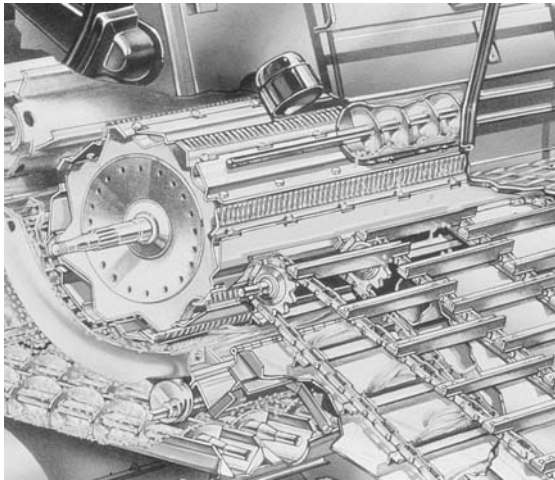


Threshing Area – Walker Combine



The rasp bar cylinder, with open bar concave, receives crop material from the feeder house for threshing, and separates up to 90 percent of the grain from the straw.

When the concave and rasp bars are worn, productivity can be affected in several ways:

- Incomplete threshing
- Grain damage resulting from excessive cylinder speed
- Reduced combine capacity
- Poor feeding
- Excessive power requirements
- Poor grain tank sample
- Cylinder and concave plugging
- Separator grain loss
- Feeder house backfeeding

Rasp Bars



Worn components in the threshing area affect overall combine performance. Rasp bar wear can occur in three areas:

- In the center portion of the rasp bar
- On the leading edge
- The serration height

If the leading edge of the rasp bar is worn away more than 1/8-in., feeding could be reduced in small grains or soybeans, because the rasp bar cannot aggressively grab the material.

Rasp bars with worn serrations will provide poor threshing and require frequent concave adjustment. When the height of the serration is 1/4-in. at the deepest point, the bar should be replaced. In windrowed crops, not uniformly spread over the total width of the threshing system, the rasp bars should be replaced if they are worn more than 1/8-in. below a straight edge.

Whenever a rasp bar is replaced, the mating bar, located 180 degrees on the opposite side of the cylinder, also must be replaced to maintain cylinder balance. Replacement bars are sold in matched sets of right-hand or left-hand patterns. When wear on the rasp bar occurs, it is recommended to replace all of the bars on the cylinder. The specified 10-mm bolts must be used in the pre-threaded holes of these rasp bars.

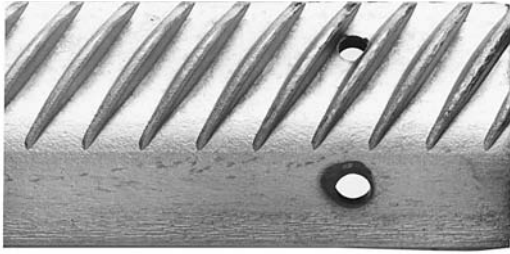
Extensive John Deere field testing and studies have shown that the type of rasp bar used can have a significant effect on grain quality.

Hardened and Non-Chromed (Black) Rasp Bar



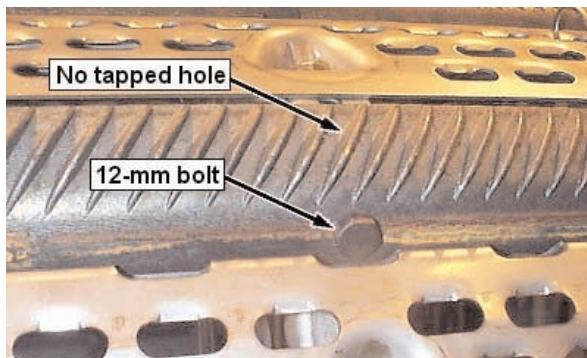
This serrated rasp bar has a gently contoured surface design that wears to an even, smooth profile after only 50 to 100 hours of use. This rasp bar is recommended for use in harvesting corn, popcorn, soybeans, malting barley, edible beans, or any seed crop where high quality grain is demanded.

Hardened and Chromed Rasp Bar



The chrome overlay of this rasp bar provides twice the wear life of the non-chromed rasp bar. The chromed rasp bar also features a smooth, contoured profile design, but new, sharp surface edges won't wear off as rapidly as on the non-chromed rasp bar. As a result, this rasp bar is not recommended for use in high-moisture corn or soybeans, or any crop where the highest quality grain is the main consideration. However, this rasp bar is ideally suited for general use in all crops where long-lasting, efficient threshing performance is the primary concern.

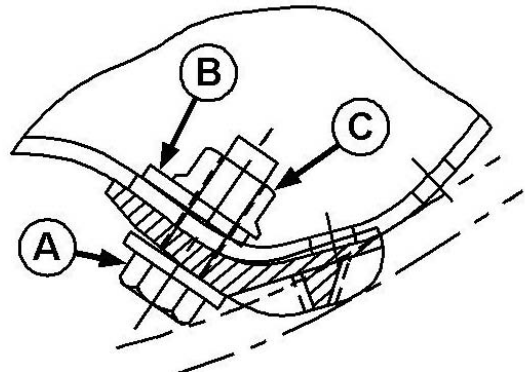
Single-Bolt Rasp Bar



Rasp bars with a single-bolt design are now standard from John Deere. These rasp bars mount to each cylinder head with a single bolt.

- Single 12-mm bolt mounting to cylinder head
- Easier installation
- Equal performance
- Proven design

A hardware kit (AH205781) is also available for installation of the new rasp bars. This kit contains the proper 12-mm bolt (A), off-center washer (B), and flange nut (C) for installing the single-bolt rasp bars.



Note: When installing the hardware, it is important to make sure the off-center washer (B) is oriented correctly, as shown above.

Applications:

- 9660 CTS and 9660 WTS Combines
- 9650 CTS Combines
- 9450, 9550, 9550SH, and 9650 Combines
- 9410, 9510, 9510 Sidehill, 9610, and CTS II Combines
- 9400, 9500, 9500 Sidehill, 9600, and CTS Combines

Specifications:

IMPORTANT: Do not over-tighten nuts. Tighten to the following specification.

- Rasp bar nut torque
130 N•m (96 lb.ft.)

Part number	Description
AH205117*	Rasp bar (narrow** LH, black)
AH205118*	Rasp bar (narrow** RH, black)
AH205119*	Rasp bar (narrow** LH, chrome)
AH205120*	Rasp bar (narrow** RH, chrome)
AH205122*	Rasp bar (wide*** LH, black)
AH205123*	Rasp bar (wide*** RH, black)
AH205124*	Rasp bar (wide*** LH, chrome)
AH205125*	Rasp bar (wide*** RH, chrome)
AH205781	Hardware kit

* One set of five bars.

Note: Always install in matched sets of five to maintain cylinder balance.

Note:

**Narrow – 9450, 9550, 9550SH, 9650, 9410, 9510, 9510 Sidehill, 9610, CTS II, 9400, 9500, 9500 Sidehill, 9600, and CTS Combines.

***Wide – 9660 CTS, 9660 WTS, and 9650 CTS Combines.