1. With the locomotive in operation, slowly move the engine until the right hand side eccentric crank is in the position shown in the illustration. The crank should be in the horizontal position with the arm pointing to the front of the locomotive.

2. Using a straight blade screwdriver, remove the eccentric crank screw and remove the eccentric crank from the drive rod and then side rod. Remove the eccentric crank sleeve from the eccentric crank and remove the spacer washer.

3. Using the nut driver included with your J3A Scale Hudson, remove the side rod screw from the rear drive wheel.

4. Using a Phillips screwdriver, remove the center drive wheel mounting screw and remove the center drive wheel.

5. Remove the traction tire from the center drive wheel and install a new traction tire. Make sure that the traction tire is properly seated in the groove around the wheel.

6. Reinstall the center drive wheel by reversing the above procedure. The center drive wheel has a “D” shaped recess on the back, which aligns with a corresponding “D” shaped protrusion on the axle. Make sure that the center drive wheel is seated properly on the axle before inserting the mounting screw. Then install the eccentric crank sleeve onto the eccentric crank and place the spacer washer between the drive rod and the side rod.

7. Reinstall the eccentric crank, making sure that it is in the exact same position as when it was removed.

**NOTE:** Improper positioning of the eccentric crank can cause the locomotive to bind or cause damage to the side rods.

8. Repeat this procedure to replace the traction tire on the left hand side.