



Cigüeñales Sanz
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Cigüeñales

| CASE | | | |
|-----------|-------------------------------------|---------------------------|-------------------------|
| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 258 000 | 1308467 | Mod. 2870-4890 Tractor | 6 Cilindros 6 Cylinders |
| 369 000 | J908032 | Mod. 2096-1896 Tractor | 6 Cilindros 6 Cylinders |
| 372 000 | J918323 J916190 J908031 (OLD) | 4390 4T390 | 4 Cilindros 4 Cylinders |

| CATERPILLAR | | | |
|----------------------|---|------------|---|
| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 112 001 | 2W7960 3370872 | 3304 DI | 4 Cilindros 4 Cylinders |
| 112 003 [112 000] | 4N7692 4N7694 5S5252 | 3304 | 4.3 4 |
| 114 001 | 334-8389 2W7458 | 3306 DI | 6 Cilindros 6 Cylinders |
| 114 003 [114 000] | 4N7693 4N7696 2Y4517 | 33063306-C | 4.3 4 |
| 115 000 [115 001] | 9N0300 9N0303 9N6220 9N6221 2W0085 | 3208 | V-8 |
| 116 000 [116 003] | 2W2300 2W2585 1W6207 6N3907 7C4859 1170456 | 3406 | 6 Cilindros 6 Cylinders |
| 260 000 | 2P3839 | D343 | 6 Cilindros 6 Cylinders |
| 261 003 [261 000] | 1W9771 4N1112 | 3204 | |
| 262 003 [262 000] | 1W5009 | 3408 | V-8 |
| 263 003 [263 000] | 1W6209 | 3408 | V-8 |
| 288 003 [288 000] | 8M4505 | D330 | 040102 |
| 303 001 | 2W4088 2619648 | 3412 | V 12 Piñón de dientes rectos Straight teeth gear |
| 303 002 | 213-3203 3849906 1512941 | 3412 | V 12 |
| 303 003 | 1W6213 2619647 4N0922 4N7755 | 3412 | V 12 Piñón de dientes helicoidales Heliocoidal teeth gear |
| 304 003 | 6N2823 | D8K | 6 Cilindros 6 Cylinders |
| 305 000 | 1930159 2340207 | CAT 3056 | 6 Cilindros 6 Cylinders |
| 306 001 | 1161072 1694189 3264280 | C-12 | 6 Cilindros 6 Cylinders |



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| 307 003 | 160 1799 | C-15 | 6 Cilindros 6 Cylinders |
| 309 001 | 3133996 2219362 | C-11 | 6 Cilindros 6 Cylinders |
| 310 001 | 3133997 2219364 | C-13 | 6 Cilindros 6 Cylinders |
| 311 003 | 1556632 1321116 | C-16 | 6 Cilindros 6 Cylinders |
| 312 003 | 1894918 1950314 1894917 | C -18 | 6 Cilindros 6 Cylinders |
| 313 002 | 2256053 2194453 | C-27 | V12 |
| 314 002 | 2243252 2194454 3849908 | C-32 | V12 |
| 315 001 | 2611544 1608147 | C-9 | 6 Cilindros 6 Cylinders |
| 315 002 | 2827958 | C-9 | 6 Cilindros 6 Cylinders |
| 316 001 | 2275480 2715658 | C-7 | 6 Cilindros 6 Cylinders |
| 316 002 | 2827956 | C-7 | 6 Cilindros 6 Cylinders |
| 318 000 | 1323211 | C-10 | 6 Cilindros 6 Cylinders |
| 318 002 | 1694187 3264278 | C-10 | 6 Cilindros 6 Cylinders |
| 318 004 | 1193751 1161081 | C-10 | 6 Cilindros 6 Cylinders |
| 319 000 | 152-7625 | 3508 | V8 |
| 320 000 | 2767387 2767388 | C-6.6 | 6 Cilindros 6 CylindersReemplazado por 3749163 Replaced by 3749163 |
| 321 000 | 1533928 | 3508 | V8 |
| 329 000 | 7C8214 7C3184 2218057 4P9948 3131-5991 3131-5666 1397018 | 3054 | 4 Cilindros 4 Cylinders |
| 371 001 [371 000] | 1051725 4W3498(Old) | 3116 3126 KODIAK | 6 Cilindros 6 Cylinders |
| 377 000 [377 003] | 6I1453 | 3406-E 3406-C | 6 Cilindros 6 Cylinders |
| 379 003 | 1253005 5I7671 | 3066 | 6 Cilindros 6 Cylinders |
| 323 001 | 1070992 | 3046 | 6 cilindros 6 cylinders |
| 322 001 | 2219360 3370201 | C15 Acert | 6 Cilindros 6 Cylinders |
| 324 003 | 1172830 | 3046 | 6 Cilindros 6 Cylinders |
| 325 000 | 3764074 | C7.1 | 6 Cilindros 6 Cylinders |
| 332 000 | 3749163 | C6.6 | 6 cylinders 6 cilindros |
| 531 000 | 2327400 3642829 | C4.4 | 4 Cilindros 4 Cylinders |

CUMMINS

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|----------------------|-------------------------------|---------------|--|
| 072 000 [072 003] | 3000140 3024923 3608833 | NTA-855 | Punta cilíndrica Cylindrical front end Big Cam |
| 108 000 | 195240 | V6-155 Series | V-6 |
| 109 000 | 194840 | V8-210 Series | V-8 |



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| 120 000 | 3001588 3029340 | NH-250 | Punta cónica Conical front end |
| 121 000 | 3029341 101109 | NH-220 | Tipo antiguo |
| 326 003 [326 000] | 3819989 | L10 | 5 Tornillos 5 Bolts 6 Cilindros 6 Cylinders |
| 327 003 [327 000] | 3803898 | L10 | 6 Tornillos 6 Bolts 6 Cilindros 6 Cylinders |
| 328 003 [328 000] | 3819624 | LT10-C225 LT10-C250 L10-C325 | 5 Tornillos 5 Bolts 6 Cilindros 6 Cylinders |
| 365 003 [365 000] | 3918986 3910968 3914584 3917320 3917443 | 6C C Series | 8.3 L 6 Cilindros 6 Cylinders |
| 369 003 [369 000] | 3929037 3907804 (Old) 3908032 | 6B 6BT 6BTA B Series | 5.9 L 6 Cilindros 6 Cylinders |
| 372 003 [372 000] | 3908031 3907803 (Old) | 4B 4BT B Series | 3.9 L 4 Cilindros 4 Cylinders |
| 422 003 [422 000] | 3073707 | M11 | 5 Tornillos 5 Bolts 6 Cilindros 6 Cylinders |
| 423 000 | 3064291 | N14 | 6 Cilindros 6 Cylinders |
| 500 002 | 2831067 4981266 2831052 | ISBe 150 ISB 3.9 | 4 Cilindros 4 Cylinders |
| 501 002 | 2830476 4981642 | ISBe 180 ISBe 220 ISBe 250 | 6 Cilindros 6 Cylinders |
| 503 000 | 3096362 3347569 3005357 3418898 3201082 3090485 | K19 KTA 1150 QSK 19 | Contrapesos integrados Integrated counterweights |
| 504 000 | 4099004 3630075 33176406 3176424 | K38, KTA38 | KV - 12 |
| 505 000 | 4098998 3629276 33172928 3627642 3648618 | K50, KT50 | KV - 16 |
| 506 000 | 3331923 3089963 3089797 | Q60, QSK60 8 counterweights 8 contrapesos | KV - 32 V16 |
| 507 000 | 4925762 3681911 3608889 4923646 4330732 | ISX QSX15 X15 | 6 Cilindros 6 Cylinders |
| 508 005 | 3944243 | QSB 5.9 | 6 Cilindros 6 Cylinders |
| 509 005 | 3965008 3965006 3965007 | QSC 8.3 ISC 8.3 | 6 Cilindros 6 Cylinders |
| 510 000 | 3311922 3089796 3089962 | QSK45 | V12 |
| 511 003 | 3092922 | QST30 | V12 |



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| 512 000 | 4096111 4095435 4096113 4095434 | QSK23 | 6 CILINDROS 6 CYLINDERS |
| 513 003 | 3092922 | QST30C | V12 |
| 506 010 | 3642889 3642870 | Q60, QSK60 16 counterweights 16 contrapesos | V16 |
| 514 000 | 4917120 4916789 4916790 4916739 | QSK 19 | 6 CYLINDER |
| 514 000 | 4917120 4371597 | QSK19 | |
| 515 002 | 4934862 3974538 5301009 3968164 3974635 | QSB 6.7 ISBe 6.7 | |
| 516 003 | 3965010 | ISL 9 | |

DAF

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|----------------------|----------------------|---|--|
| 200 003 [200 000] | 067 0906 | 1160 (SERIE II) DKX DKCL DKFL | 6 Cilindros 6 Cylinders DAF 2800 CONICAL NOSE |
| 201 003 [201 000] | 02231599 028 8836 | 1160 ATI | 6 Cilindros 6 Cylinders DAF 3300 CONICAL NOSE |
| 202 000 | 1297017 87715 | WS 95 | 6 Cilindros 6 Linderos DAF 95 (motor engine WS) CYLINDRICAL NOSE |
| 203 002 | 1399631 1408257 | LF 4555 Euro 3 | 6 Cilindros 6 Cylinders |

DETROIT DIESEL ALLISON (DDA)

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|--------------------|----------|--------------------------------|
| 089 000 | A906 030 1102 | MB900 | 6 Cilindros 6 Cylinders |
| 400 000 | 5146733 | 6V71 | |
| 402 000 | 8926419 8926921 | 6V92 | Giro a derecha R.H.Rotation |
| 403 000 | 8926420 8926922 | 6V92 | Giro a izquierda L.H. Rotation |
| 406 000 | 23527771 | SERIE 60 | |
| 407 000 | 23518646 | SERIE 60 | |
| 410 011 | A460 030 0101 | MB4000 | 6 Cilindros 6 Cylinders |
| 600 000 | 23527225 | SERIE 60 | 14L. |
| 601 000 | 23515598 | SERIE 60 | 12.7L |

KOMATSU

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|------------------------------|----------------------|--|
| 482 003 | 6261-31-1200 | SAA6D140E-5 | 6 CILINDROS 6 CYLINDER |
| 330 000 | 6710-31-1112 6710-31-1111 | 6 CIL. | 6 Cilindros 6 Cylinders D85 |
| 331 000 | 6623-31-1111 | 6 CIL. | 6 Cilindros 6 Cylinders |
| 333 000 | 6735-01-1310 6736-31-1100 | 6 CIL. 102 engine | 6 Cilindros 6 Cylinders |
| 418 000 | 6207-31-1100 | S6D95 | PC200-5,6 PC220-5,6 WA150-1,3 WA180-1 WA200-3 D31E-20 D37E-5 |



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| 419 000 | 6136-31-1110 6136-31-1010 | S6D105 | PC200-1,2,3 PC220-1,2,3 WA200-1 WA250-1 WA300-1,2 WA320-1 D40-3,5 |
| 420 000 | 6138-31-1010 | S6D110 | PC280-3 WA350-1WA400-1 WA420-1 |
| 470 003 [470 000] | 6151-35-1010 6151-31-1010 6252-31-1010 | S6D125 | 6 Cilindros 6 Cylinders |
| 471 003 [471 000] | 6211-31-1010 | S6D140 | 6 Cilindros 6 Cylinders |
| 472 003 [472 000] | 6127-31-1012 6127-31-1114 6127-31-1011 | S6D155 | 6 Cilindros 6 Cylinders |
| 473 003 [473 000] | 6162-33-1201 6162-33-1202 | S6D170 | 6 Cilindros 6 Cylinders |
| 474 003 [474 000] | 6162-33-1402 | SA6D170 | 6 Cilindros 6 Cylinders |
| 475 005 | 6240-31-1101 6240-31-1301 6240-31-1300 | SAA6D170 | 6 Cilindros 6 Cylinder |
| 476 005 | 6745-31-1120 | SAA6D114E-3 | 6 Cilindros 6 Cylinder |
| 477 003 | 6742-01-1570 | SAA6D114E-2 | 6 Cilindros 6 Cylinder |
| 478 003 [478 000] | 6217-31-1010 | SAA6D140E-3 | 6 Cilindros 6 Cylinder |
| 479 000 | 6245-31-1100 6245-31-1301 | SAA6D170E-5 | 6 Cilindros 6 Cylinder |
| 480 003 | 621-31-1100 6215-31-1101 6215-311110 | SA12V140 | V12 |
| 481 003 | 6219-31-1100 | SAA12V140 | V12 |
| 483 002 | 6754-32-1330 6754-01-1310 | SAA6D107 | 6 cilindros 6 cylinders |

DEUTZ

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|----------------------|------------------------|------------------|---|
| 390 003 [390 000] | 0415 1011 0292 9342 | F6L912 D W | 6 Cilindros 6 Cylinders Aspirado Aspirated |
| 391 003 [391 000] | 0213 9148 02931056 | F6L913 F6L912 | 6 Cilindros 6 Cylinders Aspirado Aspirated |
| 409 003 [409 000] | 0292 9345 0213 9405 | BF6L913 C T | 6 Cilindros 6 Cylinders Turbo |

DOOSAN

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|---------------------------------|--|---------------|
| 800 011 | 65021017033 | DV11 | V6 |
| 801 011 | 65.02101.7108 65.02101.7397 | ADGVV 158TI DV15TTITIS P158 FELE | V8 |
| 802 011 | 65.02101.6020A 65.02101.7110 | ADGV8PUV 180TI P180 FELE | V10 |
| 803 011 | 65.02101.7112 | ADGVPUV 222TI P222 FELE | V12 |

FIAT-IVECO

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|---------------|---------------|-----------------|
| 359 000 | 4814975 | IVECO 8280.22 | 190.353842 (V8) |



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| 380 000 | 4832171 | IVECO 8360 | Punta larga Long nose 150.17 - 159.17 - Tractor FIAT 180.90 AIFO Mod. 8361SRM38 SNo.76102 Tractor New Holland 1580 |
| 381 000 | 61320997 61318429 61315203 61318243 61321276 | IVECO 8460 | 175.24 - 190.26 - 190E34 - 190E38 - EUROTECH |
| 383 000 | 98475013 | IVECO 8210.2242 | 8 Contrapesos 8 Counterweights 619N1 190.26 - 190.30 |
| 384 000 | 4758590 | IVECO 8210.2242 8217.32 | 12 Contrapesos 12 Counterweights 619N1 190.26-190.30 |
| 385 000 | 82863191 | IVECO | 6 Cilindros 6 Cylinders |
| 386 000 | 82861540 | IVECO | 6 Cilindros 6 Cylinders |
| 387 000 | 81876482 | IVECO | 6 Cilindros 6 Cylinders |
| 393 000 | 98451527 504075031 | IVECO 8040.05 IVECO 8040.25 | 50.9-65.12 ZETA 65E10-75E12 50NC |
| 394 000 | 4785107 | IVECO 8060.05 IVECO 8060.25 | 95.14.1 - 109.14.1 -110.14 - EUROCARGO 116136 CV - FIAT 150NT |
| 395 000 | 98475014 | IVECO 8210.42RK LTCA | 8 Contrapesos 8 Counterweights 190.36 - TURBOSTAR |
| 396 000 | 4742617 98475014 | IVECO 8210.42RKL TCA | 12 Contrapesos 12 Counterweights 190.36 TURBOSTAR |
| 398 000 | 98485360 | IVECO 8210.42M | 8 Contrapesos 8 Counterweights 190.36E47 |
| 399 000 | 99439265 | IVECO 8210.42 LTCA | 8 Contrapesos 8 Counterweights 440E+44 |
| 424 000 | 4708191 | IVECO 8360 | Punta corta Short Nose |
| 451 002 | 2831067 | F4A0481 | TECTOR 75 E1, NEF. 4 Cilindros 4 Cylinders |
| 452 002 | 2830476 4896766 | F4A0681 | TECTOR 130E , EUROCARGO TECTOR 170E 22. 6 Cilindros 6 Cylinders |
| 453 002 | 504057571 | F4GE0604 | IVECO - AIFO, NEF. |
| 454 003 | 99485949 | F2BE0681 | CURSOR 8 |
| 455 000 | 99437550 | 190E43260E39 | CURSOR 10 |
| 456 003 | 99438979 | F3BE0681 | CURSOR 13 -STRALIS |
| 457 002 | 2831402 | 6.7 NEF67 F4DFE613-2 | 6 Cilindros 6 Cylinders |

GENERAL MOTORS (G.M.)

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|---------------|----------|---------------|
| 450 000 | | 6.5 Lts. | Hummer V-8 |

HYUNDAI

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|---------------|-------|-------------------------|
| 811 003 | 2310083001 | D6AC | 6 Cilindros 6 Cylinders |
| 812 003 | 2310084010 | D6C | |

IKARUS

| Ref. Sanz | Ref. Original | Motor | Observaciones |
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| 530 000 | 10.2101.7104 10.2101.3001 10.2101.1071 10.2101.0121 | 6 CIL | 6 Cilindros 6 Cylinders 8 Contrapesos con tornillos 8 Counterweights fastened with bolts |
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INTERNATIONAL

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|---------------------------------------|--------------|--|
| 105 005 | 675669C-92 675669C-93 675669C-2 | DT-466 | 6 Cilindros 6 Cylinders (Parte del ensamblaje Part of assembly: 1821981C91) |
| 117 005 | 675668C92 | DT-414 | 6 Cilindros 6 Cylinders |
| 118 005 | 675663C92 | DT-436 | 6 Cilindros 6 Cylinders |
| 125 000 | 684390C91 | DVT-573 | LOADER H90 (V8) |
| 392 005 | 1809953C91 | DT-360 | 6 Cilindros 6 Cylinders |
| 520 005 | 1830596C91 | DT-466 E NGD | 6 Cilindros 6 Cylinders Motor eléctrico Electronic engine |

ISUZU

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|---------------|------------|-------------------------|
| 650 000 | 8973525342 | 4HE1 NQR70 | 4 Cilindros 4 Cylinders |

JOHN DEERE

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|----------------------|---|--|---|
| 090 003 [090 000] | AT-18031 T-23516 RE-47637 RE-46896 | 940 1020 1030 1040 1120 1130 1140 | 3 Cilindros 3 Cylinders |
| 091 003 [091 000] | AT-18030 T-23517 | 1640 1830 1840 2020 2030 2040 2040 S 2120 2130 | 4 Cilindros 4 Cylinders |
| 092 003 [092 000] | AT-22562 T-23266 | 3030 3040 3120 3130 3140 3640 4040 S | 6 Cilindros 6 Cylinders |
| 093 003 [093 000] | RE-20585 RE-36605 | 4239 | 4 Cilindros 4 Cylinders Nariz Nose 60 mm |
| 094 003 | RE-50979 | 2.9 L 3179 DT 3029 | 3 Cilindros 3 Cylinders POWER TECH |
| 095 003 [095 000] | RE-54883 RE-33485 (Old) | 4276 | 4 Cilindros 4 Cylinders |
| 096 003 [096 000] | RE-45517 RE-33687 (Old) | 6414 6068T | 6 Cilindros 6 Cylinders |
| 097 003 [097 000] | RE-56792 | 4276 D T | 4 Cilindros 4 Cylinders |
| 098 003 | RE-50618 RE-504638 | 4.5 L | 4 Cilindros 4 Cylinders POWER TECH |
| 099 002 | RE-534314 RE-530437 | 8.1L | 6 CYL ,POWER TECH. Corona Recta Straight Rear Gear |



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| 099 005 | RE-55522 RE-535300 | 8.1 L | 6 Cilindros POWER TECH , CORONA HELICOIDAL. |
| 335 003 | AR-96189 | 6404 6466 6076 | 6 Cilindros 6 Cylinders |
| 335 004 [335 000] | RE-53422 | 6404 6466 6076 | 6 Cilindros 6 Cylinders |
| 335 005 | RG-23551 | 6466 6076 | 6 Cilindros 6 Cylinders |
| 340 003 | RE-52850 RE-504639 RE-515785 | 6.8 L | 6 Cilindros 6 Cylinders POWER TECH WO BEARINGS |
| 342 002 | RE548603 RE525587 RE56972 | 6090 | Powertech 9.0 |
| 343 002 | RE540429 RE526075 | 6090 | Powertech 9.0 |
| 378 004 [378 000] | AR-92533 | 6619 | 6 Cilindros 6 Cylinders |
| 428 003 [428 000] | AR-26431 | | 6 Cilindros 6 Cylinders |
| 341 003 | RE505921 RE503470 R116076 RE53716 | 6068HR | TAPER NOSE |

KAMAZ

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|------------------|---------|----------------------|
| 287 000 | 7401000107 | V-8 | Motor V-8 V-8 Engine |
| 560 000 | 100500800-074030 | EURO I | Motor V-8 V-8 Engine |
| 561 000 | 100500800-074050 | EURO II | Motor V-8 V-8 Engine |

LAND ROVER

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|----------------------|------------|----------------------|
| 041 000 | ERC 5014 ERC 6584 | 2.14 Ltrs. | Mod, 88-109 5 apoyos |

MACK

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|--|-------|-------------------------|
| 425 000 | 456GC5140M 57GC2145 (new ref. for assy) | E-7 | 6 Cilindros 6 Cylinders |
| 429 000 | 456GC2125 | E-6 | 6 Cilindros 6 Cylinders |
| 433 000 | 20585167 | MP7 | 6 Cilindros 6 Cylinders |
| 434 000 | 20486222 | MP8 | 6 Cilindros 6 Cylinders |
| 435 000 | 8131247 | MP10 | 6 Cilindros 6 Cylinders |

MAN

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|--------------------------------|-------------|--|
| 205 000 | 51 02101 7123 | D 2156 2356 | 6 Cilindros 6 Cylinders 8 Contrapesos con tornillos 8 Counterweights fastened with bolts |
| 206 000 | 51.02101.7737 | D0824 | 4 Cilindros 4 Cylinders |
| 207 000 | 51.02101.6088 51.02101.7735 | D0826 | 6 Cilindros 6 Cylinders |
| 208 000 | 51.02101.6097 | D0834 | 4 Cilindros 4 Cylinders |



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| 209 000 | 51.02101.6022 51.02101.0608 51.02101.6090 51.02101.6056 | D0836 | 6 Cilindros 6 Cylinders |
| 249 011 | 51.02101.7204 | D 2538 M MT | V-8 |
| 250 011 | 51.02101.7205 | D 2530 M MT | V-10 |
| 251 011 | 51.02101.7515 51.02101.7613 | D 2566 2866 | 6 Cilindros 6 Cylinders 4 Contrapesos 4 Counterweights |
| 252 011 | 51.02101.7405 51.02101.7390 | D 2566 2866 | 6 Cilindros 6 Cylinders 8 Contrapesos 8 Counterweights |
| 432 000 | 51.02101.6092 51.02100.6022 51.02100.6068 | D0836 - Euro IVV | 6 Cilindros 6 Cylinders |
| 255 000 | 51.02101.0673 51.02101.0690 51.02101.0671 51.02101.0634 51.02101.0679 51.02101.0682 | D 2066 | 6 Cilindros 6 Cylinders Contrapesos integrados Integrated Counterweights |
| 334 011 | 51.02101.7243 51.02101.7600 51.02101.7542 51.02101.6008 | 2840 MF D 2840-LF 01 2840-LF-LXF | V-10 |
| 347 011 | 51.02101.7601 51.02101.7757 | D 2842 | V-12 |
| 368 011 | 51.02101.7599 51.02101.7755 51.02101.7763 | D 2848 | V-8 |
| 412 011 | 51.02101.6018 51.02101.6082 51.02101.7706 51.02101.6038 51.02101.6044 51.02100.6018 51.02101.6058 | D 2876 | 6 Cilindros 6 Cylinders 8 Contrapesos integrados 8 Integrated counterweights |
| 430 011 | 51.02101.6081 51.02100.6019 51.02100.6037 51.02100.6043 51.02100.7741 | D 2866 | 8 Contrapesos integrados 8 Integrated counterweights |
| 431 000 | 51.02101.0632 | D 2676 | 6 Cilindros 6 Cylinders |

MERCEDES BENZ

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|--|--------|---|
| 082 000 | 615.031.7801 | OM 615 | 4 Cilindros 4 Cylinders - 2 Lts |
| 084 000 | 352.030.3402 352.030.1502 352.030.5601 352.030.6802 | OM 352 | 6 Cilindros 6 Cylinders Roscado Scrolled Contrapesos con tornillos Counterweights fastened with bolts |
| 085 000 | 352.030.3702 352.030.4602 352.030.5802 352.030.7002 344.030.4901 344.030.6701 344.030.9301 | OM 352 | 6 Cilindros 6 Cylinders Moleteado Knurled Contrapesos con tornillos Counterweights fastened with bolts |
| 086 003 | 355.030.6701 | OM 355 | 6 Cilindros 6 Cylinders Aspirado normal Normal aspirated |
| 087 003 | 355.030.6801 | OM355T | 6 Cilindros turbo 6 Cylinders turbo |



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| 088 000 | 646.031.0401 646.031.0101 646.031.0701 611.031.0201 611.031.0501 | OM611OM646 | 4 Cilindros 4Cylinders |
| 089 001 [089 000] | 906.030.0502 906.030.1102 906.030.1302 906.030.0301 906.030.0501 | OM906 LA | 6 Cilindros 6 Cylinders Atego |
| 100 000 | 314.030.6102 314.030.5202 314.030.3202 314.030.2002 314.030.5501 | OM 314 | 4 Cilindros 4 Cylinders Roscado Scrolled |
| 101 000 | 314.030.6202 314.030.6002 314.030.5502 314.030.3302 | OM 314 | 100 0004 Cilindros Moleteado Knurled |
| 102 011 | 401.030.1901 401.030.1501 | OM 401 | V-6 |
| 103 011 | 402.030.2301 | OM 402 | V-8 |
| 128 011 | 422.030.3701 422.030.4301 422.030.4401 | OM 422 A LA OM 442 (EURO) | V-8 (Motor N° > 470878) |
| 129 011 | 444.030.0701 444.030.0501 444.030.0401 444.030.1001 | OM424 A LA OM444 A LA | V12 |
| 230 000 | 366.030.0702 366.030.1102 | OM 366 A LA | 6 Cilindros 6 Cylinders Contrapesos con tornillos Counterweights fastened with bolts |
| 231 011 | 423.030.1501 423.030.3401 423.030.3301 | OM 403 OM 423 A LA OM 443 A LA | V-10 |
| 232 011 | 403.030.3001 | OM 403 | V-10 |
| 233 000 | 366.031.1201 | OM366 A LA | 6 Cilindros 6 Cylinders 8 Contrapesos integrados Integrated Counterweights |
| 235 001 [235 000] | 926.030.0201 | OM926 | 6 Cilindros 6 Cylinder stroke 136,00mm |
| 236 000 | 924.030.0101 | OM924 | 4 Cilindros 4 Cylinder stroke 136,00mm |
| 237 000 | 612.031.0001 | OM612 OM647 LA | 5 Cilindros 5 Cylinder |
| 238 000 | 352.030.0002 | OM352 | 6 Cilindros 6 Cylinders, Roscado Scrolled Contrapesos integrados Integrated Counterweights |
| 239 013 | 360.030.1601 360.030.1201 360.030.0101 | OM 360 | 6 Cilindros 6 Cylinders |
| 242 011 | 407.030.2101 407.030.1601 | OM 407 A | 6 Cilindros 6 Cylinders 4 Contrapesos 4 Counterweights |
| 243 011 | 447.030.0701 447.030.0801 447.030.0901 407.030.2401 496.030.0201 | OM 447 HAHALA OM 427 HAHALA OM407 A | 6 Cilindros 6 Cylinders 8 Contrapesos 8 Counterweights |
| 244 011 | | OM457 | 6 Cilindros 6 Cylinders 8 Contrapesos 8 Counterweights - AXOR |



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| 246 011 | 542.030.0101 542.030.1901 542.030.0501 542.030.1801 542.060.1301 | OM502 LA | V-8 Actros |
| 247 000 | 602.031.2501 602.030.0801 | OM 602 LA | 5 Cilindros 5 Cylinders Sprinter TDI |
| 268 003 | 345.030.5001 | OM 355 5 | 5 Cilindros 5 Cylinders |
| 286 011 | 421.030.2501 421.030.1701 | OM 421 A LA | V-6 (Motor N° > 493529) |
| 291 011 | 442.030.0801 442.030.0301 442.030.0901 442.030.0401 | OM 442 A LA (EURO 12) | V-8 (Motor N° 470879 >) 6 Contrapesos 6 Counterweights |
| 339 011 | 441.030.1701 441.030.2201 | OM 441 A LA (EURO 12) | V-6 |
| 366 011 | 402.030.3201 402.030.2901 402.030.3001 | OM 402 LA | V-8 Turbo |
| 370 011 | 409.030.1101 | OM 409 429 449 A - LA | 5 Cilindros 5 Cylinders |
| 373 011 | 541.030.0601 541.030.0801 541.030.2001 541.030.2701 541.030.1801 541.030.2801 | OM 541 OM 501LA | V-6 Actros |
| 374 001 [374 000] | 904.030.0702 | OM904 ATEGO | 4 CIL. Flywheel 98 mm. |
| 375 001 [375 000] | 904.030.1002 904.030.1202 | OM904 ATEGO | 4 CIL. Flywheel 103 mm. |
| 408 001 [408 000] | 906.030.0302 906.030.0902 906.030.0702 | OM906 | 98mm - 6 CYL |
| 410 011 | 460.030.0101 | OM460 | 6 Cilindros 6 Cylinders |
| 411 011 | 457.030.0201 457.031.0001 496.030.0001 457.031.0201 457.031.0401 | OM 457 LAHLA | 8 Contrapesos integrados 8 Integrated Counterweights 6 Cilindros 6 Cylinders Mod. AXOR |
| 413 011 | 421.030.2401 | OM 421 A LA | V-6 (Motor N° 493530 >) |
| 414 000 | 352.030.8002 | OM 352 A | 6 Cilindros 6 Cylinders Moletado Knurled Contrapesos integrados Integrated Counterweights |
| 415 000 | 366.030.1602 366.030.1502 366.030.1402 366.030.0602 | OM 366 A LA | 6 Cilindros 6 Cylinders 12 Contrapesos integrados 12 Integrated Counterweights |
| 416 011 | 401.030.2301 401.030.2501 | OM 401 LA | V-6 (EURO 1) |
| 417 000 | 364.030.1102 364.030.0702 364.030.1302 364.030.1402 | OM 364 A LA | 4 Cilindros 4 Cylinders |
| 440 011 | 457.030.0401 | OM457 | 6 cilindros. PIN Ø94 |
| 441 011 | 441.030.1601 441.030.2101 | OM441 A LA | V6 |
| 443 003 | 471.031.0701 | OM471 | 6 Cilindros 6 Cylinders |
| 442 003 | 646.030.0001 | OM646 | 4 CylindersWith counter gear Con engranaje cuentavueeltas |
| 444 003 | 472.031.0301 | OM472 | 6 Cilindros 6 Cylinders |
| 445 003 | 473.031.0001 473.031.0201 | OM473 | 6 Cilindros 6 Cylinders |



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| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 490 003 | 34320-00030 34320-1011 (assy. p.n.) | S6 KT | 6 Cilindros 6 Cylinders |
| 495 003 | ME999367 | FUSO 6D22 | 6 Cilindros 6 Cylinders |
| 491 003 | 32B20-10010 | S6S | 6 cilindros 6 cylinders |
| 492 001 | 32B20-10020 | S6S-T | 6 cilindros 6 cylinders |
| 493 003 | 32B20-10030 | S6S-DDT | 6 cilindros 6 cylinders |
| 496 003 | | FUSO 6R10 | 6 Cilindros 6 Cylinders |

| NEW HOLLAND | | | |
|-------------|--|---|-------------------------|
| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 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 | T6030, T6050, T7030, T7040, T7050, T7060, T7070, TS11A5, TS130A | 6 Cilindros 6 Cylinders |

| NISSAN | | | |
|-----------|---------------|-------|-------------------------|
| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 700 000 | 12200-95005 | NE6T | 6 Cilindros 6 Cylinders |
| 701 000 | 12201-D8800 | B6.60 | Turbo |
| 702 000 | 12201-D8801 | B6.60 | |

| PERKINS | | | |
|-----------|---|-------------|---|
| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 035 000 | 31312419 31312436 31312441 84402 026005MI ZZ90084 | 3.152D3.152 | Punta chavetero Keyed nose Retén cuerda Rope seal Unicamente el cigüeñal Only the crankshaft |
| 036 000 | 31312707 31312701 94458 94464 026053M ZZ90078 U5BG0027 | 3.152D3.152 | Punta chavetero Keyed nose Retén Labio Lip seal Unicamente el cigüeñal Only the crankshaft |
| 059 000 | 31315148 31315138 31315145 31315167 85811 92485 92484 84407 026008MI ZZ90121 U5BG0017 | 4.203D4.203 | Punta chavetero Keyed nose Retén cuerda Rope seal Unicamente el cigüeñal Only the crankshaft |



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| 060 000 | 31315182 31315184 94454 94441 026032MI ZZ90111 3637458M91 | 4.203D4.203 | Punta chavetero Keyed nose Retén Labio Lip seal Unicamente el cigüeñal Only the crankshaft |
| 061 000 | | 4165 | 4 Cilindros 4 Cylinders Unicamente el cigüeñal Only the crankshaft |
| 062 000 | 31315911 31315912 84422 85721 ZZ90093 U5BG0054 | 4248 | Punta estriada Splined nose Retén cuerda Rope seal Unicamente el cigüeñal Only the crankshaft |
| 063 000 | 31315981 31315982 31315991 94435 94436 ZZ90082 | 4248 | Punta estriada Splined nose Retén Labio Lip seal Unicamente el cigüeñal Only the crankshaft |
| 064 000 | ZZ90081 | 4248 | Punta estriada Splined nose Retén Labio Lip seal 3 Agujeros para fijación de polea 3 Holes for pulled fitting Unicamente el cigüeñal Only the crankshaft |
| 065 000 | 3131H021 68076 U5BG0037 | 6.354-4 | Punta chavetero Keyed nose Retén Labio Lip seal 3 Agujeros para fijación de polea 3 Holes for pulled fitting Unicamente el cigüeñal Only the crankshaft |
| 066 000 | 3637408M91 31322361 31322316 31322317 31322363 31322364 68063 85727 ZZ90089 U5BG0045 | 6.354-2 | Punta estriada Splined nose Retén cuerda Rope seal Unicamente el cigüeñal Only the crankshaft |
| 067 000 | 31315881 31315884 31315601 31315663 31315851 84421 68050 ZZ90108 | 4236 | Punta estriada Splined nose Retén Labio Lip seal Unicamente el cigüeñal Only the crankshaft |
| 068 000 | 31323261 31323262 94468 94460 94443 ZZ90090 U5BG0048 3637424M91 | 6.354-2 | Punta estriada Splined nose Retén cuerda Rope seal Unicamente el cigüeñal Only the crankshaft |



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| 069 000 | 31315871 31315631 31315641 31315664 85821 94433 26042 U5BG0052 | 4236 | Punta estriada Splined nose Retén Labio Lip seal Únicamente el cigüeñal Only the crankshaft |
| 070 000 | 31315664 ZZ90083 | 4236 | Punta estriada Splined nose Retén cuerda Rope seal 3 Agujeros para fijación de polea 3 Holes for pulled fitting Únicamente el cigüeñal Only the crankshaft |
| 540 000 | ZZ90081 | SERIES 1004 | 4 Cilindros 4 Cylinders Punta chavetero Keyed nose Retén Labio Lip seal Únicamente el cigüeñal Only the crankshaft |
| 541 000 | ZZ90202 | SERIES 1004 | 4 Cilindros 4 Cylinders Punta chavetero Keyed nose Retén Labio Lip seal Únicamente el cigüeñal Only the crankshaft |
| 542 000 | ZZ90218 ZZ90085 | SERIES 1006 | 6 Cilindros 6 Cylinders Punta chavetero Keyed nose Retén Labio Lip seal Únicamente el cigüeñal Only the crankshaft |
| 543 000 | ZZ90219 ZZ90087 | SERIES 1006 | 6 Cilindros 6 Cylinders Punta chavetero Keyed nose Retén Labio Lip seal Únicamente el cigüeñal Only the crankshaft |
| 546 000 | 6SE92 | 4006TGA 4006TESI | 6 Cilindros 6 Cylinder |
| 547 000 | 8SE92B | 4008TGA 4008TESI | 8 Cilindros 8 Cylinder |
| 548 000 | 12SE92L | 4012TGA 4012TWG | 12V Cilindros 12V Cylinder |
| 549 000 | 3131H071 | 1106D | 6 Cilindros 6 Cylinder |
| 550 000 | T407271 T411539 | 1206 | 6 Cilindros 6 Cylinder |
| 570 000 | ZZ90239 ZZ90222 | 1104 | 4 cilindros 4 cylinders |

RENAULT

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|--|---------------|---|
| 336 000 | 5000 678 620 | MID. 063540 | PREMIUM 380, 6 Cilindros 6 Cylinders |
| 337 000 | 5000 139 212 | MID. 063540 | PREMIUM 310, 6 Cilindros 6 Cylinders |
| 338 000 | 5000 678 811 5000 666 283 | MID. 063540 | PREMIUM 340, 6 Cilindros 6 Cylinders |
| 551 000 | 5600 551 684 5010240455 5010359990 | MIDR 062356 | 6 Cilindros 6 Cylinders RVI PREMIUM 400" |
| 552 000 | 5010359661 5010550556 5600668549 | DCI 11L - 24v | Premium 420 - 470 |



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|---------|--|---------------------------------------|-------------------------|
| 553 000 | 5010 240 863 5600 551 689 | TRM1000 PREMIUM PR-TR KERAX FAB | 6 Cilindros 6 Cylinders |
| 554 000 | 7420585167 7421022486 7421671175 | DXI11 | 6 Cilindros 6 Cylinders |
| 555 000 | 7420486222 | DXI13 | 6 Cilindros 6 Cylinders |
| 556 000 | 20411189 | DXI12 | 6 Cilindros 6 Cylinders |
| 557 000 | 5600551686 5000249893 5600149211 5010258652 | 06026 | 6 |

SCANIA

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|--|-----------------|-------------------------|
| 254 000 | 1399252 | DC11 | 6 Cilindros 6 Cylinders |
| 256 003 | 1490686 574420 | DC9 | 5 Cilindros 5 Cylinders |
| 257 000 | 1423374 142156 1743584 574410 | DSC 12 DC 12 | 6 Cilindros 6 Cylinders |
| 258 003 | 342060 312739 1308467 | DS 11-12-13 | 6 Cilindros 6 Cylinders |
| 259 003 | 370 850 1340620 | DSC 14 | V-8 |
| 590 000 | 1775233 | DC9 - Euro V | |

VOLVO

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|--|---|--|
| 344 000 | 470 681-8 468 617 6888740 | TD 120 (>motor 186746) TD 121 TD 122 TD 123 F12 - N12 | 10 Agujeros en volante 10 Holes in flywheel 6 Cilindros 6 Cylinders |
| 345 000 | 478 676 812 5583 | TD 123 E (motor nº 186747>) F12 - N12 | 14 Agujeros en volante 14 Holes in flywheel 6 Cilindros 6 Cylinders |
| 346 000 | 8194456 8194304 (Old) 8126780 20381957 3808687 | TD 102 TD 103 | 14 Agujeros en volante 14 Holes in flywheel 6 Cilindros 6 Cylinders |
| 348 000 | 20411189 1547468 (Old) 8418524 20533089 | D12 D12-A D12-C D12-D | FH12 - 420 CV |
| 349 000 | 24424609 8192695 | TD73, B7 | 6 Cilindros 6 Cylinders 9 Taladros en volante 9 Holes on the flywheel |
| 350 000 | 477116 | TD71 | 6 Taladros volante 6 holes on the flywheel |
| 351 000 | 8148110 21022489 22635402 | D9 | 6 Cilindros 6 Cylinders |
| 352 000 | 20585167 21671175 85013753 | D11 | 6 Cilindros 6 Cylinders |



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| 353 000 | 21230583 85000536 20486221 20486222 22697519 | D13 | 6 Cilindros 6 Cylinders |
| 354 000 | 8131247 20758947 | D16 | 6 Cilindros 6 Cylinders |
| 361 000 | 1545 657-1 467 709 8194490 | TD 100 TD 101 TD 102 THD 100 THD 101 THD 102 F10 - N10 | 10 Agujeros en volante 10 Holes in flywheel 6 Cilindros 6 Cylinders |

YANMAR

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|----------------------------------|-----------|----------------------------------|
| 820 000 | 126443-21100 | 4HAL2 | SÓLO CIGÜEÑAL ONLY CRANKSHAFT |
| 821 000 | 766635-21701 766635-21701-A | 6HA | SÓLO CIGÜEÑAL ONLY CRANKSHAFT |
| 822 000 | 726625-21701 126660-21170 | 6HAL2 | SÓLO CIGÜEÑAL ONLY CRANKSHAFT |
| 823 000 | 128620-21302-A 128625-21300-A | 6GH | SÓLO CIGÜEÑAL ONLY CRANKSHAFT |
| 824 000 | 148640-21190 | 6AY | SÓLO CIGÜEÑAL ONLY CRANKSHAFT |
| 826 000 | 126613-21100 | 6HY - 6KY | SÓLO CIGÜEÑAL ONLY CRANKSHAFT |
| 825 000 | 74690-21282 | 12AY | SÓLO CIGÜEÑAL ONLY CRANKSHAFT |



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Bloques de Motor

| MAN | | | |
|------------|--------------------------------|-------------|---|
| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 40 010 001 | 51.01101.6802 | D25382848 | D2538 : Utilizar camisa n° 51.01201.0302 |
| 40 010 002 | 51.01102.6037 51.01100.6156 | D 2530 | |
| 40 010 003 | 51.01102.6056 | D 2542 2842 | D 2542: utilizar camisa n° 51.012.010.302 |

| MERCEDES BENZ | | | |
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| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 50 010 001 | 441 010 0208 | OM 401 OM 421 ALA OM 441 ALA | |
| 50 010 002 | 442 010 0308 | OM 402 OM 422 ALA OM 442 ALA | |
| 50 010 003 | 443 010 0008 | OM 403 OM 423 ALA OM 443 ALA | |
| 50 010 004 | 444 010 0108 | OM 404 A OM 424 ALA OM 444 ALA | |
| 50 010 005 | 457 010 1508 | OM 457 LAHLA | |
| 50 010 006 | 541 010 2305 | OM 501 LA | |



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Árbol de levas

| CUMMINS | | | |
|--------------|--|-------|---------------------------|
| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 64 302317700 | 3023177 | | CUMMINS SC-NT |
| 64 380104700 | 3801047 | | CUMMINS BC-NTC |
| 64 302697500 | 3026975 3049024 | NT855 | CUMMINSBCF-NTC |
| 64 20105000 | 201050 | | CUMMINS-V8 |
| 64 20106000 | 201060 | | CUMMINS-V6 |
| 64 301984200 | 3019842 | | CUMMINS VT8 |
| 64 301984000 | 3019840 | | CUMMINS VT6 |
| 64 327746200 | 3277462 | | CUMMINS-V8 |
| 64 327746300 | 3277463 | | CUMMINS-V6 |
| 64 380176300 | 3801763 | | CUMMINS BCIV |
| 64 304256800 | 3042568 | | CUMMINS BCFSS |
| 64 303752300 | 3037523 | | CUMMINS L-10 |
| 64 303611700 | 3036117 | | CUMMINS L-10 |
| 64 19918000 | 199180 | | CUMMINS V8-VT903 |
| 64 392558200 | 3925582-4B | | |
| 64 391463900 | 3914639-6B | | |
| 64 392447100 | 3924471-6C 3923478 3914640 | | |
| 64 380166800 | 3801668 3044767 | | |
| 64 360878600 | 3608786 | | CUMMINS BC-FLANGELESS C. |
| 64 380142600 | 3801426 | | CUMMINS BC-FLANGELESS CI. |
| 64 380144800 | 3036697 3801448 | | CUMMINS BC |
| 64 380174900 | 3801749 | | CUMMINS BC FLANGELESS CI. |
| 64 380085500 | 3800855 4025955 | | CUMMINS BC-FLANGELESS |
| 64 306687700 | 3066877 | | Cummins serie KT 19 6 CYL |
| 64 305895700 | 3058957 3608787 6087651 3803903 | | CUMMINS BC 3058957 |

| IVECO | | | |
|--------------|------------------------|----------------------|------------------------------|
| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 65 504004781 | 504004781 | F3BE0681 | CURSOR 13 |
| 65 504083996 | 504083996 | F2BE0681 | STRALIS EURO 4 CURSOR 8 |
| 65 504092815 | 504092815 | F3AE3681 | EURO 4 - 420 CV CURSOR 10 |
| 65 504092816 | 504092816 | F3BE3681 | 500 CV CURSOR 13 |
| 65 504154373 | 504154373 | F2BE0682 F2BE0642 | CNG BUS CURSOR 8 |
| 65 504221496 | 504221496 504004779 | F3AE0681 | CURSOR 10 |

| MAN | | | |
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| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 62 08240 | 51.04401.6296 | D 0824 LF0102 LFL010204-07 LOH010203 | R 4 108 |



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| 62 08260 | 51.04401.6266 | D 0826 LF01020506 0809 11-13217 LUH01-060810 1213213 TOH | R 6 108 |
| 62 08261 | 51.04401.6290 | D 0826 LF04151718 LOH1517-19 | R 6 108 |
| 62 08460 | 51.04401.0102 | D 0846 | R 6 108 |
| 62 21560 | 51.04401.0148 | D 2156 D 2356 | R 6 121 R 6 123saugaspiration- motorenginemoteur saugaspiration- motorenginemoteur |
| 62 21561 | 51.04401.0231 | D 2156 MT | R 6 121Turbo- Motorenginemoteur |
| 62 25300 | 51.04401.6134 51.04401.6082 | D 2530 | V 10 125Ventilstößel 51.04301.0079 verwenden use valve-tappet 51.04301.0079 avec poussoirs de soupape 51.043.010.079 saugaspiration- motorenginemoteur |
| 62 25650 | 51.04401.6148 | D 2565 | R 5 125saugaspiration- motorenginemoteur |
| 62 25660 | 51.04401.6125 | D 2556 D 2566 | R 6 125 R 6 125saugaspiration- motorenginemoteur saugaspiration- motorenginemoteur |
| 62 25661 | 51.04401.6235 | D 2566 MT | R 6 125 |
| 62 25662 | 51.04401.6240 | D 2566 UH D 2866 UH | R 6 125 R 6 128saugaspiration- motorenginemoteur verstärkte Ausführung für Nebenabtrieb reinforced version for auxiliary drive version renforcée pour entraînement des auxiliaires |



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| 62 25663 | 51.04401.6271 51.04401.6231 51.04401.6179 | D 2566 MTMK D 2866 LFTOHLOH MK | R 6 125 R 6 128Turbo- Motorenginemoteur Grundkreis Einlaß Auslaß 50 mm base-circle inlet outlet 50 mm cercle de base admi echa. 50 mm Hub 58,5 |
| 62 28660 | 51.04401.6277 | D 2866 LF0203 | R 6 128Turbo- Motorenginemoteur Grundkreis Einlaß Auslaß 52,5 mm50 mm base-circle inlet outlet 52,5 mm50 mm circuit de base admi echa. 52,5 mm50 mm PS 370 |
| 62 28661 | 51.04401 6282 | D 2866 LF06 | R 6 128Turbo- Motorenginemoteur Grundkreis Einlaß Auslaß 52,5 mm50 mm base-circle inlet outlet 52,5 mm50 mm cercle de base admi echa. 52,5 mm50 mm PS 420 |
| 62 28662 | 51.04401.6375 51.04401.6339 | D 2866 LF091022 Euro 0I | R 6 128PS 420 |
| 62 28663 | 51.04401.6342 51.04401.6376 | D 2866 LF051521 Euro 0I | R 6 128PS 370 |
| 62 28400 | 51.04401.6215 51.04401.6167 51.04401.6166 | D 2840 | V 10 128nichtnot forne pas LF01 Turbo- Motorenginemoteur |
| 62 28401 | 51.04401.6285 51.04401.6278 | D 2840 LF010406 | V 10 128ohne Nebenantrieb without auxiliary drive sans entrainement des auxiliaires |
| 62 28420 | 51.04401.6363 51.04401.6352 | D 2842 | V 12 128 |
| 62 28480 | 51.04401.6168 | D 2848 M | V 10 128saugaspiration- motorenginemoteur |
| 62 28481 | 51.04401.6186 | D 2848 MT | V 8 128Turbo- Motorenginemoteur |
| 62 28650 | 51.04401.6374 51.04401.6340 51.04401.6283 | D 2865 LFLUHLOH Euro I | R 5 128 |
| 62 28651 | 51.04401.6341 51.04401.6294 51.04401.6293 | D2865 LFLOHLUH | R 5 128 |
| 62 28652 | 51.04401.6372 | D 2865 LFLUHLOH Euro II | R 5 128mit Zahnrad, ohne Spritzversteller with gear, without advance units avec roue dentée, ne pas avance |



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| 62 28760 | 51.04401.6373 51.04401.6305 | D 2866 LF141620LOH23 D 2876 LF02, LUH0102 Euro II | R 6 128mit Zahnrad, ohne Spritzversteller with gear, without advance units avec roue dentée, ne pas avance PS 400460 |
| 62 28761 | 51.04401.5053 | D 2866 LF3031 D 2876 LFLOHLUH Euro III | R 6 1284 Ventile 4 valves 4 soupapes |
| 62 28762 | 51.04401.5055 51.04400.6006 | D 2866 LF 323741 D 2876 LF030407 | R 6 128Euro 23 4-Ventil Version |

MERCEDES BENZ

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|---------------|----------|---|
| 61 31400 | 314 050 1901 | OM 314 | R 4 97Motor-Engine-Moteur-No. ... 283 201 |
| 61 31401 | 314 050 1801 | OM 314 | R 4 97Motor-Engine-Moteur-No. 283 202 ... |
| 61 35200 | 352 050 4401 | OM 352 | R 6 97Motor-Engine-Moteur-No. ... 470 359 Zahnrad aufgeschrumpft gear shrinked on roue dentée frettée |
| 61 35201 | 352 050 4901 | OM 352 | R 6 97Motor-Engine-Moteur-No. 470 360 ... Zahnrad angeschraubt gear screwed down roue dentée vissée |
| 61 35202 | 352 050 5001 | OM 352 A | R 6 97Motor-Engine-Moteur-No. 470 360 ... Zahnrad angeschraubt gear screwed down roue dentée vissée nicht für BM 353.974-76, 353.957 |
| 61 35203 | 352 050 4501 | OM 352 A | R 6 97Motor-Engine-Moteur-No. ... 470 359 Zahnrad aufgeschrumpft gear shrinked on roue dentée frettée nicht für BM 353.974-76, 353.957 |
| 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 |



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| 61 36401 | 364 050 0601 364 050 0401 | OM 364 ALA | 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 ALA | R 6 97,5 auch für also foraussi pour BM 353.974-76 |
| 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 ALA Euro I | V 6 125 V 6 128 BM 980,986,998 |
| 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 ALA Euro I | V 8 125 V 8 128 BM 442.977,978,995-998 BM 440.940-942,945,970, 971,972,973,978,979 |
| 61 40300 | 403 050 4001 | OM 403 | V 10 125 |
| 61 40701 | 447 050 1201 | BM 447.903,947,954-959,980-987,99 5 | R 6 OM 447 HAHLA |
| 61 44700 | 447 050 0201 427 050 0901 427 050 0501 407 050 1401 | OM 407 HA OM 427 h OM 447 ALAhA | R 6 125 R 6 128 R 6 128 nichtnotne pas BM 951,955 BM 900,901,905,910,911 BM 900,901,905-908,910,912 nichtnotne pas BM 901-204 |
| 61 42100 | 421 050 1401 | OM 421 OM 441 | V 6 128 V 6 130 BM 421.900,905-910 nur Saugmotor natural aspirated seulement moteur aspiration BM 900,905-919,923,925 Motor-Engine-Moteur-No. ... 519 685 |



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| 61 42101 | 421 050 1501 | OM 421 ALA | V 6 128BM 421.901,951 Turbo-Motor-Engine-Moteur |
| 61 42200 | 422 050 2101 422 050 0301 | OM 422 OM 442 | V 8 128 V 8 130BM 900-935 |
| 61 42201 | 422 050 2201 | OM 422 ALA OM 442 ALA | V 8 128 V 8 128 BM 901,941-946,950-959, 960-968,972976980 982983985989,992-994 |
| 61 42300 | 423 050 1301 | OM 423 OM 443 | V 10 128 V 10 130BM 423.900,905-909 nur Saugmotor natural aspirated seulement moteur aspiration BM 900,905 |
| 61 42301 | 423 050 1401 | OM 423 ALA | V 10 128BM 423.901,950 Turbo-Motor-Engine-Moteur |
| 61 44100 | 441 050 0601 | OM 441 | V 6 130BM 900,905-919,923925 Motor-Engine-Moteur-No. 519 686 ... |
| 61 44101 | 441 050 0001 | OM 441 ALA (EURO I) | V 6 128BM 441.950-962,981-985, 901-400,901-500 |
| 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 128BM 442.901-507,508 BM 446.920,922,924-931,935, 936,938,939-943,945,946,948 |
| 61 44400 | 444 050 0001 424 050 1101 | OM 444 ALA | V 12 128allealltous BM |
| 61 44701 | 427 050 1001 | OM 447 AhLAHLA | R 6 128BM 447.902, 950-953 |
| 61 44702 | 447 050 1901 | OM 447 HLA Euro II | R 6 128 |
| 61 44900 | 449 050 0601 | OM 449 LA | R 5 128BM 489.960,961 |
| 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 |



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| 61 60100 | 601 050 0801 | OM 601 A | R 4 8789BM 601.911,912 190200 D BM 601.940,941,942,943 208308408508 D Sprinter BM 601.970 V 230Vito 110 D |
| 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 906 050 2001 | OM 906 LA | R 6 102 |
| 61 45700 | 457 050 1301 457 050 1501 457 050 3501 | OM457 | R6 |
| 61 45701 | 457 050 3401 | OM457 | R6 |
| 61 46000 | 460 050 0401 460 050 0601 457 050 3601 | OM460 | R6 |
| 61 54100 | 5410502101 | OM541 | V6 |

VOLVO

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|-----------|--|--|--|
| 63 16200 | 1543704-9 | TD 162163 D 16 A | R 6 144 |
| 63 12000 | 479620-7 478750 468723-2 8193727 | TD 120 CDEF FAFBFC GGA TD 121 TD 122 | R 6 130,18 |
| 63 12001 | 845800-2 468022-9 | TD 120 AAG | R 6 130,18 |
| 63 10100 | 479610-8 479450 1545071-1 8194480 | TD 101102 TD 100 GGA THD 100 EEBEA ECEDEEEKKC THD 101102 D 10 A | R 6 120,64 |
| 63 10000 | 467853-8 422363-2 | TD 100 AC THD 100 DDADBDC THD 100 DD | R 6 120,64 |
| 63 12120 | 8148524 | D 12 AB | R 6 131FH 12 340380420 PSHPCV Motor-No. ...93097 |



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Culatas

| MAN | | | |
|-----------|--------------------------------|---|--|
| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 86 08261 | 51.03101.6725 | D 0824 D 0826 LF17 LFL03LOH15 LUH1213 D 0834 LFL03 D 0836 LFL01 | R 46 108ohne Ventile without valves sans soupapes sin válvulas Euro 2 |
| 86 08262 | 51.03101.6682 | LF01LFL01LFO01 D 0826 LF040708 LUH01-030506 LOH0607LFL06 | R 46 108ohne Ventile without valves sans soupapes sin válvulas Euro 1 |
| 86 08460 | 51.03101.6570 | D 0846 | R 6 108ohne Ventile without valves sans soupapes sin válvulas |
| 86 25300 | 51.03101.6550 51.03101.6508 | D 2530 M D 2538 M D 2555 M D 2556 M D 2565 M D 2566 M D 2840 MFMFRMH D 2842 M D 2848 M | R 56 V 8-12 125128ohne Ventile without valves sans soupapes sin válvulas |
| 86 25301 | 51.03101.6510 | D 2530 MT D 2532 MT D 2538 MT D 2565 MT D 2566 MT | R 56 V 8-12 125ohne Ventile without valves sans soupapes sin válvulas |
| 86 25660 | 51.03101.6585 | D 2566 UHBUH D 2840 LF460 D 2842 LF D 2848 D 2865 LFLFRLXF LXFRLUH020305 D 2866 LH0102LOH LUHLXUHLFZ LFZRLULLXU LU010304 KKUHKF KHKFZKOH KUKUL | R 56 V 8-12 125128ohne Ventile without valves sans soupapes sin válvulas |
| | | TOHTUHTUM FZFFR UHUMU MO01 LXF LF040708 | |



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| 86 28660 | 51.03101.6661 51.03101.6738 51.03101.6773 | D 2866 LF0305 0609101521 22LOH060720 2122LU010305LH02 | R 6 128ohne Ventile without valves sans soupapes sin válvulas Euro 1 |
| 86 28661 | 51.03101.6739 51.03101.6772 51.03101.6774 | D 2866 LF16203435LOH2326LUH212226 D 2876 LF02LOH0102 0305LUH 0102 D 2840 LF20212324 | R 6 V 10 128ohne Ventile without valves sans soupapes sin válvulas Euro 2 |
| 86 28663 | 51.03100.6053 51.03100.6802 51.03100.6807 51.03101.6824 | D 2866 LF23-28 3132394041 D 2876 LF03-111417 LOH020305 | R 6 128ohne Ventile without valves sans soupapes sin válvulas 4-Ventil Version 4 valves version seulement pour version 4 soupapes Versión de 4 válvulas |
| 86 28760 | 51.03100.6181 51.03100.6050 | D 2876 LF121325 LOH2021 | R 6 128ohne Ventile without valves sans soupapes sin válvulas 4-Ventil Version 4 valves version Version 4 soupapes Versión de 4 válvulas |

MERCEDES BENZ

| Ref. Sanz | Ref. Original | Motor | Observaciones |
|------------|------------------------------|------------------|--|
| 85 3525220 | 352 010 5020 352 010 5220 | OM 352353 | R 6 97ohne Ventile without valves sans soupapes sin válvulas |
| 85 3522021 | 352 010 0221 352 010 2021 | OM 352353 | R 6 97mit Ventilen with valves avec soupapes con válvulas |
| 85 3522221 | 352 010 2221 | OM 352 A | R 6 97mit Ventilen with valves avec soupapes con válvulas |
| 85 3550220 | 355 010 0220 355 010 0820 | OM 346 OM 355 | R 56 128ohne Ventile without valves sans soupapes sin válvulas |



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| 85 3550620 | 355 010 0620 | OM 355 A | R 56 128ohne Ventile without valves sans soupapes sin válvulas |
| 85 3661620 | 366 010 1620 366 010 1720 | OM 366 | R 6 97,5mit Ventilen with valves avec soupapes con válvulas IN 30° EX 45° |
| 85 3666820 | 366 010 2920 366 010 6820 | OM 366 ALA | R 6 97,5mit Ventilen with valves avec soupapes con válvulas |
| 85 4020320 | 402 010 0320 | OM 401 LA OM 402 LA | V 68 125ohne Ventile without valves sans soupapes sin válvulas |
| 85 4034020 | 427 010 1020 403 010 4020 | OM 401-404 ALA OM 407-409 AhLA OM 421-424 ALA OM 427-429 AhLA OM 441-444 ALA | R 56 V 6-12 125128130ohne Ventile without valves sans soupapes sin válvulas |
| 85 4421320 | 442 010 1320 | OM 442 ALA OM 444 LA | V 812 128ohne Ventile without valves sans soupapes sin válvulas Sondermaterial special material matériau spécial material especial |
| 85 4420620 | 442 010 0620 | OM 441 ALA OM 442 ALA OM 447 hLA | R 6 128ohne Ventile without valves sans soupapes sin válvulas für Konstantdrossel for air brake valve pour soupape de décompression para freno motor OM 447 hLA: nur only seulement sólo BM 990-993, 903-707 |
| 85 4420720 | 442 010 0720 | OM 401-404 ALA OM 407-409 AhLA OM 421-424 ALA OM 427-429 AhLA OM 441-444 ALA | R 56 V 6-12 125128130ohne Ventile without valves sans soupapes sin válvulas |



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| 85 4472020 | 447 010 1320 447 010 2020 | OM 447 HLA | R 6 128ohne Ventile without valves sans soupapes sin válvulas Euro 2 |
| 85 4574620 | 457 010 4620 457 010 9620 457 010 4020 | OM 457 LAHLA | R 6 128mit Ventilen with valves avec soupapes con válvulas mit Konstandrossel with air brake valve avec soupape de décompression con freno motor |
| 85 5416420 | 5410106420 | OM 501 LA OM 502 LA | V 68 130ohne Ventile without valves sans soupapes sin válvulas für Konstandrossel for air brake valve pour soupape de décompression para freno motor Schutzhülse Injector sleeve puits d'injecteur casquillo de protección Ø 9,6 mm |
| 85 5416420 | | OM 501 LA OM 502 LA | V 68 130ohne Ventile without valves sans soupapes sin válvulas für Konstandrossel for air brake valve pour soupape de décompression para freno motor Schutzhülse Injector sleeve puits d'injecteur casquillo de protección Ø 7,6 mm |



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Anillos

| MAN | | | |
|------------|---------------|------------------|--------------------------|
| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 70 1300013 | 51021300013 | D 25.. D 28.. | R 56 V 8-12 125128 |

| MERCEDES BENZ | | | |
|---------------|------------------------------|--|---|
| Ref. Sanz | Ref. Original | Motor | Observaciones |
| 70 4030309 | 403 032 0309 | OM 401-404 ALA OM 407-409 AhLA OM 421-424 ALA OM 427-429 AhLA OM 441-444 ALA OM 447-449 AhLA OM 457 LAHLA OM 501-502 LA | R 56 V 6-12 125128130 volante Flywheel |
| 70 4420027 | 442.031.0027 403.031.0727 | OM 401-404 ALA OM 407-409 AhLA OM 421-424 ALA OM 427-429 AhLA OM 441-444 ALA OM 447-449 AhLA OM 457 LAHLA OM 501-502 LA | R 56 V 6-12 125128130Delantero Front |