



CRANKSHAFT SEALS

The crankshaft seal is the primary barrier that keeps oil from leaking from the rear or front end of the crankshaft. Over time, crankshaft seals can dry out, break, or wear a groove into the crankshaft, allowing oil to leak.

Some CTP crankshaft seals come with a steel wear sleeve which creates a new surface for the seal. These seals/sleeves combination is pressed on the crankshaft at the same time, specialty tools are required for the installation. Many new seals are PTFE (polytetrafluoroethylene) type. PTFE seals provide low friction sealing with minimal oil lubrication requirement.

PTFE Installation tips:

- To protect the seal from dust and other contamination, only remove the seal from the protective packaging at the time of installation.
- The sealing lip of a PTFE oil seal is protected by a plastic sleeve, which sometimes can be used as an assembly aid. The sleeve protective sleeve must remain in place until the seal has been installed.
- Both the PTFE sealing lip and the shaft surface must be completely dry. Do not use any grease or oil.
- The shaft surface must be in a perfect condition in order to have a good running seal surface. Do not start the engine sooner than a couple of hours after installation, this allows the new sealing lip to adapt properly to the shaft.

Caution: If the sealing surface has a wear groove, the seal lip of the new seal should not run in the same position as the old seal.

| Part No | Description | Engine | Application |
|---------|------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1005421 | SEAL GP-CRANKSHAFT (REAR) | 3176, 3176B, 3176C, 3196, C-10, C-12, C-15, C-16, C11, C13, C15, C18 | 14M, 16M, 3176, 3176B, 3176C, 3196, 345D L, 349D, 349D L, 349E, 349E L, 572R II, 980K, 980K HLG, 980M, 982M, CPT372, CX31-C13I, CX31-C15I, CX31-C18I, CX35-C |
| 1138432 | SEAL GP-CRANKSHAFT (CLOCKWISE ROTATION) | 3508, 3508B, 3508C, 3512, 3512B, 3512C, 3516, 3516B, 3516C | 5130, 5130B, 5230, 5230B, 776C, 776D, 777, 777B, 777C, 777D, 784B, 784C, 785, 785B, 785C, 785D, 789, 789B, 789C, 789D, 793B, 793C, 793D, 797 |
| 1138433 | SEAL GP-CRANKSHAFT (COUNTERCLOCKWISE ROTATION) | 3508, 3508B, 3508C, 3512, 3512B, 3512C, 3516, 3516B, 3516C | 5130, 5130B, 5230, 5230B, 776C, 776D, 777, 777B, 777C, 777D, 784B, 784C, 785, 785B, 785C, 785D, 789, 789B, 789C, 789D, 793B, 793C, 793D, 797 |

* Other part no. not included in the list are available. Please contact your sales representative if you have any questions. Part Numbers are used for reference purposes only. Komatsu® is the registered trademark of Komatsu Ltd.

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| Part No | Description | Engine | Application |
|---------|-------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1175015 | SEAL AS-OIL (REAR) | 3044C | 236B, 236B3, 242B3, 246C, 252B, 252B3, 256C, 257B3, 259B3, 262C, 262C2, 267B, 268B, 272C, 277C, 277C2, 279C, 279C2, 287C, 287C2, 289C, 289C2, 297C, 299C, 303.5C, 303.5D, 303C CR, 304C CR, 304D |
| 1260110 | SEAL GP (REAR) | 3176B, 3176C, 3196, C-10, C-12 | 345B, 345B II, 345B II MH, 345B L, 365B, 365B L, 480, 65E, 75C, 75D, 75E, 85C, 85D, 85E, 95E, D7R II, R1600, R1600G, R1700G, W345B II |
| 1425867 | SEAL CRANKSHAFT (FRONT) | 3406, 3406B, 3406C, 3406E, 3408, 3408B, 3408C, 3408E, 3412, 3412C, 3412D, 3412E, 3456 | 16G, 16H NA, 24H, 24M, 365C, 365C L, 365C L MH, 374D L, 374F L, 375, 375 L, 385B, 385C, 385C FS, 385C L, 385C L M |
| 1425868 | SEAL CRANKSHAFT (REAR) | 3406, 3406B, 3406C, 3406E, 3408, 3408B, 3408C, 3408E, 3412, 3412C, 3412D, 3412E, 3456 | 16G, 16H NA, 24H, 24M, 375, 375 L, 5080, 5110B, 578, 583R, 583T, 587R, 587T, 589, 621B, 621E, 621F, 621G, 621H |
| 1438839 | SEAL (REAR) | 3054B | 924G, 924GZ |
| 1441264 | SEAL GP-CRANKSHAFT (FRONT) (CLOCKWISE ROTATION) | C-12, C13 | 572R II, D7R II |
| 1526556 | SEAL GP-CRANKSHAFT (REAR) | 3034 | 216, 228, 236, 247, 248, 267, 287, 906 |
| 1526739 | SEAL (FRONT) | 3024C, 3034 | 216, 228, 236, 247, 248, 267, 287, 906 |
| 1537978 | SEAL CRANKSHAFT (FRONT) | 3003, 3011C, 3013C, 3014, C0.5, C0.7, C1.1, C1.5, C1.6, C2.2 | 3003, 301.5, CB-14, CB-22, CB-34 |
| 1694166 | SEAL GP-CRANKSHAFT (FRONT) | 3176C, 3196 | 140H, 143H, 14H, 14M, 160H, 163H, 16M, 345B, 345B II, 345C, 345C L, 345C MH, 345D, 345D L, 345D L VG, 349D, 349D L, 349E, 349E L, 349E L HVG, 349E L VG, 480, 621H, 621K, 623H, 623K, 623K |
| 2099218 | SEAL AS (REAR) | 3054, 3054B, 3056, 3056E | 312B L, 312C, 315B L, 317, 416C, 416D, 420D, 424D, 426C, 428C, 428D, 430D, 432D, 436C, 438C, 438D, 442D, 550B, 554, 560B, 564, 574B, 908, 914G, 924G, 924GZ, 930G, AP-655C |
| 2223909 | SEAL GP-CRANKSHAFT | 3116, 3126B | 322C, 324D, 325 L, 325B L, 325C, 325D, 325D L, 326D L, 329D, 329D L, 45, 55, 950F, 953B, 953C, 963B, CS-531D, CS-533D, CS-563C, CS-563D, CS-573C, CS-573D, CS-583C, CS-583D, M318, M320 |
| 2223910 | SEAL GP-CRANKSHAFT (REAR) (CLOCKWISE ROTATION) | 3126, 3126B | 120H, 120H ES, 120H NA, 120K, 120K 2, 12K, 135H, 135H NA, 140G, 140K, 140K 2, 160K, 322C, 322C FM, 525B, 525C, 533, 535B, 535C, 543, 545C, 561M, 561N, 613C II, 815B, 924F, 928G, 938F, 938 |
| 2264755 | SEAL GP-CRANKSHAFT (FRONT) | 3176C, 3196 | 140H, 143H, 14H, 14M, 160H, 163H, 16H, 16M, 345B, 345B II, 345B II MH, 345B L, 345C, 345C L, 345C MH, 345D, 345D L, 345D L VG, 349D, 349D L, 349E, 349E L, 349E L HVG, 349E L VG, 349F L |
| 2327449 | HOUSING-(REAR) (INCLUDES SEAL) | 3054C, 3054E | 312D2, 312D2 GC, 312D2 L, 312E, 312E L, 313D2, 313D2 LGP, 314E CR, 314E LCR, 315C, 316E L, 318D2 L, 318E L, 320D2, 320D2 GC, 320D2 L, 323D2 L, 414E, 416D, 416E, 416F, 420D, 420E, 420F |
| 2457339 | SEAL-CRANKSHAFT (FRONT) | 3114, 3116, 3126, 3126B, 3126E | 120H, 120H ES, 120H NA, 120K, 120K 2, 12H, 12K, 12M, 135H, 135H NA, 140G, 140K, 140K 2, 140M, 140M 2, 160K, 160M, 160M 2, 2290, 2390, 2391, 2491, 2590, 320B, 322B L |
| 2770116 | SEAL-CRANKSHAFT (REAR) | C6.6, C7.1 | 120M, 120M 2, 12M, 613G, 938H, 950K, 962K, 963D, D5R LGP, D6K LGP, D6N, D6N LGP, D6N OEM, IT38H, R1300G II |
| 2854073 | SEAL GP-CRANKSHAFT (REAR) | C9 | 12H, 2290, 2390, 2391, 2491, 2590, 2864C, 330C, 330C FM, 330C L, 330C MH, 330D, 330D FM, 330D L, 330D LN, 330D MH, 336D, 336D L, 336D LN, 336D2, 336D2 L, 336E, 336E HVG, 336E L, 336E LH, 336E LN, 336F |
| 2854074 | SEAL GP-CRANKSHAFT (REAR) | C-9, C9 | 12H, 12M 2, 12M 3, 12M 3 AWD, 140M, 140M 2, 140M 3, 140M 3 AWD, 160M, 160M 2, 160M 3, 160M 3 AWD, 336E, 336E H, 336E L, 336E LH, 336F L, 627G, 627H, 627K, 627K LRC, 637D, 637E, 637G, 725C |
| 2880422 | SEAL-OIL (FRONT) | 3054, 3054B, 3054C, 3054E, 3056, 3056E | 307, 312, 312B L, 312C, 312D2, 312D2 GC, 312D2 L, 313D2, 313D2 LGP, 315, 315B L, 315C, 317, 318D2 L, 414E, 416B, 416C, 416D, 416E, 416F, 420D, 420E, 420F, 422E |
| 2920886 | HOUSING-(REAR) (INCLUDES SEAL) | C6.6, C7.1 | 120M, 120M 2, 12M, 2384C, 2470C, 2484C, 2670C, 320D GC, 320D L, 320E, 320E L, 320E LN, 320E LRR, 320E RR, 323D L, 323E L, 324E, 324E L, 324E LN, 329E, 329E L, 329E LN, 525D, 535D, 545D, 553C, 555D |

* Other part no. not included in the list are available. Please contact your sales representative if you have any questions. Part Numbers are used for reference purposes only. Komatsu® is the registered trademark of Komatsu Ltd.

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| Part No | Description | Engine | Application |
|---------|-------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3190785 | SEAL GP-CRANKSHAFT (REAR) | 3406, 3406B, 3406C, 3406E, 3408, 3408B, 3408C, 3408E, 3412, 3412C, 3412D, 3412E, 3456 | 16G, 16H NA, 24H, 24M, 375, 375 L, 5080, 5110B, 578, 583R, 583T, 587R, 587T, 589, 621B, 621E, 621F, 621G, 623E |
| 3197401 | SEAL GP-CRANKSHAFT (FRONT) | 3406, 3406B, 3406C, 3406E, 3408, 3408B, 3408C, 3408E, 3412, 3412C, 3412D, 3412E, 3456 | 16G, 16H NA, 24H, 24M, 365C, 365C L, 365C L MH, 374D L, 374F L, 375, 375 L, 385B, 385C, 385C FS, 385C L, 385C L M |
| 3244223 | SEAL (FRONT) | 3064, 3066 | 318C, 319C, 320C, 320C FM, 320C L, 320D, 320D FM, 320D FM RR, 320D GC, 320D L, 320D LN, 320D LRR, 320D RR, 321C, 321D LCR, 323D L, 323D LN, 323D SA |
| 3628853 | SEAL GP-CRANKSHAFT (FRONT) (CLOCKWISE ROTATION) | 1673C, 3304, 3304B, 3306, 3306B, 3306C | 120G, 12G, 12H, 12H ES, 12H NA, 130G, 140G, 140H, 140H ES, 140H NA, 143H, 14G, 14H NA, 160G, 160H, 160H ES, 160H NA, 163H NA, 1673C, 235B, 330, 330B L, 350, 515, 517 |
| 4361478 | SEAL-CRANKSHAFT (CLOCKWISE ROTATION) | 3508C, 3512, 3516C, 793D, G3516, G3516H | 793D |
| 4361479 | SEAL-CRANKSHAFT (COUNTER-CLOCKWISE ROTATION) | 3508C, 3512, 3516C, 793D, G3516, G3516H | 3508C, 3512, 3516C, 793D, G3516, G3516H |
| 5285683 | SEAL GP-CRANKSHAFT (FRONT) | C9 | MACHINE |
| 1W4506 | ADAPTER-SEAL (FRONT) | 1673C, 3304, 3304B, 3306, 3306B, 3306C | 12H, 12H ES, 12H NA, 140G, 140H, 140H ES, 140H NA, 143H, 160H, 160H ES, 160H NA, 163H NA, 611, 615C, 65C, 966F II, CB-534, D250B, D250E, D250E II, D25C, D300B |
| 2P6224 | CRANKSHAFT SEAL GROUP (FRONT & REAR) | 1673C | 120G, 12G, 12H, 12H ES, 12H NA, 130G, 140G, 140H, 140H ES, 140H NA, 143H, 14G, 14H NA, 160H, 160H ES, 160H NA, 163H NA, 215, 215B, 215C, 215D, 219D, 225, 225D, 229, 229D, 235, 235B, 235C, 235D |
| 2P6226 | CRANKSHAFT SEAL GROUP (FRONT & REAR) | 3306C | 120G, 12G, 130G, 140G, 14G, 160G, 235B, 3306C, 515, 518, 518C, 525, 528, 528B, 530B, 545, 571G, 572G, 572R, 611, 615, 615C, 627B, 627E, 627F, 627G, 637D, 637E, 637G, 639D, D4D, D4E, D4E SR, D5B, D5E |
| 2S1509 | SEAL GP-CRANKSHAFT (FRONT) | 1674, 1676, 1693, D336, D342, D342C, D343, G343 | 621, 631C, 657, 769, 824B, D8H, D8K |
| 4R8831 | SEAL GP-CRANKSHAFT (FRONT) | 3116, 3126, 3126B, 3126E, C7, C9 | 30/30 |
| 4R9999 | EXCLUDER-CRANKSHAFT SEAL (FRONT) | 3116, 3126 | 120H, 120H ES, 120H NA, 12H, 12M 2, 12M 3, 12M 3 AWD, 135H, 135H NA, 140G, 140M, 140M 2, 140M 3, 140M 3 AWD, 160M, 160M 2, 160M 3, 160M 3 AWD, 2290, 2390, 2391, 2491, 2590, 2864C, 30/30 |
| 4W0452 | SEAL GP-CRANKSHAFT (REAR) (COUNTERCLOCKWISE ROTATION) | 1673C, 3176C, 3196, 3304, 3304B, 3306, 3306B, 3306C | 120G, 12G, 12H, 12H ES, 12H NA, 130G, 140G, 140H, 140H ES, 140H NA, 143H, 14G, 14H NA, 160H, 160H ES, 160H NA, 163H NA, 1673C, 235, 235B, 330, 330 L, 330B |
| 4W2606 | SEAL GP-CRANKSHAFT (FRONT) | D379B, D398, D398A, D398B, D399, G398 | |
| 4W2607 | SEAL GP-CRANKSHAFT (REAR) | D379B, D398, D398A, D398B, D399, G398 | |
| 4W5360 | SEAL-CRANKSHAFT (REAR) | 3054, 3054B, 3056 | 206, 212, 214, 224, 307, 312, 312B L, 312C, 315, 315B L, 317, 416, 416B, 416C, 416D, 420D, 424D, 426, 426B, 426C, 428, 428B, 428C, 428D, 430D, 432D, 436C, 438B, 438C, 438D, 442D |
| 4W8133 | SEAL GP (BRAKESAVER) (REAR) | 3406B, 3406C, 3406E, 3408, C-15, C-16, C15 | |
| 4W8134 | SEAL GP (BRAKESAVER) (REAR) | 3406B, 3406C, 3406E, 3408, C-15, C-16, C15 | |
| 5I7656 | SEAL (FRONT) | 3064, 3066 | 311, 311B, 311C, 311D LRR, 312, 312B, 312C, 312C L, 312D, 312D L, 313D, 314C, 314D CR, 314D LCR, 315D L, 318D L, 319D, 319D L, 319D LN, 320, 320 L, 320B, 320B FM LL, 320C, 320N |
| 5I7660 | SEAL AS (REAR) | 3064, 3066 | 311, 311B, 311C, 311D LRR, 312B, 312C, 312C L, 312D, 312D L, 313D, 314C, 314D CR, 314D LCR, 315D L, 318C, 318D L, 319C, 319D, 319D L, 319D LN, 320 L, 320B, 320B L, 320C, 320C FM, 320C L, 320D, 320D FM |

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| Part No | Description | Engine | Application |
|---------|----------------------------------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5S3903 | SEAL GP-CRANKSHAFT (REAR) | 1674, 1676, 1693, D336, D342, D342C, D343, G343 | 621, 631C, 657, 769, 824B, D8H, D8K |
| 5S6297 | SEAL ASSEM. (REAR) | 1673C, 3304, 3306 | 14E, 518, 561C, 627, 941, 955L, 966C, 977K, 980B, D4D, D5 |
| 7C1728 | SEAL-CRANKSHAFT (REAR) | 3176, 3176B, 3176C, 3196 | 140H, 143H, 14H, 160H, 163H, 16H, 345B, 345B II, 345B II MH, 345B L, 345C, 345C L, 345C MH, 345D, 345D L, 345D L VG, 349D, 349D L, 349E, 349E L, 349E L HVG, 349E L VG, 349F L |
| 7C4297 | SEAL GP-CRANKSHAFT (REAR) | 3306C | 140G, 160G, 235B, 515, 518C, 525, 528B, 530B, 545, 572G, 572R, 611, 615C, 627B, 627E, 627F, 627G, 637E, 637G, D4E SR, D5E, D6D, D6E, D6E SR, D6G, D6G SR, D6G2 LGP, D6G2 XL, D6H, D6R, D6R II, D7 |
| 7C6660 | SEAL GP-CRANKSHAFT (FRONT) | 3208 | 613C, PR-1000, PS-500 |
| 7C7473 | SEAL GP-CRANKSHAFT (FRONT) | D346, D348, D349 | 641B, 772, 777, 992, D10 |
| 7C7474 | SEAL GP-CRANKSHAFT | 24H | 24H |
| 7H6747 | SEAL GP-CRANKSHAFT (REAR) .025 | D342, D342C | 583H D8H |
| 7W3200 | SEAL GP-CRANKSHAFT (REAR) | 3204, 3208 | 613C, 931B, 943, 953, PR-1000, PS-500 |
| 7W3202 | SEAL GP-CRANKSHAFT (REAR) | 1140, 1145, 1150, 1160, 3160, 3204 | 215, 910, 916, 926, 931B, 943, 953, D3, D4HTSK II |
| 9H1129 | SEAL GP-CRANKSHAFT (REAR) | 1673, 1673B, 3306 | 924G, 924GZ, 924H, 924HZ, 924K, 928F, 928G, 928H, 928HZ, 930G, 930K, 955H, 955K, 977H, D320A, D330A, D4D, IT28F, IT28G |
| 9L7735 | SEAL-LIP TYPE (FRONT) | 1140, 1145, 1150, 1160, 3160, 3204 | 215, 910, 916, 926, 931B, 943, 953, D3, D4HTSK II |
| 9N3775 | SEAL GP-CRANKSHAFT (REAR) | 1693, D343, G343 | |
| 9Y9895 | SEAL GP-CRANKSHAFT (FRONT) (CLOCKWISE ROTATION) | 1673C, 3304, 3304B, 3306, 3306B, 3306C | 120G, 12G, 12H, 12H ES, 12H NA, 130G, 140B, 140G, 140H, 140H ES, 140H NA, 143H, 14G, 14H NA, 160H, 160H ES, 160H NA, 163H NA, 235, 235B, 330, 330 L, 330B, 330B |

CRANKSHAFT SEALS FOR KOMATSU®

| Part No. | Description | Engine | Application |
|--------------|-----------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 6150-21-3230 | SEAL (FRONT) KOMATSU® | SAA6D125E | 6D125 |
| 6151-21-4161 | SEAL (REAR) KOMATSU® | S6D140, S6D140E, SA6D125E, SA6D140, SA6D140E, SAA6D125E, SAA6D140E | PC400, PC450, PC490 |
| 6736-21-4221 | SEAL (REAR) KOMATSU® | S6D102E, SA6D114E, SAA4D107E, SAA6D102E, SAA6D107E, SAA6D114E | PC200, PC200LL, PC220, PC220LL, PC240, PC270, PC290, PC300, PC300HD, PC300LL, PC350, PC350HD, PC350LL, WA250, WA320, WA380, WA430 |



CTP Crankshaft Seals are packed with a special anti-rust paper that extends the shelf life of the seal.

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