



320D/320D L MEDIUM HYDRAULIC EXCAVATORS PARTS REFERENCE GUIDE

SERIAL NUMBER PREFIX: PHX, SPN

LET'S DO THE WORK.™




PROTECT YOUR INVESTMENT WITH GENUINE CAT® PARTS

Thank you for selecting the Cat® Medium Hydraulic Excavator.

This guide is designed to provide you with a quick reference for the parts and part numbers you need to keep your Cat Medium Hydraulic Excavator operating at peak efficiency. Always read and understand the machine's Operation and Maintenance Manual prior to performing any type of maintenance.

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

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. Other parts may not meet certain original equipment specifications.

WEAR PARTS
COMMON GROUND ENGAGING TOOLS
MINOR REPAIR PARTS
CAB GLASS AND ACCESSORIES
MIRRORS AND LIGHTS
OCCASIONAL REPAIR PARTS
UNDERCARRIAGE
ENGINE PARTS
PUMPS AND MOTORS
UPGRADES/ENHANCEMENTS
UPGRADE KITS
LINKAGE
LINKAGE PINS, BEARINGS, AND HARDWARE

GREASES

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 C° (F°)	260 (500)	260 (500)	260 (500)
Ambient Temperature C° (F°)	-35 to +40 (-31 to +104)	30 to +50 (-22 to +122)	-20 to +40 (-4 to +104)
Base Oil Type	Mineral	Mineral	Mineral
Color	Dark Grey	Dark Grey	Dark Grey
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	Hammer Paste
0	2	2	2
230 (446)	280 (536)	260 (500)	230 (446)
-35 to +40 (-31 to +104)	30 to +50 (-22 to +122)	-30 to +40 (-22 to +104)	-20 to +1100 (-4 to +2012)
Semi-Synthetic	Mineral	Mineral	Mineral
Dark Grey	Dark Grey	Blue	Bronze
508-2184	452-6016	452-6011	130-6951 (standard) 317-8491 (autolube)
-	-	-	133-8807
508-2187	452-6019	452-6014	-
508-2186	452-6018	452-6013	-
508-2185	452-6017	452-6012	-



PLANNED MAINTENANCE

EXCAVATOR		Every 500 Hours			
		Engine Oil/Filter Change		Fuel Filter	
Sales Model	Serial Number Prefix	Filter Element	Oil Qty - Liter (Gallon) DEO-ULS™	Primary Element	Secondary Element
320D	PHX	1R-0739	30 (8)	326-1644	1R-0751 (Quantity 2-3)
320D L	SPN				1R-0751 (Quantity 2)

EXCAVATOR		Every 1000 Hours		
		Swing Drive	Hydraulic Filter Change	
Sales Model	Serial Number Prefix	Swing Drive Oil Quantity - Liter (Gallon) TDTO	Case Drain Filter	Pilot System Filter
320D	PHX	8 (2)	093-7521	5I-8670
320 L	SPN			

EXCAVATOR		Every 2000 Hours		
		Final Drive Oil Change	Hydraulic Filter	
Sales Model	Serial Number Prefix	Final Drive Oil Quantity, each - Liter (Gallon) TDTO	Return Filter	Return Filter Service Kit
320D	PHX	8 (2)	179-9806	201-9229
320D L	SPN			



EXCAVATOR		As-Needed and High Interval Parts									
		Engine Air				Cabin Air		Hydraulic Oil Change		Engine Coolant	Engine Crankcase
Sales Model	Serial Number Prefix	Primary Element	Secondary Element	Precleaner	Precleaner Element	Fresh Air Element	AC/Recirculating Air Filter	Hydraulic Oil Quantity - Liters (gallons)	Tank Breather	Cat® ELC Coolant Extender	Breather
320D	PHX	6I-2501 (without dust valve) 128-2686 (ultra high efficiency, without dust valve)	6I-2502 (without dust valve)	130-3280	258-6614	293-1184	546-0006	138 (37)	227-0590	119-5152	5I-7725
320D L	SPN	131-8822 (with dust valve) 134-0685 (ultra high efficiency, with dust valve)				131-8821 (with dust valve)					



GROUND ENGAGING TOOLS

Description	Heavy Duty J Series		K Series		CAT® Advansys™	
	J300	J350	K80	K90	Advansys 80	Advansys 90
Penetration Plus	183-5300	168-1359	475-5470	475-5482	505-4083	505-4097
General Purpose	1U-3302	1U-3352	475-5473	475-5484	505-4086	505-4096
Heavy Duty	–	–	–	–	505-3982	505-3996
Heavy Duty Long Life (ARM)	–	–	–	–	505-3983	505-3993
Leveling Edge Conversion (LEC)	–	–	–	–	505-3985	505-3995
Wide	107-3300	107-3350	475-5474	475-5485	505-4080	505-4090
Penetration	9J-4309	9J-4359	475-5469	475-5481	505-4081	505-4091
Penetration Long Life (ARM)	125-8309	119-9359	475-5478	475-5489	505-4082	505-4092
Extra Duty Long Life (ARM)	–	–	475-5477	475-5488	–	–
Extra Duty	–	–	475-5468	475-5480	–	–
Spike	168-1300	168-1350	475-5471	475-5483	505-4084	505-4098
Double Spike	135-9308	135-9357	475-5472	475-5491	–	–
Pin	132-4766	114-0358	–	–	–	–
Retainer	149-5733	114-0359	220-9090	220-9090	–	–

CAB ACCESSORIES

Sales Model	Serial Number Prefix	Part Description	Part Number
320D	PHX	Cabin Air Duct	229-9082
320D L	SPN		340-6524
320D L	SPN	Falling Objects Guard Kit	484-8798
320D	PHX	Front Window Guard	164-0534
320D L	SPN		316-8837
320D	PHX	Hydraulic Pedal Control	259-7179
320D L	SPN		316-8842
320D	PHX	Ladder	279-3087
320D	PHX	Radio	251-0538
320D L	SPN		
320D	PHX	Rain Visor	316-8842
320D L	SPN		316-8838
320D	PHX	Rear View Camera Bracket Kit	251-4162
320D L	SPN		
320D	PHX	Roof Hatch	139-7099
320D L	SPN		340-6665
320D	PHX	Seat Belt	305-0466
320D L	SPN		
320D	PHX	Step	235-7764
320D L	SPN		
320D	PHX	Sun Screen	245-7881
320D L	SPN		336-1150
320D	PHX	Sun Visor	161-3751
320D L	SPN		336-1140
320D	PHX	Swivel Guard Kit	471-1985
320D L	SPN		
320D	PHX	Vandalism Guard	207-0159
320D L	SPN		340-3761
320D	PHX	Window (Door)	151-6792
320D	PHX	Window (Front, Lower)	176-1958
320D L	SPN	Window (Front, Rear, Sides)	340-6695
320D	PHX	Window (Front, Upper)	207-0144
320D L	SPN		327-6625
320D	PHX	Window (Side and Rear)	235-8909
320D	PHX	Window Wiper (Lower)	229-9086
320D L	SPN		327-6489
320D	PHX	Window Wiper (Upper)	234-6594
320D L	SPN		327-6551
320D	PHX	Window Wiper and Washer	229-9087

MIRRORS

Sales Model	Serial Number Prefix	Part Description	Part Number
320D	PHX	Mirror	489-5117
320D L	SPN		
320D	PHX	Rear View Mirror (Use with Front Window Guard)	327-6553
320D L	SPN		
320D	PHX	Rear View Mirror (Use without Front Guard)	327-6552
320D L	SPN		

LIGHTS

Sales Model	Serial Number Prefix	Part Description	Part Number
320D	PHX	Flood Light	489-5118
320D L	SPN		
320D	PHX	Flood Light (Use with Cab Guard)	170-9294
320D	PHX	Flood Light , Reach Boom (Left)	259-5043
320D L	SPN		
320D	PHX	Flood Light, Reach Boom (Right)	259-5047
320D L	SPN		
320D	PHX	Flood Light, Cab	366-9343
320D	PHX	Flood Light, Short Boom (Left)	267-7627
320D L	SPN		
320D	PHX	Flood Light, Short Boom (Right)	259-5048
320D L	SPN		
320D	PHX	Flood Light, Reach Boom (Left)	259-5043
320D	PHX	Flood Light, Reach Boom (Right)	259-5047
320D	PHX	Flood Light, Short Boom (Left)	267-7627
320D	PHX	Flood Light, Short Boom (Right)	259-5048
320D L	SPN	Flood Light (Use with Cab Guard)	336-6072

UNDERCARRIAGE

Machine Model		Undercarriage			
Sales Model	Serial Number Prefix	Rollers	Sprockets	Steel Track Assembly	Steel Track Shoe
320D	PHX	8E-5600 Track Carrier 163-4143 Single Flange	8E-9805	194-1912 800mm, Triple Grouser Shoe, Grease Lubricated Track	194-1608 (Link Assembly) 9W-9351 (Shoe) 9W-3619 (Bolt) 9W-3361 (Nut)
320D L	SPN			332-8908 790mm, Triple Grouser Shoe, Grease Lubricated Track	194-1608 (Link Assembly) 332-8903 (Shoe) 9W-3619 (Bolt) 9W-3361 (Nut)



ENGINE PARTS

Sales Model	Serial Number Prefix	Starter Motor			Battery		Alternator			Water Pump			Fuel Injector Pump			Fuel Priming Pump		Turbocharger			Fuel Injector			Crankcase Breather	
		New	Reman	Quantity	New	Quantity	New	Reman	Quantity	New	Reman	Quantity	New	Reman	Quantity	New	Quantity	New	Reman	Quantity	New	Reman	Quantity	New	Quantity
320D	PHX	272-4774	10R-7586	1	3T-5760 570-6509 (General Duty)	2	212-8561	-	1	178-6633 578-1835 (General Duty)	-	1	326-4635	10R-7662	1	390-4679	1	287-0049	-	1	326-4700	10R-7675	6	51-7725	1
320D L	SPN				9X-3404 115-2422 (Cold Weather)											2					137-5541 390-4679				

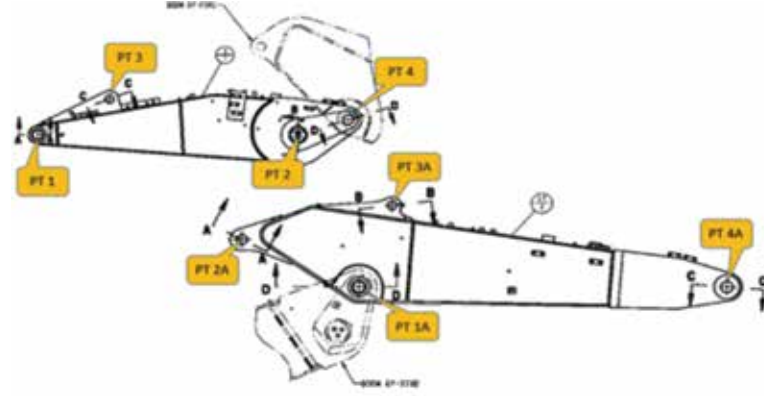
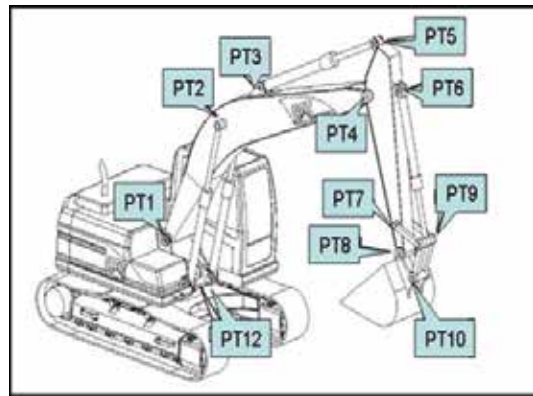
PUMPS AND MOTORS

Sales Model	Serial Number Prefix	Head Pump			Auxiliary Pump			Swing Motor			Travel Motor		
		New	Reman	Quantity	New	Re-man	Quantity	New	Reman	Quantity	New	Reman	Quantity
320D	PHX	256-0093 (Drive)	-	1	200-3365	-	1	334-9976	20R-1757	1	593-5126	11R-1020	2
320D L	SPN	256-0096 (Driven)	-	1									

UPGRADE KITS

These kits update your machine by adding a new feature. Contact your local Cat Dealer for details.

Sales Model	Serial Number Prefix	Category	Part Description	Part Number
320D	PHX	Performance and Productivity	Engine Pre-Cleaner	153-1277
		Safety and Visibility	Rear View Camera Bracket	251-4162
		Protection	Swivel Guard	471-1985
320D L	SPN	Safety and Visibility	Rear View Camera Bracket	251-4162
			Falling Objects Guard	484-8798
		Protection	Swivel Guard	471-1985



LINKAGE PINS

Sales Model	Serial Number Prefix	Configuration			PT1	PT2	PT3	PT4	PT5	PT6	PT7	PT8	PT9	PT10	PT12
		Linkage Type	Boom Type	Stick Type	Boom Foot	Boom Cylinder Rod End	Stick Cylinder Head End	Boom Nose or Stick Pivot	Stick Cylinder Rod End	Bucket Cylinder Head End	Idle Link Stick End	Stick Nose	Bucket Cylinder Rod End	Power Link Bucket End	Boom Cylinder Head End
320D L	SPN	Long Reach	Long/Short	Reach	315-0800 Pin	437-3391 Pin	41-4809 Pin	264-1702 Pin	41-4809 Pin	41-4811 Pin	71-6843 Pin	186-0523 Pin	248-7820 Pin	186-0523 Pin	154-0480 Pin (Quantity 2)
		CB2 Family	Long/Short	Mass							186-5662 Pin	234-3931 Pin	234-3930 Pin	234-3931 Pin	
		B1 Family	Long/Short	Reach							254-3052 Pin	187-5805 Pin	254-3053 Pin	187-5805 Pin	
320D	PHX	CB2 Family	Short	CB2 Reach							186-5662 Pin	234-3931 Pin	234-3930 Pin	234-3931 Pin	
		B1 Family	Long Reach	Long Reach							254-3052 Pin	187-5805 Pin	254-3053 Pin	087-5805 Pin	

BEARINGS AND BUSHINGS

Sales Model	Serial Number Prefix	Configuration			PT1	PT2	PT3	PT4	PT5	PT6	PT7	PT8	PT9	PT10	PT12
		Linkage Type	Boom Type	Stick Type	Boom Foot	Boom Cylinder Rod End	Stick Cylinder Head End	Boom Nose or Stick Pivot	Stick Cylinder Rod End	Bucket Cylinder Head End	Idler Link Stick End	Stick Nose	Bucket Cylinder Rod End	Power Link Bucket End	Boom Cylinder Head End
320D L	SPN	Long Reach	Long/Short	Reach	244-4277 Bearing (Quantity 2)	241-7380 Bearing (Quantity 2)	235-7770 Bushing	244-4277 Bushing (Quantity 2)	235-7770 Bushing	235-7769 Bushing	229-1095 Bushing (Quantity 2)	229-1091 Bushing (Quantity 2)	248-7835 Bearing (Quantity 2) 248-7857 Bearing	517-6019 Bearing (Quantity 2)	241-7379 Bushing (Quantity 2)
		CB2 Family	Long/Short	Mass					241-7381 Bearing		228-5614 Bearing (Quantity 2)	228-5615 Bearing (Quantity 2)	228-5615 Bearing (Quantity 3)	228-5615 Bearing (Quantity 2)	
		B1 Family	Long/Short	Reach					235-7770 Bushing		229-1096 Bushing (Quantity 2)	240-2913 Bushing (Quantity 2)	244-4360 Bearing (Quantity 2) 241-7382 Bearing	240-2912 Bearing (Quantity 2)	
320D	PHX	CB2 Family	Short	CB2 Reach			241-7381 Bushing		241-7381 Bushing		228-5614 Bushing (Quantity 2)	228-5615 Bushing (Quantity 2)	228-5615 Bushing (Quantity 3)	228-5615 Bushing (Quantity 2)	
		B1 Family	Long Reach	Long Reach					241-7381 Bushing		229-1096 Bushing (Quantity 2)	240-2913 Bushing (Quantity 2)	244-4360 Bushing (Quantity 2) 241-7382 Bushing	240-2912 Bushing (Quantity 2)	

SEALS

Sales Model	Serial Number Prefix	Configuration			PT1	PT2	PT3	PT4	PT5	PT6	PT7	PT8	PT9	PT10	PT12
		Linkage Type	Boom Type	Stick Type	Boom Foot	Boom Cylinder Rod End	Stick Cylinder Head End	Boom Nose or Stick Pivot	Stick Cylinder Rod End	Bucket Cylinder Head End	Idler Link Stick End	Stick Nose	Bucket Cylinder Rod End	Power Link Bucket End	Boom Cylinder Head End
320D L	SPN	Long Reach	Long/Short	Reach	166-1495 Seal (Quantity 2)	166-1494 Seal (Quantity 4)	166-1494 Seal (Quantity 2)	166-1495 Seal (Quantity 2)	166-1494 Seal (Quantity 2)	235-7679 Seal (Quantity 2)	096-0131 Seal (Quantity 2) 3B-8489 Grease Fitting	093-1433 Seal (Quantity 2) 367-8465 O-Ring (Quantity 2)	235-7679 Seal (Quantity 6)	248-7836 Seal (Quantity 2) 367-8465 O-Ring (Quantity 2)	166-1494 Seal (Quantity 4)
		CB2 Family	Long/Short	Mass							166-1495 Seal (Quantity 2) 367-8468 O-Ring (Quantity 2)	166-1495 Seal (Quantity 6)	166-1495 Seal (Quantity 2) 367-8468 O-Ring (Quantity 2)		
		B1 Family	Long/Short	Reach							166-1494 Seal (Quantity 2) 367-8467 O-Ring (Quantity 2)	166-1494 Seal (Quantity 6)	166-1494 Seal (Quantity 2) 367-8467 O-Ring (Quantity 2)		
320D	PHX	CB2 Family	Short	CB2 Reach							166-1495 Seal (Quantity 2) 367-8468 O-Ring (Quantity 2)	166-1495 Seal (Quantity 6)	166-1495 Seal (Quantity 2) 367-8468 O-Ring (Quantity 2)		
		B1 Family	Long Reach	Long Reach							166-1494 Seal (Quantity 2) 367-8468 O-Ring (Quantity 2)	166-1494 Seal (Quantity 6)	166-1494 Seal (Quantity 2) 367-8467 O-Ring (Quantity 2)		



RETENTION HARDWARE

Sales Model	Serial Number Prefix	Configuration			PT1	PT2	PT3	PT4	PT5	PT6	PT7	PT8	PT9	PT10	PT12						
		Linkage Type	Boom Type	Stick Type	Boom Foot	Boom Cylinder Rod End	Stick Cylinder Head End	Boom Nose or Stick Pivot	Stick Cylinder Rod End	Bucket Cylinder Head End	Idler Link Stick End	Stick Nose	Bucket Cylinder Rod End	Power Link Bucket End	Boom Cylinder Head End						
320D L	SPN	Long Reach	Long/Short	Reach	212-2838 Shim (Quantity 2)								236-6365 Bolt	099-0724 Bolt 096-4876 Nut (Quantity 2)	093-0083 Shim (Quantity 4) 093-0115 Shim (Quantity 2)						
		CB2 Family	Long/Short	Mass									166-1487 Shim (Quantity 2)			166-1487 Shim (Quantity 2)	186-5649 Bolt	093-0349 Washer	166-1487 Shim (Quantity 2)	093-0349 Washer	133-2425 Shim (Quantity 2)
		B1 Family	Long/Short	Reach									308-8775 Shim 308-8777 Shim			41-3308 Plate (Quantity 2) 41-3309 Spacer (Quantity 2)	093-0349 Washer 093-0363 Spacer	093-0084 Shim (Quantity 2)	166-1486 Shim (Quantity 2)	451-2184 Nut (Quantity 2)	451-2176 Washer
320D	PHX	CB2 Family	Short	CB2 Reach	093-0349 Washer 8T-4123 Washer 8T-4780 Bolt	8T-4223 Washer (Quantity 6) 8T-4956 Bolt (Quantity 6)	093-0349 Washer 093-0363 Spacer 451-2176 Washer 453-2844 Bolt	093-0084 Shim (Quantity 2) 093-0116 Shim (Quantity 2)	166-1486 Shim (Quantity 2)	093-0349 Washer 093-0363 Spacer	118-5982 Spacer	186-5649 Bolt 451-2184 Nut (Quantity 2)	093-0349 Washer 451-2176 Washer 453-2845 Bolt	093-0349 Washer 451-2176 Washer 453-2845 Bolt	093-0083 Shim (Quantity 4) 133-2425 Shim (Quantity 2) 093-0115 Shim (Quantity 2)						
		B1 Family	Long Reach	Long Reach				166-1487 Shim (Quantity 2) 113-2127 Shim	166-1487 Shim (Quantity 2)	093-0349 Washer		186-5644 Bolt	188-2315 Bolt	166-1486 Shim (Quantity 2)	188-2315 Bolt	093-0363 Spacer (Quantity 2) 8T-4780 Bolt (Quantity 2)					
									093-0349 Washer 451-2176 Washer 453-2844 Bolt	451-2183 Nut (Quantity 2)	451-2183 Nut (Quantity 2)	186-5644 Bolt	451-2183 Nut (Quantity 2)	451-2183 Nut (Quantity 2)	451-2183 Nut (Quantity 2)	093-0349 Washer (Quantity 2) 8T-4123 Washer (Quantity 2)					





Cat Filters Provide Longer Injector Life

Chances are, you don't skip oil changes or regular maintenance on the family car. So why skip planned maintenance on your Cat equipment? Cat fuel filters outperform the competition, with up to 45% longer injector life and up to 80% decreased cost per hour.*



Productivity and Hydraulics Go Hand In Hand

If your hydraulic system isn't performing at peak efficiency, it's robbing your machine of performance. Efficiency losses usually occur slowly! These losses can also increase your fuel consumption and operating costs.



Need help?

Your local Cat dealer can provide:

- Technical Support
- Customer Value Agreements
- Oil sample analysis
- Parts needed and equipment fit
- Repair financing
- Rental Services

Find your local dealer at www.cat.com today.



LET'S DO THE WORK.™



To buy Cat parts online, visit Parts.cat.com.

* Visit <https://www.cat.com/filtersandfluids> for more details

PEBJ0916
(N. Am, S. Am)

© 2022 Caterpillar. All Rights Reserved. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Corporate Yellow", the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

