

Series 1000 and 1500

36. STEERING ADJUSTMENT / ALIGNMENT

IMPORTANT: The front tires will have a “TOE-IN” between $1/16$ ” and $5/16$ ” to allow the unit to track properly.

- 36.1. Check the tire pressure in the front tires and make certain that they are at approximately 14 PSI.
- 36.2. Place the unit on level ground.
- 36.3. Place the steering wheel in the straight forward position.
- 36.4. Lower the deck lift lever to the lowest position.
- 36.5. Line up the centering hole in the steering gear with the centering hole in the support plate, and insert a $1/4$ ” Phillips screw driver up through both. See Figure 36.5.



Figure 36.5

- 36.6. In front of the axle, measure the distance horizontally from the inside of the left rim to the inside of the right rim. See Figure 36.6.



Figure 36.6

- 36.7. From behind the axle, measure the distance horizontally from the inside of the left rim to the inside of the right rim.
- 36.8. The measurement taken in front of the axle should be between $1/16$ ” and $5/16$ ” less than the measurement taken behind the axle. If not, perform the following steps:
- 36.9. Loosen the jam nut at the rear of the right ball joint that secures the ball joint to the drag link using a $1/2$ ” wrench and an $11/16$ ” wrench. See Figure 36.9.

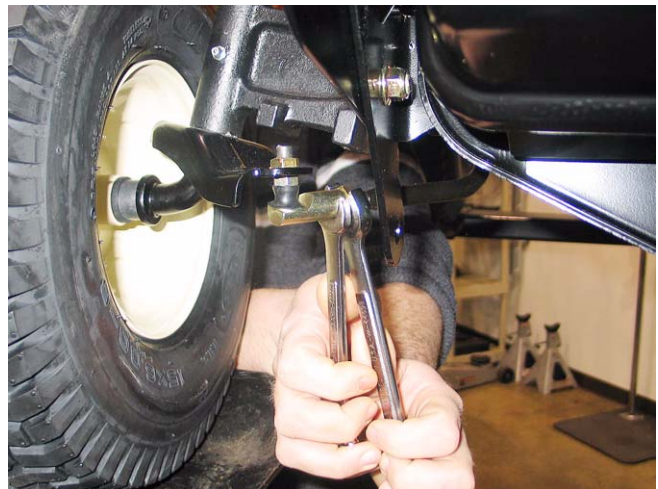


Figure 36.9

- 36.10. Remove the hex nut and lock washer that secures the right ball joint to the right axle assembly using a $1/2$ ” wrench and a $9/16$ ” wrench.

36.11. Remove the right hand ball joint from the right hand drag link. See Figure 36.11.



Figure 36.11

36.12. Remove the left hand ball joint performing steps 9, 10 and 11 above.

36.13. Place the left and right tire assemblies in the straight forward position.

36.14. Set the toe-in for the rim assemblies to the straight forward position.

36.15. Thread the right hand ball joint onto the right hand drag link until the mounting hole in the right hand axle assembly lines up with the ball joint.

NOTE: Count the number of turns the ball joint was rotated onto the drag link. This number should be equal for the left side as well.

36.16. Secure the right hand ball joint to the right hand axle assembly with the lock washer and nut removed earlier, using a 1/2" wrench and a 9/16" socket

36.17. Secure the right hand ball joint jam nut to the right hand drag link using a 1/2" wrench and an 11/16" wrench.

36.18. Install the left hand ball joint using steps 15, 16 and 17.

NOTE: Make certain the same amount of rotations are used on the left ball joint as the right ball joint.

37. PIVOT BAR SERVICE

NOTE: On newer units with a one piece hood see section 2 on hood removal, remove the front bumper and skip to section 36.8

37.1. Loosen the plastic wing nuts securing the side panels to the battery hold down bracket and the grille assembly. See Figure 37.1.

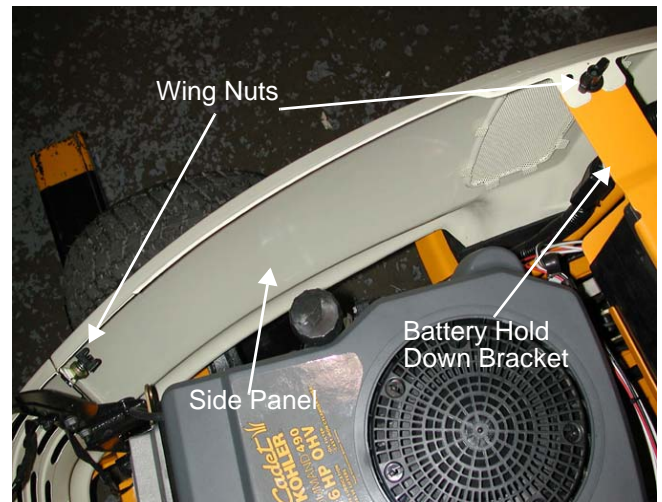


Figure 37.1

37.2. Remove the side panels from the tractor.

37.3. Remove the hairpins, flat washers and clevis pins (or screws) securing the front bumper to the tractor frame. See Figure 37.3.

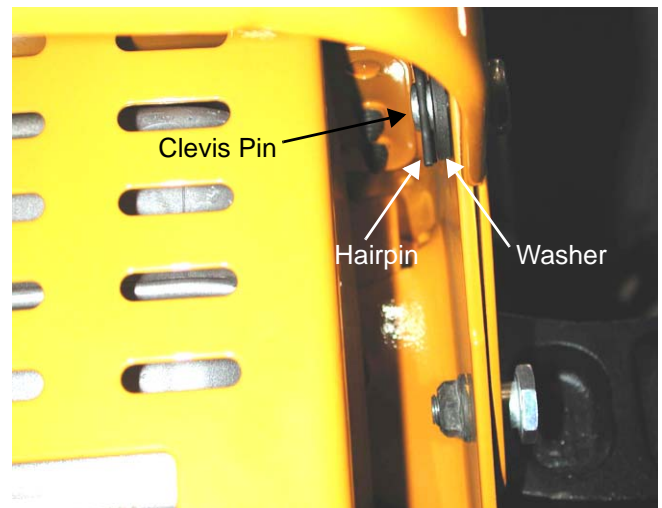


Figure 37.3

37.4. Remove the front bumper.