



# F SERIES BACKHOE LOADER PARTS REFERENCE GUIDE

**BUILT FOR IT.™**




# » 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	
	<b>GREASES</b>
	<b>PLANNED MAINTENANCE KITS</b>


## 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	
	<b>MIRRORS AND LIGHTS</b>
	<b>CAB GLASS</b>
OCCASIONAL REPAIR PARTS	
	<b>BATTERY</b>
	<b>ENGINE PARTS</b>
	<b>WEARPADS AND SHIMS</b>

## 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 Desert 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		Hydraulic Filter Change			Lubricate Machine
	Sales Model	Serial Number	Part No.	Oil Qty (L) DEO-ULS™	Primary Element	Primary Element	Secondary Element	Filter Element	Seal	Filter Element	Seal (Housing)	Seal (Plug)	Prime Application Grease
428F	RAK00001-UP	7W-2326	8	346-6687	363-6572	360-8960	119-4740	5P-6718	362-1163	(2) 6S-3002	2M-9780	452-6006	
	SJW00001-UP	7W-2326	8	346-6687	361-9554	156-1200	119-4740	5P-6718	362-1163	(2) 6S-3002	2M-9780	452-6006	
432F	PXR00001-UP	7W-2326	8	346-6687	363-6572	360-8960	119-4740	5P-6718	362-1163	(2) 6S-3002	2M-9780	452-6006	
	SEJ00001-UP	7W-2326	8	346-6687	361-9554	156-1200	119-4740	5P-6718	362-1163	(2) 6S-3002	2M-9780	452-6006	
434F	MTR00001-UP	7W-2326	8	346-6687	363-6572	360-8960	119-4740	5P-6718	362-1163	(2) 6S-3002	2M-9780	452-6006	
	FLY00001-UP	7W-2326	8	346-6687	361-9554	156-1200	119-4740	5P-6718	362-1163	(2) 6S-3002	2M-9780	452-6006	
444F	JXR00001-UP	7W-2326	8	346-6687	363-6572	360-8960	119-4740	5P-6718	362-1163	(2) 6S-3002	2M-9780	452-6006	
	FBN00001-UP	7W-2326	8	346-6687	361-9554	156-1200	119-4740	5P-6718	362-1163	(2) 6S-3002	2M-9780	452-6006	

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
428F	RAK00001-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	
	SJW00001-UP	7W-2326	8	346-6687	346-6688	361-9554	156-1200	211-2660	211-2661	362-1163	(2) 6S-3002	2M-9780	452-6006	
432F	PXR00001-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	
	SEJ00001-UP	7W-2326	8	346-6687	346-6688	361-9554	156-1200	211-2660	211-2661	362-1163	(2) 6S-3002	2M-9780	452-6006	
434F	MTR00001-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	
	FLY00001-UP	7W-2326	8	346-6687	346-6688	361-9554	156-1200	211-2660	211-2661	362-1163	(2) 6S-3002	2M-9780	452-6006	
444F	JXR00001-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	
	FBN00001-UP	7W-2326	8	346-6687	346-6688	361-9554	156-1200	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
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

2,000 Hour	Backhoe Loader		Engine Oil/Filter Change		Crankcase		Air Filter		Fuel Filter Change		Cabin Air		AC Receiver	Lubricate Machine	Hydraulic Filter Change		
	Sales Model	Serial Number	Part No.	Oil Qty (L) DEO-ULS™	Breather Element	Seal	Primary Element	Secondary Element	Primary Element	Secondary Element	Recirculating Element	Fresh Air Element	Dryer	Prime Application Grease	Filter Element	Seal (Housing)	Seal (Plug)
428F	RAK00001-UP	7W-2326	8	339-1048	-	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	283-4236	452-6006	362-1163	(2) 6S-3002	2M-9780	42
	SJW00001-UP	7W-2326	8	339-1048	-	346-6687	346-6688	361-9554	156-1200	211-2660	211-2661	283-4236	452-6006	362-1163	(2) 6S-3002	2M-9780	42
432F	PXR00001-UP	7W-2326	8	339-1048	-	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	283-4236	452-6006	362-1163	(2) 6S-3002	2M-9780	42
	SEJ00001-UP	7W-2326	8	339-1048	-	346-6687	346-6688	361-9554	156-1200	211-2660	211-2661	283-4236	452-6006	362-1163	(2) 6S-3002	2M-9780	42
434F	MTR00001-UP	7W-2326	8	339-1048	-	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	283-4236	452-6006	362-1163	(2) 6S-3002	2M-9780	42
	FLY00001-UP	7W-2326	8	165-4021	185-6643	346-6687	346-6688	361-9554	156-1200	211-2660	211-2661	283-4236	452-6006	362-1163	(2) 6S-3002	2M-9780	42
444F	JXR00001-UP	7W-2326	8	339-1048	-	346-6687	346-6688	363-6572	360-8960	211-2660	211-2661	283-4236	452-6006	362-1163	(2) 6S-3002	2M-9780	42
	FBN00001-UP	7W-2326	8	165-4021	185-6643	346-6687	346-6688	361-9554	156-1200	211-2660	211-2661	283-4236	452-6006	362-1163	(2) 6S-3002	2M-9780	42

Hydraulic Tank	Transmission Oil/Filter Change				Front Axle	Front Differential Oil Change		Front Final Drive Oil Change (each side)		Rear Axle	Rear Differential Oil Change			Rear Final Drive Oil Change (each side)	
Breather	Filter Element	Oil Qty (L) TDTO	Seal	Breather	Breather Element	Oil Qty (L) TDTO	O-Ring	Oil Qty (L) TDTO	O-Ring	Breather Element	Oil Qty (L) TDTO	O-Ring	Additive	Oil Qty (L) TDTO	O-Ring
9R-9925	119-4740	19	5P-6718	7T-3251	253-5024	11	(2) 6V-6228	1	6V-6228	197-9155	17	(2) 6V-6228	197-0017	2	6V-6228
9R-9925	119-4740	19	5P-6718	7T-3251	253-5024	11	(2) 6V-6228	1	6V-6228	197-9155	17	(2) 6V-6228	197-0017	2	6V-6228
9R-9925	119-4740	19	5P-6718	7T-3251	253-5024	11	(2) 6V-6228	1	6V-6228	197-9155	17	(2) 6V-6228	197-0017	2	6V-6228
9R-9925	119-4740	19	5P-6718	7T-3251	253-5024	11	(2) 6V-6228	1	6V-6228	197-9155	17	(2) 6V-6228	197-0017	2	6V-6228
9R-9925	119-4740	19	5P-6718	7T-3251	253-5024	11	(2) 6V-6228	1	6V-6228	197-9155	17	(2) 6V-6228	197-0017	2	6V-6228
9R-9925	119-4740	19	5P-6718	7T-3251	253-5024	11	(2) 6V-6228	1	6V-6228	197-9155	17	(2) 6V-6228	197-0017	2	6V-6228
9R-9925	119-4740	19	5P-6718	7T-3251	253-5024	11	(2) 6V-6228	1	6V-6228	197-9155	17	(2) 6V-6228	197-0017	2	6V-6228
9R-9925	119-4740	19	5P-6718	7T-3251	253-5024	11	(2) 6V-6228	1	6V-6228	197-9155	17	(2) 6V-6228	197-0017	2	6V-6228

## MIRRORS AND LIGHTS E and F Series

Mirror Location	Notes	Part Number
Rearview	External	123-6620
Bracket	RH	159-7106
Bracket	LH	159-7105
Rear (EU Prep)	External	220-4050
Bracket	–	344-1001
Rearview	Internal	199-0929

Lamp Type	Notes	Part Number
Flood Lamp	Front & Rear	214-2969
	Bulb	55w/12v 9W-0607
Lamp (Head & Signal)	RH Dip (RH)	195-0189
Lamp (Head & Signal)	RH Dip (LH)	195-0190
Lamp (Head & Signal)	LH Dip (RH)	195-0191
Lamp (Head & Signal)	LH Dip (LH)	195-0192
	Bulb	55w/12v (Head) 9W-3324
	Bulb	21w/12v (Signal) 226-4560
	Bulb	5w/12v (Clear) 226-4561
Beacon (Warning)	Roof mounted	309-1325
	Bulb	55w/12v (Beacon) 9X-8118
Lamp (Signal & Stop)	Rear	336-9096
	Bulb	12v (Stop) 7S-1800
	Bulb	21w/12v (Signal) 9W-3326



## CAB GLASS E and F Series

Position	Part Number
Windscreen (Top)	380-7828
Windscreen (Bottom RH)	380-7827
Windscreen (Bottom LH)	380-7826
LH Door (Top)	205-9587
LH Door (Bottom)	205-9588
RH Door (Top)	205-9597
RH Door (Bottom)	205-9598
LH Rear (Top)	325-9300
LH Rear (Bottom)	205-9622
RH Rear (Top)	325-9301
RH Rear (Bottom)	205-9631
Rear Glass	315-1299



## 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



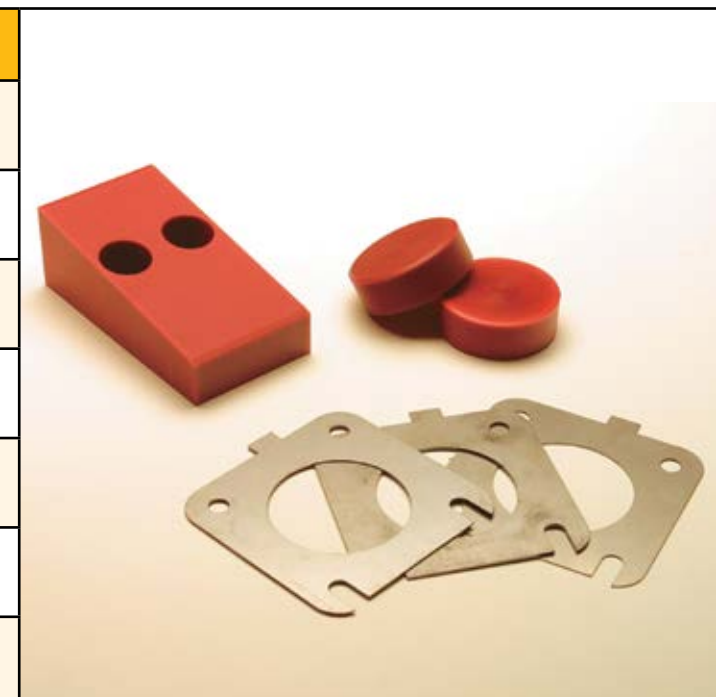
## ENGINE PARTS F Series

Machine Model	Notes	Starter Motor	Alternator	Water Pump	Fuel Pump	Turbocharger	Fuel Injector
428F Stage 3B	70kW	331-7010	321-8927	397-5683	360-7503	356-3519	370-7287
432F, 434F, 444F Stage 3B	75kW				370-8363		
428F, 432F, 434F, 444F	Reman	–	20R-3601	–	–	–	20R-2480



## WEARPADS AND SHIMS E\* and F Series

Function	Notes	Part Number
Stabilizer	Upper (5.2mm)	193-1681
	Upper (4.2mm)	193-1683
	Upper (6.2mm)	193-1684
	Lower	331-2489
Powered Side Shift	Slideframe	344-5303
E-Stick	Side	319-9667
	Side	319-9668



\*Wearpads and shims are used on most E Series models. There are select models that underwent design changes for sideshift. Please consult with your local dealer.

# 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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