# THE BEAST® HORIZONTAL GRINDERS



**Ready to Reorder?** Contact your local authorized Bandit parts dealer, or call 989-561-2270 (ext. 2)



### **INTRODUCTION**

### **ABOUT THE BEAST XP-SERIES**

### INTRODUCTION

### **CUSTOMER TESTIMONIALS**



### IT'S NO COINCIDENCE THAT WE CALL IT THE BEAST®.

The Beast XP-Series Horizontal Grinders are able to process an amazing array of materials, turning forest waste and woody municipal waste into a valuable product. Process stumps, logs, brush, wet leaves, whole trees, landscape waste, pallets, railroad ties, telephone poles, housing demolition, sawmill waste, logging, chip mill and paper mill waste, and more!

The most important benefit of The Beast is the quality and uniformity of the end product. Breaking down material by cutting, splitting, grinding, and now also by chipping, provides a multitude of options for producing a desired end product. Various tooth options, screens of almost any size or shape, and the ability to change the infeed conveyor feed speed allows you to produce material uniform in size and consistency to bring top dollar for your product. Tool options controlling the cut enable The Beast to deliver the best mulch products, the most uniform raw material for pressed board, the most acceptable boiler fuel, and the best hot mix asphalt supplement from shingles.

And The Beast keeps on getting better. Introduced in 2013, The Beast XP-Series incorporates over 35 specific enhancements across eight categories that improves the utility of the Beast in every way. XP-Series improvements completed in 2015 make The Beast even better. More than 40 enhancements across the Beast line added additional production and performance while significantly reducing operating costs. Among those include a 30-tooth cuttermill option for the Model 2680XP and 3680XP, the most popular horizontal grinders in The Beast lineup. Other enhancements include a faster mill speed, a faster 6-speed infeed conveyor speed, a proportional drive option to match infeed speed to engine load, a dual-stage discharge conveyor, and many other improvements designed to increase the life of wear areas, while also reducing maintenance costs. In most applications, XP enhancements and options have increased Model 2680XP and 3680XP production by 50 percent!

For detailed information on any model, please contact Bandit Industries or your local Bandit dealer for a specific product brochure.



### WHAT OTHERS HAVE SAID ABOUT THE BEAST:

#### **Jerry Lambert Testimonial**

"When we first started grinding shingles, the product size was ½-inch-minus. It took multiple pieces of machinery to get it down to that size to meet the spec. Today we're doing it with one machine, and that machine is the Beast. We're running 10 machines nationwide. Now they're asking for 3/8-inch-minus with 100 percent passing a 3/8-inch screen and 95 percent passing the No. 4 sieve, which is almost like sand. We've tried this before with other machines to try to get them to hit this spec. So far the only one that that's hit it is The Beast."

-- Jerry Lambert, operations manager for Recycling and Processing Equipment

#### **Mike Kachur Testimonial**

"I worked my way up through what I could afford, but I always wanted a new Beast. They're just built better, heavier, and worth the investment. So I just kept working and made my way up to where I could buy one. And this is how I know I've made it, that I'm a success–I have a Beast."

-- "Paying Dues" Bandit Bits Fall/Winter 2013

#### **Kevin Wood Testimonial**

"Knowing what I know about how the mills are set up and the differences there, I like the way the mill is set up in The Beast. I believe it's a safer setup, not to mention the feed rate of these machines is a lot faster. It processes material much easier. The customer service and support that we get from Bandit is second to none, hands down. We don't have a lot of problems with the new machine, but Bandit is there to help, anytime you need them. Just pick up the phone."

#### **Josh Fookes Testimonial**

"Knowing that the Bandit could also produce mulch for us was one of the reasons we went that direction. If we went down this road and spent this money on this great piece of equipment, and all it could do was process shingles, and if Caltrans never approved a spec, we were stuck with a machine that could process shingles, but we can't process shingles because we don't have an end market. We wanted a machine that could do versatile types of feedstock." -- Finding the Value in Shingle Waste Bandit Bits Spring/Summer 2016

### **BEAST PARTS LISTINGS**

Part Number	Description	
	STANDARD TEETH	
900-9904-61	1" Splitter Tooth	
900-9911-04	Short Shingle	
900-9911-60	NR26	
900-9914-75	Shingle Splitter	
900-9914-93	1" HD Cutter	
	FAN TEETH	
900-9904-62	Splitter Fan	
900-9904-95	Blunt Nose Splitter Fan	
900-9910-92	Short Shingle Fan	
900-9911-61	NR26 Fan	
900-9911-62	HD Cutter W/Fan	
900-9912-09	Shingle Splitter Fan	
	2" WIDE FAN TEETH	
900-9915-01	2" W Blank Fan	
900-9915-03	2" W Double Blunt Nose Splitter Fan	
900-9915-04	2" W Double Splitter	
900-9915-05	2" W Double 1" Flat Carbide Fan	
900-9915-07	2" W 55G Hard Surface Fan (Trash Tooth)	
900-9915-08	2" W Double NR26 Fan (Shingle Claw)	
900-9916-06	2" W Double Shingle Fan	
	KNIFE STYLE CUTTERBODY TEETH	
900-9914-96	Double Splitter KSCB	
900-9918-86	Triple Splitter KSCB	
900-9915-23	Chipper Knife 26/3680	
900-9915-26	Chipper Knife 4680	
900-9915-24	Wear Block	
900-9915-25	Counter Knife	
900-9914-97	Double Carbide Cutter KSCB	
900-9914-98	Double Blunt Nose Splitter KSCB	
900-9914-99	Double NR26 KSCB	
900-9915-00	55G Sprinkle Carbide Impregnated KSCB (TT)	
900-9916-07	Double Shingle KSCB	

### **BEAST PARTS LISTINGS**

PARTS

Part Number	Description
	1680 TEETH
900-9915-15	Double Splitter 1680
900-9915-16	Double Blunt Nose Splitter 1680
900-9915-17	Double Short Shingle 1680
900-9915-18	Double NR26 Carbide 1680 Not Pictured Yet
900-9915-19	2" W G55 Carbide 1680
	CUTTERBODIES
982-100005	Standard 1680
982-2003-57	Knife Style 1680 KSCB
977-200835	Standard 26/3680
977-304720	Replaceable Raker 26/3680
977-2012-34	Knife Style 26/3680 KSCB
983-2004-66	Standard 4680
983-301884	Knife Style 4680 KSCB
983-302327	Replaceable Raker 4680
977-2012-33	Standard 30-Tooth Knife Style 26/3680
977-200800	Standard 30-Tooth 26/3680
977-305134	Standard 30-Tooth Raker Style 26/3680
	WIPERS/RAKERS
900-9915-20	Wiper Insert, Hard Facing 16/26/36/4680
900-9915-21	Wiper Insert, Carbide Sprinkle 16/26/36/4680
977-100056	Raker, 45 Degree
977-200817	Raker, HD 6 Weld (Shingles Only)
977-2011-99	Raker, Standard Forged
983-2004-42	Raker, Standard Forged 4680
983-2004-43	Raker, HD Forged 4680
977-2012-00	Raker, HD Forged
977-2012-01	Raker, 30-Tooth Cutter Head
977-2012-02	Raker, 30-Tooth Cutter Head

**PARTS LISTINGS** 

### 

### **STANDARD TEETH**

### **FAN TEETH**



PART NO. 900-9904-61



PART NO. 900-9911-60







PART NO. 900-9911-04



PART NO. 900-9914-75



PART NO. 900-9904-62



PART NO. 900-9910-92



PART NO. 900-9911-62



PART NO. 900-9904-95



PART NO. 900-9911-61



SHINGLE SPLITTER

PART NO. 900-9912-09

### **RECOMMENDATIONS:**

We recommend running a minimum of 30 fan teeth in most applications. The fan teeth will help move the ground material through the screen quicker than standard teeth. This will help to reduce wear and increase production while grinding.

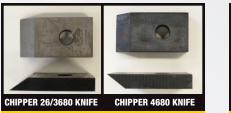
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PART NO. 900-9915-01

### PARTS

### **KNIFE STYLE CUTTERBODY TEETH**

### **2" WIDE FAN TEETH**





DOUBLE SPLITTER KSCB





900-9914-97



PART NO. 900-9914-99





2" W 55G HARD SURFACE FAN (TRASH TOOTH) PART NO. 900-9915-07

2" W BLANK FAN





PART NO. 900-9915-03



PART NO. 900-9915-05



PART NO. 900-9915-08



55G SPRINKLE CARBIDE IMPREG. KSCB (TT) PART NO. 900-9915-00







PART NO. 900-9914-96

# PARTS

### **CUTTERBODIES**

# **1680 TEETH**



PART NO. 977-200835



PART NO. 977-304720



PART NO. 983-200359

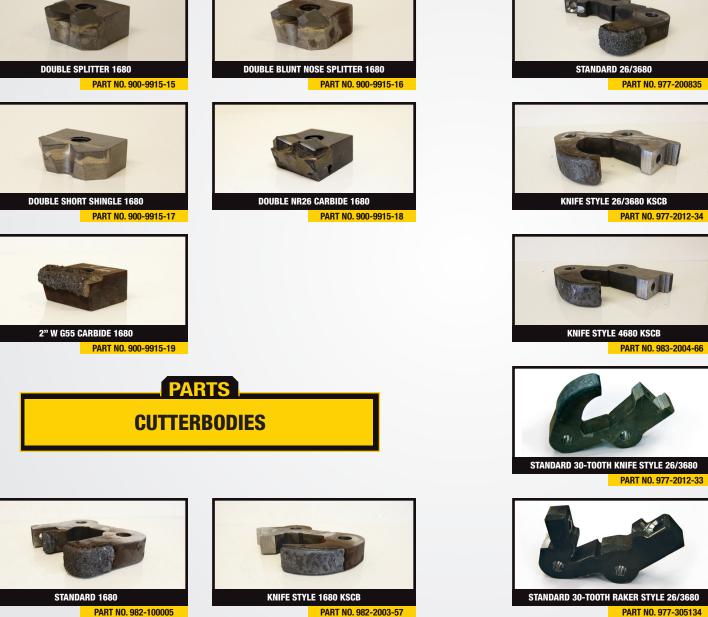




PART NO. 983-302327



PART NO. 977-2012-70



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WEAR PARTS

### PART

### WIPERS/RAKERS

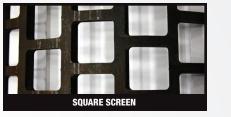
### **SCREEN SELECTIONS**





SQUARE BAFFLED SCREEN

ANA REACTOR



### **SCREEN VARIATIONS**

#### Available Screen Types:

There are several screen types available. Each are designed to match the user's specific grinding needs, production rate, and desired end-product.

#### 5/8" - 7" Modified Diamond

- Highest production rate .
- Less consistent product .

#### 1"- 4" Round

- Good for dry material ۰
- Good for consistent product
- Less than square baffle but higher production rate
- Lower than modified diamond
- 1" 4" Square Baffled Screen
- Good for dry material
- Very consistent product Lower production rate

**WEAR PARTS** 

#### **Screen Variations:**

Screen size will vary depending on the desired end-product shape and will be determined by desired end-product consistency.

#### Modified Diamond Holes:

- Longer stringy-looking end-product, . allows material to pass through freely.
- Good for primary grind and . applications where high consistency is not necessary.
- ۰ Works well in wet green waste where moisture content is the highest

#### **Round Holes:**

Consistent end-product, good for final • grind/sizing.

#### Square Screens:

- Most consistent end-product, good in pallets and material that will splinter.
- Not good in green/wet material.

#### Square Baffled Screens:

- Most consistent end-product, good in pallets and material that will splinter.
- Limits overs to produce a more uniform end-product.

### THE BEAST® WEAR PARTS // 13







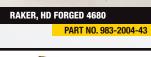
PART NO. 977-100056











**RAKER, 30-TOOTH CUTTER HEAD** 

PART NO. 977-2012-02

WIPER INSERT, CARBIDE SPRINKLE 16/26/36/4680

RAKER, HD 6 WELD (SHINGLES ONLY)

RAKER, HD FORGED

PART NO. 900-9915-21

PART NO. 977-200817

PART NO. 977-2012-00

### **THE BEAST® CUTTERMILL HEADS**

### APPLICATIONS

### **WOOD & SHINGLE GRINDING**

### THE BEAST CUTTERMILL HEADS

#### Cutterhead Information

Your cuttermill is fabricated with two spirals of tooth holders. Teeth may be configured in any way needed on the drum to fit your needs. Improperly installed teeth will not grind properly and may damage the cuttermill. Because all applications differ, it is important to determine what tooth combinations perform best under different situations. We encourage you to experiment with different combinations of teeth and screens to obtain production, product and economic goals. Please refer to page 15 for suggested setups for some common materials/applications.



### **Mill Configurations:**

#### 1680XP:

• 26-Tooth Cuttermill

#### 2680XP:

- **30-Tooth Cuttermill**
- 60-Tooth Cuttermill
- Chipper Drum

#### 3680XP:

- **30-Tooth Cuttermill**
- 60-Tooth Cuttermill
- **Chipper Drum**

#### 4680XP:

60-Tooth Cuttermill

# WOOD GRINDING APPLICATIONS: SUGGESTED SETUPS

### C&D / Pallets / Dimensional Lumber:

- 30 pieces Teeth, 2" W 55G Hard Surface (Trash Tooth) / Part No. 900-9915-07
- 30 pieces Teeth, Blunt Nose Splitter Fan / Part No. 900-9904-95

#### Chunk Wood:

- 30 pieces Teeth, 1" Splitter Tooth / Part No. 900-9904-61
- 30 pieces Teeth, Splitter Fan / Part No.
- 900-9904-62 Clean Logs/ Whole Trees: 30 pieces - Teeth, 1" HD Cutter / Part No.
- 900-9914-93
- 30 pieces Teeth, Splitter Fan / Part No. 900-9904-62

#### **Re-Grind:**

30 pieces - Teeth, 2" W 55G Hard Surface (Trash Tooth) / Part No. 900-9915-07

30 pieces - NR26 Fan Teeth / Part No. 900-9911-61

#### Land Clearing Debris:

- 30 pieces Teeth, Blunt Nose Splitter Fan / Part No. 900-9904-95
- 30 pieces Short Shingle Fan / Part No. 900-9910-92

#### Yard Waste:

- 30 pieces Teeth, 2" W 55G Hard Surface • (Trash Tooth) / Part No. 900-9915-07
- 30 pieces Teeth, Blunt Nose Splitter Fan / Part No. 900-9904-95

#### Mulch Colorina:

- 30 pieces Teeth, 1" Splitter / Part No. 900-9904-61
- 30 pieces Teeth, Short Shingle / Part No. 900-9911-04

### SHINGLE GRINDING APPLICATIONS: SUGGESTED SETUPS

Customers process two primary materials, with the result typically being a 1/2" to 3/8" minus end-product.

#### The two primary materials processed are:

Factory Reject (Waste) Shingles **Tear-Off Shingles** 

#### Typical machine setups to achieve this are: Screens and Gates, All:

5/8" Diamond Screens and Gates

#### **Tear Off Shingles:**

- 60 pieces Teeth, 2" W Double NR26 Fan (Shingle Claw) / Part No. 900-9915-08
- 60 pieces HD Weld Pattern Raker / Part No. 977-200870

#### Rakers, Tear Off Shingles:

60 pieces - Standard Raker w/ HD Weld Pattern / Part No. 977-2012-00

#### Factory Waste Shingles: • 60 pieces - Teeth, Shingle Splitter Fan / Part

- No. 900-9912-09 30 pieces - HD Weld Pattern Raker (Installed
- near radiator side of machine) / Part No. 977-2012-00
- 30 pieces HD 6 Weld Shingle Raker (Installed . near sheave side of machine) / Part No. 977-200817

#### **Rakers, Factory Waste Shingles:**

- 30 pieces Monster Raker (Installed near sheave side of the mill.) / Part No. 977-200870
- 30 pieces Monster Raker (Installed near sheave side of the mill.) / Part No. 977-200817

Going to a larger screen/gate will increase product size. 3/4" screens usually give an end product in the 1/2"-5/8" range and a 1" (or what we call 7/8") will give an end-product in the 5/8"-3/4" size range.

Note: These suggestions are based on our previous experience, but your results may differ. Variables in material, conditions, and machine maintenance can lead to different results. Additional refining of the setup may be required to achieve your desired results.

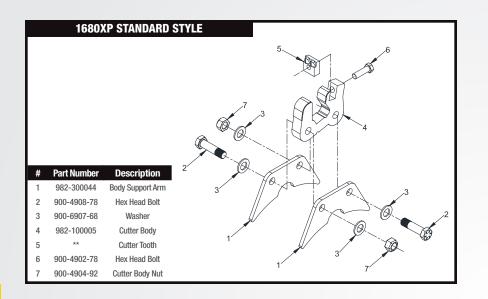


**WEAR PARTS** 

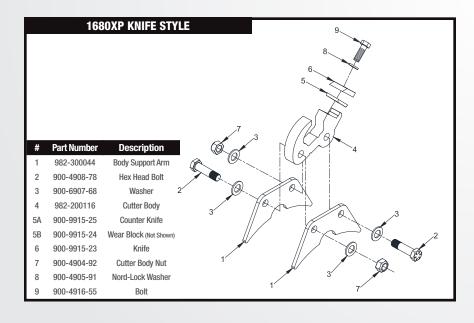


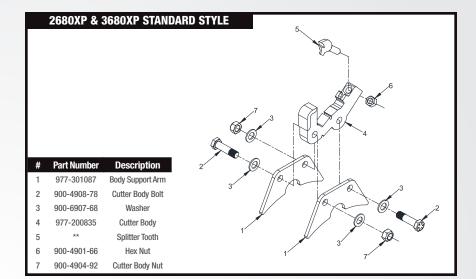
### **30-TOOTH CUTTERMILL**

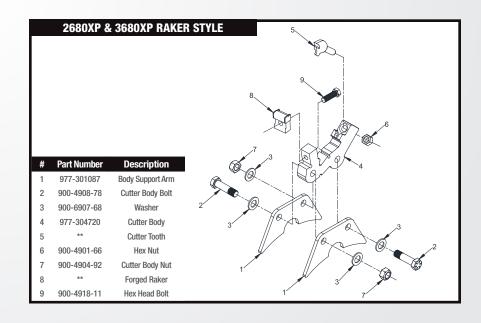
# CUTTERHEAD COMPONENTS



**CUTTERHEAD COMPONENTS** 



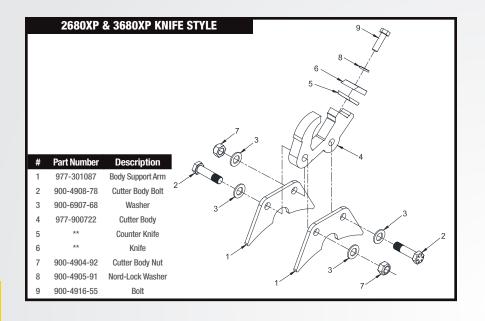


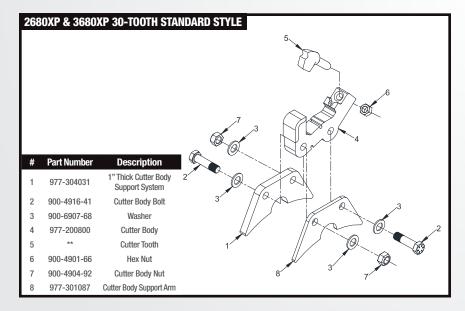


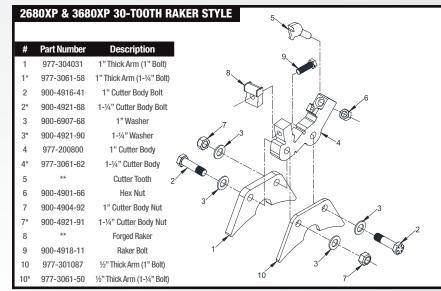
### **16 // THE BEAST® WEAR PARTS**

# CUTTERHEAD COMPONENTS

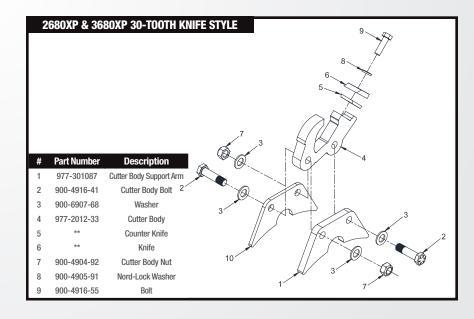
### **CUTTERHEAD COMPONENTS**







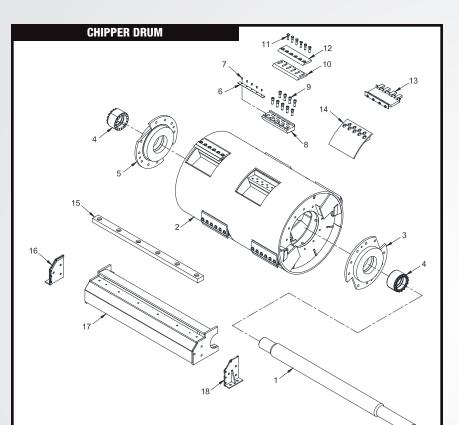
\*Your cutterbodies may require a 1-1/4" bolt. Contact your Parts Representative for more information.



### **18 // THE BEAST® WEAR PARTS**

### PART **CUTTERHEAD COMPONENTS**

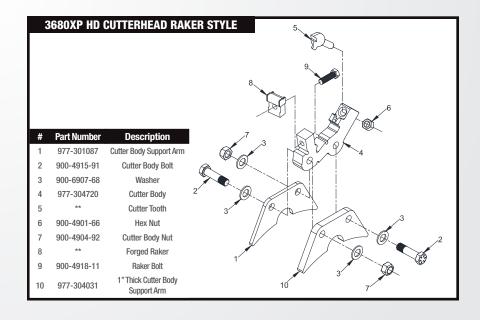




#	Part Number	Description		#	Part Number	D
1	977-301570	Chipper Drum Shaft	-	10	900-9904-82	Chipper
2	977-100707	Chipper Drum Head Assembly (Includes 1-12)		11	900-4914-27	5/8"-18NF
ЗA	977-201150	Drum Head End Plate Assembly		12	977-3059-58	Chippe
JP	977-201150			13	959-1000-02	I
3E	900-4913-18	7/8"-9NC x 2-1/4" Hex Head Bolt (Not Shown)		14	977-2012-35	1
4	900-1914-34	Keyless Taper Lock Bushing		15	977-305774	Chipper I
5	977-201149	Drum Head End Plate Assembly		16	978-2004-16	Chipper Drun
6	977-305734	Counter Knife		17	977-201164	Chipper D
7	900-4906-76	1/4"-20NC x 1/2" SHCS Counter Knife Bolt		18	978-2004-15	Chipper Drun
8	977-3059-57	Knife Holder - Babbitt Style Knife		19	900-9906-90	Li
		(Requires Counter Knife)		20	900-9900-60	1/2 Ball
9	900-4914-30	3/4"-10NC x 2-1/4" SHCS Knife Holder Bolt				

ŧ	Part Number	Description
0	900-9904-82	Chipper Knife - Babbitt Style
1	900-4914-27	5/8"-18NF x 2-1/4" Hex Head Bolt
2	977-3059-58	Chipper Knife Top Clamp
3	959-1000-02	Knife Gauge
4	977-2012-35	Pocket Filler
5	977-305774	Chipper Drum Anvil Wear Bar
6	978-2004-16	Chipper Drum Anvil Cover - Curb Side
7	977-201164	Chipper Drum Anvil Assembly
8	978-2004-15	Chipper Drum Anvil Cover - Road Side
9	900-9906-90	Ladle (Not Shown)
0	900-9900-60	1/2 Ball of Babbitt (Not Shown)

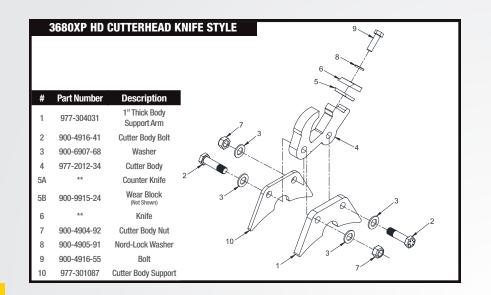
#### **3680XP HD CUTTERHEAD STANDARD STYLE** Part Number # Description 977-301087 Cutter Body Support Arm 900-4915-91 Cutter Body Bolt 2 3 900-6907-68 Washer 4 977-200835 Cutter Body \*\* Cutter Tooth 5 6 900-4901-66 Hex Nut 900-4904-92 Cutter Body Nut 7 1" Cutter Body 977-304031 8 Support Arm

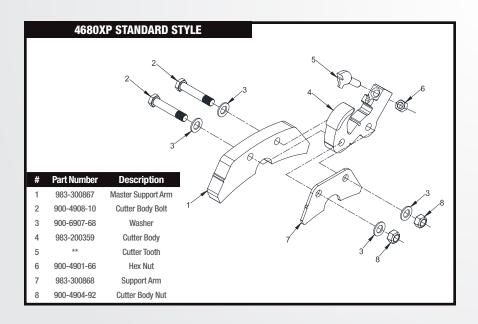


WEAR PARTS

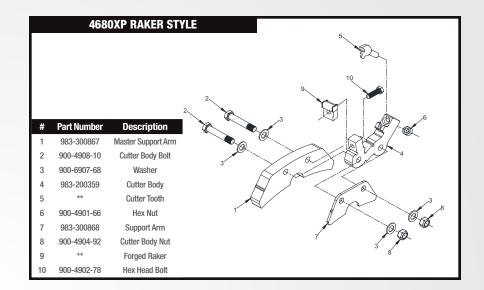
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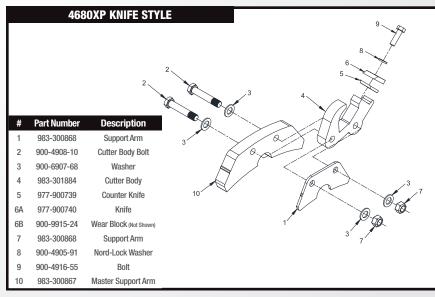
### **CUTTERHEAD COMPONENTS**





### **CUTTERHEAD COMPONENTS**





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# Thank you for your interest in Beast Wear Parts!

Our commitment to you is to quickly and conveniently provide the best quality wear parts, the best service and the best support for you and your equipment.



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