



ARTICULATED TRUCKS, A SERIES

725, 730, 730 EJ, 735, 740, 740 EJ

PARTS REFERENCE GUIDE

SERIAL NUMBER PREFIXES: B1L, B1M, B1W, B1N, B1P, B1R

LET'S DO THE WORK.™



PROTECT YOUR INVESTMENT WITH GENUINE CAT® PARTS

Thank you for selecting the Cat® A 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® A 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

REPLACEMENT 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 Cat 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 Oil / Filter - Change	Primary Fuel Filter	Transmission / Transfer Gear	Transmission Oil Filter	Serpentine Belt
Sales Model	Serial Number Prefix	Filter Element	Water separator	Breather	Filter Element	Belt
725	B1L	1R-0716 (Standard) 1R-1808 (Advanced Efficiency)	513-4490	4H-6112	1R-0719 (Standard) 132-8875 (Ultra High)	230-7198
730	B1M			8X-4575 (Quantity 2)		164-4599
730 EJ	B1W					
735	B1N					
740	B1P					
740 EJ	B1R					

ARTICULATED TRUCK		Every 1,000 Hours							
		Transmission		Hydraulic System	Transfer Case Oil / Filter - Change		Hoist / Brake System	Steering System	
Sales Model	Serial Number Prefix	Breather	Oil Quantity - Gallon (Liters) - Change	Filter Element	Filter Element	Oil Quantity - Cat® TDTO Gallon (Liters) - Change	Oil Quantity - Gallon (Liters) - Change	Oil Quantity - Gallon (Liters) - Change	
725	B1L	4H-6112	9.5 (36)	132-8876	144-6691	4.8 (18)	39.9 (151)	39.9 (151)	
730	B1M					-	-		
730 EJ	B1W								
735	B1N00001 - B1N00879	8X-4575	19 (72)			6.3 (24)	4.8 (18)	61.6 (233)	25.6 (97)
	B1N00880 - B1N99999								
740	B1P					5 (19)	59.44 (225)	25.6 (97)	
740 EJ	B1R								

ARTICULATED TRUCK		Every 2,000 Hours								
		Front Differential	Center Differential	Rear Differential		Hydraulic Tank	Air Conditioning	Brake System		Axle - Front / Rear
Sales Model	Serial Number Prefix	Differential - Oil Quantity - TDTO Gallon (Liters) - Change	Differential - Oil Quantity - TDTO Gallon (Liters) - Change	Differential - Oil Quantity - TDTO Gallon (Liters) - Change	Final Drive - Oil Quantity - TDTO Gallon (Liters) - Change	Breather Element	A/C Receiver/Dryer	Control Valve Breather	Oil Quantity - TDTO Gallon (Liters) - Change	Breather
725	B1L	10.8 (41)	12.2 (46)	12.4 (47)	1.3 (5) Each	160-5615	175-7162	-	39.9 (151)	6U-1989
730	B1M					-		-		
730 EJ	B1W									
735	B1N	17.4 (66)	17.7 (67)	17.7 (67)		157-7911		61.6 (233)		
740	B1P								183-3873	
740 EJ	B1R									

PLANNED MAINTENANCE CONTINUED

ARTICULATED TRUCK		Every 3,000 Hours	
Sales Model	Serial Number Prefix	Cooling System Cap	Coolant Extender (ELC)
725	B1L	6L-8617	Quantity - Gallon (Liters)
730	B1M		
730 EJ	B1W		
735	B1N		
740	B1P		
740 EJ	B1R		

ARTICULATED TRUCK		Every 4,000 Hours	
Sales Model	Serial Number Prefix	Hydraulic Oil - Change	Steering System
725	B1L	Oil Quantity - Gallon (Liters) - Cat® HYDO	Oil Quantity - Gallon (Liters)
730	B1M	39.9 (151)	-
730 EJ	B1W	46.5 (176)	-
735	B1N	61.6 (233)	25.6 (97)
740	B1P	(Includes Brakes)	
740 EJ	B1R	59.44 (225) (Includes Brakes)	25.6 (97)

ARTICULATED TRUCK		Every 5,000 Hours
Sales Model	Serial Number Prefix	Drive Shaft Joints
725	B1L	Bolts
730	B1M	
730 EJ	B1W	
735	B1N	
740	B1P	
740 EJ	B1R	

ARTICULATED TRUCK		Every 6,000 Hours		
Sales Model	Serial Number Prefix	Engine Cooling System - Change	Extender	Seal
725	B1L	Cat® ELC Coolant Quantity - Gallon (Liter)	Quantity - Gallon (Liters)	Seal
730	B1M			
730 EJ	B1W			
735	B1N	17.7 (67)	0.42 (1.6)	227-5075
740	B1P			
740 EJ	B1R			21.1 (80)



PLANNED MAINTENANCE CONTINUED

ARTICULATED TRUCK		12,000 Hours	
		Engine Cooling System - Change	Extender
Sales Model	Serial Number Prefix	Cat® ELC Coolant Quantity - Gallon (Liter)	Quantity - Gallon (Liters)
725	B1L	17.7 (67)	0.42 (1.6)
730	B1M		
730 EJ	B1W		
735	B1N	21.1 (80)	
740	B1P		
740 EJ	B1R		

ARTICULATED TRUCK		Every 3 Years
		Cab
Sales Model	Serial Number Prefix	Seat Belt
ALL	ALL	222-0345



ARTICULATED TRUCK		When Required					
		Air Cleaner		Cabin Air	Ether Starting Aid	Engine	Window
Sales Model	Serial Number Prefix	Primary Filter	Secondary Filter	Filter	Cylinder	Serpentine Belt	Window Wiper
725	B1L	142-1339	142-1404	259-3222 -or- 266-7765*	7N-0296** 187-4851***	230-7198	6V-7419 (Front) 130-7034 (Rear)
730	B1M						
730 EJ	B1W						
735	B1N	142-1340 (Standard) 220-0454 (Ultra High Efficiency)	142-1403		-	164-4599	
740	B1P						
740 EJ	B1R						

*Part numbers are interchangeable

**For models sold into North America

***For models sold into Europe, Africa, and Middle East

ENGINE*

Sales Model	Serial Number Prefix	Description	New Part Number	Remanufactured Part Number	Quantity	
725	B1L	Engine	292-9282	20R-1792 (Complete Engine) 10R-9210 (Short Block) 20R-3913 (Long Block)	1	
730	B1M		292-9283			1
730 EJ	B1W					1
735	B1N		360-2166	10R-9063 (Short Block) 10R-9068 (Long Block)	1	
740	B1P		316-0602	20R-0768 (Complete Engine) 10R-9063 (Short Block) 10R-9068 (Long Block)	1	
740 EJ	B1R				1	

*Confirm with your Cat 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
725	B1L	Water Pump	611-3867	10R-2129	1
730	B1M				
730 EJ	B1W		336-2213	10R-8660	1
735	B1N				
740	B1P				
740 EJ	B1R				
ALL	ALL	Fuel Priming Pump	190-8970	-	1
ALL	ALL	Fuel Transfer Pump	384-8612	20R-1525	1
725	B1L	Fuel Injector	249-0712	10R-3147	6
730	B1M		249-0713	10R-3262	6
730 EJ	B1W		374-0750	20R-2284	6
735	B1N				6
740	B1P		253-0615		6
740 EJ	B1R				6
725	B1L	Engine Oil Pump	233-5220	10R-2296	1
730	B1M				
730 EJ	B1W				
735	B1N		161-4113	0R-9449	1
740	B1P				
740 EJ	B1R				
725	B1L	Turbocharger	234-6757 255-8862	10R-1931 10R-8970	1
730	B1M				
730 EJ	B1W		362-0856 362-0857	20R-2921 10R-2039	1
735	B1N				
740	B1P		357-7354	10R-9815	1
740 EJ	B1R				
725	B1L	Starter	357-7354	10R-9815	1
730	B1M				
730 EJ	B1W				
735	B1N		207-1556	10R-0400	1
740	B1P				
740 EJ	B1R				
725	B1L	Alternator	200-2232	0R-9940	1
730	B1M				
730 EJ	B1W				
735	B1N		185-5294	10R-9788	1
740	B1P				
740 EJ	B1R				

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

MAJOR COMPONENTS

Sales Model	Serial Number Prefix	Description	New Part Number	Remanufactured Part Number	Quantity
725, 730, 730 EJ	B1L, B1M, B1W	Piston Steering Pump	240-2647	-	1
735, 740, 740 EJ	B1N, B1P, B1R		224-4431 346-4095	-	1
725, 730, 730 EJ	B1L, B1M, B1W	Piston Implement Pump	240-2647	-	1
735, 740, 740 EJ	B1N, B1P, B1R		188-4455	-	1
725, 730	B1L, B1M	Brake and Hydraulic Fan Piston Pump	240-2647	10R-6688	1
730 EJ	B1W		234-5597	-	1
735, 740, 740 EJ	B1N, B1P, B1R		187-9090 (Brake) 210-0053 (Fan)	10R-6685 (Brake) 10R-7970 (Fan)	1
ALL	ALL	Hydraulic Fan Motor	240-6746 293-6517	-	1
725	B1L00001 - B1L00417	Secondary Steering Pump	173-8787	-	1
	B1L00418 - B1L99999		253-8095	-	1
730	B1M00001 - B1M00340		173-8787	-	1
	B1M00341 - B1M99999		253-8095	-	1
730 EJ	B1W00001 - B1W00172		173-8787	-	1
	B1W00173 - B1W99999		253-8095	-	1
735, 740, 740 EJ	B1N, B1P, B1R		141-6389	-	1
725, 730, 730 EJ	B1L, B1M, B1W		250-7651	-	1
735, 740, 740 EJ	B1N, B1P, B1R	358-6791	20R-7442	1	
725, 730, 730 EJ	B1L, B1M, B1W	Transmission	233-0222	10R-8426	1
735	B1N		227-0923*	10R-8423*	1
			223-7680**	10R-1115**	1
740	B1P		227-0923*	10R-8423*	1
			223-7680**	10R-1115**	1
740 EJ	B1R		227-0923*	10R-8423*	1
			223-7680**	10R-1115**	1
725, 730, 730 EJ	B1L, B1M, B1W		229-9334	-	1
735, 740, 740 EJ	B1N, B1P, B1R	243-4030	20R-9566	1	
725, 730	B1L, B1M	Front Differential	282-6916	-	1
730 EJ	B1W		282-6924	-	1
735, 740, 740 EJ	B1N, B1P, B1R	148-7200	20R-9434	1	
725	B1L	Center Differential	371-1063	-	1
730	B1M		320-1111 or 371-1063	-	1
			320-1111	-	1
730 EJ	B1W		154-0300	30R-0367	1
725, 730	B1L, B1M	Rear Differential	282-6916	-	1
730 EJ	B1W		282-6924	-	1
735, 740, 740 EJ	B1N, B1P, B1R	148-7200	20R-9434	1	
725, 730	B1L, B1M	Front - Final Drive	322-7323	-	1
730 EJ	B1W		322-7324	20R-9431	1
735, 740, 740 EJ	B1N, B1P, B1R		217-6290	20R-9250	1
725, 730	B1L, B1M	Center - Final Drive	322-7323	-	1
730 EJ	B1W		147-5225	-	1
735, 740, 740 EJ	B1N, B1P, B1R		217-6290	20R-9250	1

MAJOR COMPONENTS CONTINUED

Sales Model	Serial Number Prefix	Description	New Part Number	Remanufactured Part Number	Quantity
725, 730	B1L, B1M	Rear - Final Drive	201-3268	-	1
730 EJ	B1W		322-7324	20R-9431	1
735, 740, 740 EJ	B1N, B1P, B1R		141-6054	20R-9249	1
725, 730, 730 EJ	B1L, B1M, B1W	Driveshaft - Transmission to Output Transfer Gear	174-0084	-	1
735	B1N00001 - B1N00879		188-0866	-	1
	B1N00880 - B1N99999		186-6357	-	1
740, 740 EJ	B1P, B1R	200-7735	-	1	
725, 730, 730 EJ	B1L, B1M, B1W	Driveshaft - Output Transfer Gear to Front Axle	217-2832	-	1
735	B1N00001 - B1N00879		184-6766	-	1
	B1N00880 - B1N99999	186-6356	-	1	
740, 740 EJ	B1P, B1R	172-4454	-	1	
725, 730, 730 EJ	B1L, B1M, B1W	Driveshaft - Output Transfer Gear to Hitch	397-8054	-	1
735, 740, 740 EJ	B1N, B1R, B1P		174-0080	-	1
725, 730, 730 EJ	B1L, B1M, B1W	Driveshaft - Hitch to Center Axle	187-2677	-	1
735	B1N00001 - B1N00879		-	-	1
	B1N00880 - B1N99999		173-0888	-	1
740, 740 EJ	B1P, B1R	200-7736	-	1	
725, 730, 730 EJ	B1L, B1M, B1W	Driveshaft - Center to Rear Axle	187-2676	-	1
735	B1N00001 - B1N00879		-	-	1
	B1N00880 - B1N99999		184-6767	-	1
740, 740 EJ	B1P, B1R				

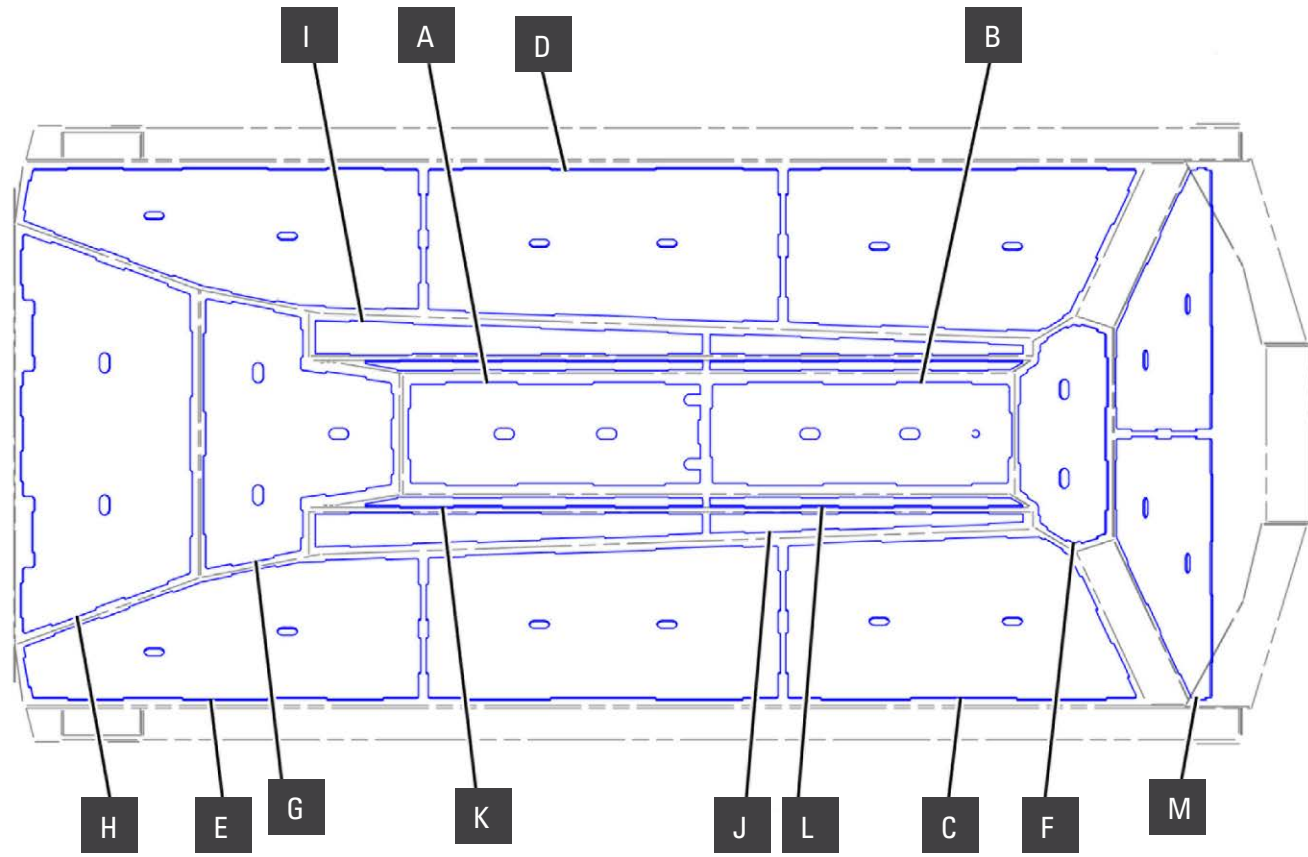
*Applicable only to transmission serial number prefix MRF

**Applicable only to transmission serial number prefix JMC or JMK

CYLINDERS AND KITS

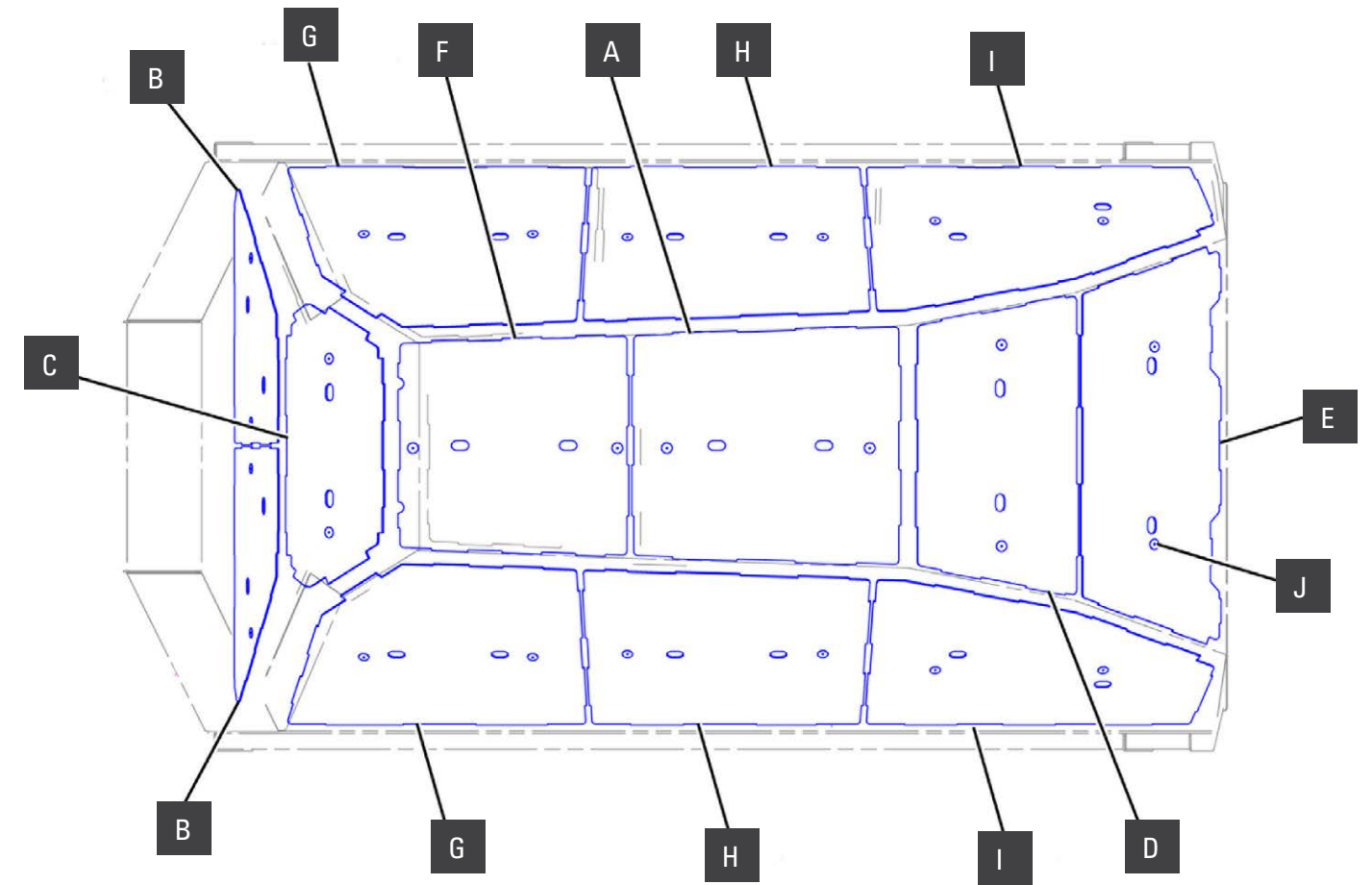
Sales Model	Serial Number Prefix	Description	New Part Number	Remanufactured Part Number	Kit	Quantity
725, 730, 730 EJ	B1L, B1M, B1W	Front Suspension Cylinder, Left/Right	341-4122	-	416-0092	2
735, 740, 740 EJ	B1N, B1P, B1R		341-4124	-		
725	B1L	Hoist Cylinder	285-4031	-	449-7672	2
730	B1M		285-4032	20R-9527		
735	B1N		285-4033	-		
740	B1P		285-4034	11R-0061		
730 EJ	B1W	Ejector Cylinder	270-4484	-	-	1
740 EJ	B1R		224-1176	-		
730 EJ	B1W	Tailgate Cylinder	203-7847	-	439-8573	1
740 EJ	B1R		167-7329	-		
725, 730, 730 EJ	B1L, B1M, B1W	Steering Cylinder, Right	273-3267	-	-	1
735, 740, 740 EJ	B1N, B1P, B1R		223-1335	20R-9633		
725, 730, 730 EJ	B1L, B1M, B1W	Steering Cylinder, Left	273-3266	-	-	1
735, 740, 740 EJ	B1N, B1P, B1R		223-1335	20R-9633		

DUMP BODY LINERS



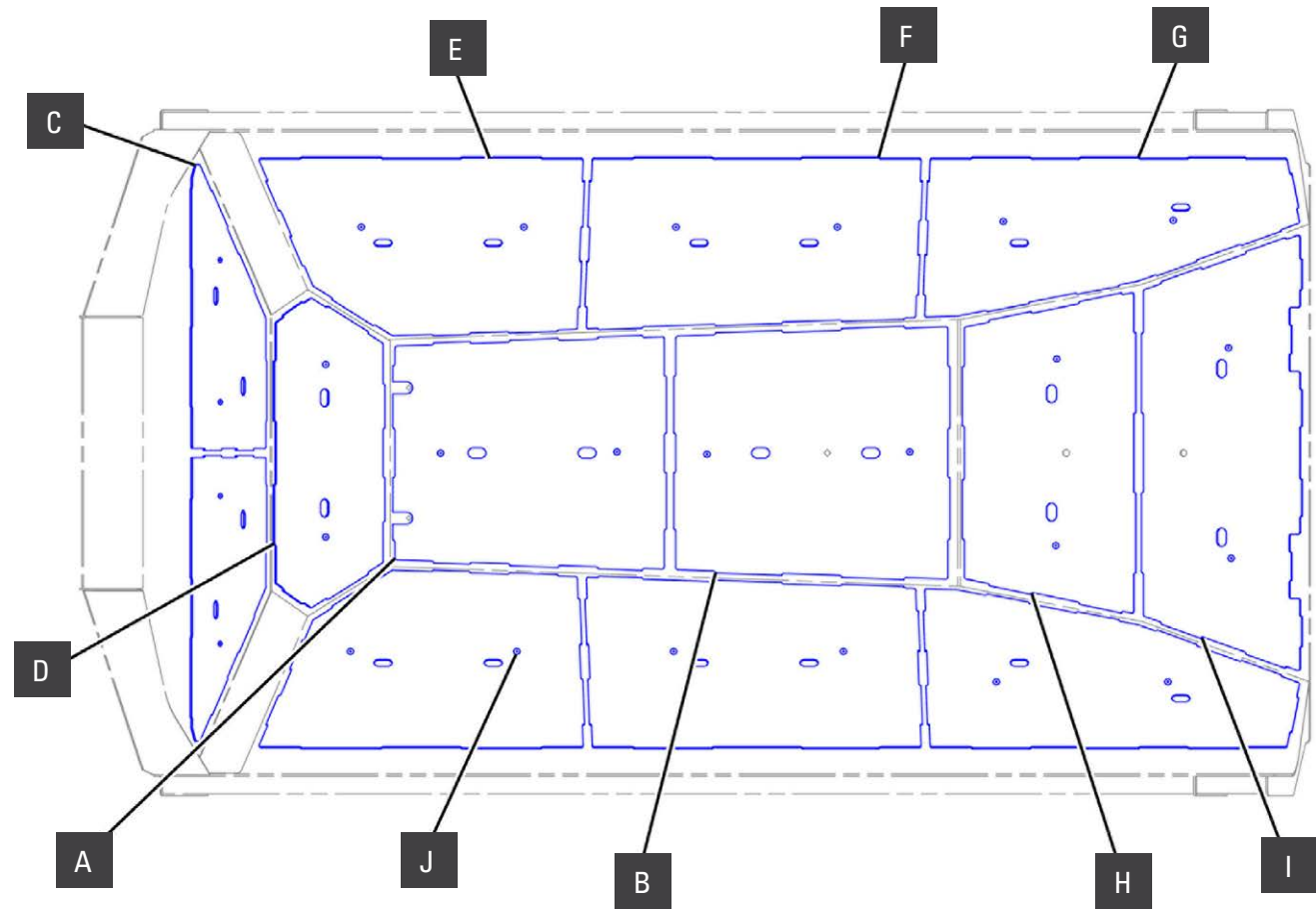
Sales Model	Serial Number Prefix	Item Location	Part Number	Quantity
725, 730	B1L, B1M	A	232-0501	1
		B	232-0502	1
		C	232-0503	2
		D	232-0504	2
		E	232-0505	2
		F	232-0506	1
		G	232-0507	1
		H	232-0508	1
		I	232-1674	2
		J	232-1675	2
		K	232-3022	2
		L	232-3023	2
		M	234-9456	2

DUMP BODY LINERS



Sales Model	Serial Number Prefix	Item Location	Part Number	Quantity
735	B1N	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
740	B1P	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

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