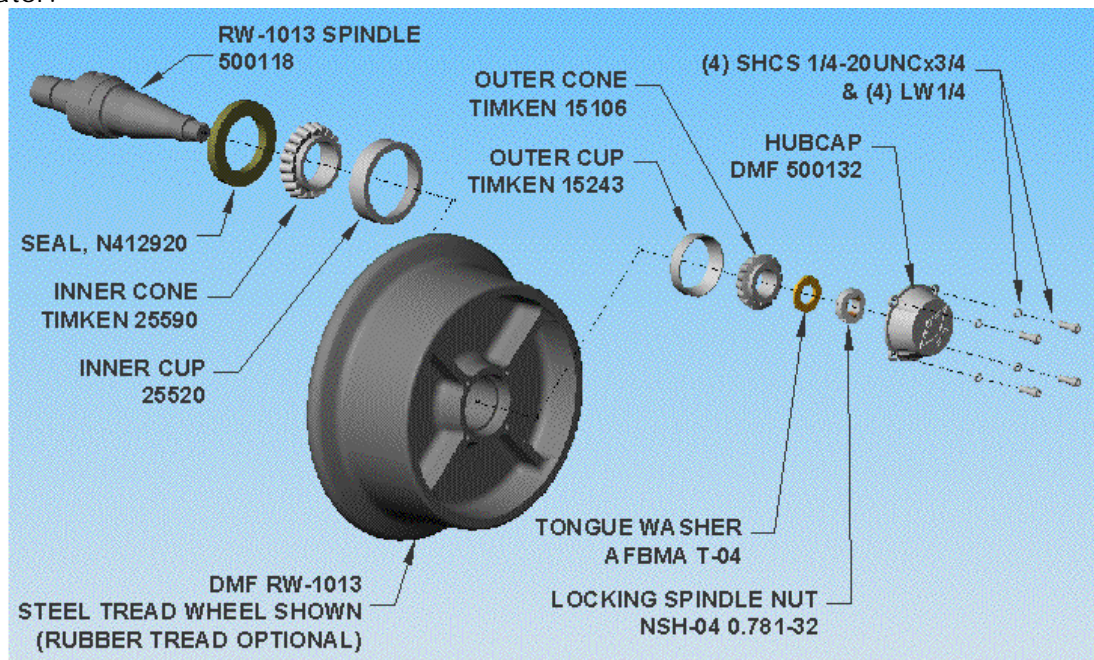
ALL RAIL WHEELS SHOULD BE INSPECTED BEFORE RAIL USE. Any excessive noise, roughness, looseness, or binding should be investigated.

If any of the above conditions are noticed, the hubcap should be removed and the condition of the bearings, bearing grease and spindle hardware inspected. Any worn hardware should be replaced. The spindle nut and setscrew should be inspected prior to reuse. The bearings should be repacked and re-adjusted. Replacement spindle nuts can be obtained by contacting DMF as given below.

The bearing adjustment procedure is as follows:

1. Assemble components as shown in attached assembly drawing.
2. Tighten spindle nut to approximately 25-50 ft-lbs
3. Rotate wheel one full turn in each direction
4. Loosen spindle nut
5. Tighten spindle nut by hand while turning wheel until snug.
6. Back off spindle nut  $\frac{1}{4}$  turn and ensure that the brass shoes are clear of the keyway. (1/4 turn should give the recommended 0.005" to 0.010" of endplay)
7. Tighten set screws progressively to 20-35 in-lbs.

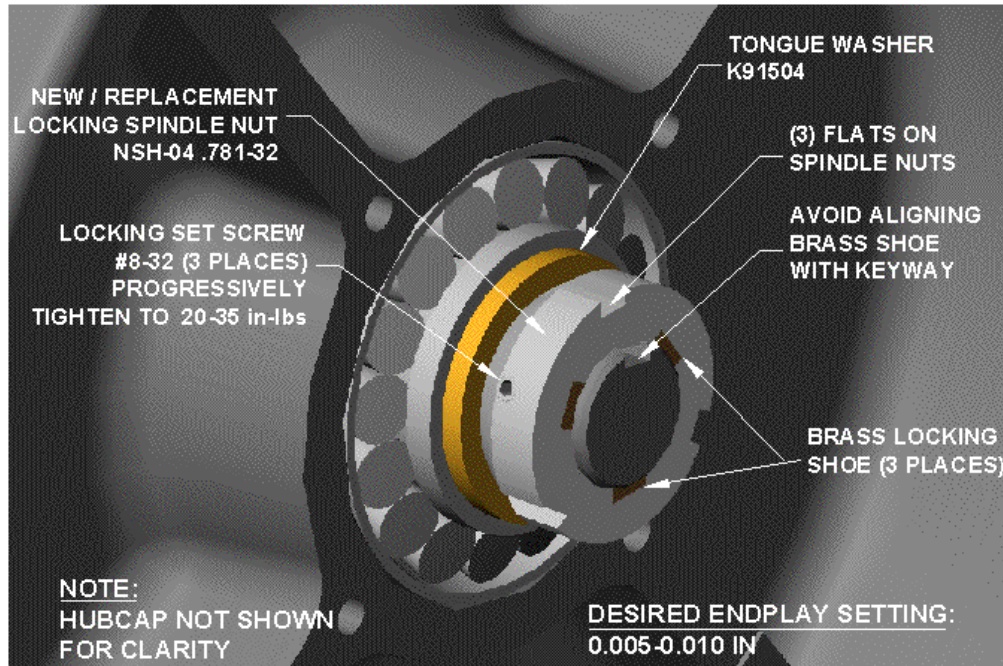
This procedure will reliably produce endplay in the desired range if it is frequently checked against an indicator measurement. DMF recommends that endplay be checked with a dial indicator.



Exploded Assembly: RW-1013 Rail Wheel



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Bearing Hardware and Adjustment Details: RW-1013 Rail Wheel

DMF will replace defective parts under DMF's warranty terms. DMF will not cover parts that have been subjected to gross overloading or blatant abuse. DMF may require the return of affected parts to determine coverage.

### Diversified Metal Fabricators

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