

## ● Diesel-engine Automobiles ● ディーゼル車 ●

Engine Type	Exhaust quantity (c.c.)	Vehicle Model Chassis Type	NPR Catalog Code	Cyl No.	Position	Size (mm)			Shape	Material	Surface Treatment		Reference
						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper/Lower	
<b>3KA1 3KB1</b>	877	For Industrial Machine	<b>SDI10105ZZ</b>	3	1st	70.0	2.0	2.9	BF	HB	Cr	Fe	8-94131-493-0 (cyl)
					2nd	70.0	1.5	3.1	T1	CR	Fe	Fe	
					Oil	70.0	3.5	3.25	E-BC3	CR	Cr	Fe	
<b>3KC1</b>	877	For Industrial Machine	<b>SDI10102ZZ</b>	3	1st	74.0	2.0	2.9	BF	HB	Cr	Fe	5-12121-031-0 (cyl)
					2nd	74.0	1.5	3.1	T1	CR	Fe	Fe	
					Oil	74.0	3.5	3.25	E-BC3	CR	Cr	Fe	
<b>4EC1</b>	1,487	Gemini	<b>SDI10143ZZ</b>	4	1st	76.0	2.0	3.1	BF	HB	Cr	Fe	8-94144-187-0 8-94332-767-1
					2nd	76.0	1.5	3.1	T1	CR	Cr	Fe	
					Oil	76.0	3.0	3.25	E-BC16	SR	GN	GN	
<b>4FE1</b>	1,487	Fork Lift	<b>SDI10212ZZ</b>	4	1st	76.3	2.0	3.5	BF	CR	Cr	Fe	8-94169-748-0
					2nd	76.3	2.0	3.5	T1	CR	Cr	Fe	
					Oil	76.3	4.0	3.7	E-BC16	CR	Cr	Fe	
<b>4LC1</b>	1,731	For Industrial Machine	<b>SJI10213ZZ</b>	4	1st	77.4	2.0	3.1	BF	HB	Cr	Cr	8-97034-609-0
					2nd	77.4	1.5	3.2	T1	CR	Fe	Fe	
					Oil	77.4	3.5	3.25	E-BC16	HB	Cr	Fe	
<b>4EE2</b>	1,686	Gemini	<b>SDI10202ZZ</b>	4	1st	79.0	2.0	2.7	BF	SR	GN	GN	8-94381-709-1
					2nd	79.0	1.5	3.3	TUC	CR	Fe	Fe	
					Oil	79.0	3.0	3.25	E-BC16	SR	GN	GN	
<b>RZ4E-TC</b>	1,897	D-MAX	<b>SDI10234ZZ (TCC-J-0080)</b>	4	1st	80.0	2.0	2.7	BF-K2	SR	PC	GN	8-98333-347-0
					2nd	80.0	1.5	2.7	TUC	SR	GN	GN	
					Oil	80.0	2.0	2.74	E-BC16	SR	GN	GN	
<b>3KR1</b>	1,422	For Industrial Machine	<b>SDI10113ZZ</b>	3	1st	81.0	2.0	3.4	BF	HB	Cr	Fe	5-12121-029-0 (cyl)
					2nd	81.0	1.75	3.4	T1	CR	Fe	Fe	
					Oil	81.0	4.0	3.9	E-BC3	CR	Cr	Fe	
<b>C220</b>	2,207	Truck	<b>SDI10013ZZ</b>	4	1st	83.0	2.0	3.4	T1	CR	Fe	Fe	9-12181-100-0 9-12181-057-0
		Elf			2nd	83.0	2.0	3.4	T1	CR	Fe	Fe	
		TLD11 TLD60			3rd	83.0	2.0	3.4	TUC	CR	Fe	Fe	
		TKD11 TLD30			Oil 1	83.0	4.0	3.8	E-C1	CR	Fe	Fe	
		TLD30V			Oil 2	83.0	4.0	3.4	BC1	CR	Fe	Fe	
		Bus											
BLD11 TLD21B													
For Chromard Liner													
<b>C221</b>	2,207	Truck	<b>SDI10017ZZ</b>	4	1st	83.0	2.0	3.4	T1	CR	Fe	Fe	5-12181-122-0
		Elf			2nd	83.0	2.0	3.4	T1	CR	Fe	Fe	
		For Chromard Liner			3rd	83.0	2.0	3.4	TUC	CR	Fe	Fe	
					Oil 1	83.0	5.0	3.8	E-BC3	CR	Fe	Fe	
					Oil 2	83.0	5.0	3.4	BC1	CR	Fe	Fe	

Engine Type	Exhaust quantity (c.c.)	Vehicle Model Chassis Type	NPR Catalog Code	Cyl No.	Position	Size (mm)			Shape	Material	Surface Treatment		Reference
						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper / Lower	
<b>C201PT</b>	2,207	Truck Elf	<b>SDI10018ZX</b>	4	1st	83.0	2.0	3.1	BF	SR	GN	GN	5-12181-005-0
					2nd	83.0	2.0	3.4	T1	CR	Cr	Fe	5-12121-013-0 (cyl)
					3rd	83.0	2.0	3.4	TUC	CR	Fe	Fe	
					Oil 1	83.0	5.0	3.8	E-BC16	HB	Cr	Fe	
					Oil 2	83.0	5.0	3.4	BC1	CR	Fe	Fe	
<b>3LD1</b>	1,496	For Industrial Machine	<b>SDI10229ZZ</b>	3	1st	83.1	2.0	3.1	BF	SR	GN	GN	8-97113-503
					2nd	83.1	1.75	3.6	TUC	CR	Fe	Fe	
					Oil	83.1	4.0	4.35	E-BC16	SR	GN	GN	
<b>4FB1</b>	1,817	Gemini	<b>SDI10086ZX</b>	4	1st	84.0	2.5	3.25	BF	SR	Cr	Fe	8-94224-221-0(cyl)
					2nd	84.0	2.0	3.5	T1	CR	Cr	Fe	
					Oil	84.0	4.0	4.35	E-BC16	SR	GN	GN	
<b>4FC1(T)</b>	1,995	Aska Fargo	<b>SJI10109ZZ</b>	4	1st	84.0	2.5	3.5	BF-K2	HB	Cr	Fe	8-94139-973-0 (cyl)
					2nd	84.0	2.0	3.5	T1	CR	Cr	Cr	
					Oil	84.0	4.0	4.2	E-BC3	CR	Cr	Fe	
<b>4JD1</b>	2,800	Mu	<b>SDI10121ZX</b>	4	1st	84.0	2.0	3.1	BF	SR	GN	GN	8-94318-702-0 (cyl)
					2nd	84.0	2.0	3.5	T1	CR	Cr	Fe	
					Oil	84.0	4.0	4.35	E-BC16	SR	GN	GN	
<b>4LE1</b>	2,179	For Industrial Machine	<b>SJI10216ZZ</b>	4	1st	85.0	2.0	3.35	BF	HB	Cr	Cr	8-97141-208-0
					2nd	85.0	1.75	3.7	T1-IB	CR	Fe	Fe	
					Oil	85.0	4.0	4.1	E-BC16	SR	Cr	Fe	
<b>C240</b>	2,369	Truck Elf Florian Journey For Chromard Liner	<b>SDI10047ZZ</b>	4	1st	86.0	2.0	3.5	T1	CR	Fe	Fe	9-12181-138-0
					2nd	86.0	2.0	3.5	T1	CR	Fe	Fe	
					3rd	86.0	2.0	3.5	TUC	CR	Fe	Fe	
					Oil 1	86.0	5.0	3.9	E-BC3	CR	Fe	Fe	
					Oil 2	86.0	5.0	3.5	BC1	CR	Fe	Fe	
<b>C190</b>	1,951	Truck Elf For Chromard Liner	<b>SDI10051ZZ</b>	4	1st	86.0	2.0	3.5	T1	CR	Fe	Fe	9-12181-603-0
					2nd	86.0	2.0	3.5	T1	CR	Fe	Fe	5-12181-027-0
					3rd	86.0	2.0	3.5	TUC	CR	Fe	Fe	9-12181-603-0
<b>C240</b>	2,369				Oil	86.0	5.0	4.2	E-BC3	CR	Fe	Fe	9-12181-605-0
<b>2AB1</b>	1,184	For Industrial Machine	<b>SJI10068ZZ</b>	2	1st	86.0	2.0	3.5	BF	HB	Cr	Cr	5-12181-010-2
					2nd	86.0	2.0	3.5	T1	CR	Cr	Fe	5-12121-010-0
					3rd	86.0	2.0	3.5	TUC	CR	Fe	Fe	
					Oil	86.0	5.0	4.3	E-BC3	CR	Cr	Fe	
<b>3AB1</b>	1,777	For Industrial Machine	<b>SJI10069ZZ</b>	3	1st	86.0	2.0	3.5	BF	HB	Cr	Cr	5-12181-011-2
					2nd	86.0	2.0	3.5	T1	CR	Cr	Fe	5-12121-010-0 (cyl)
					3rd	86.0	2.0	3.5	TUC	CR	Fe	Fe	
					Oil	86.0	5.0	4.3	E-BC3	CR	Cr	Fe	
<b>C190G</b>	1,951	Florian Van	<b>SDI10083ZX</b>	4	1st	86.0	2.0	3.25	BF	SR	Cr	Fe	5-12121-008-0 (cyl)
					2nd	86.0	2.0	3.5	T1	CR	Cr	Fe	
					3rd	86.0	2.0	3.5	TUC	CR	Cr	Fe	
					Oil	86.0	5.0	4.3	E-BC3	CR	Cr	Fe	

Engine Type	Exhaust quantity (c.c.)	Vehicle Model Chassis Type	NPR Catalog Code	Cyl No.	Position	Size (mm)			Shape	Material	Surface Treatment		Reference
						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper/Lower	
<b>C190</b>	1,951	Truck Elf 150	<b>SDI10093ZZ</b>	4	1st	86.0	2.5	4.0	BF	HB	Cr	Fe	8-94104-954-0 (cyl)
<b>C240</b>	2,369				2nd	86.0	2.0	3.5	T1-IC	CR	Cr	Fe	5-12121-022-0 (cyl)
					Oil	86.0	5.0	4.3	E-BC3	CR	Cr	Fe	5-12121-022-01 (cyl)
<b>C190</b>	1,951	Truck Elf 150 For Chromard	<b>SDI10095ZZ</b>	4	1st	86.0	2.5	3.8	T1	CR	Fe	Fe	8-94104-949-0 (cyl)
<b>C240</b>	2,369				2nd	86.0	2.0	3.5	TUC	CR	Fe	Fe	5-12121-021-0 (cyl)
					Oil	86.0	5.0	4.2	E-BC3	CR	Fe	Fe	
<b>C240PKG</b>	2,369	Truck Elf For Chromard Liner	<b>SDI10122ZZ</b>	4	1st	86.0	2.5	3.8	BF	CR	Fe	Fe	8-94471-442-0
<b>C223</b>	2,238	117 Coupe	<b>SJI10089ZZ</b>	4	1st	88.0	2.5	4.0	BF	HB	Cr	Cr	5-12121-017-0(cyl)
					2nd	88.0	2.0	4.0	TUC	CR	Cr	Cr	8-94100-355-0 (cyl)
					Oil	88.0	4.5	4.7	E-BC3	CR	Cr	Fe	
<b>C223</b>	2,238	Rodeo Bighorn For Chromard Liner	<b>SJI10099ZZ</b>	4	1st	88.0	2.5	4.0	BF	CR	Fe	Cr	5-12121-024-0(cyl)
					2nd	88.0	2.0	4.0	TUC	CR	Fe	Cr	
					Oil	88.0	4.5	4.7	E-BC3	CR	Fe	Fe	
<b>C223 4FD1</b>	2,238	Rodeo Bighorn	<b>SDI10101ZX</b>	4	1st	88.0	2.0	3.25	BF	SR	Cr	Fe	8-94250-730-0 (cyl)
<b>C223</b>	2,238	Rodeo Bighorn For Chromard Liner	<b>SDI10103ZZ</b>	4	2nd	88.0	2.0	3.55	TUC	CR	Cr	Fe	
					Oil	88.0	4.0	4.35	E-BC16	SR	GN	GN	
					1st	88.0	2.0	3.5	BF	CR	Fe	Fe	8-94253-736-0 (cyl)
<b>C223T</b>	2,238	Truck Faster Hi Pack Van	<b>SJI10111ZZ</b>	4	2nd	88.0	2.0	3.55	TUC	CR	Cr	Fe	8-94408-207-0 (cyl)
					Oil	88.0	4.0	4.0	E-BC3	CR	Fe	Fe	
					1st	88.0	2.5	4.0	BF	HB	Cr	Cr	8-94158-084-0(cyl)
<b>D201</b>	2,229	For Industrial Machine	<b>SDI10124ZX</b>	4	2nd	88.0	2.0	3.7	T1-IC	CR	Cr	Fe	
					3rd	88.0	2.0	3.7	BI-TUC	CR	Fe	Fe	
					Oil	88.0	4.0	4.15	E-BC16	SR	GN	GN	
<b>4FG1-1</b>	2,771	Fargo	<b>SDI10272ZZ</b>	4	1st	89.3	2.0	3.1	BF	SR	GN	GN	8-94469-634-0
					2nd	89.3	2.0	3.7	T1	CR	Cr	Fe	
					Oil	89.3	4.0	4.15	E-BC16	SR	Cr	Fe	

Engine Type	Exhaust quantity (c.c.)	Vehicle Model Chassis Type	NPR Catalog Code	Cyl No.	Position	Size (mm)			Shape	Material	Surface Treatment		Reference	
						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper / Lower		
<b>4JB1</b>	2,771	Truck Elf 150 For Chromard Liner	<b>SDI10110ZX</b>	4	1st	93.0	2.0	3.5	BF	SR	GN	GN	8-94247-867-0(cyl) 5-87311082-0(cyl) 97710771(cyl)	
					2nd	93.0	2.0	4.0	TUC	CR	Fe	Fe		
					Oil	93.0	4.0	4.35	E-BC16	SR	GN	GN		
<b>4JK1-TC</b>	2,499	Truck Elf Mu Rodeo D-MAX For Chromard Liner	<b>SDI10211ZZ</b>	4	1st	93.0	2.0	4.0	BF	CR	Fe	Fe	8-97319-087-0 5-87310-519-0	
					2nd	93.0	2.0	4.0	TUC	CR	Fe	Fe		
					Oil	93.0	4.0	4.35	E-BC16	SR	GN	GN		
<b>4JG1</b>	3,059	Truck Elf Bighorn For Chromard Liner	<b>SDI10129ZZ</b>	4	1st	95.4	2.0	4.0	BF	CR	Fe	Fe	8-94379-486-0	
					2nd	95.4	2.0	4.0	T1	CR	Fe	Fe		
					Oil	95.4	4.0	4.1	E-BC3	CR	Fe	Fe		
<b>4JG2</b>	3,059	Bighorn Truck Elf For Chromard Liner	<b>SDI10130ZZ</b>	4	1st	95.4	2.296	4.0	BF-K1	CR	Fe	Fe	8-94370-449-0	
					2nd	95.4	2.0	4.0	T1	CR	Fe	Fe		
					Oil	95.4	4.0	4.1	E-BC3	CR	Fe	Fe		
			<b>SDI10141ZZ</b>	4	1st	95.4	2.5	4.0	BF-IB	CR	Fe	Fe		8-97080-215-0
					2nd	95.4	2.0	4.0	T1-IB	CR	Fe	Fe		
					Oil	95.4	4.0	4.45	E-BC16	SR	GN	GN		
<b>4JH1</b>	3,059	D-MAX For Chromard Liner	<b>SDI10193ZZ</b>	4	1st	95.4	2.5	4.0	BF	CR	Fe	Fe	8-97941-122-0 8-97259-941-0	
					2nd	95.4	2.0	3.8	TUC	CR	Fe	Fe		
					Oil	95.4	3.0	3.25	E-BC16	SR	GN	GN		
<b>4JJ1-TC</b>	2,999	Truck Elf	<b>SDI10215ZZ</b>	4	1st	95.4	2.0	3.45	BF-K2	SR	GN	GN	8-98053-579-0	
					2nd	95.4	2.0	4.4	T1-IC	CR	Cr	Fe		
					Oil	95.4	3.0	3.0	E-BC16	SR	GN	GN		
			<b>SDI10210ZY</b>	4	1st	95.4	2.0	3.45	BF-K2	SR	GN	GN		8-97388-734-0 8-98096-676-0 8-98173-004-0
					2nd	95.4	1.5	4.0	T1	CR	Fe	Fe		
					Oil	95.4	3.0	3.0	E-BC16	SR	GN	GN		
			<b>SDI10209ZZ</b>	4	1st	95.4	2.0	3.45	BF-K2	SR	GN	GN		8-98057-222-0 8-98171-040-0 8-98249-715-0
					2nd	95.4	1.5	3.5	T1	SR	GN	GN		
					Oil	95.4	3.0	3.0	E-BC16	SR	GN	GN		
<b>4JX1</b>	2,999	Mu Bighorn Wizard	<b>SDI10171ZZ</b>	4	1st	95.4	2.448	4.0	BF-K1	HB	Cr	Fe	8-97184-533-0	
					2nd	95.4	2.0	4.0	T1-IC	CR	Cr	Fe		
					Oil	95.4	4.0	4.35	E-BC16	SR	GN	GN		
<b>4KH1</b>	2,999	Sweeper Truck	<b>SDI10224ZZ</b>	4	1st	95.4	2.5	3.5	BF	SR	GN	GN	8-98188-644-0	
					2nd	95.4	2.0	3.5	TUC	SR	GN	GN		
					Oil	95.4	3.0	3.0	E-BC16	SR	GN	GN		

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						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper/Lower	
<b>C330</b>	3,318	Elf 250 For Chromard Liner	<b>SJ110049ZZ</b>	4	1st	98.0	3.0	3.9	BF	CR	Fe	Cr	9-12181-801-0
					2nd	98.0	2.5	3.9	TUC	CR	Fe	Fe	9-12181-619-0
					Oil	98.0	5.0	4.7	E-BC3	CR	Fe	Fe	
<b>4BA1</b>	2,775	Truck Elf TLD34・44・54 TLD26・64 For Chromard Liner	<b>SJ110071ZZ</b>	4	1st	98.0	3.0	3.9	BF	CR	Fe	Cr	5-12181-025-0
					2nd	98.0	2.5	3.9	TUC	CR	Fe	Fe	5-12121-019-0 (cyl)
					Oil	98.0	5.0	4.7	E-BC3	CR	Fe	Fe	5-12121-001-0
													9-12181-601-0
												9-12181-801-0	
												9-12181-619-0	
<b>DA120</b>	6,126	TX TS TW TXD	<b>SJ110028ZZ</b>	6	1st	100.0	2.5	4.0	P	CR	Cr	Cr	12181-063
					2nd	100.0	2.5	4.0	T1	CR	Fe	Fe	12181-091
					3rd	100.0	2.5	4.0	T1	CR	Fe	Fe	
					Oil 1	100.0	4.0	4.1	E-C1	CR	Cr	Fe	
					Oil 2	100.0	4.0	4.0	BC1	CR	Fe	Fe	
	Bus BA4341P・343 BA351・BA541 BA543 BA551 BB341・BA351 BA551・BB351 BX352・531 BX552 For Industrial Machine	<b>SD110061ZX</b>	6	1st	100.0	2.5	3.85	BF	SR	Cr	Fe	1-12181-036-0	
				2nd	100.0	2.5	4.4	T1-IC	CR	Fe	Fe	1-12181-087-0	
				3rd	100.0	2.5	4.4	BI-TUC	CR	Fe	Fe	1-12181-109-0	
				Oil	100.0	5.0	4.95	E-BC16	SR	GN	GN	1-12181-128-0	
												1-12121-001-0 (cyl)	
											1-12181-005-0 (cyl)		
For Industrial Machine	<b>SD110076ZZ</b>	6	1st	100.0	3.0	4.4	BF	CR	Cr	Fe	1-12181-040-0		
			2nd	100.0	2.5	4.4	T1-IC	CR	Fe	Fe	1-12121-007-0 (cyl)		
			3rd	100.0	2.5	4.4	BI-TUC	CR	Fe	Fe			
			Oil	100.0	5.0	4.8	E-BC3	CR	Cr	Fe			
<b>DA220</b>	4,084	For Industrial Machine	<b>SJ110029ZZ</b>	4	1st	100.0	2.5	4.0	P	CR	Cr	Cr	9-12181-093-0
					2nd	100.0	2.5	4.0	T1	CR	Fe	Fe	
					3rd	100.0	2.5	4.0	T1	CR	Fe	Fe	
					Oil 1	100.0	4.0	4.1	E-C1	CR	Cr	Fe	
					Oil 2	100.0	4.0	4.0	BC1	CR	Fe	Fe	
<b>SJ110062ZZ</b>	4	1st	100.0	2.5	4.2	BF	HB	Cr	Cr	1-12181-006-0			
		2nd	100.0	2.5	4.4	T1-IC	CR	Fe	Fe	1-12181-038-0			
		3rd	100.0	2.5	4.4	BI-TUC	CR	Fe	Fe	1-12181-111-0			
		Oil	100.0	5.0	4.8	E-BC3	CR	Cr	Fe	1-12121-001-0 (yl)			

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						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper / Lower		
<b>DA640S(T)</b>	6,373	Fork Lift	<b>SDI10057ZZ</b>	6	1st	102.0	3.5	4.4	BF-K1	CR	Cr	Fe	1-12181-014-0	
					2nd	102.0	2.5	4.4	T1-IC	CR	Fe	Fe	1-12121-035-0	
					3rd	102.0	2.5	4.4	BI-TUC	CR	Fe	Fe	1-12181-011-0 (cyl)	
					Oil	102.0	5.0	4.8	E-BC3	CR	Cr	Fe		
<b>DA640PP</b>		For Industrial Machine	<b>SDI10066ZY</b>	6	1st	102.0	3.0	4.4	BF	CR	Cr	Fe	1-12181-034-0	
					2nd	102.0	2.5	4.4	T1-IC	CR	Fe	Fe	1-12121-010-0 (cyl)	
					3rd	102.0	2.5	4.4	BI-TUC	CR	Fe	Fe		
					Oil	102.0	5.0	4.8	E-BC3	CR	Cr	Fe		
<b>DA640</b>	6,373	Truck BA BF BS TXD	<b>SJI10036ZZ</b>	6	1st	102.0	2.5	4.0	P	CR	Cr	Cr	1-12161-064-0	
					2nd	102.0	2.5	4.0	T1	CR	Fe	Fe	1-12181-092-0	
					3rd	102.0	2.5	4.0	T1	CR	Fe	Fe		
					Oil 1	102.0	4.0	4.1	E-C1	CR	Cr	Fe		
					Oil 2	102.0	4.0	4.0	BC1	CR	Fe	Fe		
			Bus BA741 BA741P BA743 BB751 BR10 BR10P BR20 BR20P BR351 BR351P BX721E BX731 BX752	<b>SDI10063ZX</b>	6	1st	102.0	2.5	4.1	BF	SR	Cr	Fe	1-12181-033-0
						2nd	102.0	2.5	4.4	T1	CR	Fe	Fe	1-12181-074-0
						3rd	102.0	2.5	4.4	TUC	CR	Fe	Fe	1-12181-088-0
						Oil	102.0	5.0	4.8	E-BC3	CR	Cr	Fe	1-12181-110-0
<b>6BD1MT</b>	5,393	For Marine Engine For Chromard Liner	<b>SDI10085ZZ</b>	6	1st	102.0	3.5	4.4	BF-K1	CR	Fe	Fe	5-12121-015-0 (cyl)	
					2nd	102.0	2.5	4.4	T1	CR	Fe	Fe		
					Oil	102.0	5.0	4.8	E-BC3	CR	Fe	Fe		
<b>4BD2</b>	3,856	For Chromard Liner	<b>SDI10147ZX</b>	4	1st	102.0	3.0	3.9	BF	SR	GN	GN	8-97117-686-0	
					2nd	102.0	2.0	3.7	T1	SR	GN	GN		
					Oil	102.0	4.0	4.45	E-BC16	SR	GN	GN		
<b>6BD1 6BB1</b>	5,393	Truck SBR320 · 380 400 · 450 · 500 JBR FBR370 YBR360 310 Tractor VBR320 VBR322 For Chromard Liner	<b>SDI10065ZX</b>	6	1st	102.0	3.0	3.9	BF	SR	GN	GN	5-12181-023-2	
					2nd	102.0	2.5	4.4	TUC	CR	Fe	Fe	5-12121-055-0 (cyl)	
					Oil	102.0	5.0	4.95	E-BC16	SR	GN	GN		

Engine Type	Exhaust quantity (c.c.)	Vehicle Model Chassis Type	NPR Catalog Code	Cyl No.	Position	Size (mm)			Shape	Material	Surface Treatment		Reference
						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper/Lower	
<b>4BB1</b>	3,595	Elf Journey For Chromard Liner	<b>SDI10070ZX</b>	4	1st	102.0	3.0	3.9	BF	SR	GN	GN	5-12181-024-1
					2nd	102.0	2.5	4.4	TUC	CR	Fe	Fe	5-12121-005-0 (cyl)
					Oil	102.0	5.0	4.95	E-BC16	SR	GN	GN	5-12181-003-0
<b>4BC1 4BD1 4BD1-T</b>	3,268	Truck Elf Journey For Chromard Liner	<b>SDI10090ZX</b>	4	1st	102.0	3.0	3.9	BF	SR	GN	GN	5-12121-004-0 (cyl)
					2nd	102.0	2.5	4.4	TUC	CR	Fe	Fe	
					Oil	102.0	5.0	4.95	E-BC16	SR	GN	GN	
<b>4BD1L</b>	3,856	Journey For Chromard Liner	<b>SDI10125ZX</b>	4	1st	102.0	3.0	3.9	BF	SR	GN	GN	8-94326-650-0
2nd	102.0	2.5	4.4	TUC	CR	Fe	Fe						
Oil	102.0	4.0	4.45	E-BC16	SR	GN	GN						
<b>8GF1</b>	6,599	Pick up Truck SUV	<b>SDI10183ZY</b>	V8	1st	103.0	2.948	3.9	BF-K1	SR	GN	GN	8-97250-331-2
					2nd	103.0	2.0	4.4	T1-IC	CR	Cr	Fe	
					Oil	103.0	3.0	3.0	E-BC16	SR	GN	GN	
<b>6BF1</b>	6,130	Truck Forward For Chromard Liner	<b>SDI10082ZX</b>	6	1st	105.0	3.0	3.7	BF	SR	GN	GN	1-12121-052-0 5-12121-006-0 (cyl)
					2nd	105.0	2.5	4.7	TUC	CR	Fe	Fe	
					Oil	105.0	5.0	4.9	E-BC3	CR	Fe	Fe	
<b>6BG1</b>	6,494	Truck Forward (FRS12) For Chromard Liner	<b>SDI10104ZX</b>	6	1st	105.0	3.0	3.7	BF	SR	GN	GN	1-12121-065-0 1-12121-101-1 (cyl)
					2nd	105.0	2.5	4.7	TUC	CR	Fe	Fe	
					Oil	105.0	4.0	4.35	E-BC16	SR	GN	GN	
<b>6BG1MTC</b>	6,494	For Marine Engine For Chromard Liner	<b>SDI10148ZX</b>	6	1st	105.0	3.306	3.9	BF-K1	SR	GN	GN	1-12121-121-0
					2nd	105.0	2.5	4.7	TUC	CR	Fe	Fe	
					Oil	105.0	4.0	4.35	E-BC16	SR	GN	GN	
<b>4BE1</b>	3,636	Truck Elf 2ton For Chromard Liner	<b>SDI10118ZX</b>	4	1st	105.0	3.0	3.7	BF	SR	GN	GN	8-94418-918-0
					2nd	105.0	2.5	4.5	TUC	CR	Fe	Fe	
					Oil	105.0	5.0	4.9	E-BC3	CR	Fe	Fe	
<b>6BG1-TC</b>	6,494	Truck Forward For Chromard Liner	<b>SJI10128ZZ</b>	6	1st	105.0	3.5	4.4	BF	CR	Fe	Cr	1-12121-115-0
					2nd	105.0	2.5	4.7	TUC	CR	Fe	Fe	
			<b>SDI10223ZZ</b>	6	1st	105.0	3.306	3.9	BF-K1	SR	GN	GN	1-12121-146-0 (cyl)
					2nd	105.0	2.5	4.4	T1-IC	CR	Fe	Fe	
3rd	105.0	2.5	4.4	BI-TUC	CR	Fe	Fe						
Oil	105.0	4.0	4.35	E-BC16	SR	GN	GN						

Engine Type	Exhaust quantity (c.c.)	Vehicle Model Chassis Type	NPR Catalog Code	Cyl No.	Position	Size (mm)			Shape	Material	Surface Treatment		Reference			
						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper/Lower				
4BG1	4,329	Truck Elf For Chromard Liner	SDI10168ZX	4	1st	105.0	3.0	3.7	BF	SR	GN	GN	8-97123-833-0			
					2nd	105.0	2.5	4.7	TUC	CR	Fe	Fe				
					Oil	105.0	4.0	4.35	E-BC16	SR	GN	GN				
			SDI10131ZX	4	1st	105.0	3.306	3.9	BF-K1	SR	GN	GN		8-97032-075-0		
					2nd	105.0	2.5	4.4	T1-IC	CR	Fe	Fe				
					Oil	105.0	4.0	4.35	E-BC16	SR	GN	GN				
6HE1	7,127	Truck Forward	SJI10126ZZ	6	1st	110.0	3.0	4.5	BF	HB	Cr	Cr	8-94396-840-0			
					2nd	110.0	2.5	4.7	TUC	CR	Cr	Fe				
					Oil	110.0	4.0	4.35	E-BC16	SR	GN	GN				
					SDI10146ZY	6	1st	110.0	3.836	4.5	BF-K1	HB		Cr	Fe	8-94390-529-1
							2nd	110.0	3.0	4.4	T1-IC	CR		Cr	Fe	
							3rd	110.0	2.5	4.7	TUC	CR		Cr	Fe	
Oil	110.0	3.0	3.25	E-BC16			SR	GN	GN							
SJI10138ZZ	6	1st	110.0	3.836	4.5	BF-K1	HB	Cr	Fe	8-94394-418-1						
		2nd	110.0	3.0	4.5	BF-IC	HB	Cr	Cr							
		3rd	110.0	2.5	4.7	TUC	CR	Cr	Fe							
		Oil	110.0	4.0	4.35	E-BC16	SR	GN	GN							
4HE1	4,751	Truck Elf	SDI10140ZZ	4	1st	110.04	3.0	4.1	BF-K2		SR	GN	GN	8-97078-779-0		
					2nd	110.04	2.5	4.7	T1-IC		CR	Cr	Fe			
					Oil	110.04	4.0	4.35	E-BC16	SR	GN	GN				
4HE1-TC	4,751	Truck Elf	SDI10177ZZ	4	1st	110.04	3.0	4.1	BF-K2	SR	GN	GN	8-97166-992-0			
					2nd	110.04	2.0	4.1	T1	SR	GN	GN				
					3rd	110.04	1.2	3.9	T1	SR	GN	GN				
					Oil	110.04	3.0	3.25	E-BC16	SR	GN	GN				
4HF1	4,334	Truck Elf	SJI10127ZZ	4	1st	112.0	3.0	4.5	BF	HB	Cr	Cr	8-97028-691-0			
					2nd	112.0	2.5	4.7	TUC	CR	Cr	Fe				
					Oil	112.0	4.0	4.35	E-BC16	SR	GN	GN				
			SDI10139ZZ	4	1st	112.0	3.0	4.05	BF-K2	SR	Cr	Fe		8-97109-462-0		
					2nd	112.0	2.5	4.7	TUC	CR	Cr	Fe				
					Oil	112.0	4.0	4.35	E-BC16	SR	GN	GN				
8PA1	9,971	Truck SKS390 SKW520	YDI10080ZX (1cyl)	V8	1st	115.0	3.0	4.05	BF	SR	Cr	Fe	1-12181-016-0 1-12121-042-0 1-12181-060-0 (cyl)			
					2nd	115.0	2.5	4.8	TUC	CR	Cr	Fe				
					Oil	115.0	6.0	5.7	E-BC3	CR	Cr	Fe				
10PA1	12,464	Truck Bus SRZ440 CRA650	YDI10080ZX (1cyl)	V10	1st	115.0	3.0	4.05	BF	SR	Cr	Fe				
					2nd	115.0	2.5	4.8	TUC	CR	Cr	Fe				
12PA1	14,957	Truck VTR300 VRZ440 VTR290		V12	1st	115.0	3.0	4.05	BF	SR	Cr	Fe				
					2nd	115.0	2.5	4.8	TUC	CR	Cr	Fe				
Oil	115.0	6.0		5.7	E-BC3	CR	Cr	Fe								

Engine Type	Exhaust quantity (c.c.)	Vehicle Model Chassis Type	NPR Catalog Code	Cyl No.	Position	Size (mm)			Shape	Material	Surface Treatment		Reference	
						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper/Lower		
<b>8PB1</b>	11,217	New Power Tractor Dump	<b>YDI10081ZX</b> (1cyl)	V8	1st	115.0	3.0	4.05	BF	SR	Cr	Fe	1-12181-043-0 (cyl)	
<b>10PB1</b>	14,022				2nd	115.0	2.5	4.8	T1	CR	Cr	Fe	1-12181-058-0 (cyl)	
<b>12PB1</b>	16,826			Oil	V10	115.0	4.0	4.35	E-BC16	SR	GN	GN	1-12181-061-0 (cyl)	
<b>4HG1</b> <b>4HJ1</b> <b>4HK1</b>	4,751	Truck Elf	<b>SDI10160ZZ</b>	4	1st	115.0	3.0	4.1	BF-K2	SR	GN	GN	8-97105-867-0 (cyl)	
2nd					115.0	2.5	4.8	TUC	CR	Cr	Fe	8-97219-054-0 (cyl)		
Oil					115.0	4.0	4.35	E-BC16	SR	GN	GN	8-97603-423-1 (cyl) 8-98040-125-0 (cyl) 8-98054-495-0 (cyl) 8-98054-995-0 (cyl)		
<b>6HK1</b>	7,790	Forward Truck	<b>SDI10228ZZ</b>	6	1st	115.0	3.0	4.1	BF-K2	SR	GN	GN	8-98040-125-0 (cyl)	
2nd					115.0	2.5	4.8	TUC	CR	Cr	Fe			
Oil					115.0	4.0	4.35	E-BC16	SR	GN	GN			
<b>4HK1X</b>	5,193	Truck Elf	<b>SDI10207ZZ</b>	4	1st	115.0	2.948	4.15	BF-K1	SR	GN	GN	8-98017-166-0	
2nd					115.0	2.0	4.3	T1-IB	SR	GN	GN			
3rd					115.0	2.5	4.8	TUC	CR	Cr	Fe			
Oil					115.0	3.0	3.1	E-BC16	SR	GN	GN			
<b>6HH1</b>	8,226	Truck Forward Journey Erga	<b>SJI10163ZZ</b>	6	1st	115.0	3.5	4.6	BF	HB	Cr	Cr	8-94390-799-0 (cyl)	
2nd					115.0	2.5	4.8	TUC	CR	Cr	Fe	8-94390-799-2 (cyl)		
Oil					115.0	4.0	4.35	E-BC16	SR	GN	GN			
				<b>SJI10184ZZ</b>	6	1st	115.0	3.5	4.6	BF	HB	Cr	Cr	8-94392-128-1
						2nd	115.0	2.5	4.8	TUC	CR	Cr	Fe	
						Oil	115.0	3.0	3.1	E-BC16	SR	GN	GN	
<b>6HK1-TC</b>	7,790	Truck Erga	<b>SDI10178ZZ</b>	6	1st	115.0	2.948	4.1	BF-K1	SR	GN	GN	8-94391-502-4 (cyl)	
2nd					115.0	2.0	4.3	T1-IB	SR	GN	GN			
3rd					115.0	2.5	4.8	TUC	CR	Cr	Fe			
Oil					115.0	3.0	3.1	E-BC16	SR	GN	GN			
<b>4HL1</b>	4,777	Elf Forward	<b>SDI10192ZZ</b>	4	1st	115.0	3.0	4.1	BF	SR	GN	GN	8-97331-641-0	
2nd					115.0	2.0	4.25	T1	SR	Cr	Fe			
Oil					115.0	3.0	3.1	E-BC16	SR	GN	GN			
<b>6HL1-TC</b>	7,166	Truck Forward	<b>SDI10186ZZ</b>	6	1st	115.0	2.948	4.25	BF-K1	SR	Cr	Fe	8-97601-318-1	
2nd					115.0	2.5	4.8	T1-IC	CR	Fe	Fe			
Oil					115.0	3.0	3.1	E-BC16	SR	GN	GN			
<b>6HF1-CNG</b>	7,790	CNG Truck	<b>SDI10214ZZ</b>	6	1st	115.0	3.5	4.1	BF	SR	GN	GN	8-98141-535-0	
2nd					115.0	2.5	4.8	TUC	CR	Cr	Fe			
Oil					115.0	4.0	4.35	E-BC16	SR	GN	GN			
<b>6SA1</b>	8,413	Truck Forward 200PS	<b>SJI10112ZZ</b>	6	1st	115.0	3.0	4.6	BF	HB	Cr	Cr	1-12121-070-0	
2nd					115.0	2.5	4.8	TUC	HB	Cr	Fe	1-12121-113-0		
Oil					115.0	4.0	4.2	E-BC3	HB	Cr	Fe	1-12121-075-0 (cyl)		

Engine Type	Exhaust quantity (c.c.)	Vehicle Model Chassis Type	NPR Catalog Code	Cyl No.	Position	Size (mm)			Shape	Material	Surface Treatment		Reference
						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper / Lower	
<b>4HF1-LPG</b>	4,334	Truck Elf	<b>SDI10190ZZ</b>	4	1st	115.0	3.0	4.1	BF	SR	GN	GN	8-97258-337-0
					2nd	115.0	2.5	4.8	TUC	CR	Cr	Fe	8-98144-475
					Oil	115.0	3.0	3.1	E-BC16	SR	GN	GN	
<b>10PC1</b>	15,014	Truck CXR 10.75ton	<b>SJI10106ZZ</b>	V10	1st	119.0	3.0	4.6	BF	HB	Cr	Cr	1-12121-047-0 (cyl)
					2nd	119.0	2.5	4.8	T1	CR	Cr	Fe	
					Oil	119.0	4.0	5.0	E-C2	HB	Cr	Fe	
<b>10PC1-T</b>	15,014	Truck Bus Hi-Decker	<b>SJI10115ZX</b>	V10	1st	119.0	4.0	4.6	BF	HB	Cr	Cr	1-12121-062-0 (cyl)
					2nd	119.0	2.5	4.8	TUC	HB	Cr	Fe	
					Oil	119.0	4.0	4.35	E-BC16	SR	GN	GN	
<b>8PC1-T</b>	12,011	Bus Hi-Decker LV217H	<b>SJI10107ZZ</b>	V8	1st	119.0	3.0	4.6	BF	HB	Cr	Cr	1-12121-049-0
					2nd	119.0	2.5	4.8	TUC	HB	Cr	Fe	
					Oil	119.0	4.0	5.0	E-C2	HB	Cr	Fe	
<b>DH100</b>	10,179	Truck TD70E TD80E TD90E TD141 TP70E TP81 TP81E TP91E Bus BC30 BC141 BC151 BC151P BC161 BU05 BU10 BU15 BU20	<b>SDI10040ZX</b>	6	1st	120.0	3.0	4.45	BF	SR	Cr	Fe	1-12181-001-0
					2nd	120.0	3.0	5.0	T1	CR	Fe	Fe	1-12181-083-0
					3rd	120.0	3.0	5.0	TUC	CR	Fe	Fe	1-12181-086-0
					Oil	120.0	6.0	5.6	E-BC3	CR	Cr	Fe	1-12181-114-0
<b>6SD1</b>	9,839	Truck Forward CXG23	<b>SJI10179ZZ</b>	6	1st	120.0	3.5	5.0	BF	HB	Cr	Cr	1-12121-094-1
					2nd	120.0	2.5	5.0	TUC	HB	Cr	Fe	
					Oil	120.0	5.0	4.95	E-BC16	SR	Cr	Fe	
<b>6SD1-TC</b>	9,839	Truck Giga CXM CXK CXG	<b>SDI10194ZZ</b>	6	1st	120.0	4.0	4.9	BF-K1	HB	Cr	Fe	1-12121-119-2
					2nd	120.0	3.0	4.6	T1-IC	CR	Cr	Fe	
					3rd	120.0	3.0	4.9	B1-TUC	CR	Cr	Fe	
			Oil	120.0	4.0	4.4	E-BC16	SR	GN	GN			
			<b>SDI10218ZZ</b>	6	1st	120.0	3.0	4.1	BF-K1	SR	GN	GN	1-12121-149-0
					2nd	120.0	2.0	4.25	T1-IB	SR	Cr	Fe	
3rd	120.0	3.0			4.9	B1-TUC	HB	Cr	Fe				
Oil	120.0	3.0	3.25	E-BC16	SR	GN	GN						
<b>6UZ1-TCC</b>	9,839	Giga Truck	<b>SDI10225ZZ</b>	6	1st	120.0	2.5	4.3	BF-K1	SR	GN	GN	8-98056-464-1
					2nd	120.0	2.0	4.25	T1-IB	SR	Cr	Fe	
					3rd	120.0	3.0	4.9	B1-TUC	HB	Cr	Fe	
					Oil	120.0	3.0	3.25	E-BC16	SR	GN	GN	
<b>6QA1 D920</b>	11,044 9,203	Bus TDJ DVR 25DP 35DP	<b>SJI10088ZZ</b>	6	1st	125.0	3.0	5.1	BF	HB	Cr	Cr	1-12121-028-0(cyl)
					2nd	125.0	2.5	5.1	TUC	CR	Cr	Fe	1-12121-046-0(cyl)
					Oil	125.0	6.0	5.5	E-BC3	CR	Cr	Fe	1-12121-013-0(cyl)

Engine Type	Exhaust quantity (c.c.)	Vehicle Model Chassis Type	NPR Catalog Code	Cyl No.	Position	Size (mm)			Shape	Material	Surface Treatment		Reference
						d 1 (D)	h 1 (B)	a 1 (T)			Outside	Upper/Lower	
<b>6QB2</b>	11,044	Bus	<b>SJ110208ZZ</b>	6	1st	125.0	4.0	4.8	BF	HB	Cr	Cr	1-12121-096-0
					2nd	125.0	2.5	5.0	BI-TUC	CR	Cr	Fe	
					Oil	125.0	6.0	5.1	E-BC3	CR	Cr	Fe	
<b>PE1</b>		Truck Erga Giga	<b>YDI10164ZZ</b> (1cyl)	1	1st	127.0	3.806	4.7	BF-K1	SR	GN	GN	1-12121-129-1
					2nd	127.0	3.0	5.0	T1-IC	HB	Cr	Fe	
					3rd	127.0	3.0	5.2	BI-TUC	CR	Cr	Fe	
					Oil	127.0	4.0	4.35	E-BC16	SR	GN	GN	
			<b>YJ110165ZZ</b> (1cyl)	1	1st	127.0	4.0	5.2	BF	HB	Cr	Cr	1-12121-131-1
					2nd	127.0	3.0	5.0	T1-IC	HB	Cr	Fe	
					3rd	127.0	3.0	5.2	BI-TUC	CR	Cr	Fe	
					Oil	127.0	4.0	4.35	E-BC16	SR	GN	GN	
			<b>YDI10180ZY</b> (1cyl)	1	1st	127.0	2.917	4.7	BF-K1	SR	GN	GN	1-12121-145-0
					2nd	127.0	2.0	4.7	T1-IB	SR	GN	GN	
					3rd	127.0	3.0	5.2	BI-TUC	CR	Cr	Fe	
					Oil	127.0	4.0	4.35	E-BC16	SR	GN	GN	
<b>10PE1</b>	19,001	Erga Giga	<b>SDI10164ZZ</b>	V10	1st	127.0	3.806	4.7	BF-K1	SR	GN	GN	1-12121-129-0
					2nd	127.0	3.0	5.0	T1-IC	HB	Cr	Fe	
					3rd	127.0	3.0	5.2	BI-TUC	CR	Cr	Fe	
					Oil	127.0	4.0	4.35	E-BC16	SR	GN	GN	
<b>6RB1-MTC</b>	13,741	Dump CXM 10.5ton L275PS	<b>SDI10116ZZ</b>	6	1st	132.9	4.0	5.5	BF	HB	Cr	Fe	1-12121-076-0
					2nd	132.9	2.5	5.5	TUC	HB	Cr	Fe	
					Oil	132.9	4.0	4.3	E-BC3	HB	Cr	Fe	
<b>6WA1-TC</b>	12,068	Truck Giga	<b>SDI10132ZZ</b>	6	1st	132.9	4.306	5.2	BF-K1	HB	Cr	Fe	1-12121-117-0
					2nd	132.9	3.0	5.2	T1-IC	HB	Cr	Fe	
					3rd	132.9	3.0	5.5	BI-TUC	CR	Cr	Fe	
					Oil	132.9	5.0	5.7	E-BC3	CR	Cr	Fe	
			<b>SDI10158ZZ</b>	6	1st	132.9	4.306	5.2	BF-K1	HB	Cr	Fe	1-12121-127-1 (cyl)
					2nd	132.9	3.0	5.2	T1-IC	HB	Cr	Fe	1-12121-136-0 (cyl)
					3rd	132.9	3.0	5.5	BI-TUC	CR	Cr	Fe	1-12121-142-0 (cyl)
					Oil	132.9	4.0	4.4	E-BC16	SR	GN	GN	
			<b>SDI10173ZZ</b>	6	1st	132.9	3.806	4.9	BF-K1	SR	GN	GN	
					2nd	132.9	3.0	5.2	T1-IC	HB	Cr	Fe	
					3rd	132.9	3.0	5.5	BI-TUC	CR	Cr	Fe	
					Oil	132.9	5.0	5.7	E-BC3	CR	Cr	Fe	
			<b>SDI10174ZZ</b>	6	1st	132.9	3.806	4.9	BF-K1	SR	GN	GN	1-12121-139-0 (cyl)
					2nd	132.9	3.0	5.2	T1-IC	HB	Cr	Fe	1-12121-141-0 (cyl)
					3rd	132.9	3.0	5.5	BI-TUC	CR	Cr	Fe	
					Oil	132.9	4.0	4.4	E-BC16	SR	GN	GN	

