



HINES INDUSTRIES, INC.

240 METTY DRIVE ■ ANN ARBOR, MICHIGAN 48103-9498 ■ PHONE: (734) 769-2300 ■ FAX: (734) 996-9192

Pickup Gap Adjustment

Introduction

The pickup gap determines the position of the coil inside the pickup. The coil position must be set properly for the pickup to generate an accurate unbalance signal. Proper setting also prevents the pickup from being damaged.

Tools and Materials

- feeler gauge (0.030" or 0.8 mm)
- standard SAE hex wrenches
- standard SAE wrenches

Procedure

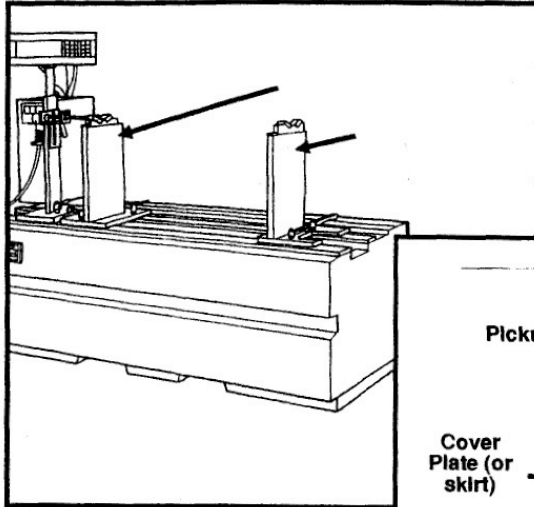
1. Power down the machine and the computer.
2. Remove the front panel from the machine.
3. Locate the pickup in the machine suspension.
4. Loosen the locknut for the pickup pin adjusting bolt.
5. Carefully back off the adjusting bolt one quarter inch (6mm) away from the pickup pin (turn bolt counterclockwise). **DO NOT ADVANCE BOLT.**
6. Insert the 0.030" (0.8 mm) feeler gauge between the pickup pin and adjusting bolt.
7. Using your fingers, gently advance the adjusting bolt (turn clockwise) until the feeler gauge touches the pickup pin.
8. Continue to gently advance the bolt until the pickup pin just reaches the end of its travel inside the pickup housing. **BE CAREFUL NOT TO BEND THE PICKUP PIN OR FORCE THE PIN SO AS TO DAMAGE THE INTERNAL BASE OF THE PICKUP.**
9. Remove the feeler gauge and allow the pickup pin to spring out against the adjusting bolt.
10. While holding the adjusting bolt in place, tighten down the locknut for the adjusting bolt. Do not allow the bolt to move.

DONE

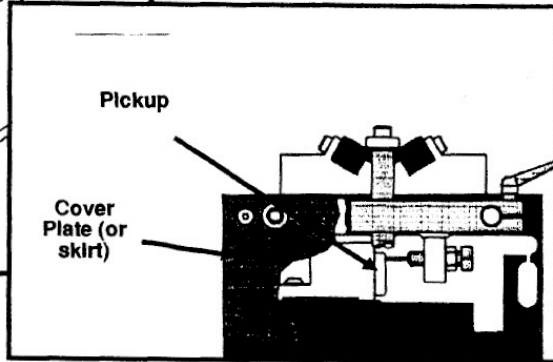


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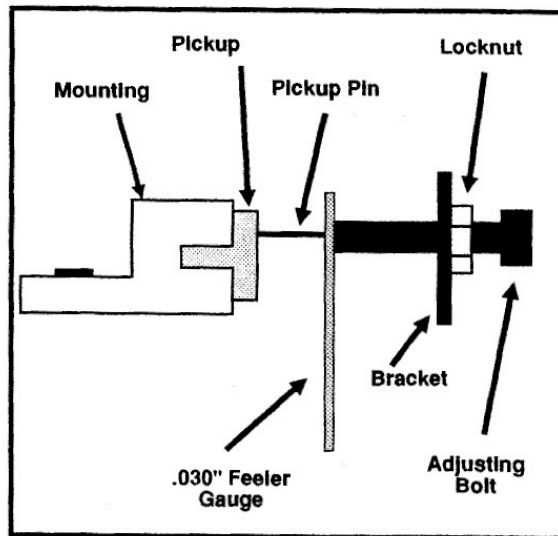
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Location of Pickups in Typical HC Machine



Cut-away of Stanchion Showing Pickup



Graphic of Pickup Gap Adjustment