

**SEM655D
WHEEL LOADER
PARTS
REFERENCE
GUIDE**



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MAINTENANCE PARTS

Proactive preventative maintenance extends the life of your machine and protects your investment. Only SEM knows our equipment’s filtration and lubrication requirements and offers parts kits to match your machine’s maintenance cycles.

Filters

Proper filter minimizes the need for repair and replacement. The use of genuine SEM filters help maximize machine performance and maintain high resale value.

- High filtration efficiency with high-quality filter material
- Equipment performance optimization and component life maximization
- Longer service life, maximum protection, and minimal owning & operating costs

655D Stage II	Initial 50 Hours	Initial 100 Hours		Initial 250 Hours		Every 250 Hours					Every 1000 Hours			
Parts Category	Engine Oil Filter	Transmission Filter	Transmission Hose Filter	Hydraulic Oil Return Filter	Hydraulic Filter	Air Filter	Engine Oil Filter	Primary Fuel Filter	Primary Fuel Filter	Secondary Fuel Filter	Transmission Filter	Transmission Hose Filter	Hydraulic Oil Return Filter	Hydraulic Filter
Original	5402611	5238449	5272018	5228468	5185260	5184406	5402611	5651155	5203015	5712316	5238449	5272018	5228468	5185260
SEM SELECT	6086004	/	6164702	/	/	6084776	6086004	5984190	5755162	5984189	/	6164702	/	/



Oil

Use Regulations: Use the specifications and types specified in the table below when adding or changing various oils in this machine, to ensure normal machine operation.



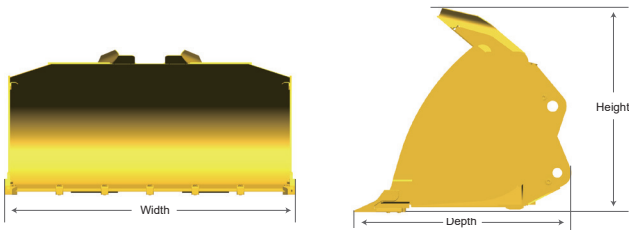
Use Position	Ambient Temperature	Lubricating Oil Specification	Remarks
Engine	-20°C~40°C	CH-4 SAE15W-40	Recommended oils: Contact SEM dealer to use designated Oil by Caterpillar(Qingzhou) Ltd.
	-20°C~40°C	CH-4 SAE10W-40	
	-30°C~40°C	CH-4 SAE10W-40	
	-35°C~40°C	CH-4 SAE0W-40	
Transmission	-25°C~40°C	8#Hydraulic drive oil	
	-35°C~40°C	SAE 0W-40	
Drive	-15°C~49°C	GL-5 85W-90	
	-25°C~49°C	GL-5 80W-90	
	-45°C~10°C	GL-5 75W-90	
Hydraulics	-5°C~40°C	L-HM 46	
	-26°C~40°C	L-HV 46	
	-35°C~40°C	SAE 0W-40	
Air booster pump	/	DOT4 or DOT3 brake oil that meets SAEJ703 standard	
Anti-freeze	/	YF-2 or YF-2A	
Fuel tank	5°C	0#	
	-14°C	-20#	
	-29°C	-25#	

655D Stage II	Initial 50 Hours	Initial 100 Hours	Initial 250 Hours	Every 250 Hours	Every 1000 Hours		Every 2000 Hours	Every 10000 Hours	When Needed
Oil Type	Engine Oil	Transmission Oil	Axle Gear Oil	Engine Oil	Transmission Oil	Axle Gear Oil	Hydraulic Oil	Antifreeze	Brake Oil
Replacement Volume/L	21	53	36*2	21	53	36*2	165	65	1.5*2

GROUND ENGAGING TOOLS

SEM can provide a variety of working tools with different GET parts to meet your different equipment operating conditions.

SEM can provide OE and SEM SELECT options including bucket teeth, tooth sleeves, blades, etc., by adding a variety of rare metals to form a special wear-resistant structure with excellent wear resistance and impact toughness. Excellent performance can effectively reduce downtime, thereby reducing operating costs and maintenance interval costs, and improving equipment productivity.



Name	New Orderable P/N	Old Orderable P/N	P/N in Price list	Capacity (m³)	Width (mm)	Depth (mm)	Height (mm)	Weight (Kg)	GET (Part with "*" have SEM SELECT Option)					Compatible Linkage/ Boom		
									Weld Cutting Edge	Cutting Edge	Left Teeth	Middle Teeth	Right Teeth	Standard	High Lift	U Shape
Standard Bucket-PS	6198884	5675517	5231449	2.7	2963	1500	1246	1345	*5231200	/	*5217298×1	*5217288×5	*5217297×1	●	●	/
Standard Bucket-PS	6198890	5651094	5394065	3	2963	1560	1304	1397	*5231200	/	*5217298×1	*5217288×5	*5217297×1	●	●	/
Standard Bucket-PPS	6198885	5651096	5231485	3	2963	1560	1468	1380	*5231200	/	*5217298×1	*5217288×5	*5217297×1	●	●	/
Rock Bucket	6198907	6033839	5605341	2.7	3058	1440	1259	1849	5229259	5229265×6	/	*5217267×7	/	●	●	/
Coal Bucket	6198931	5217227	5229415	4.5	3180	1500	1440	1606	5227025	/	/	/	/	/	/	●
Coal Bucket	6306555	5816752	5227036	4.5	3180	1655	1488	1872	5231129	5231130×4	/	/	/	●	●	/



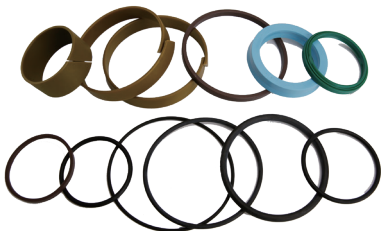
CYLINDER SEALS



Seals are an integral and vital part of any machine, they are effective in preventing the escape of gases, fuels and cooling lubricants, as well as the ingress of external contamination. As a single-use part, it must be replaced each time when removed from the devices. The types and specifications of gaskets and seals are various and complicated. So, it is a big challenge when do maintenance. Before starting maintenance, it is difficult to accurately judge the seal specifications you need, so SEM seal kits with will be your ideal choice, making your maintenance well-prepared and handy.

Machine applicable: Carefully designed and screened by the original factory, 100% meet all the sealing requirements of the parts required.

Extremely convenient: Sealing rings, oil seals, support rings and other sealing parts are packaged into a set, which contains all the seals required for maintenance, which completely solves the problems of large specifications and difficulty in finding seals for maintenance.

Excellent reliability: Using high-quality materials, the seals maintain a high level of wear resistance, heat resistance, oxidation resistance, corrosion resistance and water resistance. They have strong compression resistance, are not easy to deform, and are durable. The gasket has high hardness and strong impact resistance.



Cylinder &Seal Kit	Cylinder P/N	Seal Kit	SEM SELECT	Code	How to check your Cylinder & Kit P/Ns
Cylinder-Lift	5338019	5371480	/	08011 or D2817K0	<div>SEM may use differnert series of cylinders, so please check the code of your cylinder and select the right seal kit as the picture below.</div> <div></div> <div></div>
		6151098	/	01181 or A7737S0	
Cylinder-Tilt	5338032	5371494	/	08011 or D2817K0	
		5371439	6141582	01181 or A7737S0	
	6015269	/	6141582	01181 or A7737S0	
	5338039	5752735	/	01181 or A7737S0	
	5564820	5744669	/	01181 or A7737S0	
Cylinder-Steering	5363096	5806078	/	01181 or A7737S0	
		5364309	/	06013 or A7893R0	
	5431605	5819871	/	06013 or A7893R0	
		5363089	/	08011 or D2817K0	
	5227739	5370292	/	01181 or A7737S0	
Cylinder-Grab	5766861	6264318	/	01181 or A7737S0	
	5815215	5371336	6157288	01181 or A7737S0	
	5973181	6361796	/	01181 or A7737S0	
Cylinder-Side dump	5431638	6008889	/	01181 or A7737S0	
Cylinder-Grab	5227772	6106075	/	01181 or A7737S0	

ENGINE & DRIVE TRAIN PARTS

Axle and transmission parts work together to transmit power to the ground. Genuine SEM drive train parts, along with excellent maintenance and repair options, result in high productivity and low owning & operating costs. Our genuine drive train parts must endure:

- High strength and durability
- Incredible torque
- High impact loads
- Frequent direction and gear changes



Engine	Water Pump	Engine Oil Pump	Injector	Injector Pump	Piston Repair Kit	Alternator	Starter	Turbo Charger
Original	5279976	5371200	5231645	5279602	6022078	5804336	5894530	5280006
SEM Select	/	/	/	/	/	6111175	6111177	6185203

XMSN TC	Disc-Friction Drive	Disc-Friction Driven	Bearing GP-input Shaft	Bearing GP-2/ 4 Clutch	Bearing Gp-f, R, 1/ 3 Clutch	Seal GP-Xmsn	Seal GP-Clutch	Seal Kit Tc	Brake AS
Original	5694085 6031042 6118517	5238426 6118518	6006768	6006769	6006770	5998125	5998123	6306560	5386678

Axle	Braker Caliper Seal Kit	Reducer Seal Kit	Reducer Shim Kit	Axle Seal Kit	Gear GP Front	Gear GP Rear	Diff GP	Disc-Brake
SO28	6022106	6199479	6199480	6364292 6364293	5431595	5651131	5431603 6191470	5776737 6123959 - SLT
SO32	6022106	6199479	6199480	6364300	5707468	5707469	5431602	5776737 6123959 - SLT

