

# **KUCHAR**

## **HIGH PERFORMANCE COMBINE PARTS**



**Do you want  
more  
performance?**

**Want more  
crop for  
more profit?**



- \* Patented components that stand the test of time**
- \* 30+ years of unbeatable service in North America**

*We can improve the performance dramatically with all combines!*

*Whether you run a new or experienced combine,  
we can make it perform!*



“We own a Deere 9750 STS. With Kuchar concaves, we’re getting a much cleaner sample in corn and soybeans. The machine handles tougher conditions better and is able to maintain full capacity. The concaves stay clean and haven’t experienced any trash buildup like there was with the OEM concaves. We’re very satisfied with the Kuchar concaves and the cleaner grain they produce.”

*Sam Ellis  
Quaker Point Farms  
Chrisman, IL*

“We installed Kuchar concaves in our Deere 9750 STS and noticed fewer white caps and a much cleaner sample in our wheat. We used the same concaves for pinto beans, which saved us time and labor not having to change out the OEM wheat concaves for the bean concaves. We only had 1/2% splits this year in the beans compared to 2-3% in previous years. I think part of that improvement came from the new concaves. I’ve had Kuchar parts in three other Deere machines and have always been satisfied with the performance.”

*Bob Landgren  
Wilton, ND*

## PREFACE

The information contained in this book will allow you to enhance your combine through specific adjustments to 125% of its original design. Kuchar specialized high performance combine parts will enable your combine to become a highly efficient piece of equipment. Your combine will perform in any condition and in any problem causing weather. It makes sense to spend a few dollars on Kuchar parts to enhance your costly machine. You will obtain returns many times the value of your investment.

You owe it to yourself to read this book and consider making these improvements to your machine. This will turn it into a well-balanced, high-performance piece of machinery. When you add the kits Kuchar offers for your individual model of combine, your returns will be evidenced in a lower cost per acre performance and in added income to your bottom line.

The Kuchar designs are being incorporated into the new model combines as well as the experienced machines. These patented components will increase productivity as much as 25% or more. This will ultimately pay significant dividends to the owner-operator by increasing over-all efficiency. You will be better able to finish your crops in the small window of harvest time we are given each year. At the end of the day, you will spend less time and leave less grain in each of your fields. Your grain sample will be of higher quality and you will use less fuel harvesting it. This all adds up to more profit.



**KUCHAR COMBINE PERFORMANCE**

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# Tweak combines during the off-season to harvest 99% of crop

By **Cliff Johnson**  
Contributing Editor

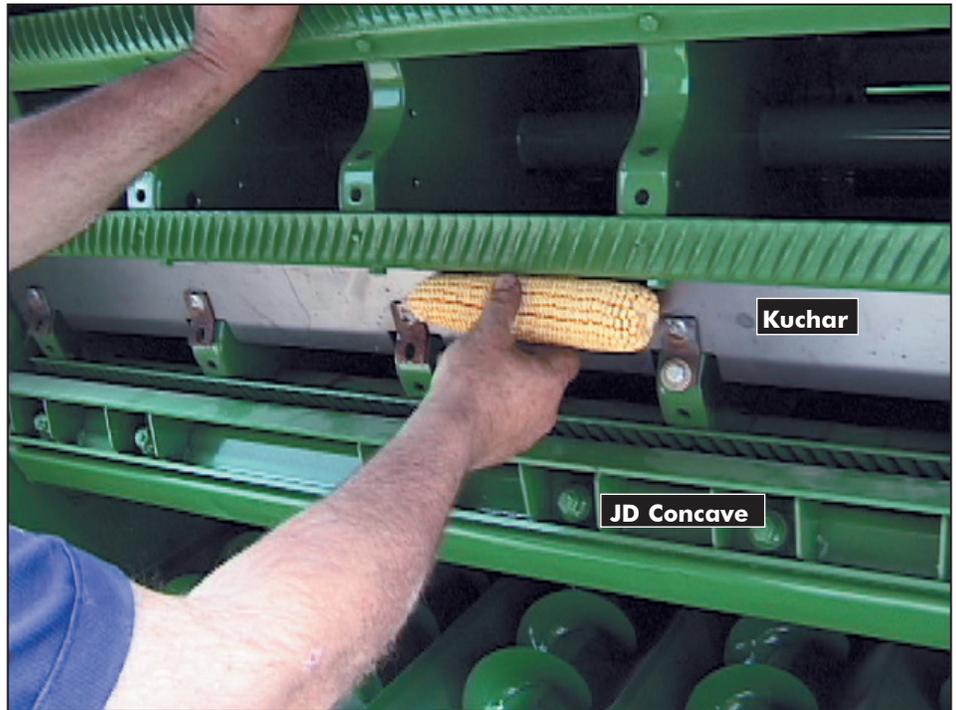
Should a combine right out of the factory be capable of harvesting 99% of your crop?

Many grain growers and other harvesting experts contend that today's combines harvest and deliver to the tank, at best, 75% of the crop. To get every last kernel, bean or grain from the field, these experts say, requires modifying combines with replacement parts designed for specific crop and field conditions.

Combines fail to harvest the whole crop for a variety of reasons. First of all, combines aren't created equal. No two machines are exactly alike, even if they have the same model number. This is because there are differences in machining and assembly, as well as engineering change orders that can be issued in the middle of production runs.

## Unthreshed heads

There is no shortage of mechanical causes of less-than-99% combine efficiency. The leading cause of cracked grain, for example, is a cylinder that runs too fast and too tight. Unthreshed heads can be caused by worn bars or out-of-round cylinder operating the machine at less than full capacity. Additional crop is lost from a dull sickle, poor sickle timing, a reel that's operating too fast, worn



**Specially designed filler plates from Kuchar High-Performance Parts help eliminate vibration by keeping dust out of the cylinder of John Deere 9600 series combines.**

auger flighting or a feeder chain that is backfeeding from cylinder, not pulling in grain, or too high return of clean grain.

Combine efficiency taught that by using the best technology available, losses from unthreshed grain could be reduced to 1/4 bushel or less per 1 acre.

## 5,000-acre operation

A farmer who operates near Monroe City, Indiana, maintains a fleet of three combines to harvest more than 5,000 acres of corn, soybeans and wheat. He purchases a new combine every year and wouldn't think of running the machine in the field without first modifying it for his crops and local conditions. With each new John Deere combine, he installs high-performance, specialized combine parts from George Kuchar of Mt.

Olive, Illinois.

## Harvest more grain

"We use Kuchar parts in our combines to increase the efficiency of these machines by 25% or more over the performance that would be possible without modifications," he says. His goals are to harvest more grain by driving at higher speeds and getting the crop through the combine faster, with less loss.

"We want to harvest the crop as fast as humanly possible because, in any harvest season, there is only a short window for optimum harvesting. We're always looking for ways to tweak the combine to get another 10% out of it."

Combine efficiency, by his definition, is measured by number of acres and bushels in the bin at

**"...losses from unthreshed grain could be reduced to 1/4 bushel or less per 1 acre."**

the end of a day. A good harvest day in soybeans, he says, is 125 acres of soybeans per combine equipped with a 30 ft. head and operated at an increased speed. A good day in corn, he says, is 15,000 to 20,000 bushels from a combine with a 12-row head operated at an increased speed. In his operation, these efficiencies eliminate the need for a fourth combine and operator – a major cost reduction.

### Better separation

On each of his previous 9860 series John Deere combines, he installed Kuchar parts to increase all aspects of the combine's performance. "Kuchar's equipment improves threshing, and reduces dusting, because of less grinding of the crop. His specialized concave provides better separation with less grain cracking. Modifications to the pre-cleaner and sieve do a better job of separating and cleaning the grain."

Several years ago, he calculated that one of his combines reworked with Kuchar parts was up to 25% more productive. He was running an increased speed in corn, nearly a third faster than standard

**During the past 30+ years, George Kuchar of Mt. Olive, IL has overhauled hundreds of old and new combines to improve harvest efficiency.**



production machines could achieve. But even more important than operating speed, he said his reworked 9860 delivered clean grain, without cracks and kernel damage. He estimates the payout for these modifications at nearly \$50,000 for one year alone.

### Standing offer

Over the past 30+ years, Kuchar has rebuilt hundreds of combines across North America. He is so confident in his parts and his designs that he makes a standing offer to customers:

***He'll do the conversion for free,*** providing the owner gives him the

difference in harvested grain from just one harvest. His only condition: The field check is determined by a weigh wagon in a side-by-side test with an identical combine that does not have Kuchar parts.

It's not difficult to find farmers willing to talk about results they've achieved by tweaking their combines. Here is just a sampling of results from growers using a variety of combines in various crops:

### **Randy Kinzinger Buckley, Illinois John Deere 9600**

"We have a Deere 9600 and have had the Kuchar concave, chaff breakers, grate, air scoops and risers for three seasons. The results have been fantastic. We're getting better threshing, cleaner grain, and the combine runs smoother. We've also turned the engine for maximum horsepower, so the capacity of the machine is greatly improved. Before we installed the Kuchar parts the machine would bog down in tough conditions. Now we can keep going at normal speed without any problems."

Combine efficiency is most critical when the crop being harvested is a value-added commodity where payment hinges on quality.



Gary Caldwell, of Caldwell Brothers, who grows soybeans near Amboy, Minnesota for Monsanto Seeds, is paid based on whole-seed counts. The pricing formula discriminates for cracked seed coat on beans.

### **99.6 whole-seed count**

"We couldn't believe the difference installing just the Kuchar concave in our John Deere 9600 made," Caldwell says. "Our whole-seed counts were usually in the high 80s to low 90s, and the first year we put in the Kuchar concave, our whole-seed count went up to 99.6."

Caldwell said the Kuchar concave also made a difference in corn. "The parts are an all-together different design than what John Deere had in its combine. The Kuchar concave bars are further apart in front and narrower in the back, while the Deere concave bars are tighter in front and wider in the back. The Kuchar concave fits tight to the cylinder where Deere's does not. Kuchar's filler plates in the cylinder allow corncobs to roll, rather than be smashed all the way around the outside. That's where we gained on our cracking; we had virtually no cracks with his concave and filler plates in the cylinder.

### **Really increase capacity**

"I'll grant you, if you set the machine properly and go slow enough, John Deere combines will do an excellent job, but if you want to really increase capacity, all you have to do is add Kuchar performance combine parts, and it will greatly improve your productivity and grain quality."

Caldwell says that Kuchar parts have reduced the constant need to adjust the combine throughout the day. "You can use lower



cylinder speeds, which reduces damage to the grain. I was able to reduce the cylinder speed by 200 rpm's slower than what I was running with the John Deere parts. You'll have way less cracked grain in the tank than you did before. We've harvested corn up to 47% moisture without grinding or breaking kernels in half, and that would be impossible with John Deere original parts running at the same capacity.

### **Paid for kit in one year**

"We didn't think the Kuchar overhaul was going to be worth the money until we used it the first year. With the difference in less cracked grain, better quality grain, and less grain blowing out the back of the combine, we paid for the kit in one year." He adds that harvest from 1,000 acres will pay for the overhaul.

According to George Kuchar, the tougher the harvest conditions, the greater the value that can be realized from his parts. "If it's

16% moisture corn, I can beat the factory combine, but as the moisture increases to the 25-30% level, the difference is extremely noticeable."

### **Saving \$3,750 to \$4,500**

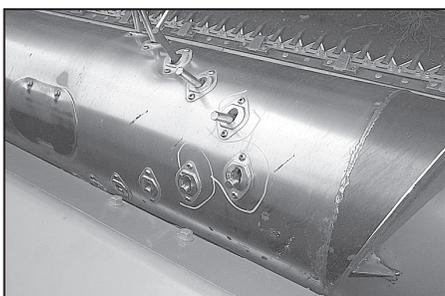
Harvesting faster in tough conditions can also contribute to resale value on the combine, according to Kuchar. "These parts make harvest go a lot faster, so you don't put the hours on the machine. Remember, when you go to trade that machine, the dealer doesn't ask 'How many acres did you harvest with this machine?' He asks 'How many hours has it run?' So, if you save 25 to 30 hours a year at \$150 an hour, you're saving \$3,750 to \$4,500 a year alone on hours on the machine. It isn't acres that wears a machine out, it's hours."

# FRUSTRATED WITH HARVESTING PROBLEMS?

## ***Kuchar High Performance Combine Parts Are the Solution You Need!***

As a grain farmer, you've probably experienced a wide range of harvesting problems with conventional O.E.M. equipment. Some of these may have been caused by the conditions, but some of them may also have been caused by the machine itself. This chart outlines common harvesting problems, where they occur, and offers a remedy using Kuchar High Performance Combine Parts.

PROBLEM	CAUSE	REMEDY/KUCHAR PRODUCTS TO USE
	<b>FOR CYLINDER</b>	
Cracking and Grinding	Concave & Cylinder	Kuchar Filler Plates Kuchar 14 Bar Concave and Finger Grate
Dusting from Feederhouse	Cylinder filler plates	Kuchar Filler Plates offer major improvement
	<b>FOR ROTOR</b>	
Poor thrash on rotor combines	Concaves & Rasp Bars	Helical Rasp Bar Kit Kuchar Concaves and Separating grates
Poor Separation on the shoe part of combine	Over threshing	Kuchar Concaves plus an air scoop on the Chaffer



**Feeding is the most important thing on the machine. Remove the 3 outside fingers on each end of the auger for even feed across the cylinder.**



Kuchar Combine Parts can dramatically improve machine performance in wheat, corn, beans, rice, canola and other grains. Use the chart below to see which parts are applicable for your harvesting situation.

KUCHAR PART	WHEAT/GRAINS	CORN/BEANS	RICE
<b>Cylinder Bushings</b>	x	x	x
<b>Filler Plates*</b>	x	x	x
<b>Concaves</b>	x	x	
<b>Finger Grate*</b>		x	

**NOTE: \*These parts are included in the Kuchar Kit. By installing a complete Kit you save dollars compared to purchasing parts individually.**

# KUCHAR SPECIALIZED HIGH PERFORMANCE COMBINE PARTS

## Kuchar Accelerator and Discharge Beater

The Kuchar spiral accelerator more efficiently streamlines the flow of crop material off the feeder house chain and into the impeller flights. This eliminates back feeding and reduces the amount of dust coming out of the feeder house. It better separates foreign material to the rock trap to prevent rotor damage.

The Kuchar discharge beater corrects the uneven feeding of the crop material from the rotor to the chopper. This allows the chopper to operate at its maximum capacity and creates an even spread of residue on the field.



## Kuchar Impeller

Kuchar impeller does not block off the flighting so you get an even feed of material and crop into the rotor for a more even job of thrashing and separation. This eliminates dust coming out of the feederhouse. (patent pending)

John Deere



Kuchar



## Kuchar All Crop Progressive Concaves

Kuchar Progressive Concaves progress in width for better separation and practically eliminate Rotor Loss. Kuchar Progressive Concaves allow you to run wider with more rotor speed. They also eliminate build-up in the concave for more capacity, a cleaner sample in the bin, and less grain on the ground. A set of Kuchar Concaves has 672 square inches more opening in the thrash and separation area than a set of John Deere Concaves.

Kuchar Progressive Concaves are also made for Case IH, New Holland, and Massey Ferguson Combines.



## Kuchar Separating Grates

The Kuchar separating grates allow you to get a cleaner sample in the bin with less rotor loss, for more capacity.

“We first bought the elements for our old rotor in 2008, we were so impressed with it that we bought the complete rotor and transferred our elements to it in 2009. We also bought a feed accelerator the same year. We had talked to Kuchar initially at the Farm Progress Show in Regina, Saskatchewan, Canada and what he was telling us about his parts made sense. As we all know it was a tough year for harvesting this year even though we had increased capacity we never plugged once or had any burned belts under very heavy conditions! We had very little R.P.M. loss on the rotor when feeding at an increased capacity because it is much heavier than the JD factory rotor. We would strongly recommend to any farmer to use Kuchar Combine Parts.”

*Rich & Mike Galbraith  
Milestone, SK, Canada*

“Our 9560 STS John Deere would not thresh grain out of the pods in tough conditions. We had to up the rotor speed to the point where it split the beans to get them out of the pods. We were going to change machines until we found Kuchar Combine Parts. I called George, told him the problems we were having and he recommended the parts that would fix our problems. Now we can pick beans in very wet conditions with no split beans and a cleaner sample in the tank. Nothing [is left] on the ground and the machine pulls a lot easier in tough conditions! Without these parts we would have traded our combine for a different color.”

*Reggie Askew  
North Carolina*



“In 2014 my partner and I installed George’s combine parts in our John Deere S680. We only put 254 separating hours on 4000 acres. We’ve decreased our fuel consumption, increased the capacity on the combine and had a lot better grain sample.”

David Virgin  
Indiana

“When we first got our STS John Deere Combine, we couldn’t believe the poor thrashing results, so we called George Kuchar. Kuchar parts were installed in 2003 on our 1st rotor combine. Since then we added one more combine and installed another whole Kuchar kit because we liked it so much. It’s more cost effective because you do more thrashing in less time! We see increased capacity, better grain quality and there’s more grain in the tank. Since installing the Kuchar kit we have seen that we can drive faster, use bigger heads, save fuel and put less hours on the machine. If Kuchar has something for your combine you’d better install it!”

Josh Beetz  
Mendota, IL

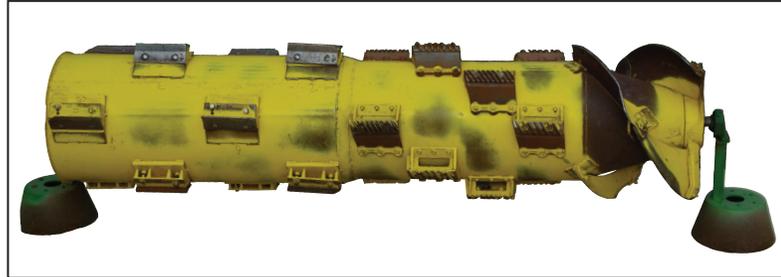
**This is the sample you’ll get!**



# KUCCHAR STS SPECIALIZED HIGH PERFORMANCE COMBINE PARTS

## Kuchar High Performance Rotors

The Kuchar rotor moves the material through from front to back in 3 seconds for a better job of threshing and separation. The rotor pulls easier, uses less fuel and does not break up the material. This puts less non-grain material on the shoe. You get a clean grain sample in the hopper with minimal rotor loss. It is AWESOME!



**Kuchar Step Rotor**

This Kuchar Rotor has run 10,000 acres and does not show the wear as noted in picture below.



**John Deere Rotor**

The John Deere rotor takes 14 seconds to get the material through. The inefficient design of the John Deere rasp bars and tines rely on the impeller to push material through the rotor, causing excessive wear to the flights and rotor. The result is a thicker mat of material in the rotor, more breakage of material, costly damage to the grain and increased difficulty separating the grain from the crop residue.

The wear at the rear of the rotor is the result of poor removal of crop residue by the John Deere discharge beater.



2007 to Present  
John Deere  
Rasp Bar

Kuchar  
Mount &  
Rasp Bar

2000 to 2006  
John Deere  
Rub Bar



## Kuchar Helical Rasp Bars

The Kuchar helical rasp bars and mounts are made to replace John Deere parts on the regular and bullet rotors. The Kuchar mounts and rasp bars use technology that greatly reduces the breakage of material in the rotor with less damage to the grain. Decreases load of material on the shoe with minimal return, giving you a cleaner sample and increases capacity. The Kuchar rasp bar mount is engineered with a 45 degree rise angle. This allows material to easily slide up the mount to the true rasp bar and the outside of the rotor, where it can be threshed and separated for a better sample.

The John Deere rasp bar and rub bar mounts use an abrupt 70 degree rise angle. This pushes material forward in front of the mount instead of letting it freely flow to the outside of the rotor. The Kuchar units use less horsepower, increase capacity and reduce fuel costs.

# SPECIALIZED COMPONENT PARTS FOR NEW HOLLAND

Kuchar also offers a concave for NEW HOLLAND CR & TR machines. These high performance parts operate cleanly, even in the toughest conditions. Rods are on the surface of the separating bars, not recessed in the bar. The design is self cleaning so less debris reaches the sieves. This unique design works in all crops; corn, soybeans, wheat and milo. You don't have to change concaves when you change crops. In corn there's less kernel breakage and no silk buildup on the concaves. You harvest faster with cleaner, better quality grain in the tank. Sizes to fit CR & TR Models. Call us at 217-999-8180 for more information.



**CR New Holland Concaves with Extension.**



“We raise corn as a specialty crop for a major snack food firm and they expect top performance. We harvest about 1500 acres of corn and 700 acres of soybeans with our 1680 International. The green and tough beans would rope in the rotor. We had Kuchar come out and he helped us install his concave and cleaning system. I would say we gained 25% capacity. I would recommend Kuchar Combine Performance to anyone.”

*Jay Fillman  
Mazon, IL*

“We harvest about 1600 acres of rice annually with a 1688 machine. We were having problems with the grain separating from the straw, and grain was going over the rotor. We installed the Kuchar concave and separating grates. The machine threshes the grain quicker and gets it out of the concaves and grates without plugging, even with green leaves and chaff. We have run the machine in 500 acres of corn and the sample is much cleaner. Our investment paid for itself in the very first year.”

*Roger Wilkinson  
Brinkley, AR*



“We run a 1460 IH with a Kuchar rotor, grates and concave. We ran next to a 1680 that didn’t have the Kuchar conversion and cut side by side through 2800 acres of wheat with plenty of weeds. The machines had the same 28’ headers and cut about 30 days. The 1460 performed as well or better than the 1680 every day, in fact the 1680 often plugged in the toughest conditions. Our investment was less than \$4,000 and we were able to harvest the same amount as the larger machine using 15% less fuel. We also cut about 500 acres of beans and it worked extremely well.”

*John Stroble  
Elk City, Kansas*

“I raise commercial corn and soybeans in central Illinois. I have a 5130 International combine with a 8 row corn head and a 25 foot platform. In the past few years I have had trouble cutting green stem beans. I want to use fungicide on my beans for better yields but have only treated a few acres because they were so hard to harvest. This fall I installed a set of Kuchar concaves in my 5130. I was able to cut green stem beans with green leaves still on them with NO trouble. These concaves never plugged. I still had a clean sample and was able to run a mile an hour faster with less fuel consumption. I also some harvested green leaf corn with NO problem. Next year I will treat all of my beans with fungicide.”

*Jim Reeder  
Central IL*

# SPECIALIZED COMPONENT PARTS FOR CASE-IH COMBINES

## REDUCE GRAIN DAMAGE AND LOSS WHILE IMPROVING MACHINE CAPACITY

Case-IH O.E.M. concaves and separating grates often plug with crop residue in tough conditions. It’s a frustrating experience for operators to clean them out at one end of the field only to have them plugged a short distance later. These special components will help eliminate plugging problems and increase capacity.

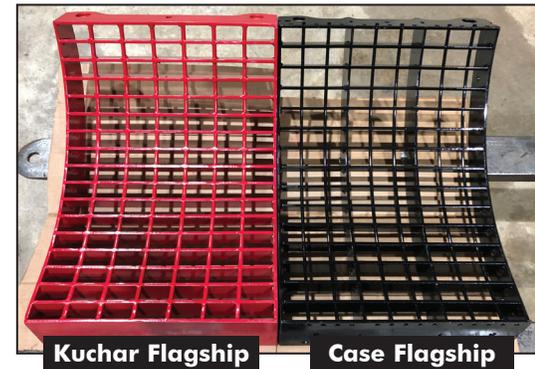
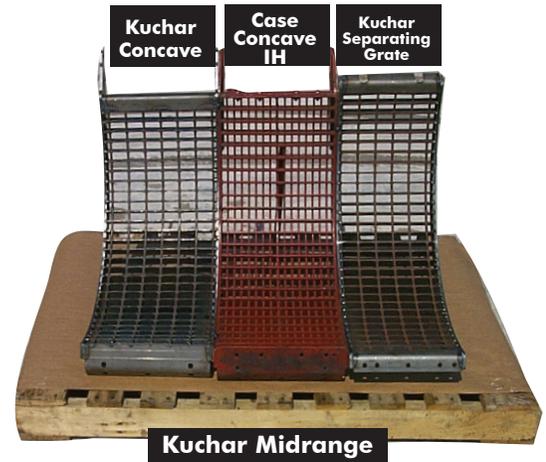
### Kuchar Concaves and Separating Grates

These high performance parts operate cleanly, even in the toughest conditions. Rods are on the surface of the separating bars, not recessed in the bar. The design is self cleaning so there is less kernel breakage and no silk buildup. Less debris reaches the sieves. This unique design works in all crops. You don’t have to change concaves for wheat, corn, beans or milo.

You harvest faster with cleaner, better quality grain in the tank.

Sizes fit all Midrange and Flagship 7010 to 9130 series C-IH machines.

(U.S. Patent 577,866)



# SPECIALIZED COMPONENT PARTS FOR MASSEY

The Kuchar Massey Concaves for the 31" Rotor are Progressive Concaves. They are all crop concaves. They work in corn, soybeans, wheat and milo. They thrash better, give better quality grain, and pull easier using less fuel. You do not have to change concaves when you change crops.

The Kuchar Massey rotor thrashes the crops faster, does not break up the material and does not damage the grain. It does a much nicer job of thrashing.



## Kuchar Rotor for Massey



“The Kuchar filler plates won’t let dust settle behind and inside the cylinder...the eliminates vibration & out-of-balance conditions.”

*Chris Pilgram  
Fredonia, PA*

“The rotor is awesome! It allows us to use less fuel - we can save up to a quart of diesel fuel per acre.”

*Bill Carlson  
W. Memphis, AR*

“We first installed Kuchar Combine Parts in our JD 9860 STS in June of 2008. We found that we gained 20% capacity. The heavier rotor runs smoother than the factory models, we have less grain loss and I’m very impressed with the smoothness of thrashing.

It’s money well spent!”

*Joe Koch  
Marsden, SK, Canada*

“WOW is all I can say! I installed the Kuchar kit last fall and went to harvest and I couldn’t believe the difference these parts made in my 9550 walker combine. I literally doubled my acres per day on beans from the previous year with the absolute cleanest sample I have ever had. My best day was 150 acres compared to 75 the previous year! I also saw an increase in productivity on corn as well with a very clean sample. Seemed to flow through extremely well. Very impressed with these products and it was the best investment I have made on my farm to this day. I would definitely purchase again. Customer for life. Thank you George.”

*Randy Ouwerson  
Central MN*

“I installed the concave, Super Kit, chaff breaker and air screen on my brand new 9600. I have used the machine in wheat, soybeans and corn, and it has done a tremendous job in all three. The grain quality is excellent, there is no dusting, and I travel faster than other machines like mine.”

*Ted Glaser  
Oscar, LA*

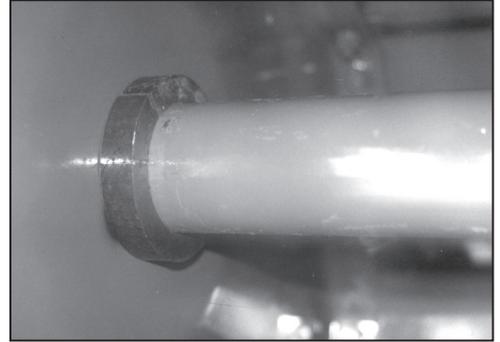
“I purchased Kuchar Concaves for a Case IH 7088. I am completely satisfied with the results: more capacity, less rotor loss and a better sample in the tank over the OEM concaves.”

*Ryan  
IA*

## SPECIALIZED COMPONENT PARTS

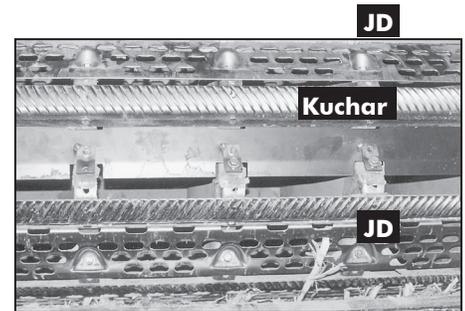
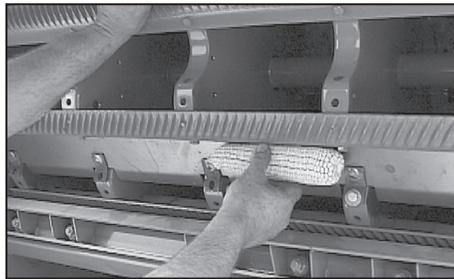
### Kuchar Cylinder Bushings

Kuchar Cylinder Bushings are easily inserted on the cylinder shaft inside each of the bar supports. They strengthen the cylinder and reduce flexing, which causes poor threshing. Bushings fit all 9000, 10, 50 and 60 series Deere combines. Also prevents breaking of the drive spiders.



### Kuchar John Deere Patented Filler Plates (U.S. patent 4,796,645)

These filler plates will reduce dusting, help eliminate cracked grain, and takes less power to run your machine. Cobs roll through the cylinder and grain is removed without cracking. The design creates a suction effect that keeps dust out of the cylinder, which is the leading cause of vibration and abnormal rasp bar wear. They’re easy to install — just bolt them in place between the rasp bars. Sizes to fit all 100-20, 9000, 10, 50 and 60 series Deere combines.



**14% moisture corn from a 9760 STS  
with Kuchar Concaves and Rasp Bars.**



# SPECIALIZED COMPONENT PARTS



*The Kuchar Concave will eliminate plugging problems like these which are common with the OEM Concave*

## Kuchar High Performance 14-Bar Concave (U.S. patent 4,909,772) (Canadian patent 2,010,727-8)

Precision cut and formed with computerized equipment to 10/1000th of an inch tolerance, this high performance concave forms a perfect circle with the cylinder. Made of 1044 high abrasion steel, this concave will provide hours and hours of use without showing wear. The Kuchar Concave is about 100 pounds heavier than the O.E.M. product, so

it doesn't bend or flex as easily. The cylinder can run at a slower speed, so threshing is gentle with less cracking. The Kuchar Concave has larger spaces between bars in the front and smaller spaces toward the back because the load of the concave is always in the front. The back spaces are smaller for better separation. Grain is fed more evenly into the beater. Sizes to fit all 9000, 10, 50 and 60 series Deere combines.



## Comparison of separation area in concave

Kuchar:	9500 Combine: 95 -	1298.5 sq. in. of thrash and sep.
Deere:	9500 Combine: 95 -	596.25 sq. in. of thrash and sep.
Kuchar:	9600 Combine: 96 -	1536.0 sq. in. of thrash and sep.
Deere:	9600 Combine: 96 -	736.0 sq. in. of thrash and sep.

## Kuchar Finger Grate

In corn and beans, separation is improved with a Kuchar Finger Grate because material is aerated and fluffed up between the cylinder and the beater. The Kuchar Grate feeds the beater in a lower position, resulting in substantially less back feeding over the cylinder. Larger than the standard O.E.M. by 20 square inches ( 30%), the Kuchar Finger Grate will help your combine deliver more capacity and cleaner grain without back feeding.

“I was having problems with grinding corn on my 9600 and thought it was my settings. After seeing the same problem at the Farm Progress show, I knew the combine was the problem, not me. So I installed George’s concave and Super Kit and steel curtains. These parts reduced the screenings and foreign material. The better action in the straw walkers mean I’m leaving less grain in the field. It also takes less horsepower, and I can drive faster.”

*Dave Pelzer  
Estherville, IA*

“I have installed Kuchar parts in my 9600 and everything George said they would do they have done. The machine is more efficient, I can harvest faster, and I capture more grain. His parts and modifications reduced my field loss to about 2/3rds of a bushel of rice per acre. Other machines lose 2 1/2 to 4 bushels per acre. George really knows what a combine is made of and his word is good.”

*Sam Whiting  
Gillett, AR*



**Dave Johnson  
Hoopeston, Illinois  
John Deere 9650 STS**

"I've used Kuchar parts for two years and, compared with the original equipment, there's just no comparison. The Kuchar parts do a lot better job on corn, soybeans and wheat. We have a lot less grain damage now because the concave doesn't have to be set as tight and the cylinder runs slower. It also doesn't pull as hard so we're saving on fuel."

**Roger Stotts  
Greensburg, Kansas  
CaseIH 2388**

"We grow irrigated corn, soybeans, milo and wheat. We in-stalled the Kuchar concave and grate sections to increase our capacity, and to ease the transition between crops. The parts worked very well and made harvest a lot easier for us. In soybeans, they were just simply wonderful. When we went from corn to milo, it was very easy to make the transition."

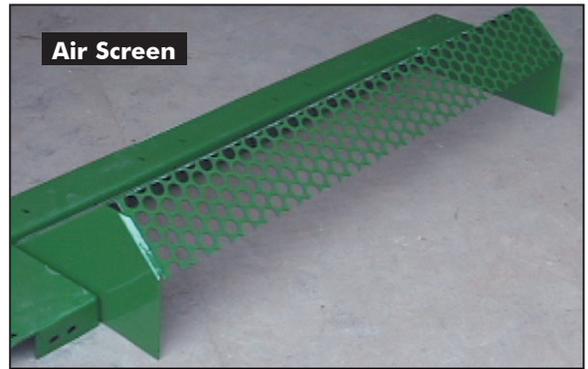
**Jerry Thuesen  
Reserve, Montana  
John Deere 9500**

"We installed the complete Kuchar kit in our John Deere 9500 because the original concave was showing wear. We harvested lentils, canola, brown mustard and durum wheat and were satisfied with the results. We combined side by side in the field with 9600s and we did as good a job or better than those machines. We definitely were able to run grain through it faster, and clean it better, than we had with the original equipment."

**Dean Hoiland  
Northwood, ND  
John Deere 9610**

"The Kuchar concave and straw walker risers have definitely improved the combine's performance in wheat, corn,

**A large air screen installed under the fan chamber of Deere combines allows more air to reach the fan, resulting in more air flow through the machine and better separation.**



**The specially designed Kuchar chaffbreaker replaces a portion of the pre-cleaner, creating better separation because the pre-cleaner can run open in small grains.**



**Kuchar Steel Curtains will hold the grain against the walker and let it perform in its separation of grain and residue. Since grain is heavier than residue, grain is pushed toward the bottom of the walker and residue stays on top.**



soybeans and dry beans. We get a lot less backfeeding through the cylinder, less grain going over the straw walkers, and a lot fewer whitecaps in hard-to-thresh wheat. In dry beans, we were able to slow the cylinder down and that resulted in less cracking."

**Mark Doudlah  
Evansville, Wisconsin  
John Deere 9650 STS**

"We bought one of the first John Deere 9650s in 1999 and soon discovered we were losing 1-1/2 to 3-1/2 bu. corn and 3/4 bu. soybeans through the combine. We made countless adjustments in clearance and speed and rolled

the chopper away from more than 100 times to check yield loss but not even the factory reps could fix the problem.

"Once we installed the Kuchar concave, we noticed improvement immediately. We could see that the chopper had stopped scattering kernels into the unpicked rows. The difference between the original John Deere parts and the Kuchar concave assembly is night and day. If I buy another John Deere combine, it will be delivered to my farm with Kuchar parts."

## **Do You Have Ideas About Improving Combine Performance? See Us At Major Farm Shows or Call Us Anytime.**

Kuchar is in business to help improve the performance of your combine. All of the parts in this brochure have proven successful through countless hours of harvesting in a wide range of conditions. Even though we have an extensive line of products, we're always looking for new and better ideas.

Some of our products were initially suggested by innovative farmers who were tired of harvesting problems with O.E.M. equipment. If you have ideas for other products to improve the harvest capacity or threshing ability of today's combines, call us or stop and visit our booth at major farm shows. We're in business to help you harvest more grain from every acre.

**Customer Note:** Any parts described in this catalog can be ordered direct from Kuchar Combine Performance. Order charges, including shipping, must be pre-paid.



**14% moisture corn from a 9760 STS  
with Kuchar Concaves and Rasp Bars.**



**KUCCHAR COMBINE  
PERFORMANCE**

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