



Basic Mower Deck Leveling Procedure

Step 1 Before Adjusting Deck

A. Engine RPM

Proper Adjustments to the mower deck and engine RPM are important to achieve optimum mower performance and quality of cut. Customers should be instructed to always mow at full engine speed. The throttle and carburetor should be properly adjusted to provide maximum allowable full engine speed when mowing. Be sure the throttle control is not backing down while the unit is running. Remember, the engine should be running at wide-open throttle (WOT).

B. Ground Speed

Customer should select proper travel speed for mowing conditions and shift to a slower ground speed if necessary to achieve a desired quality of cut. Ground speed should be controlled by the transmission, not the engine.

C. Tire Pressure

Be sure all four tires are properly inflated before making any adjustments to the mower deck. Inflate tires to operating PSI shown on sidewall of tires or in the operator's manual. All adjustments and measurements should be made on level ground.

D. Gauge Wheels

Gauge wheels should be assembled so they are slightly off the ground when mowing. Gauge wheels should not be rolling on the ground continuously when mowing on level ground. Gauge wheels adjusted too low will cause excessive rake and will wear out prematurely.

*******ATTENTION*******
ENSURE THAT THE ENGINE IS OFF AND THE IGNITION KEY HAS BEEN
REMOVED BEFORE PROCEEDING

E. Blade Wear

With engine off and key removed, check blades for excessive wear, especially at the lift wings of the blade. Blades should be straight and have a sharp edge. Replace worn or bent blades in sets, unless they are fairly new. Sharpening is not recommended because of difficulty in achieving a proper balance.

Step 2 Adjusting Deck

A. How to Measure

Two basic adjustments will be done to properly level the mowing deck, side to side and front to back (sometimes called pitch or rake). It is important to make all measurements from the blade tips and that the blade tips are properly positioned when doing this.

When doing the side to side adjustment, the blade tips should be positioned toward the outermost edges of the deck (perpendicular to the tractor). When doing the front to back adjustment, the blade tips should be positioned front to back (parallel to the tractor).

B. Side to Side (Figure A)

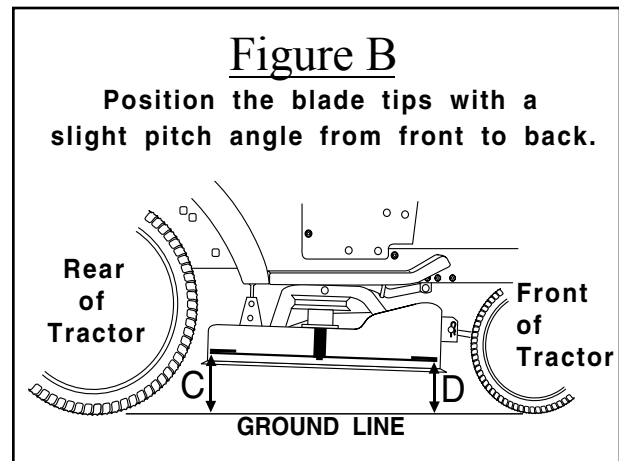
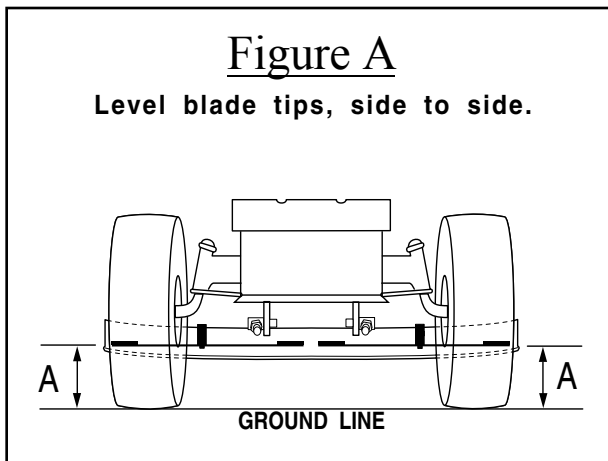
Be sure the front adjustment links are of equal length before doing any adjustment. They should be approximately 10 ½ inches from the center of the suspension pin to the center of the trunnion. Adjust if necessary. Adjust the deck height lever so the deck is cutting at approximately 2 ½ inches. Position the blade tips for the left and right hand blade so that they are positioned to the outermost edges of the deck (perpendicular to tractor). Measure the distance (letter “A”) of the blade tips to the ground for the left and right hand sides using the leveling gauge. The two sides should be equal or no more than 1/8-inch difference.

If there is more than 1/8-inch difference, either lower the higher side or raise the lower side by loosening or tightening the lift link linkage nut for that side. Each full turn of the nut will change the height of that side approximately 1/8-inch.

C. Front to Rear (Figure B)

Deck must be level side to side prior to making this adjustment. Position the deck height lever so that the deck will be cutting at approximately 2 ½ inches. Position the blade tips of the left and right hand blades so that they are positioned front to rear (parallel to the tractor). The distance to the blade tips to the ground at the front of the mower (letter “D”) should be ¼ - 3/8 of an inch lower than the measurement at the rear (letter “C”). If adjustments are needed to obtain the correct pitch, the front adjustment links will have to be adjusted.

To lower the front of the mower, loosen the locking nuts in order to lengthen the rods. To raise the front of the mower, tighten the locking nuts in order to shorten the rods. Always adjust the left and right rod equally so that the side to side adjustment is not affected.



This procedure covers most Husqvarna consumer riding mowers. You may, however, find different style adjustment linkages and deck hangers in use or models where side to side adjustment can only be done on one side. The above guidelines still apply. Please contact your technical service representative for any questions.

Husqvarna Blade Leveling Tool

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