



ARTICULATED TRUCKS, B SERIES

735B, 740B, 740B EJ

PARTS REFERENCE GUIDE

SERIAL NUMBER PREFIXES: T4P, L4D, T4R, L4E, T4S, L4F

LET'S DO THE WORK.™




PROTECT YOUR INVESTMENT WITH GENUINE CAT® PARTS

Thank you for selecting the Cat® B Series Articulated Truck

This guide is designed to provide you with a quick reference for the parts and part numbers you need to keep your Cat® B Series Articulated Truck running 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

REPAIR PARTS

Proper maintenance minimizes the need for repair and replacement. In the event that replacement parts are required for this product, Caterpillar recommends using original Caterpillar® replacement parts. Other parts may not meet certain original equipment specifications.

OCCASIONAL REPAIR PARTS
ENGINE
ENGINE COMPONENTS
MAJOR COMPONENTS
CYLINDERS AND KITS
DUMP BODY LINERS

GREASES ARTICULATED TRUCKS

Previous Cat Product Name	STANDARD MAINTENANCE GREASES			GREASES FOR UNIQUE APPLICATIONS AND ENVIRONMENTS		
	Cat Ultra5 Moly #1	Cat Ultra5 Moly #2	Cat Advanced 3 Moly	Cat Arctic Platinum	Cat Desert Gold	Cat Multipurpose
Current Cat Product Name	Cat Extreme Application Grease 1	Cat Extreme Application Grease 2	Cat Prime Application Grease	Cat Extreme Application Grease - Arctic	Cat Extreme Application Grease - Desert	Cat Utility Grease
Grade (NLGI)	1	2	2	0	2	2
Melting Point C° (F°)	260 (500)	260 (500)	260 (500)	230 (446)	280 (536)	260 (500)
Ambient Temperature C° (F°)	35 to +40 (-31 to +104)	-30 to +50 (-22 to +122)	-20 to +40 (-4 to +104)	35 to +40 (-31 to +104)	-30 to +50 (-22 to +122)	-20 to +1100 (-4 to +2012)
Base Oil Type	Mineral	Mineral	Mineral	Semi-Synthetic	Mineral	Mineral
Color	Dark Gray	Dark Gray	Dark Gray	Dark Grey	Dark Grey	Blue
Cartridge (390 g / 14 oz)	452-5996	452-6001	452-6006	508-2184	452-6016	452-6011
Plastic Pail (5 kg / 11 lb)	-	-	-	-	-	-
Plastic Pail (16 kg / 35 lb)	452-5999	452-6004	452-6009	508-2187	452-6019	452-6014
Keg (55 kg / 120 lb)	452-5998	452-6003	452-6008	508-2186	452-6018	452-6013
Drum (180 kg / 400 lb)	452-5997	452-6002	452-6007	508-2185	452-6017	452-6012
						

PLANNED MAINTENANCE

ARTICULATED TRUCK		Every 500 Hours				
		Engine		Transmission	Fuel	
Sales Model	Serial Number Prefix	Oil and Filter - Change	Belt	Filter Element	Primary Filter - Fuel Water Separator	Secondary Filter
735B	T4P, L4D	1R-1808 (Advanced)	331-9604	571-5253	326-1643 (Advanced) 438-5386 (Ultra High)	1R-0749 (Advanced) Quantity 2
740B	T4R, L4E					
740B EJ	T4S, L4F					

ARTICULATED TRUCK		Every 1,000 Hours						
		Transmission		Hydraulic System		Transfer Case		
Sales Model	Serial Number Prefix	Oil Quantity - Cat® TDTO Gallon (Liter) - Change	Breather Element	Hoist/Brake Oil Filter Element	Steering Oil Filter Element	Filter Element	Oil Quantity - Cat® TDTO Gallon (Liter) - Change	Breather Element
735B	T4P, L4D	19 (72)	8X-4575	132-8876	132-8876	130-3212	4.8 (18)	8X-4575
740B	T4R, L4E							
740B EJ	T4S, L4F							

ARTICULATED TRUCK		Every 2,000 Hours											
		Front Axle		Center Axle		Rear Axle		Hydraulic Tank	Air Conditioning	Hoist and Brake System	Axle-Front/Center/Rear	Fumes Disposal	Brake Control Valve
Sales Model	Serial Number Prefix	Oil Quantity - TDTO - Gallon (Liter) - Change	Final Drives - Oil Quantity - TDTO - Gallon (Liter) - Change	Oil Quantity - TDTO - Gallon (Liter) - Change	Final Drives - Oil Quantity - TDTO - Gallon (Liter) - Change	Oil Quantity - TDTO - Gallon (Liter) - Change	Final Drives - Oil Quantity - TDTO - Gallon (Liter) - Change	Breather Element	Receiver/Dryer - Replace	Oil Quantity - TDTO - Gallon (Liter) - Change	Breather	Filter Element	Breather
735B	T4P	17.4 (66)	1.3 (5)	17.7 (67)	1.3 (5)	17.4 (67)	1.3 (5)	157-7911	320-0563	59.4 (225)	6U-1989 (Quantity 3)	326-4690	183-3873
	L4D											-	
740B	T4R												
	L4E							326-4690					
740B EJ	T4S							63.4 (240)		326-4690			
	L4F							-		-			

ARTICULATED TRUCK		Every 3000 Hours
		Cooling System
Sales Model	Serial Number Prefix	Pressure Cap
735B	T4P, L4D	294-3342
740B	T4R, L4E	
740B EJ	T4S, L4F	

ARTICULATED TRUCK		Every 4,000 Hours
		Steering
Sales Model	Serial Number Prefix	Oil Quantity - Gallon (Liters) - Cat® HYDO - Change
735B	T4P, L4D	25.6 (97)
740B	L4E, T4R	
740B EJ	T4S, L4F	



PLANNED MAINTENANCE CONTINUED

ARTICULATED TRUCK		Every 6,000 Hours
		Engine Cooling System - Extender
Sales Model	Serial Number Prefix	Extender - Add - Ounce (Liter)
735B	T4P, L4D	54 (1.6)
740B	T4R, L4E	
740B EJ	T4S, L4F	

ARTICULATED TRUCK		12,000 Hours
		Engine Cooling System - Change
Sales Model	Serial Number Prefix	Cat® ELC Coolant Quantity - Gallon (Liter)
735B	T4P, L4D	21.1 (80)
740B	T4R, L4E	
740B EJ	T4S, L4F	

ARTICULATED TRUCK		Every 3 Years
		Cab
Sales Model	Serial Number Prefix	Seat Belt
735B	T4P, L4D	353-6193
740B	T4R, L4E	
740B EJ	T4S, L4F	

ARTICULATED TRUCK		When Required				
		Air Cleaner		Battery	Cabin Air	Ether Starting Aid
Sales Model	Serial Number Prefix	Primary Filter	Secondary Filter	Quantity 2 Required	Filter	Cylinder - Ounce (Gram)
735B	T4P, L4D	142-1340	142-1403	153-5700	259-3222	7N-0296 - 18 (510) 130-8414 - 8 (225)
740B	T4R, L4E					
740B EJ	T4S, L4F					



ENGINE*

Sales Model	Serial Number Prefix	Description	New Part Number	Remanufactured Part Number	Quantity
735B, 740B, 740B EJ	T4P, T4R, T4S	Engine	365-3721	20R-5503 (Complete Engine) 20R-5356 (Short Block) 20R-5262 (Long Block)	1
735B, 740B, 740B EJ	L4D, L4E, L4F		343-8556	20R-2513 (Complete Engine)	

*Confirm with your local dealer for part numbers applicable to your machine serial number and location.



ENGINE COMPONENTS

Sales Model	Serial Number Prefix	Description	New Part Number	Remanufactured Part Number	Quantity
735B, 740B, 740B EJ	T4P, T4R, T4S	Water Pump	603-1669	-	1
735B, 740B, 740B EJ	L4D, L4E, L4F		603-1668	10R-8660	
735B, 740B, 740B EJ	T4P, T4R, T4S	Engine Oil Pump	161-4113	0R-9449	1
735B, 740B, 740B EJ	L4D, L4E, L4F				
735B, 740B, 740B EJ	T4P, T4R, T4S	Fuel Priming Pump	434-3167 361-5084	-	1
735B, 740B, 740B EJ	L4D, L4E, L4F		247-6050		1
735B, 740B, 740B EJ	T4P, T4R, T4S	Fuel Transfer Pump	388-7287	20R-1528	1
735B, 740B, 740B EJ	L4D, L4E, L4F		384-8612	20R-1525	
735B, 740B, 740B EJ	T4P, T4R, T4S	Fuel Injector	359-4020	20R-1301	6
735B, 740B, 740B EJ	L4D, L4E, L4F		253-0616	10R-3265	6
735B, 740B, 740B EJ	T4P, T4R, T4S	Turbocharger	450-0544	20R-3864	1
735B, 740B, 740B EJ	L4D, L4E, L4F		362-0853	20R-3179	1
735B, 740B, 740B EJ	T4P, T4R, T4S	Starter	338-3454 590-9161	10R-9815	1
735B, 740B, 740B EJ	L4D, L4E, L4F			-	1
735B, 740B, 740B EJ	T4P, T4R, T4S	Alternator	561-3002 344-5081	20R-0053 20R-0958	1
735B, 740B, 740B EJ	L4D, L4E, L4F		200-2232 344-5081	0R-9940 20R-0958	1
735B, 740B, 740B EJ	T4P, T4R, T4S	Refrigerant Compressor	320-1291	-	1
735B, 740B, 740B EJ	L4D, L4E, L4F		472-0559		1
735B, 740B, 740B EJ	T4P, T4R, T4S	Clean Emission Module	362-8784	-	1
735B, 740B, 740B EJ	L4D, L4E, L4F		-		1

MAJOR COMPONENTS

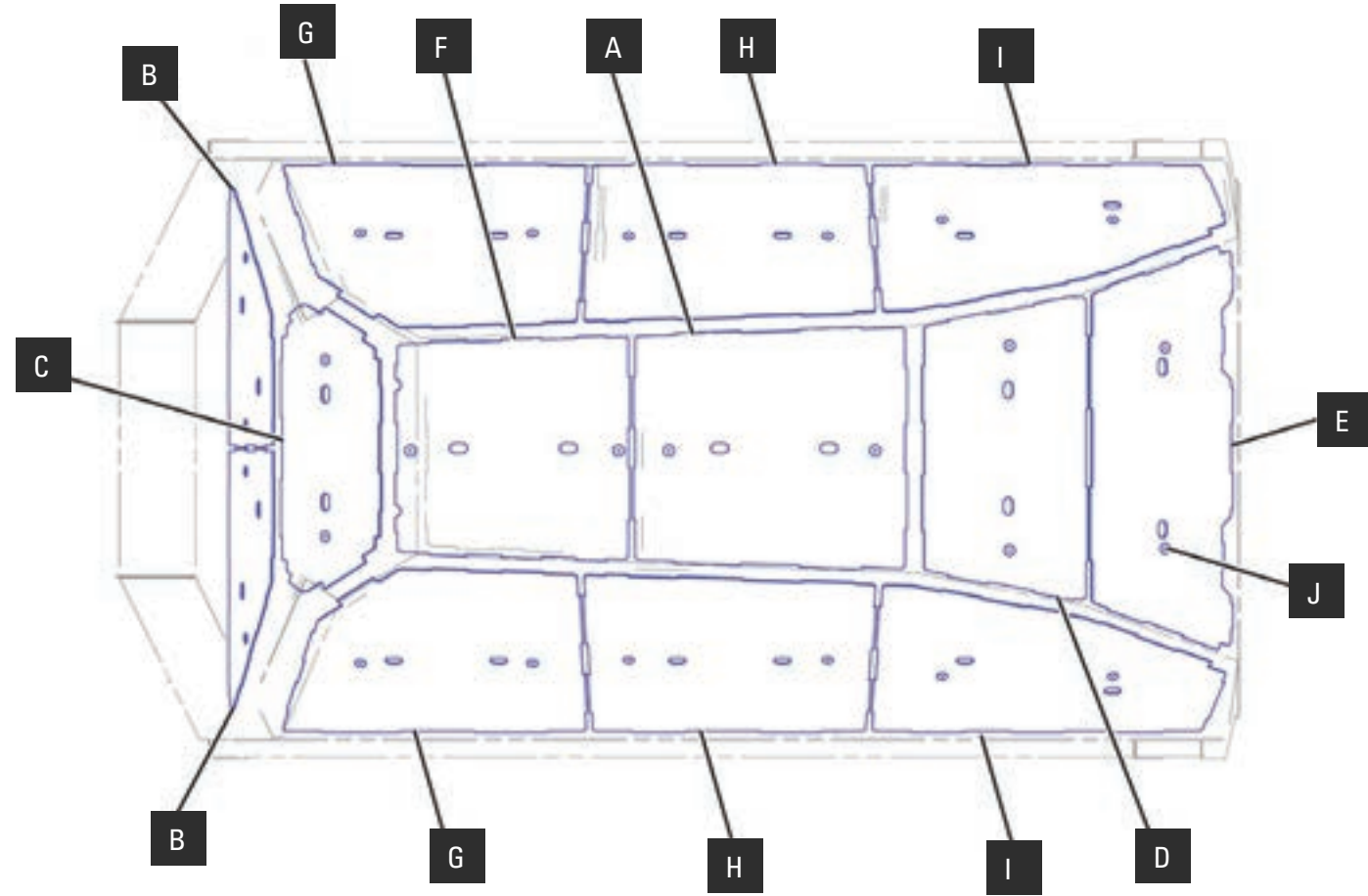
Sales Model	Serial Number Prefix	Description	New Part Number	Remanufactured Part Number	Quantity
735B, 740B, 740B EJ	T4P, T4R, T4S	Piston Steering Pump	346-4095	20R-3312	1
	L4D, L4E, L4F				
735B, 740B, 740B EJ	T4P, T4R, T4S	Piston Implement Pump	188-4455	-	1
	L4D, L4E, L4F				
735B, 740B, 740B EJ	T4P, T4R, T4S	Brake and Hydraulic Fan Piston Pump	187-9090 (Brake) 345-9962 (Fan)	10R-6685 (Brake)	1
	L4D, L4E, L4F				
735B, 740B, 740B EJ	T4P, T4R, T4S	Fan Motor	338-5721	-	1
	L4D, L4E, L4F				
735B, 740B, 740B EJ	T4P, T4R, T4S	Secondary Steering Pump	340-0917	-	1
	L4D, L4E, L4F				
735B, 740B, 740B EJ	T4P, T4R, T4S, L4D, L4E	Engine Mounted Powertrain Pump	433-7514	20R-6720	1
740B EJ	L4F		357-1663	20R-7444	
735B, 740B, 740B EJ	T4P, T4R, T4S	Transmission	303-2298	20R-3955	1
	L4D, L4E, L4F				
735B, 740B, 740B EJ	T4P, T4R, T4S	Output Transfer Gear	450-9233	20R-9567	1
	L4D, L4E, L4F				
735B, 740B, 740B EJ	T4P, T4R, T4S	Front Differential	356-4662	20R-9435	1
	L4D, L4E, L4F				
735B, 740B, 740B EJ	T4P, T4R, T4S, L4D, L4E, L4F	Center Differential	356-4663	30R-0368	1
735B, 740B, 740B EJ	T4P, T4R, T4S	Rear Differential	356-4662	20R-9435	1
	L4D, L4E, L4F				
735B, 740B, 740B EJ	T4P, T4R, T4S	Front, Center, Rear - Final Drive	371-0565 (Front)	20R-4632 (Front)	1
	L4D, L4E, L4F		371-0565 (Center) 325-4665 (Rear)	20R-4632 (Center) 20R-4631 (Rear)	
735B, 740B, 740B EJ	T4P, T4R, T4S	Driveshaft -Transmission to Output Transfer Gear	335-3240	-	1
	L4D, L4E, L4F				
735B, 740B, 740B EJ	T4P, T4R, T4S	Driveshaft -Output Transfer Gear to Front Axle	315-6178	-	1
	L4D, L4E, L4F				
735B, 740B, 740B EJ	T4P, T4R, T4S	Driveshaft -Output Transfer Gear to Hitch	397-8054	-	1
	L4D, L4E, L4F				
735B, 740B	T4P, T4R, L4D, L4E	Driveshaft -Hitch to Center Axle	397-8043	-	1
740B EJ	T4S, L4F		397-8061		
735B, 740B, 740B EJ	T4P, T4R, T4S	Driveshaft -Center to Rear Axle	184-6767	-	1
	L4D, L4E, L4F				

CYLINDERS AND KITS

Sales Model	Serial Number Prefix	Description	New Part Number	Remanufactured Part Number	Kit	Quantity
735B, 740B, 740B EJ	T4P, L4D, T4R, L4E, T4S, L4F	Front Suspension Cylinder, Left/Right	341-4124	-	-	2
735B	T4P, L4D	Hoist Cylinder	285-4033	-	-	2
740B	T4R, L4E		285-4034	11R-0061	-	
740B EJ	T4S, L4F	Ejector Cylinder	224-1176	-	-	1
740B EJ	T4S, L4F	Tailgate Cylinder	167-7329	-	-	2
735B, 740B, 740B EJ	T4P, L4D, T4R, L4E, T4S, L4F	Steering Cylinder, Left/Right	223-1335	20R-9633	-	2

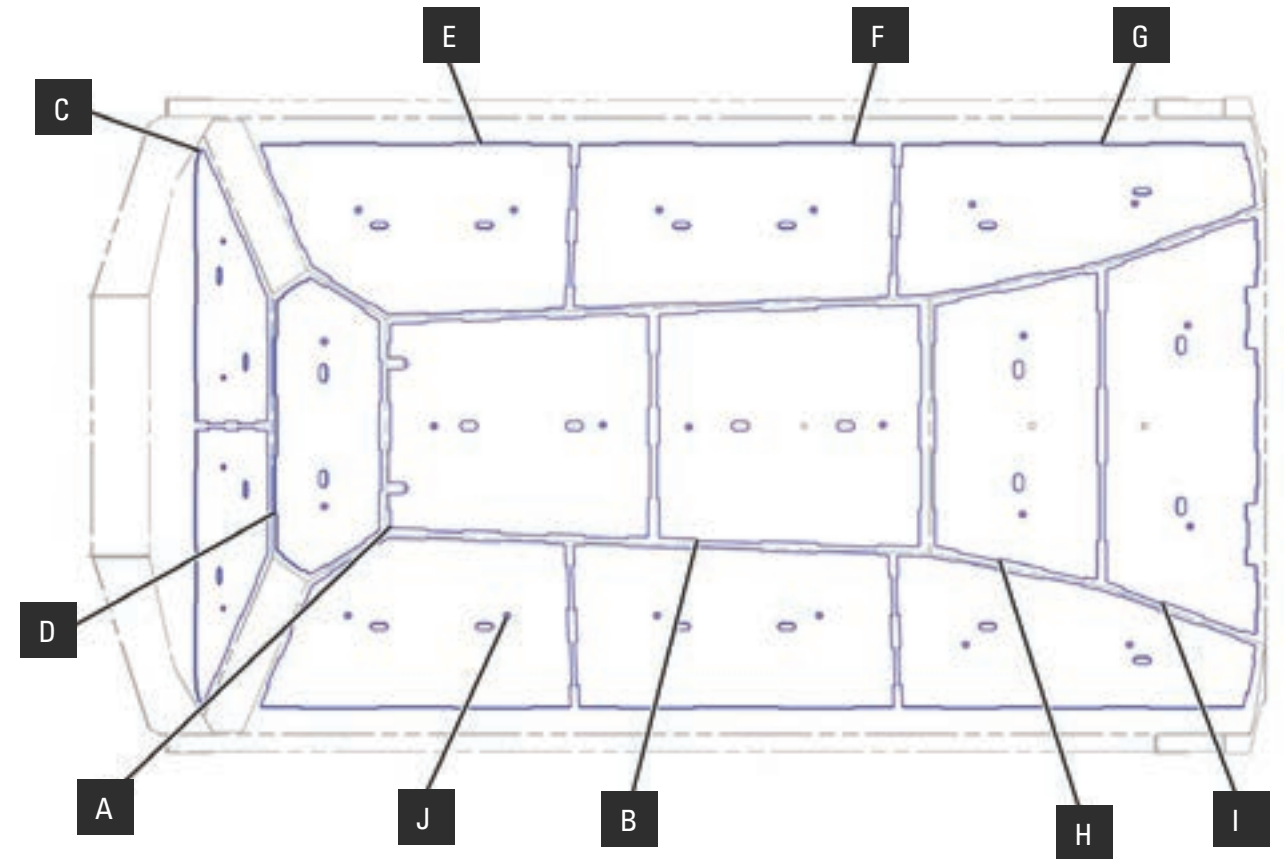


DUMP BODY LINERS



Sales Model	Serial Number Prefix	Item Location	Part Number	Quantity
735B	T4P, L4D	A	143-4002	1
		B	143-4005	2
		C	143-4006	1
		D	233-6950	1
		E	233-6951	1
		F	301-4831	1
		G	301-4832	2
		H	301-4833	2
		I	301-4834	2
		J	455-4819	26

DUMP BODY LINERS



Sales Model	Serial Number Prefix	Item Location	Part Number	Quantity
740B	T4R, L4E	A	143-4001	1
		B	143-4002	1
		C	143-4005	2
		D	143-4006	1
		E	143-4007	2
		F	143-4008	2
		G	143-4009	2
		H	233-6950	1
		I	233-6951	1
		J	455-4819	26



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 and can reach 20% before you detect a problem — that's one day of lost production every week! 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.

