



COLD PLANER PARTS REFERENCE GUIDE

SHOP ONLINE AT WWW.PARTS.CAT.COM OR CONTACT YOUR LOCAL CAT DEALER





CAT

PM822

GRADE CONTROL

CAT



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SUPPORT

WHEN YOU NEED IT MOST

When we say we're right there with you, we mean it. We're focused on building relationships that extend well beyond machines. That means sharing our expertise to help you select, finance, operate and maintain equipment and then standing by your side to keep that equipment—and your business—running smoothly.

To learn more, contact your local Cat dealer and your Cat Financial Commercial Account can help with convenient payment plans for any parts and/or service needs. [FIND YOUR DEALER](#)



FIND YOUR DEALER

REPAIR OPTIONS

Maximize your uptime and minimize overall owning and operating costs by planning an off-season repair and annual replacement of wear parts. Whether you are a Do-it-myself, Do-it-with-me, or a Do-it-for-me customer, your Cat dealer is ready to assist you with parts orders to complete rebuilds of your equipment.

DO-IT-MYSELF – If you prefer to do the work in-house, your Cat dealer can help you determine your parts needs. One of our experts will utilize Caterpillar Service Information, or can perform a (TA1) visual inspection, or (TA2) technical inspection to help you identify your parts replacement needs.

DO-IT-WITH-ME – In addition to providing parts, your Cat dealer can supplement your repair capabilities with fully trained technicians and specialized tooling that your team may not have.

DO-IT-FOR-ME – Your Cat dealer can manage the replacement of vital wear parts or a complete rebuild. Ask your dealer about an inspection and a repair option plan to meet your needs.

CAT® INSPECT APP PROVIDES QUICK AND EASY DIGITAL INSPECTIONS

Cat Inspect allows you to access your equipment data on your mobile device. This easy-to-use app lets you capture inspection data and integrates with your other Cat data systems, so you can keep a close eye on your fleet.

To get access, speak with your Cat dealer today to start using the Cat Inspect App for your equipment inspections.



LEARN MORE

Find out more about the [Cat Inspect app](#)



PROTECT YOUR INVESTMENT

WITH GENUINE CAT® PARTS

This guide is designed to provide you with a **quick reference for key wear and maintenance parts** and part numbers you need to keep your Cat cold planer operating at peak efficiency. It is not a replacement for the Parts Manual. Always read and understand the machine's Operation and Maintenance Manual prior to performing any type of maintenance.

Proactive preventative maintenance extends the life of your machine and protects your investment. Proper maintenance minimizes the need for repair and replacement. In the event that replacement parts are required, the use of genuine Cat parts helps maximize machine performance and maintains high resale value.

**PURCHASE PARTS
AND OPERATION AND
MAINTENANCE MANUALS
ONLINE 24/7**

<http://catpublications.com/>



5 REASONS TO USE GENUINE CAT PARTS

1. Cat parts are constructed of top-quality materials, built to exact original specifications by our engineers and rigorously tested to ensure maximum performance.
2. Cat parts are precisely matched to other Cat components for an exact fit to deliver greater reliability, durability and longer life.
3. We maintain the largest inventory of replacement parts in the industry to ensure the best possible availability anywhere in the world.
4. By using only Cat parts you maintain your equipment integrity to maximize its resale value.
5. Cat parts come with a 12-month warranty backed by Caterpillar and supported by dealers around the world.

PARTS KITS

Some models offer parts kits that include all of the parts needed for a specific repair or rebuild in addition to part numbers for the individual pieces with the quantity needed. Paper kits contain a compiled list of the part numbers to order for select repairs, rebuilds or upgrades. For complete replacement parts lists, service, and ordering information by machine sales model, contact your local Cat dealer.

CAT SERVICE INFORMATION SYSTEM (SIS)

Cat Service Information System (SIS) is the electronic service tool that covers all information for Cat products from 1977 to today. With 2 million service graphics, 1.5 million parts numbers, and 44,000 parts/service documents, this tool is the equivalent of over 25,000 books a click away!



[WWW.PARTS.CAT.COM](http://www.parts.cat.com)

Register and create your SIS account or shop parts online 24/7



LOCATING THE SERIAL NUMBER AND BUILD NUMBER

Knowing the Serial Number and Build Number (if applicable) for your equipment is important for selecting the correct replacement parts, accessories, upgrades, filters and fluids.

If you are uncertain about which parts to order, your Cat dealer is ready to assist with the ordering process.

1. Each machine has a unique PIN number.

2. The Serial Number is the last 8 characters of the PIN number. PIN plate locations are shown below.

3. Some models will have a Build Number. If your machine has one, it is located above the PIN number field. In some cases, parts or upgrades may only apply to machines with a certain build number. If this exception applies, it will be noted on the part number tables in this document.

Right side of the machine above the front track



PM310, PM312, PM313



PM620, PM622,
PM820, PM822, PM825



ROTORS DESIGNED WITH YOU IN MIND

SAVE TIME AND MONEY

Leveraging Caterpillar's expertise in ground engaging tools and feedback from contractors like you, a new generation of durable and high performance rotors have been developed. You'll get back in the cut faster with our System K rotors with a tapered dual-retention toolholder design that eliminates the need for retaining bolts, pins or setscrews, reducing replacement time by up to 50%.

Reversible kicker paddles increase wear life to save you money on parts.



SYSTEM K ROTORS

Cat System K rotors are built to cover a wide range of milling applications with efficient material flow and an excellent cutting pattern.

Maintaining bits and toolholders is key to achieving maximum productivity, and System K rotors are designed to simplify maintenance and get you back to work faster.

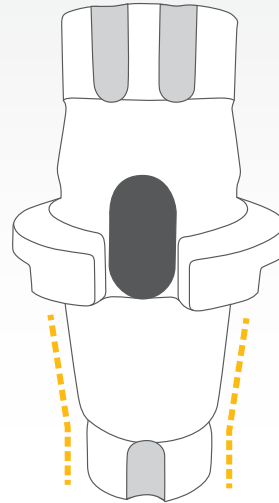
- + Dual-retention toolholders eliminate the need for fasteners, reducing replacement time by up to 50%
- + Bit removal can be done through multiple methods
- + A variety of removal tools specifically for System K rotors help you replace bits and toolholders quickly

ZERO FASTENERS

REPLACE TOOLHOLDERS IN

HALF THE TIME

WITH A FASTENER-FREE DESIGN



ELIMINATES
RETAINING PINS,
BOLTS AND
SETSCREWS

NOTE: COMPARED TO
CAT SYSTEM G TOOLHOLDERS

**EASY TOOTH
REMOVAL**



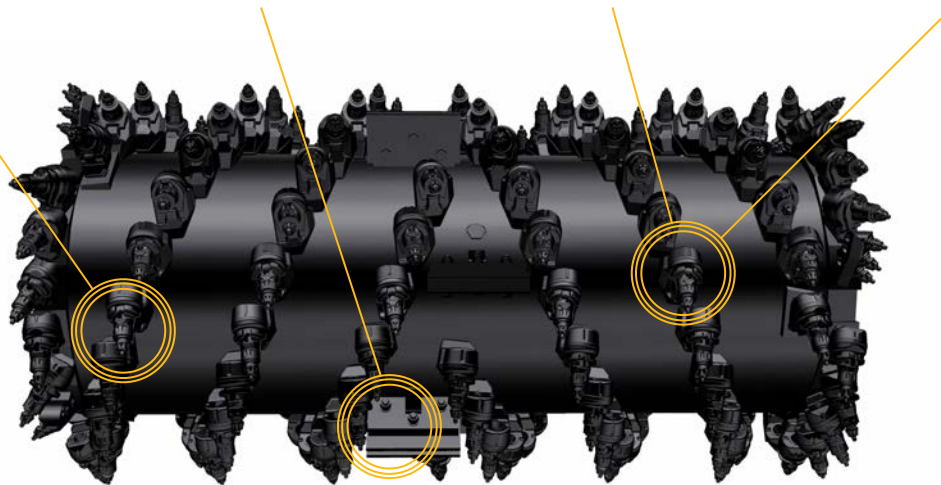
**REVERSIBLE
KICKER PADDLES**



**TAPERED
DUAL-RETENTION DESIGN**



**HIGHLY FEATURED
TOOLHOLDER**





ROTOR APPLICATIONS

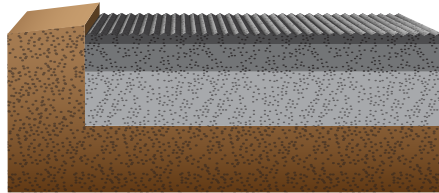
Whether texturing a road or milling an airport runway, we have a rotor that will match your job requirements and help you meet your production goals.

MICRO MILLING

Spacing: 6 mm and 6x2 mm*

Application: Very fine milling finish to meet specific job specifications

Recommended Milling Depth:
0-51 mm (0-2 in)



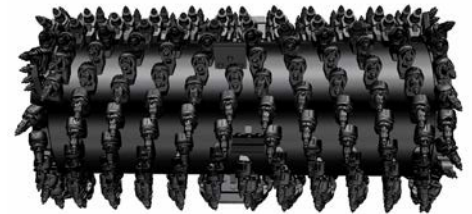
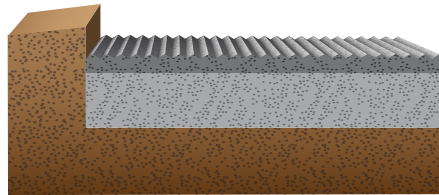
* 6x2 mm rotor is a System H design

FINE MILLING

Spacing: 8 mm, 10 mm**

Application: Fine milling finish for smooth surface removal

Recommended Milling Depth:
0-101 mm (0-4 in)



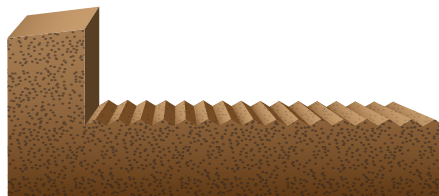
** 10 mm available on the PM622 and PM822 only

STANDARD MILLING

Spacing: 15 mm

Application: Surface removal or complete removal of road surfaces

Recommended Milling Depth:
0-330 mm (0-13 in)

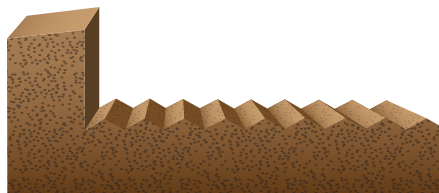


COARSE MILLING

Spacing: 18 mm and 25 mm

Application: Surface removal or complete removal of road surface with a rougher finish

Recommended Milling Depth:
0-330 mm (0-13 in)





ROTOR OPTIONS

MILLING TYPE	MACHINE MODEL	TOOL SPACING (MM)	NUMBER OF BITS	MILLING WIDTH (MM)	PART NUMBER
Micro	PM620, PM820	6	350	2010	575-7463
	PM622, PM822	6	386	2235	575-7467
	PM825	6	431	2505	575-7471
	PM620, PM820	6x2*	672	2010	501-2144*
	PM622, PM822	6x2*	748	2235	511-5050*
Fine	PM310	8	150	1000	567-0886
	PM312	8	172	1225	567-0892
	PM313	8	181	1300	567-0898
	PM620, PM820	8	276	2010	567-0932
	PM622, PM822	8	304	2235	567-0904
	PM825	8	338	2505	567-0907
Standard	PM102	15	91	1000	597-3340
	PM200	15	170	2010	529-7637
	PM200	15	185	2235	594-0222
	PM201	15	180	2100	588-8864
	PM310	15	91	1000	522-0118
	PM312	15	106	1225	522-0127
	PM313	15	111	1300	522-0133
	PM620, PM820	15	170	2010	497-9842
	PM622, PM822	15	185	2235	517-1709
	PM825	15	203	2505	517-0842
Coarse	PM310	18	80	1000	567-0889
	PM312	18	92	1225	567-0895
	PM313	18	98	1300	567-0901
	PM620, PM820	18	150	2010	559-1545
	PM622, PM822	18	162	2235	558-6381
	PM825	18	177	2505	567-2017
	PM620, PM820	25	122	2010	582-7727
	PM622, PM822	25	131	2235	582-8826
	PM825	25	143	2505	582-8830

* 6x2 mm rotor is a System H design



SYSTEM K KICKER PADDLES

MACHINE MODEL	TOOL SPACING	APPLICATION	PART NUMBER
PM310, PM312, PM313	8 mm	Fine	567-0937
	15 mm	Standard	522-0125
	18 mm	Coarse	559-1551
PM620, PM622, PM820, PM822, PM825	6 mm	Micro	567-0937
	8 mm	Fine	559-1551
	15 mm	Standard	540-7967
	18 mm	Coarse	540-7967
	25 mm	Coarse	559-7707

SYSTEM K TOOLHOLDERS

SHANK SIZE	MATERIAL	APPLICATION	PART NUMBER
20 mm	Standard	Universal	583-6054
20 mm	Tough Steel	Abrasive / High Impact	583-6054
22 mm	Tough Steel	Abrasive / High Impact	519-7374
25 mm	Tough Steel	Abrasive / High Impact	519-7373

SYSTEM K BLOCKS AND TRIPLE TREES

APPLICATION	DESCRIPTION	PART NUMBER
Micro, Fine	Left Side Block	606-3852
Micro, Fine	Right Side Block	606-3855
Standard, Coarse	Left Side Block	567-0938
Standard, Coarse	Right Side Block	567-0939
All	End Ring Block	496-3468
All	Left Triple Tree	541-7552
All	Right Triple Tree	541-7553



CARBIDE BITS


PREMIUM CUTTING BITS OPTIMIZE PERFORMANCE TO MAXIMIZE PRODUCTION

- + Body designed to flow material away and prevent material build up
- + Fluted body supports bit rotation for longer tool life
- + Increased collar on body protects the washer and toolholder
- + Puller grooves available on some bits for faster bit removal
- + Valve seat and plug style bits available for high impact applications
- + Variety of tips available to match your application





CARBIDE CUTTER BITS

	APPLICATION	MATERIAL	SHANK SIZE	PULLER GROOVE	PART NUMBER
	Light Duty Milling (Skid Steer)	Soft - Medium Asphalt	20 mm	Yes	561-8134
	Light / Medium Duty Milling	Soft - Medium Asphalt	20 mm	Yes	560-2306
	Light / Medium Duty Milling	Soft - Medium Asphalt	20 mm	No	578-4416
	Medium / Heavy Duty Milling	Medium - Hard Asphalt	20 mm	No	564-1260
	Medium / Heavy Duty Milling	Hard Asphalt	20 mm	No	561-8135
	Concrete Milling	Concrete	20 mm	Yes	561-8132



DIAMOND BITS

REDUCE COSTS AND INCREASE PRODUCTION WITH CAT DIAMOND BITS

For bituminous applications without obstacles such as interstates or motorways, consider Cat Diamond bits designed specifically for System K rotors. Diamond bits stay sharp up to 80 times longer than conventional carbide teeth, keeping your machine focused more on milling and less on bit changes.

WHY CHOOSE DIAMOND BITS

Tips remain sharper over the lifetime of the bit to provide:

- + Increased productivity
- + Consistent cutting pattern
- + Reduced labor for bit service
- + Up to 15% fuel savings

Diamond bits offer more than just long maintenance intervals and increased fuel savings. They can increase the overall wear life of your equipment and dramatically improve the return on your mill investment by helping you to complete jobs faster, month after month.

REDUCE MACHINE WEAR

Diamond bits stay sharper longer than standard carbide bits and reduce vibration, which can increase the life of planetaries, drive shafts, stub shafts, bearings, track pads and moldboard components.

HOW DOES IT WORK?

The non-rotating polycrystalline bits sustain more uniform wear and maintain the gauge length (height) throughout the entire bit life cycle.

FITS MULTIPLE DRUMS

Cat diamond bits are designed to fit almost all major manufacturers drums. See your Cat dealer for all available options.



DIAMOND BITS STAY SHARPER LONGER

TYPICAL 35 g CARBIDE BITS



DIAMOND ASPHALT BITS



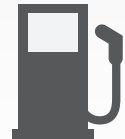
UP TO **40x** LONGER

DIAMOND EXTENDED LIFE BITS



UP TO **80x** LONGER

SAVES UP TO 15% IN FUEL COSTS



Average life and exact tonnage is impacted by local aggregate and operating technique. Diamond Asphalt Bits last up to 40x and Diamond Extended Life Bits last up to 80x the life of typical 35 g carbide bits.



DIAMOND CUTTER BITS

ROTOR SYSTEM	STANDARD DIAMOND	EXTENDED LIFE DIAMOND	INSTALL TOOL	REMOVAL TOOL
Cat® System K	522-7507	522-7508	Hydraulic Tool: 591-1346 Hand Tool: 504-5049	592-3967
Cat System G	491-1472	491-1503	Hydraulic Tool: 509-8707 Hand Tool: 504-5049	473-3836
Cat System J	460-7190	514-5225	473-3838	473-3835
Kennametal KPF-303	460-7189	473-3829	473-3838	473-3838
Keystone Intermediate Sized Bit	514-5246	514-5253	504-5047	504-5048
Sollami Quick Change Drum	460-7191	473-3833	473-3838	473-3837
Wirtgen HT11	460-7192	473-3831		



CAT SYSTEM G
491-1472



CAT SYSTEM K
522-7507



CAT SYSTEM J
460-7190



KENNAMETAL KPF-303
460-7189



KEYSTONE
514-5246



SOLLAMI
460-7191



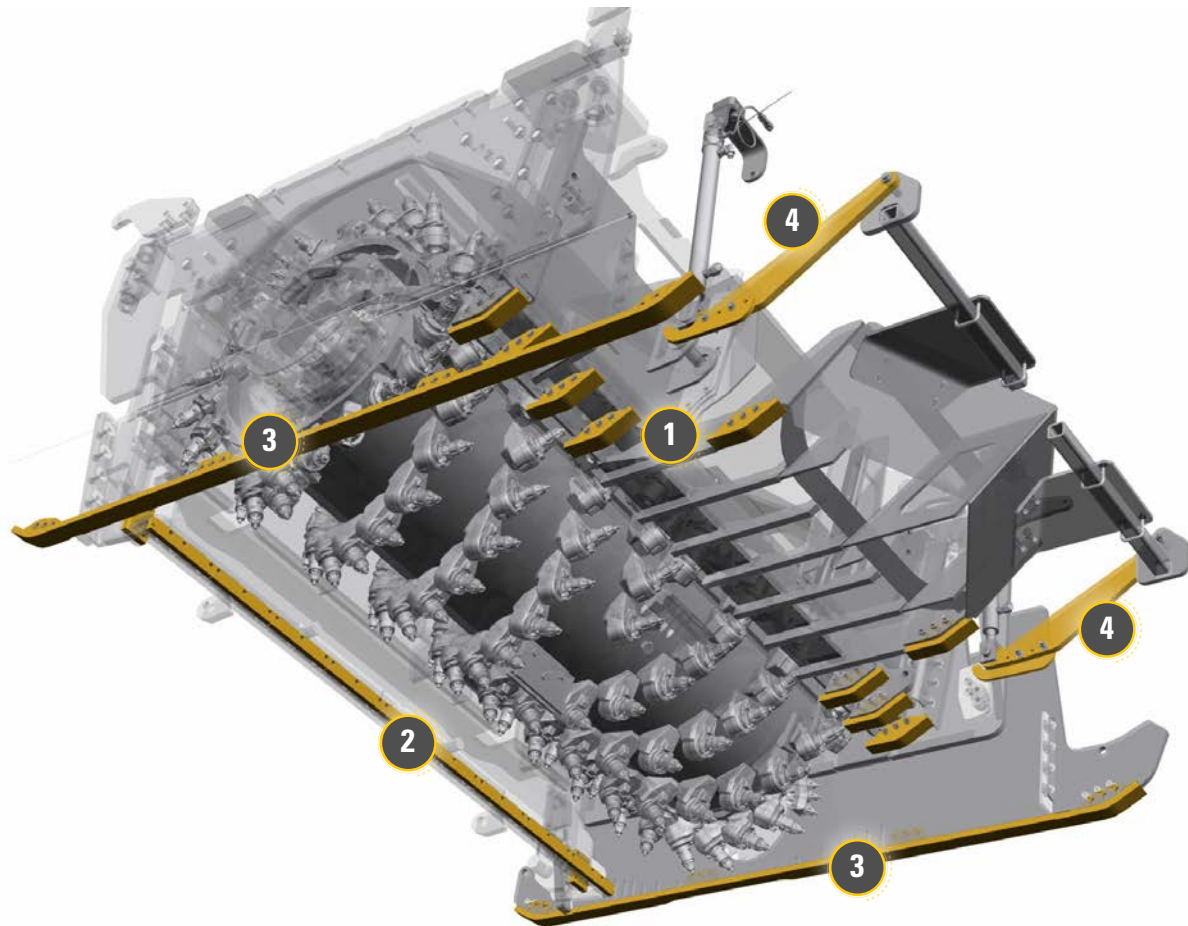
WIRTGEN HT11
460-7192



CUTTING CHAMBER

PRECISE CONTROL

Regularly inspect the surrounding wear components on the cutting chamber to prevent unwanted damage to other major weldments. Periodically measure the plate or carbide thickness to determine remaining life and proactively plan the next maintenance interval. Some components are reversible for extended life and reduced service intervals. The cutting chamber is designed with bolt on wear components for ease of service.



1. ANTI-SLAB WEAR SKIS Made with a wear resistant, carbide overlay for extended life and are reversible for double the life. Regularly inspect and maintain the anti-slab wear skis to ensure proper operation of the anti-slab and prevent large slabs of asphalt from damaging your conveyor system.



2. MOLDBOARD CUTTING EDGES Cat cutting edges are made with carbide inserts aligned to provide a flush milled surface for many hours. Maintain moldboard cutting edges to protect the moldboard door, provide a clean milled surface, and prevent material from leaking out the back of the cutting chamber.



3. SIDEGATE WEAR SKIS Made of heat treated, wear resistant steel to improve the life of the part with bolt on wear ski for ease of service and replacement. Regular maintenance preserves the sidegates and prevents material from leaking out the sides of the cutting chamber.



4. INBOARD GRADE CONTROL WEAR SKI A bolt-on design allows for easy service and replacement. Regular inspection and maintenance of the inboard wear ski is necessary to preserving the inboard system and ensures proper operation of the inboard grade control.



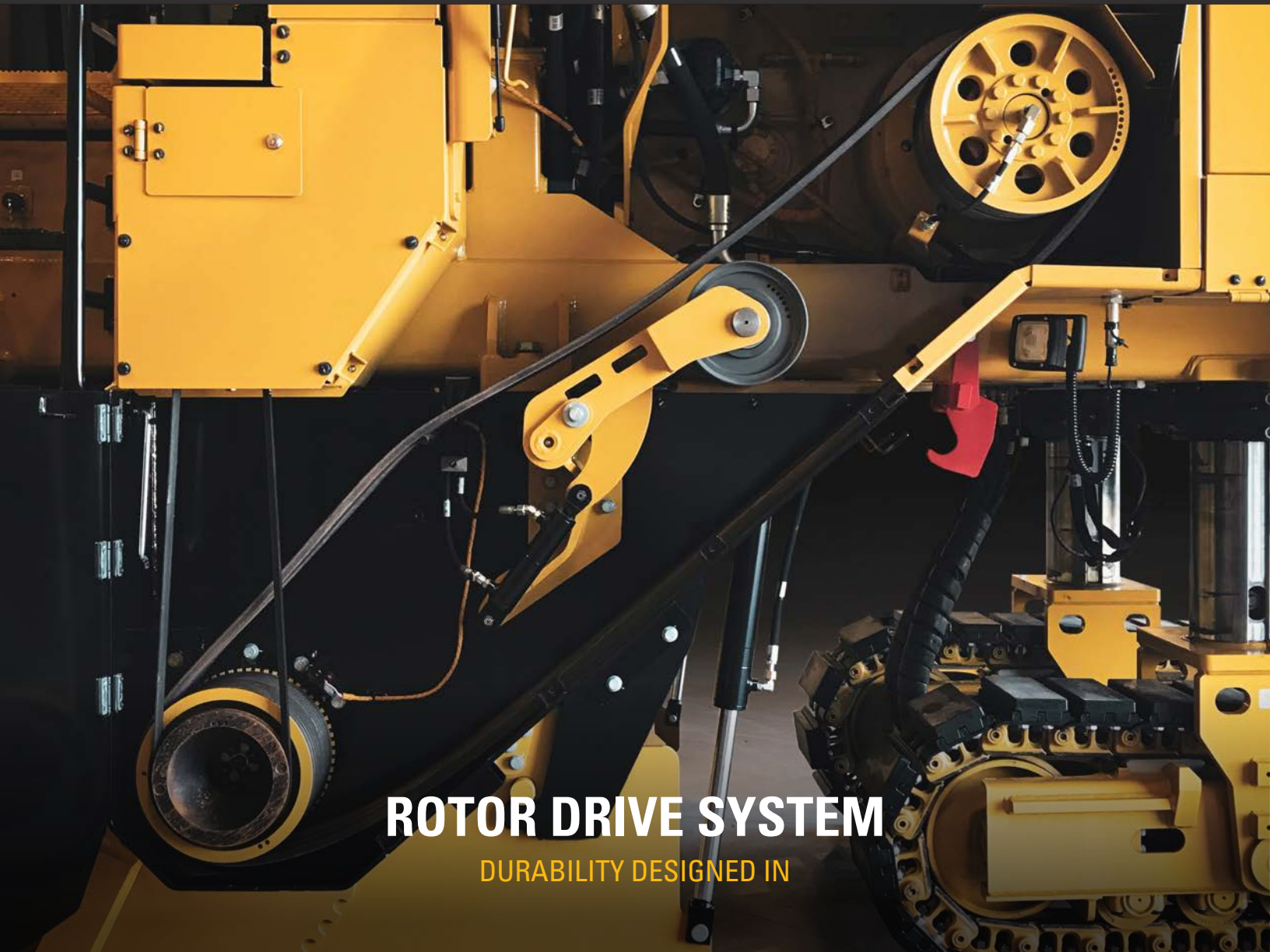
WEAR SKIS

DESCRIPTION	MACHINE MODEL	PAPER KIT PART NUMBER (INCLUDES HARDWARE)	PART NUMBER	QUANTITY
Anti-slab Wear Ski	PM310, PM312, PM313	568-6406	382-4612	3
	PM620, PM820	569-0304		8
	PM622, PM822	569-0305		9
	PM825	569-0306		10
Sidegate Wear Skis	PM310	568-6397	Right – 538-2608	1
			Left – 541-7828	1
	PM312	568-6396	Right – 538-2608	1
			Left – 541-4528	1
	PM313	568-6394	Right – 538-2608	1
			Left – 519-2275	1
	PM620, PM622, PM820, PM822, PM825	569-0298	Right – 562-9317	1
			Left – 609-0969	1
Inboard Wear Ski	PM620, PM622, PM820, PM822, PM825		590-7785	2



MOLDBOARD CUTTING EDGES

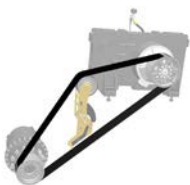
MACHINE MODEL	PAPER KIT PART NUMBER (INCLUDES HARDWARE)	DESCRIPTION	PART NUMBER	QUANTITY
PM310	568-6403	Right	382-4623	1
		Center	382-4624	2
		Left	382-4625	1
		Upper Sides	468-0394	2
PM312	568-6401	Right	382-4623	1
		Center – 222 mm	468-0396	1
		Center – 248 mm	382-4624	2
		Left	382-4625	1
PM313	568-6398	Upper Sides	468-0394	2
		Right	382-4623	1
		Center – 248 mm	382-4624	2
		Center – 297 mm	468-0397	1
PM620, PM820	569-5427 and 569-0300	Left	382-4625	1
		Upper Sides	386-4611	2
		Guide	526-4875	2
		Right	382-4623	1
PM622, PM822	569-5427 and 569-0301	Center	382-4624	6
		Center – 224 mm	386-4528	1
		Center – 248 mm	382-4624	6
		Left	382-4625	1
PM825	569-5428 and 569-0302	Upper Sides	386-4611	2
		Guide	526-4875	2
		Right	382-4623	1
		Center	382-4624	8
PM825	569-5428 and 569-0302	Left	382-4625	1
		Upper Sides	386-4611	2
		Guide	526-4875	2
		Right	382-4623	1



ROTOR DRIVE SYSTEM

DURABILITY DESIGNED IN

Periodically inspect the rotor drive system including the rotor drive belt, pulley system, and sheaves to avoid rotor slippage and ensure efficient rotor operation. Rips, tears, or excessive stretch in the rotor drive belt indicate replacement is necessary. The rotor drive belt comes in a matched set for ease of replacement. Inspect the v-grooves in the sheaves to ensure they are properly engaging with the grooves of the rotor drive belt.



1. ROTOR DRIVE BELT Designed to ensure consistent tension when engaging the rotor and prevent slippage.



2. TENSIONER IDLER Idler on the tensioner arm for the rotor drive belt.



3. SHEAVE Interfaces with v-grooves in rotor drive belt to transfer torque and speed from engine to rotor.



ROTOR TURNING DEVICE BELT Belt designed to ensure efficient operation of the rotor turning device.



ROTOR DRIVE SYSTEM COMPONENTS			
MACHINE MODEL	DESCRIPTION	PART NUMBER	QUANTITY
PM310, PM312, PM313	Rotor Drive Belt	516-6103	2
	Tensioner Idler	482-1262	2
	Sheave – Upper	485-3381	3
	Sheave – Lower	470-6519	1
	Rotor Turning Device Belt*	566-9871	1
PM310	Gearbox	590-0218	1
PM312, PM313	Gearbox	590-0217	1
PM620, PM622	Rotor Drive Belt	526-0883	1
	Gearbox	577-3874	1
	Tensioner Idler	391-0218	1
	Sheave – Upper	382-3748	1
	Sheave – Lower	382-3747	1
	Rotor Turning Device Belt	433-7020	1
PM820, PM822, PM825	Rotor Drive Belt	532-8397	1
	Gearbox	577-3875	1
	Tensioner Idler	495-5118	1
	Sheave – Upper	496-5090	1
	Sheave – Lower	496-5091	1
	Rotor Turning Device Belt	433-7020	1

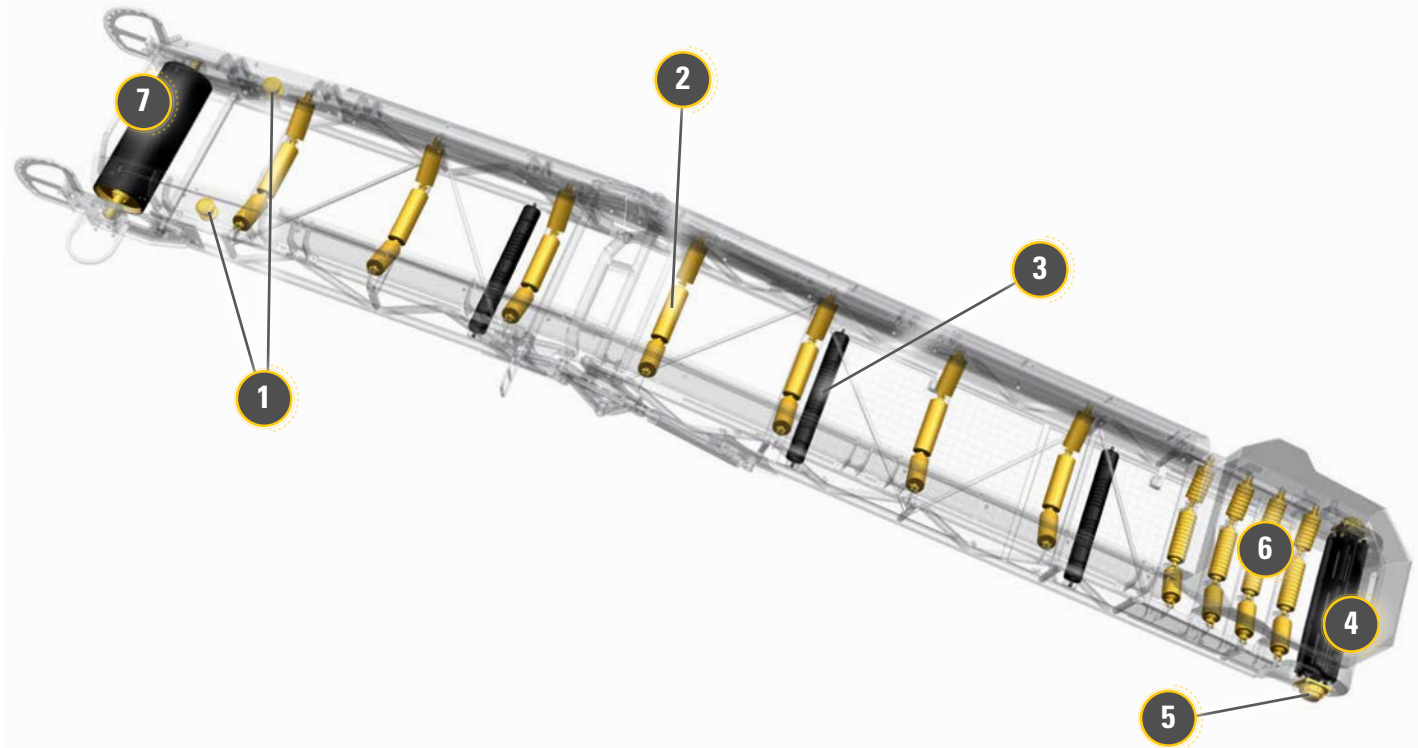
* Available on models with a Build Number of 02B. Build Numbers are listed on the PIN plate of the machine. Please refer to the introduction section of this document for information on how to locate the PIN plate.



CONVEYOR SYSTEM

EFFICIENT MATERIAL REMOVAL

Cat conveyor systems are designed to efficiently move material from the cutting chamber out of the machine. A properly maintained conveyor system is important to the overall functionality of the machine and production of the job site. Regularly maintain and inspect the conveyor rollers and flashing for optimal performance and periodically clean any pick-up stock off of the rollers. Flat spots on rollers may indicate they are seized and need replacement. Adjust the conveyor belt flashing to prevent material from leaking out the sides and replace flashing when adjustment is no longer possible.



1. GUIDE ROLLERS Steel rollers with rubber on the top and bottom creating a channel to guide the conveyor belt with sealed for life bearings.



2. TROUGH ROLLERS Supports the belt in a "U" shape to funnel material to the center of the belt to help prevent spilled material and assist with belt alignment. Equipped with sealed for life bearings.



3. RETURN IDLERS Designed to support the return of the conveyor belt. Steel roller wrapped in vulcanized rubber with built in grooves to resist material build up and prevent excessive wear. Equipped with sealed for life bearings.



4. TAIL PULLEY Wing pulley with welded contact bars to support the conveyor belt and shaft that interfaces with bearings on each side.



5. TAIL PULLEY BEARINGS Supports the tail pulley on both sides. Equipped with end caps to prevent contamination and improve the life of the bearing.



6. BUNK ROLLERS Designed to withstand the impact in the loading area of the conveyors. Equipped with continuous rubber discs creating grooves that prevent material build up and sealed for life bearings.



7. HEAD PULLEY Wrapped in rubber with cross hatched pattern to prevent material build up and resist wear. Equipped with a shaft and spline that interfaces with the conveyor motor.



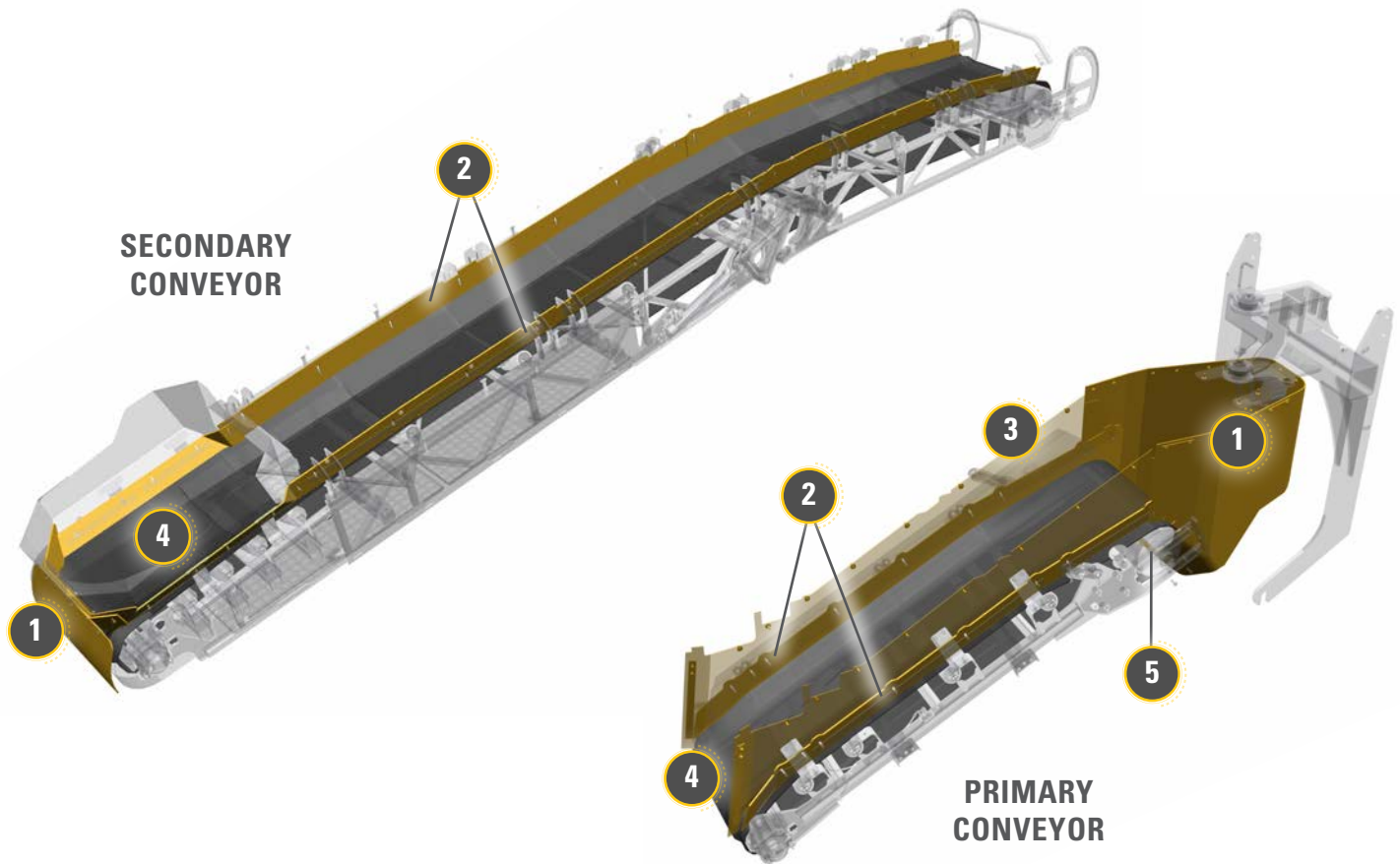
PRIMARY CONVEYOR ROLLERS AND BEARINGS

DESCRIPTION	MACHINE MODEL	PAPER KIT PART NUMBER (INCLUDES HARDWARE)	PART NUMBER	QUANTITY
Trough Rollers	PM310, PM312, PM313	568-6424	541-1679	5
	PM620, PM622, PM820, PM822, PM825	569-2074	622-7362	4
Return Idlers	PM310, PM312, PM313	568-6420	528-5018	1
	PM620, PM622, PM820, PM822, PM825	569-0347	528-5017	2
Guide Rollers	PM310, PM312, PM313	568-6421	541-1678	2
	PM620, PM622, PM820, PM822, PM825	569-2075	541-1678	2
Head Pulley	PM310, PM312, PM313		584-5693	1
	PM620, PM622, PM820, PM822, PM825		573-6380	1
Tail Pulley	PM310, PM312, PM313		386-2406	1
	PM620, PM622, PM820, PM822, PM825		388-9556	1
Tail Pulley Bearings	PM310, PM312, PM313	568-6422	572-1725	2
	PM620, PM622, PM820, PM822, PM825	569-0346	572-1725	2
Complete Roller Kit	PM310, PM312, PM313	568-6423		1
	PM620, PM622, PM820, PM822, PM825	569-0314		1



SECONDARY CONVEYOR ROLLERS AND BEARINGS

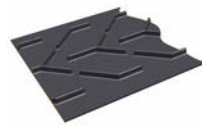
DESCRIPTION	MACHINE MODEL	PAPER KIT PART NUMBER (INCLUDES HARDWARE)	PART NUMBER	QUANTITY
Bunk Rollers	PM310, PM312, PM313	568-6408	541-1681	3
			541-1680	6
	PM620, PM622, PM820, PM822, PM825	569-0351	543-2999	4
			543-3000	8
Trough Rollers	PM310, PM312, PM313	568-6411	541-1679	7
	PM620, PM622, PM820, PM822, PM825	569-0348	543-2998	7
Return Idlers	PM310, PM312, PM313	568-6409	528-5018	3
	PM620, PM622, PM820, PM822, PM825	569-0350	528-5017	3
Guide Rollers	PM310, PM312, PM313	568-6410	541-1678	2
	PM620, PM622, PM820, PM822, PM825	569-5423	541-1678	2
Head Pulley	PM310, PM312, PM313		522-6691	1
	PM620, PM622, PM820, PM822, PM825		573-6380	1
Tail Pulley	PM310, PM312, PM313		386-2406	1
	PM620, PM622, PM820, PM822, PM825		388-9556	1
Tail Pulley Bearings	PM310, PM312, PM313	568-6412	572-1725	2
	PM620, PM622, PM820, PM822, PM825	569-0346	572-1725	2
Complete Roller Kit	PM310, PM312, PM313	568-6413		1
	PM620, PM622, PM820, PM822, PM825	569-0349		1



1. FLASHING Rubber conveyor flashing is designed to prevent material leakage while remaining flexible to allow full mobility of the conveyors. All flashing is bolt on for ease of maintenance.

2. BELT SEALS Conveyor belt seals are designed with slots to allow for adjustment as the flashing wears. Rubber seals are designed to prevent material leakage while remaining flexible to allow full mobility of the conveyors.

3. DEFLECTORS Help retain the material in the conveyor system during operation.



4. CONVEYOR BELTS Conveyor belts are robust and designed to efficiently move material out of the machine. They are made with a multi-ply mold and vulcanized into one continuous loop with 32 mm high chevron cleats that wrap around the belt to help move material. It is recommended to replace the flashing when replacing a belt.

5. APRON Rubber flashing on the PM310, PM312, and PM313 that interfaces with the hopper flashing at the exit of the primary conveyor creating a chute to channel the asphalt into the bunk of the secondary conveyor.



PRIMARY CONVEYOR FLASHING AND BELTS

DESCRIPTION	MACHINE MODEL	PAPER KIT PART NUMBER (INCLUDES HARDWARE)	PART NUMBER	QUANTITY
Deflectors	PM310, PM312, PM313	568-6414	523-4554	1
			523-4555	1
			523-4553	1
			541-4639	2
	PM620, PM622, PM820, PM822, PM825	569-5421	499-2412	2
Belt Seals	PM310, PM312, PM313	568-6415	523-6576	1
			522-9006	1
			582-8228	2
			533-6149	2
	PM620, PM622, PM820, PM822, PM825	569-5422	499-2421	2
Hopper Flashing	PM310, PM312, PM313	568-6416	555-7670	1
			533-6148	1
			555-7671	1
	PM620, PM622, PM820, PM822, PM825	569-5420	500-4804	1
Apron	PM310, PM312, PM313	568-6417	555-7668	2
Conveyor Belts	PM310, PM312, PM313		394-8392	1
	PM620, PM622, PM820, PM822, PM825		524-3168	1



SECONDARY CONVEYOR FLASHING AND BELTS

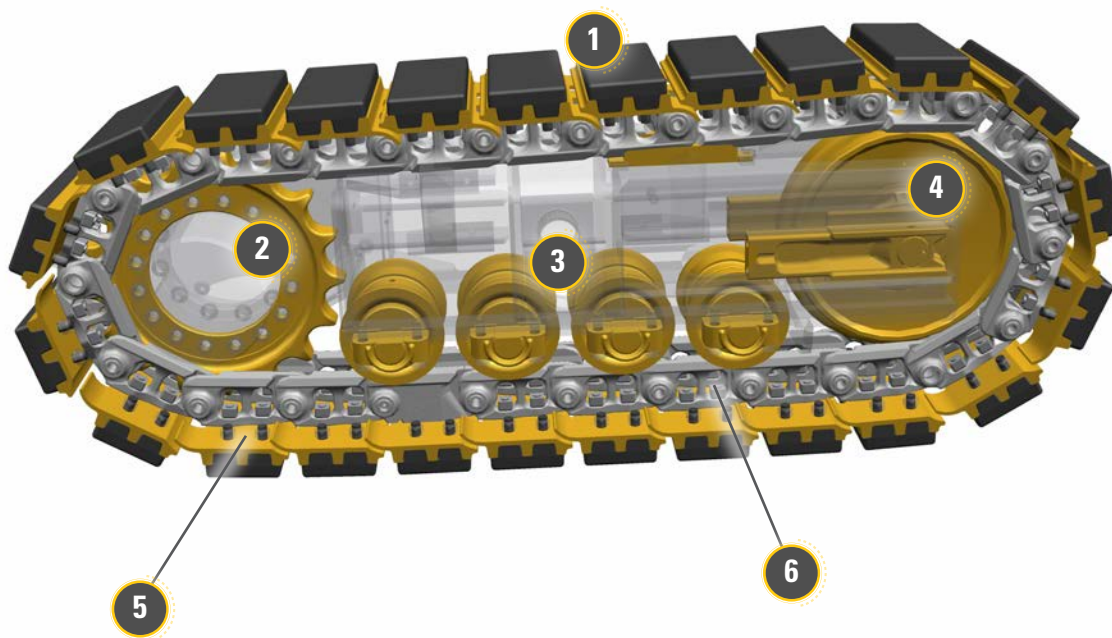
DESCRIPTION	MACHINE MODEL	PAPER KIT PART NUMBER (INCLUDES HARDWARE)	PART NUMBER	QUANTITY
Hopper Flashing	PM310, PM312, PM313		533-6189	1
			533-6181	1
			555-7666	2
			555-7667	1
			533-6183	2
			555-7665	1
	PM620, PM622, PM820, PM822, PM825		533-6179	1
			475-9737	1
			475-9736	2
			475-9738	1
Belt Seals	PM310, PM312, PM313		476-2085	1
	PM620, PM622, PM820, PM822, PM825		520-5965	2
			520-5966	2
			497-8802	2
			497-8802	2
497-8801	2			
Complete Flashing Kit	PM310, PM312, PM313	568-6407		1
	PM620, PM622, PM820, PM822, PM825	569-0313		1
Conveyor Belts	PM310, PM312, PM313		464-0410	1
	PM620, PM622, PM820, PM822, PM825		381-8195	1



TRACK UNDERCARRIAGE

OPTIMAL MANEUVERABILITY AND CONTROL

Cat cold planer undercarriages incorporate many of the track type tractor and excavator undercarriage components to leverage their wear life and performance benefits. Regular inspection of components such as the sprocket, track chain, idler, and rollers help to maintain a uniformly milled surface. Periodically inspect the polyurethane track pads and replace before wearing into the steel track shoe.



1. TRACK PADS Polyurethane track pad designed to optimize wear life and prevent track slippage.



2. SPROCKETS Uniform surface hardening provides the strength needed to transfer the driving loads from the drive motors to the tracks.



3. ROLLERS Equipped with duo-cone seals to eliminate internal wear and provide lifetime lubrication with deep case hardness for long wear life and a high core hardness for strength.



4. IDLERS Hardened to provide proper strength for balanced wear life and lower overall operating costs.



5. TRACK SHOES Triple grouser track shoes interface with the rubber track pads for optimal track pad retention.



6. TRACK CHAIN Sophisticated heat-treat processes provide resistance to wear against the track roller tread and flange for balanced wear life. Cat pin and bushing bores are machined to very close tolerances for superb pin and bushing retention.



UNDERCARRIAGE COMPONENTS

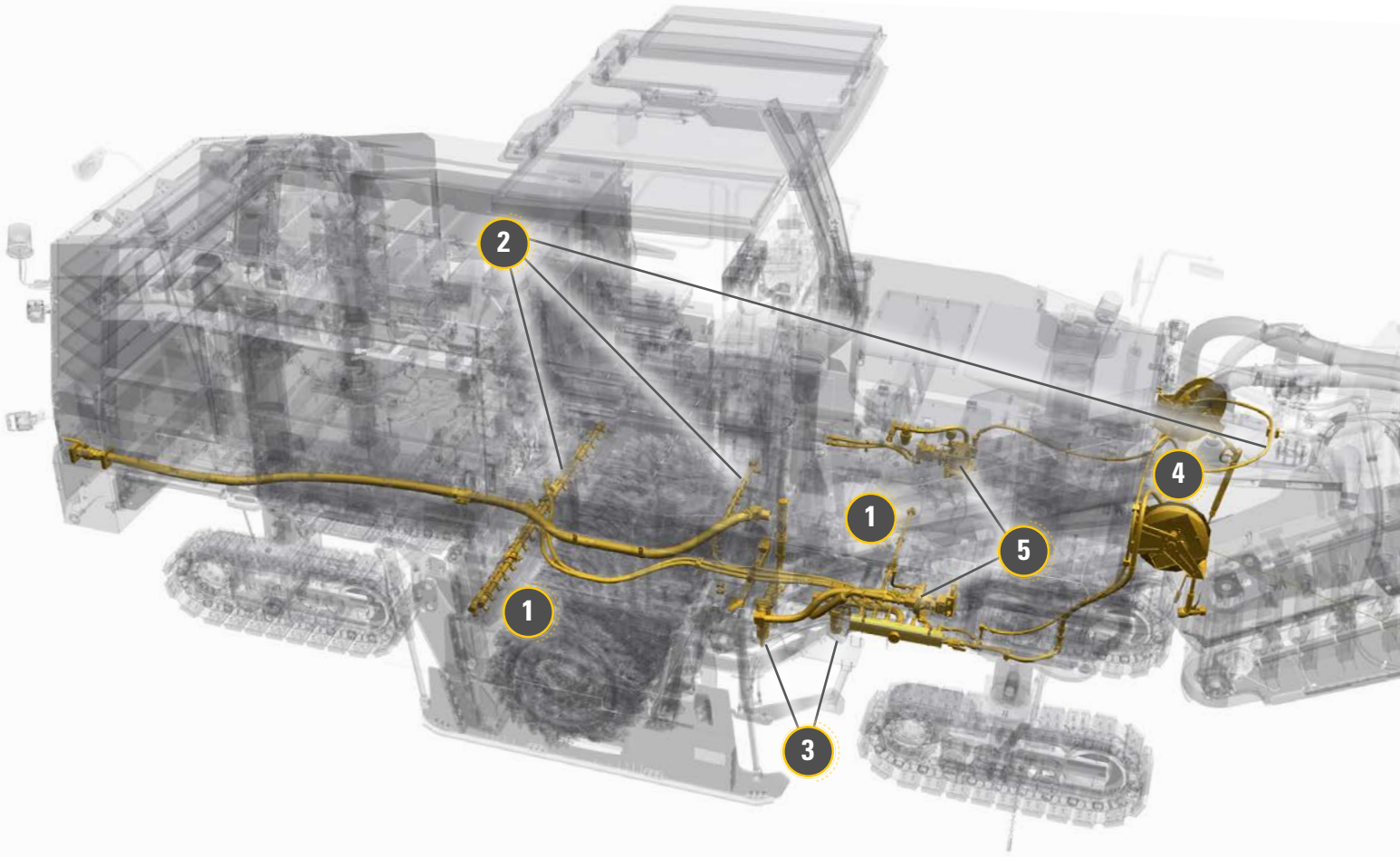
DESCRIPTION	MACHINE MODEL	PAPER KIT PART NUMBER (INCLUDES HARDWARE)	PART NUMBER	QUANTITY / UNDERCARRIAGE
Track Pads	PM310, PM312, PM313 – Rear	569-5441	561-4358	20
	PM310, PM312, PM313 – Front	569-5444	540-0149	18
	PM620, PM622, PM820, PM822, PM825	569-0297	540-0150	24
Track Shoes	PM310, PM312, PM313 – Rear	569-5442	478-8217	20
	PM310, PM312, PM313 – Front	569-5443	478-8217	18
	PM620, PM622, PM820, PM822, PM825	569-5431	383-6914 Master – 385-7548	23 1
Rollers	PM310, PM312, PM313 – Rear	568-6392	480-4148	3
	PM310, PM312, PM313 – Front	568-6390	480-4148	2
	PM620, PM622, PM820, PM822, PM825	569-5432	497-8871	4
Sprocket	PM310, PM312, PM313	568-6388	471-4156	1
	PM620, PM622, PM820, PM822, PM825	569-5433	383-4240	1
Idlers	PM310, PM312, PM313	569-5445	471-8011	1
	PM620, PM622, PM820, PM822, PM825	569-5434	567-8554	1
Wear Pads	PM310, PM312, PM313	569-5446	476-0984	2
	PM620, PM622, PM820, PM822, PM825	569-5435	385-9196	2
Track Chain	PM310, PM312, PM313		481-2481	1
	PM620, PM622, PM820, PM822, PM825		383-4239	1



SPRAY SYSTEMS

IMPROVES COMPONENT WEAR LIFE AND DUST SUPPRESSION

The spray systems cool components to prolong their wear life and assist with dust suppression. To keep the system clean, replace the filters according to recommended service intervals. Frequently clean the spray bars and nozzles to ensure proper operation and periodically inspect them for damage and clogs.



1. WATER SPRAY BARS Positioned on the machine to cool components to optimize wear life and dust suppression.

2. OPTIONAL WATER SPRAY BARS The PM620, PM622, PM820, PM822 and PM825 may include two additional spray bars plus additional nozzles as a factory-installed option.



3. WATER SPRAY FILTERS Filter the water to prevent clogs and keep the system clean.



4. WATER HOSE REELS For the high and low pressure machine wash down systems. Low (right side), High (left side)



5. WATER SPRAY PUMPS Optimized for Cat cold planer spray systems.



SPRAY NOZZLES Deliver an optimal spray pattern to cool components.



WATER INLET BASKET STRAINER Filter to prevent debris from contaminating the water system.



WASHDOWN AND DUST REDUCTION

DESCRIPTION	MACHINE MODEL	DETAIL	PART NUMBER	QUANTITY	GROUP PART NUMBER (INCLUDES HARDWARE)
Low Pressure Washdown	PM310, PM312, PM313	Water Nozzle	398-8499	1	544-2811
	PM620, PM622, PM820, PM822, PM825	Hose Reel	572-4963	1	591-6023
		Water Nozzle	398-8499	1	
High Pressure Washdown	PM310, PM312, PM313	Water Pump	538-1148	1	577-6255
		Spray Gun	398-6440	1	
		Spray Lance	488-1394	1	
		Spray Tip	488-1395	1	
	PM620, PM622, PM820, PM822, PM825	Water Pump	538-1148	1	374-6811
		Water Filter	161-8211	1	
		Hose Reel	388-3713	1	
		Spray Gun	398-6440	1	
		Spray Lance	488-1394	1	
		Spray Tip	488-1395	1	
Dust Reduction Spray System	PM310, PM312, PM313	Spray Bar	529-8714	1	421-9634
		Spray Bar	529-8712	1	
		Nozzle	517-7244	6	
		Clamp	390-7635	6	
	PM620, PM820	Spray Bar	595-2230	1	594-4055
		Spray Bar	581-8851	1	
		Nozzle	478-2767	24	
		Clamp	478-2766	24	
	PM622, PM822	Spray Bar	595-2257	1	594-4054
		Spray Bar	581-8851	1	
		Nozzle	478-2767	26	
		Clamp	478-2766	26	
	PM825	Spray Bar	595-2276	1	594-4057
		Spray Bar	581-8851	1	
		Nozzle	478-2767	28	
		Clamp	478-2766	28	



CHAMBER SPRAY ARRANGEMENT

DESCRIPTION	MACHINE MODEL	DETAIL	PART NUMBER	QUANTITY	GROUP PART NUMBER (INCLUDES HARDWARE)
Pump and Conveyor Spray Bar	PM310, PM312, PM313	Water Pump	545-6062	1	381-6468
		Water Filter	490-5490	1	
		Spray Bar	529-8646	1	
		Nozzle	517-7244	2	
		Clamp	390-7635	2	
Conveyor Spray Bar	PM620, PM622, PM820, PM822, PM825	Spray Bar	629-9597	1	568-0080
		Nozzle	478-2767	2	
		Clamp	390-7635	2	
Water Pump and Filters	PM620, PM622, PM820, PM822, PM825	Water Pump	542-1233	1	595-6620
		Water Filter	490-5490	1	
		Water Filter	563-3119	1	
		Screen	390-7765	1	
Chamber Spray Bar	PM310	Spray Bar	524-3063	2	381-6667
		Nozzle	478-2767	10	
		Clamp	390-7635	10	
	PM312	Spray Bar	524-3064	2	381-6672
		Nozzle	478-2767	12	
		Clamp	390-7635	12	
	PM313	Spray Bar	524-3065	1	381-6677
		Spray Bar	524-3063	1	
		Nozzle	478-2767	13	
		Clamp	390-7635	13	
	PM620, PM820	Spray Bar	595-2230	1	381-6672
		Nozzle	478-2767	18	
		Clamp	478-2766	18	
	PM622, PM822	Spray Bar	595-2241	1	381-6672
		Nozzle	478-2767	20	
Clamp		478-2766	20		
PM825	Spray Bar	595-2274	1	381-6672	
	Nozzle	478-2767	22		
	Clamp	478-2766	22		



GRADE CONTROL

PRECISE AND REPEATABLE CUTTING RESULTS

The integrated Cat GRADE with Grade and Slope system for cold planers takes the guesswork out of producing accurate and repeatable cutting results. Contacting (side plate or inboard ski) and non-contacting (sonic) sensors provide multiple grade references for milling accuracy. Consoles can be installed at the operator station and on either side or rear of the machine for ground level access (locations vary by model).



1. SONIC SENSORS Optional sonic sensors can be mounted on the side of the machine for grade control reference.

2. INBOARD SKI SYSTEM Optional inboard ski can be used as an additional reference point for the grade control system.



3. DISPLAYS Touchscreen displays can be mounted on the side or back of the machine or in the operator station to operate the grade control system (locations vary by model).

4. CONTROLLER Cat controller required for operation with the grade control system.

Cat GRADE with Grade and Slope for cold planers allows milling operators to achieve accurate and repeatable cutting results to provide a smooth base for any project. Contacting (side plate or inboard ski) and non-contacting (sonic) sensors provide multiple grade references. Seamlessly swap between multiple grade sensors for uninterrupted accuracy during milling.



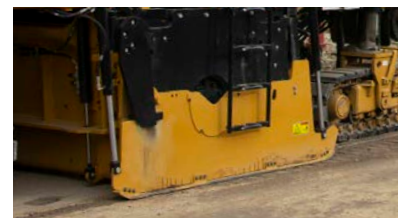
SONIC SENSORS

Sensors have five transducers, discard the high and low readings and use the remaining three for a true average reading



INBOARD SKI

Position-sensing inboard ski cylinder



SIDE PLATES

Position-sensing side plate cylinders



GRADE AND SLOPE SYSTEM

DESCRIPTION	MACHINE MODEL	DETAIL	PART NUMBER	QUANTITY
Sonic Sensors	PM310, PM312, PM313, PM620, PM622, PM820, PM822, PM825	Sonic Sensor	541-2488	2
		Harness	360-6702	2
		Carrying Case	492-8121	1
Inboard Ski System	PM620, PM622, PM820, PM822, PM825	Wear Ski	590-7785	2
		Mounting Plate	590-5067	2
		Cylinder	390-5232	2
Displays	PM310, PM312, PM313, PM620, PM622, PM820, PM822, PM825	Display	387-9468*	1
	PM310, PM312, PM313	Display – Operator Platform	381-7318*	1
Display Harness	PM310, PM312, PM313	Coiled Harness	528-5461	1
	PM620, PM622, PM820, PM822, PM825	Coiled Harness	519-7973	1
Grade and Slope Controller	PM310, PM312, PM313, PM620, PM622, PM820, PM822, PM825	Control	449-2017	1
		Sensor – Internal	433-6936	1

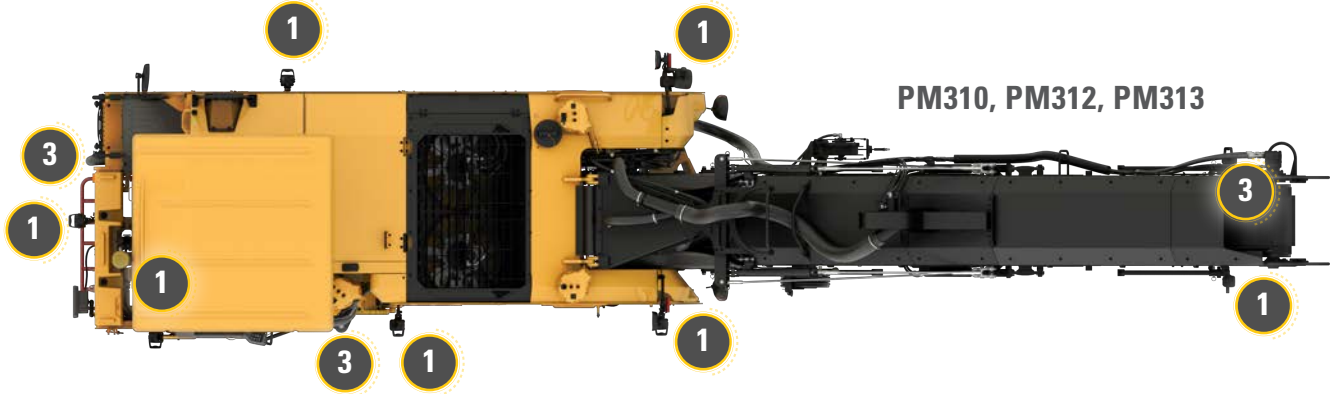
* Available with a miscellaneous sales order (MSO). Please contact your Cat dealer to order.



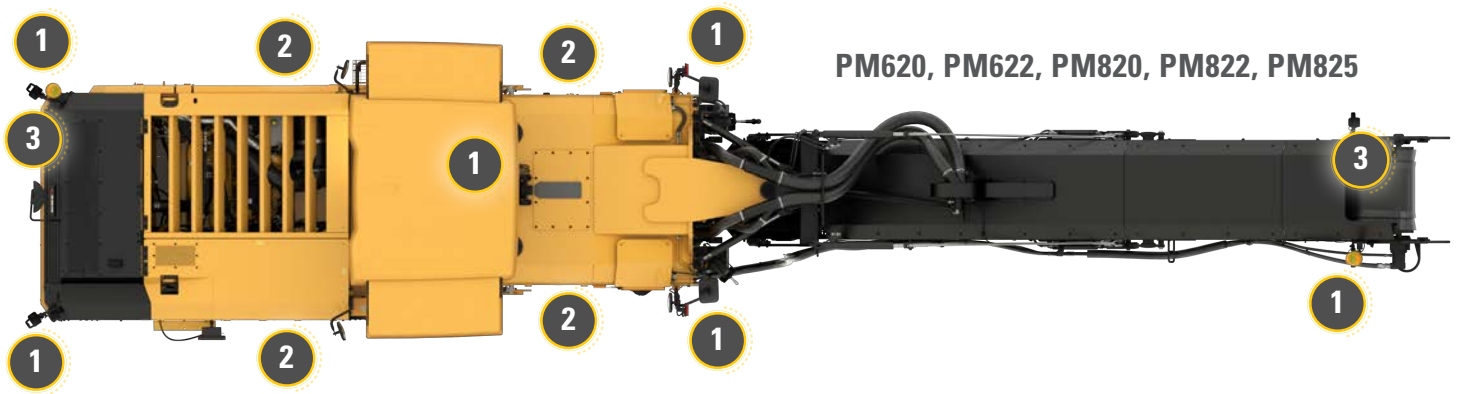
ENHANCE VISIBILITY WITH LIGHTING AND CAMERAS

Upgrade your Cat cold planer with lighting packages and camera options.

Optional remote cameras enhance visibility to the cutting edge and conveyor as well as provide visibility to the rear of the machine. Lighting options are available for replacement or to add to the machine for better illumination around the machine during operation.



PM310, PM312, PM313



PM620, PM622, PM820, PM822, PM825



1. LIGHTING Various lighting options available to illuminate the machine during operation and maintenance.



2. PERIMETER LIGHTS Optional perimeter lights for additional illumination around the base of the machine. Perimeter lights are not available on all models. **Please check machine PIN plate to identify which models are available with this lighting package.**



3. CAMERAS Improve visibility around the machine. Options and locations vary by machine model.



MIRRORS Attached at various locations around the machine for proper visibility.

**LIGHTING**

DESCRIPTION	MACHINE MODEL	DETAIL	PART NUMBER	QUANTITY
Hazard Lights	PM310, PM312, PM313, PM620, PM622, PM820, PM822, PM825	Hazard Light – Mounted on Conveyor and Rear	371-2241	2
	PM620, PM622, PM820, PM822, PM825	Hazard Light – Canopy	378-6901	2
Truck Signal Lights	PM310, PM312, PM313, PM620, PM622, PM820, PM822, PM825	Truck Signal Light – Red	334-8049	2
		Truck Signal Light – Green	321-7871	2
Lamps	PM310, PM312, PM313	Right Head Lamp with Signal	344-3455	1
		Left Head Lamp with Signal	344-3456	1
		Rear Signal Lamp	392-4634	2
		Basic Lamp – License Plate	259-0134	1
		Flood Lamp – Magnetic Mount	594-8849	1
	PM620, PM622, PM820, PM822, PM825	LED Lamp – Pole Mount	594-5646	8
		LED Lamp – Pole Mount	560-1697	10
		LED Lamp – Magnetic Mount	594-8849	1
		Halogen Flood Lamp – Bracket Mounted	219-6485	4
		LED Flood Lamp – Bracket Mounted	601-2214	4
Canopy Lights*	PM620, PM622, PM820, PM822, PM825	Head Lamp – Front and Rear	579-5750	10
		LED Canopy Light Bar	579-7213	4
LED Perimeter Lights*	PM620, PM622, PM820, PM822, PM825	84 cm (33 in) LED Light Bar	568-7859	2
		56 cm (22 in) LED Light Bar	568-7862	3
		43 cm (17 in) LED Light Bar	568-7863	5

* Available on models with a Build Number of 02B. Build Numbers are listed on the PIN plate of the machine. Please refer to the Introduction portion of this document for more information on locating PIN plates.

MIRRORS

MACHINE MODEL	DESCRIPTION	PART NUMBER
PM310, PM312, PM313	Front and Rear Mirror	220-4050
PM620, PM622, PM820, PM822, PM825	Front and Operator Platform Mirror	215-4809
	Rear Mirror	471-4223



CAMERAS

MACHINE MODEL	DESCRIPTION	DETAIL	PART NUMBER	QUANTITY
PM310, PM312, PM313	Rear Camera	Camera Group	336-6684	1
		Cable Assembly	283-0658	1
		Camera Bracket	488-5576	1
	Conveyor Camera	Camera Group	336-6684	1
		Cable Assembly	283-0658	2
		Camera Bracket	394-2675	1
	Left Hand Drum Edge Camera	Camera Group	336-6684	1
		Cable Assembly	251-8248	1
		Flood Lamp	576-5030	1
		Bracket	543-0458	1
		Bracket	543-0459	1
	Remote Camera	Camera Group	336-6684	1
		Cable Assembly	283-0657	1
		Harness Assembly	398-1930	1
		Magnetic Bracket	418-0232	1
	Cut Tracking Camera	Camera Group	336-6684	1
Cable Assembly		283-0657	1	
Bracket		555-7688	1	
Bracket		593-2552	1	
PM620, PM622, PM820, PM822, PM825	Rear Camera	Camera Group	336-6684	1
		Camera Bracket	396-9665	1
		Harness Assembly	398-1930	1
	Conveyor Camera	Camera Group	336-6684	1
		Camera Bracket	394-2675	1
		Harness Assembly	398-1930	1
		Cable Assembly	274-4477	1
	Remote Camera	Camera Group	336-6684	1
		Cable Assembly	283-0659	1
		Harness Assembly	398-1930	1
		Magnetic Bracket	418-0232	1



PREVENTATIVE MAINTENANCE FOR PEAK PERFORMANCE

Regular preventative maintenance to the engine, hydraulics, fuel and rotor systems is key to keeping your equipment running during the milling season. ***Please refer to your Operation and Maintenance Manual for recommended maintenance intervals and procedures.*** The following tables include common filters and components needed to perform regular service on your equipment.



PM310, PM312, PM313 PREVENTATIVE MAINTENANCE

INTERVAL (HOURS)	SUBSYSTEM	DESCRIPTION	SERIAL NUMBER PREFIX	PART NUMBER	QUANTITY
500	Engine	Serpentine Belt	DK9, J63, JHZ, KWA, LJ9, NA9, NJX, NM9, NMA, RH8	374-8493	1
		Advanced Efficiency Engine Oil Filter	NA9, NJX, NM9, NMA, RH8	1R-1808	1
		Fuel / Water Separator Filter Element	DK9, J63, KWA, LJ9, NA9, NMA, RH8	500-0481	1
			NM9, NJX, JHZ	436-7077	1
	Fuel	Fuel Tank Strainer	DK9, J63, JHZ, KWA, LJ9, NA9, NJX, NM9, NMA, RH8	9P-7121	1
		Secondary Fuel Filter	DK9, J63, JHZ, KWA, LJ9, NA9, NJX, NM9, RH8	500-0480	1
	Rotor	Rotor Drive Belt	DK9, J63, JHZ, KWA, LJ9, NA9, NJX, NM9, NMA, RH8	516-6103	2
		Rotor Turning Device Belt	J63, JHZ, LJ9, NJX, NM9, RH8	566-9871	1
		Rotor Drive Belt with Rotor Turning Device	J63, JHZ, LJ9, NJX, NM9, RH8	571-0404	2
	1000	Hydraulics	Breather Assembly		207-5997
Advanced Efficiency Hydraulic Filter			DK9, J63, JHZ, KWA, LJ9, NA9, NJX, NM9, NMA, RH8	389-1085	1
Standard Efficiency Hydraulic Filter				054-1719	1
2000	Fuel	Fuel Tank Cap Filter Kit	DK9, J63, JHZ, KWA, LJ9, NA9, NJX, NM9, NMA, RH8	350-7735	1
3000	Engine	Coolant Temperature Regulator	DK9, J63, JHZ, KWA, LJ9, NA9, NJX, NM9, NMA, RH8	318-0004	1
		Isolation Seal	NA9, NJX, NM9, NMA, RH8	260-0113	1
5000	Engine	Exhaust Fluid Injector Gasket Assembly		418-2073	1
	DEF	DEF Injector Assembly	JHZ, NJX, NM9, NMA	485-9752	1
		Standard Efficiency DEF Fuel Filter		378-3187	1
6000	Engine	Diesel Particulate Filter Band Clamp	DK9, J63, JHZ, KWA, LJ9, NA9, NJX, NM9, NMA, RH8	346-0335	1
10000	DEF	DEF Manifold Filter Gasket	JHZ, NJX, NM9, NMA	391-5262	1
		DEF Manifold Filter Assembly	JHZ, NJX, NM9, NMA	506-5818	1
		DEF Manifold High Debris Filter Sock	JHZ, NJX, NM9, NMA	584-8137	1
		Standard Efficiency DEF Fuel Filter	JHZ, NJX, NM9, NMA	584-8137	1
When Required	Engine	Primary Air Filter Element	DK9, J63, JHZ, KWA, LJ9, NA9, NJX, NM9, NMA, RH8	220-0454	1
		Secondary Air Filter Element	NA9, NJX, NM9, NMA, RH8	142-1403	1



PM620, PM622, PM820, PM822, PM825 PREVENTATIVE MAINTENANCE

INTERVAL (HOURS)	SUBSYSTEM	DESCRIPTION	SERIAL NUMBER PREFIX	PART NUMBER	QUANTITY
500	Engine	Serpentine Belt	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	357-2890	1
		Engine Oil Filter Element	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, LB8, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	500-0483	1
		Fuel / Water Separator Filter Element	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, LB8, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	436-7077	1
		Advanced Efficiency Engine Oil Filter	JB9, JCF, JFC, LH9	1R-1808	1
	Fuel	Advanced Efficiency Fuel Filter	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	1R-0749	1
		Fuel Filter Element	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, LB8, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	500-0480	1
		Advanced Efficiency Fuel / Water Separator	JB9, JCF, JFC, LH9	326-1643	1
1000	Hydraulics	Advanced Efficiency Hydraulic Filter	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	376-1288	1
		Breather Assembly	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	207-5997	1
		Hydraulic Oil Return Filter	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	376-1286	1
2000	Engine	Engine Oil Filter Housing Assembly	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, LB8, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	500-0482	1
	Fuel	Fuel Tank Cap Filter Kit	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	350-7735	1
	Hydraulics	Pump Drive Oil Breather	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	258-2829	1
		Advanced Efficiency Hydraulic Oil Filter	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	389-1085	1

Continued



PM620, PM622, PM820, PM822, PM825 PREVENTATIVE MAINTENANCE

INTERVAL (HOURS)	SUBSYSTEM	DESCRIPTION	SERIAL NUMBER PREFIX	PART NUMBER	QUANTITY
3000	Engine	Isolation Seal	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	242-9537	1
		Water Temperature Regulator Seal	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	341-1429	1
		Water Temperature Regulator Lip Seal	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	3S-9643	2
		Coolant Temperature Regulator	3C6, AK5, AN8, E8S, EE2, ESE, FG4, H6S, JB9, JFC, LB8, SL8, TLZ, TPH, XS6	248-5513	2
			626, 627, 8RF, EL6, HN8, JCF, RL3	247-7133	1
5000	Engine	Exhaust Fluid Injector Gasket		418-2073	1
	DEF	Standard Efficiency DEF Fuel Filter	E8S, EE2, FG4, JB9, JFC, LB8, LH9, TPH, XS6	378-3187	1
		DEF Injector Assembly	E8S, EE2, FG4, JB9, JFC, LB8, LH9, TPH, XS6	485-9752	1
		DEF Filter Clamp	E8S, EE2, FG4, JB9, JFC, LB8, LH9, TPH, XS6	371-1871	1
6000	Engine	Cat ELC Coolant Extender	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	119-5152	2
		Coolant Conditioner Test Kit	3C6, 626, 627, 8RF, AK5, AN8, E8S, EE2, EL6, ESE, FG4, H6S, HN8, JB9, JCF, JFC, LB8, LH9, RL3, SL8, TLZ, TPH, XS6, YLA, YLB, YLC, YLD, YLF	4C-9301	1
10000	DEF	DEF Manifold Gasket		391-5262	1
		DEF Manifold Filter Assembly	E8S, EE2, FG4, JB9, JFC, LB8, LH9, TPH, XS6	506-5818	1
		DEF Manifold High Debris Filter Sock	E8S, EE2, FG4, JB9, JFC, LB8, LH9, TPH, XS6	584-8142	1
		Standard Efficiency DEF Fuel Filter	E8S, EE2, FG4, JB9, JFC, LB8, LH9, TPH, XS6	584-8137	1



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- + Monitor and reduce idle time and fuel burn
- + Eliminate assets that aren't earning their keep
- + Manage service to avoid downtime

IMPROVE OPERATOR PERFORMANCE

- + Improve operator performance by identifying training opportunities
- + Compare individuals' productivity and idle time numbers to motivate improvement

RUN A SAFE OPERATION

- + Know when unsafe actions occur, even when you're not there
- + Act quickly to prevent accidents and identify training opportunities



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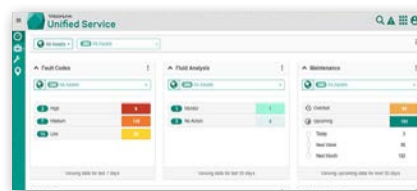
FLEET MANAGEMENT



UNIFIED FLEET: Manage fleet location and ensure assets are fueled and operating

- + Location
- + Hours
- + Idle time
- + Fuel utilization
- + Asset status and operation

MAINTENANCE MANAGEMENT



UNIFIED SERVICE: Manage equipment health, plan downtime for maintenance and ensure inspections are documented

- + Equipment health
- + Fault codes
- + Fluid analysis
- + Inspections documentation
- + Maintenance functions

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- + Payload and volume
- + Cycle monitoring
- + Project productivity
- + Consolidated view

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QEXQ3131 (11/2022)
Replaces QEXQ2832

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