

**SEMPARTS**   
*Matched to your needs* 

**SEM 818F  
DOZER**

# PARTS REFERENCE GUIDE



# 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

Using the proper filter minimizes the need for repairs and replacements. Genuine SEM filters help maximize machine performance and maintain high resale value.

- High filtration efficiency with premium-quality filter materials
- Optimized equipment performance and extended component life
- Longer service life, superior protection, and reduced owning and operating costs

818F	Initial 50 hours	Every 250 hours		Every 500 hours		Every 1000 Hours	
Parts Category	Engine Oil Filter	Engine Oil Filter	Air Filter	Primary Fuel Filter	Secondary Fuel Filter	Transmission Filter 1	Transmission Filter 2
Original	5402611	5402611	5184406	5651155	5712316	5878467	6039195
SEM SELECT	6086004	6086004	6084776	5203012	5984189	/	/

SEM SELECT parts are developed using Caterpillar's product development and verification process. They incorporate cost-effective design solutions and coordinate with aftermarket components from trusted industry suppliers.

These parts offer reliability equivalent to original components and are recommended for use on machines beyond their warranty period to help reduce maintenance costs.



# Built for Performance

## Engineered for Reliability

At SEM, we are committed to delivering durable, high-performance solutions for heavy-duty applications. Our undercarriage systems are designed to withstand the toughest working conditions, offering exceptional wear resistance, impact toughness, and long service life. With a range of wear parts and OE/SEM SELECT options, we help reduce downtime, lower operating costs, and maximize productivity.

### SEM – Strength in Every Track

This undercarriage parts reference guide is designed to assist service personnel, parts managers, and technicians in identifying key components of the 818F undercarriage system. It includes essential part numbers and quantities for critical wear components such as track assemblies, rollers, idlers, and recoil mechanisms. This guide supports efficient maintenance planning and accurate parts ordering.

MODEL	SPEC	OLD/CURRENT	NEW
Standard	37Sections, 510mm SG GLT	5806005	/
	37Sections, 560mm SG GLT	5806006	/
	37Sections, 560mm SG SALT	/	6631150
	37Sections, 610mm SG GLT	6005956	/
Low Ground Pressure	42Sections, 950mm APEX GLT	5574250	/
	42Sections, 950mm APEX SALT	6302860	6476580
	42Sections,810mm SG GLT	6227740	/
	42Sections, 1100mm APEX SALT	6049216	6476582
Supervisor Low Ground Pressure	44Sections, 1100mm APEX SALT	6232513	6476584



# 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 P/N	Cylinder	Seal Kits	Type/operating condition
5988447	CYLINDER AS	6151088	/
5397301	CYLINDER GP-TILT	5651107	/
5988449	CYLINDER AS	6554407	Low Ground Pressure(LGP)
5994520	CYLINDER GP-TIGH	6528618	Standard, forest
5934379	CYLINDER GP-TIGH	6528618	LGP,Waste Handling,Desert
6011063	CYLINDER GP	6554393	/

# Engine & Powertrain Parts

The Weichai mechanical engine (SEM PN 6380041) with 7% increased power, offers classic durability and dependability.

	Engine	Water Pump	Oil pump	injector	Injector pump	Alternator	Starter	Turbo Charger
Original	6380041	5184291	5185334	5184261	5231566	5804336	5189528	5185195
SEM Select	/	/	/	/	/	6111175	/	/



The 818F adopts a dual-path hydrostatic drive system with electronic control, inherited from Caterpillar's 50 plus years of experience in hydrostatic TTT technology design and production, Compared to powershift machines, Caterpillar's proven hydrostatic transmission load-sensing system delivers heightened productivity.

SEM conduct rigorous testing and validation under real-world conditions, for improved operational stability and longevity of both components and the hydraulic system. Our efficient hydraulic fluid flow control improves service life, while our power density.

SEM Pump and Motor designed with exclusive features for enhanced performance, durability, and seamless integration in a highly refined, holistic hydraulic system.

Pump	Seal Kits	Module	Control	Relief Valve
5726964	6240710	5636129	5636128	5636137

Motor	Valve-Pressure	Valve-Solenoid
6298060	6555291	6209353

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