

Filters

1. Features

To allow the machine to display its maximum performance and to extend its service life to the full

However good a machine may be, if it is used in conditions of dusty air or dirty oil, or if the fuel contains dirt or water, it will not be able to demonstrate or maintain the expected performance. The air cleaner and filters act to remove any harmful dirt, dust, wear particles, or other items, and to provide a good working

environment. Among the daily maintenance items, there is a surprising tendency to place little importance on the handling of the air cleaner and filters, but this may well be because of their simple structure. Please do not forget that despite their simplicity, the air cleaner and filters play a vital role.

Engine Filters

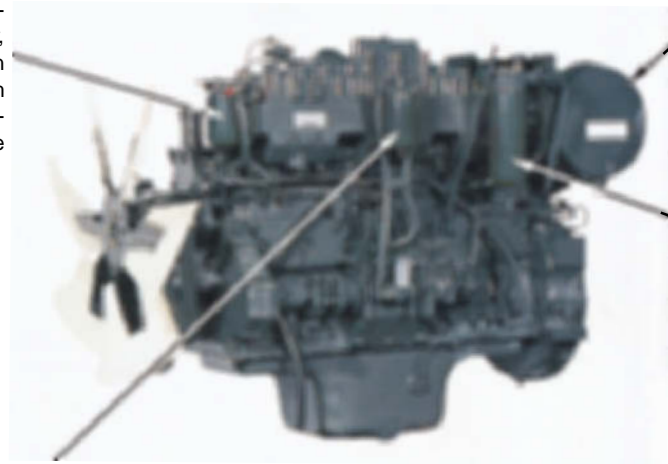
Corrosion Resistor

The scale and dirt in the cooling water collects at places where the water flow is slow, and lowers the cooling effect. In extreme cases, it may even block the water line.

Corrosion resistors act to suspend the magnesium and calcium, which are the main components of scale. In this way, they prevent the scale from sticking to the liner heads. In addition, the corrosion resistors form a hard protective film on the surfaces in contact with the cooling water. This prevents direct contact by air bubbles with the liners, and the liner heads from corrosion.

Fuel Filter

The fuel also acts to lubricate the injection pump. The injection pump and injection nozzle are machined to extremely high precision. If there is any dirt or moisture in the fuel flowing through the injection pump or nozzle, it will cause seizure of the injection pump or clogging of the nozzle. The fuel filter removes this dirt or moisture, and supplies clean fuel to maintain engine performance and extend engine life to the maximum.



Hydraulic Filters

Hydraulic filters are the filters used in the torque converter, transmission, steering, and hydraulic circuits of the machine. The feature of these circuits is that the pressure and oil temperature are both high. Hydraulic filters act to remove the metal particles caused by wear of the sliding parts in the torque converter, transmission, and other parts of the power train, together with wear particles from the lining inside the steering and brake circuits, and the dirt and dust in the circuit. In this way, they ensure that clean oil is sent to the valves and actuators.

In these circuits, the oil passes through small orifices, and the oil pressure is finely adjusted, so clean oil is essential.



Air Cleaner

If the engine sucks in the dust in the air, there will be serious wear of the cylinders and piston rings which will result in lack of power and black exhaust smoke. At the same time, it will cause other problems such as high oil consumption. The air cleaner acts to filter out this dust, and to provide clean air to the engine, thereby maintaining engine performance and also extending engine life.

Oil Filter

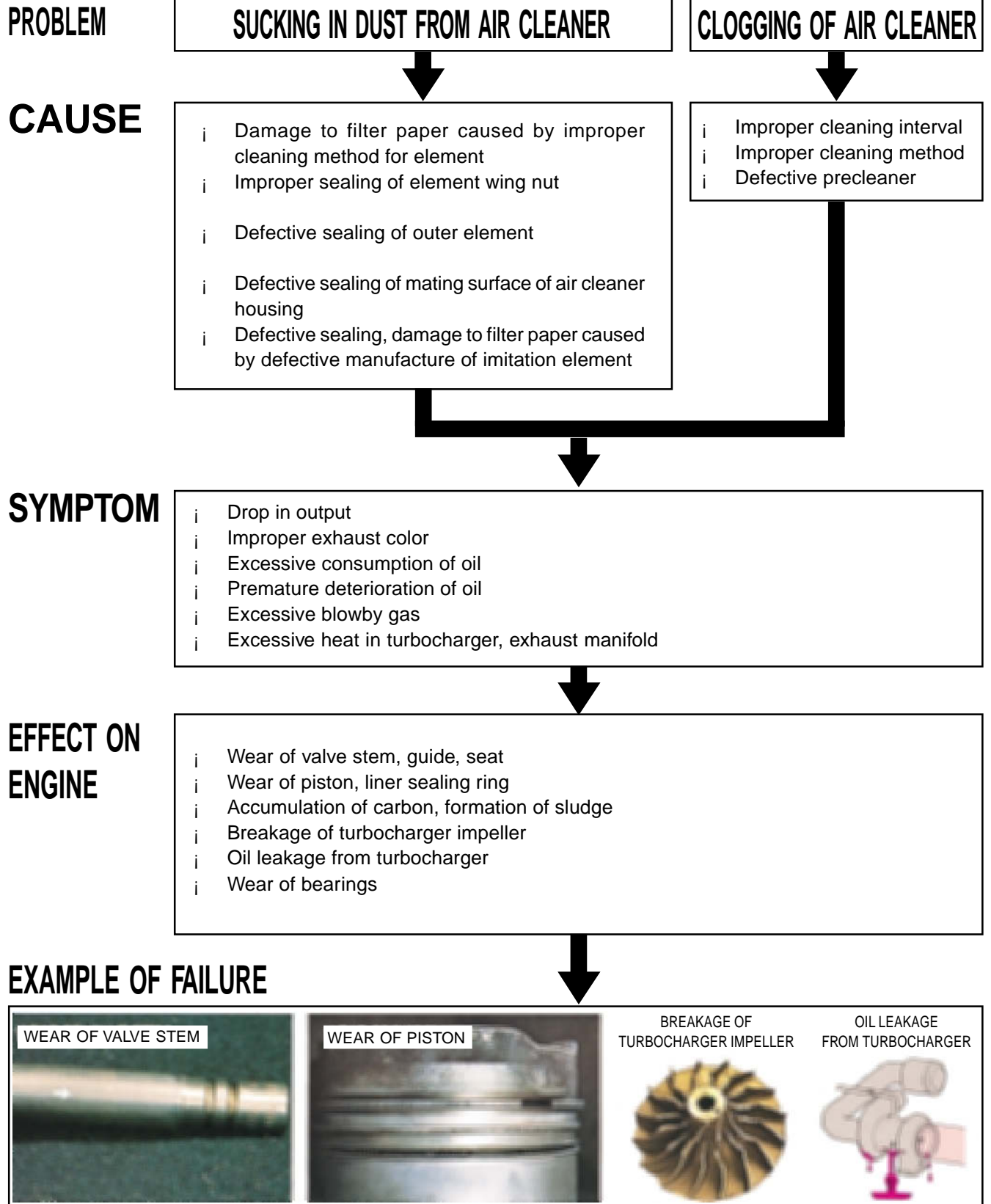
The engine oil acts to lubricate, clean cool, and seal the rotating and sliding parts of the engine. If there is any dirt or water in this oil, there will be abnormal wear or seizure of the piston or bearings. The oil filter removes this dirt and moisture to enable the oil to carry out its role properly, thereby maintaining engine performance and extending engine life.



2. Failures due to insufficient filter maintenance

AIR CLEANER

If the air cleaner becomes clogged or is damaged, the following kinds of problems will occur.



OIL FILTER

If the oil filter becomes clogged or damaged, the following kinds of problems will occur.

PROBLEM

CLOGGING, DAMAGE TO OIL FILTER

CAUSE

- | Improper replacement interval for filter
- | Specified oil not being used
- | Imitation filter being used
- | Improper storage of new filters
- | Improper storage of new oil

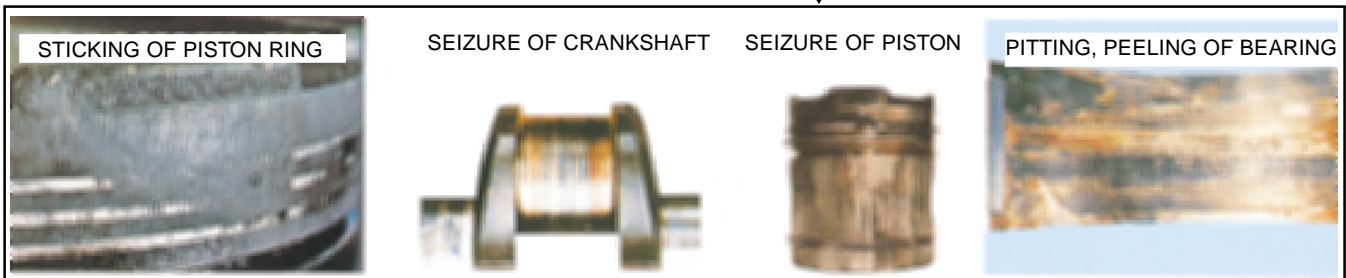
SYMPTOM

- | Drop in oil pressure
- | Abnormal noise
- | Excessive blowby
- | Blue exhaust smoke
- | Drop in output
- | Premature deterioration of oil
- | Overheating
- | Oil leaking to related parts
- | Change in viscosity
- | Caution lamp lights up
- | Excessive contamination of element
- | Change in nature of oil
- | Increase in oil level

EFFECT ON ENGINE

- | Wear of valves
- | Scuffing, damage to piston, liner
- | Peeling, damage to bearing
- | Seizure, damage to crankshaft
- | Seizure of turbocharger
- | Seizure of bearing
- | Pitting of liner
- | Breakage of piston ring
- | Generation of carbon sludge
- | Wear of various parts
- | Breakage of connecting rod
- | Cracks, deformation of cylinder head
- | Leakage of water from cylinder head

EXAMPLE OF FAILURE



FUEL FILTER

If the fuel filter becomes clogged or damaged, the following kinds of problems will occur.

PROBLEM

CLOGGING, DAMAGE TO FUEL FILTER

CAUSE

- | Improper replacement interval for filter
- | Low-grade fuel being used
- | Imitation filter being used
- | Water and sediment not being drained from fuel tank
- | Improper storage of fuel

SYMPTOM

- | Abnormality in exhaust color
- | Poor engine performance
- | Lack of power
- | Excessive fuel consumption
- | Overheating
- | Difficulty in starting, poor acceleration

EFFECT ON ENGINE

- | Clogging, seizure of nozzle injection port
- | Wear, seizure of injection pump
- | Melting of valve, seat
- | Wear, seizure of piston, liner
- | Deposit of carbon caused by incomplete combustion
- | Damage to parts by abnormal combustion

EXAMPLE OF FAILURE

WEAR OF INJECTION PUMP PLUNGER	SEIZURE OF DELIVERY VALVE	MELTING OF VALVE	SEIZURE OF PISTON
			

HYDRAULIC FILTER

If the hydraulic filter becomes clogged or damaged, the following kinds of problems will occur.

PROBLEM

CLOGGING, DAMAGE TO HYDRAULIC FILTER

CAUSE

- ⌋ Improper replacement interval for filter
- ⌋ Specified oil not being used
- ⌋ Imitation filter being used
- ⌋ Improper storage of new filters
- ⌋ Improper storage of new oil

SYMPTOM

- ⌋ Drop in oil pressure
- ⌋ Overheating
- ⌋ Change in viscosity
- ⌋ Excessive contamination of element

EFFECT ON ENGINE

- ⌋ Damage to transmission discs, and plate
- ⌋ Damage to bearings
- ⌋ Wear of hydraulic pump cases, gears
- ⌋ Damage to hydraulic cylinder inner parts

EXAMPLE OF FAILURE



3. Comparison of genuine parts and imitation parts

WE RECOMMEND USE OF GENUINE PARTS

It is necessary to replace the cleaner and filter periodically, as you are no doubt well aware. However, it is probably true to say that it is not fully understood how important the performance and quality of the cleaner and filter are. As a result of this, we have had many complaints because of cases where imitation parts have been used for the filter instead of genuine parts during maintenance. Komatsu genuine parts have been developed

as the result of thorough and repeated tests when installed on the machine from all angles of filtering efficiency and durability. To keep the machine operating in good condition and to extend its life, it is necessary not only to pay careful attention to maintenance, but also to use cleaners and filters that have been designed and developed for use on that engine.

Comparison of genuine parts and imitation parts

Let us compare here the genuine part and an actual imitation part for an oil filter. In appearance, there is no great difference from the genuine part, but if we look at

the internal parts and the performance, big differences can be found.

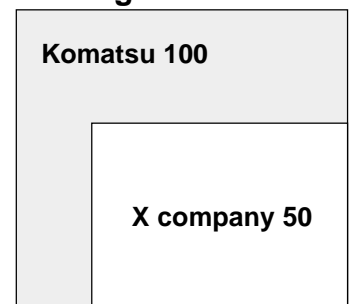
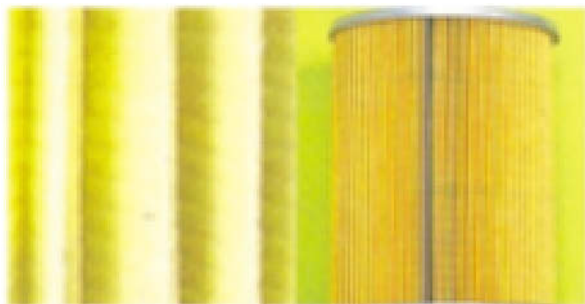
Komatsu genuine filters feature large filtering area

- i Large number of paper folds
- j Paper surface is corrugated to increase surface area and to prevent interference between paper.

KOMATSU

X company

Comparison of filtering area



Uniform mesh filter paper

Never fails to trap contaminants

- i Since specially manufactured Komatsu genuine filter paper is fine with uniform mesh, superb filtering performance is demonstrated.

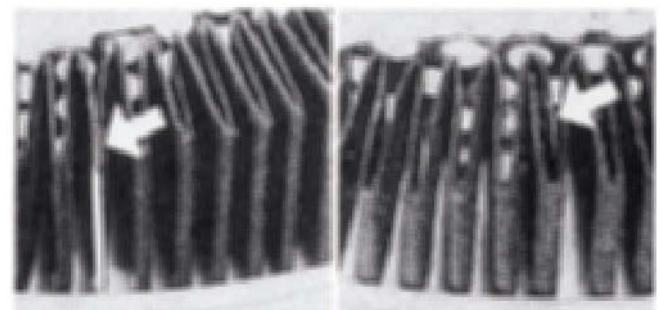
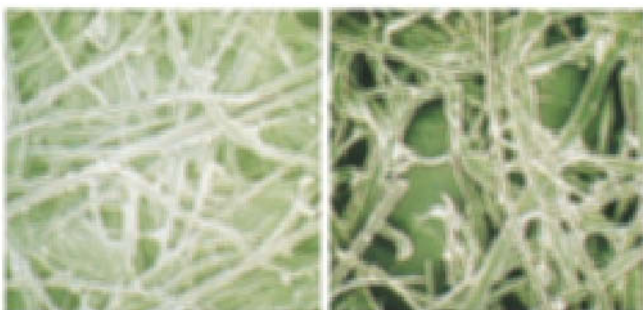
- j Joint sections of filter paper are secured firmly by metal strips, ensuring that Komatsu genuine filters always trap contaminants.

KOMATSU

X company

KOMATSU

X company



Secured by metal strips

Secured by staples

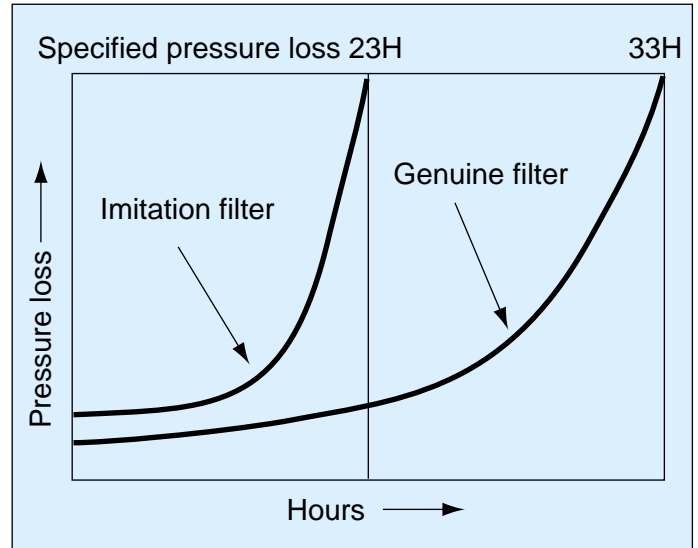
Performance

To compare the filtering performance, if we look at the time that passes before the specified pressure loss is reached, we find that the imitation filter reaches this condition after only 23 hours, compared with the 33 hours taken for the genuine filter. In other words, the imitation filter starts to have an adverse effect on the engine much earlier than the genuine filter.

* Pressure loss is the pressure difference of the oil at the filter inlet port and outlet port. When resistance is caused by clogging, the pressure loss becomes greater.

Furthermore, the four comparative tests given below were carried out, with the following results.

1. Pulling strength test to investigate durability.
2. Pore size test to investigate the fineness of the filter pores.
3. Bubble test to investigate the pressure resistance of the element itself.
4. Impulse test using repeated application of a constant pressure to investigate overall durability.



No.	Item	Genuine filter	Imitation filter
1	Pulling strength test	12 kg	5 kg
2	Pore size test	20 μ	60 μ
3	Bubble test	210.5 mmaq	144.8 mmaq
4	Impulse test	More than 250,000 times	1,300 times

From the results of these tests, it is obvious that there is a big difference between the performance of the Komatsu genuine filter and that of the imitation filter. In other words, the imitation filter cannot provide the performance needed for the engine, so there is an extremely adverse effect on engine performance and service life.

4. Hybrid hydraulic filters

Hybrid Hydraulic Filter Elements

- **High performance filtration**

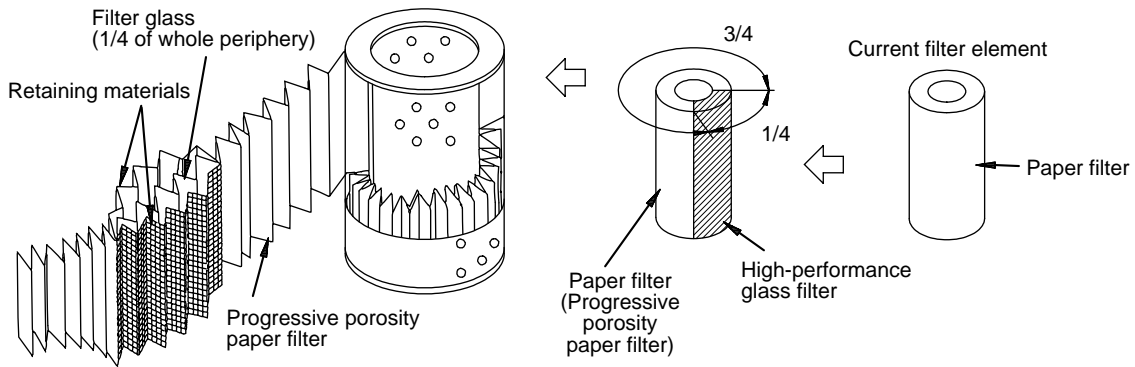
Double life, lower maintenance costs

- **Keeps the oil clean**

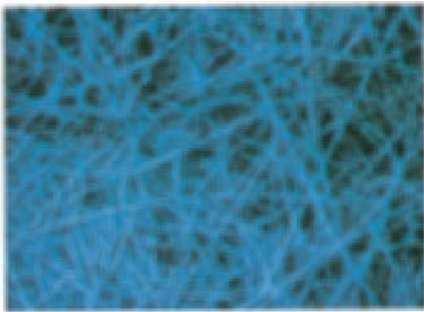
Increase the life of hydraulic components

The hybrid element, combining a high-performance, glass fiber filter and a paper filter with progressive porosity, ensures improved quality filtration for cleaner oil and reduced maintenance costs.

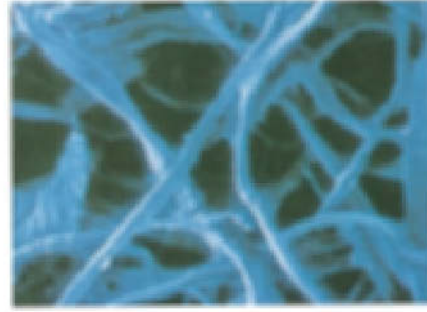




Fiber glass filter
(Microscopic photo x 200)

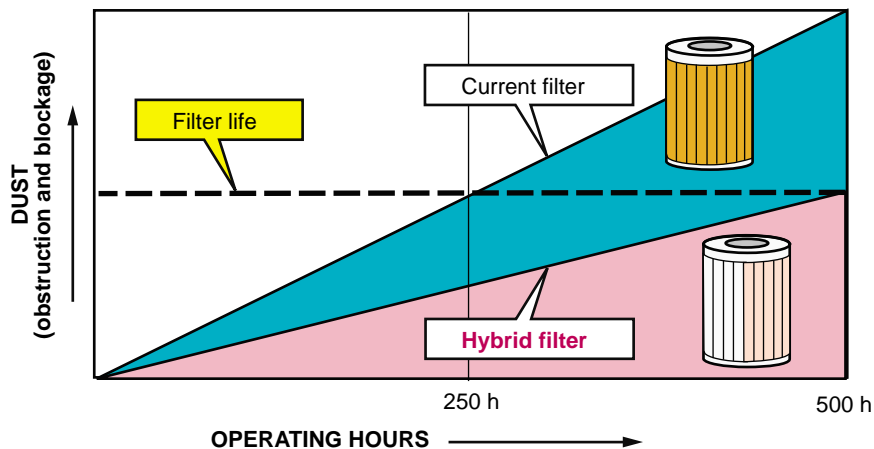


Progressive porosity paper filter
(Microscopic photo x 200)



Replacement period for filter elements

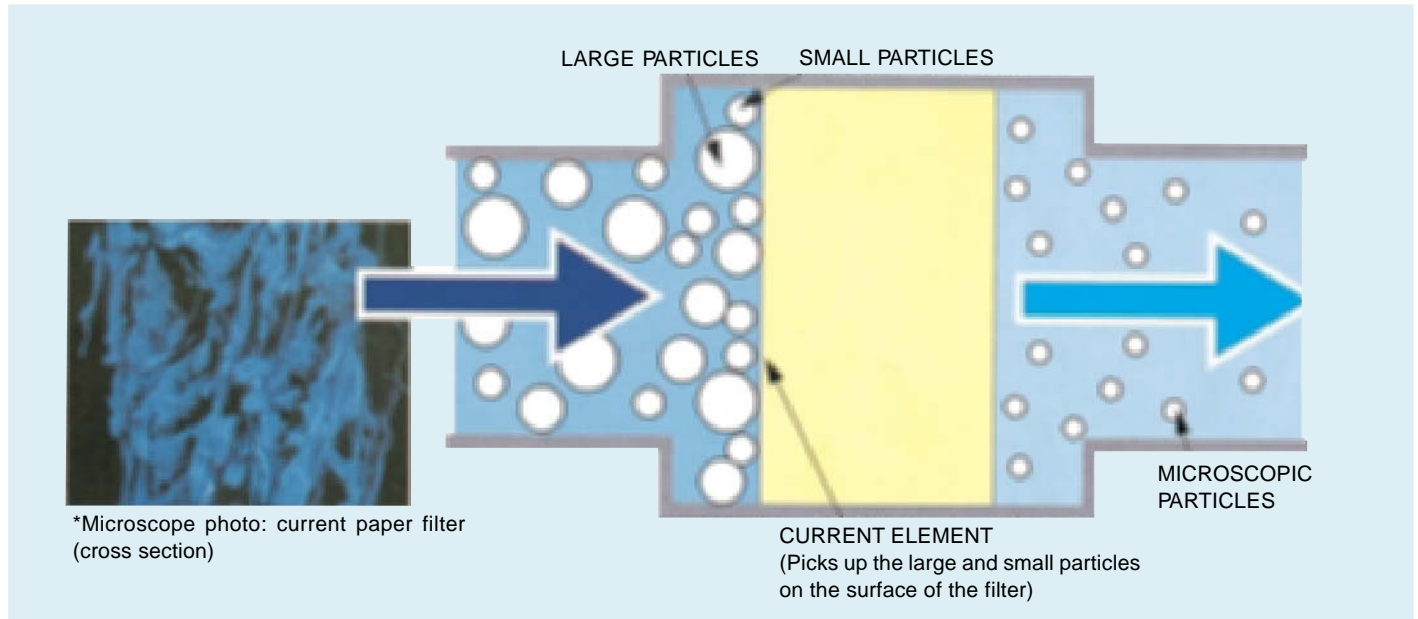
Recent innovations made in performance of our hydraulic systems require a higher working pressure 34.3 MPa (350 kgf/cm²/4,980 PSI) in order to achieve more power. Under these conditions and in order to avoid oil leaks, the hydraulic system must be designed to very precise specifications, but will inevitably be affected by microscopic dust particles. A blocked filter cannot collect all the dust and wear particles and its efficiency is thus significantly affected. This is why replacing the oil filter must be carried out before it becomes completely blocked.



Filtration method

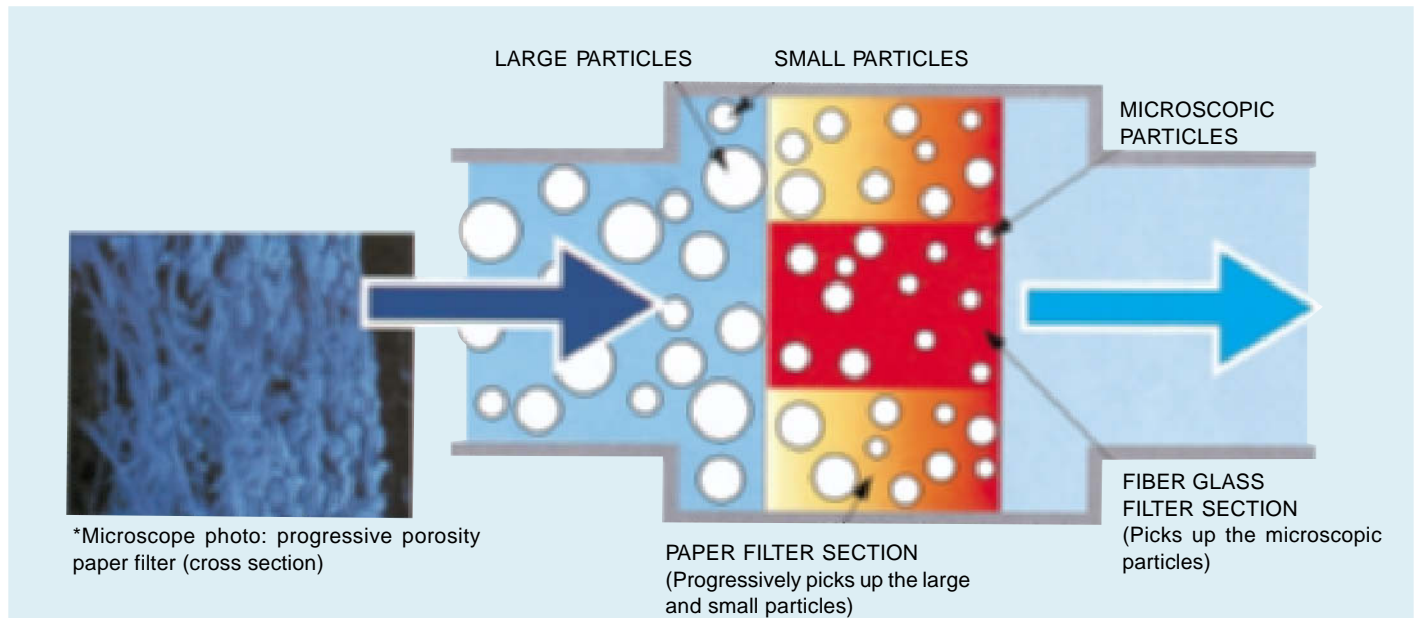
Current element with a single paper filter

Although a single paper filter can pick up large and small particles on the surface of the filter, it allows microscopic dust and wear particles to contaminate the hydraulic oil.



New hybrid filter element

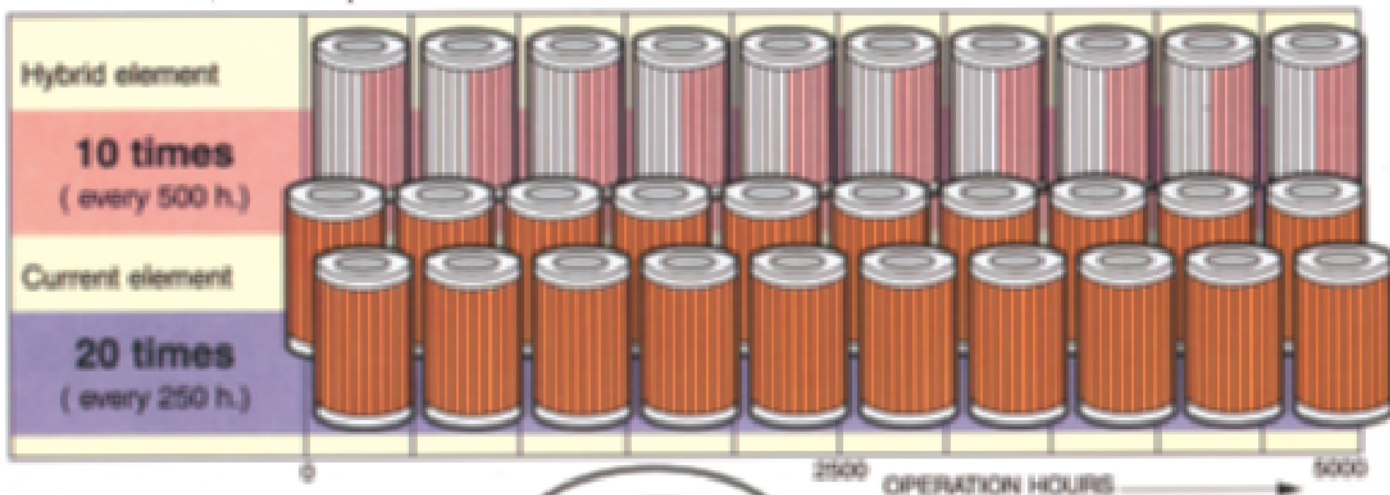
The progressive porosity paper filter makes up 75% of the total filtration surface and consists of stacked filter paper of differing porosity, which increase the capacity to progressively retain the large and small impurities on the surface and inside the element, thus assuring the increased life span of the filter. Accordingly, the high performance fiber glass filter which makes up the other 25% of the filtration surface increases the life span of the hydraulic oil by retaining the microscopic dust.



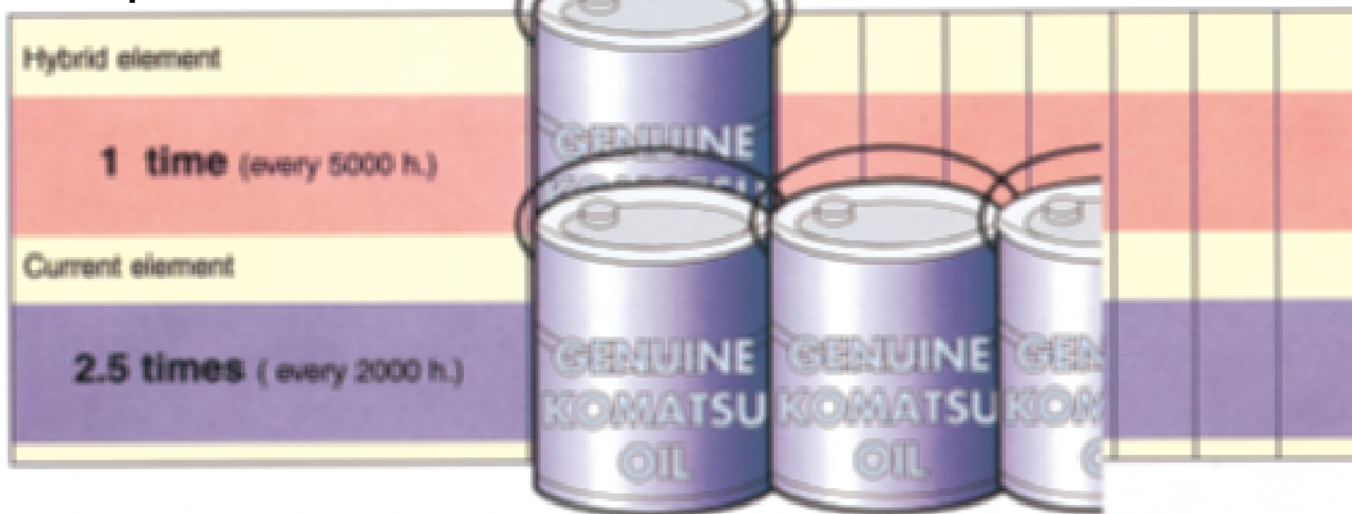
Comparison: Hybrid hydraulic filter and Current filter

5000 hours of operation (Example of Hydraulic excavator):

•Number of filter replacement



•Oil replacement



- **Maintenance costs** are much lower than those current filter elements for parts, oil and labor. Number of replacement of parts is 10 times less frequent and oil changes are 1.5 time less frequent.
- For maximum efficiency, when you replace conventional filter elements with hybrid filter elements, always make sure that you also use new oil.

Interchangeability

Following current hydraulic filters are interchangeable with new **Hybrid** hydraulic oil filters.

Current filter Part No.	Hybrid filter Part No.	Current filter Part No.	Hybrid filter Part No.
07063-01035	07063-51035	07063-01383	07063-51383
07063-01054	07063-51054	07063-01100	7063-51100
07063-01142	07063-51142	07063-01210	07063-51210

5. Table of filters

The color in the part number column shows the replacement interval.

250H
 500H
 1000H
 2000H
 When required

	Model	Serial No.	Engine oil filter	Q'ty	Fuel filter	Q'ty	Corrosion resistor	Q'ty	Pre-Cleaner	Q'ty
BULLDOZER	D20/D21-7	(4D95S engine)	600-211-6242	1	600-311-7440	1				
		4D94E engine	YM129150-35151	1	YM119000-55600	1				
	D31-20	(6D95L engine)	600-211-6242	1	600-311-7440	1				
		S4D102E engine	6732-51-5140	1	6732-71-6111	1	600-411-1151	1		
	D37-5	(6D95L engine)	600-211-6242	1	600-311-7440	1				
		S4D102E engine	6732-51-5140	1	6732-71-6111	1	600-411-1151	1		
	D40-3	6001-	6136-51-5121	1	6136-71-6120	1	600-411-1140	1		
	D41-3	6001-	6136-51-5121	1	6136-71-6120	1	600-411-1140	1		
	D41-6	B20001-	6735-51-5140	1	6732-71-6111	1			6643-81-7502	1
	D50-17	80001-	6136-51-5121	1	600-311-8293	1	600-411-1150	1		
	D53-17	80001-	6136-51-5121	1	600-311-8293	1	600-411-1150	1		
	D57S-1	20001-	6134-51-5121	1	600-311-8223	1	600-411-1140	1		
	D58-1	80588-	6136-51-5121	1	600-311-8293	1	600-411-1150	1		
	D61-12	10001-	6742-01-4120	1	6732-71-0111	1	6742-01-3970	1		
	D65E-12	60001-	6136-51-5121	1	600-311-8293	1	600-411-1150	1	600-182-8110	1
	D65EX/P/PX-12	60001-	600-311-1231	1	600-311-8292	1	600-411-1150	1	600-182-8110	1
	D66S-1	10001-	6136-51-5121	1	600-311-8293	1	600-411-1140	1		
	D75A-1	50001-	600-211-1231	1	600-311-8293	1	600-411-1150	1		
	D75S-5	15001-	600-211-1231	1	600-311-8293	1	600-411-1150	1		
	D85E-SS-2A	2001-	600-211-1231	1	600-311-8293	1	600-411-1150	1		
	D85-21	35001-	600-211-1231	1	600-311-8293	1	600-411-1150	1		
	D135A-2	10301-	600-211-1231	1	600-311-8293	1	600-411-1150	1	600-181-5710	1
	D155A-2	50001-57000	600-211-1231	2	600-311-8293	2	600-411-1150	2	600-181-5710	1
			*6128-51-5030	1						
		57001-	600-211-1231	1	600-311-7132	1	600-411-1151	1	600-181-5710	1
	D155A-3	60001-	600-211-1231	1	600-311-7132	1	600-411-1151	1	600-181-5710	1
	D155AX-3	60001-	600-211-1231	1	600-311-7132	1	600-411-1151	1	600-181-5710	1
	D155AX-5	70001-	600-211-1231	1	600-311-7132	1	600-411-1151	1	41K-13-11110	1
	D155C-1	(25887-)	600-211-1231	2	600-311-8291	2	600-411-1020	1		
			*6610-51-5050	1						
	D275A-2	1001-	600-211-1231	2	600-311-8291	2	600-411-1170	1	600-181-5460	1
	D355A-3	(25900-)	600-211-1231	2	600-311-8291	2	600-411-1150	1	600-181-4870	1
			*6128-51-5030	1						
	D355C-3	(24805-)	600-211-1231	2	600-311-8291	2	600-411-1150	1	600-181-4882	1
			*6610-51-5050	1						
	D375A-2	16001-	600-211-1231	2	600-311-8293	2	600-411-1171	1		
D375A-3	17001-	600-211-1231	4	600-311-8293	2	600-411-1171	2	600-181-5460	1	
D475A-2	10201-	600-211-1231	4	600-311-7131	2	600-411-1171	2	600-181-4870	2	
		*600-211-1510	2							
D475A-3	10601-	600-211-1231	4	600-311-7132	2	600-411-1171	2	600-181-5460	2	
		*600-212-1511	2							
D575A-2	10001-	600-211-1231	4	600-311-7111	3	600-411-1171	2	600-181-4870	3	
D575A-2 SD		*600-211-1510	3							
MOTOR GRADER	GD313A-1	30001-	600-211-6242	1	600-311-6220	1	600-411-1140	1		
	GD461A-1	10001-	600-211-6242	1	600-311-6220	1	600-411-1140	1		
	GD510R-1	15001-	600-211-6242	1	600-311-6220	1	600-411-1140	1		
	GD511-1	10001-	600-211-6242	1	600-311-6220	1	600-411-1140	1		
	GD521-1	10001-	6134-51-5121	1	600-311-8222	1	600-411-1140	1		
	GD523-1	30001-	6134-51-5121	1	600-311-8222	1	600-411-1140	1		
	GD525A-1C	60001-	6134-51-5121	1	600-311-8222	1	600-411-1140	1		
	GD611-1	10001-	6134-51-5121	1	600-311-8222	1	600-411-1140	1		
	GD621-1	10001-	6134-51-5121	1	600-311-8222	1	600-411-1140	1		
	GD623A-1	10001-	6136-51-5121	1	600-311-8293	1	600-411-1150	1		
	GD625A-1C	60001-	6136-51-5121	1	600-311-8293	1	600-411-1150	1		
	GD661A-1	30001-	6136-51-5121	1	600-311-8222	1	600-411-1140	1		
	GD705A-4	21001-	600-211-1231	1	600-311-8293	1	600-411-1140	1		
	GD725A-1	50001-	600-211-1231	1	600-311-8293	1	600-411-1150	1		
	GD825A-2	11001-	600-211-1231	1	600-311-7131	1	600-411-1150	1		
	WHEEL LOADER	WA30-5	18970-	YM129150-35151	1	YM129100-55650	1			
WA50-3		20642-	YM129150-35151	1	YM129100-55650	1				
WA70-1		12001-	600-211-6242	1	600-311-6220	1	600-411-1130	1		
WA100-1		10001-	600-211-6242	1	600-311-6220	1	600-411-1140	1		
WA120-1		10001-	600-211-6242	1	600-311-6220	1	600-411-1140	1		

Remarks *1: HST servo filter *2: Charge filter *3: Transmission & power train filter *4: Bypass filter *5: Winch filter
 *6: Inner element *7: Outer element *8: PPC filter *9: Final drive filter *10: Torque converter filter
 *11: Dual corrosion resistor (): Engine serial No.

Model	Transmission filter	Q'ty	Steering filter	Q'ty	Hydraulic filter	Q'ty	Other filter	Q'ty	Air filter	Q'ty
D20, D21-7					113-60-43321	1			600-181-7400	1
							*6YM119005-12571	1	*7YM129062-12560	1
D31-20					113-60-43321	1			600-181-9500	1
									600-181-6050	1
D37-5					113-60-43321	1			600-181-9500	1
									600-181-6050	1
D40-3					154-60-12170	1			6114-80-7101	1
D41-3	154-60-12170	1			154-60-12170	1			6114-80-7101	1
D41-6	23S-49-13121	1			113-63-43321	1			600-181-6050	1
D50-17			101-60-15170	1	130-60-48210	1			6131-82-7011	1
D53-17	281-16-11290	1	101-60-15170	1	130-60-48210	1			6131-82-7011	1
D57S-1	281-16-11290	1	101-60-15171	1	141-60-18270	1			6115-81-7602	1
D58-1	281-16-11290	1	101-60-15171	1	130-60-48210	1			6114-80-7101	1
D61-12	*307063-01054	1			21N-60-12210	1			600-185-12210	1
D65E-12					07063-01100	1	*307063-01054	1	6114-80-7101	1
D65EX/P/PX-12					07063-01100	1	*307063-01054	1	6125-81-7032	1
D66S-1	*2142-49-12111	1			141-60-18270	1	*1101-60-15170	1	6125-81-7032	1
D75A-1	281-16-11290	1	281-16-11290	1	144-60-11160	1			6115-81-7602	1
D75S-5	175-49-11580	1	175-49-11580	1	141-60-18270	1			6125-81-7032	1
D85E-SS-2A					07063-01100	1	*307063-01054	1	6125-81-7032	1
D85-21	175-49-11580	1	175-49-11580	1	07063-01100	1			6125-81-7032	1
D135A-2	175-49-11580	1	175-49-11580	1	07063-01100	1			6128-81-7043	1
D155A-2	175-49-11580	1	175-49-11580	1	07063-01100	1			6128-81-7043	1
	175-49-11580	1	175-49-11580	1	175-60-27380	1			6128-81-7043	1
D155A-3	07063-01100	1			20Y-60-21470	1			6128-81-7043	1
D155AX-3			*207063-51054	1	20Y-60-21470	1	*320Y-60-21470	1	6128-81-7043	1
D155AX-5	*307063-51100	1	*207063-51054	1	07063-01100	1			6128-81-7043	1
D155C-1	175-49-11580	1	175-49-11580	1	130-60-48210	1	*5144-60-11160	1	6128-81-7043	1
D275A-2					07063-01100	1	*307063-01100	2	6128-81-7043	1
D355A-3	175-49-11580	1	175-49-11580	2	195-60-16320	1			6128-81-7043	1
D355C-3	175-49-11580	1	175-49-11580	2	130-60-48210	1	*5144-60-11160	1	6128-81-7043	1
D375A-2					195-60-16320	1	*307063-01142	2	6128-81-7043	1
D375A-3	07063-01142	2			07063-01142	1			6128-81-7043	1
D475A-2					07063-01210	2	*307063-01210	2	6128-81-7043	2
D475A-3	07063-01142	2			07063-01383	1	*1007063-01142	1	6128-81-7043	2
D475A-3 SD							*11600-141-1151	1		
D575A-2	07063-01210	3	*8101-60-15171	1	07063-01210	2	*9101-60-15171	2	6128-81-7043	3
D575A-2 SD										
GD313A-1	23B-16-11310	1			07063-01035	1			600-181-9500	1
GD461A-1	281-16-11290	1			07063-01035	1			600-181-6740	1
GD510R-1					07063-01054	1			600-181-6740	1
GD511-1	23B-16-11310	1			07063-01054	1			600-181-6740	1
GD521-1	23B-16-11310	1			07063-01054	1			600-181-6740	1
GD523-1	23B-16-11310	1			07063-01054	1			600-181-6740	1
GD525A-1C	281-16-11290	1			07063-01054	1			600-181-6740	1
GD611-1	23B-16-11310	1			07063-01054	1			600-181-6740	1
GD621-1	23B-16-11310	1			07063-01054	1			600-181-6740	1
GD623A-1	23B-16-11310	1			07063-01054	1			6114-80-7101	1
GD625A-1C	281-16-11290	1			07063-01054	1			6114-80-7101	1
GD661A-1	23B-16-11310	1			07063-01054	1			600-181-6740	1
GD705A-4	281-16-11290	1			234-60-31330	1			6125-81-7032	1
GD725A-1	23B-16-11310	1			07063-01100	1			6125-81-7032	1
GD825A-2	424-16-11140	1			234-60-31330	1			6128-81-7043	1
WA30-5	363-18-31470	1			363-60-35310	1			YM171058-12510	1
WA50-3	363-18-31470	1			363-60-35310	1			YM171058-12510	1
WA70-1	424-16-11140	1			103-60-23220	1			600-181-7300	1
WA100-1	424-16-11140	1			154-60-12170	1			600-181-9500	1
WA120-1	424-16-11140	1			154-60-12170	1			600-181-9500	1

Filters

The color in the part number column shows the replacement interval.

250H
500H
1000H
2000H
When required

	Model	Serial No.	Engine oil filter	Q'ty	Fuel filter	Q'ty	Corrosion resistor	Q'ty	Pre-Cleaner	Q'ty
WHEEL LOADER	WA120-3	(S6D95L engine)	600-211-6242	1	600-311-7440	1	600-411-1191	1		
		S4D102E-1 engine	6732-51-5140	1	6732-71-6111	1	600-411-1191	1		
	WA180-1	10001-	600-211-6240	1	600-311-6222	1	600-411-1140	1		
	WA180-3	(S6D95L engine)	600-211-5242	1	600-311-7440	1	600-411-1191	1		
		S6D102E engine	6735-51-5141	1	6732-71-6111	1	600-411-1151	1		
	WA250-1	10001-	6136-51-5121	1	600-311-8222	1	600-411-1140	1		
	WA250-1H	H20051-	CU3908615	1	CU3903410	1				
	WA250-3	(S6D95L engine)	600-211-5242	1	600-311-7440	1	600-411-1191	1		
		S6D102E engine	6735-51-5141	1	6732-71-6111	1	600-411-1151	1		
	WA320-1	20001-	6134-51-5121	1	600-311-8222	1	600-411-1140	1		
	WA320-3	(20624-)	6136-51-5121	1			600-411-1191	1		
		(20624-24444)			600-311-8293	1				
		(24445-)			600-311-8320	1				
		(15614-25147)								
		(25148-)								
	WA320-3 CUSTOM	(26200467-)	6735-51-5141	1	6732-71-6110	1	600-411-1151	1		
	WA380-1	20001-	6136-51-5121	1	600-311-8293	1	600-411-1140	1		
	WA380-3	(20624-)	6136-51-5121	1			600-411-1191	1		
		(20624-24444)			600-311-8293	1				
		(24445-)			600-311-8320	1				
		(17814-25362)								
		(25363-)								
	WA420-1	20001-	6136-51-5121	1	600-311-8293	1	600-411-1140	1		
	WA420-1H	H20051-	CU3313281	1	CU3903410	1	CU3315116	1		
	WA420-3	(20336-)	6136-51-5121	1			600-411-1191	1		
		(20336-24451)			600-311-8293	1				
		(24452-)			600-311-8320	1				
		(17843-25366)								
		(25367-26950)								
	WA470-1	20001-	600-211-1231	1	600-311-8293	1	600-411-1151	1		
WA470-3	50001-	600-211-1231	1	600-311-8293	1	600-411-1151	1			
WA500-1	10001-	600-211-1231	1	600-311-7132	1	600-411-1151	1	600-181-5710	1	
WA500-3	50001-	600-211-1231	1	600-311-7132	1	600-411-1151	1	600-181-5710	1	
WA600-1	11061-	600-211-1231	2	600-311-8293	2	600-411-1171	1	600-181-5460	1	
WA600-3	50001-	600-211-1231	2	600-311-8293	2	600-411-1171	1	600-181-5460	1	
WA700-1	10001-	600-211-1231	2	600-311-8293	3	600-411-1171	1	600-181-5710	2	
WA700-3	50001-	600-211-1231	2	600-311-8293	3	600-411-1171	1	600-181-5710	2	
WA800-2	10501-	600-211-1231	4	600-311-7132	2	600-411-1171	2	600-181-1640	2	
WA800-3	50001-	600-211-1231	4	600-311-7132	2	600-411-1171	2	600-181-1641	2	
WA900-1	10001-	600-211-1231	4	600-311-7132	2	600-411-1171	2	600-181-1640	2	
WA900-3	50001-	600-211-1231	4	600-311-7132	2	600-411-1171	2	600-181-1641	2	
HYDRAULIC EXCAVATOR	PC05-6F	F1001-	PK140516190	1	PK130366020	1				
	PC05-7	(3D72 engine)	YM119660-35150	1	YM124550-55700	1				
		3D68E engine	YM119305-35150	1						
	PC10-6F	F10001-	PK140516130	1	PK130366020	1				
	PC10-7	(3D78 engine)	YM129150-35150	1	YM119810-55650	1				
		3D74E engine	YM119305-35150	1	YM124550-55700	1				
	PC12R-8	10001-	YM119305-35150	1	YM119810-55650	1				
	PC15-3	(3D84 engine)	YM129150-35150	1	YM119810-55650	1				
		3D82E engine	YM129150-35151	1	YM119810-55650	1				
	PC15R-8	10001-	YM119305-35150	1	YM119810-55650	1				
	PC20-6F	F10001-	YM119305-35150	1	YM119810-55650	1				
	PC20-7	(3D84 engine)	YM119305-35150	1	YM119810-55650	1				
		3D82E engine	YM129150-35151	1	YM119810-55650	1				
	PC20MRX-1	10001-	YM119305-35150	1	YM119810-55650	1				
	PC20R-8	10001-	YM119305-35150	1	YM119810-55650	1				
	PC25-1	1001-	YM129150-35151	1	YM119810-55650	1				
	PC25R-8	10001-	YM129150-35151	1	YM119810-55650	1				
	PC27R-8	10001-	YM129150-35151	1	YM119810-55650	1				
	PC30-6F	F10001-	YM119305-35150	1	YM129100-55650	1				
	PC30-7	18001-	YM129150-35151	1	YM129100-55650	1				
PC30MRX-1	10001-	YM129150-35151	1	YM129100-55650	1					

Remarks *1: Inner element *2: Outer element (): Engine serial No.

Model	Bypass filter	Q'ty	Transmission filter	Q'ty	Hydraulic filter	Q'ty	Other filter	Q'ty	Air filter	Q'ty
WA120-3			424-16-11140	1	07063-01054	1			600-181-9500	1
									600-181-6050	1
WA180-1			424-16-11140	1	154-60-12170	1			6131-82-7011	1
WA180-3			424-16-11140	1	07063-01054	1			6131-82-7011	1
									600-181-6740	1
WA250-1			424-16-11140	1	154-60-12170	1			6115-81-7602	1
WA250-1H			424-16-11140	1	07063-01142	1	*1418-01-K1180	1	*1418-01-K1170	1
WA250-3			424-16-11140	1	07063-01054	1			6131-82-7011	1
									600-181-6740	1
WA320-1			424-16-11140	1	07063-01142	1			600-181-6740	1
WA320-3			424-16-11140	1	07063-01142	1				
									600-181-2700	1
									600-182-3200	1
WA320-3 CUSTOM			424-16-11140	1	07063-01142	1			600-181-6740	1
WA380-1			424-16-11140	1	07063-01142	1			600-181-8600	1
WA380-3			424-16-11140	1	07063-01142	2				
									600-181-2700	1
									600-182-3200	1
WA420-1			424-16-11140	1	07063-01142	2			600-181-8600	1
WA420-1H			424-16-11140	1	07063-01142	2	*1600-181-1580	1	*1600-181-1680	1
WA420-3			424-16-11140	1	07063-01142	2				
									600-181-2700	1
									600-182-3200	1
WA470-1			424-16-11140	1	07063-01142	2			600-181-1600	1
WA470-3			424-16-11140	1	07063-01142	2			600-181-1600	1
WA500-1			424-16-11140	2	07063-01142	2			6128-81-7043	1
WA500-3			424-16-11140	2	07063-01383	1			6128-81-7043	1
WA600-1			424-16-11140	3	07063-01142	3			6128-81-7043	1
WA600-3			424-16-11140	3	07063-51210	2			6128-81-7043	1
WA700-1			424-16-11140	4	07063-01142	3			6128-81-7043	2
WA700-3	600-212-1511	2	424-16-11140	4	208-60-61180	2			6128-81-7043	2
WA800-2	600-212-1511	2	424-16-11140	6	07063-01142	4			6128-81-7043	2
WA800-3	600-212-1511	2	424-16-11140	6	20Y-60-21510	3			6128-81-7043	2
WA900-1	600-212-1511	2	424-16-11140	6	07063-01142	3			6128-81-7043	2
WA900-3	600-212-1511	2	424-16-11140	6	20Y-60-21510	3			6128-81-7043	2
PC05-6F					20M-60-R1151	1			20M-01-R3061	1
PC05-7					21U-60-11330	1			YM121465-12510	1
PC10-6F					PZF848101112	1			20M-01-R3061	1
PC10-7					21U-60-11320	1			YM129350-12900	1
									YM121465-12510	1
PC12R-8					21U-60-11330	1			YM119655-12560	1
PC15-3					21U-60-11330	1			YM121120-12901	1
PC15R-8					21U-60-11330	1			YM119655-12560	1
PC20-6F					20R-60-R1251	1			YM121120-12901	1
PC20-7					21U-60-11320	1			YM121120-12901	1
PC20MRX-1					21U-60-32210	1			YM119655-12560	1
PC20R-8					21U-60-11330	1			YM119655-12560	1
PC25-1					07063-01054	1			YM121120-12901	1
PC25R-8					21U-60-11330	1			YM119808-12520	1
PC27R-8					21U-60-11330	1			YM119808-12520	1
PC30-6F					20R-60-R1251	1			YM119808-12520	1
PC30-7					07063-01054	1			YM121120-12901	1
PC30MRX-1					21U-60-32210	1			YM119808-12520	1

Filters

The color in the part number column shows the replacement interval.

250H
500H
1000H
2000H
When required

	Model	Serial No.	Engine oil filter	Q'ty	Fuel filter	Q'ty	Corrosion resistor	Q'ty	Pre-Cleaner	Q'ty	
HYDRAULIC EXCAVATOR	PC30R-8	10001-	YM129150-35151	1	YM129100-55650	1					
	PC35R-8	35001-	YM129150-35151	1	YM129100-55650	1					
	PC40-6F	F10001-	YM119305-35150	1	YM129100-55650	1					
	PC40-7	18001-	YM129150-35151	1	YM129100-55650	1					
	PC40MRX-1	1001-	YM129150-35151	1	YM129100-55650	1					
	PC40R-8	30001-	YM129150-35151	1	YM129100-55650	1					
	PC45-1	1001-	YM129150-35151	1	YM129100-55650	1					
	PC45R-8	5001-	YM129150-35151	1	YM129100-55650	1					
	PC60-7	(4D95L engine)	600-211-5242	600-211-5242	1	600-311-7440	1				
		4D102E engine	6732-51-5140	6732-51-5140	1	6732-71-6111	1				
		4D95LE engine	600-211-2110	600-211-2110	1	600-311-7441	1				
	PC100-6	(S4D95L engine)	600-211-5242	600-211-5242	1	600-311-8222	1	600-411-1140	1		
		S4D102E engine	6732-51-5140	6732-51-5140	1	6732-71-6110	1	600-411-1140	1		
	PC120-5K	K20001-	PK2654407	PK2654407	1	PK2656F802	1				
	PC120-6	(S4D95L engine)	600-211-5242	600-211-5242	1	600-311-8222	1	600-411-1140	1		
	PC130-6	S4D102E engine	6732-51-5140	6732-51-5140	1	6732-71-6111	1	600-411-1191	1		
	PC128US-2	5001-	6732-51-5140	6732-51-5140	1	6732-71-6111	1				
	PC150-5K	K20001-	PK2654407	PK2654407	1	PK2656F802	1				
	PC180-5K	K20001-	PK2654407	PK2654407	1	PK2656F702	1				
	PC200-6	(S6D95L engine)	600-211-5242	600-211-5242	1	600-311-8222	1	600-411-1191	1		
	PC210-6	S6D102E engine	6735-51-5141	6735-51-5141	1	6732-71-6111	1	600-411-1151	1		
	PC210-5K	K20001-	PK2654407	PK2654407	1	PK2656F702	1				
	PC220-6	(SA6D95L engine)	600-211-5242	600-211-5242	1	600-311-8222	1	600-411-1191	1		
	PC230-6	SA6D102E engine	6735-51-5141	6735-51-5141	1	6732-71-6111	1	600-411-1191	1		
	PC228USLC-1	11001-	6735-51-5141	6735-51-5141	1	6732-71-6111	1				
	PC240-5K	K20001-	PK2654407	PK2654407	1	PK2656F702	1				
	PC300-5	20001-	6134-51-5121	6134-51-5121	1	600-311-8293	1	600-411-1191	1		
	PC300-5K	K20001-	6134-51-5121	6134-51-5121	1	600-311-8293	1	600-411-1191	1		
	PC300-6	30001-32999	6136-51-5121	6136-51-5121	1	600-311-8293	1	600-411-1191	1		
		33001-									
	PC400-5	20001-	600-211-1231	600-211-1231	1	600-311-8293	1	600-411-1151	1		
	PC400-6	30001-31999	600-211-1231	600-211-1231	1	600-311-8293	1	600-411-1151	1		
		32001-									
	PC600-6	10001-	CULF-9009	CULF-9009	2	CUFS-1212	2	CUWF-2075	1		
PC650-5	20164-	600-211-1231	600-211-1231	2	600-311-7132	1	600-411-1171	1	600-181-5710	1	
PC710-5	11019-	600-211-1231	600-211-1231	2	600-311-7132	1	600-411-1171	1	600-181-5710	1	
PC750-6	10001-	600-211-1231	600-211-1231	2	600-311-7132	1	600-411-1171	1	600-181-4870	1	
PC800-6	30001-	600-211-1231	600-211-1231	2	600-311-7132	1	600-411-1171	1	600-181-4870	1	
PC1000-1	10001-	600-211-1231	600-211-1231	2	600-311-8293	2	600-411-1171	1	600-181-5460	1	
PC1100-6	10001-	600-211-1231	600-211-1231	2	600-311-8293	3	600-411-1171	1	600-181-5460	1	
PC1600/SP-1	10001-	600-211-1231	600-211-1231	2	600-311-7131	2	600-411-1171	2	600-181-5710	2	
PW30-1	19229-	YM171056-35110	YM171056-35110	2	YM124550-55700	1					
PW60-3	2001-	600-211-6241	600-211-6241	1	600-311-6220	1					
PW100-3	1601-	600-211-6241	600-211-6241	1	600-311-6220	1	600-411-1140	1			
PW150-1	1001-	600-211-6241	600-211-6241	1	600-311-6220	1	600-411-1010	1			
PW210-1	10001-	6134-51-5121	6134-51-5121	1	6136-71-6120	1	600-411-1010	1			
DUMP TRUCK	HA250-3	303001-	600-211-1231	1	600-311-8293	1	600-411-1151	1			
	HA270-3	313101-	600-211-1231	1	600-311-8293	1	600-411-1151	1			
	HD205-3	1003-	600-211-1231	1	600-311-8293	1	600-411-1151	1			
	HD255-5	1001-	600-211-1231	1	600-311-8293	1	600-411-1151	1			
	HD325-6	5001-	600-211-1231	2	600-311-7132	1	600-411-1171	1			
	HD465-5	4001-	600-211-1231	2	600-311-8293	3	600-411-1171	1	569-87-62120	2	
	HD785-3	2001-	600-211-1231	4	600-311-7111	2	600-411-1171	2			
	HD785-5	4001-	600-211-1231	4	600-311-7111	2	600-411-1171	2			
	HD985-3	1001-	600-211-1231	4	600-311-7111	2	600-411-1171	2			
	HD985-5	1021-	600-211-1231	4	600-311-7111	2	600-411-1171	2			
	HD1200M-1	1501-	600-211-1230	3	600-311-7111	3	600-411-1040	4			
	HD1600M-1	1005-	CU3307885	CU3307885	5	CU299202	2	CU3305367	2		
	TRASH COMPACTOR	WF450T-1	10001-	600-211-1230	1	600-311-8293	1	600-411-1151	1	41K-13-11110	1
WF600T-1		10001-	600-211-1230	1	600-311-7132	1	600-411-1151	1	600-181-5710	1	

Remarks *1: Hydraulic tank breather *2: Drain filter *3: Inner element *4: Outer element *5: Transmission filter
 *6: Single type *7: Double type *8: Add fuel filter *9: Line filter (): Engine serial No.

Model	Bypass filter	Q'ty	Transmission filter	Q'ty	Hydraulic filter	Q'ty	Other filter	Q'ty	Air filter	Q'ty
PC30R-8					201-60-71180	1	*3YM129051-12530	1	*4YM119808-12520	1
PC35R-8					07063-01054	1	*3YM129051-12530	1	*4YM119808-12520	1
PC40-6F					20R-60-R1251	1			YM121120-12900	1
PC40-7					07063-01054	1			YM121120-12901	1
PC40MRX-1					07063-01054	1			YM119808-12520	1
PC40R-8					201-60-71180	1	*3YM129051-12530	1	*4YM119808-12520	1
PC45-1					07063-01054	1			*4YM121120-12901	1
PC45R-8					201-60-71180	1	*3YM129051-12530	1	*4YM119808-12520	1
PC60-7					07063-01054	1			600-181-6340	1
					07053-51054	1			600-181-6330	1
					201-60-71180	1	*600-311-9520	1	*600-181-7300	1
									*7600-181-7400	1
PC100-6					07063-01100	1			600-181-9460	1
					203-60-61230	1			600-181-6050	1
PC120-5K					07063-01100	1			203-01-K1130	1
PC120-6					07063-01100	1			600-181-9460	1
PC130-6					203-60-61230	1			600-181-6050	1
PC128US-2					07063-51100	1			600-185-2100	1
PC150-5K					07063-01100	1			203-01-K1130	1
PC180-5K					07063-01100	1			203-01-K1130	1
PC200-6					07053-01210	1			600-181-6740	1
PC210-6					20Y-60-21510	1			600-181-6820	1
PC210-5K					07063-01210	1			205-01-73750	1
PC220-6					07063-01210	1			600-181-6820	1
PC230-6					20Y-60-21510	1			600-181-6740	1
PC228USLC-1					07063-01210	1			600-181-6740	1
PC240-5K					07063-01210	1			205-01-73750	1
PC300-5					07063-01210	1	*1207-60-51310	1	600-182-2700	1
PC300-5K					07063-01210	1	*1207-60-51310	1	600-182-3100	1
PC300/350-6					07063-01210	1			600-182-2700	1
					20Y-60-21510	1				
PC400-5					07063-01142	2	*1207-60-51310	1	600-181-1600	1
PC400/450-6					07063-01383	1			6125-81-7032	1
					208-60-61180	1				
PC600-6					07063-51383	1	*3561-02-62520	1	*4561-02-62530	1
							*907063-21200	2		
PC650-5			*2113-60-23160	1	07063-01210	3			6128-81-7043	1
PC710-5			*2113-60-23160	1	07063-01210	3			6128-81-7043	1
PC750-6	600-212-1511	1	*2363-60-35310	1	07063-01210	2			6128-81-7043	1
PC800-6	600-212-1511	1	*2363-60-35310	1	07063-01210	2			6128-81-7043	1
PC1000-1			*221N-60-12210	1	07063-01210	4	*1285-60-17320	1	6128-81-7043	1
PC1100-6			*221N-60-12210	1	07063-01383	2			6128-81-7043	1
PC1600/SP-1	600-212-1511	1	*2113-60-23160	1	07063-01210	6	*1285-60-17320	2	6128-81-7043	2
PW30-1					113-60-33120	1			YM121120-12901	1
PW60-3					154-60-12170	1			600-181-7300	1
PW100-3					07063-01100	1			600-181-9500	1
PW150-1					07063-01100	1			600-181-9500	1
PW210-1					195-60-16320	1			600-181-6820	1
HA250-3			BW252116	1	BW055380	1	*3BW15170	1	*4BW151571	1
HA270-3			BW252116	1	BW055380	1	*3BW15170	1	*4BW151571	1
HD205-3			195-60-16320	1	195-60-16320	1		1	6125-81-7032	1
HD255-5			424-16-11140	1	07063-01142	1	*507063-01142	1	6125-81-7032	1
HD325-6			424-16-11140	1	195-60-16320	3			6125-81-7032	2
HD465-5			424-16-11140	2	07063-01210	2	*3561-02-62520	2	*4561-02-62530	2
HD785-3	600-212-1511	2	424-16-11140	4	07063-01210	2	*3561-02-62520	3	*4561-02-62530	3
HD785-5	600-212-1511	2	424-16-11140	4	07063-01210	3	*3561-02-62520	3	*4561-02-62530	3
HD985-3	600-212-1511	2	424-16-11140	4	07063-01210	3	*3561-02-62520	3	*4561-02-62530	3
HD985-5	600-212-1511	2	424-16-11140	4	07063-01210	3	*3561-02-62520	3	*4561-02-62530	3
HD1200M-1			205-60-51430	3	205-60-51430	2	*3581-02-12130	2	*4581-02-12120	2
HD1600M-1	CU3304232	2	205-60-51430	4	205-60-51430	2	*3581-02-12130	2	*4581-02-12120	2
WF450T-1			424-16-11140	1	07063-01142	2			600-181-1600	1
WF600T-1			424-16-11140	3	07063-01142	2			6128-81-7043	1

Ground Engaging Tools

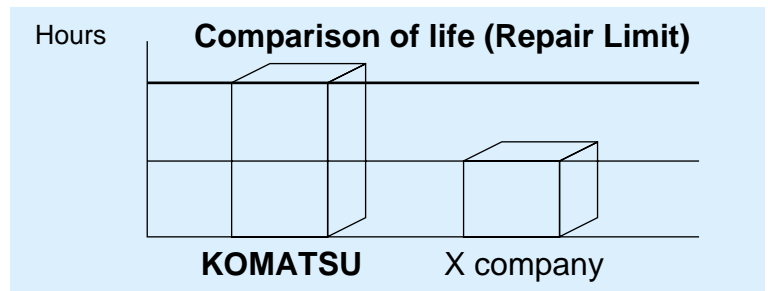
Features of Komatsu Genuine Ground Engaging Tools

Superb durability

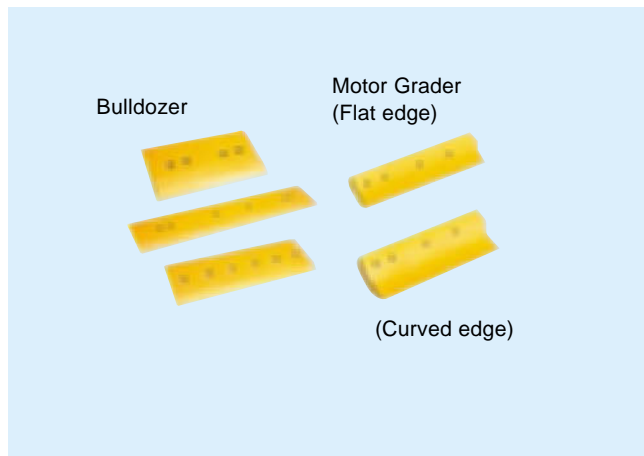
- Komatsu **genuine** GET parts are made of superior material and have undergone excellent heat treatment, providing superb durability. In addition, their high impact resistance ensures that Komatsu genuine GET parts can withstand any heavy-duty operation.

High economy

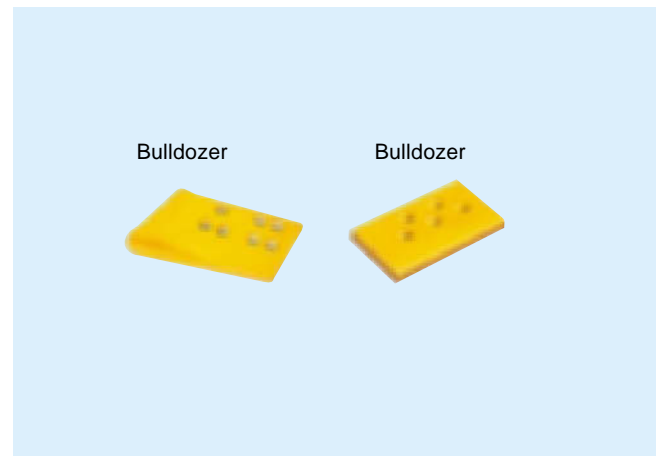
- Komatsu genuine GET parts are long-life, high economy parts with superb wear/breakage resistance.



1. Cutting Edges and End Bits



Cutting edges



End bits

High-Silicon steel edge with high wear resistance

Komatsu genuine cutting edges are tough cutting edges made of high-silicon steel, rolled and subjected to excellent heat treatment. In addition, the combination of cutting edges and end bits provides excellent cutting quality. The high wear resistance and impact resistance of Komatsu genuine cutting edges make them superb cutting edges which are suitable for any kind of operation. Moreover, the rear of the edge is chamfered to prevent loosening, wear, or breakage of mounting bolts.

Cutting edges are doubly economical

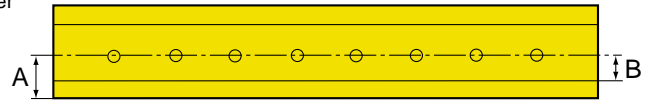
Komatsu cutting edges are economical because they can be turned over, thereby providing double the wear life. (Not applicable to cutting edges for motor graders.)

Cutting edge

Bulldozer

Remarks

PAT: Power Angle Tiltdozer ANG: Angledozer STT: Straight Tiltdozer
 ST: Straight-tiltdozer SU: Semi U-dozer U: U-dozer
 MAP: Mechanical Angle Power tiltdozer DTP-SU: Dual Tilt & Pitch dozer
 DTP-U: Dual Tilt & Pitch U-dozer WPAT: Wide Power Angle Tiltdozer



Model	Serial No.	Type of blade	Cutting edge	Q'ty	Bolt	Q'ty	Nut	Q'ty	Washer	Q'ty	Standard A	Wear limit B
D20/D21A-7	75001-	PAT	104-72-21140	1	02090-10840	10	02290-10813	10			76.5 (3.01)	66.5 (2.62)
		ANG	104-Z40-1160	1		12		12				
D20/D21P-7	75001-	STT	104-72-21140	1	02090-10840	10	02290-10813	10			76.5 (3.01)	66.5 (2.62)
		PAT	10G-72-21260	1		11		11				
D31E-20 D37E-5	42001- 3001-	PAT	12F-70-31261	1	02090-11050	11	02290-11016	11			80 (3.15)	55 (2.17)
		ANG	12F-70-31261 12F-70-31281	1 1		14		14				
D31P-20 D37P-5	42001- 3001-	STT	12F-70-31251	1	02090-11050	11	02290-11016	11			80 (3.15)	55 (2.17)
		PAT	12F-70-31261 12F-70-31281	1 1		14		14				
D40/D41A-3	6001-	ANG	12F-70-31281	2	02090-11060	16	02290-11016	16			80 (3.15)	55 (2.17)
		PAT	12F-70-31261	2		12		12				
		STT	12F-70-31261 12F-70-31251	1 1	02090-11055	11	02290-11016	11				
D41E-3	6001-	ANG, PAT	12F-70-31281	2	02090-11055	16	02290-11016	16			80 (3.15)	55 (2.17)
		STT, ST	12F-70-31251 12F-70-31281	1 1		13		13				
D40/D41P-3	6001-	STT, ST	12F-70-31251	3	02090-11055	15	02290-11016	15			80 (3.15)	55 (2.17)
		ANG	12F-70-31261	3		18		18				
D41E-6 D41P-6	B20001-	PAT	12F-70-31251	3	02090-11055	15	02290-11016	15			80 (3.15)	55 (2.17)
		PAT(Wide)	12F-70-31251	1		17		17				
			12F-70-31261	2								
D50/D53A-17	60001-	ANG	130-70-61170	2	02090-11270	20	02290-11219	20			102 (4.02)	77.5 (3.04)
		STT	13F-Z27-1510	2		16		16				
D50/D53P-17		STT, ST	13F-Z27-1510	2	02090-11270	20	02290-11219	20			102 (4.02)	77.5 (3.04)
		ANG	130-Z20-1510	1		24		24				
			130-920-2180	2								
D58E-1	80858-	STT	130-Z20-1510	2	02090-11270	20	02290-11219	20			102 (4.02)	77.5 (3.04)
		PAT	130-70-41130	1		17		17				
			130-Z20-1510	1								
	80858-81822	MAP	130-70-61170	2	20	20						
	81823-		130-70-61170	1	21	21						
		144-70-11131	2									
D58P-1	80858-	STT	13F-Z27-1510	2	02090-11270	20	02290-11219	20			102 (4.02)	77.5 (3.04)
		ANG	130-Z20-1510	1		24		24				
			130-920-2180	2								
		PAT	13F-Z27-1510 130-Z20-1610	1 2		22		22				
D61EX-12	1001-	PAT	134-72-61410	1	02090-11265	17	02290-11219	17			102 (4.02)	85 (3.35)
			134-72-61420	1								
		WPAT	13G-72-61420	1		22		22				
			13G-72-61420	2								
SU	13G-72-61420	1	15	15								
	14X-71-11310	2										
D61PX-12	1001-	PAT	13G-72-61410	11	02090-11265	22	02290-11219	22			102 (4.02)	85 (3.35)
			13G-72-61420	2								
D65E/EX-12	60001-	ANG	144-70-11311	2	02090-11270	22	02290-11219	22			102 (4.02)	85 (3.35)
		STT, ST	14X-71-11310	2		18		18				
	60001-60941 60942-	SU	14X-952-1130	2	16	16						
			130-70-41130	1	17	17						
			130-920-2180	1								
D65P/PX-12	60001-	ANG	130-920-2180	2	02090-11270	25	02290-11219	25			102 (4.02)	85 (3.35)
			130-70-51130	1								
		STT, ST	14Y-71-11210	2		22		22				

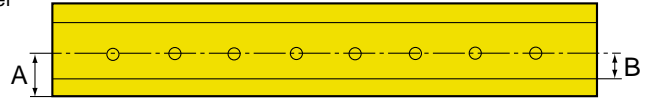
Ground engaging tools

Cutting edge

Bulldozer

Remarks

PAT: Power Angle Tiltdozer ANG: Angledozer STT: Straight Tiltdozer
 ST: Straight-tiltdozer SU: Semi U-dozer U: U-dozer
 MAP: Mechanical Angle Power tiltdozer DTP-SU: Dual Tilt & Pitch dozer
 DTP-U: Dual Tilt & Pitch U-dozer



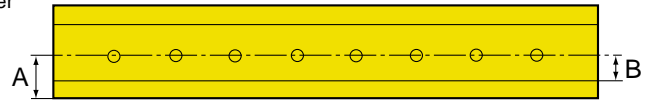
Model	Serial No.	Type of blade	Cutting edge	Q'ty	Bolt	Q'ty	Nut	Q'ty	Washer	Q'ty	Standard A	Wear limit B				
D75A-1	50001-	ANG	144-70-61140	2	02090-11275	24	02290-11219	24			102	85				
		STT, ST	144-920-1910	2	02090-11270	18		18			(4.02)	(3.35)				
D85E-SS-2A	2001-	ANG	154-72-11314	3	02090-11270	24	02290-11219	24			127	70				
		STT, ST	154-72-11151	3		18		18			(5.00)	(2.76)				
D85A/E-21 D85A-21B	25001-	STT, ST	154-72-11314	1	154-71-41270	20	154-70-22270	20	01643-21845	20	127	70				
			154-81-11191	2									(5.00)	(2.76)		
		ANG	154-72-11314	3									24	24	24	
		SU	154-72-11314	1									20	20	20	
			154-71-43190	2												
		U	154-72-11122	1									21	21	21	
			154-72-11151	2												
MAP	154-72-11314	2	25	25	25											
D85P-21	3001-	STT	154-72-11314	3	154-71-41270	24	154-70-22270	24	01643-21845	24	127	70				
			154-72-11314	2									28	28	28	
			154-81-11191	2												
D135A-2	10301-	STT	175-70-26310	3	175-71-11454	21	175-71-11530	21	01643-22245	21	127	70				
			U	175-71-21123									4	24	24	24
			ANG	175-70-21115									2	25	25	25
D155A-2	50001-	STT, SU	175-70-26310	3	175-71-11454	21	175-71-11530	21	01643-22245	21	127	70				
			U	175-71-21123									4	24	24	24
		ANG	175-70-26310	2									25	25	25	
			175-70-21115	1												
D155A/AX-3	60001-	SU	195-70-12492	1	17A-71-12451	19	17M-71-21530	19	01643-22460	19	165	107.5				
			17A-71-11351	2												
		U	17A-72-12221	2									22	22	22	
			17M-72-21160	2												
ANG	175-70-26310	1	175-71-11454	25	175-71-11530	25	01643-22245	25	127	106.5						
D155AX-5	70001-	SU	195-70-12492	1	17A-71-12451	19	17M-71-21530	19	01643-22460	19	165	107.5				
			17A-71-11351	1												
			U	17A-72-12221									2	22	22	22
D275A-2	10001-	SU	17M-71-21550	2	195-71-52280	21	17M-71-21530	21	01643-22460	21	165	107.5				
			195-71-11654	1												
			U	17M-71-21160									2	24	24	24
D355A-3	1632-	STT, ST	195-71-11654	3	195-71-11452	21	02290-11625	21	01643-22460	21	165	130				
			ANG	195-70-12492									3	27	27	27
			U	195-72-11144									2	26	26	26
195-71-11654	2															
D375A-2	16001-	SU, DTP-SU	198-72-11181	2	198-71-21710	22	195-71-61950	22	198-71-11230	22	203	132				
			195-71-61550	2												
		U, DTP-U	198-72-11181	2									26	26	26	
D375A-3	17001-	SU, STT	198-72-11181	2	198-71-21710	22	195-71-61950	22	198-71-11230	22	203	132				
			DTP-SU	195-71-61550									2			
		U, DTP-U	198-72-11181	2									26	26	26	
D475A-2	30001-	SU, DTP-SU	198-71-31550	2	198-71-21850	26	198-71-21911	26	198-71-21890	26	202.5	120				
			198-71-31540	2												
		U, DTP-U	198-71-31550	3									34	34	34	
			198-71-31540	2												

Cutting edge

Bulldozer

Remarks

PAT: Power Angle Tiltadozer ANG: Angledozer STT: Straight Tiltadozer
 ST: Straight-tiltadozer SU: Semi U-dozer U: U-dozer
 MAP: Mechanical Angle Power tiltadozer DTP-SU: Dual Tilt & Pitch dozer
 DTP-U: Dual Tilt & Pitch U-dozer SD: Super Dozer

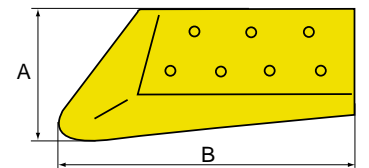


Model	Serial No.	Type of blade	Cutting edge	Q'ty	Bolt	Q'ty	Nut	Q'ty	Washer	Q'ty	Standard A	Wear limit B		
D475A-3	10601-	SU, DTP-SU	198-71-31550	2	198-71-21850	26	198-71-21911	26	198-71-21890	26	202.5 (7.97)	120 (4.72)		
			198-71-31540	2										
		U, DTP-U	198-71-31550	3									34	34
			198-71-31540	2										
D475A-3 SD	10601-	SD	198-71-31550	3	198-71-21850	34	198-71-21911	34	198-71-21890	34	405 (15.94)	351 (13.82)		
			198-71-31540	2										
D575A-2	10001-	U	19M-72-11231	3	19M-09-13130	38	19M-09-13140	38	01643-33690	38	406 (15.98)	346 (13.62)		
			19M-72-11241	2										
		SU	19M-72-11231	2									30	30
			19M-72-11241	2										
D575A-2 SD	10012-	SD	19M-72-11231	2	19M-09-13130	40	19M-09-13140	40	01643-33690	40	406 (15.98)	346 (13.62)		
			19M-72-11241	2										
			19M-72-21260	2										

End Bits

Bulldozer

Remarks PAT: Power Angle Tiltadozer ANG: Angledozer STT: Straight Tiltadozer
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 MAP: Mechanical Angle Power tiltadozer DTP-SU: Dual Tilt & Pitch dozer
 DTP-U: Dual Tilt & Pitch U-dozer *1: Strengthened type



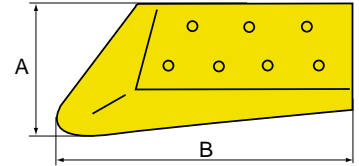
Model	Serial No.	Type of blade	End bit	Q'ty	Bolt	Q'ty	Nut	Q'ty	Washer	Q'ty	A		B	
											Standard	Wear limit	Standard	Wear limit
D20A-7 D21A-7	75001-	PAT, ANG	12F-929-2170	2	02090-10840	8	02290-10813	8			76.5 (3.01)	66.5 (2.62)	315 (12.40)	300 (11.81)
D20P-7 D21P-7	75001-	PAT STT	10G-72-21270 12F-929-2170	2 2	02090-10840	10 8	02290-10813	10 8			76.5 (3.01)	66.5 (2.62)	315 (12.40)	300 (11.81)
D31E-20 D37E-5	42001- 3001-	PAT, ANG	112-946-1510	2	02090-11050	8	02290-11016	8			80 (3.15)	55 (2.17)	-	-
D31P-20 D37P-5	42001- 3001-	STT PAT, ANG	11G-71-31170 112-946-1510	2 2	02090-11050	8	02290-11016	8			80 (3.15)	55 (2.17)	-	-
D40A-3 D41A-3	6001-	ANG PAT STT	120-70-31412 120-Y46-5162 120-Y46-5172	2 1 1	02090-11060 02090-11055	8 8	02290-11016	8			200 (7.87)	-	375 (14.76)	363 (14.29)
D41E-3	6001-	PAT STT	120-70-31412	2	02090-11060 02090-11055	8 8	02290-11016	8			200 (7.87)	-	375 (14.76)	363 (14.29)
D40P-3 D41P-3	6001-	STT, ANG	112-946-1510	2	02090-11055	8	02290-11016	8			160 (6.30)	110 (4.33)	-	-
D41E-6 D41P-6	B20001-	PAT PAT*1	11G-71-31170 120-70-31412	2 2	02090-11055 02090-11050	8 8	02290-11016	8			80 (3.15)	55 (2.17)	-	-
D50A-17 D53A-17	65001-	ANG, STT	144-70-11180 144-70-11190	1 1	02090-11270 02091-11205	4 6	02290-11219	10			255 (10.04)	216 (8.50)	255 (10.04)	210 (8.27)
D50P-17 D53P-17	65001-	STT ANG	13F-Z27-1582 13F-Z27-1572	1 1	02090-11270 02091-11205 02090-11270 02091-11210	4 6 4 6	02290-11219	10			222 (7.74)	202 (7.95)	325 (12.80)	310 (12.20)
D58E-1	80858-	ANG, MAP, STT, PAT	144-70-11180 144-70-11170	1 1	02090-11270 02091-11205	4 6	02290-11219	10			255 (10.04)	216 (8.50)	255 (10.04)	210 (8.27)
D58P-1	80858-	STT, PAT	13F-Z27-1582	1	02090-11270	4	02290-11219	10			222 (7.74)	202 (7.95)	325 (12.80)	310 (12.20)
			13F-Z27-1572	1	02091-11205	6								
		ANG		02090-11270	4	02091-11210								

Ground engaging tools

End Bits

Bulldozer

Remarks PAT: Power Angle Tiltdozer ANG: Angledozer STT: Straight Tiltdozer U: U-dozer
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 MAP: Mechanical Angle Power tiltdozer DTP-SU: Dual Tilt & Pitch dozer
 DTP-U: Dual Tilt & Pitch U-dozer WPAT: Wide Power Angle Tiltdozer

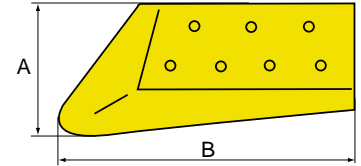


Model	Serial No.	Type of blade	End bit	Q'ty	Bolt	Q'ty	Nut	Q'ty	Washer	Q'ty	A		B		
											Standard	Wear limit	Standard	Wear limit	
D61EX-12	1001-	PAT	14Y-71-11330	1	02090-11265	10	02290-11219	10			237 (9.33)	204 (8.03)	325 (12.80)	309 (11.81)	
		WPAT	14Y-71-11340	1											
		SU	175-71-22272 175-71-22282	1 1	02090-11495	14	02290-11422	14	01643-22245	14	315 (12.40)	254 (10.00)	540 (21.26)	515 (20.28)	
D61PX-12	1001-	PAT	14Y-71-11330	1	02090-11265	10	02290-11219	10			237 (9.33)	204 (8.03)	335 (12.80)	300 (11.81)	
			14Y-71-11340	1											
D65E-12 D65EX-12	60001-	ANG, STT, ST	144-70-11251	1	02090-11270	10	02290-11219	10			235 (9.25)	202 (7.95)	325 (12.80)	310 (12.20)	
			144-70-11261	1											
	60001-60941	SU	154-70-21356	1	02090-11280	12	02290-11219	12			292 (11.50)	211 (8.31)	435 (17.13)	360 (14.17)	
			154-70-21346	1											
60942-		175-71-22272 175-71-22282	1 1	02090-11495	14	02290-11422	14			315 (12.40)	235 (9.25)	540 (21.26)	440 (17.32)		
D65P-12 D65PX-12	60001-	STT, ST	13F-Z27-1582	1	02090-11270	10	02290-11219	10			235 (9.25)	202 (7.95)	325 (12.80)	310 (12.20)	
		ANG	13F-Z27-1572	1	02090-11270 02091-11210	4 6									
D75A-1	50001-	ANG, STT	144-70-11251	1	02090-11270	4	02290-11219	10			235 (9.25)	202 (7.95)	325 (12.80)	310 (12.20)	
		ST	144-70-11261	1	02091-11210	6									
D85E-SS-2A	2001-	STT, ANG	154-70-21356	1	02090-11270	12	02290-11219	12			292 (11.50)	211 (8.31)	435 (17.13)	360 (14.17)	
			154-70-21346	1											
D85A/E-21	35001-	STT, ST, ANG	154-70-21356	1	154-70-41270	12	154-71-22270	12	01643-21845	12	292 (11.50)	211 (8.31)	435 (17.13)	360 (14.17)	
		U, MAP	154-70-21346	1											
D85P-21	3001-	STT	154-70-21356	1	154-70-41270	12	154-71-22270	12	01643-21845	12	292 (11.50)	211 (8.31)	435 (17.13)	360 (14.17)	
			154-70-21346	1											
		ANG	154-926-1120 154-926-1130	1 1											
D135A-2	10301-	STT	175-71-22272	1	175-71-11463	14	175-71-11530	14	01643-22245	14	315 (12.40)	235 (9.25)	540 (21.26)	440 (17.32)	
			175-71-22282	1											
		ANG, U	175-71-21126 175-71-21136	1 1											
D155A-2	50001-	STT, SU	175-71-22272	1	175-71-11463	14	175-71-11530	14	01643-22245	14	315 (12.40)	235 (9.25)	540 (21.26)	440 (17.32)	
			175-71-22282	1											
		ANG, U	175-71-21126 175-71-21136	1 1	175-71-11463	14	175-71-11530	14	01643-22245	14	315 (12.40)	235 (9.25)	540 (21.26)	440 (17.32)	
D155A-3 D155AX-3	60001-	SU, U	17M-71-21930	1	17A-71-12451	14	17M-71-21530	14	01643-22460	14	415 (16.34)	300 (11.81)	662 (26.06)	500 (19.69)	
			17M-71-21940	1											
D155AX-5	70001-	SU, U	17M-71-21930	1	17A-71-12451	14	17M-71-21530	14	01643-22460	14	415 (16.34)	300 (11.81)	662 (26.06)	500 (19.69)	
			17M-71-21940	1											
		ANG	175-71-21126 175-71-21136	1 1	175-71-11463	14	175-71-11530	14	01643-22245	14					
D275A-2	10001-	SU, DTP-SU, U, DTP-U	17M-71-21930	1	195-71-52280	14	17M-71-21530	14	01643-22460	14	415 (16.34)	300 (11.81)	662 (26.06)	500 (19.69)	
			17M-71-21940	1											
		For limestone	195-71-51630 195-71-51640	1 1											
D355A-3	1632-	STT, ST	195-71-11173	1	195-71-11452	14	02290-22460	14	01643-22460	14	400 (15.75)	300 (11.81)	680 (26.77)	500 (19.69)	
			195-71-11183	1											
		ANG, U	195-70-12610 195-70-12620	1 1											
D375A-2	16001-	SU, DTP-SU, U, DTP-U	195-71-61930	1	198-71-21720	16	198-71-61950	16	198-71-11230	16	400 (15.75)	300 (11.81)	680 (26.77)	500 (19.69)	
			195-71-61940	1											
		For limestone	195-71-62310 195-71-62320	1 1											
D375A-3	17001-	SU, DTP-SU, U, DTP-U, STT	195-71-61930	1	198-71-21720	16	198-71-61950	16	198-71-11230	16	400 (15.75)	300 (11.81)	680 (26.77)	500 (19.69)	
			195-71-61940	1											
		For limestone	195-71-62310 195-71-62320	1 1											

End Bits

Bulldozer

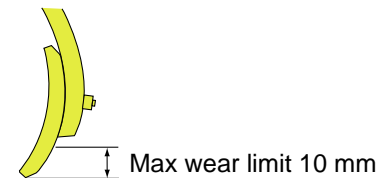
Remarks PAT: Power Angle Tiltdozer ANG: Angledozer STT: Straight Tiltdozer
 ST: Straight-tiltadozer SU: Semi U-dozer U: U-dozer
 MAP: Mechanical Angle Power tiltadozer DTP-SU: Dual Tilt & Pitch dozer
 DTP-U: Dual Tilt & Pitch U-dozer SD: Super Dozer



Model	Serial No.	Type of blade	End bit	Q'ty	Bolt	Q'ty	Nut	Q'ty	Washer	Q'ty	A		B	
											Standard	Wear limit	Standard	Wear limit
D475A-2	10201-	SU, DTP-SU, U, DTP-U	198-71-31520	1	198-71-21860	8	198-71-21911	16	198-71-21890	8	510	383	700	635
			198-71-31530	1	198-71-21870	8			198-71-21880	8	(20.09)	(15.08)	(27.56)	(25.00)
D475A-3	10601-	SU, DTP-SU, U, DTP-U	198-71-31520	1	198-71-21860	8	198-71-21911	16	198-71-21890	8	510	383	700	635
			198-71-31530	1	198-71-21870	8			198-71-21880	8	(20.09)	(15.08)	(27.56)	(25.00)
D475A-3 SD	10601-	SD	198-71-31520	1	198-71-21860	8	198-71-21911	16	198-71-21890	8	510	383	700	635
			198-71-31530	1	198-71-21870	8			198-71-21880	8	(20.09)	(15.08)	(27.56)	(25.00)
D575A-2	10001-	U, SU	19M-72-13210	1	19M-09-11391	16	19M-09-13140	16	01643-33690	16	495	350	780	620
			19M-72-13220	1							(19.49)	(13.78)	(30.71)	(24.41)
D575A-2 SD	10012-	SD	19M-72-13210	1	19M-09-11391	16	19M-09-13140	16	01643-33690	16	580	350	770	620
			19M-72-13220	1							(22.83)	(13.78)	(30.31)	(24.41)

Cutting edge and end bits

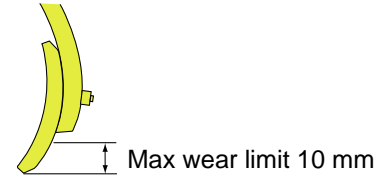
Motor grader



Model	Serial No.	Blade length	Cutting edge	Q'ty	End bit	Q'ty	Bolt	Q'ty	Nut	Q'ty	Washer	Q'ty
GD313A-1	30001-	3.1m (10'2")	233-70-12141	2	233-70-22150	2	232-70-12580 232-70-12590	18 4	232-70-12480	22	01643-31645	22
GD461A-1	10001-	3.13m (10'3")	237-70-12141	2	237-70-22150	2	232-70-12580 232-70-12590	18 4	232-70-12480	22	01643-31645	22
GD510R-1	15001-	3.7m (12'2")	232-70-12143	2	232-70-52190	2	232-70-12450 232-70-12460	18 4	232-70-12480	22	01643-31645	22
GD511A-1	10001-	3.7m (12'2")	232-70-12143	2	232-70-52190	2	232-70-12450 232-70-12460	18 4	232-70-12480	22	01643-31645	22
GD511R-1	10001-	3.7m (12'2")	232-70-12143	2	232-70-52190	2	232-70-12450 232-70-12460	18 4	232-70-12480	22	01643-31645	22
GD521A-1	10001-	3.7m (12'2")	232-70-12143	2	232-70-52190	2	232-70-12450 232-70-12460	28 4	232-70-12480	32	01643-31645	32
GD521R-1	10001-	3.7m (12'2")	232-70-12143	2	232-70-52190	2	232-70-12450 232-70-12460	28 4	232-70-12480	32	01643-31645	32
			232-70-12143 234-70-12193	1 1	232-70-52190	2	232-70-12450 232-70-12460	30 4	232-70-12480	34	01643-31645	34
GD523A-1	30001-	3.7m (12'2")	232-70-12143	2	232-70-52190	2	232-70-12450 232-70-12460	28 4	232-70-12480	32	01643-31645	32
GD523R-1	30001-	3.7m (12'2")	232-70-12143	2	232-70-52190	2	232-70-12450 232-70-12460	28 4	232-70-12480	32	01643-31645	32
			232-70-12143 234-70-12193	1 1	232-70-52190	2	232-70-12450 232-70-12460	30 4	232-70-12480	34	01643-31645	34
GD525A-1C	60001-	3.7m (12'2")	232-70-12143	2	232-70-52190	2	232-70-12450 232-70-12460	28 4	232-70-12480	32	01643-31645	32
			232-70-12143 234-70-12193	1 1	232-70-52190	2	232-70-12450 232-70-12460	30 4	232-70-12480	34	01643-31645	34
			234-70-12193	2	232-70-52190	2	232-70-12450 232-70-12460	32 4	232-70-12480	36	01643-31645	36
GD611A-1	10001-	3.7m (12'2")	232-70-12143	2	232-70-52190	2	232-70-12450 232-70-12460	28 4	232-70-12480	32	01643-31645	32
GD611R-1		3.7m (12'2")	232-70-12143	2	232-70-52190	2	232-70-12450 232-70-12460	32 4	232-70-12480	32	01643-31645	32
		4.0m (13'1")	232-70-12143 234-70-12193	1 1	232-70-52190	2	232-70-12450 232-70-12460	30 4	232-70-12480	34	01643-31645	34
		4.3m (14'1")	234-70-12193	2	232-70-52190	2	232-70-12450 232-70-12460	32 4	232-70-12480	36	01643-31645	36
GD621A-1	10022-	3.7m (12'2")	232-70-12143	2	232-70-52180	2	232-70-12460	36	232-70-12480	36	01643-31645	36

Ground engaging tools

Cutting edge and end bits



Motor grader

Model	Serial No.	Blade length	Cutting edge	Q'ty	End bit	Q'ty	Bolt	Q'ty	Nut	Q'ty	Washer	Q'ty				
GD621R-1	10003-	3.7m (12'2")	232-70-12143	2	232-70-52180	2	232-70-12460	36	232-70-12480	36	01643-31645	36				
		4.0m (13'1")	232-70-12143	1	232-70-52180	2	232-70-12450	26	232-70-12480	38	01643-31645	38				
			234-70-12193	1	232-70-52190	2	232-70-12460	10	232-70-12470	2						
GD623A-1	30067-	3.7m (12'2")	232-70-12143	2	232-70-52180	2	232-70-12450	36	232-70-12480	36	01643-31645	36				
		4.0m (13'1")	232-70-12143	1	232-70-52180	2	232-70-12450	26	232-70-12480	38	01643-31645	38				
			234-70-12193	1	232-70-52190	2	232-70-12460	10	232-70-12470	2						
GD625A-1C	60001-	3.7m (12'2")	232-70-12143	2	232-70-52180	2	232-70-12550	36	232-70-12480	36	01643-31645	36				
		4.0m (13'1")	232-70-12143	2	232-70-52190	2	232-70-12550	38	232-70-12480	38	01643-31645	38				
			234-70-12193	2	232-70-52190	2	232-70-12550	40	232-70-12480	40	01643-31645	40				
GD661A-1	30001-	3.7m (12'2")	232-70-12143	2	232-70-52190	2	232-70-12450	28	232-70-12480	32	01643-31645	32				
GD705A-4	21001-	4.3m (14'1")	234-70-12710	2	234-70-32230	2	234-70-32250	26	234-70-32290	40	01643-32060	40				
					234-70-32240	2	234-70-32260	2					234-70-32270	10	234-70-32280	2
GD725A-1	50001-	4.3m (14'1")	234-70-12710	2	234-70-32230	2	234-70-32250	26	234-70-32290	40	01643-32060	40				
					234-70-32240	2	234-70-32260	2					234-70-32270	10	234-70-32280	2
					234-70-32230	2	234-70-32250	30					234-70-32260	2	234-70-32270	10
GD825A-2	11001-11027	4.9m (16'1")	235-70-12140	2	234-70-32230	2	234-70-32260	32	234-70-32290	44	01643-32060	44				
	11028-12000				234-70-32240	2	234-70-32270	10					234-70-32280	2		
					234-70-32260	26	234-70-32270	4					235-70-12330	6	234-70-32280	2
12001-	235-70-12320	2	234-70-32230	2	234-70-32260	8	234-70-32270	36	44	44						

Bolt-on cutting edge

Wheel loader

Remarks *1: 2366 mm (93.1") width *2: 2388 mm (94") width *3: Long life type *4: For coal bucket

Model	Serial No.	Cutting edge	Q'ty	Side edge	Q'ty	Bolt	Q'ty	Nut	Q'ty	Washer	Q'ty
WA30-5	18970-	362-972-1111	1			02090-11050	6	02205-11015	6	01643-31645	6
WA50-3	20642-	363-70-21190	1			02090-11050	7	02205-11015	7	01643-31645	7
WA70-1	20001-	415-815-1110	1	415-815-1120	2	02090-11060	11	02290-11016	11	01643-31645	11
WA100-1	20001-	416-815-1210*1	1	416-815-1220*1	2	02090-11275	8	02290-11219	8	01643-32060	8
		415-815-1310*2	1	416-815-1320*2	2						
WA120-1	10001-	415-815-1310	1	416-815-1320	2	02090-11270	8	02290-11219	8	01643-32060	8
WA120-3	50001-	415-815-1310	1	416-815-1320	2	02090-11270	8	02290-11219	8	01643-32060	8
WA180-1	10001-	417-815-1210	1	417-815-1220	2	02090-11475	8	02290-11422	8	01643-32260	8
WA180-3	50001-	417-815-1210	1	417-815-1220	2	02090-11475	8	02290-11422	8	01643-32260	8
WA250-1	10001-	418-815-1211	1	418-815-1221	2	02090-11685	8	02290-11625	8	01643-22460	8
WA250-3	50001-	418-815-1211	1	418-815-1221	2	02090-11685	8	02290-11625	8	01643-22460	8
WA320-1	10001-	419-815-1211	1	418-815-1221	2	02090-11685	8	02290-11625	8	01643-22460	8
WA320-3	50001-	419-815-1211	1	418-815-1221	2	02090-11685	8	02290-11625	8	01643-22460	8
WA380-1	10001-	423-815-1211	1	423-815-1221	2	02090-11485	14	02290-11422	14	01643-32260	14
WA380-3	50001-	424-815-1111	1	424-815-1131	2	02090-11485	16	02290-11422	16	01643-32260	16
WA420-1	10001-	424-815-1211	1	421-815-1221	2	02090-11485	16	02290-11422	16	01643-32260	16
WA420-3	50001-	421-815-1111	1	421-815-1221	2	02090-11485	16	02290-11422	16	01643-32260	16
WA470-1	20001-	421-815-1211	1	421-815-1221	2	02090-11485	16	02290-11422	16	01643-32260	16
WA470-3	50001-	421-815-2110	1	421-815-1121	2	02090-11485	16	02290-11422	16	01643-32260	16
		421-T79-2150*3	1	421-T79-2160*3	2						
WA500-1	20001-	425-815-1310	1	425-815-1320	2	02091-11605	16	02290-11625	16	01643-32780	16
		425-815-1510*4	1	425-815-1520*4	2						
WA500-3	50001-	425-815-2110	1	425-815-1320	2	02091-11605	16	02290-11625	16	01643-32780	16
WA600-1	10001-	426-815-1110	1	426-815-1120	2	02091-12030	16	02290-12031	16	01643-33380	16
				426-815-1130	2						
WA600-3	50001-	426-815-1110	1	426-815-1120	2	02091-12030	16	02290-12031	16	01643-33380	16
				426-815-1130	2						
WA800-2	10501-	427-T72-1210	1	427-T72-1220	2	02091-12005	40	02290-12031	40	01643-33380	40
				427-T70-1230	2						

Cutting edges and end bits

Trash compactor

Model	Serial No.	Cutting edge	Q'ty	Side edge	Q'ty	Bolt	Q'ty	Nut	Q'ty	Washer	Q'ty
WF450T-1	10001-	256-70-11280	1	144-70-11250	1	02090-11270	30	02290-11219	34		
		144-920-1120	2	144-70-11260	1	02091-11200	4				
WF600T-1	10001-	41L-70-15610	3	150-70-21356	1	02090-31285	24	02290-11219	36	01643-21845	36
				154-70-21346	1	02090-21265	6				
						02090-21290	6				

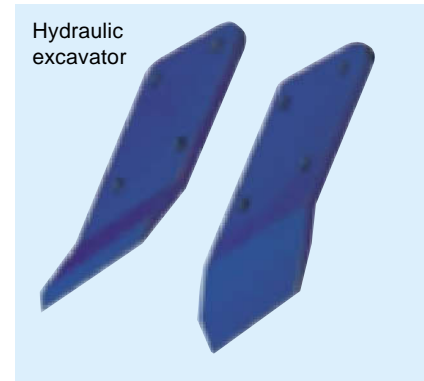
2. Edges, Side Corners and Side Cutters



Edges



Side corners



Side cutters

Excellent cutting quality

The combination of Komatsu **genuine** side cutter and bucket teeth ensures a sharp digging force which will increase your production output.

Excellent bucket life

Komatsu genuine side cutters protect the side face of the bucket and extend bucket life. In addition, they increase the bucket width and capacity, and at the same time, reduce the maintenance cost and operating costs of the bucket.

Edges

Dozer shovels

Remarks *1: Large bucket *2: 2500 mm width
*3: 2630 mm width

Model	Serial No.	Edge	Q'ty	Side corner	Q'ty
D20/D21S-7	61001-	103-70-22121	1	-	
D20/D21Q-7	61001-	10K-70-11120	1	-	
D31S-20	41001-	113-70-32120	1	113-70-22130	2
		113-Y02-1120* ¹			
D31Q-20	41001-	11K-70-32120	1	113-70-22130	2
D57S-1	6501-	135-70-32210	1	135-70-33230	1
				135-70-33240	1
D66S-1	1400-	142-70-12520	1	142-923-1140	1
				142-923-1150	1
D75S-5	7001-	145-70-43122* ²	1	145-70-43140	1
		145-70-43331* ³	1	145-70-43150	1

Edges

Wheel loader

Remarks *1: For segment edge

Model	Serial No.	Bucket capacity (m³)	Edge	Q'ty	Side plate (Side corner)	Q'ty
WA30-5	18970-	0.4	362-70-42230	1	362-70-42180	2
WA50-3	20642-	0.6	363-70-32130	1	42A-70-22180	2
WA70-1	20001-	0.8	415-70-12121	1	415-70-12160	1
					415-70-12170	1
WA100-1	20001-	0.8, 1.0	416-70-12121	1	417-70-12141	1
			1.2	1	417-70-12151	1
			1.4	1		
WA120-1	20001-	1.4, 1.7	417-70-12121	1	417-70-12141	1
					417-70-12151	1
WA120-3	50001-	1.2	417-70-12121	1	416-70-22120	2
		1.4			416-70-22220	2
		1.6			417-820-2120	2
WA180-1	10001-	1.73	418-70-12121	1	417-70-12341	1
					417-70-12351	1
WA180-3	50001-	1.4	418-70-12121	1	417-70-22220	2
WA250-1	10001-	1.8, 2.0	419-70-12122	1	418-70-12431	1
		2.1, 2.7			418-70-12441	1
		2.0	418-70-12520	1		
WA250-3	50001-	1.8, 1.9, 2.1	419-70-12122	1	418-70-22220	2
		2.7			418-820-2220	2
WA320-1	10001-	2.1, 3.2	419-70-12221	1	419-70-12431	1
		2.4	419-70-12320	1	418-70-12441	1
		2.5	419-70-12221	1	419-70-12154	1
					419-70-12164	1
		spade nose	419-819-1120	1	419-819-1130	1
					419-819-1140	1
WA320-3	50001-52999	2.0*1	419-T65-2120	1	419-806-2130	2
		2.3	419-70-12221	1		
		2.5	419-70-12221	1	419-70-22230	2
		2.5*1	419-T60-2120	1	419-70-22430	2
		3.2	419-70-12122	1	419-820-2130	2
	53001-	2.0*1	419-T65-2120	1	419-806-2130	2
		2.5*1			419-70-22430	2
		2.7	419-70-12221	1	419-70-22430	2
		3.2			419-820-2130	2
WA320-3 CUSTOM	50001-	2.3	419-70-12221	1	419-70-22230	2
WA380-1	20001-	2.6	424-70-12220	1	424-806-1160	1
					424-806-1170	1
		3.1	424-70-12220	1	424-70-12160	1
					424-70-12170	1
		2.9, 3.8	424-70-12220	1	424-70-12152	1
					424-70-12162	1
WA380-3	50001-	3.0	424-70-12220	1	424-70-22250	2
WA420-1	20001-	3.1	424-70-12122	1	424-806-1160	1
					424-806-1170	1
		3.4	424-70-12420	1	421-70-12260	1
					421-70-12270	1
		3.5	424-70-12122	1	421-70-12152	1
					421-70-12162	1
		3.1	423-809-1120	1	421-809-1340	1
		spade nose			421-809-1350	1
WA420-3	50001-	3.5	421-70-12122	1	424-70-22250	2
WA470-1	10001-	3.5	421-70-12430	1	421-806-1160	1
					421-806-1170	1
		3.9			421-70-12152	1
					421-70-12162	1
		3.1, 3.5	421-809-1320	1	421-809-1340	1
		spade nose			421-809-1350	1
WA470-3	50001-	3.9	421-70-12430	1	421-70-22730	2

Remarks *1: For segment edge

Model	Serial No.	Bucket capacity (m³)	Edge	Q'ty	Side plate (Side corner)	Q'ty
WA500-1	20001-	3.8, 4.0, 4.4	425-70-12321	1	425-70-12251	1
		6.0 coal	425-V64-1120	1	425-70-12261	1
		8.0 coal	425-V63-1210	1		
		4.0	425-70-12122	1	425-70-12250	1
		Weld-on teeth			425-70-12260	1
		3.0	425-809-1121	1	425-809-1152	1
		spade nose			425-809-1162	1
		4.0			425-809-1350	1
		spade nose			425-809-1360	1
		4.0 Heavy duty	425-809-1122	1	425-V65-1150	1
		spade nose			425-V65-1160	1
WA500-3	50001-	4.3, 4.7	425-70-12321	1	425-70-12251	1
					425-70-12261	1
WA600-1	10001-	3.1	426-V77-1120	1	426-70-12450	1
		5.4	426-806-1120	1	426-70-12460	1
		5.4 w/teeth	426-V67-1120	1		
		5.4 tip teeth	426-807-1120	1	426-807-1151	1
					426-807-1161	1
		5.4	426-70-12122	1	426-70-12153	1
		spade nose			426-70-12163	1
		Heavy duty	426-V65-1120	1	426-V65-1140	1
		spade nose			426-V65-1150	1
WA600-3	50001-	6.1	426-806-1120	1	426-70-12450	1
					426-70-12460	1
		6.1 w/gusset	426-807-1120	1	426-806-2240	2
		6.1 tip teeth				
		6.0, 6.1	426-V65-1120	1	426-70-22150	1
		spade nose			426-70-22160	1
WA700-1	10001-	8.5, 9.2	428-806-1121	1	428-70-12151	1
		9.2*1	428-T70-1130*1	1	428-70-12161	1
		8.5 spade nose	428-70-12121	1		
WA700-3	50001-	8.7	428-70-22120	1	428-70-12151	1
		spade nose			428-70-12161	1
WA800-2	10501-	9.5, 10.5	427-806-1123	1	427-70-12152	1
		8.0, 9.5, 10.5	427-70-12125	1	427-70-12162	1
		spade nose				
		10.5 Heavy duty	427-V65-1322	1	427-V65-1362	1
		spade nose			427-V65-1372	1
		14.0	427-T67-1121	1	427-70-12152	1
		Load & carry			427-70-12162	1
WA800-3	50001-	11.0	427-70-13951	1	427-818-1371	1
		spade nose			427-818-1381	1
WA900-1	10001-	13.0	427-70-12125	1	427-70-12152	1
		spade nose			427-70-12162	1
WA900-3	50001-	13.0	427-70-13951	1	427-818-1371	1
		spade nose			427-818-1381	1

Ground engaging tools

Edges and bolt-on side cutters

Hydraulic excavators

Remarks *1: For weld-on tip type teeth *2: For horizontal type pin *3: For heavy duty bucket *4: Side shrouds
*5: For rock bucket *6: Washer *7: Pin

Model	Serial No.	Bucket width	Edge	Q'ty	Side cutter	Q'ty	Bolt	Q'ty	Nut	Q'ty
PC05-7	8001-	250 mm (9.8")	20M-926-7120	1	20M-70-75130	1	01675-31234	6	01803-21213	6
PC12R-8	10001-	350 mm (13.8")	20M-70-75120	1	20M-70-75140	1				
PC15R-8	10001-	400 mm (15.7")	20W-70-25120	1						
PC10-7	25001-27776	250 mm (9.8")	20P-926-7220	1	20S-70-71330	1	20P-70-71350	6	20P-70-71360	6
PC15-3	5001-6221	350 mm (13.8")	20P-926-7120	1	20S-70-71340	1				
PC20-7	35001-42354	430 mm (16.9")	20R-70-71320	1						
		530 mm (20.9")	20P-920-7120	1						
PC10-7	27777-	250 mm (9.8")	20P-926-7225	1	20S-70-71330	1	20P-70-71351	6	20P-70-71360	6
PC15-3	6222-	350 mm (13.8")	20P-926-7125	1	20S-70-71340	1				
PC20-7	42355-	430 mm (16.9")	20N-70-71351	1						
PC20MRX-1	10001-	530 mm (20.9")	20P-920-7125	1						
PC20R-8	10001-									
PC25R-8	10001-									
PC27R-8	10001-									
PC25-1	1001-	250 mm (9.8")	20R-926-7120	1	20S-70-71330	1	20P-70-71351	6	20P-70-71360	6
			20R-926-7320*1	1	20S-70-71340	1				
		280 mm (11.0")	20R-926-7220	1						
			20R-926-7420*1	1						
		350 mm (13.8")	20S-926-7120	1						
			20S-926-7320*1	1						
		425 mm (16.7")	20P-70-71320	1						
			20R-70-72420*1	1						
		525 mm (20.7")	20S-70-71320	1						
			20S-70-72420*1	1						
PC30-7	18001-	280 mm (11.0")	20R-926-7220	1	20S-70-71330	1	20P-70-71351	6	20P-70-71360	6
			20R-926-7420*1	1	20S-70-71340	1				
		350 mm (13.8")	20S-926-7120	1						
			20S-926-7320*1	1						
		425 mm (16.7")	20R-70-71320	1						
			20R-70-72420*1	1						
		525 mm (20.7")	20S-70-71320	1						
			20S-70-72420*1	1						
		630 mm (24.9")	20S-920-7120	1						
			20S-920-7220*1	1						
PC30MRX-1	10001-	180mm (7.1")	21U-926-3320	1	20S-70-71330	1	20P-70-71351	6	20P-70-71360	6
		210mm (8.3")	21U-926-3420	1	20S-70-71340	1				
		280mm (11.0")	21U-926-3120	1						
		430mm (16.9")	21U70-31711	1						
		530mm (20.9")	21U-920-3120	1						
PC30R-8	10001-	280 mm (11.0")	20R-926-7420	1	20S-70-71330	1	20P-70-71351	6	20P-70-71360	6
PC35R-8	35001-	350 mm (13.8")	20S-926-7320	1	20S-70-71340	1				
		425 mm (16.7")	20R-70-72420	1						
		525 mm (20.7")	20S-70-72420	1						
		630 mm (24.9")	20S-920-7220	1						
PC40-7	18001-	300 mm (11.8")	20T-926-7220	1	20U-70-13241	1	20U-70-28130	8	203-32-51220	8
			20T-926-7420*1	1	20U-70-13251	1				
		435 mm (17.1")	20T-926-7120	1						
			20T-926-7320*1	1						
		535 mm (21.1")	20T-70-77320	1						
			20T-70-77420*1	1						
			20T-70-77820*1	1						
		585 mm (23.0")	20T-70-71320	1						
			20T-70-72420*1	1						
PC40MRX-1	1001-	435mm (17.1")	20T-926-7320	1	20U-70-13241	1	20U-70-28130	8	203-32-51220	8
		535mm (21.1")	22M-70-12120	1	20U-70-13251	1				
PC40R-8	30001-	300 mm (11.8")	20T-926-7420	1	20U-70-13241	1	20U-70-28130	8	203-32-51220	8
		435 mm (17.1")	20T-926-7320	1	20U-70-13251	1				
		535 mm (21.1")	20T-70-77420	1						
		585 mm (23.0")	20T-70-72420	1						

Edges and bolt-on side cutters

Hydraulic excavators

Remarks *1: For weld-on tip type teeth *2: For horizontal type pin *3: For heavy duty bucket *4: Side shrouds
 *5: For rock bucket *6: Washer *7: Pin

Model	Serial No.	Bucket width	Edge	Q'ty	Side cutter	Q'ty	Bolt	Q'ty	Nut	Q'ty
PC45-1	1001-	300 mm (11.8")	20T-926-7220	1	20U-70-13241 20U-70-13251	1 1	20U-70-28130	8	203-32-51220	8
			20T-926-7420*1	1						
		435 mm (17.1")	20T-926-7120	1						
			20T-926-7320*1	1						
			20T-70-71320	1						
		585 mm (23.0")	20T-70-71820*1	1						
			20T-70-72420*1	1						
20T-920-7120	1									
635 mm (25.0")	20T-920-7220*1	1								
PC45R-8	5001-	300 mm (11.8")	20T-926-7420	1	20U-70-13241 20U-70-13251	1 1	20U-70-28130	8	203-32-51220	8
		435 mm (17.1")	20T-926-7320	1						
		585 mm (23.0")	20T-70-7242	1						
		635 mm (25.0")	20T-920-7220	1						
PC60-7	45001-	350 mm (13.8")	20X-926-2320	1	201-70-74171 201-70-74181	1 1	21W-70-21810	6	01803-02228	6
		450 mm (17.7")	20X-926-2420	1						
		550 mm (21.7")	201-926-7320	1						
		650 mm (25.6")	201-70-74121	1						
		650 mm (25.6")	201-70-74C50*2	1						
		725 mm (28.5")	20X-70-23120	1						
		201-70-74520*2	1							
PC100-6	40001-	450 mm (17.7")	203-903-6140	1	202-70-63161 202-70-63171	1 1	208-32-11231	8	01803-02228	8
		600 mm (23.6")	203-926-6240	1						
		700 mm (27.6")	203-926-6340	1						
		830 mm (32.7")	202-70-74120	1						
		1000 mm (39.4")	202-920-7140	1						
PC120-6 PC128US-2	45001- 5001-	450 mm (17.7")	203-926-6140	1	202-70-63161 202-70-63171	1 1	208-32-11231	8	01803-02228	8
		600 mm (23.6")	203-926-6240	1						
		700 mm (27.6")	203-926-6340	1						
		860 mm (33.9")	203-70-64120	1						
		1000 mm (39.4")	203-920-6140	1						
PC130-6	45001-	830 mm (32.7")	202-70-74120	1	202-70-63161 202-70-63171	1 1	208-32-11231	8	01803-02228	8
		860 mm (33.9")	203-70-64120	1						
PC200-6	80001- 80001-96513 96514- 80001- 80001-94998 94999- 80001-94998 94999- 80001-	750 mm (29.5")	205-926-7221	1	205-70-74180 205-70-74190	1 1	176-32-11210	8	01803-02430	8
		1045 mm (41.1")	20Y-70-14121	1						
			20Y-70-14122	1						
			20Y-939-2120*3	1						
		1200 mm (47.2")	20Y-920-1120	1						
			20Y-920-1121	1						
		1330 mm (52.4")	20Y-920-1220	1						
			20Y-920-1221	1						
	20Y-920-1420	1								
PC210-5K	K20001-	1045 mm (41.1")	20Y-70-14120	1	205-70-74180 205-70-74190	1 1	176-32-11210	8	01803-02430	8
PC210-6	30001-	1045 mm (41.1")	20Y-934-2120	1	20Y-934-2150*4	2	209-32-11234	6	195-32-11222	6
PC220-6	50001- 50001-52740 52741-	900 mm (35.4") 1155 mm (45.5")	206-926-5220	1	205-70-74180 205-70-74190	1 1	176-32-11210	8	01803-02430	8
			206-70-58142	1						
			206-70-58143	1						
	206-939-5520*3	1								
	50001-52740	1300 mm (51.2")	206-920-6120	1						
	52741-		206-920-6121	1						
	50001-52740	1400 mm (55.1")	206-920-6220	1						
52741-		206-920-6221	1							
PC228USLC-1	11001- 11001- 11001-10661 10662- 11001- 11001- 11001-	750mm (29.5")	205-926-7221	1	205-70-74180 205-70-74190	1 1	176-32-11210	8	01803-02430	8
		1045mm (41.1")	20Y-70-14122	1						
		1045mm (41.1")	20Y939-2120*3	1						
		1045mm (41.1")	20Y-939-2121*3	1						
		1200mm (47.2")	20Y-920-1121	1						
		1330mm (52.4")	20Y-920-1221	1						
1450 mm (57.1")	20Y-920-1420	1								
PC230-6	10001-	1155 mm (45.5")	206-934-6120	1	20Y-934-2150*4	2	209-32-11234	6	195-32-11222	6

Ground engaging tools

Edges and bolt-on side cutters

Hydraulic excavators

Remarks *1: For weld-on tip type teeth *2: For horizontal type pin *3: For heavy duty bucket *4: Side shrouds
*5: For rock bucket *6: Washer *7: Pin

Model	Serial No.	Bucket width	Edge	Q'ty	Side cutter	Q'ty	Bolt	Q'ty	Nut	Q'ty
PC240-5K	K20001-	1155 mm (45.5")	206-70-58141	1	205-70-74180 205-70-74190	1 1	176-32-11210	8	01803-02430	8
PC300-5	20001-	610 mm (24.0")	207-926-5220	1	207-70-34160	1	209-32-11234	10	195-32-11222	10
		1145 mm (45.1")	207-926-5120	1	207-70-34170	1	21N-32-11211*5	10	195-32-41220*5	10
		1340 mm (52.8")	207-70-54140	1						
		1155 mm (45.5")	207-920-5120	1						
		1700 mm (66.9")	207-920-5220	1						
PC300-5K	K20001-	1340 mm (52.8")	207-70-54140	1	207-70-34160 207-70-34170	1 1	209-32-11234	10	195-32-11222	10
PC300-6	30001-	610 mm (24.0")	207-926-5220	1	207-70-34160	1	209-32-11234	0	195-32-11222	10
		1145 mm (45.1")	207-926-5120	1	207-70-34170	1	21N-32-11211*3	10	195-32-41220*3	10
		1340 mm (52.8")	207-70-54140	1						
		1340 mm (52.8")	207-934-6150*3	1						
		1155 mm (45.5")	207-920-5120	1						
PC350-6	10001-11999	1340 mm (52.8")	207-934-6150	1	207-70-34160 207-70-34170	1 1	21N-32-11211	10	195-32-41220	10
	12001-	1340 mm (52.8")	207-934-6151	1	209-70-54610*4	2	01011-83000	6	01580-13024	6
PC400-5	20001-	1120 mm (49.1")	208-926-5120	1	208-70-34160	1	198-32-14210	10	198-32-11221	10
		1270 mm (50.0")	208-926-5220	1	208-70-34170	1	208-934-5160*5	10		
		1390 mm (54.7")	208-934-5150*5	1						
		1425 mm (56.1")	208-70-54140	1						
		1565 mm (61.6")	208-920-5120	1						
		1715 mm (67.4")	208-920-5240	1						
PC400-6	30001-	1120 mm (49.1")	208-926-5120	1	208-70-34160	1	198-32-14210	10	198-32-11221	10
		1270 mm (50.0")	208-926-5220	1	208-70-34170	1	208-934-5160*3	10		
		1390 mm (54.7")	208-934-5150*3	1						
		1425 mm (56.1")	208-70-54140	1						
		1565 mm (61.6")	208-920-5120	1						
		1715 mm (67.4")	208-920-5240	1						
	30001-31999	1390 mm (54.7")	208-934-6150*3	1	209-70-54610*4	4	01011-83005	12	01580-13024	12
32001-		208-934-6151*3	1			01643-33080*6	24			
PC450-6	10001-11999	1390 mm (54.7")	208-934-5150	1	208-70-34160 208-70-34170	1 1	208-934-5160*6	10	198-32-11221	10
	12001-	1390 mm (54.7")	208-934-6150*3 208-934-6151*3	1 1	209-70-54610*4	4	01011-83005 01643-33080*6	12 24	01580-13024	12
PC600-6	10001-	1600 mm (63.0")	21M-70-14120*2	1	209-70-14181 209-70-14191	1 1	209-70-14210	12	21T32-11320	12
		1655 mm (65.2")	21M-939-1211*3	1	427-70-13610	4	09244-12496*7	8		
PC650-5	20164-	1324 mm (52.1")	209-926-5120	1	209-70-14181	1	209-70-14210	12	21T-32-11320	12
		1524 mm (60.0")	209-70-54151	1	209-70-14191	1			01643-33380*6	12
		1683 mm (66.3")	209-920-5310	1						
		1930 mm (76.0")	209-920-5320	1						
PC650SE-5	20164-	2000 mm (78.7")	209-939-5220	1	209-70-54610*4	4	01011-83015	12	01580-33080	12
PC710SE-5	11019-	2070 mm (81.5")	209-939-5470	1				01643-33380*6	24	
PC710-5	11019-	1490 mm (58.7")	209-939-5310	1	209-70-54610*4	4	01011-83015	12	01580-33080	12
		1670 mm (65.7")	209-939-5190	1					01643-33380*6	24
PC750-6	10001-	1550 mm (61.0")	209-70-74640	1	209-70-14181	1	209-70-14210	12	21T-32-11320	12
		1700 mm (66.9")	209-70-74611	1	209-70-14191	1			01643-33380*6	12
		2230 mm (87.8")	209-939-7650	1	209-70-54610*4	4	01011-83015	12	01580-33080 01643-33380*6	12 24
PC750SE-6	10001-	1700 mm (66.9")	209-70-74611	1	209-70-14181 209-70-14191	1 1	209-70-14210	12	21T-32-11320 01643-33380*6	12 12
		2000 mm (78.7")	209-939-7640	1	209-70-54610*4	4	01011-83015	12	01580-33080	12
		2150 mm (84.6")	209-939-7621	1					01643-33380*6	24
		2230 mm (87.8")	209-939-7650	1						
PC800-6	30001-	1900 mm (74.8")	209-939-7630	1	209-70-54610*4	4	01011-83015	12	01580-33080	12
		2230 mm (87.8")	209-939-7650	1					01643-33380*6	24
PC800SE-6	30001-	2000 mm (78.7")	209-939-7640	1	209-70-54610*4	4	01011-83015	12	01580-33080	12
		2150 mm (84.6")	209-939-7621	1					01643-33380*6	24

Edges and bolt-on side cutters

Hydraulic excavators

Remarks *1: For weld-on tip type teeth *2: For horizontal type pin *3: For heavy duty bucket *4: Side shrouds
 *5: For rock bucket *6: Washer *7: Pin

Model	Serial No.	Bucket width	Edge	Q'ty	Side cutter	Q'ty	Bolt	Q'ty	Nut	Q'ty				
PC1000-1	10001-	1410 mm (55.5")	21N-926-1120	1	21N-70-14180	1	21N-09-11121	12	21N-09-11131	12				
		1700 mm (66.9")	21N-926-1320	1	21N-70-14190	1								
		1890 mm (74.4")	21N-70-14150	1										
		2100 mm (82.7")	21N-920-1120	1										
PC1000SE-1	10001-	1940 mm (76.4")	21N-939-1120	1	-		-		-					
		2100 mm (82.7")	21N-934-1120	1										
PC1000SP-1	10351-	1940 mm (76.4")	21N-939-1120	1	-		-		-					
PC1100-6	10001-	1710 mm (67.3")	21N-936-3B10	1	21N-70-14180	1	21N-09-11121	12	21N-09-11131	12				
		2050 mm (80.7")	21N-70-34D11	1	21N-70-14190	1								
					427-70-13610*4	4					09244-12496*7	8		
PC1100SP-6	10001-	2280 mm (89.8")	21N-939-3C21	1	427-70-13610*4	4	09244-12496*7	8						
PC1600-1	10001-	1770 mm (69.7")	21T-934-7320	1	21T-70-14140	1	21T-70-14160	12	21T-70-14170	12				
		1995 mm (78.5")	21T-70-74140	1	21T-70-14150	1								
		2100 mm (82.7")	21T-943-7120	1										
		2285 mm (90.0")	21T-70-14440	1										
		2285 mm (90.0")	21T-920-7620*2	1										
			21T-70-74170	1										
PC1600SP-1	10090	2400 mm (94.5")	21T-920-7860	1	21T-920-7750*4	4	01011-83005	12	21T-70-14170	12				
				21T-920-7620*2	1	427-70-13610*4					4	09244-12496*7	4	01643-33380*6
PW60-3	2001-	350 mm (13.8")	20X-926-2320	1	20X-933-1110	1	01802-02265	6	01803-02228	6				
		450 mm (17.7")	20X-926-2420	1	20X-933-1120	1								
		550 mm (21.7")	20X-926-2520	1										
		650 mm (25.6")	201-70-53120	1										
		725 mm (28.5")	20X-70-23120	1										
		760 mm (30.0")	201-920-5120	1	-						-		-	
PW100-3	2854-	450 mm (17.7")	203-926-2121	1	203-70-43260	1	01802-02262	8	01803-02228	8				
		600 mm (23.6")	203-926-3221	1	203-70-43270	1								
		700 mm (27.6")	203-926-3321	1										
		825 mm (32.5")	202-70-53121	1	21K-70-14180	1	208-32-11321	8						
		825 mm (32.5")	203-927-2120*8	1	21K-70-14190	1								
		830 mm (32.7")	202-70-63211	1	202-70-63161	1								
					202-70-63171	1								
		1000 mm (39.4")	202-920-5131	1	-		-		-					
PW150-1	10001-	600 mm (23.6")	20G-926-1240	1	20G-933-1110	1	01675-32269	8	01803-02228	8				
		700 mm (27.6")	20G-926-1120	1	20G-933-1120	1								
		950 mm (37.4")	20G-70-14121	1										
		1100 mm (43.3")	20G-920-1120	1										
		1450 mm (57.1")	20G-920-1220	1	-						-		-	
		1600 mm (63.0")	20G-920-1420	1										
PW210-1	10035-	560 mm (22.0")	205-926-7320	1	205-70-74180	1	176-32-11210	8	01803-02430	8				
		750 mm (29.5")	205-926-7220	1	205-70-74190	1								
		1045 mm (41.1")	20Y-70-14120	1										
		1200 mm (47.2")	20Y-920-1120	1										
		1330 mm (52.4")	20Y-920-1220	1										
		1450 mm (57.1")	205-920-7420	1										
		1680 mm (63.0")	205-920-7521	1										

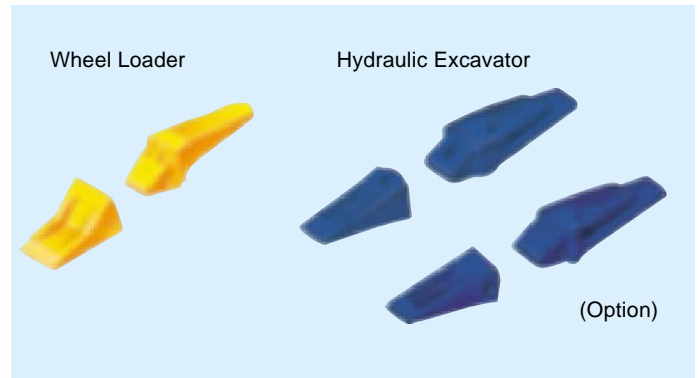
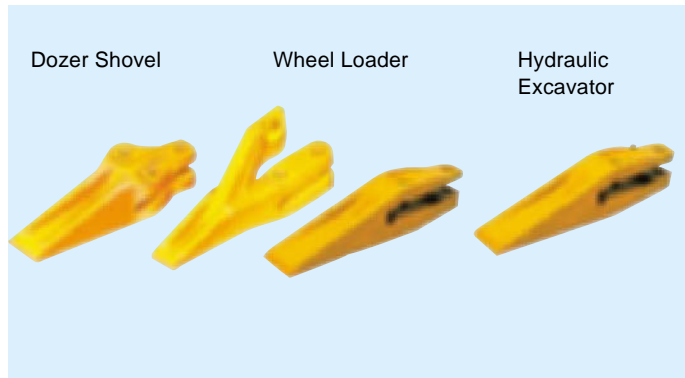
Ground engaging tools

Edges and weld-on side cutters

Hydraulic excavators

Model	Serial No.	Bucket width	Edge	Q'ty	Side cutter	Q'ty
PC05-6F	F10001-	250 mm (9.8")	20M-70-R5231	1	20W-70-15140	2
		350 mm (13.8")	20M-70-R5171	1		
PC10-6F	F10001-	250 mm (9.8")	20N-70-R5181	1	20R-70-13120	2
		350 mm (13.8")	20N-70-R5211	1		
		450 mm (17.7")	20N-70-R5141	1		
		550 mm (21.7")	20N-70-R5231	1		
PC20-6F	F10001-	250 mm (9.8")	20R-926-1211	1	20R-70-13120	2
		350 mm (13.8")	20R-70-31360	1		
		450 mm (17.7")	20R-926-1120	1		
		600 mm (23.6")	20R-920-2120	1		
		650 mm (25.6")	20R-920-4120	1		
PC40-6F	F10001-	600 mm (23.6")	20T-70-31330	1	20U-70-13130	2
PW30-1	1001-	300 mm (11.8")	20S-926-1120	1	20T-70-13160	2
		500 mm (19.7")	21S-70-11210	1		
		600 mm (23.6")	20S-920-1120	1		

3. Bucket Teeth



Bolt-on teeth

The teeth are mounted to the bucket with bolts and nuts. Thus, replacement is easy with Komatsu **genuine** bolt-on teeth. The load on the teeth is borne by the cutting edge, preventing shearing of the mounting bolts. These are ideal for loading and digging operations in soft and hard rock.

High economy

Komatsu **genuine** bucket teeth are long-life, highly economical bucket teeth with excellent wear and breakage resistance.

Excellent durability

The superior material and excellent heat treatment used for the Komatsu **genuine** bucket teeth provide them with excellent durability. In addition, the high impact resistance means the bucket teeth can withstand any heavy-duty operation.

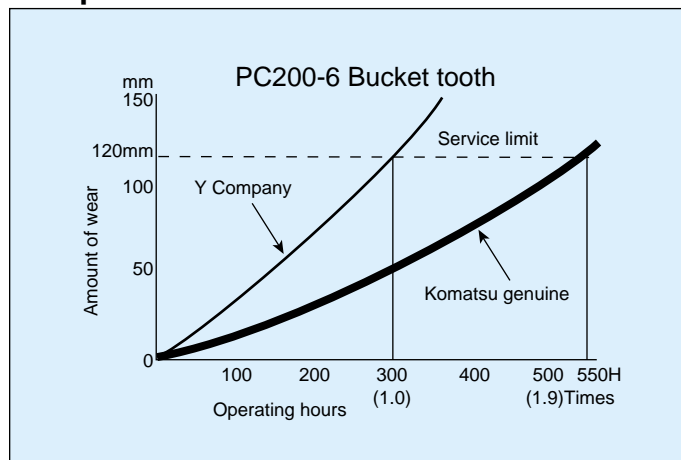
Weld-on teeth

Weld-on teeth are used on hydraulic excavators or large-size wheel loaders. To provide a large breakout force, adapters are welded to the cutting edge of the bucket, so the teeth have high strength and impact resistance, and can exhibit their full potential in heavy-duty operations. The ends of teeth have tips, so replacement is quick and easy, and maintenance costs are reduced. (Note: Optionally available for some models)

Unchangeable penetration

The shape of Komatsu **genuine** bucket teeth features the Komatsu exclusive self-sharpening profile, so that the sharpness of the tooth tip is never lost. In other words, Komatsu **genuine** bucket teeth provide unchanging penetration, which can improve productivity in all kinds of applications.

Comparative wear



(Actual Data)

Ground engaging tools

Bolt-on one-piece type teeth

Dozer shovels

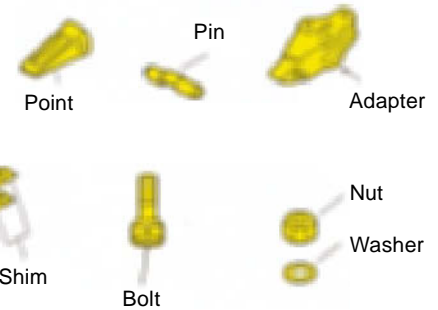
Model	Serial No.	Teeth	Q'ty	Bolt	Q'ty	Nut	Q'ty
D20/D21S-7	61001-	103-70-22140	6	113-70-22160	12	113-70-22280	12
D20/D21Q-7	61001-	103-70-22140	8	113-70-22160	16	113-70-22280	16
D31S-20	41001-	113-70-22140	6	09208-11965	12	09218-11916	12
D31Q-20	41001-	113-70-22140	7	09208-11965	14	09218-11916	14
D57S-1	6501-	135-70-34110	7	135-70-34120	14	135-70-34130	14
D66S-1	1400-	145-70-44180	6	09208-12290	22	09218-12219	24
		142-70-12310	1	142-70-12260	2		
		142-70-12320	1				
D75S-5	7001-	145-70-44180	9	145-70-44120	27	145-70-44130	27



Bolt-on point type teeth

Dozer shovels

Model	Serial No.	Teeth	Q'ty	Bolt	Q'ty	Nut	Q'ty
D66S-1	1400-	207-70-14151	8	142-70-12230	6	09244-02516	8
				142-70-12240	1		
				142-70-12250	1		



Bolt-on one-piece type teeth

Wheel loaders

Remarks *1: Long life type *2: For limestone

Model	Serial No.	Teeth	Q'ty	Bolt	Q'ty	Nut	Q'ty	Washer	Q'ty	Shim	Q'ty
WA30-5	18970-	10E-70-22211	6	02090-11055	12	02205-11015	12				
WA50-3	20642-	10E-70-22211	7	02090-11055	14	02205-11015	14				
WA70-1	10001-	415-70-13110	5	09208-11965	12	09218-11916	14	01643-32060	7	419-70-13190	7
		415-70-13130	1	417-70-13210	2						
		415-70-13140	1								
WA100-1	20001-	417-70-13250	6	09208-11965	14	09218-11916	16	01643-32060	8	419-70-13190	16
		417-70-13261	1	417-70-13210	2						
		417-70-13271	1								
WA120-1 WA120-3	20001- 50001-	417-70-13250	6	09208-11965	14	09218-11916	16	01643-32060	8	419-70-13190	16
		417-70-13261	1	417-70-13210	2						
		417-70-13271	1								
WA180-1	10001-	418-70-13150	6	423-70-13180	8	02290-11422	16	01643-32260	8	419-70-13190	10
		418-70-13160	1	418-70-13140	2						
		418-70-13170	1	142-70-12260	6						
WA180-3	50001-	418-70-13150	6	423-70-13180	8	02290-11422	16	01643-32260	8	419-70-13190	8
		418-70-13160	1	418-70-13140	2						
		418-70-13170	1	142-70-12260	6						
WA250-1	10001-	419-70-13114	6	02090-11695	14	09218-12523	14	01643-32780	2	419-70-13190	8
		419-70-13164	1	419-70-13150	2	02290-11625	2				
		419-70-13174	1								
WA250-3	50001-	419-70-13114	6	02090-11695	14	09218-12523	14	01643-32780	2	419-70-13190	2
		419-70-13164	1	419-70-13150	2	02290-11625	2				
		419-70-13174	1								
WA320-1	10001-	419-70-13114	6	09208-12595	14	09218-12523	14	01643-32780	2	419-70-13190	8
		419-70-13164	1	419-70-13150	2	02290-11625	2				
		419-70-13174	1								
WA320-3 WA320-3 CUSTOM	50001-	419-70-13114	6	02090-11695	14	09218-12523	14	01643-32780	2	419-70-13190	2
		419-70-13164	1	419-70-13150	2	02290-11625	2				
		419-70-13174	1								
WA380-1	20001-	423-70-13114	6	09208-12290	22	09218-12219	22	01643-32260	2	423-70-13170	2
		423-70-13144	1	423-70-13180	2	02290-11422	2			423-70-13160	2
		423-70-13154	1							423-70-13130	6
										423-70-13120	6
WA380-3	50001-	423-70-13114	6	02090-11490	22	09218-12219	22	01643-32260	2	423-70-13170	2
		423-70-13144	1	423-70-13180	2	02290-11422	2			423-70-13160	2
		423-70-13154	1							423-70-13130	6
										423-70-13120	6

Wheel loaders

Remarks

*1: Long life type

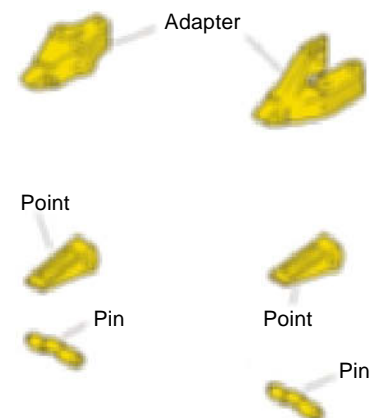
*2: For limestone

Model	Serial No.	Teeth	Q'ty	Bolt	Q'ty	Nut	Q'ty	Washer	Q'ty	Shim	Q'ty
WA420-1	10001-	423-70-13114	7	09208-12290	25	09218-12219	25	01643-32260	2	423-70-13170	4
		423-70-13144	1	423-70-13180	2	02290-11422	2			423-70-13160	4
		423-70-13154	1							423-70-13130	14
		423-70-13120	14							423-70-13120	14
WA420-3	50001-	423-70-13114	7	02090-11490	25	09218-12219	25	01643-32260	2	423-70-13170	2
		423-70-13144	1	423-70-13180	2	02290-11422	2			423-70-13160	2
		423-70-13154	1							423-70-13130	7
		423-70-13120	7							423-70-13120	7
WA470-1	20001-	423-70-13114	7	09208-12290	25	09218-12219	25	01643-32260	2	423-70-13170	4
		423-70-13144	1	423-70-13180	2	02290-11422	2			423-70-13160	4
WA470-3	50001-	423-70-13114	7	02090-11490	25	09218-12219	25	01643-32260	2	423-70-13170	2
		423-70-13144	1	423-70-13180	2	02290-11422	2			423-70-13160	2
		423-70-13154	1							423-70-13130	7
		423-T74-1110*1	7							423-70-13120	7
		423-T74-1120*1	1								
		423-T74-1130*1	1								
		423-842-1110*2	7								
423-842-1120*2	1										
		423-842-1130*2	1								
WA500-1	10001-	425-70-13212	6	02091-11610	22	02290-11625	24	01643-32780	2	425-70-13250	4
WA500-3	50001-	425-70-13222	1	02091-11600	2					425-70-13260	2
		425-70-13232	1							155-70-14240	12
		425-842-1110*2	6							155-70-14230	6
		425-842-1120*2	1								
		425-842-1130*2	1								
WA600-1	10001-	426-70-13311	6	02091-12050	24	02290-12031	24			178-70-14250	2
WA600-3	50001-	426-70-13321	1	02091-12015	2					178-70-14240	2
		426-70-13331	1							178-70-14160	6
										178-70-14150	6

Bolt-on point type teeth

Wheel loader

Model	Serial No.	Point	Q'ty	Adapter	Q'ty	Pin	Q'ty
WA70-1	20001-	415-847-1110	7	415-847-1120	7	201-70-00150	7
WA100-1	20001-	201-70-24140	8	417-847-1140	6	201-70-00150	8
				417-847-1120	1		
				417-847-1130	1		
WA120-1	20001-	201-70-24140	8	417-847-1140	6	201-70-00150	8
WA120-3	50001-			417-847-1120	1		
				417-847-1130	1		
WA180-1	10001-	20X-70-14160	8	418-847-1120	6	20X-70-00100	8
WA180-3	50001-			418-847-1160	1		
				418-847-1170	1		
WA250-1	10001-	202-70-12130	8	419-847-1111	6	09244-02496	8
WA250-3	50001-			419-847-1121	1		
				419-847-1131	1		
WA320-1	10001-	202-70-12130	8	419-847-1111	6	09244-02496	8
WA320-3	50001-			419-847-1121	1		
				419-847-1131	1		
WA380-1	20001-	423-847-1140	8	423-847-1111	6	09244-02516	8
WA380-3	50001-			423-847-1121	1		
				423-847-1131	1		
WA420-1	20001-	423-847-1140	8	423-847-1111	6	09244-02516	8
WA420-3	50001-			423-847-1121	1		
				423-847-1131	1		
WA470-1	10001-	423-847-1140	8	423-847-1111	6	09244-02516	8
WA470-3				423-847-1121	1		
				423-847-1131	1		
WA500-1	10001-	425-847-1110	8	425-847-1191	6	426-847-1130	8
WA500-3	50001-			425-847-1211	1		
				425-847-1221	1		



Ground engaging tools

Weld-on point type teeth

Wheel loader

Remarks *1: For heavy duty bucket *2: For limestone *3: For Zipper lip
*4: For abrasion *5: Spade nose bucket *6: Vertical pin type

Model	Serial No.	Point	Q'ty	Adapter	Q'ty	Pin	Q'ty
WA320-1	10001-	202-70-12130	8	419-847-1210 419-847-1220 419-847-1230	6 1 1	09246-02496	8
WA420-1	20001-	423-847-1140	10	423-847-1210 423-847-1230 423-847-1220	8 1 1	09244-02516	10
WA470-1	20001-	423-847-1140	10	423-847-1210 423-847-1230 423-847-1220	8 1 1	09244-02516	10
WA500-1	10001-	426-847-1110	8	426-847-1121 426-848-1121 426-848-1131	6 1 1	426-847-1130	8
WA600-1	10001-	426-847-1110 425-847-1220*4	10	426-847-1121 425-847-1151 425-845-1161 426-848-1121*5 426-848-1161*5	8 1 1 1 1	426-847-1130	10
		427-70-13731*1	8	426-847-1260*1 426-848-1140*1 426-848-1150*1	6 1 1	427-70-13770	8
		426-70-12340*6	10	426-70-12320*6 426-70-12331*6	8 2	426-70-12350 426-70-12360	10 10
WA600-3	50001-	426-847-1110	10	426-847-1121 425-847-1151 425-845-1161 426-848-1121*5 426-848-1161*5	8 1 1 1 1	426-847-1130	10
WA700-1	10001-	427-70-13731	8	427-70-13743	6	427-70-13770	8
WA700-3	50001-	427-842-1110*2	8	427-70-13754 427-70-13764	1 1		
WA800-2	10501-	427-70-13780 427-842-1120*2	10	427-70-13743 427-70-13754 427-70-13764	8 1 1	427-70-13790	10
		427-V65-1641*3	10	427-V65-1620*3 427-V65-1630*3	8 2	427-V65-1690*3 427-V65-1710*3	10 10
WA800-3	50001-	427-70-13941	10	427-70-13911	8	427-70-13890	10
WA900-3	50001-			427-70-13921 427-70-13931	1 1		
WA900-1	10001-	427-70-13780 427-842-1111*2	10	427-70-13743 427-70-13754 427-70-13764	8 1 1	427-70-13790	10

Bolt-on one-piece type teeth

Hydraulic excavators (Backhoe)

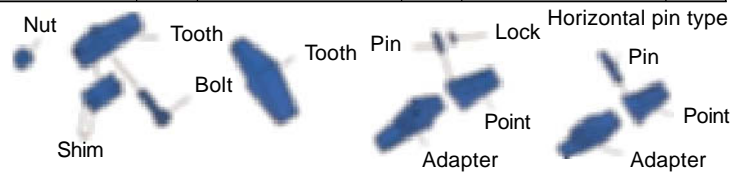
Remarks *1: For 0.08 m³ bucket AR: As required

Model	Serial No.	Teeth	Q'ty	Bolt	Q'ty	Nut	Q'ty	Shim	Q'ty
PC05-6F	F10001-	20W-70-R5141	3	01010-51240	6	PZ801920106	6	20W-70-15150	AR
PC05-7	8001-	20W-70-15130	3	02090-10850	6	02290-10813	6	-	-
PC12R-8	10001-	20W-70-15130	3	02090-10850	6	02290-10813	6	-	-
PC15R-8	10001-	20W-70-15130	3	02090-10850	6	02290-10813	6	-	-
PC10-6F	F10001-	10E-70-R5151	4	01010-51245	8	01580-11210	8	-	-
PC10-7	25001-	10E-70-22211	4	02090-11055	8	09218-11614	8	-	-
PC15-3	5001-6221	10E-70-22211	4	02090-11055	8	09218-11614	8	-	-
PC20-6F	F10001-	10E-70-22211	4	02090-11055	8	09218-11614	8	-	-
PC20-7	35001-	10E-70-22211	4	02090-11055	8	09218-11614	8	-	-
PC25-1	1001-6470	20T-70-13130	4	02090-11060	8	02205-11015	8	-	-
PC30-6F	F10001-	20T-70-13130	4	02090-11060	8	02205-11015	8	20T-70-05010	AR
PC30-7	18001-	20T-70-13130	4	02090-11060	8	02205-11015	8	-	-
		10E-70-22211*1	4	02090-11055	8	09218-11614	8	-	-
PC40-7	18001-24521	20T-70-13130	4	02090-11060	8	02205-11015	8	-	-
PC45-1	1001-	20T-70-13130	5	02090-11060	10	02205-11015	10	-	-

Weld-on point type teeth (Vertical pin)

Hydraulic excavator (Backhoe)

Remarks *1: For 750 mm (29.5") bucket
 *2: For 900 mm (35.4") bucket
 *3: For 1045 mm (41.1"), 1200 mm (47.2") and 1330 mm (52.4") bucket



Model	Serial No.	Point	Q'ty	Adapter	Q'ty	Pin	Q'ty	Lock	Q'ty
PC15-3	6222-	20N-70-71370	4	20N-70-71360	4	20N-70-71381	4	-	-
PC20-7	42355-	20N-70-71370	4	20N-70-71360	4	20N-70-71381	4	-	-
PC20MRX-1	10001-	20N-70-71370	4	20N-70-71360	4	20N-70-71381	4	-	-
PC20R-8	10001-	20N-70-71370	4	20N-70-71360	4	20N-70-71381	4	-	-
PC25-1	6471-	20T-70-72320	4	20T-70-72310	4	20T-70-71950	4	20T-70-71960	4
PC25R-1	10001-	20N-70-71370	4	20N-70-71360	4	20N-70-71381	4	-	-
PC27R-8	10001-	20N-70-71370	4	20N-70-71360	4	20N-70-71381	4	-	-
PC30-7	26423-	20T-70-72320	4	20T-70-72310	4	20T-70-71950	4	20T-70-71960	4
PC30MRX-1	10001-	20T-70-72320	4	20T-70-72310	4	20T-70-71950	4	20T-70-71960	4
PC30R-8	10001-	20T-70-72320	4	20T-70-72310	4	20T-70-71950	4	20T-70-71960	4
PC35R-8	35001-	20T-70-72320	4	20T-70-72310	4	20T-70-71950	4	20T-70-71960	4
PC40-7	24522-	20T-70-72320	4	20T-70-72310	4	20T-70-71950	4	20T-70-71960	4
PC40MRX-1	1001-	20T-70-72320	4	20T-70-72310	4	20T-70-71950	4	20T-70-71960	4
PC40R-8	30001-	20T-70-72320	4	20T-70-72310	4	20T-70-71950	4	20T-70-71960	4
PC45-1	3506-	20T-70-72320	4	20T-70-72310	4	20T-70-71950	4	20T-70-71960	4
PC45R-1	5001-	20T-70-72320	4	20T-70-72310	4	20T-70-71950	4	20T-70-71960	4
PC60-7	45001-	20X-70-23161	4	20X-70-23150	4	203-70-43212	4	203-70-43220	4
PC100-6	40001-	205-70-74272	4	203-70-64210	4	205-70-74281	4	205-70-74291	4
PC120-6	45001-	205-70-74272	4	203-70-64210	4	205-70-74281	4	205-70-74291	4
PC128US-2	5001-	205-70-74272	4	203-70-64210	4	205-70-74281	4	205-70-74291	4
PC200-6	80001-	205-70-74272	5	203-70-64210	5	205-70-74281	5	205-70-74291	5
				205-70-74261*1	3				
PC220-6	50001-	206-70-54221	4	206-70-58150	4	205-70-74281	4	205-70-74291	4
				206-70-54121*2	4				
PC228USLC-1	11001-	205-70-74272	5	20Y-70-24210	5	205-70-74281	5	205-70-74291	5
PC240-5K	K28001-	206-70-54221	4	206-70-58150	4	205-70-74281	4	205-70-74291	4
PC300-5	20001-	207-70-34212	5	207-70-34151	5	207-70-34221	5	205-70-74291	5
PC300-6	30001-	207-70-34212	5	207-70-34151	5	207-70-34221	5	205-70-74291	5
PC400-5	20001-	208-70-34211	5	208-70-34150	5	208-70-34220	5	208-70-34191	5
PC400-6	30001-	208-70-34211	5	208-70-34150	5	208-70-34220	5	208-70-34191	5
PC650-5	20164-	209-72-14150	4	209-944-1220	4	209-72-14160	4	209-72-14170	4
PC1000-1	10001-	21T-72-14480	5	21N-70-16120	5	21T-72-14460	5	21T-72-14470	5
PC1000SE-1	10001-								
PC1600-1	10001-	21T-72-14480	5	21T-70-14190	5	21T-72-14460	5	21T-72-14470	5
PW60-3	2001-	20X-70-23161	4	20X-70-23150	4	203-70-43212	4	203-70-43220	4
PW100-3	1612-	205-70-74272*4	4	203-70-63170	4	205-70-74281	4	205-70-74291	4
PW150-1	1001-	205-70-74272	5	205-70-74261	5	205-70-74281	5	205-70-74291	5
PW210-1	10001-	205-70-74272	5	20Y-70-14180*3	5	205-70-74281	5	205-70-74291	5
				205-70-74261					

Ground engaging tools

Weld-on point type teeth (Vertical pin)

Hydraulic excavator (Loading shovel)

Model	Serial No.	Point	Q'ty	Adapter	Q'ty	Pin	Q'ty	Lock	Q'ty
PC400-5	20001-	208-72-14140	6	208-72-14130	6	209-70-14160	6	209-70-14170	6
PC400-6	30001-	208-72-14140	6	208-72-14130	6	209-70-14160	6	209-70-14170	6
PC650-5	20001-	209-72-14150	6	209-72-54420	6	209-72-14160	6	209-72-14170	6
PC750-6	10001-	209-72-14150	6	209-72-54420	6	209-72-14160	6	209-72-14170	6
PC1000-1	10001-	21T-72-14480	6	21N-72-15130	6	21T-72-14460	6	21T-72-14470	6

Weld-on point type teeth (Horizontal pin)

Hydraulic excavator

Remarks *1: For 750 mm (29.5") bucket *2: For 900 mm (35.4") bucket *3: For heavy duty bucket
*4: For limestone *5: For 11.0 m³ bucket

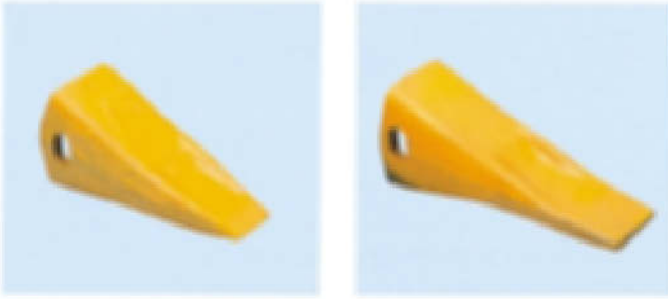
Model	Serial No.	Point	Q'ty	Adapter	Q'ty	Pin	Q'ty
PC60-7	45001-	20X-70-14160	4	20X-7014151	4	20X-70-00150	4
PC100-6	40001-	205-70-19570	4	205-939-7120	4	09244-02496	4
PC120-6	45001-	205-70-19570	4	205-939-7120	4	09244-02496	4
PC128US-2	5001-	205-70-19570	4	205-939-7120	4	09244-02496	4
PC130-6	45001-	205-70-19570	4	205-939-7120	4	09244-02496	4
PC200-6	80001-	205-70-19570	5	20Y-70-14520	5	09244-02496	5
				205-939-7120* ¹	3		3
				20Y-939-1180* ³	5		5
PC210-6	30001-	205-70-19570	5	20Y-934-2211	5	09244-02496	5
PC220-6	50001-	206-70-48610	4	206-70-58250	4	09244-02496	4
				206-939-5120* ²	3		3
				209-939-5550* ³	4		4
PC228USLC-1	11001-	205-70-19570	5	20Y-70-14520	5	09244-02496	5
PC230-6	10001-	206-70-48610	4	207-939-5120	4	09244-02496	4
PC300-5	20001-	207-70-14151	5	207-939-3120	5	09244-02516	5
PC300-6	30001-	207-70-14151	5	207-939-3120	5	09244-02516	5
PC350-6	10001-	207-70-14151	5	207-939-5120	5	09244-02516	5
PC400-5	20001-	208-70-14152	5	208-939-3120	5	09244-03036	5
PC400-6	30001-	208-70-14152	5	208-939-3120	5	09244-03036	5
PC450-6	10001-	208-70-14152	5	208-934-5120	5	09244-03036	5
PC600-6	10001-	209-70-54210	4	209-70-74141	4	209-70-54240	4
PC650-5	20164-	209-70-54210	5	209-70-54143	5	209-70-54240	5
PC650SE-5	20164-						
PC710-5	11019-	209-70-54210	5	209-70-54143	5	209-70-54240	5
PC710SE-5	11019-						
PC750-6	10001-	209-70-54210	5	209-70-74140	5	209-70-54240	5
PC750SE-6	10001-						5
PC800-6	30001-	209-70-54210	5	209-70-74140	5	209-70-54240	5
PC800SE-6	30001-						5
PC1000-1	10001-	21N-72-14290	5	21N-72-14140	5	21N-72-14330	5
PC1000SE-1	10001-						
PC1000SP-1	10351-						
PC1100-6	10001-	21N-72-14290	5	21N-72-14140	5	21N-72-14330	5
PC1100SP-6	10001-						
PC1600-1	10001-	21T-72-74311	5	21T-70-74160	5	21T-72-74320	5
		21T-72-74510* ⁴	5				
PC1600SP-1	10090-	21T-72-74311	5	21T-70-74160	5	21T-72-74320	5
		21T-920-7740* ⁵	5	21T-920-7730* ⁵	5	21T-920-3310* ⁵	5

Hydraulic excavator (Loading shovel)

Remarks *1: For limestone

Model	Serial No.	Point	Q'ty	Adapter	Q'ty	Pin	Q'ty
PC1000-1	10001-	21N-72-14290	6	21N-72-14281	6	21N-72-14330	6
PC1600-1	10001-	21T-72-74311	6	21T-72-74141	6	21T-72-74320	6
		21T-72-74510* ¹	6				

4. Ripper Points



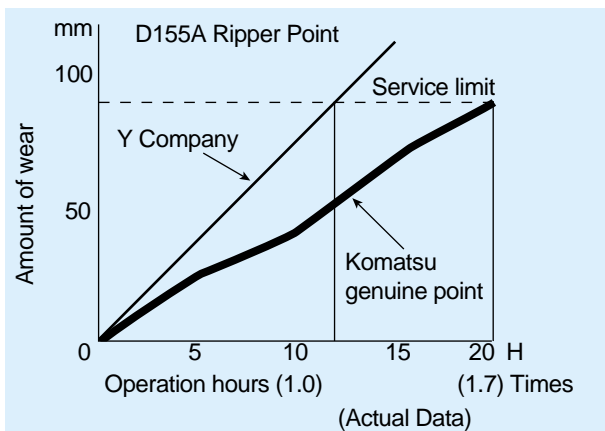
Short points

Short points have high breakage resistance and can display substantial power in heavy-duty operations such as on hard rock or hard gravel.

Long points

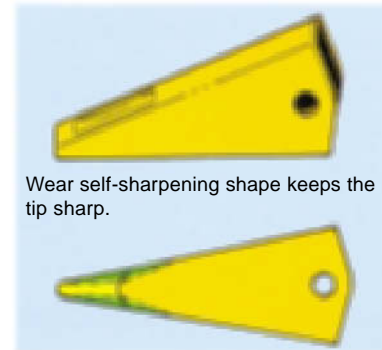
Long points have a large wear tolerance and are suitable for use in operations where there is no risk of breakage.

Comparative wear



Selection of points to match the specific job

Komatsu **genuine** ripper points are economical and can be selected to match the specific operation.



Excellent penetration

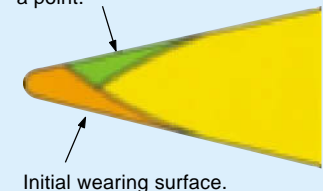
Komatsu **genuine** ripper points features the Komatsu exclusive self-sharpening profile, ensuring that they always remain sharp and provide unchanging penetration. These points are long-life points made of high-silicon steel with excellent wear and impact resistance.

Reversible points

Komatsu **genuine** ripper points are economical because they are reversible, thereby providing double the wear life.

Replacement can be postponed by turning a point to present a new wearing surface.

New wearing surface after turning a point.



Ripper point selection

Various types of ripper points are available, and the general standards for selection according to the type of usage are given below.

1. Types of ripper points

Ripper points are categorized according to the following three items.

Material	There are two main types: heat-resistant type and high-toughness type. These are distinguished by a red mark and yellow mark, respectively.
Point length	There are two types: long and short .
Shape	There are two types: a symmetric type that can be reversed and a non-symmetric type that cannot be reversed.

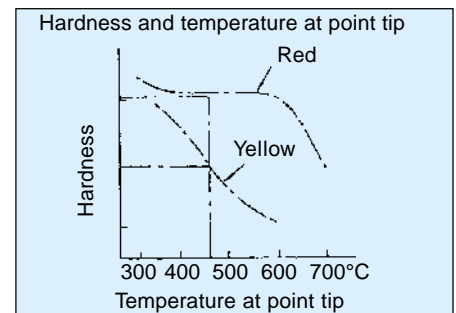
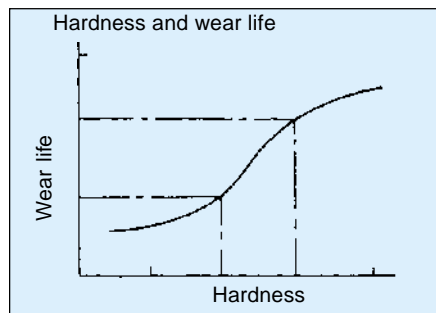
When combining these categories, 4-7 types of points are available for each model.

2. Features of each type of point

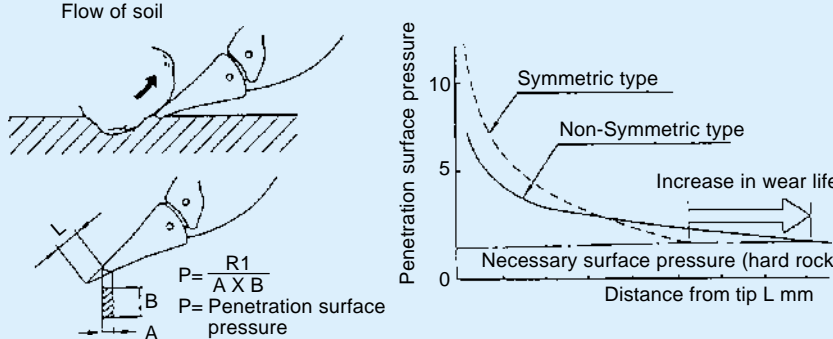
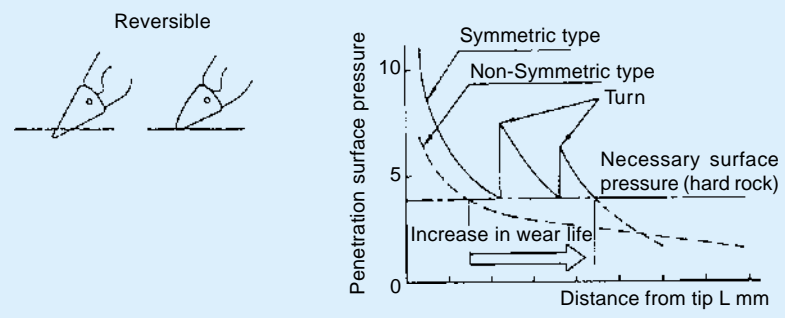
Red	Has high resistance to wear from generation of heat at the point tip, but compared with the yellow point, it lacks toughness.
Yellow	Compared with the red point, this has excellent toughness, but it has inferior wear life when heat is generated at the point.

If the point does not dig into the rock, but slips on the rock surface, the friction heat between the point and rock causes an extreme rise in temperature at the slipping location of point and rock, thus reducing point hardness. (There is a close relationship between hardness and wear: the higher the hardness, the less the wear.)

As a result, wear of the point becomes quicker (abnormal wear), so in the case of the red point, a material is used which does not lose its hardness so easily when the temperature of the point rises. Therefore, the red point is advantageous for use on hard rock where there is an extreme rise in the temperature of the point.



Long	Has a wear life 1.5 - 2.0 times greater than the short point, but its strength is inferior to the short point because of its extra length.
Short	Compared with the long point, it has ample strength, but has inferior wear life due to the long point.

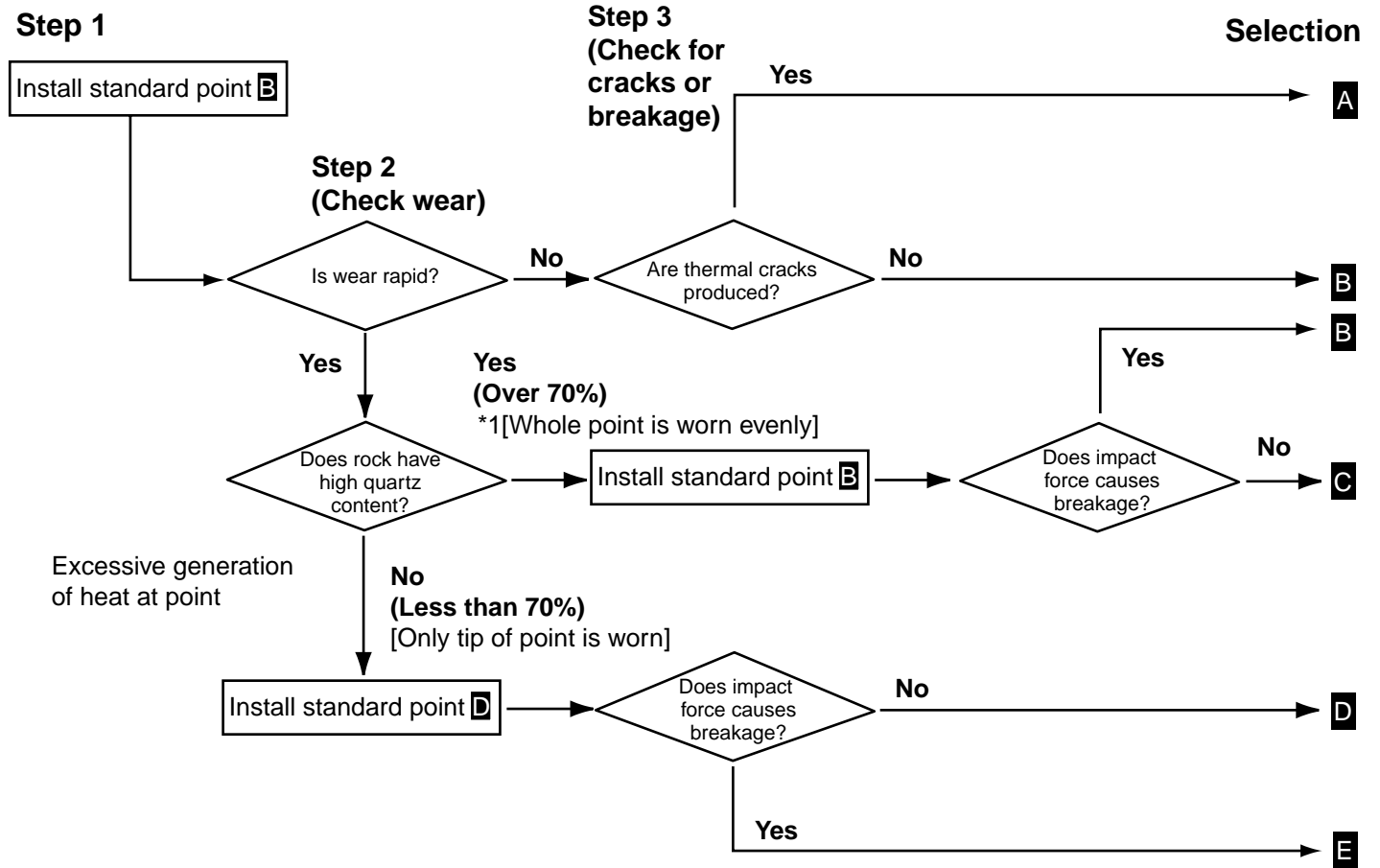
<p>Non-symmetric type</p>	<p>This has a self-sharpening shape, so it always retains its cutting edge, and provides a long life on jobsites where there is soft rock and penetration ability is not required. The rib provided only on the top surface wears gradually under the flow of the soil, and there is no change in the penetration surface pressure.</p>  <p>Flow of soil</p> <p>Penetration surface pressure</p> <p>Distance from tip L mm</p> <p>Symmetric type</p> <p>Non-Symmetric type</p> <p>Increase in wear life</p> <p>Necessary surface pressure (hard rock)</p> <p>$P = \frac{R1}{A \times B}$</p> <p>P = Penetration surface pressure</p> <p>R1 = Input</p>
<p>Symmetric type (reversible)</p>	<p>On hard rock where penetration ability is needed, it is possible to restore the penetration ability by reversing the point.</p>  <p>Reversible</p> <p>Penetration surface pressure</p> <p>Distance from tip L mm</p> <p>Symmetric type</p> <p>Non-Symmetric type</p> <p>Turn</p> <p>Necessary surface pressure (hard rock)</p> <p>Increase in wear life</p>






The table below gives a summary of the features of each type of point.

Length	Color	Shape	Seismic velocity	Wear tolerance	Strength, resistance to impact	Abnormal wear	Penetration	Cost
Short	Yellow	Symmetric type	No particular limit	Average	Good	Average	Good	4
		Non-symmetric type					Average	
	Red	Symmetric type			Average	Good		
		Non-symmetric type			Average	Average		
Long	Yellow	Non-symmetric type	(As a guideline) Max. 1500 m/sec	Good	Average	Average	Average	3
	Red	Non-symmetric type			Poor	Good	Average	1

Remarks Cost 1: Most expensive Cost 4: Least expensive

Procedure for selecting ripper point



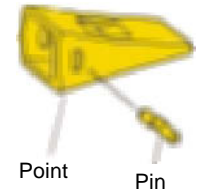
Selection	Typical rocks		Suitable points	Availability	
	Hardness	Type of rocks			Features
A → Soft ↑↓ Hard	Shale, limestone	<ul style="list-style-type: none"> •Little quartz, little wear •Deposited in layers, so ripping is easy. 	Point for limestone •Symmetric shape •Yellow •short		D85A-21 D135A-2 D155A-2 D275A-2 D375A-3 D475A-3
B → Soft ↑↓ Hard	All types of general rocks		Standard point •Symmetric shape •Yellow •short		○ ○ ○ ○ ○ ○
C → Soft ↑↓ Hard	Sandstone	<ul style="list-style-type: none"> •Proportion of quartz is extremely high (70-95%), points wear rapidly. 	<ul style="list-style-type: none"> •Non symmetric shape •Yellow •Long 		○ ○ ○ ○ ○ ○
D → Soft ↑ ↓ E → Hard	Basalt andesite, granite, chert	<ul style="list-style-type: none"> •Proportion of quartz is not so high (40-70%). •Rock is not composed of layers or seams, so heat is generated at point. Point wears rapidly, ripping is difficult. 	<ul style="list-style-type: none"> •Non symmetric shape •Red •Long 		○ ○ ○ ○ ○ ○
			<ul style="list-style-type: none"> •Symmetric shape •Red •Short 		○ ○ ○ ○ ○ ○

*1: When the point is worn uniformly, not only the tip of the point is worn, but also the thickness of the housing metal (place where shank enters) is also worn.
 On jobsites where wear is rapid, it does not necessarily mean to say that the red point is suitable. There are many reasons why the point wears. Of these, rock hardness and silica content are major causes. Therefore, even on soft rock, if there is a high silica content, there will be rapid wear of the point even though the temperature of the point does not rise so much. As explained under the features for the red point, in such jobsites, the advantages of the red point cannot be made use of. (On these jobsites, there is no great difference in wear life between the red and yellow points.)

Ground engaging tools

Bulldozer, Dozer shovel, Motor grader

Model	Serial No.	Point	Q'ty	Optional point	Q'ty	Pin	Q'ty
D31E, S-20 D37E-5	42001- 3001-	113-78-21140	3	-	-	113-78-21170	3
D40/D41A-3 D50/D53A-17 D57S-1 D66S-1	6001- 80001- 2001- 1001-	131-78-31190	3	-	-	09244-02496	3
D65E, EX-12 D75A-1 D75S-5 D85E-SS-2A	60001- 50001- 15001- 2001-	141-78-11253	3	Long: 141-78-11254 Short: 141-78-11330	3	09244-02508	3
GD600 series GD700 series		234-785-1121	3	113-78-21140	3	113-78-21170	3
GD825A-2	11001-	235-785-1260	3	-	-	09244-02516	3



Ripper point

Bulldozer

Remarks Q'ty indicates when installed one shank. *1: Non symmetric shape *2: Long protector *3: Two-piece type protector

Model	Serial No.	A type point	Q'ty	B type point	C type point	D type point	E type point	Pin	Q'ty
D85A, E-21 D135A-2 D155A-2 D155A-3 D155AX-3, 5	35001- 10301- 50001- 60001- 60001-		1	175-78-31230	175-78-34131	175-78-34141	175-78-31232	09244-02508	1
D275A-2 D355A-3	10001- 1632-	17M-78-21350	1	195-78-21331	195-78-29130	195-78-29140	195-78-21333	09244-02508	1
D375A-2 D375A-3	16001- 17001-	*1195-78-71420	1	*1195-78-71320	195-78-71370	195-78-71350	195-78-71390	195-78-71360	1
D475A-2, 3 D575A-2	10201- 10001-	*1198-78-21420	1	*1198-78-21340	*1198-78-21370	198-78-21350	198-78-21350	198-78-21410	1
		19M-78-11341	1	19M-78-11450	19M-78-11510	19M-78-11520		19M-78-11370	1

Protector

Remarks *1: Long protector *2: Two-piece type protector

Model	Serial No.	Protector	Q'ty	Pin for protector	Q'ty
D85A, E-21 D135A-2 D155A-2 D155A-3 D155AX-3/5	35001- 10301- 50001- 60001- 60001-	154-78-31330 195-78-21320 195-78-21580*2	1	09244-02508	2
D275A-2 D355A-3	10001- 1632-	17M-78-21330 195-78-21320 195-78-21580*1	1		
D375A-2 D375A-3	16001- 17001-	195-78-71111 195-78-72410*1	1	195-78-71360	2
D475A-2 D475A-3	10201-	198-78-21330 198-78-21390*1	1	198-78-21410	2
D575A-2	10001-	19M-78-11310 19M-79-11310*1 19M-79-11460*2 19M-79-11470*2	1	19M-78-11371	1*1 2*2

5. Blade Reinforcement Plates

Blade reinforcement plates are installed on jobsites where extreme blade wear occurs, or on rocky ground where the blade is likely to be damaged or broken. These plates are weld-on types.

Bulldozer

D155A-2 For Semi-U tiltdozer **A**

No.	Parts No.	Q'ty
1	175-71-33130	1
2	175-71-33140 (50001-52100) 175-71-33141 (52101-)	1
3	175-71-33150 (50001-52100) 175-71-33151 (52101-)	1
4	175-71-33160 (50001-52100) 175-71-33161 (52101-)	1
5	175-71-33170 (50001-52100) 175-71-22171 (52101-)	1

D155A-2 For Straight tiltdozer **A**

No.	Parts No.	Q'ty
1	175-71-22163	1
2	175-71-22178 (50001-52100) 175-71-22179 (52101-)	1
3	175-71-22189 (50001-52100) 175-71-22440 (52101-)	1
4	175-71-22198 (50001-52100) 175-71-22199 (52101-)	1
5	175-71-22218 (50001-52100) 175-71-22219 (52101-)	1

D155A-2 For U tiltdozer **B**

No.	Parts No.	Q'ty
1	175-72-42130	1
2	175-72-42140	1
3	175-72-42150	1
4	175-72-42160	1
5	175-72-42170	1
6	175-72-42170	1

D155A, AX-3, AX-5 For Semi-U tiltdozer **A**

No.	Parts No.	Q'ty
1	17A-71-21120	1
2	17A-71-21130	1
3	17A-71-21140	1
4	17A-71-21150	1
5	17A-71-21160	1

D155A, AX-3, AX-5 For U tiltdozer **C**

No.	Parts No.	Q'ty
1	17A-72-21120	1
2	17A-72-21140	1
3	17A-72-21150	1
4	17A-72-21160	1
5	17A-72-21160	1

D275A-2 For Semi-U tiltdozer **A**

No.	Parts No.	Q'ty
1	17M-71-21740	1
2	17M-71-21750	1
3	17M-71-21760	1
4	17M-71-21770	1
5	17M-71-21780	1

D375A-2 For Semi-U tiltdozer **A**

No.	Parts No.	Q'ty
1	195-71-61742	1
2	195-71-61752	1
3	195-71-61762	1
4	195-71-61770	1
5	195-71-61780	1

D375A-3 For Semi-U tiltdozer **A**

No.	Parts No.	Q'ty
1	195-72-72320	1
2	195-71-72330 (17001-17339) 195-71-72331 (17340-)	1
3	195-71-72340 (17001-17339) 195-71-72341 (17340-)	1
4	195-71-72350	1
5	195-71-72360	1

D375A-3 For U tiltdozer **D**

No.	Parts No.	Q'ty
1	195-72-72320	1
2	195-72-72330	1
3	195-72-72340	1
4	195-72-72350	1
5	195-72-72360	1
6	195-72-72370	1
7	195-72-72380	1

D475A-2, 3 For Semi-U tiltdozer **A**

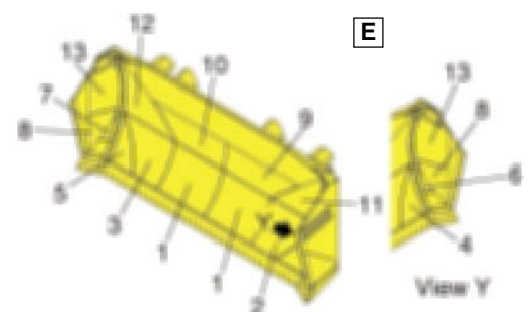
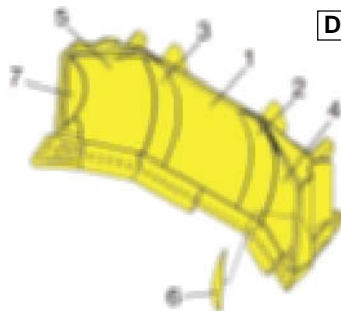
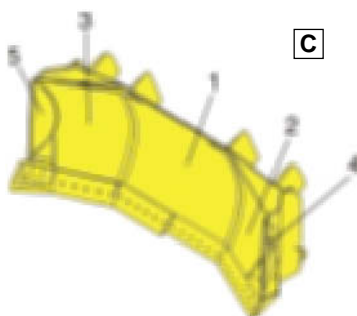
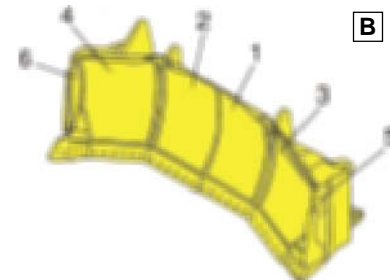
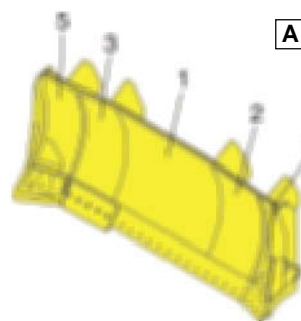
No.	Parts No.	Q'ty
1	198-71-41140	1
2	198-71-41150	1
3	198-71-41160	1
4	198-71-41170	1
5	198-71-41180	1

D475A-3 For U tiltdozer **D**

No.	Parts No.	Q'ty
1	198-72-41320	1
2	198-72-41330	1
3	198-72-41340	1
4	198-72-53340	1
5	198-72-53350	1
6	198-72-53360	1
7	198-72-53370	1

D475A-3 SD For Super Dozer **E**

No.	Parts No.	Q'ty
1	198-72-51450	2
2	198-72-51520	1
3	198-72-51510	1
4	198-72-51970	1
5	198-72-51960	1
6	198-72-51470	1
7	198-72-51460	1
8	198-72-51940	2
9	198-72-51990	1
10	198-72-51980	1
11	198-72-51560	1
12	198-72-51550	1
13	198-72-51850	2

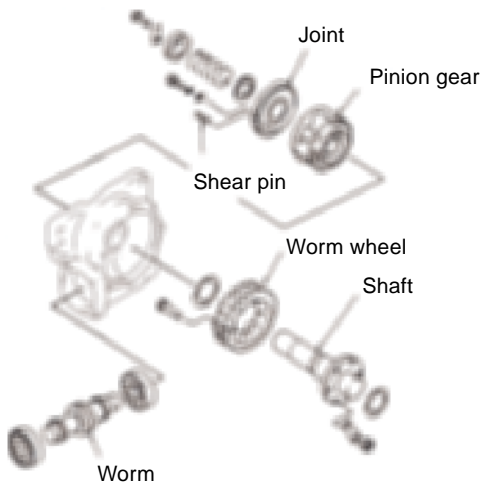
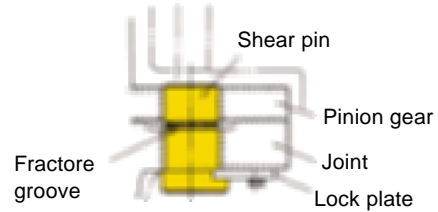


6. Shear Pins



Shear pins are installed to prevent damage to the work equipment or circle reverse gear when a large load is suddenly applied to one side of the blade.

The shear pins are installed at the center of the circle reverse gear.

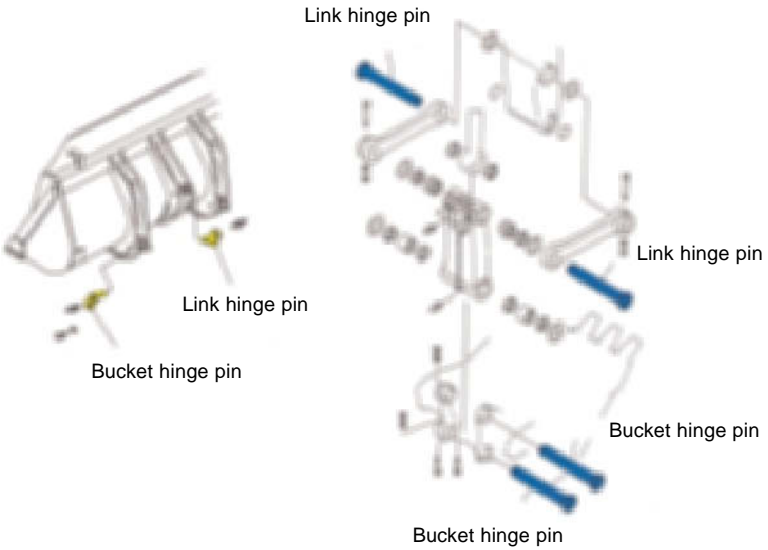


Motor grader

Model	Serial No.	Parts No.
GD313A-1	30001-	230-71-13134
GD461A-1	10001-	232-71-13613
GD510R-1	15001-	234-71-13256
GD511A, R-1	10001-	234-71-13256
GD521A, R-1	10001-	234-71-13256
GD523A, R-1	30001-	234-71-13256
GD525A-1	50001-	234-71-13256
GD611A, R-1	10001-	234-71-13256
GD621A-1	10001-	234-71-13443
GD623A-1	30001-	234-71-13443
GD625A-1	50001-	234-71-13330
GD661A-1	10001-	234-71-13256
GD705A-4	10001-	234-71-13443
GD725A-1	50001-	234-71-13443

7. Hinge Pins

Bucket hinge pins on hydraulic excavators are employed to connect the bucket and link.
Bucket hinge pins on wheel loaders are used to connect the bucket and lift arm, and bellcrank.



Ground engaging tools

Hinge pins

Hydraulic excavator

Remarks *1: For 280 mm (11.0") width bucket
*2: For 365 mm (14.4") width bucket

Model	Bucket pin	Q'ty	Link pin	Q'ty
PC05-6F	20M-70-11270	2	20M-70-11251 20M-70-11261	1 1
PC05-7	20M-70-74131	2	20M-70-11251 20M-70-11261	1 1
PC10-7	20N-70-71572	2	20N-70-71561	2
PC12R-8	20M-70-81411	2	20M-70-81421	2
PC15-3	20N-70-71572	2	20N-70-71561	2
PC15R-8	20M-70-81411	2	20M-70-81421	2
PC20-6F	20R-70-11241	2	20R-70-11241	2
PC20-7	20P-70-71370	2	20P-70-71380	2
PC20MRX-1	22K-70-11950	2	22K-70-11550	2
PC20R-8	20N-70-71572	2	20N-70-71561	2
PC25-1	20S-70-71442	2	20S-70-71451	2
PC25R-8	20N-70-71572	2	20N-70-71561	2
PC27R-8	20P-70-71370	2	20P-70-71380	2
PC30-6F	20R-70-11241	2	20R-70-11241	2
PC30-7	20S-70-71442	2	20S-70-71451	2
PC30MRX-1	21U-70-31732	2	21U-70-31741	2
PC30R-8	20S-70-71442 20R-70-11241*1	2 2	20S-70-71451	2
PC35R-8	20S-70-71442	2	20S-70-71451	2
PC40-6F	20T-70-13121	2	20T-70-13121	2
PC40-7	20T-70-71442 20T-70-13121*2	2 2	20T-70-71451	2
PC40MRX-1	20T-70-13121	2	20T-70-71451	2
PC40R-8	20T-70-71442 20T-70-13121*2	2 2	20T-70-71451	2
PC45-1	20T-70-71442 20T-70-13121*2	2 2	20T-70-71451	2
PC45R-8	20T-70-71442 20T-70-13121*2	2 2	20T-70-71451	2
PC60-7 (-58000)	201-70-74230	2	201-70-72250 201-70-64220	1 1
PC60-7 (58001-)	201-70-74230	2	201-70-7225 20X-70-24260	1 1
PC100-6	203-70-44380	2	202-70-64151 202-70-64161	1 1
PC120-5K	203-70-44380	2	202-70-K1150 202-70-K1160	1 1
PC120-6 PC130-6	203-70-44380	2	202-70-64151 202-70-64161	1 1
PC128US-2	203-70-44380	2	202-70-64151 202-70-64161	1 1
PC150-5K	203-70-44380	2	203-70-K1150 203-70-54440	1 1
PC180-5K	21K-70-23140	2	21K-70-23220 21K-70-23190	1 1
PC200-6 PC210-6	205-70-73270	2	205-70-73160	2
PC210-5K	205-70-73270	2	205-70-73160	2
PC220-6 PC230-6	205-70-73270	2	206-70-53140	2
PC228USLC-1	205-70-73270	2	205-70-73160	2
PC240-5K	205-70-73270	2	206-70-53140	2
PC300-5	207-70-33130	2	207-70-33140	2
PC300-5K	207-70-33130	2	207-70-33140	2
PC300-6 PC350-6	207-70-61230	2	207-70-33140	2
PC400-5 PC400-5K	208-70-33130	2	208-70-33140	2
PC400-6 PC450-6	208-70-61230	2	208-70-33140	2

Hydraulic excavator

Model	Bucket pin	Q'ty	Link pin	Q'ty
PC600-6	21M-70-11260 21M-70-11160	1 1	21M-70-11171	2
PC650-5	209-70-53170 209-70-53131	1 1	209-70-53141	2
PC650SE-5 PC710SE-5	209-70-57330 209-70-57350	1 1	209-70-57340	2
PC710-5				
PC750-6 PC800-6	209-70-57350 209-70-57331	1 1	209-70-73140 209-70-57340	1 1
PC750SE-6 PC800SE-6	209-70-57350 209-70-57331	1 1	209-944-7351 209-70-57340	1 1
PC1000-1	21N-70-11361 21N-70-13141	1 1	21N-70-13131	2
PC1000SE-1 PC1000SP-1	21N-70-13320	2	21N-70-13310	2
PC1100-6 PC1100SP-6	21N-70-33142 21N-70-33161	1 1	21N-70-33130	2
PC1600-1	21T-70-73141 21T-70-73130	1 1	21T-70-73130	2
PC1600SP-1	21T-70-73141	2	21T-70-73130	2

Wheel loaders

Remark *1: For load & carry

Model	Bucket pin	Q'ty	Link pin	Q'ty
WA30-5	363-70-31910	2	363-70-31910	1
WA50-3	363-70-31910	2	363-70-31910	1
WA70-1	415-70-11910	2	415-70-11910	1
WA100-1	416-70-11910	2	416-70-11921	1
WA120-1 WA120-3	416-70-11910	2	416-70-11921	1
WA180-1	418-70-11910	2	418-70-11921	1
WA180-3	416-70-11910	2	416-70-11921	1
WA250-1 WA250-3	418-70-11910	2	419-70-11921	1
WA250-1H	418-70-11910	2	418-70-11930	1
WA320-1	419-70-11911	2	419-70-11922	1
WA320-3	419-70-11922	2	419-70-11922	1
WA320-3 CUSTOM	419-70-11922	2	419-70-11922	1
WA380-1	424-70-11910	2	424-70-11921	1
WA380-3	423-70-21910	2	424-70-11921	1
WA420-1	424-70-11981	2	424-70-11922	1
WA420-1H	424-70-11910	2	421-70-11921	1
WA420-3	423-70-21910	2	424-70-11922	1
WA470-1	421-70-11910	2	421-70-11922	1
WA470-3	421-70-21910	2	421-70-11922	1
WA500-1	425-70-11720	2	425-70-11920	1
WA500-3	425-70-11720	2	425-70-11920	1
WA600-1 WA600-3	426-853-1110	2	426-70-11361	1
WA700-1 WA700-3	428-70-11260 428-70-11270	1 1	428-70-11280	1
WA800-2	427-853-1130 427-853-1140 427-853-1110*1 427-853-1120*1	1 1 1 1	424-70-11610	1
WA800-3	427-N42-1160	2	427-N42-1150	1
WA900-1	427-853-1130 427-853-1140	1 1	424-70-11610	1
WA900-3	427-N42-1160	2	427-N42-1150	1

KVX TOOTH SYSTEM



We have developed a comprehensive range of teeth based on long experience. Standard teeth are for general purpose applications. The abrasion tooth profile is ideal for stone whilst our penetration teeth are particularly suitable for clay and similar materials.

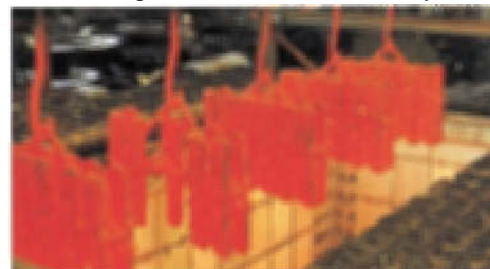
1. Reversible teeth and wear plates

When the teeth and wear plates have worn out on one side, you just turn them around and start on life number 2.



2. A bolt-on system that really lasts

Komatsu conical-neck, high performance bolt are tightly torqued into threaded plate. They have a grip like steel and withstand the toughest terrain. Just ask any of our users.



Penetration teeth

Abrasion teeth

Standard teeth

3. 500-520 Brinell Sagitta steel

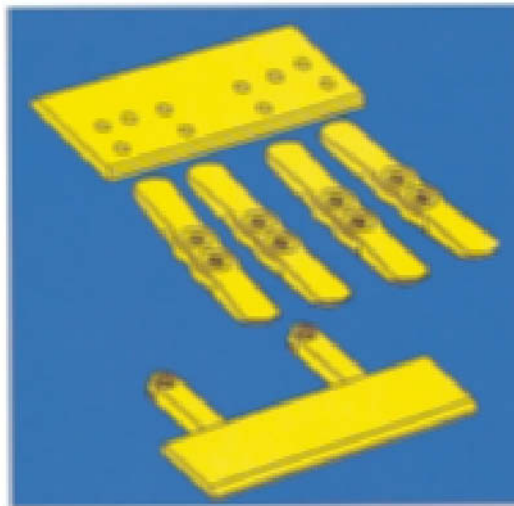
At Komatsu, we harden our steel after processing the material. From 115 years of experience we achieve the optimal combination of hardness and abrasion resistance. It lasts longer.

Ground engaging tools

KMX SYSTEM for Hydraulic excavators

Any machine from the mini-excavators to giants can be equipped with our wear resistant components. No application is too demanding, however arduous the duty. Standard elements are widely used, but we tailor-make solutions for unusually tough conditions.

Machine weight (ton)	0-4	4-6	6-10	10-20	20-30	30-100	100-
Machine Model	-PC40	PC40-PC60	PC60-PC100	PC100-PC200	PC200-PC300	PC300-PC1000	PC1100-
System	M16	M20	M27	M36	M48	M60	M68
Bolt	PZKV035067	PZKV035065	PZKV035068	PZKV035073	PZKV035076	PZKV035077	PZKV035092
Spanner		PZKV010670	PZKV010636	PZKV010637	PZKV010638	PZKV010639	PZKV136928
Standard teeth (Length)	131201 (31 cm)	131200 (40 cm)	131202 (50 cm)	131203 (62 cm)	131206 (80 cm)	131207 (110 cm)	
Abrasion teeth (Length)			PZKV131220 (50 cm)	PZKV131221 (62 cm)	PZKV131222 (80 cm)	PZKV131224 (110 cm)	PZKV136954 (127.5cm)
Penetration teeth (Length)			PZKV131229 (50 cm)	PZKV131293 (62 cm)	PZKV131296 (80 cm)	PZKV138803 (110 cm)	
Holder and leveling edge	PZKV131228	PZKV131229	PZKV131230	PZKV131231	PZKV131232	PZKV131233	

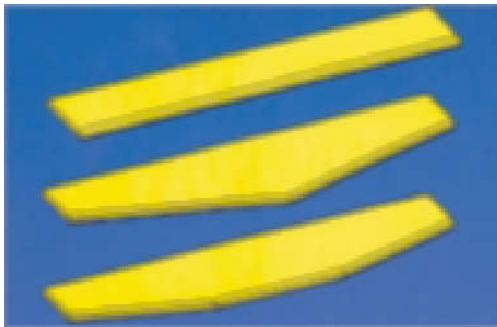


KMX SYSTEM for Wheel loaders

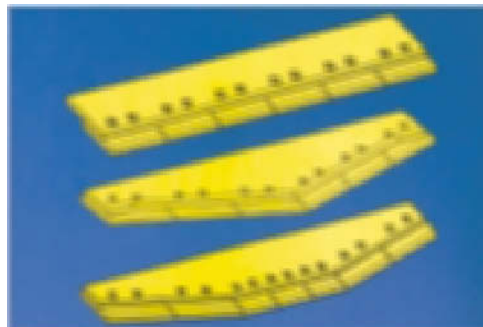
We can deliver a combination of cutting edge, wear plates and teeth to suit any size of wheel loader up to 100 tons. Four different arrangements are available which are designed to cover all applications including the most severe conditions. Standard components are used wherever possible, with tailor-made solutions developed special requirements.

Machine weight (ton)	0-4	4-6	6-10	10-20	20-30	30-100
System*	M16	M20	M27	M36	M48	M60
Bolt	PZKV035067	PZKV035065	PZKV035068	PZKV035073	PZKV035076	PZKV035077
Spanner		010670	010636	010637	010638	010639
Cranked teeth	PZKV131209	PZKV131216	PZKV131210	PZKV131211	PZKV131212	PZKV131213
Straight teeth (Length)			PZKV138460 (38 cm)	PZKV138394 (48 cm)	PZKV138619 (60 cm)	PZKV138475 (77.5 cm)

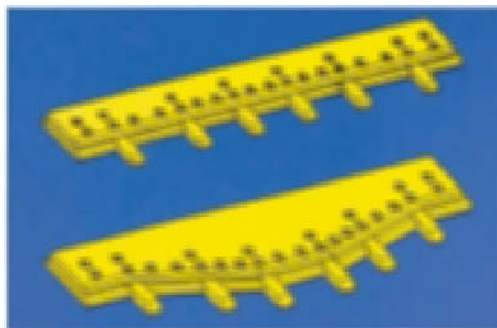
Wear plates match bucket width (tailor-made solution) *: Over 100 ton available on request.



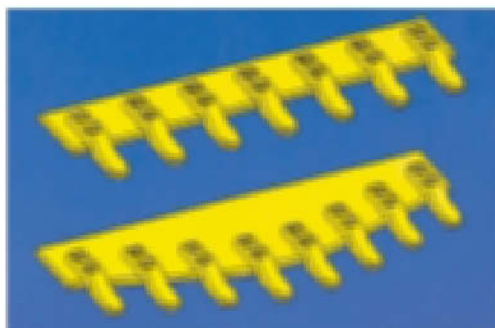
Straight and profiled cutting edges



General purpose cutting edges in straight, "V" edge and spade edge configuration for sand, gravel and tunnel loading.



Combination teeth and wear plate arrangements for especially abrasive conditions



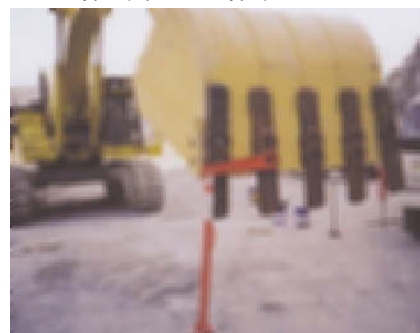
Straight and spade edge with bolt-on cranked teeth for hard but less abrasive rocks such as limestone.

Tools

Hydraulic Type



Stand Type (Spanner Type)



Undercarriage parts

Tough, reliable Komatsu genuine undercarriage parts

State-of-the-art technology

Integration of years of technological advancement along with Komatsu's manufacturing expertise combine to provide a high level of quality without equal.

Track links

The hardness of the track link tread and side-surface improves durability and increases strength against impact load. Dust seals are equipped to prevent sand and soil from entering the gap between track links and bushing. Lubricated track link assemblies are also available.



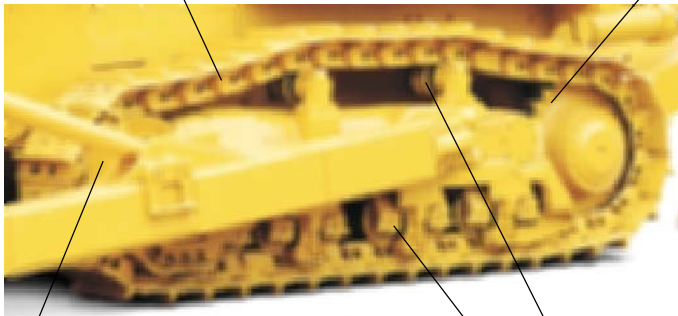
Proven durability

Computer selection of undercarriage materials and treatment assures superior wear performance.



Sprocket teeth

The sprocket teeth are hardened through a unique heat treatment method for added strength. Deep hardening enhances durability and increases strength against impact load.



Track shoes

Various track shoes are available to meet any working condition. The grouser hardness strengthens the track shoes against wear and impact load. Excellent ground penetration guarantees a large drawbar pull.



Idlers

The hardened tread increases strength against wear, which results in greater durability.



Rollers

The track/cARRIER rollers have superior durability due to a special heat treatment process. Floating seals prevent sand and soil from entering.

Track shoe selection

For crawler type construction equipment, it is necessary to be able to select track shoes which are suited to varied and everchanging number of operating conditions. To obtain longer track shoe life, it is necessary to select the narrowest shoe which matches the floatation of the equipment. If the track shoe is wider than necessary, the shoe bolts will come loose and the track shoe will bend. This not only causes cracking, but also applies excessive load to other undercarriage parts. Komatsu provides a wide range of track shoe shapes and width to match various operating conditions. Therefore, you can select best track shoe for your operating conditions.

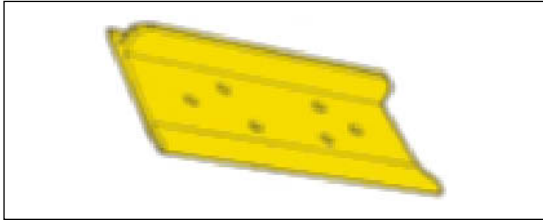
Classification of applications

Classification	Applicable terrain	Limitation
A	Rocky terrain, river banks and general terrain	1. Use low gear for traveling over harsh terrain with various obstacles such as loose stones and fallen trees.
B	General or soft terrain	1. Not applicable for traveling over harsh with loose stones and fallen trees. 2. Travel in high gear only on flat ground and use half speed in low gear for going over obstacles, if unavoidable.
C	Extremely soft terrain (Swamp)	1. Applicable only when "A" and "B" sink. 2. Not applicable for traveling over harsh with loose stones and fallen trees. 3. Traveling in high gear only on flat terrain and use half speed in low gear for going over obstacles, if unavoidable.
D	Paved road	1. Rubber pad shoes must be used mainly in machine operation on paved surfaces. If used on unpaved surfaces, shoe durability will be badly deteriorated due to rubber cracking, cutout, etc. Following operation must be avoided. (a) Work on broken concrete, gravel, etc. (b) Work on sharp projections like reinforcing iron rods, glass, etc. (c) Riding on concrete road shoulder, operation on bedrock and river bed with abundance of stones, pebbles, etc. 2. In operation on road covered with water, ice snow, gravel etc., be careful to avoid shoe slipping, especially in carrying or unloading operation of a machine on/off a truck. 3. In operation at high temperature (65°C or higher) or low temperature (-25°C or lower), the rubber will be liable to damage because of the change in its physical properties.

Undercarriage parts

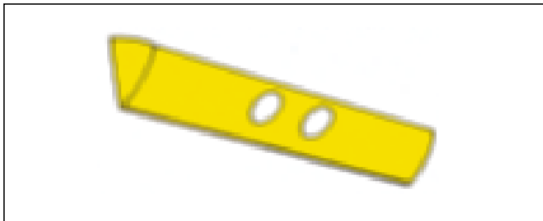
Single grouser shoe

- Provides large drawbar pull required for angledozers and straight-tiltdozers
- Designed for rugged operations. Has extra-thick grouser (called Extreme service shoe) for excellent resistance.



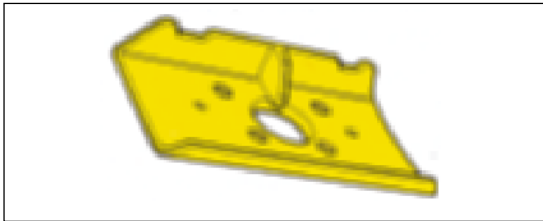
Swamp shoe

- Has large shoe width for wider ground contact area
- Komatsu exclusive circularly curved shoe ensures low sinking rate and greater traction.



Snow shoe

- Has projection and stepped grouser to prevent side slipping.
- Designed with hole in center to prevent track coming off and protect the undercarriage from damage.



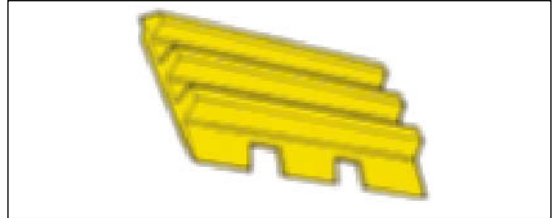
Rubber shoe (Monolithic type)

- Rubber shoe are suitable for traveling on paved roads without damaging their surfaces.
- Rubber shoes features lower noise and less vibration than steel shoes.



Triple-grouser shoe

- Mainly used for hydraulic excavators. Equipped with three grousers of equal height.
- Provides lower traction due to its low grousers. Operates efficiently on soft ground and during cargo handling in ships.
- Low in turning resistance - high in maneuverability.



Road liner (Rubber Packs Shoe)

With low noise and low vibrations, it is user friendly and environmentally sensitive. Combining maintainability of iron shoes and universality/flexibility of rubber shoes, it can operate easily and smoothly on the paved roads as well.

- Flat Mandrel
Cut resistant rubber has been baked on flat mandrels free from projections, uninformatizing rubber thickness between the mandrel and treading face. Durability has been greatly improved because Road liner is free from local stress concentration by glossers such as conventional rubber pad shoes.
- High-volume Cut Resistant Rubber
Uses a highly cut resistant rubber material produced by superbly blending natural and synthetic rubber. Both treading face and bolt holes are thick enough and have high freedom against deformation, preventing partial breakage.
- Trapezoidal Shape + Tapered Ends to Prevent Reverse Warping and Skidding
Rubber has been shaped trapizoidal to prevent mutual interference of the mandrels in riding over projections, etc. Combined with high-volume rubber thickness, a local surface pressure is dispersed to prevent breakage, tipping, and so on. Furthermore, both ends have been tapered to prevent skidding.
- Links Shared by Iron Shoes
Road liner has been directly bolted to the iron shoe links to prevent the tracks from being dislocated. You do not need to remodel the track guards.
- Easy Replacement
Even if Road liner is broken, only the broken shoes can be replaced, allowing you to reduce running costs and maintenance time.
- Low Noise and Low Vibratiaons
Rubber material and its sufficient thickness provide low noise and low vibrations (when traveling) equivalent to integral rubber shoes.



Table of undercarriage

D20/D21A-7 Serial No. 75001-

D20/D21S-7 Serial No. 61001-

Remarks *1: Applicable Serial No. D20/D21A-7 75001-77967
 D20/D21S-7 61001-61129
 *2: Applicable Serial No. D20/D21A-7 77968-
 D20/D21S-7 61130-

Part Name	Part No.	Q'ty	Classification
Sprocket	201-27-11530	2	
Sprocket rim	101-98-00050	2	
Idler ass'y	101-30-00161	2	
Carrier roller ass'y	103-30-00131	2	
Track roller ass'y (Single)	201-30-00050	10	*1
Track roller ass'y (Single)	101-30-00150	10	*2
Shoe ass'y and link ass'y (Master pin type)			
Single 300 mm	101-32-01009	1	A
Single 340 mm	101-32-02009	1	B
Holed single 300 mm	101-32-02109	1	A
Holed single 340 mm	101-32-02103	1	B
Holed triple 300 mm	102-32-01108	1	A
Rubber 300 mm	101-32-2R110	2	D
Link ass'y	102-32-00032	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 300 mm	101-32-03001	1	A
Single 340 mm	101-32-03011	1	B
Holed single 300 mm	101-32-03022	1	A
Holed triple 300 mm	102-32-03101	1	A
Link ass'y	102-32-00100	1	
Component parts			
Single 300 mm shoe	101-32-11350	74	A
Single 340 mm shoe	101-32-11341	74	B
Holed single 300 mm shoe	101-32-11371	74	A
Holed single 340 mm shoe	101-32-11420	74	B
Holed triple 300 mm shoe	102-32-11291	74	A
Shoe bolt kit	201-32-05001	6	

D20/D21P-7 Serial No. 75001-

D20/D21Q-7 Serial No. 61001-

Remarks *1: Applicable Serial No. D20/D21P-7 75001-77967
 D20/D21Q-7 61001-61129
 *2: Applicable Serial No. D20/D21P-7 77968-
 D20/D21Q-7 61130-

Part Name	Part No.	Q'ty	Classification
Sprocket	201-27-11530	2	
Sprocket rim	101-98-00050	2	
Idler ass'y	101-30-00161	2	
Carrier roller ass'y	103-30-00131	2	
Track roller ass'y (Single)	201-30-00050	10	*1
Track roller ass'y (Single)	101-30-00150	10	*2
Shoe ass'y and link ass'y (Master pin type)			
Swamp 510 mm	10G-32-01003	1	C
Single 510 mm	10G-32-01302	1	C
Rubber	10G-32-1R210	2	D
Link ass'y	102-32-00032	1	
Shoe ass'y and link ass'y (Lubricated type)			
Swamp 510 mm	10G-32-02201	1	C
Single 510 mm	10G-32-02211	1	C
Link ass'y (Swamp)	102-32-00110	1	
Link ass'y (Except swamp)	102-32-00100	1	
Component parts			
Swamp 510 mm	10G-32-11110	74	C
Single 510 mm	10G-32-14110	74	C
Shoe bolt kit (Swamp)	10G-32-05001	6	
Shoe bolt kit (Except swamp)	201-32-05001	6	

D31E, D31Q, S-20 Serial No. 42001-

Part Name	Part No.	Q'ty	Classification
Sprocket	113-27-31230	2	
Idler ass'y	113-30-00140	2	
Carrier roller ass'y	113-30-00112	2	
Track roller ass'y (Single)	113-30-00120	10	
Shoe ass'y and link ass'y (Master pin type)			
Single 330 mm	112-32-02207	1	A
Single 400 mm	112-32-02010	1	B
Single 600 mm	111-820-0118	1	C
Triple 330 mm	111-32-01112	1	A
Triple 400 mm	111-32-01407	1	B
Rubber	11G-30-49550	2	D
Holed triple 400 mm	112-32-02707	1	B
Swamp 600 mm	111-32-01701	1	C
Link ass'y	111-32-00026	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 330 mm	112-32-04108	1	A
Single 400 mm	112-32-04118	1	B
Single 600 mm	111-820-0228	1	C
Holed single 400 mm	112-32-04171	1	B
Triple 330 mm	111-32-02127	1	A
Triple 400 mm	111-32-02137	1	B
Holed single 400 mm	112-32-04167	1	B
Swamp 600 mm	111-820-0216	1	C
Link ass'y (Except swamp)	111-32-00034	1	
Link ass'y (Swamp)	111-32-00044	1	
Component parts			
Single 330 mm shoe	112-32-11111	74	A
Single 400 mm shoe	112-32-11453	74	B
Single 600 mm shoe	11G-32-21113	74	C
Holed single 400 mm shoe	112-32-11461	74	B
Triple 330 mm shoe	111-32-11291	74	A
Triple 400 mm shoe	111-32-11350	74	B
Holed triple 400 mm shoe	112-32-11420	74	B
Swamp 600 mm shoe	11G-32-21120	74	C
Shoe bolt kit (Except swamp)	112-32-05021	6	
Shoe bolt kit (Swamp)	11G-32-05021	6	

D31P-20 Serial No. 42001-

Part Name	Part No.	Q'ty	Classification
Sprocket	113-27-31320	2	
Idler ass'y	113-30-00102	1	
Carrier roller ass'y	113-30-00112	2	
Track roller ass'y (Single)	111-30-00274	12	
Shoe ass'y and link ass'y (Master pin type)			
Swamp 600 mm	11G-32-01006	1	C
Single 400 mm	11G-32-01508	1	B
Single 600 mm	11G-32-01108	1	C
Link ass'y	11G-A70-0013	1	
Shoe ass'y and link ass'y (Lubricated type)			
Swamp 600 mm	11G-32-02106	1	C
Single 400 mm	11G-32-02148	1	B
Holed single 400 mm	11G-32-02171	1	B
Single 600 mm	11G-32-02118	1	C
Link ass'y (Except swamp)	11G-32-00034	1	
Link ass'y (Swamp)	11G-32-00024	1	
Component parts			
Swamp 600 mm shoe	11G-32-21120	82	C
Single 400 mm shoe	112-32-11453	82	B
Holed single 400 mm	112-32-11461	82	B
Single 600 mm shoe	11G-32-21113	82	B
Shoe bolt kit (Swamp)	112-32-05021	7	
Shoe bolt kit (Except swamp)	11G-32-05001	7	

Undercarriage parts

D37E, D37P-5 Serial No. 3001-

Remarks *: For lubricated type track only used regular and master shoes.
Q'ty of regular shoe is 80.

Part Name	Part No.	Q'ty	Classification
Sprocket	113-27-31230	2	
Idler ass'y	113-30-00140	2	
Carrier roller ass'y	113-30-00112	2	
Track roller ass'y (Single)	113-30-00120	12	
Shoe ass'y and link ass'y (Master pin type)			
Single 330 mm	114-32-01002	1	A
Single 400 mm	11G-32-01508	1	B
Single 600 mm	11G-32-01108	1	C
Holed single 400 mm	11G-32-01408	1	B
Swamp 600 mm	11G-32-01006	1	C
Link ass'y	11G-A70-0013	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 330 mm	114-32-02003	1	
Single 400 mm	11G-32-02148	1	B
Single 600 mm	11G-32-02118	1	C
Holed single 400 mm	11G-32-02129	1	B
Swamp 600 mm	11G-32-02106	1	C
Link ass'y (Except swamp)	11G-32-00034	1	
Link ass'y (Swamp)	11G-32-00024	1	
Component parts			
Single 330 mm shoe	112-32-11112	82	A
Single 400 mm shoe	112-32-11453	82	B
Single 600 mm shoe	11G-32-21113	82	C
*Single 330 mm shoe, master	112-32-11510	2	A
*Single 400 mm shoe, master	112-32-11453	2	B
Holed single 400 mm shoe	112-32-11434	82	B
*Holed single 400 mm shoe, master	112-32-11530	2	A
Single 600 mm shoe	11G-32-21113	82	C
Swamp 600 mm shoe	11G-32-21120	82	C
*Single 600 mm shoe, master	11G-32-21130	2	C
Shoe bolt kit (Except swamp)	112-32-05021	7	
Shoe bolt kit (Swamp)	11G-32-05021	7	

D40/D41A-3 Serial No. 6001-

Part Name	Part No.	Q'ty	Classification
Sprocket	120-27-32213	2	
Sprocket rim	120-98-35110	2	
Sprocket teeth	131-27-61710	18	
Idler ass'y L.H.	125-30-00032	1	
Idler ass'y R.H.	125-30-00042	1	
Carrier roller ass'y	131-30-00316	2	
Track roller ass'y (Single)	131-30-00322	6	
Track roller ass'y (Double)	131-30-00332	4	
Shoe ass'y and link ass'y (Master pin type)			
Single 400 mm	124-32-01007	1	A
Single 460 mm	124-32-02207	1	B
Single 510 mm	124-32-02307	1	B
Triple 400 mm	125-32-01208	1	A
Holed single 400 mm	124-32-01805	1	A
Snow 400 mm	125-32-01234	1	A
Link ass'y	125-32-00012	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 400 mm	124-32-02406	1	A
Single 460 mm	124-32-02416	1	B
Single 510 mm	124-32-02426	1	B
Triple 400 mm	125-32-01328	1	A
Holed single 400 mm	124-32-02468	1	A
Snow 400 mm	125-32-01356	1	A
Link ass'y	125-32-00024	1	
Component parts			
Single 400 mm shoe	130-32-11113	74	A
Single 460 mm shoe	130-32-11280	74	B
Single 510 mm shoe	130-32-11270	74	B
Triple 400 mm shoe	131-32-11316	74	A
Holed single 400 mm shoe	130-32-11313	74	A
Snow 400 mm shoe	131-32-11352	74	A
Shoe bolt kit	205-32-05011	6	

D40/D41P-3 Serial No. 6001-

Part Name	Part No.	Q'ty	Classification
Sprocket	120-27-32313	2	
Sprocket rim	120-98-35110	2	
Sprocket teeth	131-27-61710	18	
Idler ass'y L.H.	125-30-00032	1	
Idler ass'y R.H.	125-30-00042	1	
Carrier roller ass'y	131-30-00316	2	
Track roller ass'y (Single)	131-30-00322	8	
Track roller ass'y (Double)	131-30-00332	4	
Shoe ass'y and link ass'y (Master pin type)			
Single 710 mm	12F-32-01415	1	C
Swamp 720 mm	12F-32-01408	1	C
Link ass'y	12F-32-00045	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 710 mm	12F-32-01516	1	C
Swamp 720 mm	12F-32-01507	1	C
Link ass'y (Single)	12F-32-00084	1	
Link ass'y (Swamp)	12F-32-00064	1	
Component parts			
Single 710 mm shoe	12G-32-11110	86	C
Swamp 720 mm shoe	12F-32-11113	86	C
Shoe bolt kit (Single)	205-32-05011	7	
Shoe bolt kit (Swamp)	13F-32-05001	7	

D41E-3 Serial No. 6001-

Part Name	Part No.	Q'ty	Classification
Sprocket	120-27-32213	2	
Sprocket rim	120-98-35110	2	
Sprocket teeth	131-27-61710	18	
Idler ass'y L.H.	125-30-00032	1	
Idler ass'y R.H.	125-30-00042	1	
Carrier roller ass'y	131-30-00316	2	
Track roller ass'y (Single)	131-30-00322	6	
Track roller ass'y (Double)	131-30-00332	4	
Shoe ass'y and link ass'y (Master pin type)			
Single 400 mm	130-32-02406	1	A
Single 460 mm	130-32-02416	1	B
Single 510 mm	130-32-02426	1	B
Snow 400 mm	131-32-01521	1	A
Link ass'y	131-32-00037	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 400 mm	130-32-02517	1	A
Single 460 mm	130-32-02527	1	B
Single 510 mm	130-32-02537	1	B
Snow 400 mm	131-32-03157	1	A
Link ass'y	131-32-00065	1	
Component parts			
Single 400 mm shoe	130-32-11113	78	A
Single 460 mm shoe	130-32-11280	78	B
Single 510 mm shoe	130-32-11270	78	B
Snow 400 mm shoe	131-32-11352	78	A
Shoe bolt kit	205-32-05011	7	

D41E-6 Serial No. B20001-

Remarks *: With AR (abrasion resistant) links

Part Name	Part No.	Q'ty	Classification
Sprocket	124-27-51155	2	
Idler ass'y	124-30-00101	2	
Carrier roller ass'y	124-30-00131	2	
Track roller ass'y (Single)	124-30-00112	12	
Shoe ass'y and link ass'y (Lubricated type)			
Single 510 mm	124-32-03000	1	A
*Single 510 mm	124-32-04000	1	A
Single 560 mm	124-32-03010	1	B
*Single 560 mm	124-32-04010	1	B
Holed single 510 mm	124-32-03020	1	A
Link ass'y	124-32-00020	1	
*Link ass'y	124-32-00100	1	
Component parts			
Single 510 mm shoe	124-32-51110	82	A
Single 560 mm shoe	124-32-51210	82	B
Holed single 510 mm shoe	124-32-51310	82	A
Shoe bolt kit	205-32-05011	7	

D41P-6 Serial No. B20001-

Remarks *: With AR (abrasion resistant) links

Part Name	Part No.	Q'ty	Classification
Sprocket	124-27-51155	2	
Idler ass'y	124-30-00101	2	
Carrier roller ass'y	124-30-00131	2	
Track roller ass'y (Single)	124-30-00112	14	
Shoe ass'y and link ass'y (Lubricated type)			
Swamp 700 mm	12G-32-03000	1	C
Single 700 mm	12G-32-03100	1	C
*Single 700 mm	12G-32-04000	1	C
Link ass'y (Single)	12G-32-00010	1	
*Link ass'y (Single)	12G-32-00100	1	
Link ass'y (Swamp)	12G-32-00020	1	
Component parts			
Swamp 700 mm shoe	12G-32-51110	88	C
Single 700 mm shoe	12G-32-51310	88	C
Shoe bolt kit (Single)	205-32-05011	7	
Shoe bolt kit (Swamp)	13F-32-05001	7	

D50A-17 Serial No. 80001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	131-27-61710	18	
Idler ass'y L.H.	131-30-00275	1	
Idler ass'y R.H.	131-30-00285	1	
Carrier roller ass'y	131-30-00316	4	
Track roller ass'y (Single)	130-30-00341	6	
Track roller ass'y (Double)	130-30-00351	4	
Shoe ass'y and link ass'y (Master pin type)			
Single 400 mm	130-32-02406	1	A
Single 460 mm	130-32-02416	1	B
Single 510 mm	130-32-02426	1	B
Holed single 460 mm	130-32-02436	1	B
Holed triple 400 mm	130-32-02447	1	A
Holed triple 460 mm	130-32-02457	1	B
Snow 400 mm	131-32-01521	1	A
Link ass'y	130-32-00037	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 400 mm	130-32-02517	1	A
Single 460 mm	130-32-02527	1	B
Single 510 mm	130-52-02537	1	B
Holed single 460 mm	130-32-02547	1	B
Holed triple 460 mm	130-32-02559	1	B
Snow 400 mm	130-32-03157	1	A
Link ass'y	131-32-00065	1	
Component parts			
Single 400 mm shoe	130-32-11113	78	A
Single 460 mm shoe	130-32-11280	78	B
Single 510 mm shoe	130-32-11270	78	B
Holed single 460 mm shoe	130-32-11291	78	B
Holed triple 400 mm shoe	130-32-11313	78	A
Holed triple 460 mm shoe	130-32-11421	78	B
Snow 400 mm shoe	131-32-11352	78	A
Shoe bolt kit	205-32-05011	7	

D50P-17 Serial No. 80001-

D53P-17 Serial No. 80001-

D58P-1 Serial No. 80588-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	131-27-61710	18	
Idler ass'y L.H.	131-30-00275	1	
Idler ass'y R.H.	131-30-00285	1	
Carrier roller ass'y	131-30-00316	4	
Track roller ass'y (Single)	131-30-00341	10	
Track roller ass'y (Double)	131-30-00351	6	
Shoe ass'y and link ass'y (Master pin type)			
Single 860 mm	13F-32-01513	1	C
Swamp 860 mm	13F-32-01214	1	C
Link ass'y	13F-32-00062	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 860 mm	13F-32-01643	1	C
Swamp 860 mm	13F-32-01634	1	C
Link ass'y (Single)	13F-32-00082	1	
Link ass'y (Swamp)	13F-32-00072	1	
Component parts			
Single 860 mm shoe	13F-32-21210	98	C
Swamp 860 mm shoe	13F-32-21112	98	C
Shoe bolt kit (Single)	205-32-05011	8	
Shoe bolt kit (Swamp)	13F-32-05001	8	

Undercarriage parts

D53A-17 Serial No. 80001- D58E-1 Serial No. 80888-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	131-27-61710	18	
Idler ass'y L.H.	131-30-00275	1	
Idler ass'y R.H.	131-30-00285	1	
Carrier roller ass'y	131-30-00316	4	
Track roller ass'y (Single)	130-30-00341	8	
Track roller ass'y (Double)	130-30-00351	4	
Shoe ass'y and link ass'y (Master pin type)			
Single 400 mm	130-32-01013	1	A
Single 460 mm	130-32-01113	1	B
Single 510 mm	130-32-01313	1	B
Holed single 460 mm	130-32-01213	1	B
Holed triple 400 mm	130-32-01414	1	A
Holed triple 460 mm	130-32-01514	1	B
Snow 400 mm	131-32-01513	1	A
Link ass'y	130-32-00071	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 400 mm	130-32-02603	1	A
Single 460 mm	130-32-02613	1	B
Single 510 mm	130-32-02633	1	B
Single 560 mm	130-32-02662	1	B
Holed single 460 mm	130-32-02623	1	B
Holed triple 400 mm	130-32-02645	1	A
Holed triple 460 mm	130-32-02655	1	B
Snow 400 mm	131-32-03163	1	A
Link ass'y	131-32-00082	1	
Component parts			
Single 400 mm shoe	130-32-11113	82	A
Single 460 mm shoe	130-32-11280	82	B
Single 510 mm shoe	130-32-11270	82	B
Single 560 mm shoe	130-32-11381	82	B
Holed single 460 mm shoe	130-32-11291	82	B
Holed triple 400 mm shoe	130-32-11313	82	A
Holed triple 460 mm shoe	130-32-11421	82	B
Snow 400 mm	131-32-11352	82	A
Shoe bolt kit	205-32-05011	7	

D58E-1A Serial No. 80858- D58E-1B Serial No. 80858-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	131-27-61710	18	
Idler ass'y L.H.	131-30-00275	1	
Idler ass'y R.H.	131-30-00285	1	
Carrier roller ass'y	131-30-00316	4	
Track roller ass'y (Single)	131-30-00341	8	
Track roller ass'y (Double)	131-30-00351	4	
Shoe ass'y and link ass'y (Master pin type)			
Single 460 mm	134-32-01002	1	A
Single 510 mm	134-32-01012	1	B
Single 560 mm	134-32-01022	1	B
Link ass'y	134-32-00111	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 460 mm	134-32-01512	1	A
Single 510 mm	130-32-02575	1	B
Single 560 mm	130-32-01503	1	B
Link ass'y	130-32-00104	1	
Component parts			
Single 460 mm shoe	130-32-11280	84	A
Single 510 mm shoe	130-32-11270	84	B
Single 560 mm shoe	130-32-11381	84	B
Shoe bolt kit	205-32-05011	7	

D57S-1 Serial No. 20001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	135-27-32220	18	
Idler ass'y L.H.	135-30-00032	1	
Idler ass'y R.H.	135-30-00052	1	
Idler ass'y	141-30-00538	2	(Strengthened track)
Carrier roller	131-30-00316	2	
Carrier roller ass'y	141-30-00566	2	(Strengthened track)
Track roller ass'y (Single)	131-30-00341	8	
Track roller ass'y (Single)	141-30-00577	8	(Strengthened track)
Track roller ass'y (Double)	130-30-00351	4	
Track roller ass'y (Double)	141-30-00587	4	(Strengthened track)
Shoe ass'y and link ass'y (Master pin type)			
Triple 400 mm	135-32-02204	1	A
Triple 440 mm	135-32-02214	1	B
Single 400 mm	135-32-02220	1	A
Snow 400 mm	135-32-02304	1	A
Link ass'y	135-32-00032	1	
Shoe ass'y and link ass'y (Lubricated type)			
Triple 400 mm	135-32-03120	1	A
Triple 440 mm	135-32-03130	1	B
Link ass'y	134-32-00011	1	
Component parts			
Triple 400 mm shoe	135-32-11333	78	A
Triple 440 mm shoe	135-32-11411	78	B
Single 400 mm shoe	135-32-11110	78	A
Snow 400 mm shoe	135-32-11351	78	A
Shoe bolt kit	205-32-05021	7	

D61EX-12 Serial No. 1001-

Remarks *: With AR (abrasion resistant) links

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	134-27-61460	18	
Idler ass'y	134-30-00200	2	
Carrier roller ass'y	134-30-00110	4	
Track roller ass'y (Single)	131-30-00342	8	
Track roller ass'y (Double)	131-30-00352	4	
Shoe ass'y and link ass'y (Lubricated type)			
Single 600 mm	134-32-01100	1	A
*Single 600 mm	134-32-02100	1	A
Link ass'y	134-32-00020	1	
*Link ass'y	134-32-00120	1	
Component parts			
Single 600 mm shoe	134-32-61110	80	A
Shoe bolt kit	134-32-05010	11	

D61PX-12 Serial No. 1001-

Remarks *: With AR (abrasion resistant) links

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	134-27-61460	18	
Idler ass'y	134-30-00200	2	
Carrier roller ass'y	134-30-00110	4	
Track roller ass'y (Single)	131-30-00342	12	
Track roller ass'y (Double)	131-30-00352	4	
Shoe ass'y and link ass'y (Lubricated type)			
Single 860 mm	13G-32-01200	1	C
*Single 860 mm	13G-32-02200	1	C
Swamp 860 mm	13G-32-01210	1	C
Link ass'y (Single)	13G-32-00020	1	
*Link ass'y (Single)	13G-32-00110	1	
Link ass'y (Swamp)	13G-32-00020	1	
Component parts			
Single 860 mm shoe	134-32-61110	90	C
Swamp 800mm shoe	13G-32-61410	90	C
Shoe bolt kit (Single)	134-32-05010	12	
Shoe bolt kit (Swamp)	13G-32-05010	12	

D65E, EX-12 Serial No. 60001-

Remarks *: With AR (abrasion resistant) links

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	14X-27-15112	18	
Idler ass'y	14X-27-00160	2	S/N60001-61617
Idler ass'y	14X-30-00114	2	S/N61618-
Carrier roller ass'y	14X-30-00142	4	
Track roller ass'y (Single)	14X-30-00083	10	
Track roller ass'y (Double)	14X-30-00092	4	
Shoe ass'y and link ass'y (Master pin type)			
Single 510 mm	14X-32-01200	1	A
Single 560 mm	14X-32-01210	1	B
Single 610 mm	14X-32-01220	1	B
Single 660 mm	14X-32-01230	1	C
Link ass'y	14X-32-00100	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 510 mm	14X-32-01100	1	A
Single 560 mm	14X-32-01110	1	B
Single 610 mm	14X-32-01120	1	B
Single 660 mm	14X-32-01130	1	C
*Single 510 mm	14X-32-01600	1	A
*Single 560 mm	14X-32-01610	1	B
*Single 610 mm	14X-32-01620	1	B
*Single 660 mm	14X-32-01630	1	C
Extreme service 510 mm	14X-32-01150	1	A
Holed triple 560 mm	14X-32-01140	1	B
Snow 510 mm	14X-32-01160	1	A
Link ass'y	14X-32-00010	1	
*Link ass'y	14X-32-00020	1	
Component parts			
Single 510 mm shoe	14X-32-11110	78	A
Single 560 mm shoe	14X-32-11360	78	B
Single 610 mm shoe	14X-32-11370	78	B
Single 660 mm shoe	14X-32-11380	78	C
Extreme service 510 mm shoe	14X-32-11390	78	A
Holed triple 560 mm shoe	207-32-11241	78	B
Snow 510 mm shoe	14X-32-11510	78	A
Shoe bolt kit	14X-32-05000	11	

D65EX-12 LONG TRACK Serial No. 60942-

Remarks *: With AR (abrasion resistant) links

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	14X-27-11512	18	
Idler ass'y	14X-27-00160	2	S/N60942-61617
Idler ass'y	14X-30-00114	2	S/N61618-
Carrier roller	14X-30-00142	4	
Track roller ass'y (Single)	14X-30-00083	12	
Track roller ass'y (Double)	14X-30-00092	4	
Shoe ass'y and link ass'y (Lubricated type)			
Single 510 mm	14X-32-01500	1	A
Single 560 mm	14X-32-01510	1	B
Single 610 mm	14X-32-01520	1	B
*Single 510 mm	14X-32-01630	1	A
*Single 560 mm	14X-32-01640	1	B
*Single 610 mm	14X-32-01320	1	B
Link ass'y	14Y-32-00020	1	
*Link ass'y	14Y-32-00030	1	
Component parts			
Single 510 mm shoe	14X-32-11110	90	A
Single 560 mm shoe	14X-32-11360	90	B
Single 610 mm shoe	14X-32-11370	90	B
Shoe bolt kit	14X-32-05000	12	

D65P, PX-12 Serial No. 60001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	14X-27-11511	18	
Idler ass'y	14X-27-00160	2	S/N60001-61604
Idler ass'y	14X-30-00114	2	S/N61605-
Carrier roller	14X-30-00142	4	
Track roller ass'y (Single)	14X-30-00083	12	
Track roller ass'y (Double)	14X-30-00092	4	
Shoe ass'y and link ass'y (Lubricated type)			
Single 915 mm	14Y-32-01110	1	C
Swamp 950 mm	14Y-32-01100	1	C
Link ass'y (Single)	14Y-32-00020	1	
Link ass'y (Swamp)	14Y-32-00010	1	
Component parts			
Single 915 mm shoe	14Y-32-11360	90	C
Swamp 950 mm shoe	14Y-32-11110	90	C
Shoe bolt kit (Single)	14X-32-05000	12	
Shoe bolt kit (Swamp)	14X-32-05000	12	

D66S-1 Serial No. 1001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	141-27-32410	18	
Idler ass'y L.H.	142-30-00010	1	
Idler ass'y R.H.	142-30-00020	1	
Carrier roller ass'y	141-30-00565	2	
Track roller ass'y (Single)	141-30-00576	8	
Track roller ass'y (Double)	141-30-00586	4	
Shoe ass'y and link ass'y (Lubricated type)			
Triple 460 mm	141-32-03724	1	A
Triple 510 mm	141-32-03754	1	B
Snow 460 mm	141-32-03764	1	A
Link ass'y	141-32-00063	1	
Component parts			
Triple 460 mm shoe	141-32-11291	78	B
Triple 510 mm shoe	141-32-11350	78	B
Snow 460 mm	141-32-11331	78	A
Shoe bolt kit	207-32-05000	10	

Undercarriage parts

D75A-1 Serial No. 50001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	14X-27-15111	18	
Idler ass'y	141-30-00538	2	
Carrier roller ass'y	14X-30-00140	4	
Track roller ass'y (Single)	14X-30-00080	8	
Track roller ass'y (Double)	14X-30-00090	6	
Shoe ass'y and link ass'y (Master pin type)			
Single 510 mm	144-32-02631	1	A
Single 560 mm	144-32-02131	1	B
Single 610 mm	144-32-02731	1	B
Extreme service 510 mm	144-32-02751	1	A
Extreme service 560 mm	144-32-02761	1	B
Extreme service 610 mm	144-32-02842	1	B
Link ass'y	144-32-00071	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 510 mm	144-32-04781	1	A
Single 560 mm	144-32-04791	1	B
Single 610 mm	144-32-04801	1	B
Extreme service 510 mm	144-32-04821	1	A
Extreme service 560 mm	144-32-04831	1	B
Extreme service 610 mm	144-32-04841	1	B
Link ass'y	144-32-00100	1	
Component parts			
Single 510 mm shoe	144-32-11112	80	A
Single 560 mm shoe	144-32-11341	80	B
Single 610 mm shoe	144-32-11351	80	B
Extreme service 510 mm shoe	144-32-11441	80	A
Extreme service 560 mm shoe	144-32-11480	80	B
Extreme service 610 mm shoe	144-32-11490	80	B
Shoe bolt kit	207-32-05002	11	

D75S-5 Serial No. 15001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	154-27-12273	14	
Sprocket teeth	154-27-12283	4	
Idler ass'y L.H.	145-30-00224	1	
Idler ass'y R.H.	145-30-00234	1	
Carrier roller ass'y	155-30-00233	4	
Track roller ass'y (Single)	155-30-00126	8	
Track roller ass'y (Double)	155-30-00116	6	
Shoe ass'y and link ass'y (Master pin type)			
Triple 460 mm	145-32-02990	1	A
Link ass'y	154-32-00114	1	
Shoe ass'y and link ass'y (Lubricated type)			
Triple 460 mm	145-32-02960	1	A
Single 460 mm	145-32-03020	1	A
Link ass'y	145-32-00320	1	
Component parts			
Triple 460 mm shoe	145-32-11314	76	A
Single 460 mm shoe	145-32-11460	76	A
Shoe bolt kit	154-32-05021	10	

D85E-SS-2A Serial No. 3001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	14X-27-15112	18	
Idler ass'y	14X-30-00114	2	
Carrier roller ass'y	14X-30-00142	4	
Track roller ass'y (Single)	14X-30-00083	12	
Track roller ass'y (Double)	14X-30-00092	4	
Shoe ass'y and link ass'y (Master pin type)			
Single 510 mm	14U-32-01120	1	A
Single 560 mm	14U-32-01110	1	B
Single 610 mm	14U-32-01100	1	B
Link ass'y	14U-32-00100	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 510 mm	14U-32-01220	1	A
Single 560 mm	14U-32-01210	1	B
Single 610 mm	14U-32-01200	1	B
Link ass'y	14U-32-00010	1	
Component parts			
Single 510 mm shoe	14X-32-11110	84	A
Single 560 mm shoe	14X-32-11360	84	B
Single 610 mm shoe	14X-32-11370	84	B
Shoe bolt kit	14X-32-05000	12	

D85A-21 Serial No. 35001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	154-27-12273	14	
Sprocket teeth	154-27-12283	4	
Idler ass'y	154-30-00771	2	
Carrier roller ass'y	155-30-00234	4	
Track roller ass'y (Single)	155-30-00240	10	
Track roller ass'y (Double)	155-30-00250	4	
Shoe ass'y and link ass'y (Master pin type)			
Single 560 mm	154-32-04071	1	A
Single 610 mm	154-32-04081	1	B
Single 660 mm	154-32-04091	1	B
Extreme service 560 mm	154-32-04101	1	A
Extreme service 610 mm	154-32-04121	1	B
Extreme service 660 mm	154-32-04131	1	B
Holed triple 560 mm	154-32-04171	1	A
Snow shoe 560 mm	154-32-04160	1	A
Link ass'y	154-32-00400	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 560 mm	154-32-04002	1	A
Single 610 mm	154-32-04012	1	B
Single 660 mm	154-32-04022	1	B
Extreme service 560 mm	154-32-04032	1	A
Extreme service 610 mm	154-32-04052	1	B
Extreme service 660 mm	152-32-04062	1	B
Holed triple 560 mm	154-32-04182	1	A
Link ass'y	154-32-00301	1	
Component parts			
Single 560 mm shoe	154-32-11113	78	A
Single 610 mm shoe	154-32-11315	78	B
Single 660 mm shoe	154-32-11372	78	B
Extreme service 560 mm shoe	154-32-11550	78	A
Extreme service 610 mm shoe	154-32-11590	78	B
Extreme service 660 mm shoe	154-32-11660	78	B
Holed triple 560 mm shoe	154-32-11533	78	A
Snow 560 mm shoe	154-32-11443	78	A
Shoe bolt kit	154-32-05021	11	

D85A-21B Serial No. 35001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	154-27-12273	14	
Sprocket teeth	154-27-12283	4	
Idler ass'y	154-30-00771	2	
Carrier roller ass'y	154-30-00234	4	
Track roller ass'y (Single)	154-30-00240	8	
Track roller ass'y (Double)	154-30-00250	4	
Shoe ass'y and link ass'y (Master pin type)			
Single 560 mm	154-32-03580	1	A
Single 610 mm	154-32-03590	1	B
Single 660 mm	154-32-03600	1	B
Extreme service 560 mm	154-32-03610	1	A
Holed triple 560 mm	154-32-03077	1	A
Link ass'y	154-32-00114	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 560 mm	154-32-03470	1	A
Single 610 mm	154-32-03480	1	B
Single 660 mm	154-32-03490	1	B
Extreme service 560 mm	154-32-03501	1	A
Extreme service 610 mm	154-32-03259	1	B
Extreme service 660 mm	152-32-03279	1	B
Link ass'y	154-32-00180	1	
Component parts			
Single 560 mm shoe	154-32-11113	76	A
Single 610 mm shoe	154-32-11315	76	B
Single 660 mm shoe	154-32-11372	76	B
Extreme service 560 mm	154-32-11550	76	A
Extreme service 610 mm	154-32-11590	76	B
Extreme service 660 mm	154-32-11660	76	B
Holed triple 560 mm shoe	154-32-11533	76	A
Shoe bolt kit	154-32-05021	11	

D85P-21 Serial No. 3001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	154-27-12273	14	
Sprocket teeth	154-27-12283	4	
Idler ass'y	154-30-00771	2	
Carrier roller ass'y	155-30-00234	4	
Track roller ass'y (Single)	155-30-00240	10	
Track roller ass'y (Double)	155-30-00250	6	
Shoe ass'y and link ass'y (Master pin type)			
Single 910 mm	154-820-0431	1	C
Swamp 910 mm	154-820-0421	1	C
Link ass'y	154-32-00410	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 910 mm	154-820-0412	1	C
Swamp 910 mm	154-820-0402	1	C
Link ass'y (Single)	154-32-00381	1	
Link ass'y (Swamp)	154-32-00372	1	
Component parts			
Single 910 mm shoe	154-820-1310	90	C
Swamp 910 mm shoe	154-820-1120	90	C
Shoe bolt kit (Single)	154-32-05021	12	
Shoe bolt kit (Swamp)	154-820-0521	12	

D85E-21 Serial No. 35001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	154-27-12273	14	
Sprocket teeth	154-27-12283	4	
Idler ass'y	154-30-00771	2	
Carrier roller ass'y	155-30-00234	4	
Track roller ass'y (Single)	155-30-00240	10	
Track roller ass'y (Double)	155-30-00250	4	
Shoe ass'y and link ass'y (Master pin type)			
Single 560 mm	154-32-02281	1	A
Single 610 mm	154-32-02291	1	B
Single 660 mm	154-32-02311	1	B
Extreme service 560 mm	154-32-02321	1	A
Extreme service 610 mm	154-32-02341	1	B
Extreme service 660 mm	154-32-02351	1	B
Snow shoe 560 mm	154-32-04160	1	
Link ass'y	154-32-00430	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 560 mm	154-32-02242	1	A
Single 610 mm	154-32-02252	1	B
Single 660 mm	154-32-02262	1	B
Extreme service 560 mm	154-32-02272	1	A
Extreme service 610 mm	154-32-02372	1	B
Extreme service 660 mm	152-32-02382	1	B
Link ass'y	154-32-00391	1	
Component parts			
Single 560 mm shoe	154-32-11113	82	A
Single 610 mm shoe	154-32-11315	82	B
Single 660 mm shoe	154-32-11372	82	B
Extreme service 560 mm shoe	154-32-11550	82	A
Extreme service 610 mm shoe	154-32-11590	82	B
Extreme service 660 mm shoe	154-32-11660	82	B
Shoe bolt kit	154-32-05021	11	

Undercarriage parts

D135A-2 Serial No. 10301-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	15A-27-11180	14	
Sprocket teeth	15A-27-11190	2	
Idler ass'y	15A-30-00050	2	
Carrier roller ass'y	175-30-00517	4	
Track roller ass'y (Single)	175-30-00760	8	
Track roller ass'y (Double)	175-30-00770	6	
Shoe ass'y and link ass'y (Master pin type)			
Single 560 mm	15A-32-01201	1	A
Single 610 mm	15A-32-01210	1	B
Single 660 mm	15A-32-01220	1	B
Single 710 mm	15A-32-01230	1	C
Extreme service 560 mm	15A-32-01241	1	A
Extreme service 610 mm	15A-32-01250	1	B
Extreme service 660 mm	15A-32-01260	1	B
Link ass'y	15A-32-00031	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 560 mm	15A-32-01003	1	A
Single 610 mm	15A-32-01013	1	B
Single 660 mm	15A-32-01023	1	B
Single 710 mm	15A-32-01033	1	C
Extreme service 560 mm	15A-32-01043	1	A
Extreme service 610 mm	15A-32-01053	1	B
Extreme service 660 mm	15A-32-01063	1	B
Link ass'y	15A-32-00013	1	
Component parts			
Single 560 mm shoe	170-32-11115	80	A
Single 610 mm shoe	175-32-11113	80	B
Single 660 mm shoe	170-32-11332	80	B
Single 710 mm shoe	175-32-11132	80	C
Extreme service 560 mm shoe	175-32-31313	80	A
Extreme service 610 mm shoe	175-32-31410	80	B
Extreme service 660 mm shoe	175-32-31420	80	B
Shoe bolt kit	178-32-05000	11	

D155A-2 Serial No. 50001-57000

*1: For limestone

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	17A-27-11630	18	
Idler ass'y	175-30-00575	2	
Carrier roller ass'y	175-30-00517	4	
Track roller ass'y (Single)	175-30-00760	4	
Track roller ass'y (Double)	175-30-00770	10	
Shoe ass'y and link ass'y (Master pin type)			
Single 560 mm	175-32-01411	1	A
Single 610 mm	175-32-01421	1	B
Single 660 mm	175-32-01431	1	B
Single 710 mm	175-32-01441	1	C
Single 760 mm	175-32-01451	1	C
Extreme service 560 mm	175-32-01461	1	A
*1Extreme service 560 mm	175-32-01491	1	A
Extreme service 610 mm	175-32-01471	1	A
Extreme service 660 mm	175-32-01481	1	B
Link ass'y	175-32-00411	1	B
Shoe ass'y and link ass'y (Lubricated type)			
Single 560 mm	175-32-01903	1	A
Single 610 mm	175-32-01913	1	B
Single 660 mm	175-32-01923	1	B
Single 710 mm	175-32-01933	1	C
Single 760 mm	175-32-01943	1	C
Extreme service 560 mm	175-32-01953	1	A
*1Extreme service 560 mm	175-32-01983	1	A
Extreme service 610 mm	175-32-01963	1	B
Extreme service 660 mm	175-32-01973	1	B
Link ass'y	175-32-00403	1	
Component parts			
Single 560 mm shoe	170-32-11115	82	A
Single 610 mm shoe	175-32-11113	82	B
Single 660 mm shoe	170-32-11332	82	B
Single 710 mm shoe	175-32-11132	82	C
Single 760 mm shoe	175-32-31321	82	C
Extreme service 560 mm shoe	175-32-31313	82	A
*1Extreme service 560 mm shoe	175-32-31430	82	A
Extreme service 610 mm shoe	175-32-31410	82	B
Extreme service 660 mm shoe	175-32-31420	82	B
Shoe bolt kit	178-32-05000	11	

D155A-2 Serial No. 57001-

*1: For limestone

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	17A-27-11630	18	
Idler ass'y	175-30-00575	2	
Carrier roller ass'y	175-30-00517	4	
Track roller ass'y (Single)	175-30-00760	4	
Track roller ass'y (Double)	175-30-00770	10	
Shoe ass'y and link ass'y (Lubricated type)			
Extreme service 560 mm	175-32-01953	1	A
*1Extreme service 560mm	175-32-01983	1	A
Extreme service 610 mm	175-32-01963	1	B
Extreme service 660 mm	175-32-01973	1	B
Link ass'y			
Component parts			
Extreme 560 mm shoe	175-32-31313	82	A
*1Extreme 560 mm shoe	175-32-31430	82	A
Extreme 610 mm shoe	175-32-31410	82	B
Extreme 660 mm shoe	175-32-31420	82	B
Shoe bolt kit	178-32-05000	11	

D155C-1 Serial No. 15686-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	175-27-22325	18	
Idler ass'y	176-30-00132	2	
Carrier roller ass'y	175-30-00633	4	
Track roller ass'y (Single)	176-30-00112	8	
Track roller ass'y (Double)	176-30-00122	8	
Shoe ass'y and link ass'y (Master pin type)			
Single 710 mm	176-32-01100	1	A
Single 760 mm	176-32-01200	1	B
Link ass'y	178-32-00013	1	
Component parts			
Single 710 mm shoe	175-32-11132	90	A
Single 760 mm shoe	175-32-31321	90	B
Shoe bolt kit	175-32-05100	12	

D155A-3 Serial No. 60001-

D155AX-3 Serial No. 60001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	17A-27-11630	18	
Idler ass'y	17A-30-00040	2	
Carrier roller ass'y	175-30-00517	4	
Track roller ass'y (Single)	17A-30-00070	6	
Track roller ass'y (Double)	17A-30-00080	6	
Shoe ass'y and link ass'y (Master pin type)			
Single 560 mm	175-32-01411	1	A
Single 610 mm	175-32-01421	1	B
Single 660 mm	175-32-01431	1	B
Single 710 mm	175-32-01441	1	C
Extreme service 560 mm	175-32-01461	1	A
Link ass'y	175-32-00411	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 560 mm	175-32-01903	1	A
Single 610 mm	175-32-01913	1	B
Single 660 mm	175-32-01923	1	B
Single 710 mm	175-32-01933	1	C
Extreme service 560 mm	175-32-01953	1	A
Extreme service 610 mm	175-32-01963	1	B
Extreme service 660 mm	175-32-01973	1	B
Link ass'y	175-32-00403	1	
Component parts			
Single 560 mm shoe	170-32-11115	82	A
Single 610 mm shoe	175-32-11113	82	B
Single 660 mm shoe	170-32-11332	82	B
Single 710 mm shoe	175-32-11132	82	C
Extreme service 560 mm shoe	175-32-31313	82	A
Extreme service 610 mm shoe	175-32-31410	82	B
Extreme service 660 mm shoe	175-32-31420	82	B
Shoe bolt kit	178-32-05000	11	

D155AX-5 Serial No. 70001-

*1: For limestone

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	17A-27-11630	18	
Idler ass'y	17A-30-00040	2	
Carrier roller ass'y	175-30-00517	4	
Track roller ass'y (Single)	17A-30-00070	6	
	17A-30-00070	*16	
Track roller ass'y (Double)	17A-30-00080	6	
Shoe ass'y and link ass'y (Master pin type)			
Single 560 mm	175-32-01411	1	A
Single 610 mm	175-32-01421	1	B
Single 660 mm	175-32-01431	1	B
Single 710 mm	175-32-01441	1	C
Extreme service 560 mm	175-32-01461	1	A
Link ass'y	175-32-00411	1	
Shoe ass'y and link ass'y (Lubricated type)			
Single 560 mm	175-32-01903	1	A
Single 610 mm	175-32-01913	1	B
Single 660 mm	175-32-01923	1	B
Single 710 mm	175-32-01933	1	C
Single 710 mm	*175-32-01730	1	C
Extreme service 560 mm	175-32-01953	1	A
Extreme service 610 mm	175-32-01963	1	B
Extreme service 660 mm	175-32-01973	1	B
Link ass'y	175-32-00403	1	
	*175-32-00470	1	
Component parts			
Single 560 mm shoe	170-32-11115	82	A
Single 610 mm shoe	175-32-11113	82	B
Single 660 mm shoe	170-32-11332	82	B
Single 710 mm shoe	175-32-11132	82	C
	175-32-11132	*188	C
Extreme service 560 mm shoe	175-32-31313	82	A
Extreme service 610 mm shoe	175-32-31410	82	B
Extreme service 660 mm shoe	175-32-31420	82	B
Shoe bolt kit	178-32-05000	11	
	178-32-05000	*12	

D275A-2 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	17M-27-21631	10	
Idler ass'y	17M-30-00210	2	
Carrier roller ass'y	195-30-00580	4	
Track roller ass'y (Single)	17M-30-00220	8	
Track roller ass'y (Double)	17M-30-00230	8	
Shoe ass'y and link ass'y (Lubricated type)			
Single 610 mm	17M-32-01501	1	A
Single 710 mm	17M-32-01601	1	B
Single 760 mm	17M-32-01701	1	B
Link ass'y	17M-32-00020	1	
Component parts			
Single 610 mm shoe	17M-32-31110	78	A
Single 710 mm shoe	17M-32-31310	78	B
Single 760 mm shoe	17M-32-31320	78	B
Shoe bolt kit	195-32-05300	11	

Undercarriage parts

D355C-3 Serial No. 4001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	195-27-12467	18	
Idler ass'y	196-30-00032	2	
Carrier roller ass'y	195-30-00106	4	
Track roller ass'y (Single)	195-30-00336	8	
Track roller ass'y (Double)	195-30-00346	8	
Shoe ass'y and link ass'y (Master pin type)			
Single 860 mm	196-32-01009	1	A
Single 960 mm	196-32-02009	1	B
Single 1010 mm	196-32-03009	1	B
Single 1010 mm skid proof	196-32-03101	1	B
Link ass'y	196-32-00017	1	
Component parts			
Single 860 mm shoe	196-32-11112	84	A
Single 960 mm shoe (L.H.)	196-32-12112	42	B
Single 960 mm shoe (R.H.)	196-32-12122	42	B
Single 1010 mm	196-32-13112	84	B
Single 1010 mm skid proof	196-32-13112	54	B
Single 1010 mm skid proof	196-32-11340	30	B
Shoe bolt kit	209-32-05022	12	

D355A-3 Serial No. 3301-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	195-27-12467	18	
Idler ass'y	195-30-00283	2	
Carrier roller ass'y	195-30-00106	4	
Track roller ass'y (Single)	195-30-00336	4	
Track roller ass'y (Double)	195-30-00346	10	
Shoe ass'y and link ass'y (Master pin type)			
Extreme service 610 mm	195-32-02007	1	A
Extreme service 710 mm	195-32-02316	1	B
Extreme service 760 mm	195-32-02327	1	B
Link ass'y	195-32-00105	1	
Shoe ass'y and link ass'y (Lubricated type)			
Extreme service 610 mm	195-32-02762	1	A
Extreme service 710 mm	195-32-02772	1	B
Extreme service 760 mm	195-32-02782	1	B
Link ass'y	195-32-00171	1	
Component parts			
Extreme service 610 mm shoe	195-32-41112	78	A
Extreme service 710 mm shoe	195-32-41352	78	B
Extreme service 760 mm shoe	195-32-41361	82	B
Shoe bolt kit	195-32-05100	11	

D375A-2 Serial No. 16001-

D375A-3 Serial No. 17001-17500

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	195-27-33110	10	
Idler ass'y	195-30-01030	2	
Carrier roller ass'y	195-30-01040	4	
Track roller ass'y (Single)	195-30-01011	8	
Track roller ass'y (Double)	195-30-01021	8	
Shoe ass'y and link ass'y (Lubricated type)			
Extreme service 610 mm	195-32-04202	1	A
Extreme service 710 mm	195-32-03111	1	B
Extreme service 760 mm	195-32-04220	1	B
Extreme service 810 mm	195-32-04232	1	C
Link ass'y	195-32-00431	1	
Component parts			
Extreme service 610 mm	195-32-61110	80	A
Extreme service 710 mm	195-32-61370	80	B
Extreme service 760 mm	195-32-61380	80	B
Extreme service 810 mm	195-32-61390	80	C
Shoe bolt kit	195-32-05400	11	

D375A-3 Serial No. 17501-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	195-27-33110	10	
Idler ass'y	195-30-01130	2	
Carrier roller ass'y	195-30-01040	4	
Track roller ass'y (Single)	195-30-01011	8	
Track roller ass'y (Double)	195-30-01021	6	
Shoe ass'y and link ass'y (Lubricated type)			
Extreme service 610 mm	195-32-04204	1	A
Extreme service 710 mm	195-32-03113	1	B
Extreme service 810 mm	195-32-04234	1	C
Link ass'y	195-32-00433	1	
Component parts			
Extreme service 610 mm	195-32-61110	80	A
Extreme service 710 mm	195-32-61370	80	B
Extreme service 810 mm	195-32-61390	80	C
Shoe bolt kit	195-32-05400	11	

D475A-2 Serial No. 10201-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	198-27-42260	10	
Idler ass'y	198-30-00700	2	
Carrier roller ass'y	198-30-00410	4	
Track roller ass'y (Single)	198-30-00421	8	
Track roller ass'y (Double)	198-30-00432	8	
Shoe ass'y and link ass'y (Lubricated type)			
Extreme service 710 mm	198-32-01056	1	A
Extreme service 810 mm	198-32-01452	1	B
Extreme service 910 mm	195-32-01326	1	C
Link ass'y	198-32-00121	1	
Component parts			
Extreme service 710 mm shoe, regular	198-32-31111	74	A
Extreme service 710 mm shoe, master	198-32-16142	4	A
Extreme service 810 mm shoe, regular	198-32-31372	74	B
Extreme service 810 mm shoe, master	198-32-31473	4	B
Extreme service 910 mm shoe, regular	198-32-31381	74	C
Extreme service 910 mm shoe, master	198-32-31482	4	C
Shoe bolt kit	198-32-05030	10	

D475A-3 Serial No. 10601-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	198-27-42260	10	
Idler ass'y	198-30-00800	2	
Carrier roller ass'y	198-30-00810	4	
Track roller ass'y (Double)	198-30-00433	14	
Shoe ass'y and link ass'y (Lubricated type)			
Extreme service 710 mm	198-32-01470	1	A
Extreme service 810 mm	198-32-01462	1	B
Extreme service 910 mm	198-32-01480	1	C
Link ass'y	198-32-00151	1	
Component parts			
Extreme service 710 mm shoe, regular	198-32-31111	76	A
Extreme service 710 mm shoe, master	198-32-16142	4	A
Extreme service 810 mm shoe, regular	198-32-31373	76	B
Extreme service 810 mm shoe, master	198-32-31474	4	B
Extreme service 910 mm shoe, regular	198-32-31382	76	C
Extreme service 910 mm shoe, master	198-32-31483	4	C
Shoe bolt kit	198-32-05030	11	

D475A-3 SD Serial No. 10601-

*1: Anti chipping

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	198-27-42261	10	
Idler ass'y	198-30-00800	2	
Carrier roller ass'y	198-30-00810	4	
Track roller ass'y (Single)	198-30-00422	8	
Track roller ass'y (Double)	198-30-00433	6	
Shoe ass'y and link ass'y (Lubricated type)			
Extreme service 810 mm	198-32-01462	1	B
	*198-32-01520	1	B
Extreme service 910 mm	198-32-01480	1	C
Link ass'y	198-32-00151	1	
	*198-32-00180	1	
Component parts			
Extreme service 810 mm shoe, regular	198-32-31373	76	B
Extreme service 810 mm shoe, master	198-32-31474	4	B
Extreme service 910 mm shoe, regular	198-32-31382	76	C
Extreme service 910 mm shoe, master	198-32-31483	4	C
Shoe bolt kit	198-32-05030	11	

D575A-2 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	19M-27-12842	10	
Sprocket teeth	19M-27-12852	2	
Idler ass'y	19M-30-00011	2	
Carrier roller ass'y	19M-30-00040	4	
Track roller ass'y (Single)	19M-30-00022	6	
Track roller ass'y (Double)	19M-30-00033	6	
Shoe ass'y and link ass'y (Lubricated type)			
Extreme service 600 mm	19M-32-01403	1	A
Extreme service 810 mm	19M-32-01104	1	B
Extreme service 860 mm	19M-32-01204	1	B
Extreme service 910 mm	19M-32-01300	1	C
Link ass'y	19M-32-00014	1	
Component parts			
Extreme service 760 mm shoe, regular	19M-32-11510	82	A
Extreme service 760 mm shoe, master	19M-32-11610	4	A
Extreme service 810 mm shoe, regular	19M-32-11380	82	B
Extreme service 810 mm shoe, master	19M-32-11480	4	B
Extreme service 860 mm shoe, regular	19M-32-11112	82	B
Extreme service 860 mm shoe, master	19M-32-11461	4	B
Extreme service 910 mm shoe, regular	19M-32-11390	82	C
Extreme service 910 mm shoe, master	19M-32-11490	4	C
Shoe bolt kit	19M-32-05001	12	

D575A-2 SD Serial No. 10012-

Part Name	Part No.	Q'ty	Classification
Sprocket teeth	19M-27-22840	10	
Sprocket teeth	19M-27-22850	2	
Idler ass'y	19M-30-00011	2	
Carrier roller ass'y	19M-30-00041	4	
Track roller ass'y (Single)	19M-30-00022	8	
Track roller ass'y (Double)	19M-30-00033	8	
Shoe ass'y and link ass'y (Lubricated type)			
Extreme service 860 mm	19M-32-01503	1	A
Extreme service 910 mm	19M-32-01603	1	B
Link ass'y	19M-32-00023	1	
Component parts			
Extreme service 860 mm shoe, regular	19M-32-11112	94	A
Extreme service 860 mm shoe, master	19M-32-11461	4	A
Extreme service 910 mm shoe, regular	19M-32-11390	94	B
Extreme service 910 mm shoe, master	19M-32-11490	4	B
Shoe bolt kit	19M-32-05001	13	

Undercarriage parts

PC05-6F Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	21M-27-48111	2	
Idler ass'y	20W-30-R2001	2	
Track roller ass'y	20M-30-31301	6	
Shoe ass'y			
Double grouser 250 mm	20W-32-11000	2	A
Rubber	20W-35-15111	2	D

PC05-7 Serial No. 8001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20M-27-71111	2	
Idler ass'y	20M-30-72002	2	
Track roller ass'y	20M-30-71301	6	
Shoe ass'y			
Double 230 mm	20W-32-10000	1	A
Rubber shoe 230 mm	20W-35-15111	2	S/N8001-10617
Rubber shoe 230 mm	20W-35-71510	2	S/N10618-
Component parts			
Double 230 mm shoe, regular	20W-32-11110	62	A
Double 230 mm shoe, master	20W-32-11210	2	A

PC10-6F Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20N-27-41510	2	
Idler ass'y	20N-30-40600	2	
Track roller ass'y	20N-30-00026	6	
Shoe ass'y			
Double grouser 250 mm	20N-32-11001	2	A
Double grouser 300 mm	20N-32-33000	2	B
Rubber	20N-35-41550	2	D

PC10-7 Serial No. 25001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20N-27-41510	2	S/N25001-27776
Sprocket	20N-27-71115	2	S/N27777-
Idler ass'y	20N-30-71300	2	S/N25001-27776
Idler ass'y	20N-30-71606	2	S/N27777-
Idler ass'y (rubber shoe)	21N-30-00010	2	S/N25001-27776
Carrier roller ass'y	20N-30-71200	2	
Carrier roller (rubber shoe)	20N-35-71200	2	S/N25001-27776
Track roller ass'y	20N-30-00026	6	S/N25001-27776
Track roller ass'y	20N-30-00040	8	S/N27777-
Track roller ass'y (rubber shoe)	20N-35-71300	6	S/N25001-27776
Shoe ass'y			
Double 250 mm	20N-32-00101	1	A
Double 300 mm	20N-32-00061	1	B
Rubber shoe 260 mm	20N-35-71102	2	S/N25001-27776
Rubber shoe 260 mm	20N-35-71116	2	S/N27777-
Rubber shoe 300 mm	20N-35-71600	2	S/N25001-27776
Component parts			
Double 250 mm shoe, regular	20N-32-21100	74	A
Double 250 mm shoe, master	20N-32-21200	2	A
Double 300 mm shoe, regular	20S-32-00023	74	B
Double 300 mm shoe, master	20S-32-00033	2	B

PC12R-8 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20M-27-81111	2	
Idler ass'y	20M-30-81300	2	
Idler ass'y (rubber shoe)	20M-30-81603	2	
Track roller ass'y	20M-30-81703	6	
Shoe ass'y			
Double 230 mm	20W-32-11000	2	A
Rubber 230 mm	20M-35-81110	2	D
Component parts			
Double 230 mm shoe, regular	20W-32-11110	62	
Double 230 mm shoe, master	20W-32-11210	2	

PC15-3 Serial No. 5001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20N-27-41510	2	S/N5001-6221
Sprocket	20N-27-71115	2	S/N6222-
Idler ass'y	20N-30-71300	2	S/N5001-6221
Idler ass'y	20N-30-71606	2	S/N6222-
Carrier roller ass'y	20N-30-71200	2	
Track roller ass'y	20N-30-00026	6	S/N5001-6221
Track roller ass'y	20N-30-00040	6	S/N6222-
Shoe ass'y			
Double 300 mm	20P-32-00101	1	A
Double 350 mm	20P-32-00061	1	B
Component parts			
Double 300 mm shoe, regular	20S-32-00023	78	A
Double 300 mm shoe, master	20S-32-00033	2	A
Double 350 mm shoe, regular	20P-32-12100	78	B
Double 350 mm shoe, master	20P-32-12200	2	B
Flat 250 mm shoe, regular	20R-32-00030	78	D
Flat 250 mm shoe, master	20R-32-00040	2	D

PC15R-8 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20M-27-81111	2	
Idler ass'y	20M-30-81300	2	
Idler ass'y (rubber shoe)	20M-30-81603	2	
Track roller ass'y	20M-30-81703	6	
Shoe ass'y			
Double 230 mm	20W-32-11000	2	A
Rubber 230 mm	20M-35-71510	2	D
Component parts			
Double 230 mm shoe, regular	20W-32-11110	62	A
Double 230 mm shoe, master	20W-32-11210	2	A

PC20-6F Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20S-27-33110	2	
Idler ass'y	20T-30-00103	2	
Track roller ass'y	20S-30-31501	8	
Shoe ass'y			
Triple 300 mm	A20S-32-OF11	1	A
Rubber	20S-32-32111	2	D

PC20-7 Serial No. 35001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20P-27-71115	2	
Idler ass'y	20N-30-71300	2	S/N35001-42354
Idler ass'y	20N-30-71606	2	S/N42355-
Carrier roller ass'y	20N-30-71200	2	
Track roller ass'y	20N-30-00026	8	S/N35001-42354
Track roller ass'y	20N-30-00040	8	S/N42355-
Shoe ass'y			
Double 300 mm	20P-32-00101	1	A
Double 350 mm	20P-32-00061	1	B
Component parts			
Double 300 mm shoe, regular	20S-32-00023	78	A
Double 300 mm shoe, master	20S-32-00033	2	A
Double 350 mm shoe, regular	20P-32-12100	78	B
Double 350 mm shoe, master	20P-32-12200	2	B

PC20MRX-1 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20C-27-31110	2	
Idler ass'y	20C-30-31200	2	
Carrier plate	20C-30-31240	4	
Track roller ass'y	21U-30-31301	6	
Shoe ass'y			
Double 250 mm	20C-32-31100	2	A
Road liner	20C-32-31201	2	D
Rubber 250 mm	20C-35-31101	2	D
Component parts			
Double 350 mm shoe, regular	20N-32-81200	76	A
Double 350 mm shoe, master	20N-32-81300	2	A
Road liner shoe, regular	20S-32-76131	76	D
Road liner shoe, master	20S-32-76141	2	D
Road liner shoe, rubber	20C-32-31211	78	D

PC20R-8 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20N-27-81111	2	
Idler ass'y	20P-30-81603	2	
Track roller ass'y	20N-30-71706	6	
Shoe ass'y			
Double 250 mm	20N-32-00101	1	A
Double 300 mm	20N-32-00081	1	B
Rubber 260 mm	20N-35-71116	2	D
Component parts			
Double 250 mm shoe, regular	20N-32-21100	74	A
Double 250 mm shoe, master	20N-32-21200	2	A
Double 300 mm shoe, regular	20N-32-33110	74	B
Double 300 mm shoe, master	20N-32-33210	2	B

PC25-1 Serial No. 1001- PC30-7 Serial No. 18001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20S-27-33111	2	
Idler ass'y	20S-30-00110	2	*1
Idler ass'y	20S-30-00120	2	*2
Carrier roller ass'y	20S-30-00050	2	
Track roller ass'y	20S-30-00020	8	*1
Track roller ass'y	20S-30-00021	8	*2
Shoe ass'y			
Double 300 mm	20S-32-00301	1	A
Double 400 mm	20S-32-00320	1	B
Component parts			
Double 300 mm shoe, regular	20S-32-00027	84	A
Double 300 mm shoe, master	20S-32-00037	2	A
Double 400 mm shoe, regular	20S-32-00054	84	B
Double 400 mm shoe, master	20S-32-00064	2	B

*1: PC25-1 Serial No. 1001-6440, PC30-7 Serial No. 18001-26422

*2: PC25-1 Serial No. 6441- and PC30-7 Serial No. 26423-

PC25R-8 Serial No. 10001- PC27R-8 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20N-27-71115	2	
Idler ass'y	20P-30-81603	2	
Carrier roller ass'y	20N-30-71200	2	
Track roller ass'y	20N-30-71706	6	PC25R-8
Track roller ass'y	20N-30-71706	8	PC27R-8
Shoe ass'y			
Double 300 mm	20P-32-00110	1	A
Double 350 mm	20P-32-00061	1	B
Rubber 300 mm	21U-35-32110	2	D
Component parts			
Double 300 mm shoe, regular	20P-32-70110	78	A
Double 300 mm shoe, master	20N-32-70120	2	A
Double 350 mm shoe, regular	20P-32-12100	78	B
Double 350 mm shoe, master	20P-32-12200	2	B

PC30-6F Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20S-27-33110	2	
Idler ass'y	20T-30-00103	2	
Track roller ass'y	20S-30-31501	8	
Shoe ass'y			
Triple 300 mm	A20S-32-OF11	1	A
Rubber	20S-32-32111	2	D

PC30MRX-1 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	21U-27-31110	2	
Idler ass'y	21U-30-31600	2	
Carrier roller ass'y	20N-30-31200	8	
Track roller ass'y	21U-30-31301	8	
Shoe ass'y			
Double 300 mm	21U-32-30011	2	A
Road liner	21U-32-31101	2	D
Rubber 300 mm	21U-35-31110	2	D
Component parts			
Double 300 mm shoe, regular	20P-32-70110	84	A
Double 300 mm shoe, master	20P-32-70120	2	A
Road liner shoe, regular	20S-32-76131	84	D
Road liner shoe, master	20S-32-76141	2	D
Road liner shoe, rubber	20S-32-76110	86	D

Undercarriage parts

PC30R-8 Serial No. 10001- PC35R-8 Serial No. 35001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20S-27-33111	2	
Idler ass'y	20S-30-00210	2	
Carrier roller ass'y	20T-30-00150	2	
Track roller ass'y	20S-30-00170	8	
Shoe ass'y			
Double 300 mm	20S-32-00301	1	A
Swamp 400 mm	20S-32-00330	1	C
Rubber 300 mm	20S-32-75112	2	D
Component parts			
Double 300 mm shoe, regular	20S-32-00027	84	A
Double 300 mm shoe, master	20S-32-00037	2	A
Swamp 400 mm shoe, regular	20S-32-00084	84	C
Swamp 400 mm shoe, master	20S-32-00094	2	C

PC40-6F Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20T-27-41112	2	
Idler ass'y	20T-30-00103	2	
Track roller ass'y	A20T-30-6311	10	
Shoe ass'y			
Triple 400 mm	A20T-32-E011	1	A
Rubber	20T-32-41522	2	D
Component parts			
Triple 400 mm	20T-32-42120	74	A
Shoe bolt kit	201-32-05000	6	

PC40-7 Serial No. 18001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20T-27-77110	2	
Idler ass'y	20T-30-00112	2	
Carrier roller ass'y	20T-30-00050	2	
Track roller ass'y	20T-30-00070	8	S/N18001-24521
Track roller ass'y	20T-30-00071	8	S/N24522-
Shoe ass'y and link ass'y			
Triple 400 mm	20T-32-00110	1	A
Triple 480 mm	20T-32-00320	1	B
Triple 550 mm	20T-32-00330	1	C
Link ass'y	20T-32-00140	1	
Component parts			
Triple 400 mm shoe	20T-32-77110	76	A
Triple 480 mm shoe	20T-32-71310	76	B
Triple 550 mm shoe	20T-32-71210	76	C
Shoe bolt kit	201-32-05001	7	

PC40MRX-1 Serial No. 1001-

Part Name	Part No.	Q'ty	Classification
Sprocket	22M-27-11110	2	
Idler ass'y	20T-30-00260	2	
Carrier roller ass'y	20T-30-00150	2	
Track roller ass'y	20T-30-00171	8	
Shoe ass'y and link ass'y			
Triple 400 mm	20T-32-00110	1	A
Road liner 400 mm	20U-32-02100	1	D
Rubber shoe 400 mm	20T-32-75112	2	D
Link ass'y	20T-32-00140	1	
Component parts			
Triple 400 mm shoe	20T-32-77110	76	A
Road liner 400 mm shoe	20T-32-76111	76	D
Shoe bolt kit (Triple)	201-32-05002	7	
Shoe bolt kit (Rubber pad)	20T-32-05000	7	

PC40R-8 Serial No. 30001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20T-27-71111	2	
Idler ass'y	20T-30-00260	2	
Carrier roller ass'y	20T-30-00150	2	
Track roller ass'y	20T-30-00170	8	
Shoe ass'y and link ass'y			
Double 400 mm	20T-32-00110	1	A
Road liner 400 mm	20U-32-02100	1	D
Rubber shoe 400 mm	20T-32-75112	2	D
Link ass'y	20T-32-00140	1	
Component parts			
Double 400 mm shoe	20T-32-77110	76	A
Road liner 400 mm shoe	20T-32-76111	76	D
Shoe bolt kit (Double)	201-32-05001	7	
Shoe bolt kit (Rubber pad)	20T-32-05000	7	

PC45-1 Serial No. 1001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20T-27-71111	2	
Idler ass'y	20T-30-00112	2	
Carrier roller ass'y	20T-30-00050	2	
Track roller ass'y	20T-30-00070	10	S/N1001-3505
Track roller ass'y	20T-30-00071	10	S/N3506-
Shoe ass'y and link ass'y			
Triple 400 mm	20T-32-00090	1	A
Triple 480 mm	20T-32-00320	1	B
Triple 550 mm	20T-32-00330	1	C
Link ass'y	20T-32-00140	1	
Component parts			
Triple 400 mm shoe	20T-32-71110	76	A
Triple 480 mm shoe	20T-32-71310	76	B
Triple 550 mm shoe	20T-32-71210	76	C
Shoe bolt kit	201-32-05001	7	

PC45R-8 Serial No. 5001-

Part Name	Part No.	Q'ty	Classification
Sprocket	21T-27-71111	2	
Idler ass'y	20T-30-00260	2	
Carrier roller ass'y	20T-30-00150	2	
Track roller ass'y	201-30-00170	10	
Shoe ass'y and link ass'y			
Triple 400 mm	20T-32-00090	1	A
Road liner 400 mm	20U-32-02100	1	D
Rubber 400 mm	20T-32-75112	2	D
Link ass'y	20T-32-00140	1	
Component parts			
Triple 400 mm shoe	20T-32-71110	76	A
Road liner 400 mm shoe	21T-32-76111	76	D
Shoe bolt kit	20T-32-05000	7	

PC60-7 Serial No. 45001-58000

Part Name	Part No.	Q'ty	Classification
Sprocket	21W-27-11110	2	
Idler ass'y	201-30-00260	2	
Carrier roller ass'y	20T-30-00050	2	
Track roller ass'y	201-30-00210	10	S/N45001-52373
Track roller ass'y	201-30-00291	10	S/N52374-
Shoe ass'y and link ass'y			
Triple 450 mm	201-32-02200	1	A
Triple 600 mm	201-32-02210	1	B
Swamp 700 mm	201-32-02220	1	C
Road liner 450 mm	201-32-02300	1	D
Rubber	201-32-76110	2	D
Link ass'y	201-32-00300	1	
Component parts			
Triple 450 mm shoe	201-32-71110	76	A
Triple 600 mm shoe	201-32-71310	76	B
Swamp 700 mm shoe	201-32-51320	76	C
Road liner 450 mm shoe	21W-32-26110	76	D
Shoe bolt kit (Triple)	201-32-05021	7	
Shoe bolt kit (Rubber pad)	21W-32-05000	7	
Shoe bolt kit (Swamp)	11G-32-05001	7	

PC60-7 Serial No. 58001-

Part Name	Part No.	Q'ty	Classification
Sprocket	21W-27-11111	2	
Idler ass'y	21W-30-00014	2	
Carrier roller ass'y	20T-30-00050	2	
Track roller ass'y	201-30-00291	10	
Shoe ass'y and link ass'y			
Triple 450 mm	201-32-02200	1	A
Triple 600 mm	201-32-02210	1	B
Swamp 700 mm	201-32-02220	1	C
Rubber	201-32-76110	2	D
Road liner 450 mm	201-32-02300	1	D
Link ass'y	201-32-00300	1	
Component parts			
Triple 450 mm shoe	201-32-71110	76	A
Triple 600 mm shoe	201-32-71310	76	B
Swamp 700 mm shoe	201-32-51320	76	C
Flat 480 mm shoe	201-32-51330	76	D
Road liner 450 mm shoe	21W-32-26110	76	D
Shoe bolt kit (Triple & Flat)	201-32-05021	7	
Shoe bolt kit (Swamp)	11G-32-05001	7	
Shoe bolt kit (Road liner)	21W-32-05000	7	

PC100-6 Serial No. 40001-

Part Name	Part No.	Q'ty	Classification
Sprocket	203-27-61310	2	
Idler ass'y	203-30-00210	2	
Carrier roller ass'y	203-30-00230	2	
Track roller ass'y	203-30-00222	12	
Shoe ass'y and link ass'y			
Triple 500 mm	202-32-02002	1	A
Triple 600 mm	202-32-02012	1	B
Triple 700 mm	202-32-02022	1	C
Swamp 750 mm	202-32-02042	1	C
Rubber	202-32-6R110	2	D
Road liner 500 mm	202-32-02101	1	D
Link ass'y	202-32-00202	1	
Component parts			
Triple 500 mm shoe	201-32-51110	80	A
Triple 600 mm shoe	201-32-51310	80	B
Triple 700 mm shoe	201-32-51320	80	C
Swamp 750 mm shoe	203-32-51340	80	C
Road liner 500 mm shoe	21Y-32-16110	80	D
Shoe bolt kit	203-32-05030	7	
Shoe bolt kit (Swamp)	203-32-05040	7	
Shoe bolt kit (Road liner)	21Y-32-05000	7	

PC120-6 Serial No. 45001-

PC130-6 Serial No. 45001-

Part Name	Part No.	Q'ty	Classification
Sprocket	203-27-61310	2	
Idler ass'y	203-30-00210	2	
Carrier roller ass'y	203-30-00230	2	
Track roller ass'y	203-30-00222	14	
Shoe ass'y and link ass'y			
Triple 500 mm	203-32-02002	1	A
Triple 600 mm	203-32-02012	1	B
Triple 700 mm	203-32-02022	1	C
Triple 750 mm	203-32-02032	1	C
Swamp 750 mm	203-32-02042	1	C
Rubber	203-32-5R110	1	D
Road liner 500 mm	21Y-32-02100	1	D
Link ass'y	203-32-00102	1	
Component parts			
Triple 500 mm shoe	203-32-51110	84	A
Triple 600 mm shoe	203-32-51310	84	B
Triple 700 mm shoe	203-32-51320	84	C
Triple 750 mm shoe	203-32-51330	84	C
Swamp 750 mm shoe	203-32-51340	84	C
Flat 480 mm shoe	203-32-51350	84	D
Road liner 500 mm shoe	21Y-32-16110	84	D
Shoe bolt kit	203-32-05030	7	
Shoe bolt kit (Swamp)	203-32-05040	7	
Shoe bolt kit (Road liner)	21Y-32-05000	7	

Undercarriage parts

PC128US-2 Serial No. 5001-

Part Name	Part No.	Q'ty	Classification
Sprocket	203-27-61310	2	
Idler ass'y	203-30-00210	2	S/N 5001-5362
	203-30-00211	2	S/N 5363-
Carrier roller ass'y	203-30-00230	2	
Track roller ass'y	203-30-00223	14	S/N 5001-5362
	22B-30-00010	14	S/N 5363-
Shoe ass'y and link ass'y			
Triple 500 mm	203-32-02002	1	A
Triple 600 mm	203-32-02012	1	B
Triple 700 mm	203-32-02022	1	C
Triple 750 mm	203-32-02042	1	C
Road liner 500 mm	21Y-32-02101	1	D
Link ass'y	203-32-00102	1	
Component parts			
Triple 500 mm shoe	203-32-51110	84	A
Triple 600 mm shoe	203-32-51310	84	B
Triple 700 mm shoe	203-32-51320	84	C
Triple 750 mm shoe	203-32-51340	84	C
Road liner 500 mm shoe	21Y-32-16111	84	D
Shoe bolt kit (Triple & Flat)	203-32-05030	7	
Shoe bolt kit (Road liner)	21Y-32-05001	7	

PC150HD, NHD-5K Serial No. K20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11581	2	
Idler ass'y	20Y-30-K1100	2	
Carrier roller ass'y	20Y-30-K1300	4	
Track roller ass'y	20Y-30-K1800	14	
Shoe ass'y and link ass'y			
Triple 600 mm	20Y-32-K1100	1	A
Triple 700 mm	20Y-32-K1200	1	B
Triple 800 mm	20Y-32-K1300	1	C
Triple 900 mm	20Y-32-K1400	1	C
Link ass'y	20Y-32-K1170	1	
Component parts			
Triple 600 mm shoe	20Y-32-K1130	90	A
Triple 700 mm shoe	20Y-32-K1140	90	B
Triple 800 mm shoe	20Y-32-K1150	90	C
Triple 900 mm shoe	20Y-32-K1160	90	C
Shoe bolt kit	20Y-32-05000	8	

PC180LC, NLC-5K Serial No. K20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11581	2	
Idler ass'y	20Y-30-K1100	2	
Carrier roller ass'y	20Y-30-K1300	4	
Track roller ass'y	20Y-30-K1102	14	
Shoe ass'y and link ass'y			
Triple 600 mm	20Y-32-K1102	1	A
Triple 700 mm	20Y-32-K1202	1	B
Triple 800 mm	20Y-32-K1302	1	C
Triple 900 mm	20Y-32-K1402	1	C
Link ass'y	20Y-32-K1171	1	
Component parts			
Triple 600 mm shoe	20Y-32-K1130	90	A
Triple 700 mm shoe	20Y-32-K1140	90	B
Triple 800 mm shoe	20Y-32-K1150	90	C
Triple 900 mm shoe	20Y-32-K1160	90	C
Shoe bolt kit	20Y-32-05000	8	

PC180LLC-5K Serial No. K20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11581	2	
Idler ass'y	20Y-30-K1100	2	
Carrier roller ass'y	20Y-30-K1300	4	
Track roller ass'y	20Y-30-K1102	18	
Shoe ass'y and link ass'y			
Triple 600 mm	20Y-32-K1502	1	A
Triple 700 mm	20Y-32-K1602	1	B
Triple 800 mm	20Y-32-K1702	1	C
Triple 900 mm	20Y-32-K1802	1	C
Link ass'y	20Y-32-K1511	1	
Component parts			
Triple 600 mm shoe	20Y-32-K1130	98	A
Triple 700 mm shoe	20Y-32-K1140	98	B
Triple 800 mm shoe	20Y-32-K1150	98	C
Triple 900 mm shoe	20Y-32-K1160	98	C
Shoe bolt kit	20Y-32-05000	8	

PC200-6 Serial No. 80001-

PC210-6 Serial No. 80001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11581	2	
Idler ass'y	20Y-30-00030	2	
Carrier roller ass'y	20Y-30-00022	4	
Track roller ass'y	20Y-30-00014	14	
Shoe ass'y and link ass'y			
Triple 500 mm	20Y-32-01064	1	A
Triple 600 mm	20Y-32-02000	1	A
Triple 700 mm	20Y-32-01014	1	B
Triple 800 mm	20Y-32-01024	1	C
Swamp 860 mm	20Y-32-01043	1	C
Road liner 600 mm	20Y-32-02101	1	D
Link ass'y	20Y-32-00013	1	
Component parts			
Triple 500 mm shoe	20Y-32-11361	90	A
Triple 600 mm shoe	20Y-32-21110	90	A
Triple 700 mm shoe	20Y-32-11311	90	B
Triple 800 mm shoe	20Y-32-11321	90	C
Swamp 860 mm shoe	20Y-32-11340	90	C
Road liner 600 mm	204-32-11510	90	D
Shoe bolt kit (Triple)	20Y-32-05000	8	
Shoe bolt kit (Swamp)	20Y-32-05010	8	

Note: PC210-6 only takes 500 mm and 600 mm shoes.

**PC200LC-6 Serial No. 80001-
PC210LC-6 Serial No. 80001-**

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11581	2	
Idler ass'y	20Y-30-00030	2	
Carrier roller ass'y	20Y-30-00022	4	
Track roller ass'y	20Y-30-00014	18	
Shoe ass'y and link ass'y			
Triple 600 mm	20Y-32-02010	1	A
Triple 700 mm	20Y-32-01204	1	B
Triple 800 mm	20Y-32-01224	1	C
Triple 900 mm	20Y-32-01234	1	C
Swamp 860 mm	20Y-32-01243	1	C
Road liner 600 mm	20Y-32-02201	1	D
Link ass'y	20Y-32-00023	1	
Component parts			
Triple 600 mm shoe	20Y-32-21110	98	A
Triple 700 mm shoe	20Y-32-11311	98	B
Triple 800 mm shoe	20Y-32-11321	98	C
Triple 900 mm shoe	20Y-32-11331	98	C
Swamp 860 mm shoe	20Y-32-11340	98	C
Road liner 600 mm shoe	20Y-32-11510	98	D
Shoe bolt kit	20Y-32-05000	8	
Shoe bolt kit (Swamp)	20Y-32-05010	8	
Shoe bolt kit (Flat)	20Y-32-05020	8	

Note: PC210LC-6 only takes 600 mm shoe.

PC210-5K Serial No. K20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11581	2	
Idler ass'y	20Y-30-K1100	2	
Carrier roller ass'y	20Y-30-K1300	4	
Track roller ass'y	20Y-30-K1800	14	
Shoe ass'y and link ass'y			
Triple 600 mm	20Y-32-K1102	1	
Triple 700 mm	20Y-32-K1202	1	
Triple 800 mm	20Y-32-K1302	1	
Triple 900 mm	20Y-32-K1402	1	
Link ass'y	20Y-32-K1171	1	
Component parts			
Triple 600 mm shoe	20Y-32-K1130	90	
Triple 700 mm shoe	20Y-32-K1140	90	
Triple 800 mm shoe	20Y-32-K1150	90	
Triple 900 mm shoe	20Y-32-K1160	90	
Shoe bolt kit	20Y-32-05000	8	

PC210LC-5K Serial No. K20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11581	2	
Idler ass'y	20Y-30-K1100	2	
Carrier roller ass'y	20Y-30-K1300	4	
Track roller ass'y	20Y-30-K1800	18	
Shoe ass'y and link ass'y			
Triple 600 mm	20Y-32-K1502	1	
Triple 700 mm	20Y-32-K1602	1	
Triple 800 mm	20Y-32-K1702	1	
Triple 900 mm	20Y-32-K1802	1	
Link ass'y	20Y-32-K1511	1	
Component parts			
Triple 600 mm shoe	20Y-32-K1130	98	
Triple 700 mm shoe	20Y-32-K1140	98	
Triple 800 mm shoe	20Y-32-K1150	98	
Triple 900 mm shoe	20Y-32-K1160	98	
Shoe bolt kit	20Y-32-05000	8	

**PC220-6 Serial No. 50001-
PC230-6 Serial No. 50001-**

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11561	2	
Idler ass'y	20Y-30-00030	2	
Carrier roller ass'y	20Y-30-00022	4	
Track roller ass'y	20Y-30-00014	16	
Shoe ass'y and link ass'y			
Triple 500 mm	206-32-03044	1	A
Triple 600 mm	206-32-03004	1	A
Triple 700 mm	206-32-03014	1	B
Triple 800 mm	206-32-03024	1	C
Road liner	206-32-02301	1	D
Link ass'y	206-32-00103	1	
Component parts			
Triple 500 mm shoe	20Y-32-11361	94	A
Triple 600 mm shoe	20Y-32-11111	94	A
Triple 700 mm shoe	20Y-32-11311	94	B
Triple 800 mm shoe	20Y-32-11321	94	C
Road liner shoe	20Y-32-11510	94	D
Shoe bolt kit (Triple)	20Y-32-05000	8	

Note: PC230-6 only takes 500 mm and 600 mm shoes.

**PC220LC-6 Serial No. 50001-
PC230LC-6 Serial No. 10001-**

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11561	2	
Idler ass'y	20Y-30-00030	2	
Carrier roller ass'y	20Y-30-00022	4	
Track roller ass'y	20Y-30-00014	20	
Shoe ass'y and link ass'y			
Triple 600 mm	206-32-03214	1	A
Triple 700 mm	206-32-03204	1	B
Triple 800 mm	206-32-03224	1	C
Link ass'y	206-32-00113	1	
Component parts			
Triple 600 mm shoe	20Y-32-11111	102	A
Triple 700 mm shoe	20Y-32-11311	102	B
Triple 800 mm shoe	20Y-32-11321	102	C
Shoe bolt kit (Triple)	20Y-32-05000	9	

Note: PC230LC-6 only takes 600 mm and 610 mm shoes.

PC228USLC-1 Serial No. 11001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11581	2	
Idler ass'y	20Y-30-00030	2	
Carrier roller ass'y	20Y-30-00022	4	
Track roller ass'y	20Y-30-00014	18	
Shoe ass'y and link ass'y			
Triple 600 mm	20Y-32-02011	1	A
Triple 700 mm	20Y-32-01205	1	B
Triple 800 mm	20Y-32-01225	1	C
Road liner 600 mm	20Y-32-02201	1	D
Link ass'y	20Y-32-00024	1	
Component parts			
Triple 600 mm shoe	20Y-32-21110	98	A
Triple 700 mm shoe	20Y-32-11311	98	B
Triple 800 mm shoe	20Y-32-11321	98	C
Road liner 600 mm	20Y-32-11510	98	D
Shoe bolt kit	20Y-32-05000	8	

Undercarriage parts

PC240-5K Serial No. K20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11581	2	
Idler ass'y	20Y-30-K1100	2	
Carrier roller ass'y	20Y-30-K1300	4	
Track roller ass'y	20Y-30-K1800	16	
Shoe ass'y and link ass'y			
Triple 600 mm	206-32-K1802	1	A
Triple 700 mm	206-32-K1902	1	B
Triple 800 mm	206-32-K2002	1	C
Link ass'y	206-32-K1811	1	
Component parts			
Triple 600 mm shoe	20Y-32-K1130	94	A
Triple 700 mm shoe	20Y-32-K1140	94	B
Triple 800 mm shoe	20Y-32-K1150	94	C
Shoe bolt kit	20Y-32-05000	8	

PC240LC-5K Serial No. K20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11581	2	
Idler ass'y	20Y-30-K1100	2	
Carrier roller ass'y	20Y-30-K1300	4	
Track roller ass'y	20Y-30-K1800	20	
Shoe ass'y and link ass'y			
Triple 600 mm	206-32-K2102	1	A
Triple 700 mm	206-32-K2202	1	B
Triple 800 mm	206-32-K2302	1	C
Link ass'y	206-32-K1811	1	
Component parts			
Triple 600 mm shoe	20Y-32-K1130	102	A
Triple 700 mm shoe	20Y-32-K1140	102	B
Triple 800 mm shoe	20Y-32-K1150	102	C
Shoe bolt kit	20Y-32-05000	9	

PC240NLC-5K Serial No. K20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	20Y-27-11581	2	
Idler ass'y	20Y-30-K1100	2	
Carrier roller ass'y	20Y-30-K1300	4	
Track roller ass'y	20Y-30-K1800	18	
Shoe ass'y and link ass'y			
Triple 600 mm	20Y-32-K1502	1	A
Triple 700 mm	20Y-32-K1602	1	B
Triple 800 mm	20Y-32-K1702	1	C
Link ass'y	20Y-32-K1511	1	
Component parts			
Triple 600 mm shoe	20Y-32-K1130	98	A
Triple 700 mm shoe	20Y-32-K1140	98	B
Triple 800 mm shoe	20Y-32-K1150	98	C
Shoe bolt kit	20Y-32-05000	8	

PC300-5 Serial No. 20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	207-27-33222	2	
Idler ass'y	207-30-00160	2	
Carrier roller ass'y	207-30-00140	4	
Track roller ass'y	207-30-00150	14	
Shoe ass'y and link ass'y			
Triple 500 mm	207-32-03051	1	A
Triple 600 mm	207-32-03001	1	A
Triple 700 mm	207-32-03011	1	B
Triple 750 mm	207-32-03021	1	B
Triple 800 mm	207-32-03031	1	C
Triple 850 mm	207-32-03041	1	C
Link ass'y	207-32-00101	1	
Component parts			
Triple 500 mm shoe	207-32-51350	94	A
Triple 600 mm shoe	207-32-51110	94	A
Triple 700 mm shoe	207-32-51310	94	B
Triple 750 mm shoe	207-32-51320	94	B
Triple 800 mm shoe	207-32-51330	94	C
Triple 850 mm shoe	207-32-51340	94	C
Shoe bolt kit	207-32-05030	13	

PC300-5K Serial No. K20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	207-27-33222	2	
Idler ass'y	207-30-K1900	2	
Carrier roller ass'y	207-30-K1800	4	
Track roller ass'y	207-30-K1700	14	
Shoe ass'y and link ass'y			
Triple 500 mm	207-32-03050	1	A
Triple 600 mm	207-32-03000	1	A
Triple 700 mm	207-32-03010	1	B
Triple 750 mm	207-32-03020	1	B
Triple 800 mm	207-32-03030	1	C
Link ass'y	207-32-00100	1	
Component parts			
Triple 500 mm shoe	207-32-51350	94	A
Triple 600 mm shoe	207-32-51110	94	A
Triple 700 mm shoe	207-32-51310	94	B
Triple 750 mm shoe	207-32-51320	94	B
Triple 800 mm shoe	207-32-51330	94	C
Shoe bolt kit	207-32-05030	13	

PC300-6 Serial No. 30001-

PC350-6 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	207-27-61210	2	
Idler ass'y	207-30-00160	2	
Carrier roller ass'y	207-30-00140	4	
Track roller ass'y	207-30-00150	14	
Shoe ass'y and link ass'y			
Triple 600 mm	207-32-03500	1	A
Triple 700 mm	207-32-03510	1	B
Triple 800 mm	207-32-03520	1	C
Triple 900 mm	207-32-03760	1	C
Link ass'y	207-32-00300	1	
Component parts			
Triple 600 mm shoe	207-32-61110	90	A
Triple 700 mm shoe	207-32-61310	90	B
Triple 800 mm shoe	207-32-61320	90	C
Triple 900 mm shoe	207-32-61360	90	C
Shoe bolt kit	207-32-05030	12	

Note: PC350-6 only takes 600 mm and 700 mm shoes.

PC300LC-5 Serial No. 20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	207-27-33222	2	
Idler ass'y	207-30-00160	2	
Carrier roller ass'y	207-30-00140	4	
Track roller ass'y	207-30-00150	16	
Shoe ass'y and link ass'y			
Triple 600 mm	207-32-03071	1	A
Triple 700 mm	207-32-03061	1	B
Triple 750 mm	207-32-03081	1	B
Triple 800 mm	207-32-03091	1	C
Triple 850 mm	207-32-03101	1	C
Link ass'y	207-32-00111	1	
Component parts			
Triple 600 mm shoe	207-32-51110	100	A
Triple 700 mm shoe	207-32-51310	100	B
Triple 750 mm shoe	207-32-51320	100	B
Triple 800 mm shoe	207-32-51330	100	C
Triple 850 mm shoe	207-32-51340	100	C
Shoe bolt kit	207-32-05030	14	

PC300LC, NLC-5K Serial No. K20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	207-27-33222	2	
Idler ass'y	207-30-K1900	2	
Carrier roller ass'y	207-30-K1800	4	
Track roller ass'y	207-30-K1700	16	
Shoe ass'y and link ass'y			
Triple 600 mm	207-32-03070	1	A
Triple 700 mm	207-32-03060	1	B
Triple 750 mm	207-32-03080	1	B
Triple 800 mm	207-32-03090	1	C
Triple 850 mm	207-32-03100	1	C
Link ass'y	207-32-00110	1	
Component parts			
Triple 600 mm shoe	207-32-51110	100	A
Triple 700 mm shoe	207-32-51310	100	B
Triple 750 mm shoe	207-32-51320	100	B
Triple 800 mm shoe	207-32-51330	100	C
Triple 850 mm shoe	207-32-51340	100	C
Shoe bolt kit	207-32-05030	14	

PC300LC-6 Serial No. 30001-

PC350LC-6 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	207-27-61210	2	
Idler ass'y	207-30-00160	2	
Carrier roller ass'y	207-30-00140	4	
Track roller ass'y	207-30-00150	16	
Shoe ass'y and link ass'y			
Triple 600 mm	207-32-03600	1	A
Triple 700 mm	207-32-03610	1	B
Triple 800 mm	207-32-03620	1	C
Link ass'y	207-32-00310	1	
Component parts			
Triple 600 mm shoe	207-32-61110	96	A
Triple 700 mm shoe	207-32-61310	96	B
Triple 800 mm shoe	207-32-51210	96	C
Shoe bolt kit	207-32-05030	13	

Note: PC350LC-6 only takes 600 mm and 700 mm shoes.

PC400-5 Serial No. 20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	208-27-31221	2	
Idler ass'y	208-30-00200	2	
Carrier roller ass'y	207-30-00140	4	
Track roller ass'y	208-30-00210	14	
Shoe ass'y and link ass'y			
Triple 600 mm	208-32-02001	1	A
Triple 700 mm	208-32-02011	1	B
Triple 750 mm	208-32-02041	1	B
Triple 800 mm	208-32-02021	1	C
Triple 900 mm	208-32-02031	1	C
Link ass'y	208-32-00101	1	
Component parts			
Triple 600 mm shoe	208-32-51112	98	A
Triple 700 mm shoe	208-32-51321	98	B
Triple 750 mm shoe	208-32-51341	98	B
Triple 800 mm shoe	208-32-51321	98	C
Triple 850 mm shoe	208-32-51331	98	C
Shoe bolt kit	208-32-05050	14	

PC400-6 Serial No. 30001-

PC450-6 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	208-27-61210	2	
Idler ass'y	208-30-00200	2	
Carrier roller ass'y	208-30-00340	4	
Track roller ass'y	208-30-00210	14	
Shoe ass'y and link ass'y			
Triple 600 mm	208-32-03000	1	A
Triple 700 mm	208-32-03010	1	B
Triple 800 mm	208-32-03020	1	C
Link ass'y	208-32-00300	1	
Component parts			
Triple 600 mm shoe	208-32-61110	92	A
Triple 700 mm shoe	208-32-61310	92	B
Triple 800 mm shoe	208-32-61320	92	C
Shoe bolt kit	208-32-05050	13	

Note: PC450-6 only takes 600 mm and 700 mm shoes.

PC400LC-5 Serial No. 20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	208-27-31221	2	
Idler ass'y	208-30-00200	2	
Carrier roller ass'y	207-30-00140	4	
Track roller ass'y	208-30-00210	16	
Shoe ass'y and link ass'y			
Triple 600 mm	208-32-01241	1	A
Triple 700 mm	208-32-01251	1	B
Triple 750 mm	208-32-01261	1	B
Triple 800 mm	208-32-01281	1	C
Triple 900 mm	208-32-01271	1	C
Link ass'y	208-32-00141	1	
Component parts			
Triple 600 mm shoe	208-32-51112	104	A
Triple 700 mm shoe	208-32-51312	104	B
Triple 750 mm shoe	208-32-51341	104	B
Triple 800 mm shoe	208-32-51321	104	C
Triple 900 mm shoe	208-32-51331	104	C
Shoe bolt kit	208-32-05050	14	

Undercarriage parts

PC400LC-6 Serial No. 30001- PC450LC-6 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	208-27-61210	2	
Idler ass'y	208-30-00200	2	
Carrier roller ass'y	208-30-00340	4	
Track roller ass'y	208-30-00210	16	
Shoe ass'y and link ass'y			
Triple 600 mm	208-32-03100	1	A
Triple 700 mm	208-32-03110	1	B
Triple 800 mm	208-32-03120	1	C
Triple 900 mm	208-32-03140	1	C
Link ass'y	208-32-00101	1	
Component parts			
Triple 600 mm shoe	208-32-61110	98	A
Triple 700 mm shoe	208-32-61310	98	B
Triple 800 mm shoe	208-32-61320	98	C
Triple 900 mm shoe	208-32-61340	98	C
Shoe bolt kit	208-32-05050	14	

Note: PC450LC-6 only takes 600 mm and 700 mm shoes.

PC600-6 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	21M-27-11220	2	
Idler ass'y	21M-30-00300	2	
Carrier roller ass'y	21M-30-00200	6	
Track roller ass'y	21M-30-00100	16	
Shoe ass'y and link ass'y			
Triple 600 mm	21M-32-01000	1	A
Triple 750 mm	21M-32-01010	1	B
Link ass'y	21M-32-00100	1	
Component parts			
Triple 600 mm shoe	21M-32-11110	98	A
Triple 750 mm shoe	21M-32-11240	98	B
Shoe bolt kit	21M-32-05010	14	

PC600LC-6 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	21M-27-11220	2	
Idler ass'y	21M-30-00300	2	
Carrier roller ass'y	21M-30-00200	6	
Track roller ass'y	21M-30-00100	18	
Shoe ass'y and link ass'y			
Triple 600 mm	21M-32-01100	1	A
Triple 750 mm	21M-32-01110	1	B
Triple 900 mm	21M-32-01120	1	C
Link ass'y	21M-32-00200	1	
Component parts			
Triple 600 mm shoe	21M-32-11110	104	A
Triple 750 mm shoe	21M-32-11240	104	B
Triple 900 mm shoe	21M-32-11230	104	C
Shoe bolt kit	21M-32-05010	14	

PC650-5 Serial No. 20001- PC650SE-5 Serial No. 20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	209-27-51171	2	
Idler ass'y	209-30-00014	2	
Carrier roller ass'y	195-30-00580	6	
Track roller ass'y	209-30-00191	16	
Shoe ass'y and link ass'y			
Double 610 mm	209-32-01507	1	A
Double 710 mm	209-32-01800	1	B
Double 810 mm	209-32-01606	1	B
Double 910 mm	209-32-02030	1	C
Double 1010 mm	209-32-02040	1	C
Link ass'y	209-32-00050	1	
Component parts			
Double 610 mm shoe	209-32-11115	94	A
Double 710 mm shoe	209-32-11710	94	B
Double 810 mm shoe	209-32-11213	94	B
Double 910 mm shoe	209-32-11311	94	C
Double 1010 mm shoe	209-32-11411	94	C
Shoe bolt kit	209-32-05022	13	

PC650LC-5 Serial No. 20001-

Part Name	Part No.	Q'ty	Classification
Sprocket	209-27-51171	2	
Idler ass'y	209-30-00014	2	
Carrier roller ass'y	195-30-00580	6	
Track roller ass'y	209-30-00191	18	
Shoe ass'y and link ass'y			
Double 610 mm	209-32-01900	1	A
Double 810 mm	209-32-01732	1	B
Double 1010 mm	209-32-01712	1	C
Double 1110 mm	209-32-01701	1	C
Link ass'y	209-32-00110	1	
Component parts			
Double 610 mm shoe	209-32-11115	102	A
Double 810 mm shoe	209-32-11213	102	B
Double 1010 mm shoe	209-32-11411	102	C
Double 1110 mm shoe	209-32-11611	102	C
Shoe bolt kit	209-32-05022	14	

PC710-5 Serial No. 10119- PC710SE-5 Serial No. 10119-

Part Name	Part No.	Q'ty	Classification
Sprocket	209-27-51171	2	
Idler ass'y	209-30-00014	2	
Carrier roller ass'y	195-30-00580	6	
Track roller ass'y	209-30-00191	16	
Shoe ass'y and link ass'y			
Double 610 mm	209-32-01507	1	A
Double 710 mm	209-32-01800	1	B
Link ass'y	209-32-00023	1	
Component parts			
Double 610 mm	209-32-11115	94	A
Double 710 mm	209-32-11710	94	B
Shoe bolt kit	209-32-05022	13	

**PC750-6 Serial No. 10001-
PC750SE-6 Serial No. 10001-
PC800-6 Serial No. 30001-
PC800SE-6 Serial No. 30001-**

Part Name	Part No.	Q'ty	Classification
Sprocket	209-27-51171	2	
Idler ass'y	209-30-00014	2	
Carrier roller ass'y	195-30-00580	6	
Track roller ass'y	209-30-00191	16	
Shoe ass'y and link ass'y			
Double 610 mm	209-32-02000	1	A
Double 710 mm	209-32-02010	1	B
Double 810 mm	209-32-02020	1	B
Double 910 mm	209-32-02030	1	C
Double 1010 mm	209-32-02040	1	C
Link ass'y	209-32-00100	1	
Component parts			
Double 610 mm shoe	209-32-11115	94	A
Double 710 mm shoe	209-32-11710	94	B
Double 810 mm shoe	209-32-11213	94	B
Double 910 mm shoe	209-32-11311	94	C
Double 1010 mm shoe	209-32-11411	94	C
Shoe bolt kit	209-32-05022	13	

Note: PC800-6 and PC800SE-6 only take 610 mm and 710 mm shoes.

PC750LC-6 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	209-27-51171	2	
Idler ass'y	209-30-00014	2	
Carrier roller ass'y	195-30-00580	6	
Track roller ass'y	209-30-00191	18	
Shoe ass'y and link ass'y			
Double 810 mm	209-32-02100	1	A
Double 1010 mm	209-32-02110	1	B
Double 1110 mm	209-32-02120	1	C
Link ass'y	209-32-00110	1	
Component parts			
Double 810 mm shoe	209-32-11213	102	A
Double 1010 mm shoe	209-32-11411	102	B
Double 1110 mm shoe	209-32-11611	102	C
Shoe bolt kit	209-32-05022	14	

**PC1000-1 Serial No. 10001-
PC1000SE-1 Serial No. 10001-
PC1000SP-1 Serial No. 10001-**

Part Name	Part No.	Q'ty	Classification
Sprocket	21N-27-11172	2	
Idler ass'y	21N-30-00011	2	
Carrier roller ass'y	21N-30-00030	6	
Track roller ass'y	21N-30-00023	16	
Shoe ass'y and link ass'y			
Double 710 mm	21N-32-01005	1	A
Double 910 mm	21N-32-01023	1	B
Double 1010 mm	21N-32-01034	1	C
Link ass'y	21N-32-00013	1	
Component parts			
Double 710 mm shoe	21N-32-11113	102	A
Double 910 mm shoe	21N-32-11312	102	B
Double 1010 mm shoe	21N-32-11412	102	C
Shoe bolt kit	21N-32-05001	14	

PC1000LC-1 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	21N-27-11172	2	
Idler ass'y	21N-30-00011	2	
Carrier roller ass'y	21N-30-00030	6	
Track roller ass'y	21N-30-00023	20	
Shoe ass'y and link ass'y			
Double 1010 mm	21N-32-01103	1	A
Double 1210 mm	21N-32-01113	1	B
Link ass'y	21N-32-00022	1	
Component parts			
Double 1010 mm shoe	21N-32-11412	116	A
Double 1210 mm shoe	21N-32-11511	116	B
Shoe bolt kit	21N-32-05001	16	

**PC1100-6 Serial No. 10001-
PC1100SP-6 Serial No. 10001-**

Part Name	Part No.	Q'ty	Classification
Sprocket	21N-27-31191	2	
Idler ass'y	21N-30-00110	2	
Carrier roller ass'y	21N-30-00130	6	
Track roller ass'y	21N-30-00120	16	
Shoe ass'y and link ass'y			
Double 700 mm	21N-32-02000	1	A
Double 1000 mm	21N-32-02010	1	B
Link ass'y	21N-32-00100	1	
Component parts			
Double 700 mm shoe	21N-32-31110	96	A
Double 1000 mm shoe	21N-32-31310	96	B
Shoe bolt kit	21N-32-05020	13	

PC1100LC-6 Serial No. 10001-

Part Name	Part No.	Q'ty	Classification
Sprocket	21N-27-31191	2	
Idler ass'y	21N-30-00110	2	
Carrier roller ass'y	21N-30-00130	6	
Track roller ass'y	21N-30-00120	20	
Shoe ass'y and link ass'y			
Double 1000 mm	21N-32-02101	1	A
Double 1200 mm	21N-32-02111	1	B
Link ass'y	21N-32-00110	1	
Component parts			
Double 1000 mm shoe	21N-32-31310	110	A
Double 1200 mm shoe	21N-32-31320	110	B
Shoe bolt kit	21N-32-05020	15	

**PC1600-1 Serial No. 10001-
PC1600SP-1 Serial No. 10001-**

Part Name	Part No.	Q'ty	Classification
Sprocket	21T-27-71173	2	
Idler ass'y	21T-30-00071	2	
Carrier roller ass'y	21T-30-00090	6	
Track roller ass'y	21T-30-00080	16	
Shoe ass'y and link ass'y			
Double 810 mm	21T-32-01011	1	A
Triple 810 mm	21T-32-01301	1	A
Link ass'y	21T-32-00021	1	
Component parts			
Double 810 mm shoe	21T-32-31110	98	A
Triple 810 mm shoe	21T-32-31350	98	A
Shoe bolt kit	21T-32-05020	14	

KUC REPORTING PROGRAM -Version 1

(KUC: Komatsu Undercarriage Inspection Service)

It was developed to support Parts Sales activities on undercarriage business for all crawler machines, which activates on EXCEL 97 and over, and is designed user friendly. User needs input actual inspection data only and just click related menu bar for all other operation of this program.

This will be useful for Service persons as well as Parts Salesman.

Now undercarriage component wear percentage and wear trend can be **simply** known, and **prompt** reporting reporting and recommendation are able to be presented to end user by using Personal Computer in the field or in the office.

Summary of the program

1. Create undercarriage inspection report and estimate wear percentage.
2. Store all historical inspection record even after pin and bushing turning.
3. Create trend graph of each component wear.
4. All undercarriage component standard value are available.
5. Summary report is available for fleet customer.

How this program can help the undercarriage parts sales activities.

1. Create the inspection report.

User needs just select standard value and type measurement result so that program calculate wear parentage automatically.

The given wear percentage could be shown with stronger yellow back ground when the figure are over 80% and below 100%, and it will be red when over 100%. Back ground color is changed automatically and it enables easy understanding.

2&3 Record & Graph

The program stores all historical measurement record, and the trend graph for each component wear can be seen and even print out. Parts Salesman is able to show this and advise the best treatment.

4. Standard value

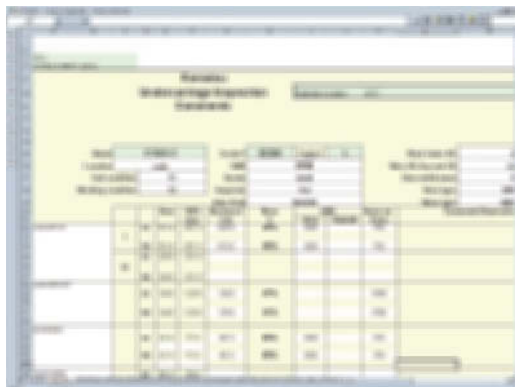
All undercarriage standard value for Crawler type machine are available in this program.

The value are able to be added whenever new models are released so it can be maintained timely.

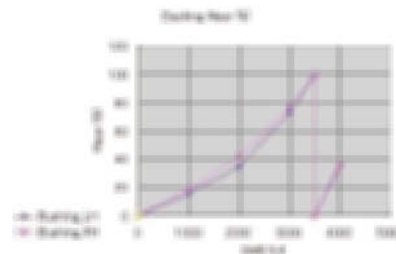
5. Summary report for fleet customer

All inspection record are stored in this program and monthly summary report for wear status on all measured machines can be provided and submitted. Customer are able to study undercarriage repair or overhaul plan from this.

Inspection Report



Graph



Report for Customer



This program is available as a service material and can be ordered with the form No. **SELA195000P** at **US\$50.00**.

Repair and Maintenance Items

1. Sealant Repair KIT



KIT Part No. 09940-10000

O-rings, thread tighteners, Moly-lubricant and liquid gaskets are used in many places on KOMATSU products. In field servicing or shop repair, these sealants should be available at all times.

This Sealant Repair Kit ensures minimum downtime, prevention of oil leaks and long serviceability, resulting in high reliability by users of our products.

2. Rubber Adhesive (LT-1A)



**Part No. 790-129-9030
(150g)**

Used to apply rubber pads, rubber gaskets, and cork plugs.

No.	Description	Part No.	Q'ty (Capacity)
1	Sealant Repair Kit	09940-10000	1
2	Liquid Gasket	09940-00011	2 (250g x 2)
3	Thread Tightener	09940-00030	3 (50g x 3)
4	Moly-Lubricant	09940-00040	1 (200g)
5	Rust Proof Oil	09940-00051	2 (60g x 2)
6	O-ring Kit	09940-00061	1
7	O-ring	07002-12434	10 pcs.
8	O-ring	07002-13634	10 pcs.
9	O-ring	07000-13075	10 pcs.
10	O-ring	07000-13060	10 pcs.
11	O-ring	07000-13048	10 pcs.
12	O-ring	07000-13038	10 pcs.
13	O-ring	07000-13032	10 pcs.
14	O-ring	07000-13028	10 pcs.
15	O-ring	07000-13025	10 pcs.
16	O-ring	07000-13022	10 pcs.
17	Seal Tape	09940-00070	1
18	Case	09940-00081	1

3. Thread Tightener (LT-2)



**Part No. 09940-00030
(50g)**

Used to prevent bolts, nuts and plugs from loosening and leaking oil.

4. Fitting Adhesive (LT-4)



**Part No. 790-129-9040
(250g)**

Used to apply cork plugs and fittings.

5. Liquid Gasket (LG-1)



Used with gaskets and packings to increase sealing effect.
Operating temperature range: -50°C to 150°C

Part No. 790-129-9010
(200g)

8. Liquid Gasket (LG-7)



Used by itself on oil pan, flywheel housing, etc.
Operating temperature range: -60°C to 230°C

Part No. 09920-00150
(150g)

6. Liquid Gasket (LG-4)



Used by itself on mounting surfaces on the final drive and transmission cases.
(Thickness after tightening: 0.07 to 0.08 mm)
Operating temperature range: -50°C to 150°C

Part No. 790-129-9020
(200g)

9. Molybdenum Lubricant (LM-P)



Applied to bearings and taper shafts to facilitate pressfitting and to prevent sticking, seizing or rusting.

Part No. 09940-00040
(20g)

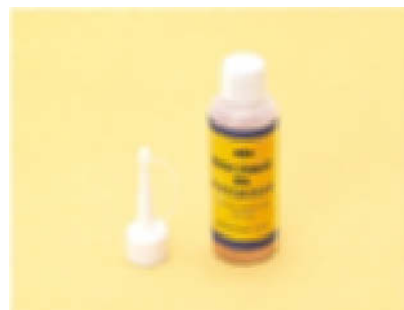
7. Liquid Gasket (LG-6)



Can be used instead of LG-1, LG-4, nonsolvent type.
Cannot be used with copper alloy.
Operating temperature range: -60°C to 230°C

Part No. 09940-00011
(250g)

10. Rust Proof Oil



Prevents bolts, nuts and plugs from rust, and is used for lubrication and facilitation of re-assembly work.

Part No. 09940-00051
(60g)

11. Ether Cylinders



These are used to improve engine starting in cold areas. Ether is injected at the intake side to make ignition easier. Ether is highly flammable, so great care must be taken in handling the cylinders.

Applicable model	Part No.
D155A, D355A	6127-81-9890
HD785, HD1200, HD465	CU3302657

12. Tire Valve Caps and Cores



These tire valve caps and cores are for tubeless tires.

Bore size	Valve cap	Valve core
Standard bore	09282-00020	09281-00021
Standard bore	09282-00020	09281-00033
Large bore	09282-00022	09281-00041

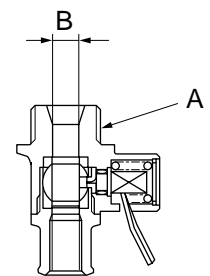
13. Gasket Remover



Simply spraying this gasket remover enables to be removed speedily and easily sticky and difficult to remove materials like liquid gasket, solid gaskets, packing and sealant.

Part No. 790-129-9150

14. One-Touch Drain Valves



Replacing the conventional drain plug with a one-touch drain valve, you can change oil safely and with your hands kept clean by a simple operation to turn a lever. A hose can be connected. The valve does not open, since it is locked by a strengthened spring.

Parts No.	Thread pitch (A)	Drain hole dia (B)
6204-21-5680	22 x 1.5	9.0 mm
6732-21-5610	22 x 1.5	12.5 mm
6150-23-5610	24 x 1.5	12.5 mm

Tools

This section is designed to introduce the service equipment and tools necessary for conducting such operations on Komatsu construction equipment as diagnosis, maintenance and repair.

1. Power Wrenches



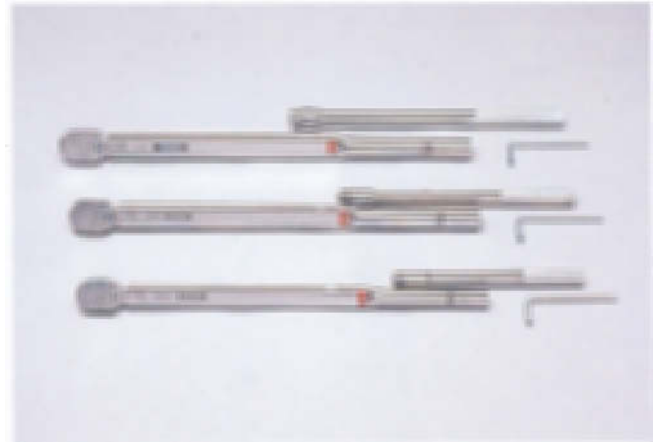
These are used when tightening such parts as mounting nuts for the pistons of hydraulic cylinders, which require a large tightening torque.

When tightening parts with a large tightening torque, a large output torque can be obtained with a small input torque.

Planetary type reduction gears offer compact sizes. These multipliers are supplied in steel cases with their adapters for easy transportation. They are indispensable for the servicing of large machines.

Max. working torque (kgm)	Reduction ratio	Weight (kg)	Part No.
150	1:4.8	8.6	790-102-1000
450	1:16	17.5	790-102-1100
1200	1:43	67.8	790-102-1200

2. Torque Wrenches



With these torque wrenches, it is possible to set the tightening torque, so it is easy to tighten parts accurately to the specified torque.

Range (kgm)	Part No.
10 to 55	79A-215-0340
10 to 75	79A-215-0350
10 to 100	79A-215-0360
20 to 140	79A-215-0370

3. Open End Wrenches



Set Part No. 09000-30006

The wrenches in this set are also available as individual parts.

Size (mm)	Part No.	Size (mm)	Part No.
8 x 10	09002-00810	19 x 22	09002-01922
12 x 14	09002-01214	24 x 27	09002-02427
13 x 17	09002-01317	30 x 32	09002-03032

4. Wrenches



Compared to open end wrenches, these wrenches grip all six sides, so there is little problem of the wrench slipping from the nut or bolt head.

Size (mm)	Part No.
8 x 10	09011-00810
10 x 12	09011-01012
11 x 13	09011-01113
12 x 14	09011-01214
14 x 17	09011-01417
17 x 19	09011-01719
19 x 22	09011-01922
22 x 24	09011-02224
24 x 27	09011-02427

5. Adjustable Wrenches



Use in miscellaneous applications.

Max jaw	Part No.
Size (mm)	09014-10200
29	09014-10250
34	09014-10300

6. Hollow Head Screw Wrenches



Use these wrenches to remove and install hollow head screws.

B (mm)	Part No.	B (mm)	Part No.
3	09007-00320	10	09007-01040
4	09007-00425	12	09007-01245
5	09007-00528	14	09007-01455
6	09007-00632	17	09007-01760
8	09007-00836	19	09007-01970

7. Socket Wrench Sets



The types of socket wrenches shown in the table below are available, and they are categorized according to the model. They are also available as individual parts.

Crawler type tractors [Operating Weight] (t)	Hydraulic excavators [Operating Weight] (t)	Others	Set Part No.
12 to 50	-	All models	09020-10282
50 up	30 up	-	09020-10284
up to 12	up to 30	-	09020-10285
-	-	All models	09020-10286

Part No. 09020-10282

Description (mm)	Part No.
Socket (10)	09021-01016
Socket (13)	09021-01319
Socket (14)	09021-01422
Socket (17)	09021-01725
Socket (19)	09021-01928
Socket (22)	09021-02233
Socket (24)	09021-02436
Socket (27)	09021-02739
Socket (30)	09021-03044
Socket (32)	09021-03246
Extension (150)	09022-00150
Extension (200)	09022-00250
Handle	09023-00300
Handle	09024-00300
Universal joint	09025-00075
Handle	09026-00250
Bar	09027-00300

Part No. 09020-10284

Description (mm)	Part No.
Socket (10)	09021-01016
Socket (13)	09021-01319
Socket (14)	09021-01422
Socket (17)	09021-01725
Socket (19)	09021-01928
Socket (22)	09021-02233
Socket (24)	09021-02436
Socket (27)	09021-02739
Socket (30)	09021-03044
Socket (32)	09021-03246
Socket (36)	09021-03635
Extension (150)	09022-00150
Extension (250)	09022-00250
Handle	09023-00300
Handle	09024-00300
Universal joint	09025-00075
Handle	09026-00250
Bar	09027-00300

Part No. 09020-10285

Description (mm)	Part No.
Socket (10)	09021-01016
Socket (13)	09021-01319
Socket (14)	09021-01422
Socket (17)	09021-01725
Socket (19)	09021-01928
Socket (22)	09021-02233
Socket (24)	09021-02436
Extension (150)	09022-00150
Handle	09023-00300
Universal joint	09025-00075
Handle	09026-00250
Bar	09027-00300

Part No. 09020-10286

Description (mm)	Part No.
Socket (10)	09021-01016
Socket (13)	09021-01319
Socket (14)	09021-01422
Socket (17)	09021-01725
Socket (19)	09021-01928
Socket (22)	09021-02233
Socket (24)	09021-02436
Extension (150)	09022-00150
Handle	09026-00250

8. Thickness Gauge



Gauge thickness (mm)
0.04
0.05
0.06
0.07
0.08
0.10
0.15
0.20
0.30

Part No. 09054-00009

This thickness gauge consists of a set of gauges of nine different thicknesses.

9. Screwdrivers



Slot-head type

Length (mm)	Part No.
75	09030-00075
150	09030-00150
250	09030-00250

Cross-head type

Length (mm)	Part No.
100	09031-00100
150	09031-00150

A screwdriver is available with interchangeable heads to provide screwdriver bits for both slot-head and cross-head screws.

Part No. 09033-00190

10. Tire Charge Hoses



These tire charge hoses are used for inflating tires.

There are two types available: Standard size and large size.

Std. size

Length (mm)	Part No.
3000	09288-00003
5053	09288-00005
8546	09288-00008
9400	09288-00009
11053	09288-20011

Large size

Length (mm)	Part No.
5192	09288-10005
11192	09288-10011

11. Tire Gauges



Part No. 09289-00000
(For std. tires)



Part No. 09289-10000
(For large tires)

These tire gauges are used to measure the tire inflation pressure. Between 1 and 4 kg/cm², the tire gauge is marked in units of 0.2 kg/cm², and between 4 and 10 kg/cm², it is marked in units of 0.5 kg/cm².

12. Hydraulic Jacks



Part No. 232-901-3112
(Capacity: 10 ton)



Part No. 566-98-11510
(Capacity: 50 ton)

• Hydraulic type

Because of the safety circuit in the hydraulic circuit, even if the high pressure hose or coupler should break, or even if there should be any misoperation, safety is ensured by stopping the return of oil to prevent any sudden drop in pressure.

Part No. 790-600-2501
(Stroke: 153mm)

Part No. 790-600-2700
(Stroke: 370mm)

13. Hand Grease Gun

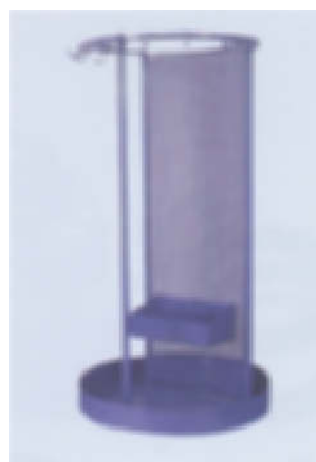


This is used for greasing the work equipment and other parts.

It uses lithium-base grease.

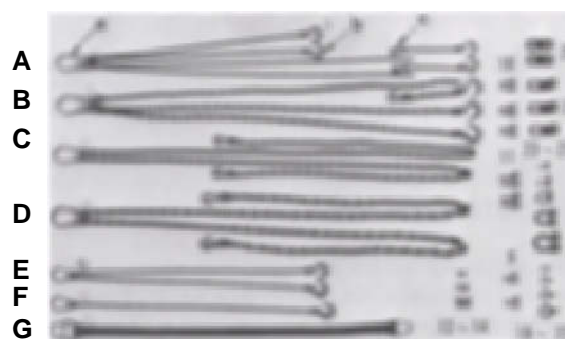
Description	Part No.
Pump ass'y	07952-80002
Hose nozzle	07951-11400

14. Sling Chains



**Sling chain KIT Part No.
790-402-1000**

These sling chains have 10 to 20 times the durability of wire rope.



Sling chain part number columns

No.	Tool description	Part No.	Q'ty	Specifications	Remarks
1	Sling cart	790-402-1100	1	—	
2	Sling A	790-402-1200	1	Max. working load 2.5 ton	3-sling lifting
3	Sling B	790-402-1300	1	Max. working load 5.0 ton	
4	Sling C	790-402-1400	1	Max. working load 3.4 ton	
5	Sling D	790-402-1500	1	Max. working load 5.2 ton	
6	Sling E	790-402-1600	1	Max. working load 1.7 ton	
7	Sling F	790-402-1700	1	Max. working load 1.0 ton	
8	Sling G	790-103-1400	1	Max. working load 1.0 ton	Nylon sling
9	Clamp	790-402-2110	2	For 1 ton sling chain (φ 6.3 mm)	With pin
10	Clamp	790-402-2120	2	For 2 ton sling chain (φ 9.5 mm)	With pin
11	Clamp	790-402-2130	2	For 3 ton sling chain (φ 11.1 mm)	With pin
12	Joint	790-402-2210	1	For 1 ton sling chain (φ 6.3 mm)	With pin
13	Joint	790-402-2220	1	For 2 ton sling chain (φ 9.5 mm)	With pin
14	Joint	790-402-2230	1	For 3 ton sling chain (φ 11.1 mm)	With pin
15	Pin	790-402-2310	18	For 1 ton sling chain (φ 6.3 mm)	With snap ring
16	Pin	790-402-2320	13	For 2 ton sling chain (φ 9.5 mm)	With snap ring
17	Pin	790-402-2330	4	For 3 ton sling chain (φ 11.1 mm)	With snap ring
18	Eyebolt	04530-01222	4	Permissible load 220 kg M12, P1.75	
19	Eyebolt	04530-01628	4	Permissible load 450 kg M16, P2.0	
20	Eyebolt	04530-02030	4	Permissible load 630 kg M20, P2.5	
21	Eyebolt	04530-02438	4	Permissible load 950 kg M24, P3.0	
22	Eyebolt	04530-03045	4	Permissible load 1,500 kg M30, P3.0	
23	Shackle	790-401-1510	4	Permissible load 600 kg	
24	Shackle	790-103-1520	4	Permissible load 1,200 kg	
25	Shackle	790-401-1530	4	Permissible load 1,500 kg	
26	Shackle	790-401-1540	3	Permissible load 2,000 kg	
27	Shackle	790-401-1550	2	Permissible load 3,000 kg	
28	Plate	790-401-1420	4	Permissible load 100 kg	
29	Plate	790-401-1430	4	Permissible load 2,000 kg	

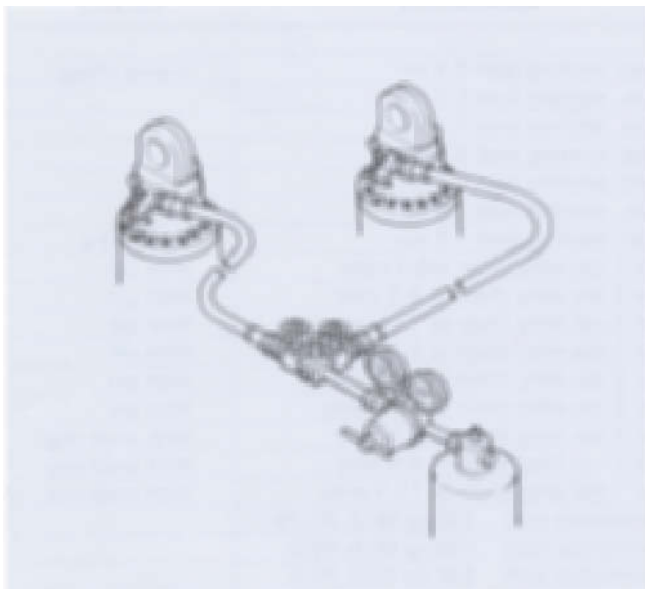
15. Nitrogen Gas Chargers



Part No. 792-610-1700 (For Hydraulic Excavators)

These tools are designed for nitrogen gas charging for the suspension cylinders on dump trucks and motor scrapers and the accumulators on hydraulic excavators.

Example of use



This shows the gas charging of a dump truck suspension.



**Part No. 792-610-1200
(For Dump Trucks)**

16. Battery Coolant Tester



Part No. 795-500-1001

This tester can be used for checking battery electrolyte condition and coolant freezing point.

17. Tool Groups



(For WA250-1 Wheel Loader)

No.	Description	Part No.	Q'ty
1	Wrench set	09000-30006	1
2	Socket wrench set	09020-10284	1
3	Screw driver	09033-00190	1
4	Pliers	09036-00150	1
5	Wrench	09001-03600	1
6	Wrench	09014-10200	1
7	Filter wrench	09019-08035	1
8	Bar	417-98-11110	1
9	Tube	424-98-11120	1
10	Tire gauge	09289-00000	1
11	Grease pump ass'y	07952-80002	1
11	Pump	07950-10450	1
12	Nozzle	07951-21045	1
13	Grease cartridge	07950-90403	1
14	Bill box	09989-03046	1
15	Tool bag	09056-05513	1
16	Thickness gauge	09054-00009	1
17	Hydrometer	08690-00265	1



(For HD325-6 Dump Truck)

No.	Description	Part No.	Q'ty
1	Wrench set	09000-30006	1
2	Socket wrench	195-98-11590	1
3	Wrench	09014-10200	1
4	Filter wrench	09019-18040	1
5	Socket wrench set	09020-10284	1
6	Handle	09023-00380	1
7	Screwdriver	09033-00190	1
8	Pliers	09036-00150	1
9	Hammer	09039-00150	1
10	Thickness gauge	09054-00009	1
11	Bar	09055-10390	1
12	Tool bag	09056-05513	1
13	Grease pump ass'y	07952-80002	1
14	Nozzle	07951-11400	1
15	Cartridge	07950-90403	1
16	Hose	568-35-11210	1
17	Disc gauge ass'y	567-98-41301	1
18	Gauge	566-98-41410	1
19	Extension	566-98-11170	1

The content of the tool group differs according to the machine model.
For details of other models, see the Parts Book.

18. Connector Repair KIT



Part No. 790-222-2001

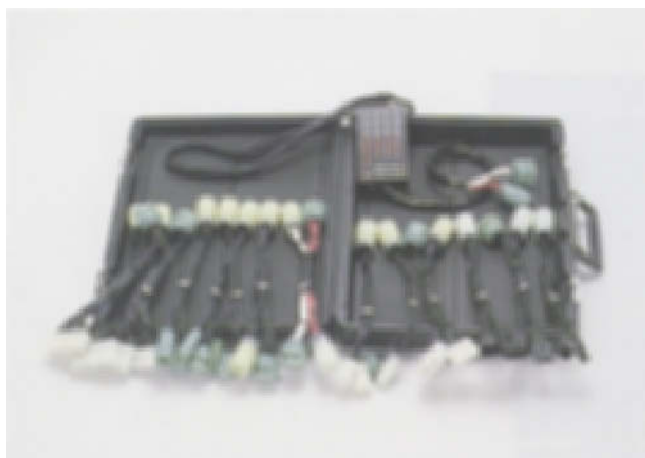
- Komatsu products use innovative electronic technology, and many electronic devices and wiring harness connections are installed on them. This KIT provides all kinds of connectors and terminals used on all Komatsu products.
- All connectors are available in a case in sets for each type, and special tools are provided, so repairs can be carried out easily.

• Contents of connector repair KIT

KIT Part No. Individually	790-222-2000	790-222-2001
	KIT 1 790-222-2100	○
KIT 2 790-222-2800	○	○
KIT 3 790-222-3100	○	○
KIT 4 790-222-2200	○	○
KIT 5 790-222-3000	○	○
KIT 6 790-222-2600	○	○
KIT 7 790-222-3200	○	○
KIT 8 790-222-3300	×	○

Optional: 790-299-1100 Carrying case

19. Mechatro-Harness Checker



Part No. 799-601-2500

- The wiring harnesses used on recent Komatsu products have many terminals, so it is difficult and time-consuming to identify the correct pin positions. This checker enables easy and speedy testing of the wiring harness.
- The checker has 21 numbered terminals for multimeter test leads, and the numbers show the corresponding terminal, so troubleshooting of electronic circuits is simple and accurate.

- 1) MIC type connectors : 5, 13, 17 and 21 poles
- 2) ECONO type connectors : 2, 3, 4, 8 and 12 poles
- 3) DL1 type connectors : 8, 12 and 16 poles

20. Digital Multimeter



Part No. 79A-264-0210

- This multimeter has a safe design to prevent any danger.
- Voltage and resistance are measured by the automatic range setting, so measurement is simple. Manual range is also available.
- It has a display hold function, so it is convenient for use in places where it is difficult to take a reading.

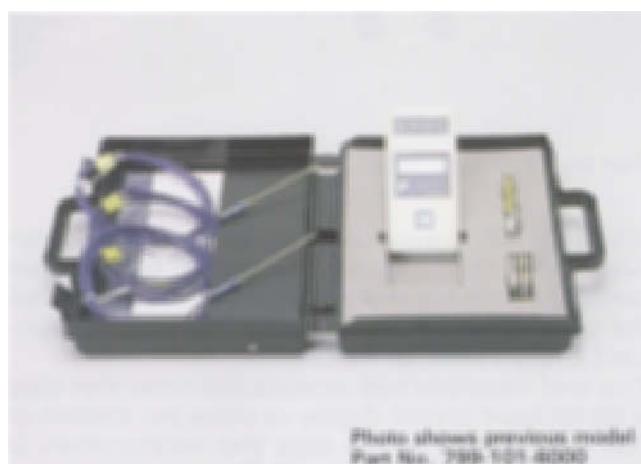
21. Multi-Tachometer



Part No. 799-203-8001

- Various types of pick-ups make it possible to measure rotating speeds, such as the speeds of any type of engine, cooling fan and drive shaft.
- Photo-electric pick-up makes it possible to measure engine speed without directly touching the engine. Injection line pick-up, 799-203-8900 is also available as an option.
- The liquid crystal digital display has a HOLD function, so it is convenient for use in places where it is difficult to take a reading.

22. Digital Thermometer



Part No. 799-101-1500

- This meter is digital, so it is much easier to read than a conventional analog type.
- A wide range, from -50°C to 1200°C, can be measured.
- You can read the temperature at four places at the same time, by changing the channel, on the liquid crystal digital display.

23. Fuel Consumption Meter



Part No. 790-829-1030

“FUEL METER” is a computerized handy fuel consumption checker that can easily measure fuel consumption during travel for any engine from the large engines used for construction equipment down to the small compact engines used on motorbikes. This is an electronic fuel consumption meter that uses a digital liquid crystal display to show the amount of fuel consumed from the time that measurement is started to the time it is stopped. The meter also calculates and displays the momentarily changing fuel consumption ratio every second and the average fuel consumption during the time of measurement. It also prints out the measurement data and the time that has elapsed from the time that measurement is started to the time it is stopped. Furthermore, after completion of measurements, if the distance traveled by the machine being tested is input using the ten-key pad, the average travel speed and the distance traveled per liter are calculated and output. “FUEL METER” has the following features:

1. It can measure the fuel consumption during actual operation easily.
2. It is a compact, lightweight handy type, so it can be carried anywhere.
3. It provides high accuracy with computerized measurement and calculation.
4. On diesel engines, where the amount of returning fuel is high, the computer subtracts the amount of returning fuel when measuring.
5. The computer also calculates the fuel consumption in ltr/hour or km/ltr, and the speed in km/hour.
6. It can print out the results of the measurement.
7. It is an interactive type, so operation is easy, and it also has a self-diagnostic function.
8. It can run off power taken from the cigarette lighter in the operator's compartment [16 to 24V]. It can also measure using the power from built-in batteries.

24. Automatic Transmission Shift Checker



Part No. 799-605-1001

- It is easy to operate and makes it possible to carry out troubleshooting of the electronic system on the automatic transmission of all Komatsu dump trucks and motor scrapers.
- The built-in simulation signal generator circuit makes it possible to check the shift controller without starting the engine on the machine, so troubleshooting can be carried out in safety.
- The transmission input and output shaft speeds are indicated on a digital display and the input and output signals of the shift controller are also monitored.
- When the shift controller is out of order, you can operate the vehicle using this checker as a prolix device.

25. Compression Gauge KIT



Part No. 795-502-1205

- This KIT provides the adapters to measure the compression of all engines mounted on Komatsu products, including CUMMINS engines such as 743 series (NH220, NT06), 855 series and KT1150.

26. Coolant Analyzer



Part No. 799-202-7002

- The design concept of this analyzer was to produce a portable analyzer at a low price to enable testing to be carried out that was formerly done only in a laboratory.
- We selected the most representative three testing items, electric conductivity, PH and nitrous acid ion density.

27. Hydraulic Flowmeter KIT



Part No. 790-303-1003

- This KIT makes it possible to test the performance of the hydraulic equipment (mainly the hydraulic pump) by connecting the flowmeter into the hydraulic piping.
- This meter indicates the oil flow, oil pressure and oil temperature at the same time.
- Adapters are available to allow checking of the performance of the hydraulic pumps on all Komatsu models.

28. Analog Hydraulic Tester



Part No. 799-101-5002

- This tester is used to measure the oil and fuel pressures in the troubleshooting of the components listed below.

1. Work equipment
2. Steering system
3. Torque converter
4. Torqflow transmission
5. Main clutch
6. Engine

Ranges of pressure gauges	25 kg/cm ² 60 kg/cm ² 400 kg/cm ² 600 kg/cm ²
Pressure hose	1600 mm long 5 hoses with quick coupler

- Various adapters (mounted to the hydraulic port) are available for taking the oil pressure necessary for the measurement.
- The glycerin sealing method is adopted to increase the gauge durability and prevent damage and fluctuating of the indicator.
- The gauge has a rubber cover for protection.
- A quick coupler is used for connection with the gauge, hose and adapter for easier handling.

30. Battery Checker



Part No. 799-203-4000

- The built-in computer provides lamp signals for immediate judgment of the condition and remaining life of the battery.
- You can show the result to customers very easily. You can use this as a tool for promotion of battery sales.

29. Pressure Test KIT



Part No. 799-401-2300

Ranges of pressure gauges	0 to 50 kg/cm ² 0 to 20 kg/cm ² 0 to 500 mmH ₂ O -1000 to 0 mmH ₂ O
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- The pressures (such as lubricating, intake air resistance, air intake and engine blow-by, torque converter and steering pressures) in the engine and power train are related to each other. Thus, for high reliability of data and easy diagnosis, it is better to make simultaneous measurements rather than individual measurements.
- Various adapters are available to allow installation on Komatsu machines.
- The long tube or tube connections make it possible to measure the pressures safely from the operator seat while operating the machine.
- This KIT is enclosed in a case for ease of carrying.

31. Lubricator KIT (For E-series undercarriage)



Part No. 790-434-2700E

(Optional parts are included in the above photograph.)

- This device has been designed to overcome the inconvenience of the oil filling device use for D31 up to D355 E-series undercarriage spare parts.
- It has been designed for rapid field application for the following reasons.

It does not need:

- electric power supply
- compressed air supply
- special equipment
- workshop and skilled operators.

It is advantageous because:

- it is not expensive
- it is easy to use.

It is useful to:

- distributors and dealers
- service shops
- end users (tractor operators).

It is used when it is necessary to

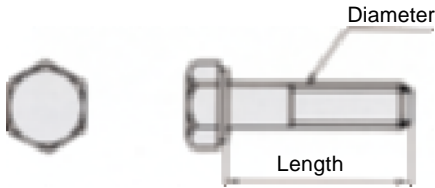
- 1) introduce lubricant into joints
- 2) check if lubricant is still present in the joints of worn links
- 3) lubricate a reconditioned SALT link
- 4) refill oil in rollers.

Hardware

High quality ensured at a reasonable price.

We introduce here Komatsu genuine hardware with its excellent reliability. Komatsu hardware consists of a wide variety of parts produced under strict quality control checks.

1. Bolts



Be sure to specify Komatsu genuine parts

Hardware		Available size		Tensile strength (kg/mm ²)	Hardness (Rockwell C)	Use
		Diameter	Length			
	Metric Bolt (Course Thread)	6 - 36 mm	10 - 190 mm	Over 105	32 to 38	Used in almost any place. These bolts are highly versatile.
	Metric Bolt (Fine Thread)	10 - 22 mm	12 - 190 mm	Over 105	32 to 38	Used in almost any place. These bolts are highly versatile. (Not used on outside)
	Unified Bolt (Course Thread)	1/4" - 1/2"	1/2" - 7"	Over 105	32 to 38	Used almost everywhere that unified bolts are used.
	Unified Bolt (Fine Thread)	1/4" - 5/8"	1/2" - 7"	Over 105	32 to 38	Used almost everywhere that unified bolts are used.
	Split Flange Bolt	10 - 16 mm	30 - 65 mm	Over 105	32 to 38	"Used mainly for tightening split flanges. Used also in other places where it is difficult to tighten with general bolts (places such as universal joints, etc.)."
	Hollow Head Bolt	6 - 24 mm	10 - 150 mm	Over 110	34 to 44	Used where space is limited.

2. Nuts



Hardware		Available size	Proof load strain (kg/mm ²)	Hardness (Rockwell C)	Use
		Diameter			
	Metric Nut (Course Thread)	2 - 52 mm	100	36	Used in almost any place. These bolts are highly versatile.
	Metric Nut (Fine Thread)	10 - 24 mm	100	36	Used for special purposes, such as fan nuts. Not used as a locknut.
	Self-locking Nut (Course Thread)	6 - 24 mm	-	-	Used where there are problems because the tightening torque of general nuts is too high, and where the return torque function is necessary. Spring washers are not needed.
	Self-locking Nut (Fine Thread)	10 - 24 mm	-	-	Used mainly for tightening split flanges. Used also in other places where it is difficult to tighten with general bolts (places such as universal joints, etc.).
	Flange Nut	6 - 12 mm	100	Less than 36	Mainly for external use. Used without spring washers.
	Slotted Nut	6 - 52 mm	100	36	Used together with cotter pins to prevent loosening of the nut.

3. Nut and Bolt KIT



KIT Part No. 09941-00000

This kit consists of a case containing the nuts and bolts most frequently required during the field servicing because they tend to come loose and fall out of place due to vibration. Such a kit is extremely convenient as bolts are available at once in an emergency. This Nut & Bolt Kit ensures prompt, positive repair, minimum downtime, and resultant high reliability of our products for users.

No.	Description	Part No.	Q'ty	Application
1	Nut & Bolt Kit	09941-00000	1	
2	Bolt	01010-30820	10	For tightening electrical components (These are contained in the same box).
3	Bolt	01010-30825	10	
4	Bolt	01010-30830	10	
5	Bolt	01010-30835	10	
6	Bolt	01010-31020	10	
7	Bolt	01010-31025	10	For tightening outer fittings (There are contained in the same box).
8	Bolt	01010-31030	20	
9	Bolt	01010-31035	20	
10	Bolt	01010-31220	5	For tightening outer fittings (There are contained in the same box).
11	Bolt	01010-31225	10	
12	Bolt	01010-31230	10	
13	Bolt	01010-31240	5	
14	Bolt	01010-31430	2	For tightening outer fittings (There are contained in the same box).
15	Bolt	01010-31435	2	
16	Bolt	01010-31440	2	
17	Bolt	01010-31640	2	For hydraulic hoses, split flange etc. (There are contained in the same box).
18	Bolt	07372-00830	10	
19	Bolt	07372-01030	10	
20	Bolt	07372-01235	10	
21	Bolt	07372-01240	10	
22	Nut	01580-00806	20	
23	Nut	01580-01008	15	
24	Nut	01580-01210	15	
25	Nut	01580-01411	5	
26	Nut	01580-01613	3	
27	Washer, flat	01643-30823	15	
28	Washer, flat	01643-31032	20	
29	Washer, flat	01643-31232	20	
30	Washer, flat	01643-31445	10	
31	Washer, flat	01643-31645	5	
32	Washer, spring	01602-00825	20	
33	Washer, spring	01602-01030	25	
34	Washer, spring	01602-01236	30	
35	Washer, spring	01602-01442	10	
36	Washer, spring	01602-01648	5	
37	Case	09941-00090	1	

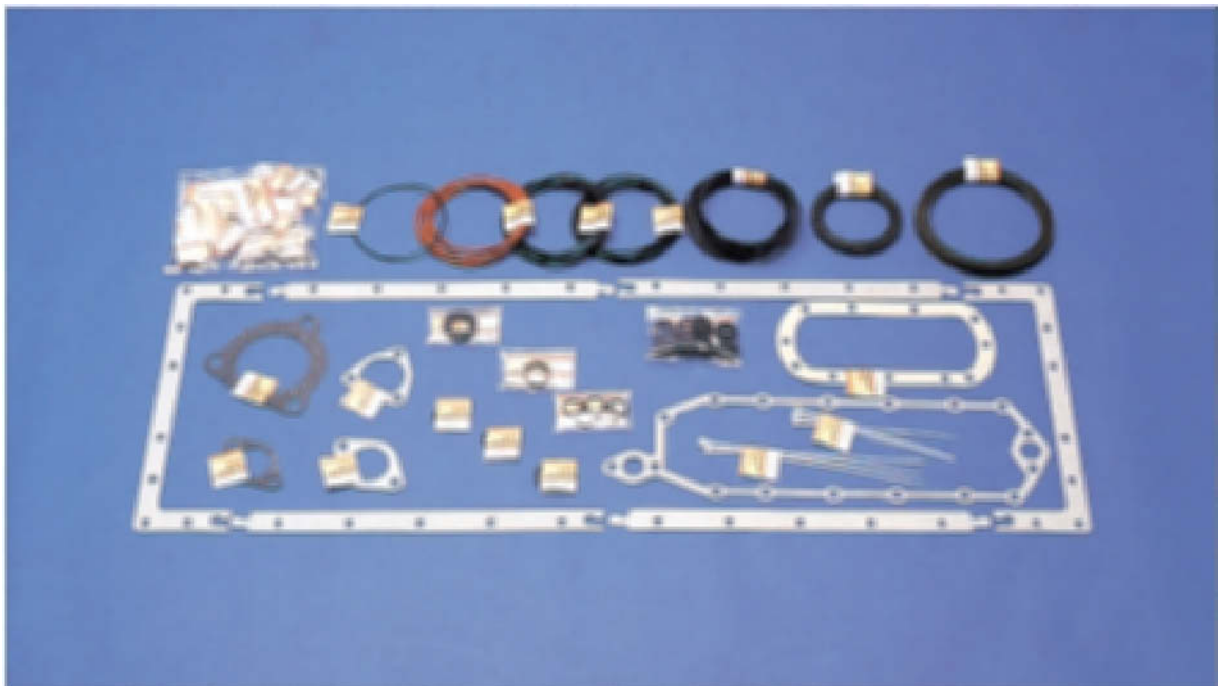


Engine Maintenance Parts

1. Gasket KIT



For cylinder head



For cylinder block

This kit includes the O-rings, seals, and gaskets needed when repairing the cylinder head and block.

2. Short Blocks



Features

- All assemblies contain crankshaft with gear, cylinder block, oil cooler, pistons, liners, connecting rods, piston rings and bearings.
- Standard new parts warranty is 6 months, from date of purchase by initial user.
- Special packaging film is used which insures cleanness during shipping.

Customer's benefits

- Reduce repair time and machine down time for engine overhauls.
- Wide product coverage reduces inventory requirements.
- Cost effective. Assembly is less expensive than sum of the individual parts.
- Eliminate confusion due to improper parts.

Applications

- Use whenever engine assembly must be removed for internal component damages on the following models.

Engine model	Machine model	Short block Part No.	Serial Number		
6D95L-1	D31-18	6206-SE-0020			
	D31-20	6206-SE-0020			
	D37-2	6206-SE-0020			
	D37-5	6206-SE-0020			
	GD313A-1	6206-SE-0010			
	PC100-1	6206-SE-0010			
	PC100-3	6206-SE-0010			
	PC120-1	6206-SE-0010			
	PC120-3	6206-SE-0010			
	PW150-1	6206-SE-0010			
	WA100-1	6206-SE-0010			
	WA120-1	6206-SE-0010			
	S6D95L-1	GD510R-1		6207-SE-0010	
GD511		6207-SE-0010			
PC150-3		6207-SE-0010			
PC150-5		6207-SE-0030			
PC180LC-3		6207-SE-0010			
PC200-5		6207-SE-0020			
PC220-6		6207-SE-0020			
PC250-6		6207-SE-0020			
PW100-3		6207-SE-0010			
WA150-1		6207-SE-0010			
WA180-1		6207-SE-0010			
SA6D95L-1	PC220LC-5	6207-SE-0020			
S6D105-1	PC200-3	613D-SE-0010			
	PC220-3	613D-SE-0010			
	PC220-2	613D-SE-0010			
	PC240-3	613D-SE-0010			
	WA320-1	613D-SE-0020			
SA6D108-1	PC300LC-5	6222-SE-0010			
	PC500LC	6222-SE-0010			
SAA6D108E	PC300-6	6223-SE-0010			
SA6D110	WA420-1	613E-SE-0010			
6D125-1	D50A-17	6150-SE-0010			
	D50P-17	6150-SE-0010			
	D53-17	6150-SE-0010			
	D58E-1	6150-SE-0010			
	D58P-1	6150-SE-0010			
	D60A-8	6150-SE-0010			
	D60E-8	6150-SE-0010			
	D60F-8	6151-SE-0020			
	D60P-8	6150-SE-0010			
	D60S-8	6150-SE-0010			
	D63E-1	6150-SE-0010			
	D65-8	6150-SE-0010			
	D68-1	6150-SE-0010			
	D70LE-8	6150-SE-0010			
	GD605A-3	6150-SE-0010			
	GD605R-3	6150-SE-0010			
	GD623A-1	6150-SE-0010			
	GD625A-1	6150-SE-0010			
	GD655A-3	6150-SE-0010			
	S6D125-1	D75A-1		6151-SE-0020	-23598
		D75S-5		6151-SE-0010	
D83E-1		6151-SE-0020			
D83P-1		6151-SE-0020			
D85A-18		6151-SE-0020			
D85A-21		6151-SE-0020			
D85E-SS		6151-SE-0020			
GD705A-4		6151-SE-0010			

Engine model	Machine model	Short block Part No.	Serial Number
S6D125-1	GD705A-4	6151-SE-0020	23599- -23688 23689-
	GD725A-1	6151-SE-0020	
	HA250-1	6151-SE-0010	
	HD205-3	6151-SE-0010	
	HS150S-8	6151-SE-0010	
	PC300-3	6151-SE-0020	
	PC360-3	6151-SE-0010	
	PC360-3	6151-SE-0020	
	PC400-3	6151-SE-0010	
	PC400-5	6151-SE-0010	
	PC400LC-5	6151-SE-0010	
	D85A-21B	6151-SE-0020	
	WA450-1	6151-SE-0010	
	WA470-1	6151-SE-0010	
	S6D125E	D65EX-12	
SA6D125-1	D85A-18	6151-SE-0020	
	D135A-1	6151-SE-0010	
S6D140-1	D135A-2	6211-SE-0010	
	D155AX-3	6211-SE-0010	
	GD825A-1	6211-SE-0010	
	GD825A-2	6211-SE-0010	
	WA500-1	6211-SE-0010	
	WS16-3	6211-SE-0010	
	WS23-2	6211-SE-0010	
SA6D140-1	D155A-3	6211-SE-0020	
	HD325-5	6212-SE-0030	
	HD325-6*	6212-SE-0030	
	PC1600-1	6212-SE-0030	
	PC650-3	6212-SE-0030	
	PC650-5	6212-SE-0030	
	WS23S-2	6212-SE-0030	
S6D155-4	D150A-1	6127-SE-0010	
	D155A-1	6127-SE-0010	
	D155A-2	6127-SE-0010	
	D155AR-1	6127-SE-0010	
	D155C-1	6127-SE-0010	
	D155S-1	6127-SE-0010	
	D155W-1	6127-SE-0010	
D355C-3	6128-SE-0010		
SA6D155-4	D355A-3	6128-SE-0010	
	D355A-5	6128-SE-0010	
S6D170-1	WA600-1	6162-SE-0030	
SA6D170-1	D375A-1	6162-SE-0010	
	D375A-2	6162-SE-0010	
	EG550	6162-SE-0020	
	HD465-3	6162-SE-0040	
	PC1000-1	6162-SE-0010	
	WA700-1	6162-SE-0020	
SA8V170-1	D475A-1	6164-SE-0010	
	HD785-2	6164-SE-0010	
	WA800-1	6164-SE-0010	
SA12V140-1	D475A-2	6215-SE-0010	
	HD785-3	6215-SE-0010	
	WA800-2	6215-SE-0010	

Note *: HD325-6 chassis No. 5001-5484

3. Rain Caps



This prevents rain from entering the exhaust pipe.

Bulldozers

Machine model	Engine model	Part No.
D40/D41-3	6D105	6131-11-5950
D50/53-17	6D125	6711-11-5781
D58-1	6D125	6711-11-5781
D75A-1	S6D125	6711-11-5781
D85E-SS-2A	S6D125	6711-11-5781
D85-21	S6D125/S6D125E	6150-11-5770
D135A-2	S6D140	6150-11-5770
D155A-2	S6D155	6128-11-5051
	SA6D140E	6150-11-5771
D155-3	SA6D140	6150-11-5771
D155AX-5	SA6D140E	6150-11-5771
D155C-1	S6D155	6128-11-5070
D275A-2	S6D170/S6D170E	6162-11-5640
D355A-3	SA6D155	6128-11-5071
D355C-3	S6D155	6128-11-5071
D375A-2	SA6D170	6164-12-5900
D375A-3	SA6D170E	6162-14-5640
D475A-2	SA12V140	6128-11-5050
D475A-3	SD12V140	6128-11-5051
D475-3 SD	SD12V140	6128-11-5051
D575A-2	SA12V170	6166-11-9500
D575A-2 SD	SA12V170	6166-11-9500

Hydraulic excavators

Machine model	Engine model	Part No.
PC100-6	S4D102E	6134-11-5620
PC120/PC130-6	S4D102E	6134-11-5620
PC650-5	SA6D140	6164-12-5900
PC710-5	SA6D140	6164-12-5900
PC750/PC800-6	SAA6D140E	6164-12-5900
PC1000-1	SA6D170	6162-13-5250
PC1100-6	SAA6D170E	6162-14-5640
PC1600-1	SA6D140	6164-12-5900

Wheel loaders

Machine model	Engine model	Part No.
WA250-1	S6D105	6150-11-5770
WA320-1	S6D105	6150-11-5770

Motor graders

Machine model	Engine model	Part No.
GD521A-1	S6D105	6711-11-5781
GD725A-1	S6D125	6711-11-5781

4. Exhaust Pipes



The exhaust system is designed so that the operator will not be affected by exhaust gas or smoke, or noise. There are two types of exhaust pipe on wheel loaders: one type with glass wool, and other type without glass wool.

Bulldozers

Remarks *1: High-altitude spec. *2: For rain cap

Machine model	Engine model	Part No.
D20/D21-7	4D95S/4D94E	6202-12-5761
D31-20	6D95L	6206-11-5740
D31-20*1	6D95L	6134-12-5810
D31-20	S4D102E	6732-11-5730
D37-5	6D95L	6206-11-5740
D37-5*1	6D95L	6134-12-5810
D37-5	S4D102E	6732-11-5730
D40/D41-3	6D105	6136-11-5740
D40/D41-3*1	6D105	6115-11-5410
D41-6	S6D102E	124-01-51360
D41-6*2	S6D102E	124-01-51370
D50/D53-17	6D125	6691-11-5531
D50/D53-17*1	6D125	6631-11-5770
D50/D53-17*2	6D125/6D125E	6693-13-5730
D57S-1	S6D108	6691-11-5531
D58-1	6D125/6D125E	6151-11-5590
D58-1*2	6D125	6693-11-5730
D61EX, PX-12	S6D114E	124-01-51360
D65E-12	6D125	6150-11-5460
D65EX, P, PX-12	S6D125/S6D125E	6150-11-5460
D65E-12*2	6D125/6D125E	6150-11-5460
D66S-1	SA6D110	6138-11-5610
D75A-1	S6D125	6150-11-5650
D75S-5	S6D125/S6D125E	6151-11-5550
D85E-SS-2A	S6D125	6150-11-5460
D85-21	S6D125	6151-11-5761
D85-21	S6D125E	6150-11-5761
D135A-2	S6D140	6211-11-5950
D155A-2	S6D155	6127-11-5380
	SA6D140E	6211-12-5970
D155-3	S6D140/SA6D140E	6211-12-5920
D155AX-5	SA6D140E	6211-12-5920
D155C-1	S6D155	6127-11-5425
D275A-2	S6D170/S6D170E	6162-14-5620
D355A-3	SA6D155	6128-11-5571
D355C-3	S6D155	6128-11-5425
D375A-2	SA6D170	6162-13-5220

Bulldozers

Remarks *1: High-altitude spec. *2: For rain cap

Machine model	Engine model	Part No.
D375A-3	SA6D170E	6162-13-5220
D475A-2	SA12V140	6215-11-5410
D475A-3	SD12V140	6215-11-5460
D475A-3 SD	SD12V140	6215-11-5460
D575A-2	SA12V170	6166-11-9850
D575A-2 SD	SA12V170	6166-11-9850

Hydraulic excavators

Remarks *1: For rain cap

Machine model	Engine model	Part No.
PC05-6F	KH80463	20M-02-R1001
PC05-7	3D72	20M-02-71111
PC05-7	3D68E	20M-02-71114
PC10-6F	KH80463	20M-02-R1001
PC10-7	3D78	20N-01-71122
PC10-7	3D74E	20N-01-71126
PC12R-8	3D68E	20M-02-81112
PC15-3	3D84	20P-01-71121
PC15-3	3D82E	20N-01-71122
PC15R-8	3D68E	20M-02-81112
PC20-6F	3D84	20R-01-R3111
PC20-7	3D84	20P-01-71121
PC20-7	3D82E	20P-01-71122
PC20R-8	3D74E	20N-01-81253
PC25-1	3D84/3D84E	20S-01-71251
PC25R-8	3D82E	20P-01-81255
PC27R-8	3D82E	20P-01-81255
PC30-6F	3D84	20S-01-R3021
PC30-7	3D84/3D84E	20S-01-71251
PC30R-8	3D84E	20S-01-81251
PC35R-8	3D84E	20S-01-81250
PC40-6F	4D84	20T-01-R036001
PC40-7	4D84/4D84E	20S-01-71251
PC40R-8	4D84E	20T-01-87510
PC45-1	4D84/4D84E	20T-01-71510
PC45R-8	4D84E	20T-01-81510
PC100-6*1	S4D102E	203-01-61331
PC120/PC130-6*1	S4D102E	203-01-61331
PC210-5K	1006-6T	20Y-01-18430
PC220/PC230-6	SA6D95L	6209-11-5710
PC240-5K	1006-6T	20Y-01-18430
PC300-5	SA6D108	207-01-52110
PC300-5K	SA6D108	207-01-52110
PC300/PC350-6	SAA6D108E	207-01-32111
PC400-5	S6D125	207-01-32111
PC400/PC450-6	SA6D140E	207-01-32111
PC600	N14-C420	21M-01-11180
PC650/PC710-5	SA6D140	6212-11-5562
PC750/PC800-6	SAA6D140E	6212-12-5560
PC1000-1	SA6D170	6162-13-5280
PC1000SP-1	SA6D170	6162-13-8740
PC1100-6	SAA6D170E	6162-13-5280
PC1600-1	SA6D140	6212-11-5562
PW30-1	3D84	21E-01-11172
PW100	S6D95L	6207-11-5720
PW150	6D95L	6206-11-5730
PW210	S6D105	205-01-73132

Dump trucks

Machine model	Engine model	Part No.
HA250-3	S6D125	BW22759
HA270-3	S6D125	BW22759
HD325-6	SA6D140	566-81-6A270
HD325-6	SAA6D140E	566-81-6A270
HD465-5	SA6D170	569-81-62150
HD465-5	SAA6D170E	569-81-62150
HD785-3	SA12V140	561-84-62441
HD785-5	SA12V140	561-84-62441

Trash compactors

Machine model	Engine model	Part No.
WF450T-1	S6D125	6151-11-5590
WF600T-1	S6D140	425-02-11110

Wheel loaders

Machine model	Engine model	Parts No.	
		With glass wool	Without glass wool
WA30-5	3D84E	-	362-02-41121
WA50-3	S3D84E	-	42A-02-21111
WA70-1	4D95L	-	415-02-11124
WA100-1	6D95L	417-02-11130	417-Z15-1130
WA120-1	6D95L	417-02-11130	417-Z15-1130
WA120-3	6D95L	417-02-21110	
WA120-3	S4D102E	416-02-21512	
WA180-1	S6D95L	417-02-11130	417-Z15-1130
WA180-3	S6D95L	417-02-21110	
WA180-3	S4D102E	417-02-21130	
WA250-1	S6D105	6151-11-5590	6138-11-5650
WA250-1H	S6D102	6151-11-5590	6138-11-5650
WA250-3	S6D95L	418-02-21110	
WA250-3	S6D102E	418-02-21211	
WA320-1	S6D105	6151-11-5590	6138-11-5650
WA320-3	S6D108	6151-11-4950	
WA320-3 Custom	SA6D102E	418-02-21211	
WA380-1	SA6D110	6151-11-5590	6138-11-5650
WA380-3	S6D108	6151-11-4950	
WA420-1	SA6D110	6151-11-5590	6138-11-5650
WA420-1H	SA6D114		6138-11-5650
WA420-3	SA6D108	6151-11-4950	
WA470-1	S6D125	6151-11-5590	6138-11-5650
WA470-3	S6D125	6151-11-4950	
WA500-1	S6D140	425-02-11110	425-02-12110
WA500-3	S6D140E	425-02-11111	
WA600-1	S6D170	426-02-11120	
WA600-3	SA6D170E	426-02-21110	
WA700-1	SA6D170	428-02-11120	
WA700-3	SAA6D170E	428-02-21110	
WA800-2	SA12V140	427-02-11121	
WA800-3	SA12V140	427-02-11121	
WA900-1	SA12V140	427-02-11121	
WA900-3	SA12V140	427-02-11121	

Engine maintenance parts

Motor graders

Remarks *1: For rain cap

Machine model	Engine model	Part No.
GD313A-1	6D95L	23E-54-14131
GD461A-1	S6D95L	6136-11-5740
GD510R-1	S6D95L	23A-54-16150
GD511A-1	S6D95L	23A-54-16150
GD511R-1	S6D95L	23A-54-16150
GD521A-1	S6D105	23B-54-23120
GD521A-1*1	S6D105	23B-54-21140
GD521R-1	S6D105	23B-54-23120
GD523A-1	S6D105	23B-54-23120
GD523R-1	S6D105	23B-54-23120
GD525A-1C	S6D105	6137-11-5840
GD611A-1	S6D105	23B-54-23120
GD611R-1	S6D105	23B-54-23120
GD621A-1	S6D105	23B-54-23120
GD621R-1	S6D105	23B-54-23120
GD623A-1	6D125	23B-54-15130
GD661A-1	6D125	23B-54-15130
GD625A-1C	6D125	6151-11-5590
GD705A-4	S6D125	6678-12-5730
GD725A-1	S6D125	6151-11-5590
GD725A-1*1	S6D125	6151-11-5690
GD825A-2	S6D140	6211-11-5910

Machine model	Engine model	Part No.
D65E-12	6D125/6D125E	6150-11-5320
D65E-12*1	6D125/6D125E	6151-11-8611
D65EX, P, PX-12	S6D125/S6D125E	6151-11-8611
D66S-1	SA6D110	6138-11-5530
D75A-1	S6D125	6151-11-5510
D75S-5	S6D125	6151-11-5510
D75S-5	S6D125E	6152-11-5570
D85E-SS-2A	S6D125	6151-11-8611
D85-21	S6D125/S6D125E	6152-11-5570
D135A-2	S6D140	6211-11-5530
D155A-2	S6D155	6127-11-5721
	SA6D140E	6211-12-5560
D155-3	SA6D140E	6211-12-5560
D155AX-5	SA6D140E	6211-12-5560
D155C-1	S6D155	6128-11-5562
D275A-2	S6D170/S6D170E	6162-13-8710
D355A-3	SA6D155	6128-11-5562
D355C-3	S6D155	6128-11-5811
D375A-2	SA6D170	6162-13-5602
D375A-3	SA6D170E	6162-13-7233
D475A-2	SA12V140	6215-11-5530
D475A-3	SD12V140	6215-11-5710
D475A-3 SD	SD12V140	6215-11-5710
D575A-2	SA12V170	6166-11-9811
D575A-2 SD	SA12V170	6166-11-9811

5. Mufflers



The muffler is a device to reduce the exhaust noise.

Bulldozers

Remarks *1: High altitude spec. *2: With rain cap

Machine model	Engine model	Part No.
D20/D21-7	4D95S	6202-12-5540
D20/D21-7	4D94E	YM129910-13500
D31-20	6D95L	6206-11-5230
D31-20*1	6D95L	6206-11-5280
D31-20	S4D102E	6732-11-5450
D37-5	6D95L	6206-11-5230
D37-5*1	6D95L	6206-11-5280
D37-5	S4D102E	6732-11-5450
D40/D41-3	6D105	6136-11-5561
D40/D41-3*1	6D105	6137-11-5411
D41-6	S6D102E	124-01-51330
D50/D53-17	6D125/6D125E	6150-11-5910
D50/D53-17*1	6D125	6151-11-5510
D57S-1	S6D108	6150-11-5910
D58-1	6D125/6D125E	6150-11-5910
D61EX, PX-12	S6D114E	6151-11-8611

Hydraulic excavators

Machine model	Engine model	Part No.
PC05-6F	KH80463	20M-02-K1041
PC05-7	3D72	YM119632-13511
	3D68E	YM119233-13530
PC10-6F	KH80463	20M-02-R1041
PC10-7	3D78	YM119640-13500
	3D74E	YM119365-13510
PC12R-8	3D68E	YM119233-19560
PC15-3	3D84	YM129131-13510
	3D82E	YM119640-13500
PC15R-8	3D68E	YM119233-13560
PC20-6F	3D84	20S-01-R3121
PC20-7	3D84	YM129131-13510
	3D82E	YM119640-13500
PC20MRX-1	3D74E	YM119624-13500
PC20R-8	3D74E	YM119653-13520
PC25-1	3D84	YM129136-13510
PC25R-8	3D82E	YM119640-13500
PC27R-8	3D82E	YM119640-13500
PC30-6F	3D84	20S-01-R3121
PC30-7	3D84	YM129136-13510
PC30MRX-1	3D84E	YM129002-13500
PC30R-8	3D84E	YM129211-13510
PC35R-8	3D84E	YM129211-13510
PC40-6F	4D84	PZF876001017
PC40-7	4D84	YM129436-13500
PC40MRX-1	4D84E	YM129612-13590
PC40R-8	4D84E	YM129612-13510
PC45-1	4D84	YM129436-13500
PC45R-8	4D84E	YM129612-13510
PC60-7	4D95L	6205-11-5220
	4D95LE	6204-11-5350
	4D102E	6731-11-5511
PC100-6	S4D95L	6205-11-5320
	S4D102E	6732-11-5550
PC120-5K	1004-4TR	6207-11-5310
PC120/PC130-6	S4D95L	6205-11-5320
	S4D102E	6732-11-5550

Hydraulic excavators

Machine model	Engine model	Part No.
PC128US-2	S4D102E	6732-11-5840
PC150-5K	1004-4TR	6207-11-5310
PC180-5K	1006-6T	6207-11-5280
PC200/PC210-6	S6D95L	6209-11-5231
	S6D102E	6735-11-5530
PC210-5K	1006-6T	205-01-73410
PC220/PC230-6	SA6D95L	6209-11-5240
	SA6D102E	6736-11-5510
PC228USLC-1	S6D102E	6735-11-5531
PC240-5K	1006-6T	205-01-73410
PC300-5	SA6D108	6222-11-5410
PC300-5K	SA6D108	6222-11-5410
PC300/PC350-6	SAA6D108E	6222-13-5410
PC400-5	S6D125	6151-13-5720
PC400/PC450-6	SA6D140E	6152-12-5720
PC600-6	N14-C420	21M-01-11120
PC650/PC710-5	SA6D140	6212-11-5611
PC750/PC800-6	SAA6D140E	6212-12-5390
PC1000-1	SA6D170	6162-13-5801
PC1000SP-1	SA6D170	6162-13-5801
PC1100-6	SAA6D170E	6162-15-7240
PC1600-1	SA6D140	6211-11-5610
PC1600SP-1	SA6D140	6212-12-5390
PW30-1	3D84	YM129335-13500
PW60-3	4D95L	6204-11-5253
PW100-3	S6D95L	6207-11-5222
PW150-1	6D95L	6206-11-5210
PW210-1	S6D105	6137-11-5550

Wheel loaders

Remarks *1: With glass wool

Machine model	Engine model	Part No.	
WA30-5	3D84E	YM129137-13520	
WA50-3	S3D84E	YM129137-13531	
WA70-1	4D95L	6204-11-5222	
WA100-1	6D95L	6206-11-5240	
WA120-1	6D95L	6206-11-5240	
WA120-3	6D95L	6206-11-5340	
WA120-3	S4D102E	6732-11-5591	
WA180-1	S6D95L	6206-11-5240	
WA180-3	S6D95L	6207-13-5340	
WA180-3	S6D102E	6735-11-5520	
WA250-1	S6D105	6136-11-5470	
WA250-1H	S6D102	CU3916403	
WA250-3	S6D95L	6207-13-5340	
WA250-3	S6D102E	6735-11-5510	
WA320-1	S6D105	6737-11-5220	
WA320-1*1	S6D105	6138-11-5760	
WA320-3	S6D108	6221-11-5240	
WA320-3 Custom	SA6D102E	419-01-22160	
WA380-1	SA6D110	6138-11-5550	
WA380-3	S6D108	6221-11-5210	
WA420-1	SA6D110	6137-11-5220	
WA420-1H	SA6D114	424-02-11110	
WA420-3	SA6D108	6221-11-5210	
WA470-1	S6D125	6151-11-5581	
WA470-3	S6D125	6151-11-8530	
WA500-1	S6D140	6212-11-5611	
WA500-3	S6D140E	6212-12-5610	
WA600-1	S6D170	6162-13-5682	
WA600-3	SA6D170E	6162-13-5603	
WA700-1	SA6D170	6162-14-5821	
WA700-3	SAA6D170E	6164-14-5821	
WA800-2	SA12V140	Front	6215-11-5520
		Rear	6211-11-5510

Machine model	Engine model	Part No.	
WA800-3	SA12V140	Front	6215-11-5521
		Rear	6212-11-5511
WA900-1	SA12V140	Front	6215-11-5520
		Rear	6211-11-5510
WA900-3	SA12V140	Front	6211-11-5610
		Rear	6215-11-9210

Motor graders

Machine model	Engine model	Part No.
GD313A-1	6D95L	6206-11-5241
GD461A-1	S6D95L	6206-11-5240
GD510R-1	S6D95L	6206-11-5240
GD511A-1	S6D95L	6207-11-5270
GD511R-1	S6D95L	6207-11-5270
GD521A-1	S6D105	6137-11-5620
GD521R-1	S6D105	6137-11-5620
GD523A-1	S6D105	6137-11-5620
GD523R-1	S6D105	6137-11-5620
GD525A-1C	S6D105	6137-11-5620
GD611A-1	S6D105	6137-11-5620
GD611R-1	S6D105	6137-11-5620
GD621A-1	S6D105	6137-11-5620
GD621R-1	S6D105	6137-11-5620
GD623A-1	6D125	6150-11-5531
GD625A-1C	6D125	6151-11-5510
GD661A-1	S6D105	6137-11-5620
GD705A-4	S6D125	6151-11-5510
GD725A-1	S6D125	6151-11-5510
GD825A-2	S6D140	6212-11-5611
GD825A-2	S6D140E	6212-12-5390

Dump trucks

Machine model	Engine model	Part No.
HA250-3	S6D125	BW251637
HA270-3	S6D125	BW251637
HD205-3	S6D125	567-02-45110
HD325-6	SA6D140	566-92-82110
HD465-5	SA6D170	569-84-42112
HD785-3	SA12V140	561-84-62411

Trash compactors

Machine model	Engine model	Part No.
WF450T-1	S6D125	6151-11-5581
WF600T-1	S6D140	6211-11-5620

6. Cylinder Liners



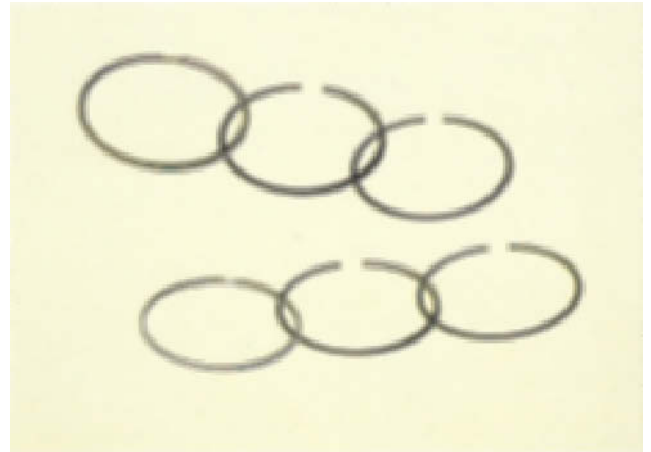
Wet and dry type liners are used in Komatsu engines. The inside surface of the most cylinder liners are nitrided in order to reduce excessive wear and prevent scuffing. Plateau honing are applied to most cylinder liners.

7. Pistons



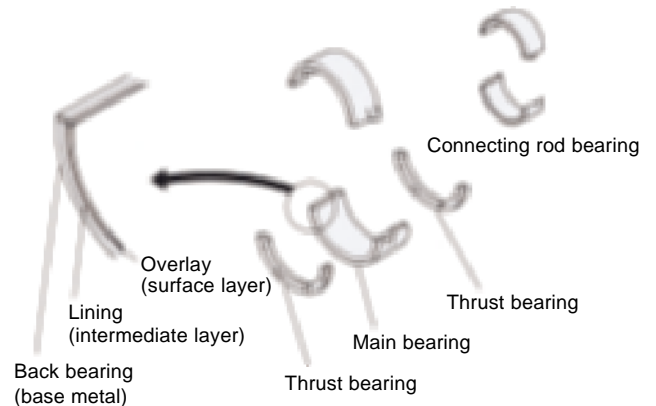
Ductile cast iron pistons and aluminum pistons are used in Komatsu engines for high durability and reliability.

8. Piston Rings



The purpose of piston rings is to seal compression gas pressure inside the cylinder wall, and to transmit heat from the piston to the cylinder liner. They are made of special cast iron having high thermal resisting and wear-proof properties and high strength.

9. Bearings



These bearings support the severest running portion of crankshaft as the engine bearings and therefore, they are subjected to heavy surface pressure and severe high speed running motion. Each bearing is made of a single metal (as the base metal) but also has lining (intermediate layer) and overlay (surface layer) on the base metal to obtain the high strength and break-in properties required for bearings shown above.

10. Thermostat



The thermostat acts to open the valve to the radiator circuit when the temperature of the cooling water in the engine circuit reaches a certain temperature.

The valve starts to open at approx. 77°C and is fully open at 90°C.

Engine model			Parts No.	Applicable machine model				
3D68E			YM119260-49800	PC05-7	PC12R-8	PC15R-8		
3D72	3D74E	3D84	YM129350-49800	PC05-7	PC10-7	PC20R-8	PW30-1	
3D74E	3D78	3D82E	YM129155-49800	PC10-7	PC15-3	PC20-6F	PC20-7	PC20MRX-1
3D84	3D84E	4D84		PC25-1	PC25R-8	PC27R-8	PC30-6F	PC30-7
4D84E				PC30MRX-1	PC30R-8	PC35R-8	PC40-6F	PC40-7
				PC40MRX-1	PC40R-8	PC45-1	PC45R-8	
3D84E	S3D84E		YM129574-49800	WA30-5	WA50-3			
4D94E			YM121850-49800	D20/21-7				
4D95L	S4D95L		600-421-6110	GD461A-1	PW60-3	PW150-1	WA70-1	WA100-1
6D95L	S6D95L			WA180-1				
4D95S	4D95LE	6D95L	600-421-6120	D20/D21-7	D31-20	D37-5	PC60-7	GD313A-1
S6D95L				GD510R-1	GD511-1	PC100-6	PC120-6	PC130-6
				WA120-1	WA120-3			
S6D95L	SA6D95L		600-421-6360	WA180-3	WA250-3	PC200/210-6	PC220/230-6	
4D102E	S4D102E	S6D102E	6732-61-1620	D31-20	D37-5	PC60-7	PC100-6	PC120-6
SA6D102E				PC128US-2	PC130-6	PC200-6	PC210-6	PC220-6
				PC228USLC-1	PC230-6	WA120-3	WA180-3	WA250-3
				WA320-3 Custom				
S6D102E			6732-61-1610	D41-6				
6D105	S6D105		600-421-6210	D40/D41-3	WA250-1	WA320-1		
S6D105			600-421-6220	GD521-1	GD523A-1	GD525-1C		
S6D108	SA6D110	6D125	600-421-6310	D50/53-17	D58-1	D65-12	D66S-1	D75A-1
S6D125	S6D155	SA12V170		D75S-5	D85E-SS-2A	D85-21	D155A-2	D575A-2 SD
				GD705A-4	GD725A-1	HA250-3	HA270-3	HD205-3
				PC400-5	WA380-1	WA380-3	WA420-1	WA420-3
				WA470-1	WA470-3			
S6D105	SA6D110	6D125	600-421-6320	D50/D53-17	GD611-1	GD621-1	GD623A-1	GD625A-1C
S6D125				GD661A-1	GD725A-1	WA380-1	WA420-1	
S6D108	SA6D108	SAA6D108E	600-421-6410	D57S-1	PC300-5	PC300-5K	PC300-6	PC350-6
6D125E	S6D125E	S6D140	600-421-6630	D53-17	D58-1	D65-12	D75S-5	D85-21
S6D140E	SA6D140	SA6D140E		D135A-2	D155A-2	D155-3	D155AX-5	D155C-1
SAA6D140E	S6D170	S6D170E		D275A-2	D355A-3	D355C-3	D375A-2	D375A-3
SA6D170E	SAA6D170E	SA12V140		D475A-2	D475A-3	D475A-3 SD		
SD12V140	SA12V170			D575A-2	D575A-2 SD	GD825A-2	HD255-5	HD325-6
				HD465-5	HD785-3	HD785-5	HD985-3	HD985-5
				PC650-5	PC710-5	PC750-6	PC800-6	PC1000-1
				PC1100-6	PC1600-1	PC1600SP-1	WA500-1	WA500-3
				WA600-1	WA600-3	WA700-1	WA700-3	WA800-2
				WA800-3	WA900-1	WA900-3	WF600T-1	
KH80463			PK145206021	PC05-6F	PC10-6F			
1004-4TR	1006-6T		PK2485613	PC120-5K	PC150-5K	PC180-5K	PC210-5K	PC240-5K
S6D102			CU3914408	WA250-1H				
S6D114E			6742-01-1900	D61-12				
SA6D114			CU3907242	WA420-1H				
N14-C420			CU3411335	PC600-6				

11. Fuel Water Separators



The fuel water separator removes the water in fuel. This prevents the water in the fuel from having any adverse effect on the fuel injection system.

Engine model			Parts No.	Applicable machine model				
S3D84E			YM129137-55700	WA50-3				
3D68E	3D72	3D74E	YM129335-55700	PC05-7	PC10-7	PC15-3	PC20-6F	PC20-7
3D78	3D82E	3D84		PC25-1	PC30-6F	PC30-7	PC40-6F	PC40-7
3D84E	4D84	4D84E		PC40MRX-1	PC45-1	PW30-1		
4D95S	4D95L	6D95L	600-311-9700	D20/D21-7	D31-20	D37-5	D40/D41-3	D41-6
S6D95L	6D105	S6D105		D50/D53-17	D57S-1	D58-1	D66S-1	GD313A-1
S6D108	6D125	SA6D110		GD461A-1	GD510R-1	GD511-1	GD521-1	GD523-1
				GD525A-1C	GD511-1	GD621-1	GD661A-1	PW210-1
				WA70-1	WA100-1	WA120-1	WA180-1	WA250-1
				WA320-1	WA380-1	WA420-1		
SA6D170	SA12V140	SD12V140	600-311-9711	HD465-5	D475A-2	D475A-3	D475A-3 SD	
S4D95L	S6D95L	SA6D95L	600-311-9731	D31-20	D37-5	D65-12	D75A-1	D75S-5
S4D102E	S6D102E	SA6D108		D85E-SS-2A	D85-21	D135A-2	D155-3	D155AX-5
SAA6D108E	6D125	6D125E		D275A-2	D355A-3	D375A-3	D475A-2	GD623A-1
S6D125E	SA6D125E	S6D140		GD625A-1C	GD705A-4	GD725A-1	GD825A-2	HD205-3
SS6D140	SA6D140E	SAA6D140E		HD325-6	PC100-6	PC120-6	PC128US-2	PC130-6
S6D170	S6D170E	SA6D170E		PC200-6	PC210-6	PC220-6	PC230-6	PC300-5
				PC300-5K	PC300-6	PC350-6	PC400-5	PC400-6
				PC450-6	PC650-5	PC710-5	PC750-6	PC800-6
			WA320-3	WA380-3	WA420-3	WA470-1	WA470-3	
			WA500-1	WA500-3				
6D95L	6D125	6D125E	600-311-9800	D53-17	D58-1	PW150-1		
SA6D114			CU3908633	WA420-1H				

12. Air Intake Heaters



The air intake heater is installed to the intake manifold, and acts to heat the intake air to improve the ease of starting the engine.

Remarks *: Glow plug

Engine model			Parts No.	Applicable machine model				
3D68E	3D72	3D74E	YM129795-77800*	PC05-7 PC20-7	PC10-7 PC20MRX-1	PC12R-8 PC20R-8	PC15-3 PC25-1	PC15R-8
3D78 S3D84E	3D82E	3D84	YM129120-77501	PC30-6F	PC40-6F	PC40-7	PC45-1	WA50-3
3D82E	3D84E	4D84E	YM129100-77500	PC15-3 PC30R-8 WA30-5	PC20-7 PC35R-8	PC25R-8 PC40MRX-1	PC27R-8 PC40R-8	PC30MRX-1 PC45R-8
3D84E	4D84	4D84E	YM129120-77501	PC10-7 PC30-7	PC15-3 PC40-6F	PC20-6F PC40-7	PC20-7 PC45-1	PC25-1
3D84			YM121520-77910					PW30-1
4D94E			YM119005-77050					D20/D21-7
4D95S	4D95L	4D95LE	600-815-1340*	D20/D21-7	PC60-7	WA70-1		
S4D95L SA6D95L	6D95L 6D105	S6D95L S6D105	600-815-2341	D31-20 GD510R-1 GD611-1 PC130-6 PW60-3 WA320-1	D37-5 GD511A-1 GD621-1 PC200-6 WA100-1	D40/41-3 GD521-1 GD661A-1 PC210-6 WA120-1	GD313A-1 GD523-1 PC100-6 PC220-6 WA180-1	GD461A-1 GD525A-1C PC120-6 PC230-6 WA250-1
6D95L SA6D108	S6D95L SAA6D108E	S6D108	600-815-2770*	D57S-1 WA120-3	PC300-5 WA180-3	PC300-5K WA250-3	PC300-6	PC350-6
4D102E	S4D102E	S6D102E	6732-81-5120	D31-20 PC120-6 PC228USLC-1	D37-5 PC128US-2 WA120-3	D41-6 PC130-6 WA180-3	PC60-7 PC200-6 WA250-3	PC100-6 PC210-6
SA6D102E			6732-81-4100	PC220-6	PC230-6	WA320-3 Custom		
S6D110	SA6D110		600-815-2620 600-815-2630 600-815-2640	D66S-1	WA380-1	WA380-3	WA420-1	WA420-3
S6D114E			6742-01-5197	D61-12				
6D125 S6D125E	6D125E	S6D125	600-815-3810	D50/D53-17 D85E-SS-2A HA270-3 WF450T-1	D58-1 D85-21 HD205-3	D65-12 GD705A-4 PC400-5	D75A-1 GD725A-1 WA470-1	D75S-5 HA250-3 WA470-3
SA6D125E			600-815-3820	HD255-5	PC400-6	PC450-6		
S6D140 SAA6D140E	SA6D140	S6D140E	600-815-4280	D135A-2 WA500-3	D155-3 WF600T-1	GD825A-2	HD325-6	WA500-1
S6D140 SD12V140	SA6D140	SA6D140E	600-815-4291	D155A-2 D475A-3 SD HD985-5 PC1600-1 WA900-3	D155-3 HD325-6 PC650-5 WA500-3	D155AX-5 HD785-3 PC710-5 WA800-2	D475A-2 HD785-5 PC750-6 WA800-3	D475A-3 HD985-3 PC800-6 WA900-1
S6D155 SA6D170	SA6D155	S6D170	600-815-2180*	D155C-1 PC1000-1	D275A-2 WA600-1	D355A-3 WA700-1	D355C-3	D375A-2
S6D155 SAA6D170E	S6D170E	SA6D170E	7821-04-1410*	D155A-2 WA600-3	D275A-2 WA700-3	D375A-3	HD465-5	PC1100-6
1004-4TR	1006-6T		PK2666108	PC120-5K	PC150-5K	PC180-5K	PC210-5K	PC240-5K

Reman

Remanufactured (Reman) Products

Komatsu **Remanufactured Products** provide major savings through both lower cost and reduced downtime.

Remanufactured components, with your core, will save you 30 - 60% when compared to the cost of new.

Along with these cost savings is significant reduction in machine downtime. Your machine downtime is reduced to the time it takes to remove the old component and install the new **Remanufactured products**.

Features of Remanufactured Products

- Same-as-new products warranty
- Like-new products performance
- Save up to 60% versus new products



Location of Komatsu **Reman** center



Available Remanufactured Products

These Remanufactured Products are available in United States.

Component	Model	Crawler Tractor	Hydraulic Excavator	Wheel Loader	Dump Truck	Motor Grader
Engines		●	●	●	●	●
Short blocks		●	●	●	●	●
Cylinder heads		●	●	●	●	●
Starting motors		●	●	●	●	●
Fuel injection pumps		●	●	●	●	●
Turbocharger		●	●	●	●	●
Water pumps		●	●	●	●	●
Air compressors		●	●	●	●	●
Oil pumps		●	●	●	●	●
Oil coolers		●	●	●	●	●
Connecting rods		●	●	●	●	●
Transmissions		●		●	●	●
Torque converters		●		●	●	
Differentials				●	●	
Main pumps			●			
Swing motors			●			
Travel motors			●			
Final drives		●	●			
Electronic controllers		●				
Hydraulic cylinders			●	●		
Power modules		●				

Note: Not all Remanufactured Products are available worldwide.



Seals and Hoses

1. Hydraulic Cylinder Seal KIT



The seal kit consists of all the O-rings and seals needed when rebuilding hydraulic cylinders.

Benefits:

- It is cheaper to purchase a seal kit than to buy individual parts.
- Furthermore, it is more convenient for ordering and inventory control purposes, to use only one part number.

Bulldozers

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
D31E/P-20 (45001-)	Blade lift	114-63-02011	707-98-22410
	Blade tilt	114-63-02041	707-98-22410
	Blade angle	114-63-02031	707-98-22410
D31P-20 (45001-)	Blade lift	11G-63-02011	707-98-15610
	Blade lift	11G-63-02021	707-98-15610
	Blade tilt	11G-63-02051	707-98-22420
D37E, P-5 (3001-)	Blade lift	114-63-02011	707-98-22410
	Blade tilt	114-63-02041	707-98-22410
	Blade angle	114-63-02031	707-98-22410
D41A-3 (6603-)	Blade lift	12F-63-13701	12F-63-05020
	Blade lift	12F-63-13801	12F-63-05020
D41E-3 (6001-)	Blade tilt	12F-63-52500	12F-63-05060
D41P-3 (6474-)			
D41A/P-6 (B20001-)	Blade lift	124-63-02201	707-98-32820
	Blade tilt	124-63-02222	707-98-34590
	Blade angle	124-63-02210	707-98-42420
D50/D53-17 (80001-)	Blade lift (A)	130-63-12300	707-98-26540
	Blade lift (A)	130-63-12400	707-98-26540
	Blade lift (P)	13F-63-14300	707-98-26540
	Blade lift (P)	13F-63-14400	707-98-26540
	Blade tilt	130-63-52500	707-98-60120
D58E-1 (80888-)	Blade lift	130-63-12300	707-98-26540
	Blade lift	130-63-12400	707-98-26540
D58P-1 (80588-)	Blade lift	13F-63-14300	707-98-26540
	Blade lift	13F-63-14400	707-98-26540
D61EX-12 D61PX-12 (1001-)	Blade lift (PAT)	134-63-01012	707-98-34580
	Blade lift (SU, STT)	134-63-01060	707-98-34640
D65E/EX-12 (60001-60941) (60942-) (60001-)	Blade lift	14X-63-01063	707-98-28600
	Blade lift	14Y-63-01014	707-98-28600
	Blade tilt	14Y-63-01032	707-98-52140
	Ripper	14X-63-01052	707-98-52130
D65P/PX-12 (60001-)	Blade lift	14X-63-01013	707-98-28600
	Blade tilt	14X-63-01032	707-98-52140
D75A-1 (50001-50280) (50281-) (50001-50280) (50001-50280) (50281-) (50001-)	Blade lift (ANG)	144-63-12502	144-63-05050
	Blade lift (ANG)	144-63-12602	144-63-05050
	Blade lift (ANG)	144-63-02012	707-98-36450
	Blade lift (ANG)	144-63-02022	707-98-36450
	Blade lift (STT)	144-63-16100	144-63-05050
	Blade lift (STT)	144-63-16200	144-63-05050
	Blade tilt (STT)	144-63-52200	144-63-05080
	Blade tilt (STT)	14F-63-03030	707-98-60100
D85E-SS-2A (3001-)	Ripper	144-63-42100	707-98-61100
	Blade lift	14Y-63-01013	707-98-28600
	Blade tilt	14Y-63-01032	707-98-52140
D85A/E-21 (35001-)	Ripper	14X-63-01052	707-98-52130
	Blade lift (A)	154-63-02010	707-98-37580
	Blade lift (E)	154-63-02050	707-98-37580
	Blade tilt	154-63-02070	707-98-62120
	MAP tilt	154-63-02130	707-98-52110
	MAP tilt	154-63-02130	707-98-52110
Ripper	154-63-02081	707-98-52110	

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
D135A-2 (10301-)	Blade lift	15A-63-02010	707-98-45610
	Blade tilt	15A-63-02130	707-98-64410
	Ripper lift	15A-63-02140	707-98-62100
	Ripper lift	15A-63-02150	707-98-62100
	Ripper tilt	15A-63-02160	707-98-54500
	Ripper tilt	15A-63-02170	707-98-54500
	Pin puller	15A-63-02080	707-98-11070
D155A-2 (50001-)	Blade lift	175-63-02111	707-98-53100
	Blade tilt	175-63-52700	175-63-05140
	Ripper lift	175-63-42701	707-99-71420
	Ripper lift	175-63-42801	707-99-71420
	Ripper tilt	175-63-43700	707-99-71420
	Ripper tilt	175-63-43800	707-99-71420
	Pin puller	175-63-49102	707-99-12460
D155A-2 (57001-)	Blade lift	175-63-02111	707-98-53100
	Blade tilt	175-63-52700	175-63-05140
	Ripper lift	175-63-42701	707-99-71420
	Ripper lift	175-63-42801	707-99-71420
	Ripper tilt	175-63-43700	707-99-71420
	Ripper tilt	175-63-43800	707-99-71420
	Pin puller	175-63-02180	707-98-12460
D155A/AX-3 (60001-)	Blade lift	17A-63-01210	707-98-44200
	Blade tilt	17A-63-02130	707-98-64410
	Dual tilt	17A-63-02190	707-98-71020
	Ripper lift	17A-63-02140	707-98-62131
	Ripper tilt	17A-63-02160	707-98-62131
D155AX-5 (70001-)	Blade lift	17A-63-02110	707-98-44200
	Blade tilt	17A-63-02130	707-98-64410
	Dual tilt	17A-63-02190	707-98-71020
	Ripper lift	17A-63-02140	707-98-62131
	Ripper tilt	17A-63-02160	707-98-62131
	Pin puller	15A-63-02080	707-98-11070
D275A-2 (10001-)	Blade lift	17M-63-01011	707-98-45620
	Blade tilt	17M-63-01031	707-98-73020
	Dual tilt	17M-63-01081	707-98-73020
	Dual tilt	17M-63-01091	707-98-73400
	Ripper lift	17M-63-01041	707-98-73010
	Ripper tilt	17M-63-01061	707-98-64400
	Pin puller	175-63-02080	707-98-11020
D355A-3 (9325-12961) (4901-12961)	Blade lift	195-63-13700	195-63-05120
	Blade lift	195-63-13800	195-63-05120
	Tilt	195-63-52500	195-63-05130
D375A-2 (16001-)	Blade lift	195-63-01410	707-98-56610
	Blade lift	195-63-01420	707-98-56610
	Blade tilt	195-63-53400	707-98-74410
	Ripper lift	195-63-01440	707-98-74400
	Ripper lift	195-63-01450	707-98-74400
	Ripper tilt	195-63-01501	707-98-74100
	Ripper tilt	195-63-01601	707-98-74100
	Pin puller	175-63-02080	707-98-11020
	Dual tilt	195-63-01310	707-98-74410
	Dual tilt	195-63-01320	707-98-81010
D375A-3 (17001-)	Blade lift	195-63-01410	707-98-56610
	Blade lift	195-63-01420	707-98-56610
	Blade tilt	195-63-53401	707-98-74410
	Dual tilt	195-63-01311	707-98-74410
	Dual tilt	195-63-01321	707-98-81010
	Ripper lift	195-63-01440	707-98-74400
	Ripper lift	195-63-01450	707-98-74400
	Ripper tilt	195-63-01501	707-98-74100
	Ripper tilt	195-63-01601	707-98-74100
	Pin puller	175-63-02080	707-98-11020

Seals and hoses

Bulldozers

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
D475A-2 (10201-)	Lift	198-63-02010	707-98-67510
	Lift	198-63-02020	707-98-67510
	Tilt	198-63-02130	707-98-84011
	Dual tilt	198-63-02180	707-98-84011
	Dual tilt	198-63-02190	707-98-84400
	Ripper lift	198-63-02140	707-98-34011
	Ripper tilt	198-63-02160	707-98-84010
D475A-3 (10601-)	Blade lift	198-63-02310	707-98-67510
	Blade lift	198-63-02320	707-98-67510
	Blade tilt	198-63-02131	707-98-84011
	Dual tilt	198-63-02131	707-98-84011
	Ripper lift	198-63-02140	707-98-82010
	Ripper tilt	198-63-02160	707-98-84010
D475A-3 SD (10601-)	Pin puller	198-63-02080	707-99-11010
	Blade lift	198-63-02211	707-98-74110
	Blade lift	198-63-02221	707-98-74110
	Blade tilt	198-63-02230	707-98-84011
	Dual tilt	198-63-02230	707-98-84011
	Ripper lift	198-63-02140	707-98-82010
D575A-2 (10013-)	Ripper tilt	198-63-02160	707-98-84010
	Pin puller	198-63-02080	707-99-11010
	Blade lift	19M-63-02011	707-98-75420
	Dual tilt	19M-63-02090	707-98-96200
	Ripper lift	19M-63-02043	707-98-84420
	Ripper lift	19M-63-02053	707-98-84420
	Ripper tilt	19M-63-02062	707-98-84420
Ripper tilt	19M-63-02072	707-98-84420	
Pin puller	19M-63-02080	707-98-22070	

Dozer shovels

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
D31S, Q-20 (42001-)	Lift	113-63-02011	707-98-32050
	Lift	113-63-02021	707-98-32050
	Dump	113-63-02031	707-98-24010
	Dump	113-63-02041	707-98-24010
D57S-1 (20001-)	Lift	135-63-22305	135-63-05060
	Lift	135-63-22405	135-63-05060
	Dump	135-63-32306	135-63-05020
	Dump	135-63-32407	135-63-05020
D66S-1 (14001-)	Lift	142-63-22200	707-98-54510
	Dump	142-63-32300	707-98-66410
D75S-5 (15001-)	Lift	145-63-23301	707-98-64420
	Lift	145-63-23401	707-98-64420
	Dump	145-63-32602	707-98-52410
	Dump	145-63-32702	707-98-52410

Hydraulic excavators

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
PC05-7 (80001-)	Boom	20M-63-02012	707-98-11200
	Boom swing	20M-63-02041	707-98-11220
	Arm	20M-63-02021	707-98-04600
	Bucket	20M-63-02031	707-98-04600
	Blade	20M-63-02051	707-98-11210
PC10-7 (25001-) (25001-25857) (25858-) (25001-) (25001-25857) (25858-)	Boom (canopy)	20N-63-02203	707-99-14430
	Boom (cab)	20N-63-02211	707-99-14430
	Boom swing (canopy)	20N-63-02241	707-98-22020
	Boom swing (cab)	20N-63-02260	707-98-22020
	Boom swing	20N-63-02261	707-98-22020
	Arm	20N-63-02222	707-98-14610
	Bucket	20N-63-02232	707-98-12260
	Blade lift	20C-63-02050	707-98-12700
	Blade lift	20P-63-02140	707-98-12410
Blade tilt	20P-63-02121	707-98-23100	

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
PC12R-8 (10001-)	Boom (canopy)	20M-63-02111	707-98-10880
	Boom (cab)	20M-63-02160	707-98-10880
	Boom swing	20M-63-02140	707-98-11310
	Arm	20M-63-02121	707-98-04640
	Bucket	20M-63-02130	707-98-04640
	Blade	20M-63-02150	707-98-11300
PC15-3 (5001-6221) (6222-) (5001-)	Boom (canopy)	20P-63-02101	707-99-15710
	Boom (cab)	20P-63-02111	707-99-15710
	Boom (canopy)	20P-63-02102	707-99-15710
	Boom (cab)	20P-63-02112	707-99-15710
	Boom swing	20P-63-02240	707-98-22020
	Arm	20N-63-02222	707-98-13960
	Bucket	20N-63-02232	707-98-12260
	Blade lift	20P-63-02251	707-98-12410
	Blade tilt	20P-63-02121	707-98-23100
	PC15R-8 (10001-)	Boom (canopy)	20W-63-02111
Boom (cab)		20W-63-02160	707-98-12330
Boom swing		20M-63-02140	707-98-11310
Arm		20W-63-02121	707-98-04640
Bucket		20M-63-02130	707-98-04640
Blade		20W-63-02150	707-98-12660
PC20-7 (35001-42354) (42355-) (35001-) (35001-37000) (37001-42354) (42355-) (35001-)	Boom (canopy)	20P-63-02101	707-99-15710
	Boom (cab)	20P-63-02111	707-99-15710
	Boom (canopy)	20P-63-02102	707-99-15710
	Boom (cab)	20P-63-02112	707-99-15710
	Boom swing	20P-63-02240	707-98-22020
	Arm	20N-63-02222	707-98-14610
	Bucket	20N-63-02232	707-98-12260
	Bucket	20P-63-02130	707-98-12310
	Bucket	20P-63-02131	707-98-12310
	Blade lift	20N-63-02251	707-98-12410
PC20MRX-1 (10001-)	Blade tilt	20P-63-02121	707-98-23100
	Boom (canopy)	721-00-70470	707-98-14760
	Boom (cab)	721-00-70480	707-98-14760
	Boom swing	721-00-70580	707-98-14740
	Arm	22K-63-02131	707-98-14610
	Bucket	135-63-02431	707-98-12280
PC20R-8 (10001-)	Blade	20C-63-02450	707-98-13850
	Boom (canopy)	20N-63-02503	707-98-14890
	Boom (cab)	20N-63-02513	707-98-14890
	Boom swing	20N-63-02541	707-98-14740
	Arm	20N-63-02523	707-98-14830
	Bucket	20N-63-02533	707-98-12280
PC25-1 (1001-)	Blade lift	20N-63-02553	707-98-13850
	Blade lift (MAPT)	20N-63-02011	707-98-12410
	Blade tilt	20N-63-02121	707-98-23100
	Boom	20R-63-02251	707-99-24201
	Boom swing	20S-63-02240	707-98-24510
	Arm	20R-63-02212	707-98-22200
PC25R-8 (10001-)	Bucket	20R-63-02222	707-98-14830
	Blade	20S-63-02250	707-98-24570
	Blade lift	20S-63-02260	707-98-24610
	Blade tilt	20U-63-02090	707-98-24550
	Boom (canopy)	20P-63-02502	707-98-24890
	Boom (cab)	20P-63-02512	707-98-24890
	Boom swing	20P-63-02541	707-98-23130
	Arm	20P-63-02522	707-98-14610
	Bucket	20P-63-02431	707-98-12260
Blade	20P-63-02451	707-98-12670	
Blade lift	20N-63-02271	707-98-12410	
Blade tilt	20P-63-02121	707-98-23100	

Hydraulic excavators

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
PC27R-8 (10001-)	Boom (canopy)	20P-63-02502	707-98-24890
	Boom (cab)	20P-63-02512	707-98-24890
	Boom swing	20P-63-02541	707-98-23130
	Arm	20P-63-02522	707-98-14610
	Bucket	20P-63-02531	707-98-12310
	Blade	20P-63-02552	707-98-12670
	Blade lift	20P-63-02140	707-98-12410
	Blade tilt	20P-63-02121	707-98-23100
PC30-7 (18001-)	Boom	20S-63-02231	707-98-24920
	Boom swing	20S-63-02240	707-98-24510
	Arm	20S-63-02202	707-98-24820
	Bucket	20S-63-02212	707-98-14610
	Blade	20S-63-02250	707-98-24570
	Blade lift	20S-63-02260	707-98-24610
	Blade tilt	20U-63-02090	707-98-24550
	PC30MRX-1 (10001-)	Boom (canopy)	707-00-75320
Boom (cab)		707-00-75330	707-98-24890
Boom swing (canopy)		721-00-80400	707-98-23130
Boom swing (cab)		721-00-80500	707-98-23130
Arm		20L-63-02133	707-98-22820
Bucket		20U-63-02432	707-98-14830
Blade		20U-63-02451	707-98-22180
PC30R-8 (10001-)		Boom	20R-63-02302
	Boom swing	20S-63-02242	707-98-24900
	Arm	20R-63-02314	707-98-22840
	Bucket	20R-63-02324	707-98-14260
	Blade	20S-63-02241	707-98-24570
PC35R-8 (35001-)	Boom	20S-63-02402	707-98-24280
	Boom swing	20S-63-02432	707-98-24900
	Arm	20S-63-02414	707-98-23810
	Bucket	20S-63-02423	707-98-14830
	Blade	20S-63-02441	707-98-24570
PC40-7 (18001-)	Boom	20T-63-02241	707-98-26560
	Boom swing	20T-63-02221	707-98-25520
	Arm	20T-63-02201	707-98-25110
	Bucket	20T-63-02211	707-98-24210
	Blade	20T-63-02231	707-98-32120
	Blade lift	20T-63-02260	707-98-32810
	Blade tilt	20U-63-02090	707-98-24550
	PC40MRX-1 (1001-)	Boom (canopy)	22N-63-02102
Boom (cab)		22N-63-02112	707-98-22560
Boom swing		22M-63-02142	707-98-25520
Arm		22M-63-02122	707-98-25250
Bucket		20T-63-02425	707-98-15690
Bucket (multi changer)		20T-63-02524	707-98-25910
Blade		22N-63-02152	707-98-32810
PC40R-8 (30001-)	Boom	20T-63-02402	707-98-25560
	Boom swing	20T-63-02433	707-98-25520
	Arm	20T-63-02414	707-98-25250
	Bucket	20T-63-02425	707-98-15690
	Blade	20T-63-02441	707-98-32120
PC45-1 (1001-)	Boom	20T-63-02300	707-98-34140
	Boom swing	20T-63-02330	707-98-25620
	Arm	20T-63-02310	707-98-25820
	Bucket	20T-63-02320	707-98-25110
	Blade	20T-63-02231	707-98-32120
	Blade lift	20T-63-02260	707-98-32810
	Blade tilt	20U-63-02090	707-98-24550
PC45R-8 (5001-)	Boom	20T-63-02402	707-98-25560
	Boom swing	20T-63-02533	707-98-29961
	Arm	20T-63-02514	707-98-25830
	Bucket	20T-63-02524	707-98-25910
	Blade	20T-63-02441	707-98-32120

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
PC60-7 (45001-52273) (52284-)	Boom	201-63-02302	707-99-36630
	Arm	201-63-02312	707-99-35230
	Bucket	201-63-02322	707-99-26640
	Boom	201-63-02502	707-98-36590
	Arm	201-63-02511	707-98-35180
	Bucket	201-63-02520	707-98-26580
PC100-6 (40001-44999) (45000-)	Boom	202-63-02303	707-98-36200
	Arm	202-63-02322	707-99-44200
	Bucket	202-63-02332	707-98-27600
	Boom	202-63-07700	707-98-36250
PC120/130-6 (45001-56999) (57000-)	Arm	202-63-07720	707-99-44220
	Bucket	202-63-07730	707-98-27620
	Boom	203-63-02303	707-98-37620
	Arm	203-63-02322	707-99-44200
PC120/130-6 (45001-56999) (57000-)	Bucket	203-63-02332	707-98-26210
	Boom	203-63-07700	707-98-37670
	Arm	203-63-07720	707-99-44220
	Bucket	203-63-07730	707-98-36240
PC128US-2 (5001-)	Boom, L.H.	22B-63-02400	707-99-37230
	Boom, R.H.	22B-63-02410	707-99-37230
	Arm	203-63-02721	707-99-44220
	Bucket	203-63-02731	707-98-36240
PC200/210-6 (80001-96513) (96514-)	Boom	20Y-63-02502	707-98-46600
	Arm	205-63-02522	707-99-57200
	Bucket	205-63-02132	707-98-45220
	Boom	20Y-63-03101	707-99-46270
	Arm	205-63-03122	707-99-57270
	Bucket	205-63-03131	707-99-45250
PC220/230-6 (40001-52851) (52852-)	Bucket 1.8m arm	205-63-03140	707-98-46290
	Boom	206-63-02501	707-99-47600
	Arm	206-63-02521	707-99-58200
	Bucket	206-63-02130	707-98-47620
PC220/230-6 (40001-52851) (52852-)	Bucket 2.0m arm	206-63-02140	707-98-58240
	Boom	206-63-03100	707-99-47660
	Arm	206-63-03121	707-99-58350
	Bucket	206-63-03130	707-98-47670
	Bucket 2.0m arm	206-63-03140	707-98-58320
	PC228USLC-1 (11001-)	Boom	22U-63-02203
Arm		22U-63-02222	707-99-57270
Bucket		22U-63-02240	707-99-47670
PC300-5 (20001-)	Boom	207-63-02100	707-99-58210
	Arm	207-63-02120	707-99-67110
	Bucket	207-63-02130	707-99-58110
PC300-6 (30001-32999) (33001-)	Boom	207-63-02301	707-99-58210
	Arm	207-63-02120	707-99-67110
	Bucket	207-63-02130	707-99-58110
	Boom	207-63-02501	707-99-58360
PC300-6 (30001-32999) (33001-)	Arm	207-63-02521	707-99-67280
	Bucket	207-63-02531	707-99-58370
	Boom	207-63-02301	707-99-58210
	Arm	207-63-02341	707-99-67110
PC350-6 (10001-11999) (12001-)	Bucket	207-63-02130	707-99-58110
	Boom	207-63-02501	707-99-58360
	Arm	207-63-02541	707-99-67280
	Bucket	207-63-02531	707-99-58370
PC400-5 B/H (20001-)	Boom	208-63-02100	707-99-67120
	Arm	208-63-02120	707-99-68510
	Bucket	208-63-02130	707-99-67010
PC400-5 L/S (20001-)	Boom	208-63-03100	707-99-67121
	Arm	208-63-03120	707-99-68510
	Bucket	208-63-03130	707-99-57200
	Bottom dump	208-63-03150	707-99-47600

Seals and hoses

Hydraulic excavators

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
PC400-6 B/H (30001-31999)	Boom	208-63-02301	707-99-67120
	Arm	208-63-02120	707-99-68510
	Bucket	208-63-02130	707-99-67010
(32001-)	Boom	208-63-02501	707-99-67300
	Arm	208-63-02521	707-99-68560
	Bucket	207-63-02531	707-99-67310
PC400-6 L/S (30001-)	Boom	208-63-03100	707-99-67121
	Arm	208-63-03120	707-99-68510
	Bucket	208-63-03130	707-99-57200
	Bottom dump	208-63-03150	707-99-47600
PC450-6 (10001-11999)	Boom	208-63-02301	707-99-67120
	Arm	208-63-02341	707-99-69500
	Bucket	208-63-02130	707-99-67010
	Boom	208-63-02501	707-99-67300
	Arm	208-63-02541	707-99-69520
	Bucket	207-63-02531	707-99-67310
PC600-6 (10001-)	Boom	21M-63-02101	707-99-68580
	Arm	21M-63-02121	707-99-77140
	Bucket	21M-63-02131	707-99-68560
PC650-5 B/H (20169-)	Boom	209-63-02100	707-99-77220
	Arm	209-63-02120	707-99-77240
	Bucket	209-63-02130	707-99-69600
PC650-5 L/S (20164-)	Boom	209-63-03011	707-99-68600
	Arm	209-63-03031	707-99-78640
	Bucket	209-63-03041	707-99-69600
	Bottom dump	209-63-03061	707-99-56300
PC710-5 (11019-)	Boom	209-63-02100	707-99-77240
	Arm	209-63-02120	707-99-77240
	Bucket	209-63-02130	707-99-69600
PC750-6 B/H (10001-)	Boom	209-63-02301	707-99-77380
	Arm	209-63-02381	707-99-77380
	Bucket	209-63-02372	707-99-68510
PC750-6 L/S (10001-)	Boom	209-63-03311	707-99-77380
	Arm	209-63-03330	707-99-78690
	Bucket	209-63-03340	707-99-69660
	Bottom dump	209-63-03360	707-99-56200
PC750SE-6 (10001-)	Boom	209-63-02301	707-99-77380
	Arm	209-63-02351	707-99-68510
	Bucket	209-63-02341	707-99-78680
PC800-6 (30001-)	Boom	209-63-02301	707-99-77380
	Arm	209-63-02351	707-99-68510
	Bucket	209-63-02372	707-99-68510
PC800SE-6 (30001-)	Boom	209-63-02301	707-99-77380
	Arm	209-63-02351	707-99-68510
	Bucket	209-63-02341	707-99-78680
PC1000-1 B/H (10001-)	Boom	21N-63-02011	707-99-78620
	Arm	21N-63-02031	707-99-89200
	Bucket	21N-63-02041	707-99-78630
PC1000-1 L/S (10001-)	Boom	21N-63-03011	707-99-78620
	Arm	21N-63-03031	707-99-69620
	Bucket	21N-63-03051	707-99-77250
	Bottom dump	21N-63-03072	707-99-56310
PC1000SE-1 PC1000SP-1 (10001-)	Boom	21N-63-02011	707-99-78620
	Arm	21N-63-02031	707-99-89200
	Bucket	21N-63-02060	707-99-78630
PC1100-6 B/H (10001-)	Boom	21N-63-02302	707-99-78700
	Arm	21N-63-02322	707-99-89220
	Bucket	21N-63-02332	707-99-67290
	Bucket	21N-63-02342	707-99-67290
PC1100SP-6 (10001-)	Boom	21N-63-02302	707-99-78700
	Arm	21N-63-02322	707-99-89220
	Bucket	21N-63-02351	707-99-67290
	Bucket	21N-63-02361	707-99-67290

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
PC1600-1 B/H (10001-)	Boom	21T-63-02150	707-99-87660
	Arm	21T-63-02130	707-99-85280
	Bucket	21T-63-02170	707-99-77330
PW150-1 (1284-)	Boom	20G-63-52102	707-98-37600
	Arm	20G-63-62100	707-98-47510
	Bucket	20G-63-72100	707-98-37610
	Steering	20G-63-22100	707-98-22010
	Outrigger	20G-63-12101	707-98-37500
PW210-1 (10035-)	Outrigger	20G-63-12201	707-98-37500
	Boom	205-63-59300	707-98-46270
	Boom	205-63-59400	707-98-46270
	Arm	205-63-69300	707-98-38551
	Bucket	205-63-72100	707-98-38551
	Steering	20K-63-02030	707-98-22430
Outrigger	20K-63-02010	707-98-45700	

Wheel loaders

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
WA30-5 (18970-)	Steering	362-63-02142	707-98-11170
	Lift	362-63-02120	707-98-14220
	Dump	362-63-02130	707-98-12300
WA50-3 (20642-)	Steering	42A-63-01031	707-98-13810
	Lift	42A-63-01010	707-98-24840
	Dump	42A-63-01020	707-98-24820
WA70-1 (1200-)	Steering	707-00-01300	707-99-03400
	Steering	707-00-01400	707-99-03400
	Lift	707-00-01000	707-99-24100
	Dump	707-00-01200	707-99-22100
WA100-1 (20001-)	Steering	707-00-60022	707-99-14200
	Steering	707-00-60012	707-99-14200
	Lift	707-00-10011	707-99-34100
	Lift	707-00-10021	707-99-34100
WA120-1 (10001-)	Dump	707-00-10031	707-99-32100
	Steering	707-00-60012	707-99-14200
	Steering	707-00-60022	707-99-14200
WA120-3 (50001-)	Lift	707-00-11320	707-99-37500
	Lift	707-00-11330	707-99-37500
	Dump	707-00-12140	707-99-41100
	Steering	707-00-60012	707-99-14200
WA120-3 (50001-)	Steering	707-00-60022	707-99-14200
	Lift	707-00-03010	707-99-34120
	Lift	707-00-03020	707-99-34120
	Dump	707-00-03211	707-99-32110
WA180-1 (10001-)	Steering	707-00-70410	707-99-15600
	Steering	707-00-70420	707-99-15600
	Lift	707-00-12081	707-99-43100
	Dump	707-01-13190	707-99-43500
WA180-3 (50001-)	Steering	707-00-60012	707-99-14200
	Steering	707-00-60022	707-99-14200
	Lift	707-00-03030	707-99-37510
	Lift	707-00-06130	707-99-37510
WA250-1 (10629-)	Dump	707-01-02310	707-99-43520
	Steering	707-00-01350	707-99-14600
	Lift	707-01-13520	707-99-43500
WA250-3 (50001-)	Dump	707-01-15030	707-99-53500
	Steering	707-00-01350	707-99-14600
	Lift	707-01-03151	707-99-43110
WA320-1 (20001-)	Dump	707-01-03251	707-99-43520
	Steering	707-00-01380	707-99-14610
	Lift	707-01-03510	707-99-54100
Dump	707-01-03710	707-99-62020	

Wheel loaders

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
WA320-3 (50001-52999) (53001-)	Steering	707-00-01350	707-99-14610
	Lift	707-01-03510	707-99-54100
	Dump	707-01-03720	707-99-62020
	Steering	707-00-01350	707-99-14610
	Lift	707-01-03510	707-99-54100
WA320-3 CUSTOM (50001-)	Dump	707-01-02550	707-99-62020
	Steering	707-00-01350	707-99-14610
	Lift	707-01-03510	707-99-54100
WA380-1 (20001-)	Dump	707-01-02550	707-99-62020
	Steering	707-00-01800	707-99-24120
	Lift	707-01-01080	707-99-64040
WA380-3 (50001-)	Dump	707-01-03700	707-99-64010
	Steering	707-00-01800	707-99-24120
	Lift	707-01-01080	707-99-64040
WA420-1 (20001-)	Dump	707-01-03290	707-99-64410
	Steering	707-00-01820	707-99-24510
	Lift	707-01-01070	707-99-66010
	Dump	707-01-03271	707-99-73020
WA420-3 (50001-52999) (53001-)	Steering	707-00-01820	707-99-24510
	Lift	707-01-03081	707-99-64030
	Dump	707-01-03272	707-99-73020
	Steering	707-00-01820	707-99-24510
	Lift	707-01-03081	707-99-64030
WA470-1 (20001-)	Dump	707-01-02570	707-99-73020
	Steering	707-00-01840	707-99-32110
	Steering	707-00-01940	707-99-32110
	Lift	707-01-03050	707-99-65400
WA470-3 (50001-52999) (53001-)	Dump	707-01-03250	707-99-73020
	Steering	707-00-01840	707-99-32110
	Steering	707-00-01940	707-99-32110
	Lift	707-01-03150	707-99-65400
	Dump	707-01-03251	707-99-73020
	Steering	707-00-08741	707-99-32110
	Steering	707-00-08751	707-99-32110
	Lift	707-01-08621	707-99-65400
WA500-1 (20001-)	Dump	707-01-08691	707-99-73020
	Steering	707-00-01950	707-99-34510
	Steering	707-00-01850	707-99-34510
	Lift	707-01-01040	707-99-74010
WA500-3 (50001-)	Dump	707-01-01241	707-99-75420
	Steering	707-00-03852	707-99-34550
	Steering	707-00-03952	707-99-34550
	Lift	707-01-03041	707-99-74120
WA600-1 (10001-11463)	Dump	707-01-03242	707-99-75450
	Steering	707-01-13071	707-99-43500
	Steering	707-00-13081	707-99-43500
	Lift	707-01-22111	707-99-75410
WA600-1 (11464-)	Dump	707-01-28015	707-99-84400
	Steering	707-01-13072	707-99-43570
	Steering	707-00-13082	707-99-43570
	Lift	707-01-22112	707-99-75440
WA600-3 (50001-)	Dump	707-01-28016	707-99-84440
	Steering	707-00-03061	707-99-43590
	Lift	707-01-03030	707-99-75450
WA700-1 (10001-)	Dump	707-01-03231	707-99-84450
	Steering	707-01-01320	707-99-46620
	Steering	707-01-01420	707-99-46620
	Lift	707-01-01020	707-99-77600
WA700-3 (50001-)	Dump	707-01-01220	707-99-86600
	Steering	707-01-01320	707-99-46620
	Steering	707-01-01420	707-99-46620
	Lift	707-01-01020	707-99-77600
	Dump	707-01-01220	707-99-86600

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
WA800-2 (10501-)	Steering	707-01-16181	707-99-66210
	Steering	707-01-16191	707-99-66210
	Lift	707-01-01010	707-99-85900
	Dump	707-01-03210	707-99-96200
WA800-3 (50001-)	Steering	707-01-16181	707-99-66210
	Steering	707-01-16191	707-99-66210
	Lift	707-01-03011	707-99-85900
WA900-1 (10001-)	Dump	707-01-03210	707-99-96200
	Steering	707-01-16181	707-99-66210
	Steering	707-01-16191	707-99-66210
WA900-3 (50001-)	Lift	707-01-01010	707-99-85900
	Dump	707-01-03210	707-99-96200
	Steering	707-01-16181	707-99-66210
	Steering	707-01-16191	707-99-66210
	Lift	707-01-03011	707-99-85900
	Dump	707-01-03212	707-99-96200

Motor graders

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
GD725A-1 (50001-)	Steering	23C-63-72101	707-98-05410
	Leaning	23C-63-53101	707-98-24410
	Articulate	23C-63-63101	707-98-34410
	Drawbar shift	23C-63-23101	707-98-26450
	Blade lift	23C-63-13101	707-98-26450
	Blade side shift	23C-63-43101	707-98-26641
	Power tilt	23C-63-28101	707-98-33010
	Scarifier	23C-63-32100	707-98-26430
	GD825A-2 (11001-)	Steering	235-63-76400
Leaning		235-63-53100	707-98-24580
Articulate		235-63-63000	707-98-41110
Drawbar shift		235-63-22000	707-98-35110
Blade shift		235-63-16100	707-98-36230
Blade side shift		235-63-42000	707-98-36140
Power tilt		235-63-28000	707-98-42100
Ripper		235-63-25200	707-98-52100

Seals and hoses

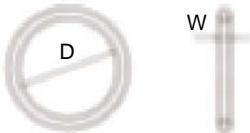
Dump trucks

Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
HA250-3 (303001-)	Hoist	BW055357	BW055361
	Steering	BW055284	BW055275
HA270-3 (313001-)	Hoist	BW055357	BW055361
	Steering	BW055284	BW055275
HD205-3 (1003-1369) (1370-) (1003-)	Hoist	567-63-42101	707-99-59100
	Hoist	567-63-02120	707-99-59100
	Steering	567-63-12600	707-98-14200
HD255-5 (10001-)	Hoist	567-63-02021	707-99-59100
	Steering	567-63-02030	707-98-14300
HD325-6 (5001-)	Hoist	566-63-62001	707-99-47110
	Steering	566-63-61100	707-98-25920
HD465-5 (4001-)	Hoist	569-63-62100	707-99-73800
	Steering	569-63-61100	707-98-26900
HD785-3 (2001-)	Hoist	561-63-62101	707-99-79400
	Steering	561-63-61102	707-98-37570
HD785-5 (4001-)	Hoist	561-63-62101	707-99-79400
	Steering	561-63-61102	707-98-37570
HD985-3 (1001-)	Hoist	561-63-62102	707-99-79400
	Steering	585-63-11100	707-98-37570
HD985-3 (1021-)	Hoist	561-63-62102	707-99-79400
	Steering	585-63-11100	707-98-37570
HD1200M-1 (1130-)	Hoist	581-63-22103	581-63-05520
	Steering	562-63-12300	581-63-05510
	Tail gate	566-63-41001	707-98-33100

Trash compactor

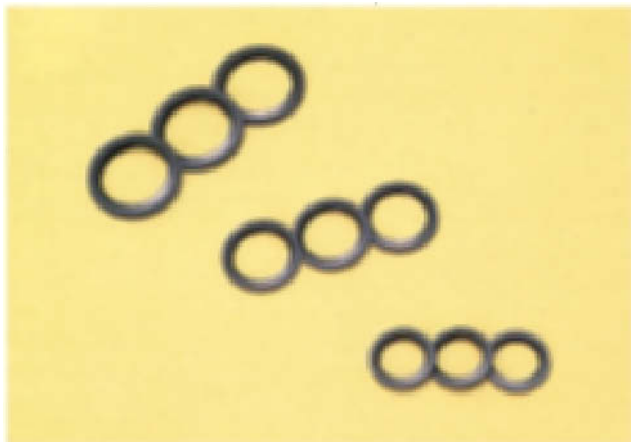
Model (Serial No.)	Hydraulic cylinder ass'y		Kit Part No.
	Application	Part No.	
WF600T-1 (10001-)	Steering	707-00-02230	707-98-41160
	Steering	707-00-02240	707-98-41160
	Lift	707-01-02310	707-98-54120
	Tilt	707-01-02320	707-98-52150

2. O-rings



Available size	
Diameter (D)	Thickness (W)
2.8 - 499.4 mm	1.78 - 6.9 mm

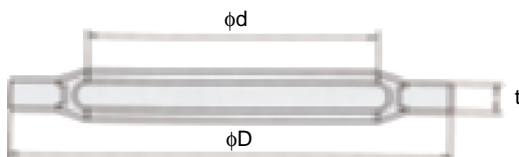
3. Seal Washers



These are mainly used for the joints of hoses in the fuel system.

Operating pressure: Max. 20kg/cm²

Operating temperature range: -60 to +120°C



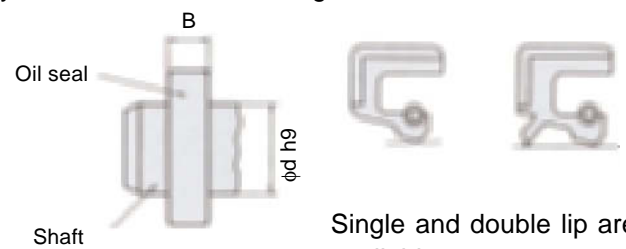
Available size	
Diameter (φd)	Thickness (t)
5.8 - 29.75 mm	1.2 - 1.6 mm

4. Oil Seals



These are used to prevent oil from leaking around rotating shafts.

They cannot be used on sliding surfaces.



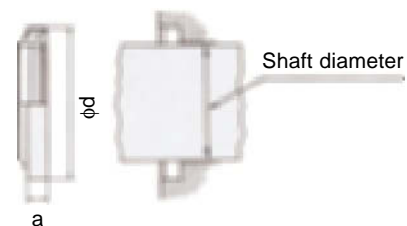
Single and double lip are available

Available size	
Diameter (φd)	Thickness (B)
20 - 150 mm	10 - 14 mm

5. Dust Seals



These are used to prevent dust from entering around sliding shafts.

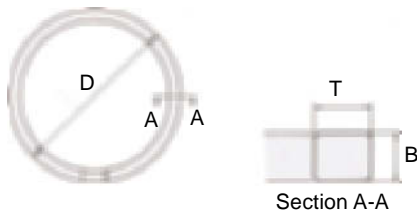


Available size		
Diameter (φd)	Thickness (t)	Shaft diameter
32 - 255 mm	6 - 12 mm	20 - 230 mm

6. Seal Rings



These are used to prevent oil from leaking around rotating shafts.



Available size		
Diameter (D)	Width (T)	Height (B)
25 - 200 mm	1.2 - 6.8 mm	2.5 - 6 mm

8. Hose Clamps



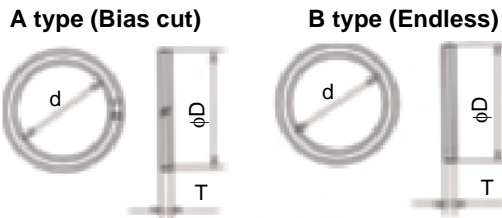
These clamps are used when clamping low pressure hoses, fuel level tubes, air hoses, engine water hoses, and radiator hoses which require high reliability.

Available size	
Applicable hose diameter	
9.5 - 12 to 285 - 320 mm	

7. Back-up Rings

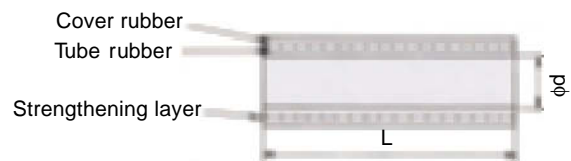


These are mainly installed together with O-rings, and are used to prevent the O-ring from protruding or twisting.



Available size		
Diameter (d)	Thickness (T)	Diameter (φD)
5 - 300 mm	1.25 - 1.9 mm	8 - 310 mm

9. Low Pressure Hoses

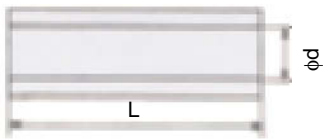


Available size	
Diameter (φd)	Length (L)
9.5 - 101.6 mm	60 - 900 mm

10. Water Hoses

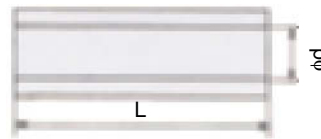


These parts are used as the engine breather hose and water drain hoses.



Available size	
Diameter (φd)	Length (L)
8 - 26 mm	60 - 900 mm

12. Fuel Spill Hoses

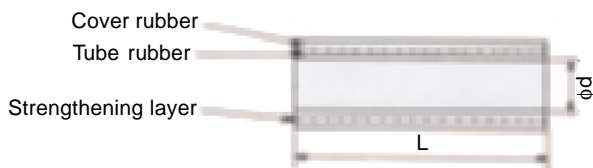


Available size	
Diameter (φd)	Length (L)
3.5 - 15.0 mm	90 - 4700 mm

11. Fuel Hoses



These hoses are used as fuel hoses.

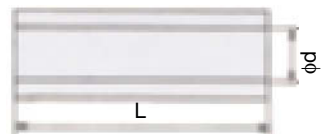


Available size	
Diameter (φd)	Length (L)
7 - 10 mm	300 - 3800 mm

13. Air Hoses



There are used mainly for compressed air. They must never be used for fuel piping.



Available size	
Diameter (φd)	Length (L)
4.57 - 9.56 mm	100 - 9900 mm

14. Weather Strips



This is used to maintain the sealing of the cab.



Sectional view

Available size		
Length	Glass thickness	Applicable panel thickness
150 - 550 mm	5 - 6 mm	1.2 - 3.2 mm



Sectional view

Available size	
Length	Applicable panel thickness
25 - 300 mm	2.3 mm

15. Hydraulic Hoses (Parker) Introducing the **KOMATSU** Distributor Hose & Fitting Program

Designed specifically for Komatsu Distributors, the Program provides total hose assembly capability, eliminates the need to stock "Factory" hose assemblies and permits the creation of special hose assemblies for unique equipment applications where service parts do not exist.

The Program also provides Komatsu Distributors with access to a complete selection of hydraulic and pneumatic components to service users of construction, material handling and agricultural equipment.

The Komatsu Distributor Product Selection includes:

Hoses

A complete selection of SAE Hose types



SAE 100 R1T



SAE 100 R2AT



High Performance
SAE 100 R2AT



SAE 100 R9AT



SAE 100 R12

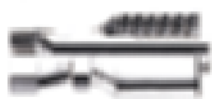


SAE 100 R4



SAE 100 R3

Hose Fittings



Komatsu Swivels



37° JIC



Male Pipe



SAE Straight Thread
O-Ring



Komatsu Flanges

Crimping Machines



Parkrimp 1
Size Range: 1/4" to 1 1/4"



Karrykrimp
Portable Crimper
Size Range: 1/4" to 1 1/4"



Parkrimp 2
Size Range: 1/4" to 2"
Includes 4 heavy spiral

Adapters and Accessories



Straight Thread



37° JIC



Pipe Swivel



Bent Tube

How the **KOMATSU** Distributor Hose and Fittings Program Benefits YOU

\$ Lower inventory Costs

The Program eliminates the need to stock most ready made assemblies. Instead, you need stock only a minimum of hose and fittings to make hundreds of assemblies thereby saving space and cash.

\$ Increased Profits

Since you supply the parts & labor to make the assembly, you make the profit.

\$ Enhanced Service

Your Customers will appreciate the quick “turnaround” time in servicing their replacement hose assembly requirements.

\$ Increased Sales

Complete product selection allows you to expand your replacement service parts business.

The **KOMATSU** Distributor Hose & Fittings Program Features

☑ “State of the Art,” Parker Hannifin Field Crimping Equipment

Simple, easy to operate, no special skills required. Fast, easy set-up, no gauging or variable machine adjustments required. Positive crimping for a perfect hose assembly every time! Factory approved, quality as good or better than ready-made assemblies.

☑ Parker No-Skive Hose and Fittings

Factory “Quality” demands “metal to metal” gripping action for long life and superior performance. Parker’s unique No-Skive design eliminates skiving (removal of the hose cover) for ALL hoses including super high pressure spiral hose. The No-Skive, “through the cover” design features tapered steel teeth that grip the wire reinforcement, just like factory crimped assemblies.

☑ Komatsu Factory Interchange Information

Distributor reference data indicates Komatsu part numbers cross referenced to component parts for easy make-up of hose assemblies.

Example

Komatsu Part No.	Parker Fitting 1	Parker Fitting 2	Hose Cut	
			Parker Hose Length (in.)	
198-49-14840	IKU71-24-24	IK971-24-24	301-24	12.34

☑ Hose Adapters

A complete size range of Parker hose and adapters.

☑ Generous Crimper Trade-In Allowances

Trade-In a comparable competitive crimping machine and you can qualify for a brand new Parker Crimper with a generous trade-in allowance.

☑ Stock Adjustment Allowance

Liberal first year allowance on exchange of obsolete or slow moving Parker hose fittings and adapters.

☑ Reference Material

Complete catalogs on hose, hose fittings, crimpers and a special guide on setting up a hose assembly area.

☑ Training

Parker Hannifin Sales Engineers will conduct training seminars to familiarize your personnel with the equipment and products.

☑ Warranty

All products are covered by standard Parker Hannifin Warranty.

6. Connector Repair KIT

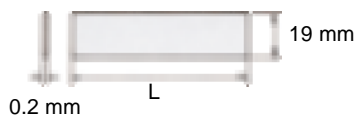


Part No. 790-222-2001
See page 90

7. Electrical Tapes



These are mainly used for insulating and repairing electrical parts.



Available size	
Length (L)	Color
10 - 20 m	Black, white

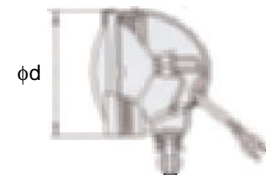
8. Electrical Switches

There are many types of Komatsu genuine switches available, such as push type, pull type, or lever type. They are used for lamps, accessories, measuring pressure, and other purposes.

The most suitable switch can be selected for the location of use.

Refer to the parts book for switch part numbers or confirm with your Komatsu Distributor.

9. Head Lights (Round type)



d (mm)	Rated voltage (V)	Rated capacity (W)	Part No.	Applicable bulb
153.2	24	40	08120-32440	08113-02440
153.2	24	40	08120-42440	08113-02440
153.2	24	80	08128-22400	08113-02480
153.2	24	80	08128-32400	
128	12	60	08125-01200	08107-01260
128	24	60	08125-02400	08107-02460

Safety and Efficiency Items

1. Yellow Beacon Lamps



A yellow beacon lamp is installed to wheeled construction equipment to ensure safety when carrying out road maintenance work.

Description	Part No.
Lamp ass'y	08154-12400
Bulb	08103-02460
Globe	08154-10003

2. Air and Electrical Horns



There are two types of horns: air type and electrical type. The airtype horn is mainly used on wheeled construction equipment.

• Air horn

Description	Part No.	Operating air pressure
Dual air horn	08168-00030	6 kg/cm ²

• Electrical horn

Rated voltage (V)	Ampere (A)	dB (C)	Hz	Part No.
12	3	113	415	08160-61200
24	1.5	108		08160-62400
		113		08160-62410
		350	08160-62420	
			415	08160-62430

3. Warning Buzzers



The alarm buzzer issues a warning when the engine stops or when there is any abnormality in the machine.

Rated voltage (V)	Ampere (A)	dB (C)	Hz	Part No.
24	0.1	Min. 90	700	08166-02470

4. Back-up Alarms



The backup alarm issues a sound when the lever is placed in the R position to warn people behind the machine, thereby ensuring safety when moving in reverse.

For wheel type machines

Volt range (V)	Ampere (A)	dB (A)	Hz	Part No.
12 to 36	Max. 10	L: 97 M: 107 H: 112	1300	08164-00000

For crawler type machines

Volt range (V)	Ampere (A)	dB (A)	Hz	Part No.
19.6 to 36.4	Max. 0.8	L: 97 M: 107 H: 112	1150 to 1350	08164-10000

5. Turn Signal Flashers



The turn signal flasher acts to make the turn signal lamp flash.

Volt range (V)	Rated capacity (W)	Lighting times/min	Part No.
11 to 15	49	75 to 95	08077-21201
22 to 30	78	75 to 95	08077-22401
22 to 30	50 to 100	60 to 120	08077-32400

The flasher of the **Part No. 22W-06-13251M** is used for WA100 to WA800 Wheel Loaders.

Lighting times/min: 60 to 120.

6. Reflectors



The reflectors are used to reflect light at the rear of the machine.

Temperature	Application	Part No.
-30 to +50°C	Gross machine weight: below 8t, max. payload: below 5t	08170-00000
-30 to +50°C	Gross machine weight: 8t and above, max. payload: 5t and above	08170-10000
-50 to +50°C	Gross machine weight: 8t and above, max. payload: 5t and above	08170-30000

7. Rear View Mirrors



This mirror is used to check the view to the rear. The mirror is installed to the outside of the machine.

Application model	Specification	Part No.
Wheel Loader	A: 307 C: 232	08174-33023
Motor Grader	A: 310 C: 236	08174-33124
Bulldozer	A: 316 C: 164	08174-10001
	A: 208 C: 108	08174-12111
Wheel Loader	A: 310 C: 160	08174-13117
	For cold weather	08174-23118
	A: 310 C: 160	08174-13116
	For cold weather	08174-23116

8. Mud Flaps









The mud flap is made of rubber, and is used as a mud-guard on dump trucks.

9. Control Knobs



These control knobs are installed to the control levers of various devices.



Application lever	Color	Control knobs	Length (mm)	Thread size (mm)	Part No.
Fuel, work equipment control	Black		45	12 x 1.5	09304-01250
Fuel control	Black		33	8 x 1.25	09304-00835
Parking brake	Red				09304-10835
Steering clutch	Black		123	14 x 1.5	09305-01400
Steering clutch	Black		125	14 x 1.5	09305-11400
T/M shift	Black		80	12 x 1.5	09304-01240
T/M shift lock	Red		65	8 x 1.25	09305-00800

10. Operator's Seats and Seat Belts



This seat is designed so that the operator can carry out work comfortably and safely. Adjustment can be made to the backrest angle, fore-and-aft position, and hardness of the cushion.

Application model	Seat ass'y Part No.	Seat belt Part No.
D65-12	14X-57-12000	09409-10001
D155A-2, D355A-3	195-57-11006	09409-10001
D375A-2	195-57-21231	09409-10001
PC200, 220-6	20Y-57-21101	09409-10001
PC650-5	205-57-00090	205-57-62140
WA600-1	423-57-11700	09409-10001
WA800-2	423-57-11700	09409-10001
GD625A-1C	23C-57-11100	09409-10001
GD825A-2	235-57-31200	09409-10001
HD325-6	566-57-61303	09409-10001

The above table is just one example, so for details of the part numbers of other models of operator's seats and seat belts, please contact your Komatsu Distributor.

11. Windshield Wiper Units



The windshield wiper is used to ensure that the operator can see properly to drive the machine and carry out operation safely when it is raining or snowing.

• Wiper motor

Torque	Rated volt (V)	Wiper Angle	Part No.
1 kgm	12	80 °	08180-01280
		80 °	08180-12480
	24	100 °	08180-02410
		110 °	08180-12411
1.3 kgm	24	80 °	08181-02480
		90 °	08181-02490
		80 °	08181-12480
		90 °	08181-12490

• Wiper arm

Torque	Length (mm)	Part No.
1 kgm	350	08184-20350
	400	08184-20400
	450	08184-20450
	500	08184-20500
	550	08184-20550
	400	08184-31400
1.3 kgm	400	08184-10400
	450	08184-10450
	500	08184-10500
	550	08184-10550

• Wiper blade

Length (mm)	Part No.
300	08185-00300
350	08185-00350
400	08185-00400

- It is possible to combine a wiper arm and wiper motor of the same torque.
- The wiper blades can all be used with the wiper arm.

12. Instrument Panel Guards



The instrument guard acts to protect the instrument panel of wheel loaders from rain or dust. It is used if the wheel loader is not equipped with an operator's cab.

Machine model	Part No.	Machine model	Part No.
WA70-1	-	WA300-1	419-U56-1110
WA100-1	416-978-1110	WA320-1	
WA120-1		WA350-1	
WA150-1		WA380-1	
WA180-1		WA400-1	
WA200-1		WA420-1	
WA250-1		-	
		WA470-1	
		WA500-1	
		WA600-1	

13. Radiator Cap with Lock



This radiator cap is fitted with an anti-vandalism lock and is available as an option in place of the above radiator cap.

Cap Part No.	07093-20000
Key Part No.	08086-10001

TR648

14. Fuel Caps with Lock



This fuel cap is fitted with a lock to prevent vandalism.

Diameter of screw	Part No.
90 mm	07091-10900
120 mm	07091-21200
Key part No.	08086-10001

15. Hydraulic Caps with Lock



This hydraulic cap is fitted with a lock to prevent vandalism.

Applicable	Part No.
Std.	07092-00000
For pressurized tanks	07092-01000
Key part No.	08086-10001

16. Vandalism Locks



This lock is to prevent vandalism.

It is used for the battery cover, tool box, or radiator filter cover.

Q'ty of lock	Q'ty of key	Part No.
1	2	09460-00000
2	2	09460-00002
3	2	09460-00003
4	2	09460-00004
5	2	09460-00005
6	2	09460-00006
7	2	09460-00007
8	2	09460-00008
9	2	09460-00009
10	2	09460-00010
11	2	09460-00011
12	2	09460-00012

17. Heater Unit



The heater unit is installed inside the operator's cab. It acts to heat the interior of the operator's cab so that the operator can work in comfort in winter or in cold areas.

Description	Part No.	Applicable hose inner dia. (mm)
Heater	09480-02400	-
Switch	09481-02400	
Valve	09482-10000	15.9
Valve	09482-20000	12.7
Connector	09484-00450	12.7
Connector	09484-00560	15.9

18. Emergency Steering Unit



Emergency steering is available as an option for dump trucks and wheel loaders. On dump trucks, when the engine stops, turn the switch on the instrument panel ON and an electric motor is actuated to operate the hydraulic pump. Hydraulic oil is sent to the steering cylinders, so the steering can be operated regardless of whether the machine is moving or stopped. On wheel loaders, if the engine stops when the machine is traveling, a hydraulic pump installed to the transmission is driven by the rotation of the wheels, and pressure oil is sent to the steering cylinder. This pump does not work if the machine is stopped.

The part number may differ according to the model and the serial number of your machines, so please confirm with your Komatsu Distributor.

Meters and Gauges

1. Monitor Panels



- The electronic vehicle monitoring system is a system to inform the operator of the condition of the machine. It consists of sensors installed in various parts of the machine, and observes the condition of the machine and processes the information speedily, then displays the condition on the monitor panel.
- The electronic vehicle monitoring system consists of the monitor panel, sensors, controller, warning buzzer, warning lamp and power source.
- Gauges can be supplied as individual parts.

Index No.	Product	Model	Part No.
q	Bulldozer Dozer Shovel	D135A-2	7831-61-2000
		D155A-2	7831-63-2000
		D155A-3	7831-68-1100
		D155AX-3	7831-68-2102
		D155AX-5	7831-68-3000
		D275A-2	7831-64-2001
		D375A-2	7831-64-2001
		D375A-3	7831-64-2001
		D475A-2	7831-64-2001
		D475A-3	7831-67-4000*2
			7831-64-4000*3
		D575A-2	7831-64-2001
		D66S-1	7861-01-1000
		w	Hydraulic Excavator
PC100-6	7824-70-4100		
PC120-6	7824-70-4100		
PC128US-2	7834-75-2002		
PC200-6	7824-72-4100		
PC220-6	7824-72-4100		
PC228USLC-1	7824-88-7001		
PC300, LC-5	7824-72-3100		
PC400, LC-5	7824-72-3100		
PC600-6	7834-76-5000		
PC650-5	7861-29-1100		
PC1000, LC-1	7831-76-2000		
PC1600-1	7831-79-2000		

Index No.	Product	Model	Part No.
e	Wheel Loader	WA250-1	7831-51-5000*1, 6000*1
		WA320-1	
		WA380-1	
		WA420-1	7831-51-5100*1, 6100*1
		WA470-1	
		WA500-1	
		WA600-1	
		WA700-1	
		WA800-2	
r	Motor Grader	GD525A-1C	7831-71-6100*1
		GD625A-1C	7831-71-6100*1
		GD725A-1	7831-71-6100*1
		GD825A-2	7861-51-1600*1 235-06-00010
t	Dump Truck	HD325-6	7831-32-2000
		HD465-5	7831-32-2000
		HD785-3	7831-32-2000

*1: Individual part

*2: With shoe slip control

*3: Without shoe slip control

For details, please contact your Komatsu Distributor.

2. Water Temperature Gauges



• Electrical type Part No. 08645-00000

• EL plate specification

Tube length (mm)	Part No.
1000	08645-11000
1200	08645-11200
1500	08645-11500
1700	08645-11700
2000	08645-12000
2500	08645-12500
3000	08645-13000
3500	08645-13500
4500	08645-14500

4. Oil Temperature Gauges



• Electrical type Part No. 08646-00000

• EL plate specification

Tube length (mm)	Part No.
1000	08646-11000
2000	08646-12000
2500	08646-12500
3000	08646-13000
4500	08646-14500

3. Ammeters



Current (A)	Part No.
30	08651-13000
50	08651-15000
30	08651-23000
50	08651-25000

5. Fuel Level Gauge



Part No. 08652-00000

6. Oil Pressure Gauges





Use	Part No.
Engine oil pressure	08653-01000
Priming pump pressure	08653-02000

8. Dust Indicators



These indicators inform that the air cleaner element is clogged.

•Type of dust indicator

Use of adapter	
Type A	Type B
	

	Part No.
A Type	08670-02001
B Type	08670-12001

7. Air Pressure Gauges



Pressure measurement range	Part No.
0 to 10 kg/cm ²	08654-11000
0 to 20 kg/cm ²	08654-02000

9. Speedometers and Flexible Cable



Applicable category	Part No.
0 to 50 km/h	08602-00500
0 to 80 km/h	08602-20800

Available flexible cable	
Length	Cable diameter
1200 - 5800 mm	3.1 - 5.0 mm

10. Tachometer and Flexible Cable



Part No. 08682-00000

Measurement range: 0 to 3000 rpm

Cable

Length (mm)	Wire diameter (mm)	Part No.
1100	3.1	08604-40011
1400		08604-40014
4000	4.0	08604-40040
2500	5.0	08604-45025
2800		08604-45028

11. Service Meters (Electrical)



Rated voltage (V)	Current (mA)	Part No.
24	-	08687-00000
12	Max. 30	08687-21201
12	Max. 30	08687-21203
24	Max. 30	08687-22401
24	Max. 30	08687-22403
12	Max. 30	08687-31203
24	Max. 30	08687-32401
24	Max. 30	08687-32403
24	Max. 30	417-06-15120

12. Service Meters (Mechanical)

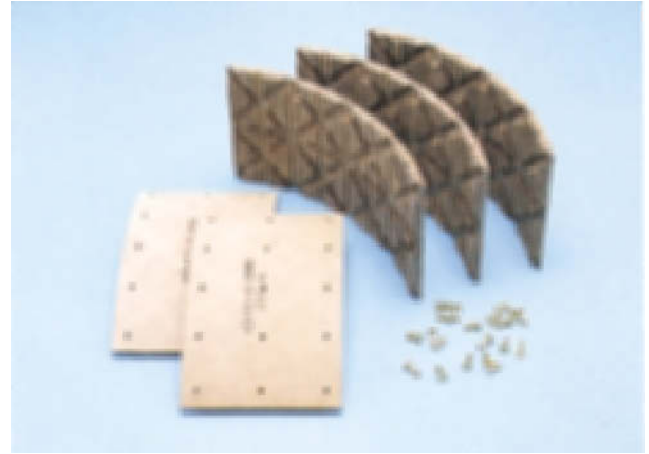


Type	Part No.
Facing up (Code 3) Hole for seal	08684-00342
	08684-00345
	08684-00348
45° facing up (Code 4) 	08684-00433
	08684-00439
	08684-00442
	08684-00445
	08684-00448
	08684-00451
	08684-00454
08684-00457	
Facing front (Code 5) Hole for seal	08684-00533
	08684-00536
	08684-00542
	08684-00545
	08684-00548
	08684-00557

Brakes

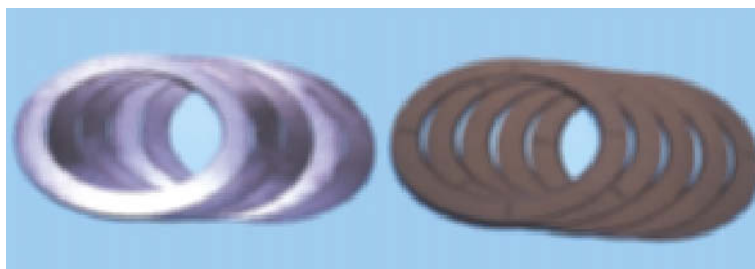
For brakes which ensures the safety of your operators and the protection of your vehicles, use genuine Komatsu brake replacement parts which have excellent heat, abrasion, and wear resistance.

1. Brake Bands, Linings and Rivets



Machine model	Brake band ass'y	Q'ty	Lining	Q'ty	Rivet	Q'ty
D20/D21-7	103-33-31321	2	103-33-31330	4	103-33-31160	64
D31-20	113-33-43112	2	113-33-05013	2	04412-00514	64
D37-5	113-33-43112	2	113-33-05013	2	04412-00514	64
D40/D41-3	120-33-31112	2	120-33-31131	14	04412-00512	112
D50/D53-17	130-33-72103	2	130-33-72122	10	04412-00512	120
D57S-1	135-33-31101	2	130-809-5223	20	04412-00512	120
D58-1	130-33-72103	2	130-33-72122	10	04412-00512	120
D75A-1	144-33-52111	2	144-33-51610	8	04412-00512	128
D75S-5	145-33-51200	2	145-33-51220	10	04412-00512	120
D85-21	154-33-13100	2	142-33-13110	12	04412-10511	120
D135A-2	15A-33-12100	1	15A-33-12110	20	04412-00514	168
	15A-33-12200	1	15A-33-12120	2		
			15A-33-12130	2		
D155A-2	175-33-00082	1	175-33-29310	2	04412-00514	198
	175-33-00092	1	175-33-29320	6		
			175-33-29330	2		
D155C-1	175-33-00021	2	170-33-12132	4	04412-00514	198
			178-33-12130	6		
D355A-3	195-33-12501	1	195-33-12531	20	04412-00518	260
	195-33-12601	1				
D355C-3	195-33-11303	2	195-33-11192	10	04412-00519	260
D355A-5	195-33-00100	1	195-33-11163	10	04412-00518	260
	195-33-00200	1				

2. Wet type Disc Brake (Discs and Plates)



Machine model	Disc Parts No.	Q'ty	Plate Parts No.	Q'ty	Plate Parts No.	Q'ty
D41-6	124-22-53260	4	124-22-53241	2		
D61-12	14Y-22-13140	10	14Y-22-13150	8		
D65-12	14Y-22-13140	10	14Y-22-13150	8		
D85E-SS-2A	14Y-22-13140	10	14Y-22-13150	8		
D155-3, 5	17A-22-11170	10	17A-22-12120	8		
D275A-2	17M-22-23320	16	17M-22-13281	14		
D375A-2	195-22-13341	18	195-22-13370	18		
D375A-3	195-22-13341	18	195-22-13370	18		
D475A-2	198-22-23371	18	198-22-23380	18		
D475A-3	198-22-23371	18	198-22-23380	18		
D575A-2	19M-22-11523	18	19M-22-11533	18		
HD205-3	425-33-11510	18	566-33-41230	12		
HD255-3	425-33-11510	14	566-33-41230	12		
HD325-6	425-33-11510	30	566-33-41230	28		
HD465-5	569-33-61240	22	561-33-61230	22		
HD785-3	569-33-61240	30	561-33-61230	28		
HD785-5	569-33-61240	30	561-33-61230	28		
HD985-3	569-33-61240	30	561-33-61230	28		
HD985-5	569-33-61240	30	561-33-61230	28		
GD525A-1C	232-25-11360	16	232-25-51430	20		
GD625A-1C	232-25-11360	20	232-25-51430	24		
GD725A-1	235-25-11360	20	232-25-51430	24		
GD825A-2	235-25-11360	32	232-25-51430	36		
WA30-5	714-09-16140	4	714-09-16130	4		
WA50-3	714-09-16140	4	714-09-16130	4		
WA70-1	415-33-11241	4	415-33-11250	4		
WA100-1	417-33-11290	4	417-33-11253	4	417-33-11262	4
WA120-1	417-33-11290	4	417-33-11253	4	417-33-11262	4
WA120-3	417-33-11290	4	417-33-11253	4	417-33-11262	4
WA180-1	418-33-11243	4	418-33-11251	4	418-33-11260	4
WA180-3	417-33-11290	4	417-33-11253	4	417-33-11263	4
WA250-1	418-33-11243	4	418-33-11251	4	418-33-11260	4
WA250-3	418-33-21240	4	418-33-21250	4	418-33-21260	4
WA320-1	419-33-11243	4	419-33-11252	4	419-33-11263	4
WA320-3	418-33-21340	8	419-33-21751	8	419-33-21760	4
WA320-3 CUSTOM	418-33-21340	8	419-33-21751	8	419-33-21760	4
WA380-1	235-25-11360	16	232-25-51430	24		
WA380-3	423-33-21240	8	423-33-21251	8	423-33-21261	4
WA420-1	235-25-11360	20	232-25-51430	24		
WA420-3	235-25-11360	20	232-25-51430	24		
WA470-1	235-25-11360	24	232-25-51430	28		
WA470-3	235-25-11360	24	232-25-51430	28		
WA500-1	566-33-41242	24	566-33-41230	28		
WA500-3	235-25-11360	32	232-25-51430	32		
WA600-1	425-33-11510	52	566-33-41230	56		
WA600-3	425-33-11510	36	566-33-41230	40		
WA700-1	428-33-11240	24	428-33-11250	28		
WA700-3	428-33-11240	24	428-33-11250	28		
WA800-2	569-33-61240	56	569-33-41230	60		
WA800-3	569-33-61240	56	569-33-41230	60		
WA900-1	569-33-61240	56	569-33-41230	60		
WA900-3	569-33-61240	56	569-33-41230	60		

3. Pads kit and Seal kit (Wheel Brake)



Dump trucks

Machine model	Wheel brake pad kit	Q'ty	Wheel brake seal kit	Q'ty
HA250-3	BW053866	16	BW054287	8
HA270-3	BW053866	16	BW054287	8
HD205-3	567-32-05110	2	567-32-05010	2
HD255-5	567-32-05120	2	567-32-05020	2
HD325-6	566-32-05221	2	566-32-05210	2
HD465-5	566-32-05221	4	566-32-05210	4
HD785-3	566-32-05221	4	566-32-05210	4
HD785-5	566-32-05221	4	566-32-05210	4
HD985-3	566-32-05221	4	566-32-05210	4
HD985-5	566-32-05221	4	566-32-05210	4

Hydraulic excavators

Machine model	Wheel brake pad kit	Q'ty	Wheel brake seal kit	Q'ty
PW30-1	MY265-4252	4	MY227-9890	4
PW60-3	20G-32-21312	2	20G-32-21221	2
PW100-3	20G-32-21312	2	20G-32-21221	2
PW150-1	20G-32-21312	3	20G-32-21221	6
PW210-1	20G-32-21312	3	20G-32-21221	6

4. Brake Shoes, Linings and Rivets (Wheel Brake)

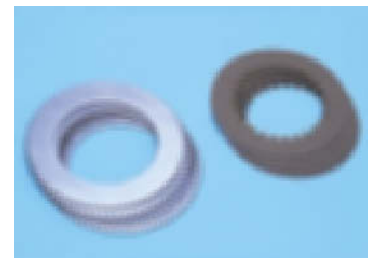


Motor Grader

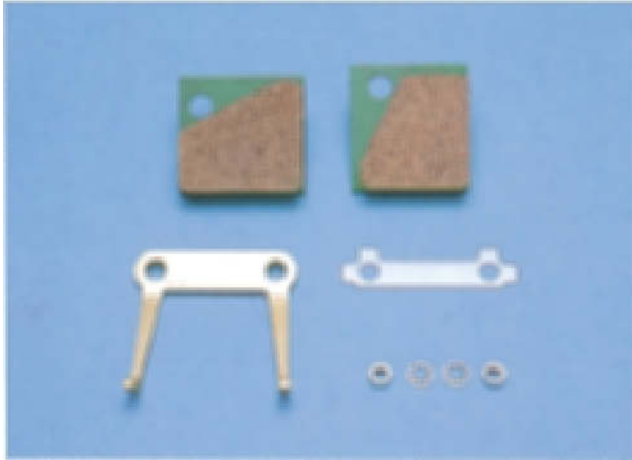
Machine model	Wheel brake shoe ass'y	Q'ty	Lining	Q'ty	Rivet	Q'ty
GD313A-1	23A-32-11230	8	233-32-21260	16	04412-00613	128
GD461A-1	23A-32-11230	8	233-32-21260	16	04412-00613	128
GD510R-1	23A-32-11230	8	233-32-21260	16	04412-00613	128
GD511A, R-1	23A-32-11230	8	233-32-21260	16	04412-00613	128
GD521A, R-1	23A-32-11230	8	233-32-21260	16	04412-00613	128
GD523A, R-1	23A-32-11230	8	233-32-21260	16	04412-00613	128
GD611A, R-1	23A-32-11230	8	233-32-21260	16	04412-00613	128
GD621A, R-1	23B-32-11000	8	232-32-56220	16	04412-00614	128
GD623A-1	23B-32-11000	8	232-32-56220	16	04412-00614	128
GD661A-1	23A-32-11230	8	233-32-21260	16	04412-00613	128

5. Brake Discs and Plates (Wet Type Parking Brake)

Machine model	Disc Parts No.	Q'ty	Plate Parts No.	Q'ty
WA120-3	714-12-12971	4	714-16-19730	5
WA180-3	714-12-12971	4	714-16-19730	5
WA250-3	714-07-12670	4	714-07-12680	5
WA320-3	714-07-12670	6	714-12-19730	7
WA320-3 CUSTOM	714-07-12670	4	714-07-12680	5
WA380-3	714-07-12670	8	714-12-19730	8
WA420-3	714-07-12670	9	714-12-19730	9
WA470-3	714-07-12670	10	714-12-19730	11
WA500-3	425-32-22670	8	425-32-22680	9



6. Pad kits (Parking Brake)



Dump trucks

Machine model	Parking brake pad kit	Q'ty
HA250-3	BW054937	1
HA270-3	BW054937	1
HD325-6	561-34-61110	2
HD465-5	561-34-61110	2
HD785-3	561-34-61110	2
HD785-5	561-34-61110	4
HD985-3	561-34-61110	4
HD985-5	561-34-61110	4

Motor graders

Machine model	Parking brake pad kit	Q'ty
GD825A-2	421-43-05110	1

Wheel loaders

Machine model	Parking brake pad kit	Q'ty
WA70-1	415-43-05110	1
WA100-1	419-43-05110	1
WA120-1	419-43-05110	1
WA180-1	419-43-05110	1
WA250-1	419-43-05110	1
WA320-1	419-43-05110	1
WA380-1	423-43-05120	1
WA420-1	421-43-05110	1
WA470-1	421-43-05110	1
WA500-1	425-32-15120	2
WA600-1	425-32-15120	2
WA600-3	425-32-15120	2
WA700-1	425-32-15120	4
WA700-3	425-32-15120	4
WA800-2	425-32-15120	4
WA800-3	425-32-15120	4
WA900-1	425-32-15120	4
WA900-3	425-32-15120	4

Trash compactors

Machine model	Parking brake pad kit	Q'ty
WF470T-1	421-43-05110	1
WF600T-1	425-32-15120	2

7. Brake Shoes (Parking Brake)



Dump trucks

Machine model	Parking brake shoe ass'y	Q'ty	Parking brake lining kit	Q'ty
HD205-3	565-33-13112	2	565-33-05011	1
HD255-5	565-33-13112	2	565-33-05011	1

Machine model	Lining	Q'ty
HD1200M-1	437-33-13130	4
HD1600M-1	437-33-13130	4

Motor graders

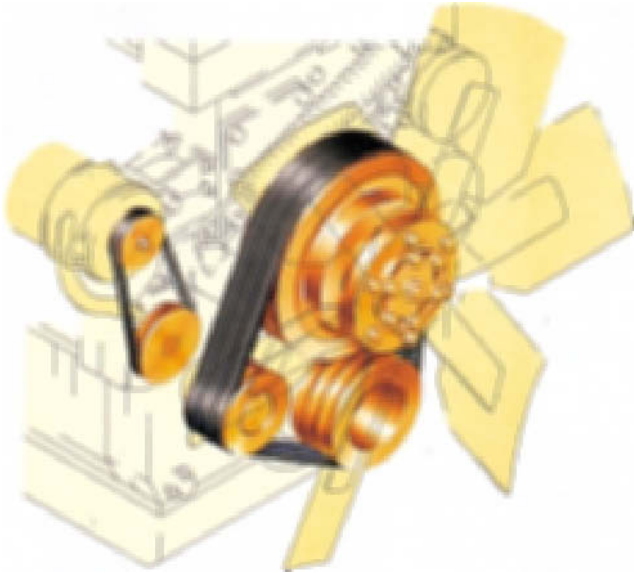
Machine model	Parking brake shoe ass'y	Q'ty
GD313A-1	23D-32-11120	2
GD461A-1	23D-32-11120	2
GD510R-1	232-32-53130	2
GD511A, R-1	232-32-53130	2
GD521A, R-1	232-32-53130	2
GD513A, R-1	232-32-53130	2
GD525A-1C	232-32-53130	2
GD611A, R-1	232-32-53130	2
GD621A, R-1	232-32-53130	2
GD623A-1	232-32-53130	2
GD625A-1C	232-32-53130	2
GD661A-1	232-32-53130	2
GD705A-4	234-32-11590	2
GD725A-1	234-32-11590	2

Hydraulic excavators

Machine model	Parking brake shoe ass'y	Q'ty
PW05-1	20L-34-11450	1
PW60-3	IJ9-46220-0160	2
PW100-3	23D-32-11120	2
PW150-1	IJ9-46220-0160	2
PW210-1	IJ9-46220-0160	2

V-belts

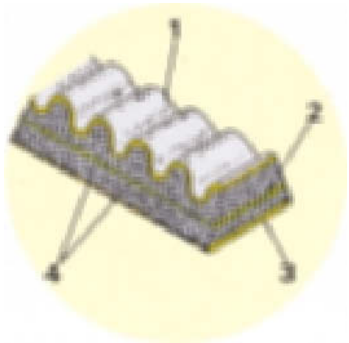
The V-belt is an important part used to transmit motive force from the engine to the fan, water pump, alternator and air conditioner compressor.



The properties demanded of the V-belt are as follows.

1. Sure transmission of motive force
2. Little stretching or expansion under tension
3. Excellent wear resistance

Komatsu genuine V-belts have the following excellent features and provide a long life.



1. The shape is a cog type to fit securely in the pulley groove and to give excellent effect in transmission of motive force.
2. The center layer is made of polyester fiber which is strong under tension, so the excellent resistance to stretching ensures that the V-belt has a long life.
3. The top skin and bottom skin are made of thick woven cotton which is strong against tension and stretching, so this ensures that the V-belt has a long life.
4. The rubber part is made of synthetic rubber with excellent resistance to wear.

■ If a deteriorated (stretched, worn, cracked) V-belt is used, it may cause overheating of the engine or improper charging of the battery.

Periodic inspection of the V-belt to keep your machine in top condition

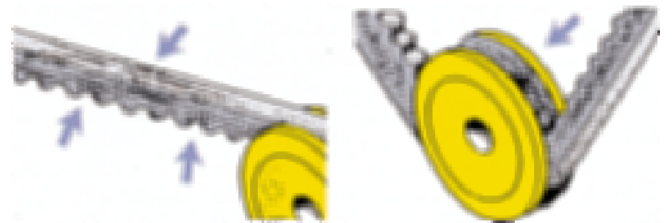
To extend the life of the V-belt, to prevent overheating or defective charging of the battery, and to keep your machine in good condition, it is necessary to carry out the following checks periodically.



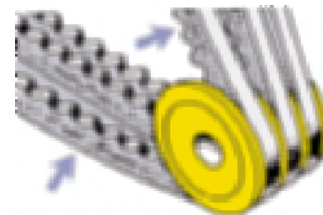
1. Check that the belt tension is within the standard range, and adjust the tension if necessary. Example of checking V-belt tension. Push the V-belt with a finger pressure of approx. 6 kg at a point midway between the fan pulley and tension pulley.

Measure the deflection of the V-belt when doing this to check that it is within the standard range.

★ The method for checking and adjusting the V-belt tension is different for each machine, so for details, see the operation and maintenance manual for that machine.



2. Check for any cracks, fraying, wear or other damage to the V-belt.
3. Check that the V-belt is not contacting the bottom of the pulley groove.



4. Check that there is no abnormal wear of the pulley groove caused by sand or dirt.

If these checks show that the V-belt is stretched beyond the adjustment range, or if it is cracked, frayed, or worn, replace the V-belt.

For double or triple V-belts, replace the complete set even if only one of the belts is damaged. This is necessary to prevent damage to the bearings, shaft, or pulley caused by eccentric load.

V-belts

Bulldozers

Remarks *1: For large capacity alternator *2: For water pump drive *3: EU, DYNAMIC *4: Chassis serial No.

Machine model	Engine model	V-belt for cooling fan		V-belt for alternator drive		V-belt for air conditioner	
		Parts No.	Engine serial No.	Parts No.	Engine serial No.	Parts No.	Machine serial No.
D20/D21-7	4D95S	04120-21747	124813-				
	4D94E	YM25132-004100	00101-				
D31-20	6D95L	6206-81-2610	96999-				
	S4D102E	6732-81-3450	26203202-	04120-21739*1	26203202-		
D37-5	6D95L	6206-81-2610	96999-				
	S4D102E	6732-81-3450	26203202-	04120-21739*1	26203202-		
D40/D41-3	6D105	04121-21755	15149-	04121-21758*1	15149-	04120-21735	6001-
D41-6	S6D102E	6732-81-3330	30707205-			04120-43096	B20001-
D50-17	6D125	04121-22269	10001-				
D53-17	6D125	04121-22268	10001-			04120-21754	80001-
	6D125E	04121-22267	64065-			04120-21754	83195-
D57S-1	S6D108	04121-21761	11731-	6221-61-3810*2	11731-		
D58-1	6D125	04121-22268	21811-			04120-21754	80588-
	6D125E	04121-22269	64065-			04120-21754	81424-
D61EX, PX-12	S6D114E	04121-22274	1001-*4	6732-81-3440	30456012-	04120-43120	1001-
D65E-12	6D125	04121-22271	51975-			04120-21754	60001-
	6D125E	04121-22272	61779-			04120-21754	60942-
D65EX12	S6D125	04121-22269	51976-			04120-21754	60001-
D65P/PX-12	S6D125E	04121-22271	66159-			04120-21754	60863-
D66S-1	SA6D110	04121-21762	50001-			04120-21759	1001-
D75A-1	S6D125	04121-22272	24781-				
D75S-5	S6D125	04121-22279	10001-			04120-21755	15001-
	S6D125E	04121-22278	64848-				
D85E-SS-2A	S6D125	04121-22269	51976-			04120-21754	2001-
	S6D125E	04121-22271	61659-			04120-21754	3034-
D85-21	S6D125	04121-22276	38637-	04120-21755	30432-	04120-21756	35001-
	S6D125E	04121-22277	60863-	04120-21755	60863-	04120-21756	36534-
D135A-2	S6D140	04121-22276	10001-	04120-21732	10001-	04120-21735	10301-
D155A-2	S6D155	04122-22564	52707-	600-736-9380	52707-	04120-21751	50001-
	SA6D140E	04122-22573	27560-	6212-85-6840	27560-	04120-21735	57001-
D155AX-5	SA6D140E	04121-22574	25887-	6212-85-6840	25887-	04120-21735	70001-
D155C-1	S6D155	04122-22564	25887-	600-736-9380	25887-		
D155-3	S6D140	04121-22572	20574-	600-736-9590	20574-	04120-21735	60001-
	SA6D140E	04121-22574	22537-	6212-85-6840	22537-	04120-21735	60272-
D275A-2	S6D170	04122-22577	14674-	04120-21933	14674-	04120-21748	10001-
	S6D170E	04122-22573	17358-	04120-21933	17358-	04120-21748	10001-
D355A-3	S6D155	04122-22564	26691-	600-736-9380	20338-	04120-21754	3301-
D355C-3	S6D155	04122-22564	31158-	600-736-9380	20338-	04120-21748	12262-
D375A-2	SA6D170	04122-22577	13551-	04120-21933	13551-	04120-21748	16001-
D375A-3	SA6D170E	04122-22576	17353-	04120-21933	17353-	04120-21748	17001-
		04122-22577*3					
D475A-2	SA12V140	-	-	04120-21748	10100-	04120-21748	10201-10354
						04120-21750	10355-
D475A-3	SD12V140	6215-61-3140	11797-	04120-21748	11797-	04120-21750	10601-
D475A-3 SD	SD12V140	6215-61-3140	11797-	04120-21748	11797-	04120-21750	10601-
D575A-2	SA12V170	6166-61-3880	10012-	04121-21945	10024-	04120-21733	10012-
D575A-2 SD	SA12V170	6166-61-3880	10012-	04121-21945	10024-	04120-21733	10012-

Motor graders

Machine model	Engine model	V-belt for cooling fan		V-belt for alternator drive		V-belt for air conditioner	
		Parts No.	Engine serial No.	Parts No.	Engine serial No.	Parts No.	Machine serial No.
GD313A-1	6D95L	04121-21754	35281-				
GD461A-1	S6D95L	04121-21754	24866-				
GD510R-1	S6D95L	04121-21754	27756-				
GD511-1	S6D95L	04121-21754	22170-				
GD521-1	S6D105	04121-21757	82137-				
GD523-1	S6D105	04121-21757	82137-				
GD525A-1C	S6D105	04121-21757	91468-			04120-21741	60001-
GD611-1	S6D105	04121-21757	91469-				
GD621-1	S6D105	04121-21757	81520-				
GD623A-1	6D125	04121-22263	19761-				
GD625A-1C	6D125	04121-22265	24453-			04120-21754	60001-
GD661A-1	S6D105	04121-21757	81519-				
GD705A-4	S6D125	04121-22266	10001-			04120-21754	21001-
GD725A-1	S6D125	04121-22268	25286-			04120-21754	50001-
GD825A-2	S6D140	04121-22570	17626-	600-736-9580	17626-	04120-21752	11001-
	S6D140E	04121-22570	23535-	6212-85-6840	23525-	04120-21752	11011-

Hydraulic excavators

Remarks *1: For large capacity alternator *2: For car cooler *3: Pulley 130 mm *4: Pulley 110 mm

Machine model	Engine model	V-belt for cooling fan		V-belt for alternator drive		V-belt for air conditioner	
		Parts No.	Engine serial No.	Parts No.	Engine serial No.	Parts No.	Machine serial No.
PC05-6F	KH80463	PK08109049	F10001-				
PC05-7	3D72	YM119640-42290	07992-				
	3D68E	YM119620-42291	00101-				
PC10-6F	KH80463	PK08109061	J1H57C				
PC10-7	3D78	YM119831-42290	00188-				
	3D74E	YM119640-42290	00101-				
PC12R-8	3D68E	YM119225-42290	03402-				
PC15-3	3D84	YM121492-42290	03157-				
	3D82E	YM119831-42290	00101-				
PC15R-8	3D68E	YM119225-42290	03402-				
PC20-6F	3D84	YM121492-42290	21861-				
PC20-7	3D84	YM121492-42290	03157-				
	3D82E	YM119831-42290	00101-				
PC20MRX-1	3D74E	YM119656-42290	00102-				
PC20R-8	3D74E	YM119640-42290	01327-	YM119656-42290*1	(10001-)	20N-979-8231	10001-
PC25-1	3D84/3D84E	YM119865-42290	03321-				
PC25R-8	3D82E	YM119831-42290	04840-			20P-979-8233	10001-
PC27R-8	3D82E	YM119831-42290	04840-			20P-979-8233	10001-
PC30-6F	3D84	YM121492-42290	21857-				
PC30-7	3D84/3D84E	YM119865-42290	03321-				
PC30MRX-1	3D84E	YM25132-00370	18941-				
PC30R-8	3D84E	YM25152-003800	11259-				
PC35R-8	3D84E	YM25152-003800	11259-				
PC40-6F	4D84	YM121236-42290	3902-				
PC40-7	4D84/4D84E	YM124732-42290	00101-				
PC40MRX-1	4D84E	YM129612-42290*3	06291-				
		YM129258-42290*4	7495-				
PC40R-8	4D84E	YM25152-003800	03508-			20U-979-2410	30001-
PC45-1	4D84/4D84E	YM119865-42290	00101-				
PC45R-8	4D84E	YM25152-003800	03508-			20U-979-2410	5001-
PC60-7	4D95L	04120-21745	157047-			04120-21742	45001-
	4D102E	6732-61-3960	2600282-				
	4D95LE-2	04120-21748	100008-				
PC100-6	S4D95L	04121-21746	143760-			04120-21746	40001-
	S4D102E	6732-81-3340	26200163-				
PC120-5K	1004-4TR	PK2614B558	U541468T-				
PC120/PC130-6	S4D95L	04120-21746	143760-			04120-21746	45001-
	S4D102E	6732-81-3340	26200163-				
PC128US-2	S4D102E	6732-61-4170	2624410-				

V-belts

Hydraulic excavators

Remarks *1: For large capacity alternator *2: For car cooler *3: Chassis No.

Machine model	Engine model	V-belt for cooling fan		V-belt for alternator drive		V-belt for air conditioner	
		Parts No.	Engine serial No.	Parts No.	Engine serial No.	Parts No.	Machine serial No.
PC150-5K	1004-4TR	PK2614B558	U541468T-				
PC180-5K	1006-6T	PK2614B658	U5130327-				
PC200/PC210-6	S6D95L	6209-61-2890	111868-			04120-21744	80001-96513
	S6D102E	04121-21744	262001318-	6732-81-3380	262001318-	04120-21739	96514-
PC210-5K	1006-6T	PK2614B656	U514645U-	PK2614B656	U514645U-		
PC220/PC230-6	SA6D95L	6209-61-2890	111870-			04120-21744	50001-52740
	SA6D102E	04121-21745	26201322-	6732-81-3380	26201322-	04120-21739	52741-
PC228USLC-1	S6D102E	6732-81-3440	26228519-			04120-21747	11001-
PC240-5K	1006-6T	PK2614B656	U515135U-	PK2614B656	U515135U-		
PC300-5	SA6D108	6222-61-3810	10001-	6222-61-3710	10001-	04120-21747	20001-22629
						207-978-5150	22630-
PC300-5K	SA6D108	6222-61-3810	10001-	6222-61-3710	10001-	04120-21747	20001-
						207-978-5150*2	22630-
PC300/PC350-6	SAA6D108E	6222-63-3820	19030-	6222-61-3710	19030-	207-978-5150	30001-32999
						04120-21739	33001-
PC400-5	S6D125	04121-22262	35323-			04120-21754	20001-20336
						04120-21756	20367-21250
						208-978-5150	21251-
PC400/PC450-6	SA6D125E	04121-22261	60721-			208-978-5150	30001-31999
						04120-21756	32001-
PC600-6	N14-C420	CU3098753	10001-*3	CU3084037	10001-*3	04120-43106	10001-
PC650/PC710-5	SA6D140	04122-22564	17339-21477	600-736-9580	17339-	04120-21735	20001-
		600-736-9640	21478-				
PC750/PC800-6	SAA6D140E	600-736-9650	22885-	6212-85-6840	22653-	04120-21736	10001-
PC1000-1	SA6D170	04122-22574	11763-	04120-21933	11763-	04120-21739	10001-10274
						04120-21743	10275-
PC1000SP-1	SA6D170	04122-22572	17220-	04120-21933	11763-	04120-21743	10275-
PC1100-6	SAA6D170E	04122-22569	18553-	04120-21933	18553-	04120-21743	10001-
PC1600-1	SA6D140	04122-22564	11397-	600-736-9580	11397-	04120-21738	10001-10058
						04120-21735	10059-
PC1600SP-1	SA6D140	600-736-9640	23933-	6212-85-6840	23933-	04120-21735	10059-
PW30-1	3D84	YM121522-42290	19229-				
PW60-3	4D95L	04120-21751	16084-				
PW100-3	S6D95L	04120-21751	36830-			04120-21744*2	1862-
PW150-1	6D95L	04121-21753	10001-				
PW210-1	S6D105	04120-21748	86432-			04120-21742	10001-

Wheel Loaders

Machine model	Engine model	V-belt for cooling fan		V-belt for alternator drive		V-belt for air conditioner	
		Parts No.	Engine serial No.	Parts No.	Engine serial No.	Parts No.	Machine serial No.
WA30-5	3D84E	YM25312-003900	03304-				
WA50-3	S3D84E	YM25312-003900	03081-				
WA70-1	4D95L	04120-40116	70252-				
WA100-1	6D95L	04120-21750	10001-				
WA120-1	6D95L	04120-21750	26324-				
WA120-3	6D95L	04121-21754	110730-			04120-21741	50001-
	S4D102E	6732-81-3420	26200912-			04120-21742	53001-
WA180-1	S6D95L	04120-21750	26330-				
WA180-3	S6D95L	04121-21756	137124-			04120-21741	50001-
	S6D102E	6732-81-3430	26206782-			04120-21742	53001-
WA250-1	6D105	04120-21757	92938-			04120-21746	10001-
WA250-1H	6BT5.9	CU3911566	21100258-				
WA250-3	S6D95L	04121-21756	137124-			04120-21741	50001-
	S6D102E	6732-81-3480	26222494-			04120-21742	53001-
WA320-1	S6D105	04120-21757	92247-			04120-21746	20001-
WA320-3	S6D108	04121-22265	19433-22547			04120-21747	50001-
		04127-22266	22548-				
WA320-3 Custom	S6D102E	6732-61-3870	26200467-				
WA380-1	SA6D110	04121-21763	54352-			04120-21746	10001-
WA380-3	S6D108	04121-22264	20118-			04120-21747	50001-
WA420-1	SA6D110	04121-21759	54110-			04120-21746	20001-
WA420-1H	6CTA23	CU3911580	21067442-				
WA420-3	SA6D108	04121-22264	19467-			04120-21747	50001-
WA470-1	S6D125	04121-22268	26750-				
WA470-3	S6D125	04121-22268	64185-			04120-21756	50001-
WA500-1	S6D140	04121-22564	10001-	600-736-9580	16753-	04120-21733	10001-
WA500-3	S6D140E	04121-22563	23227-	6212-85-6840	23227-	04120-21761	50001-
WA600-1	S6D170	04122-22570	10490-	04120-21933	10490-	04120-21738	11342-
WA600-3	SA6D170E	04122-22574	18669-	04120-21933	18669-	04120-21761	50001-
WA700-1	SA6D170	04122-22572	13144-	04120-21933	13144-	04120-21738	10001-
WA700-3	SAA6D170E	04122-22572	17461-	04120-21933	17461-	04120-21738	50001-
WA800-2	SA12V140	6215-61-3690	100038	04120-21748	10002-	04120-21748	10501-
WA800-3	SA12V140	6215-61-3690	11640-	04120-21748	11755-	04120-21748	50001-
WA900-1	SA12V140	6215-61-3690	10038-	04120-21748	10002-	04120-21748	10001-
WA900-3	SA12V140	6215-61-3690	11640-	04120-21748	11755-	04120-21748	50001-

Dump Trucks

Machine model	Engine model	V-belt for cooling fan		V-belt for alternator drive		V-belt for air conditioner	
		Parts No.	Engine serial No.	Parts No.	Engine serial No.	Parts No.	Machine serial No.
HA250-3	S6D125	04121-22258	50994-			BW057642	303001-
HA270-3	S6D125	04121-22258	50994-			BW057642	313001-
HD205-3	S6D125	04121-22269	16790-			04120-21756	1003-2083
						04120-21757	2084-
HD255-5	SA6D125E	04121-22271	67604-			04120-21758	1001-
HD325-6	SA6D140	04121-22565	17983-	600-736-9580	17983-	04120-21730	5001-5484
						04120-21731	5485-
HD465-5	SAA6D140E	04121-22655	22653-	6212-85-6840	22653-	04120-21731	5680-
						04120-21739	4001-4191
HD465-5	SA6D170	04122-22570	14203-	04120-21933	14203-	04120-21742	4292-
						04120-21742	4407-
HD785-3	SA12V140	6215-61-3690	10034-	04120-21748	10037-	04120-21748	2001-
HD785-5	SA12V140	6215-61-3690	11640-	04120-21951	11640-	04120-21748	4001-
HD985-3	SA12V140	6215-61-3690	10034-	04120-21748	10909-	04120-21748	1001-
HD985-5	SA12V140	6215-61-3690	11640-	04120-21748	11640-	04120-21748	1021-
HD1200M-1	SA12V170	6166-61-6910	10001-	04120-21939	10001-		