



CRANKSHAFTS

CASE					
CASE	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
258 000		1308467	Mod. 2870-4890 Tractor		
369 000		J908032	Mod. 2096-1896 Tractor		
372 000		J918323 J916190 J908031 (Old)	4390 4T390		
CATERPILLAR					
CASE	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
112 001		3370872 2W7980 368-5912	3304 DI		
112 003 [112 000]		4N7692 4N7694 2W7960 555252	3304		
114 001		3348389 2W7458	3306 DI		
114 003 [114 000]		4N7693 4N7696 2W7458 4P9857 4P7827 2Y4517	3306 3306-C		
115 000 [115 001]		9N0300 9N0303 9N6220 9N6221 2W0085	3208		
116 000 [116 003]		2W2300 2W2585 1W6207 6N3907 7C4859 1170456	3406		
260 000		2P3839	D343	6	
261 003 [261 000]		1W9771 4N1112	3204		
262 000		1W5009	3408		
263 000		1W6209	3408		
288 003 [288 000]		8M4505	D330		
303 001		2W4088 2619648	3412		
303 002		213-3203	3412		V 12
303 003		1W6213 2619647 4N0922 4N7755	3412		
304 003		6N2823	D8K		6 cyl.
305 000		1930159 2340207	3056	6	
306 003		1161072 1694189	C-12	6	
307 003		1601799	C-15	6	
309 001		3133996 2219362	C-11		
310 001		3133997 2219364	C-13		
311 003		1556632 1321116	C-16		
312 000		1894918 1950314	C-18		
313 002		2256053 2194453	C-27		
314 002		2243252 2194454	C-32		

315 001	2611544	C-9		
315 002	2827958	C-9		
316 001	2275480 2715658	C-7		
316 002	2827956	C-7		
318 001	1323211	C-10		
318 002	1694187	C-10		
318 004	11937517 1161081	C-10		
319 000	1527625	3508		
320 000	2767387	C6.6	6	
321 000				
329 000	7C8214 7C3184 2218057 4P9948 3131-5991 3131-5666	3054		
371 001 [371 000]	1051725 4W3498(Old)	3116 3126 KODIAK		
377 000 [377 003]	611453	3406-E		
379 003	1253005 517671	3066		

**CUMMINS**

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
072 000 [072 003]	3000140 3024923 3608833	NTA-855		
108 000	195240	V6-155 Series		
109 000	194840	V8-210 Series		
120 000	3001588 3029340	NH-250		
121 000	3029341 101109	NH-220		
326 003 [326 000]	3819989	L10		
327003 [327 000]	3803898	L10		
328 003 [328 000]	3819624	LT10-C225 LT10-C250 L10-C325		
365 003 [365 000]	3918986 3910968 3914584 3917320 3917443	6C C Series		
369 003 [369 000]	3929037 3907804 (Old)	6B 6BT 6BTA B Series		5.9 L 6 Cilindros
372 003 [372 000]	3908031 3907803 (Old)	4B 4BT B Series		
422 000	3073707	M11		
423 000	3064291	N14		
500 002	2831067	ISBe 150		4 cyl.
501 002	2830476	ISBe 180 ISBe 220 ISBe 250		6 cyl.
503 000	3096362	K19 KTA 1150 OSK 19		
504 000	4099004 3630075	K38,KTA38		12 Cyl.
505 000	4098998, 3629276 3627642 33172928	K50.KT50		16 Cylinders
506 000	3331923,3089963,3089797	Q60,QSK60		KV - 32
507 000	4925762	ISX		6 CYLINDER
508 005	3944243	QSB 5.9	6	
509 005	3965008	QSC 8.3 ISL 8.3 ISC	6	6 cilindros / 6 cylinders
510 000	3311922 3089796 3089962	QSK45	V12	

511 000		3092921	QST30	V12	
512 000		4095435 4096111	QSK23	6 cylinder	

**DAF**

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
200 003 [200 000]	067 0906	1160 (SERIE II ) DKX DKC/L DKF/L		
201 003 [201 000]	028 8836	1160 ATI		
202 000	1297017 087715	WS 95		Cylindrical Nose.
203 000	1399631 1408257		6 CYL.	

**DETROIT DIESEL ALLISON**

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
089 000	A906 030 1102	MB900		
400 000	5146733	6V71		
401 000	5103264	8V71		
402 000	8926419 8926921	402 000		
403 000	8926420 8926922	6V92		
404 000	8926923 8926425 (Old)	8V92		
406 000	23527771	SERIE 60		
407 000	23518646	SERIE 60		
410 011	A460 030 0101	MB4000		
600 000	23527225	SERIE 60		14 L.
601 000	23515598	SERIE 60		12.7L

**DEUTZ**

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
390 003 [390 000]	0415 1011 0292 9342	F6L912 / D/ W		
391 003 [391 000]	0213 9148	F6L913		
409 003 [409 000]	0292 9345 0213 9405	BF6L913 / C/ T		

**FIAT-IVECO**

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
359 000	4814975	IVECO 8280.22		
380 000	4832171	IVECO 8360		
381 000	61320997 61318429 61315203 61318243 61321276	IVECO 8460		
383 017	98475013	IVECO 8210.22/42		
384 017	4758590 98475013	IVECO 8210.22/42 8217.32		
385 000	82863191	IVECO		
386 000	82861540	IVECO		
387 000	81876482	IVECO		
393 017	98451527 504075031	IVECO 8040.05 IVECO 8040.25		
394 017	4785107	IVECO 8060.05 IVECO 8060.25		
395 017	98475014	IVECO 8210.42/R/K/ LTCA		
396 017	4742617 98475014	IVECO 8210.42/R/K/LTCA		
398 017	98485360	IVECO 8210.42M		
399 017	99439265	IVECO 8210.42 L/TCA		
424 000	4708191	IVECO 8360		
451 002	2831067	F4A0481		TECTOR 75E 13, NEF. 4CYL
452 002	2830476	F4A0681		TECTOR 130E , EUROCARGO TECTOR 170E 22. 6 CYL.
453 002	504057571	F4GE0604		
454 000	99485949	F2BE0681		CURSOR 8
455 000	99437550	190E43/260E39		CURSOR 10

456 000	99438979	F3BE0681	CURSOR 13 -STRALIS
457 002		6.7 NEF67	

**GENERAL MOTORS**

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
450 000		6.5 Lts.		

**HYUNDAI**

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
811 003	2310083001		6 CYL	

**IKARUS**

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
530 000	1.02101.7104 1.02101.3001 1.02101.1071 1.02101.0121	6 CIL		

**INTERNATIONAL**

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
105 005	675669C-92 675669C-93 675669C-2	DT-466		
117 005	675668C92	DT-414		
118 005	675663C92	DT-436		
125 000	684390C91	DVT-573		
392 005	1809953C91	DT-360		
520 005	1830596C91	DT-466 E / NGD		

**ISUZU**

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
650 000	8973525342	4HE1	4	NQR70

**JOHN DEERE**

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
090 003 [090 000]	AT-18031 T-23516 RE-47637 RE-46896	940 1020 1030 1040 1120 1130 1140		
091 003 [091 000]	AT-18030 T-23517	1640 1830 1840 2020 2030 2040 2040 S 2120 2130		
092 003 [092 000]	AT-22562 T-23266	3030 3040 3120 3130 3140 3640 4040 S		
093 003 [093 000]	RE-20585 RE-36605	4239		
094 003	RE-50979	2.9 L 3179 D/T		
095 003 [095 000]	RE-54883 RE-33485 (Old)	4276		
096 003 [096 000]	RE-45517 RE-33687 (Old)	6414 6068T		
097 003 [097 000]	RE-56792	4276 D / T		
098 003	RE-50618 RE-504638	4.5 L		
099 002	RE-534314	8.1L		6 CYL.,POWER TECH 8.1L. STRAIGHT REAR GEAR.
099 005	RE-55522 RE-535300	8.1 L		6 CYL.,POWER TECH 8.1L. HELICAL REAR GEAR.
335 003	AR-96189	6404 6466 6076		
335 004 [335 000]	RE-53422	6404 6466 6076		
335 005	RG-23551	6466 6076		
340 003	RE-52850 RE-504639 RE-515785 W/O BEARINGS	6.8 L		
342 002	RE548603	6090		POWER TECH 9.0 L , 6 CYL.

		RE525587			
343 002		RE540429 RE526075	6090		POWER TECH 9.0 L , 6 CYL.
378 004 [378 000]		AR-92533	6619		
428 003 [428 000]		AR-26431			

#### KAMAZ

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
287 000	7.401.000.107	V-8		
560 000	100500800-074030	EURO I		
561 000	100500800-074050	EURO II		

#### KOMATSU

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
330 000	6710-31-1112 6710-31-1111	6 CIL.		
331 000	6623-31-1111	6 CIL.		
333 000	6735-01-1310	6 CIL. 102 engine		
418 000	6207-31-1110 6207-31-1100	S6D95		
419 000	6136-31-1110	S6D105		
420 000	6138-31-1110 6138-31-1010	S6D110		
470 000	6151-35-1010	S6D125		
471 000	6211-31-1010	S6D140		
472 000	6127-31-1012 6127-31-1114	S6D155		
473 000 [473 003]	6162-33-1201/2	S6D170		6 Cylinders
474 000 [474 003]	6162-33-1402	S6D170		6 Cylinders
475 000	6240.31.1101	S6D170		6 Cilindros / 6 Cylinder
476 005	6745-31-1120	SAA6S114E-3		
477 003	6742-01-1570	SAA6D114E-2		
478 003 [478 000]	6217-31-1010	SAA6D140E-3	6	
480 000	6215-31-1101 6215-31-1110	SA12V140	V12	

#### LAND ROVER

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
041 000	ERC 5014 ERC 6584	2.1/4 Ltrs.		

#### MACK

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
425 000	456GC5140M 57GC2145 (new ref. for assy )	E-7		
429 000	456GC2125 456GC5113	E-6	6 CYLINDERS	6 cilindros / 6 cylinders
434 000	20486222	MP8	6 cyl.	

#### M.A.N.

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
205 000	51 02101 7123	D 2156 / 2356		
206 000	51. 02101. 7737	D0824		
207 000	51 .02101. 6088	D0826		
208 000	51. 02101. 6097	D0834		
209 000	51. 02101. 6022 51.02101.0608 51.02101.6090 51.02101.6056	D0836		
249 011	51 02101 7204	D 2538 M / MT		
250 011	51 02101 7205	D 2530 M / MT		
251 011	51 02101 7515	D 2566 / 2866		
252 011	51 02101 7405 51 02101 7390	D 2566 / 2866		
253 000	51 02101 7117	D 0846		
255000	51.02101.0673 51.02101.0632 51.02101.0690 51.02101.0671	D2066	6	INTEGRATED COUNTERWEIGHTS

	51.02101.0634 51.02101.0679 51.02101.0682			
334 011	51 02101 7243 51 02101 7600 51 02101 7542 51 02101 7543	2840 MF D 2840-LF 01 2840-LF-LXF		
347 011	51 02101 7601	D 2842		
368 011	51 02101 7599	D 2848		
370 011	51 02101 7517 51 02101 7392 409.030.1101	D 2565 / 2865 OM 409 / 429 / 449 A-LA		
412 011	51 02101 6018 51 02101 6082 51 02101 7706 51 02101 6038 51 02101 6044	D 2876		
430 011	51 02101 6081	D 2866		
431 000	51.02101.0632	2676	6	

**MERCEDES BENZ**

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
082 000	615.031.7801	OM 615		
084 000	352.030.3402 352.030.1502 352.030.5601 352.030.6802	OM 352		
085 000	352.030.3702 352.030.4602 352.030.5802 352.030.7002	OM 352		
086 003	355.030.6701	OM 355		
087 003	355.030.6801	OM355T		
088 000	646.031.0401	OM611/OM646		
089 001 [089 000]	906.030.0502 906.030.1102	OM906 / LA		
100 000	314.030.6102 314.030.5202 314.030.3202 314.030.2002 314.030.5501	OM 314		
101 000	314.030.6202 314.030.6002 314.030.5502 314.030.3302	OM 314		
102 011	401.030.1901 401.030.1501	OM 401		
103 011	402.030.2301	OM 402		
128 011	422.030.3701 422.030.4301 422.030.4401	OM 422 / A / LA OM 442 (EURO)		
129 011	444.030.0701 444.030.0501 444.030.0401	OM424 / A / LA OM444 / A / LA		
230 000	366.030.0702 366.030.1102	OM 366 / A / LA		
231 011	423.030.1501 423.030.3401 423.030.3301	OM 403 OM 423 / A / LA OM 443 / A / LA		
232 011	403.030.3001	OM 403		
233 000	366.031.1201	OM366 / A / LA		
235 001 [235 000]	926.030.0201	OM926		6 Cylinder stroke 136,00mm
236 000	924.030.0101	OM924		4 Cilindros / 4 Cylinder stroke 136,00mm
237 000	612.031.0001	OM612		5 Cilindros / 5 Cylinder
238000	352.030.0002	OM352	6	INTEGRATED COUNTERWEIGHTS SCROLLED
239 013	360.030.1601 360.030.1201 360.030.0101	OM 360		
242 011	407.030.2101 407.030.1601	OM 407 / A		
243 011	447.030.0701 447.030.0801 447.030.0901 407.030.2401 496.030.0201	OM 447 H/A/HA/LA OM 427 H/A/HA/LA OM407 / A		
244 011		OM457		
246 011	542.030.0101	OM502 LA		
247 000	602.031.2501 602.030.0801	OM 602 LA		

268 003		345.030.5001	OM 355 / 5		
286 011		421.030.2501 421.030.1701	OM 421 / A / LA		
291 011		442.030.0801 442.030.0301 442.030.0901 442.030.0401	OM 442 / A / LA (EURO 1/2)		
339 011		441.030.1701 441.030.2201	OM 441 / A / LA (EURO 1/2)		V-6
366 011		402.030.3201 402.030.2901	OM 402 LA		
373 011		541.030.0201 541.030.0601 541.030.0801 541.030.2701 541.030.1801	OM 541 OM 501LA		
374 001 [374 000]		904.030.0702	OM904 ATEGO		4cyl. flywheel 98mm.
375 001 [375 000]		904.030.1002 904.030.1202	OM904 ATEGO		4cyl.flywheel 103mm.
408001 [408000]		906.030.0302	OM906	6	98mm
410 011		460 030 0101	OM460		
411 011		457.030.0201 457.031.0001 496.030.0001	OM 457 LA/HLA		
413 011		421.030.2401	OM 421 / A / LA		
414 000		352.030.8002	OM 352 / A		6 cylindres, 8 integrated counterweights.
415 000		366.030.1602 366.030.1502 366.030.1402 366.030.0602	OM 366 / A / LA		
416 011		401.030.2301 401.030.2501	OM 401 LA		
417 000		364.030.1102 364.030.0702 364.030.1302 364.030.1402	OM 364 / A / LA		
440 011		457.030.0401	OM457		PIN 94mm 6 CYLINDER
441 011		441.030.1601 441.030.2101	OM 441 A/LA EURO 1/2		

#### MITSUBISHI

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
490 003	34320-00030 34320-1011 (assy . p.n.)	S6 KT		
495 003	ME999367	FUSO	6 CYL	

#### NEW HOLLAND

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
385 000	FCNN-6300-LB E8NN-6303 AC 82863191	BSD666		
386 000	FCNN-6300-KB E9NN-6303-BB 81869025 82861540	BSD666TI		
387 000	F1NN-6300-CA E9NN-6303-AA 81876482	BSD666T		
388 002	2831402	T7030, T6030, T6050, TS115A, TS130A, T7050, T6070, T7040, T7060	6 CILINDROS/CYLINDERS	

#### NISSAN

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
700 000	12200-95005	NE6T	6 CYLINDERS	
701 000	12201-D8800	B6.60	6	TURBO
702 000	12201-D8801	B6.60	6	

#### PERKINS

SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
060 000	31315182 31315184 94454 94441 026032MI ZZ90111 3637458M91	4.203/D4.203		
061 000		4.165		
062 000	31315911 31315912 84422	4.248		

	85721 ZZ90093 USBG0054			
063 000	31315981 31315982 31315991 94435 94436 ZZ90082	4.248		
064 000	ZZ90081	4.248		
065 000	3131H021 68076 USBG0037	6.354-4		
066 000	3637408M91 31322361 31322316 31322317 31322363 31322364 68063 85727 ZZ90089 USBG0045	6.354-2		
067 000	31315881 31315884 31315601 31315663 31315851 84421 68050 ZZ90108	4.236		
068 000	31323261 31323262 94468 94460 94443 ZZ90090 USBG0048 3637424M91	6.354-2		
069 000	31315871 31315631 31315641 31315664 85821 94433 26042 USBG0052	4.236		
070 000	31315664 ZZ90083	4.236		
540 000	ZZ90081	SERIES 1004		
541 000	ZZ90202	SERIES 1004		
542 000	ZZ90218 ZZ90085	SERIES 1006		
543 000	ZZ90219 ZZ90087	SERIES 1006		
546 000		4006TGA ,4006TESI		6 Cilindros / 6 Cylinder
547 000		4008TGA,4008TESI		8 Cilindros / 8 Cylinder
548 000		4012TGA,4012TWG		12V Cilindros / 12V Cylinder

RENAULT					
	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
	336000	5000678620	MID. 063540	6	PREMIUM 380
	337000	5000139212	MID. 063540	6	PREMIUM 310
	338000	5000678811	MID. 063540	6	PREMIUM 340
	550 000	5000 277 203	6 CIL.		
	551 000	5600 551 684	MIDR 062356		
	552 000	5010359661	DCI11	6	
	553 000	5600551689 5010240863	PREMIUM PR-TR TRM1000 KERAX FAB		6 CILINDROS/ 6CYLINDERS
	555 000	7420486222	DXI13	6	
SCANIA					
	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
	254 000	1399252	DC11	6	
	256 000	1490686 574420	DC9	5	
	257 000	1423374 142156	DSC 12		
	258 003	342060 312739 1308467	DS 11-12-13		



259 003

370 850  
1340620

DS/C 14

VOLVO					
	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
344 000		470 681 - 8 468 617	TD 120 (>motor 186746) TD 121 TD 122 TD 123 F12 - N12		
345 000		478 676 812 5583	TD 123 E ( motor nº 186747>) F12 - N12		
346 000		8194456 8194304 (Old) 8126780	TD 102 TD 103		
348 000		20411189 1547468 (Old)	D12 D12-A D12-C		
349 000		24424609/8192695	TD73, B7		6 cyl.
350 000		477116	TD71		6 holes on the flywheel
351 000		8148110 21022489	D9		
353 000		21230583 85000536 20486221	D13	6 cyl.	
361 000		1545 657-1 467 709 8194490	TD 100 TD 101 TD 102 THD 100 THD 101 THD 102 F10 - N10		

## CRANKCASE

M.A.N.					
	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
40 010 001		51.01101.6802	D2538/2848		D2538 :use cyl.-liner no. 51.01201.0302
40 010 002		51.01102.6037	D 2530		
40 010 003		51.01102.6056	D 2542 / 2842		D 2542: use cyl.-liner no. 51.01201.0302

## MERCEDES BENZ

MERCEDES BENZ					
	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
50 010 001		441 010 0208	OM 401 OM 421 /A/LA OM 441 /A/LA		
50 010 002		442 010 0308	OM 402 OM 422 /A/LA OM 442 /A/LA		
50 010 003		443 010 0008	OM 403 OM 423 A/LA OM 443 /A/LA		
50 010 004		444 010 0108	OM 404 /A OM 424 /A/LA OM 444 /A/LA		
50 010 005		457 010 1508	OM 457 LA/HLA		
50 010 006		541 010 2305	OM 501 LA		

## CAMSHAFT

CUMMINS					
	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
6419918000		199180			CUMMINS V8 - VT903
6420105000		201050			CUMMINS V8
6420106000		201060			CUMMINS V6
64301984000		3019840			CUMMINS VT6
64301984200		3019842			CUMMINS VT8
64302317700		3023177			CUMMINS SC-NT
64302697500		3026975 3025518 3801036 3022365 3006777			CUMMINS BCF-NTC
64303611700		3036117			CUMMINS L10
64303752300 [3037523]		3037523			CUMMINS L10
64304256800		3042568 3049024 3049024			CUMMINS BCF SS

64305895700	3058957	CUMMINS BC
6430668770	3066877	CUMMINS KT19 6 CYLINDERS
64327746200	3277462	CUMMINS V8
64327746300	3277463	CUMMINS V6
64360878600	3608786	CUMMINS BC FLANGELESS C.
64380085500	3800855	CUMMINS BC FLANGELESS
64380104700	3801047 3000850 3021588	CUMMINS BC-NTC
64380142600	3801426	CUMMINS BC FLANGELESS CI.
64380144800	3036697 3801448	CUMMINS BC
64380166800	3801668	
64380174900	3801749	CUMMINS BC FLANGELESS CI.
64380176300	3801763 3049023	CUMMINS BC IV
64391463900	3914639-6B	
64392447100	3924471-6C	
64392558200	3925582-4B	

FIAT-IVECO				
SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
65 504004781	504004781	F3BE0681		CURSOR 13
65 504083996	504083996	F2BE0681		STRALIS EURO4 CURSOR 8
65 504092815	504092815	F3AE3681		CURSOR 13
65 504092816	504092816	F3BE3681		500 CV
65 504154373	504154373	F2BE0682 F2BE0642		CNG - BUS CURSOR 8
65 504221496	504221496 504004779	F3AE0681		CURSOR 10

M.A.N.				
SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
62 08240	51.044.016.296	D 0824 LF01/02 LF01/02/04-07 LOH01/02/03	R 4 108	
62 08260	51.044.016.266	D 0826 LF/01/02/05/06/ 08/09/ 11-13/217 LUH/01-06/08/10/ 12/13/213 TOH	R 6 108	
62 08261	51.044.016.290	D 0826 LF04/15/17/18 LOH15/17-19	R 6 108	
62 08460	51.044.010.102	D 0846	R 6 108	
62 21560	51.044.010.148	D 2156 D 2356	R 6 121 R 6 123	
62 21561	51.044.010.231	D 2156 MT	R 6 121	
62 25300	51.044.016.134 51.044.016.082	D 2530	V 10 125	
62 25650	51.044.016.148	D 2565	R 5 125	
62 25660	51.044.016.125	D 2566 D 2566	R 6 125 R 6 125	
62 25661	51.044.016.235	D 2566 MT	R 6 125	
62 25662	51.044.016.240	D 2566 UH D 2866 UH	R 6 125 R 6 128	
62 25663	51.044.016.271 51.044.016.231 51.044.016.179	D 2566 MT/MK D 2866 LF/TOH/LOH MK	R 6 125 R 6 128	
62 28400	51.044.016.215 51.044.016.167 51.044.016.166	D 2840	V 10 128	
62 28401	51.044.016.285	D 2840 LF01/04/06	V 10 128	
62 28420	51.044.016.363 51.044.016.352	D 2842	V 12 128	
62 28480	51.044.016.168	D 2848 M	V 10 128	
62 28481	51.044.016.186	D 2848 MT	V 8 128	
62 28650	51.044.016.374 51.044.016.340	D 2865 LF/LUH/LOH	R 5 128	

	51.044.016.283	Euro I	
62 28651	51.044.016.341 51.044.016.294 51.044.016.293	D2865 LF/LOH/LUH	R 5 128
62 28652	51.044.016.372	D 2865 LF/LUH/LOH Euro II	R 5 128
62 28660	51.044.016.277	D 2866 LF02/03	R 6 128
62 28661	51.044.016.282	D 2866 LF06	R 6 128
62 28662	51.044.016.375 51.044.016.339	D 2866 LF09/10/22 Euro 0/I	R 6 128
62 28663	51.044.016.342 51.044.016.376	D 2866 LF05/15/21 Euro 0/I	R 6 128
62 28760	51.044.016.373 51.044.016.305	D 2866 LF14/16/20/LOH23 D 2876 LF02, LUH01/02 Euro II	R 6 128
62 28761	51.044.015.053	D 2866 LF30/31 D 2876 LF/LOH/LUH Euro III	R 6 128
62 28762	51.0440 15055 51.0440 06006	D 2866 LF 32/37/41 D 2876 LF03/04/07	R 6 128

**MERCEDES BENZ**

	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
61 31400		314 050 1901	OM 314	R 4 - 97	Motor-/Engine-/Moteur-No. ... 283 201
61 31401		352 050 4401	OM 352	R 6 -97	
61 35201		352 050 4901	OM 352	R6 - 97	
61 35201		352 050 4501	OM 352 /A	R 6 - 97	
61 35202		352 050 5001	OM 352 /A	R 6 -97	
61 35500		355 051 0401	OM 355	R 6 -128	
61 35501		355 051 1001	OM 355 /A	R 6 -128	
61 36000		360 051 0001	OM 360	R 6 -115	
61 36001		360 051 0401	OM 360 /A	R 6 - 115	
61 36400		364 050 0301	OM 364	R 4 - 97,5	
61 36401		364 050 0601 364 050 0401	OM 364 /A/LA	R 4 - 97,5	
61 36600		366 050 0301	OM 366	R 6 - 97,5	
61 36601		366 050 0601 366 050 0401 366 051 1101	OM 366 /A/LA	R 6 - 97,5	
61 40100		401 050 1801	OM 401	V 6 - 125	
61 40101		401 050 2201 441 050 1701	OM 401 LA Euro I OM 441 A/LA Euro I	V 6 - 125 V 6 - 128	
61 40200		402 050 1801	OM 402	V 8 - 125	
61 40201		442 050 1701 402 050 2101 402 050 2501 402 050 2201	OM 402 LA Euro I OM 442 A/LA Euro I	V 8 - 125 V 8 - 128	
61 40300		403 050 4001	OM 403	V 10 - 125	
61 40701		447 050 1201	BM 447.903, 947.954-959, 980-987,995	R 6 - 128	
61 42100		421 050 1401	OM 421 OM 441	V 6 - 128 V 6 - 130	
61 42101		421 050 1501	OM 421 /A/LA	V 6 128	
61 42200		422 050 2101 422 050 0301	OM 422 OM 442	V 8 128 V 8 130	
61 42201		422 050 2201	OM 422 A/LA OM 442 A/LA	V 8 128 V 8 128	
61 42300		423 050 1301	OM 423 OM 443	V 10 128 V 10 130	
61 42301		423 050 1401	OM 423 A/LA	V 10 128	
61 44100		441 050 0601	OM 441	V 6 130	
61 44101		441 050 0001	OM 441 A/LA (EURO I )	V 6 128	
61 44102		441 050 1601	OM 441 LA Euro II	V 6 - 128	
61 44200		442 050 1801 442 050 0601	OM 442 Euro I	V 8 -130	

61 44201	442 050 1101 442 050 0801	OM 442 LA Euro II	V 8 - 128
61 44400	444 050 0001	OM 444 A/LA	V 12 - 128
61 44700	447 050 0201 427 050 0901 427 050 0501 407 050 1401	OM 407 H/A OM 427 /h OM 447 A/LA/hA	R 6 - 125 R 6 - 128 R 6 - 128
61 44701	427 050 1001	OM 447 A/h/LA/HLA	R 6 - 128
61 44702	447 050 1901	OM 447 HLA Euro II	R 6 - 128
61 44900	449 050 0601	OM 449 LA	R 5 128
61 50100	541 050 1001	OM 501 LA	V 6 - 130
61 50101	541 050 1801	OM 501 LA	V 6 - 130
61 50200	542 050 0601	OM 502 LA	V 8 - 130
61 50201	542 050 1401	OM 502 LA	V 8 - 130
61 60100	601 050 0801		
61 60100	601 050 0801	OM 601 /A	R 4 - 87/89
61 90400	904 050 0401 904 050 0901	OM 904 LA	R 4 - 102
61 90600	906 050 0901 906 050 1401	OM 906 LA	R 6 - 102
61 90601	906 050 2401 906 050 2601	OM 906 LA	R 6 - 102

**VOLVO**

	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
63 10000		467853-8 422363-2	TD 100 A/C THD 100 D/DA/DB/DC THD 100 DD	R 6 - 120,64	
63 10100		479610-8 479450 1545071-1 8194480	TD 101/102 TD 100 G/GA THD 100 E/EB/EA EC/ED/EE/EK/KC THD 101/102 D 10 A	R 6 - 120,64	
63 12000		479620-7 478750 468723-2 8193727	TD 120 C/D/E/F/ FA/FB/FC/ G/GA TD 121 TD 122	R 6 - 130,18	
63 12001		845800-2 468022-9	TD 120 A/AG	R 6 - 130,18	
63 12120		8148524	D 12 A/B	R 6 - 131	
63 16200		1543704-9	TD 162/163 D 16 A	R 6 - 144	

**CYLINDER HEAD**

**M.A.N.**

	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
86 08261		51031016725	D 0824 D 0826 /LF17/ LF03/LOH15/ LUH12/13 D 0834 LFL03 D 0836 LFL01	R 4/6 108	ohne Ventile without valves sans soupapes sin válvulas  Euro 2
86 08262		51031016682	LF01/LFL01/LFO01 D 0826 LF04/07/08/ LUH01-03/05/06 LOH06/07/LFL06	R 4/6 108	
86 08460		51031016570	D 0846	R 6 108	
86 25300		51031016550 51031016508	D 2530 M D 2538 M D 2555 M D 2556 M D 2565 M D 2566 M D 2840 MF/MFR/MH D 2842 M D 2848 M	R 5/6 V 8-12 125/128	
86 25301		51031016510	D 2530 MT D 2532 MT D 2538 MT D 2565 MT D 2566 MT	R 5/6 V 8-12 125	
86 25660		51031016585	D 2566 UH/BUH D 2840 LF460 D 2842 LF D 2848 D 2865 LF/LFR/LXF LXFR/LUH02/03/05 D 2866 LH01/02/LOH LUH/LXUH/LFZ LFZR/LUL/LXU/ LU01/03/04 K/KUH/KF	R 5/6 V 8-12 125/128	

		KH/KEZ/KOH/ KU/KUL/ TOH/TUH/TUM FZ/F/FR UH/UM/U MO01 LXF LF04/07/08	
86 28660	51031016661 51031016738 51031016773	D 2866 LF03/05/06/09/10/15/21/22 LOH06/07/20/21/22 LU01/03/05/LH02	R 6 128
86 28661	51031016739 51031016772 51031016774	D 2866 LF16/20/34/35/ LOH23/26/ LUH21/22/26 D 2876 LF02/LOH01/02 03/05/LUH 01/02 D 2840 LF20/21/23/24	R 6 V 10 128
86 28663	51031006053 51031006802 51031006807 51031016824	D 2866 LF23-28/ 31/32/39/40/41 D 2876 LF03-11/14/17 LOH02/03/05	R 6 128
86 28760	51031006181	D 2876 LF12/13/25 LOH20/21	R 6 128

MERCEDES BENZ					
	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
83 3522021		352 010 0221 352 010 2021	OM 352/353	R 6 97	
85 3522221		352 010 2221	OM 352 A	R 6 97	
85 3525220		352 010 5020 352 010 5220	OM 352/353	R 6 97	
85 3550220		355 010 0220 355 010 0820	OM 346 OM 355	R 5/6 128	
85 3550620		355 010 0620	OM 355 A	R 5/6 128	
85 3661620		366 010 1620 366 010 1720	OM 366	R 6 97,5	
85 3666820		366 010 2920 366 010 6820	OM 366 A/LA	R 6 97,5	
85 4020320		402 010 0320	OM 401 LA OM 402 LA	V 6/8 125	
85 4034020		427 010 1020 403 010 4020	OM 401-404 /A/LA OM 407-409 /A/h LA OM 421-424 /A/LA OM 427-429 A/h/LA OM 441-444 /A/LA	R 5/6 V 6-12 125/128/130	
85 4420620		442 010 0620	OM 441 A/LA OM 442 A/LA OM 447 h/LA	R 6 128	
85 4420720		442 010 0720	OM 401-404 /A/LA OM 407-409 /A/h LA OM 421-424 /A/LA OM 427-429 A/h/LA OM 441-444 /A/LA	R 5/6 V 6-12 125/128/130	
85 4421320		442 010 1320	OM 442 A/LA OM 444 LA	V 8/12 128	
85 4472020		447 010 1320 447 010 2020	OM 447 HLA	R 6 128	
85 4574620		457 010 4620	OM 457 LA/HLA	R 6 128	
85 5416420			OM 501 LA OM 502 LA	V 6/8 130	
85 5416420			OM 501 LA OM 502 LA	V 6/8 130	

#### FLYWHEEL RINGS

M.A.N.					
	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
70 1300013		51.021.300.013	D 25.. D 28..	R 5/6 V 8-12 125/128	

  

MERCEDES BENZ					
	SANZ REF.	ORIGINAL REF.	MOTOR	CYLINDERS	OBSERVATIONS
70 4030309		403 032 0309	OM 401-404 /A/LA OM 407-409 /A/h LA OM 421-424 /A/LA OM 427-429 A/h/LA OM 441-444 /A/LA OM 447-449 A/h/LA OM 457 LA/HLA OM 501-502 LA	R 5/6 V 6-12 125/128/130	

