



F SERIES BACKHOE LOADER PARTS REFERENCE GUIDE

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» PROTECT YOUR INVESTMENT WITH GENUINE CAT® PARTS

Thank you for selecting the Cat® F Series Backhoe Loader.

This guide is designed to provide you with a quick reference for the parts and part numbers you need to keep your Cat Backhoe Loader running at peak efficiency.



MAINTENANCE

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

SCHEDULED MAINTENANCE PARTS	
	GREASES
	PLANNED MAINTENANCE KITS

REPLACEMENT PARTS

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

MINOR REPAIR PARTS	
	MIRRORS AND LIGHTS
	CAB GLASS
OCCASIONAL REPAIR PARTS	
	BATTERY
	ENGINE PARTS
	WEARPADS AND SHIMS

GREASES E and F Series

Previous Cat Product Name	STANDARD MAINTENANCE GREASES		
	Cat Ultra5 Moly #1	Cat Ultra5 Moly #2	Cat Advanced 3 Moly
Current Cat Product Name	Cat Extreme Application Grease 1	Cat Extreme Application Grease 2	Cat Prime Application Grease
Grade (NLGI)	1	2	2
Melting point (deg C)	>260	>260	260
Ambient Temperature (deg C)	-35 to +40	-30 to +50	-20 to +40
Base Oil Type	Mineral	Mineral	Mineral
Color	Dark Gray	Dark Gray	Dark Gray
Cartridge (390 g / 14 oz)	452-5996	452-6001	452-6006
Plastic Pail (5 kg / 11 lb)	—	—	—
Plastic Pail (16 kg / 35 lb)	452-5999	452-6004	452-6009
Keg (55 kg / 120 lb)	452-5998	452-6003	452-6008
Drum (180 kg / 400 lb)	452-5997	452-6002	452-6007



GREASES FOR UNIQUE APPLICATIONS AND ENVIRONMENTS			
Cat Arctic Platinum	Cat Desert Gold	Cat Multipurpose	Hammer Paste
Cat Extreme Application Grease - Arctic	Cat Extreme Application Grease - Desert	Cat Utility Grease	
0.5	2	2	2
230	280	260	230
-35 to +40	-30 to +50	-30 to +40	-20 to +1100
Semi-Synthetic	Mineral	Mineral	Mineral
Dark Gray	Dark Gray	Blue	Bronze
452-7459	452-6016	452-6011	130-6951
—	—	—	133-8807
452-6020	452-6019	452-6014	—
452-7461	452-6018	452-6013	—
452-7460	452-6017	452-6012	—



PLANNED MAINTENANCE KITS

500 Hour	Backhoe Loader		Engine Oil/Filter Change		Air Filter	Fuel Filter Change		Transmission Filter Change		Lubricate Machine	Hydraulic Filter Change		
	Sales Model	Serial Number	Part No.	Oil Qty (L) DEO-ULS™	Primary Element	Primary Element	Secondary Element	Filter Element	Seal	Prime Application Grease	Filter Element	Seal (Housing)	Seal (Plug)
	416F	KSF00001-UP	7W-2326	8	346-6687	363-6572	360-8960	119-4740	5P-6718	452-6006	362-1163	(2) 6S-3002	2M-9780
	420F ST	SKR00001-UP	7W-2326	8	346-6687	363-6572	360-8960	119-4740	5P-6718	452-6006	362-1163	(2) 6S-3002	2M-9780
	420F IT	JWJ00001-UP	7W-2326	8	346-6687	363-6572	360-8960	119-4740	5P-6718	452-6006	362-1163	(2) 6S-3002	2M-9780
	430F ST	RDF00001-UP	7W-2326	8	346-6687	363-6572	360-8960	119-4740	5P-6718	452-6006	362-1163	(2) 6S-3002	2M-9780
	430F IT	RGS00001-UP	7W-2326	8	346-6687	363-6572	360-8960	119-4740	5P-6718	452-6006	362-1163	(2) 6S-3002	2M-9780
450F	HJR00001-UP	7W-2326	8	346-6687	363-6572	360-8960	119-4740	5P-6718	452-6006	362-1163	(2) 6S-3002	2M-9780	

1,000 Hour	Backhoe Loader		Engine Oil/Filter Change		Air Filter		Fuel Filter Change		Cabin Air		Hydraulic Filter Change			Lubricate Machine
	Sales Model	Serial Number	Part No.	Oil Qty (L) DEO-ULS™	Primary Element	Secondary Element	Primary Element	Secondary Element	Recirculating Element	Fresh Air Element	Filter Element	Seal (Housing)	Seal (Plug)	Prime Application Grease
	416F	KSF00001-UP	7W-2326	8	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	362-1163	(2) 6S-3002	2M-9780	452-6006
	420F ST	SKR00001-UP	7W-2326	8	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	362-1163	(2) 6S-3002	2M-9780	452-6006
	420F IT	JWJ00001-UP	7W-2326	8	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	362-1163	(2) 6S-3002	2M-9780	452-6006
	430F ST	RDF00001-UP	7W-2326	8	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	362-1163	(2) 6S-3002	2M-9780	452-6006
	430F IT	RGS00001-UP	7W-2326	8	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	362-1163	(2) 6S-3002	2M-9780	452-6006
450F	HJR00001-UP	7W-2326	8	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	362-1163	(2) 6S-3002	2M-9780	452-6006	

Transmission Oil/Filter Change				Front Differential Oil Change		Front Final Drive Oil Change (each side)		Rear Differential Oil Change			Rear Final Drive Oil Change (each side)	
Filter Element	Oil Qty (L) TDTO	Seal	Breather	Oil Qty (L) TDTO	O-Ring	Oil Qty (L) TDTO	O-Ring	Oil Qty (L) TDTO	O-Ring	Additive	Oil Qty (L) TDTO	O-Ring
119-4740	19	5P-6718	7T-3251	11	(2) 6V-6228	1	6V-6228	17	(2) 6V-6228	197-0017	2	6V-6228
119-4740	19	5P-6718	7T-3251	11	(2) 6V-6228	1	6V-6228	17	(2) 6V-6228	197-0017	2	6V-6228
119-4740	19	5P-6718	7T-3251	11	(2) 6V-6228	1	6V-6228	17	(2) 6V-6228	197-0017	2	6V-6228
119-4740	19	5P-6718	7T-3251	11	(2) 6V-6228	1	6V-6228	17	(2) 6V-6228	197-0017	2	6V-6228
119-4740	19	5P-6718	7T-3251	11	(2) 6V-6228	1	6V-6228	17	(2) 6V-6228	197-0017	2	6V-6228
119-4740	19	5P-6718	7T-3251	11	(2) 6V-6228	1	6V-6228	17	(2) 6V-6228	197-0017	2	6V-6228

1,500 Hour	Backhoe Loader		Crankcase
	Sales Model	Serial Number	Breather Element
	416F	KSF00001-UP	339-1048
	420F ST	SKR00001-UP	339-1048
	420F IT	JWJ00001-UP	339-1048
	430F ST	RDF00001-UP	339-1048
	430F IT	RGS00001-UP	339-1048
450F	HJR00001-UP	339-1048	

2,000 Hour	Backhoe Loader		Engine Oil/Filter Change		Air Filter		Fuel Filter Change		Cabin Air		AC Receiver	Lubricate Machine	Hydraulic Tank	Hydraulic Filter Change			
	Sales Model	Serial Number	Part No.	Oil Qty (L) DEO-ULS™	Primary Element	Secondary Element	Primary Element	Secondary Element	Recirculating Element	Fresh Air Element	Dryer	Prime Application Grease	Breather	Filter Element	Seal (Housing)	Seal (Plug)	Oil Qty Hydo Adv 10 (L)
	416F	KSF00001-UP	7W-2326	8	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	283-4236	452-6006	9R-9925	362-1163	(2) 6S-3002	2M-9780	42
	420F ST	SKR00001-UP	7W-2326	8	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	283-4236	452-6006	9R-9925	362-1163	(2) 6S-3002	2M-9780	42
	420F IT	JWJ00001-UP	7W-2326	8	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	283-4236	452-6006	9R-9925	362-1163	(2) 6S-3002	2M-9780	42
	430F ST	RDF00001-UP	7W-2326	8	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	283-4236	452-6006	9R-9925	362-1163	(2) 6S-3002	2M-9780	42
	430F IT	RGS00001-UP	7W-2326	8	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	283-4236	452-6006	9R-9925	362-1163	(2) 6S-3002	2M-9780	42
450F	HJR00001-UP	7W-2326	8	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	283-4236	452-6006	9R-9925	362-1163	(2) 6S-3002	2M-9780	46	

Transmission Oil/Filter Change				Front Differential Oil Change		Front Axle	Front Final Drive Oil Change (each side)		Rear Differential Oil Change			Rear Axle	Rear Final Drive Oil Change (each side)	
Filter Element	Oil Qty (L) TDTO	Seal	Breather	Oil Qty (L) TDTO	O-Ring	Breather Element	Oil Qty (L) TDTO	O-Ring	Oil Qty (L) TDTO	O-Ring	Additive	Breather Element	Oil Qty (L) TDTO	O-Ring
119-4740	19	5P-6718	7T-3251	11	(2) 6V-6228	253-5024	1	6V-6228	17	(2) 6V-6228	197-0017	197-9155	2	6V-6228
119-4740	19	5P-6718	7T-3251	11	(2) 6V-6228	253-5024	1	6V-6228	17	(2) 6V-6228	197-0017	197-9155	2	6V-6228
119-4740	19	5P-6718	7T-3251	11	(2) 6V-6228	253-5024	1	6V-6228	17	(2) 6V-6228	197-0017	197-9155	2	6V-6228
119-4740	19	5P-6718	7T-3251	11	(2) 6V-6228	253-5024	1	6V-6228	17	(2) 6V-6228	197-0017	197-9155	2	6V-6228
119-4740	19	5P-6718	7T-3251	11	(2) 6V-6228	253-5024	1	6V-6228	17	(2) 6V-6228	197-0017	197-9155	2	6V-6228
119-4740	19	5P-6718	7T-3251	11	(2) 6V-6228	253-5024	1	6V-6228	17	(2) 6V-6228	197-0017	197-9155	2	6V-6228

MIRRORS AND LIGHTS E and F Series

Mirror Location	Notes	Part Number
Rearview	Internal	199-0929

Lamp Type	Notes	Part Number
Flood Lamp	Outer	234-4328
Flood Lamp	Inner	234-4329
Flood Lamp	Corner	290-5760
	Bulb	55w/12v
Beacon (Warning)	Roof mounted	180-3664
	Bulb	55w/12v (Beacon)
Lamp (Signal)	Rear	172-6490
	Bulb	21w/12v



CAB GLASS E and F Series

Position	Part Number
Windscreen (Top)	380-7828
Windscreen (Bottom RH)	380-7827
Windscreen (Bottom LH)	380-7826
Door (Top LH)	205-9587
Door (Bottom LH)	205-9588
Door (Top RH)	205-9597
Door (Bottom RH)	205-9598
Rear (Top LH)	325-9300
Rear (Bottom LH)	205-9622
Rear (Top RH)	325-9301
Rear (Bottom RH)	205-9631
Rear Glass (Top Section)	229-0309
Rear Glass (Bottom Section)	229-0308



BATTERY E and F Series

Part Number	Voltage	CCA (Amps)	Capacity (AH)	Type	Service Interval (Hours)	Length (mm)	Width (mm)	Height (mm)
230-6368	12	880	–	Wet	–	304	191	192



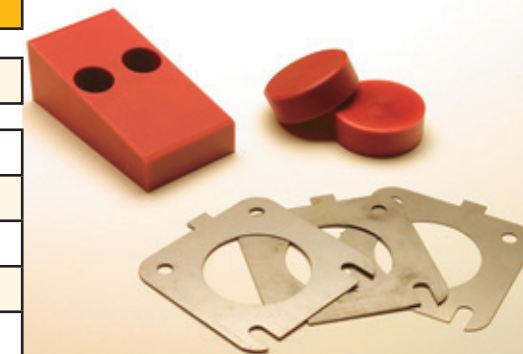
ENGINE PARTS F Series

Machine Model	Notes	Starter Motor	Alternator	Water Pump	Fuel Pump	Turbocharger	Fuel Injector
416F Tier 4i	70kW	331-7010	321-8927	397-5683	360-7503	356-3519	370-7287
420F, 430F Tier 4i	74.5kW				370-8363		
416F, 420F, 430F	Reman	–	20R-3601	–	–	–	20R-2480
416F Tier 2	70kW	143-0539	346-9825	247-0144	236-8228	237-3786	236-1647
420F, 430F Tier 2	74.5kW		383-2557	355-2252	326-8993	326-9153	315-3381
416F	Reman	0R-4316	–	–	–	10R-9721	20R-0471
420F, 430F	Reman		–	–	–	–	–



WEARPADS AND SHIMS E and F Series

Function	Notes	Part Number
Stabilizer	Rock guard option	188-3953
E-Stick	Nose (wedge)	217-1577
	Top	226-9764
	Side (pucks)	233-5169
	Shim (1 mm)	233-5166
	Shim (2 mm)	233-5167
	Head (wedge)	289-9426



COMMON GROUND ENGAGING TOOLS

E and F Series

Edge Group - Bolt On	9R-5321
Edge - Cutting	9W-8215
Bolt - Plow	3F-5108
Nut - Full	4K-0367
Washer - Hard	8T-4122
Tooth Group - Bolt On	9R-5866
Tooth - Uni (Double strap)	135-8203
Tooth - Uni (Single strap)	132-4720
Bolt - Plow	4F-3657
Nut - Full	4K-0367
The following tips are DRS230 size	
Pin - GET	201-1238
Retainer Assembly	201-1239
Tip - Penetration	208-5235
Tip - Chisel	208-5232
Tip - Soil	208-5234
Tip - Long	208-5236
Tip - Twin Sharp	208-5237
Tip - Sharp	208-5239
Tip - Wide	208-5240
Adapter - Weld on (For use with Rock Buckets)	201-1234
Adapter - 25mm (Soil excavation edges)	253-0234
Adapter - Weld on	201-1235



Ground engaging tools labeled as a group include mounting hardware.

QUICK DISCONNECTS

Get the most out of your Cat F Series Backhoe Loader with a wide range of hydraulic work tool attachments that can be easily interchanged with Quick Disconnects. Contact your Cat dealer for a complete list of all available attachments.

Function	Push to connect			
	Male	Cap	Female	Cap
Loader	195-6526	152-5718	195-6525	152-5717
Hoe	106-0406	—	106-0401	—

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