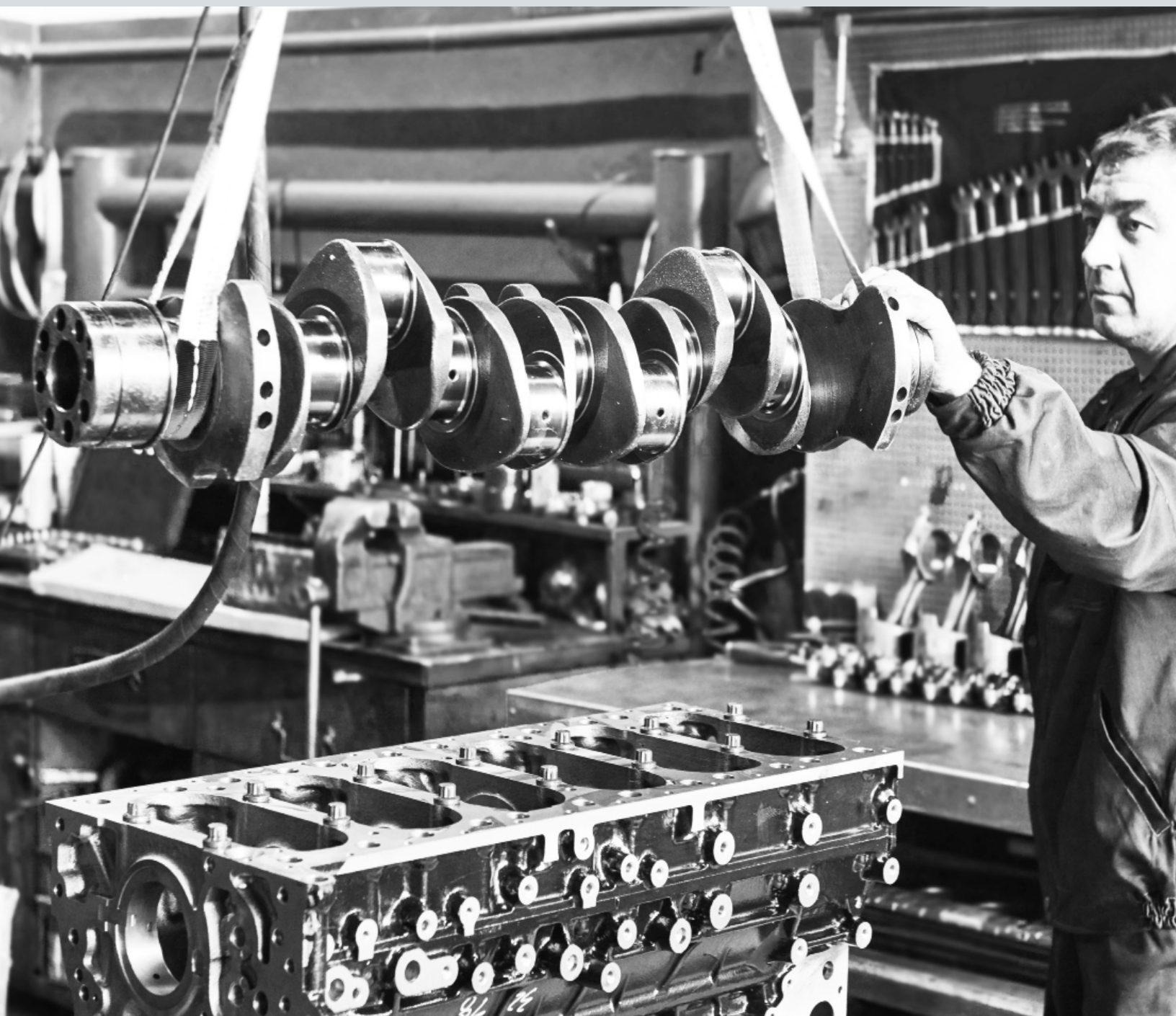
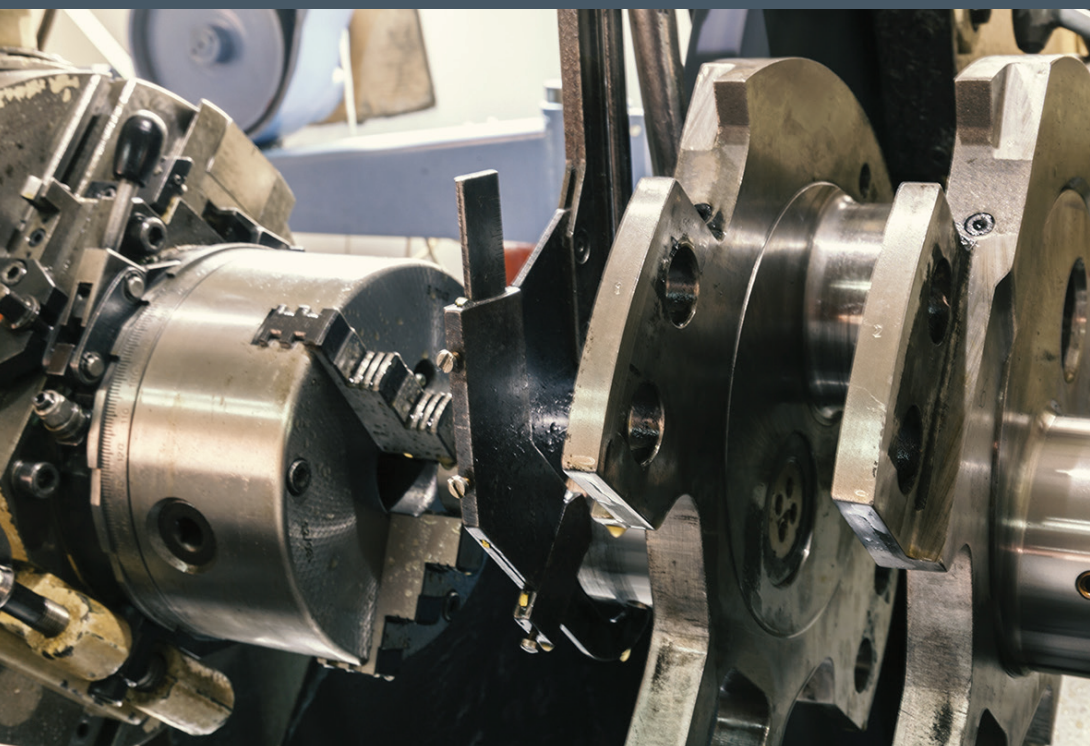




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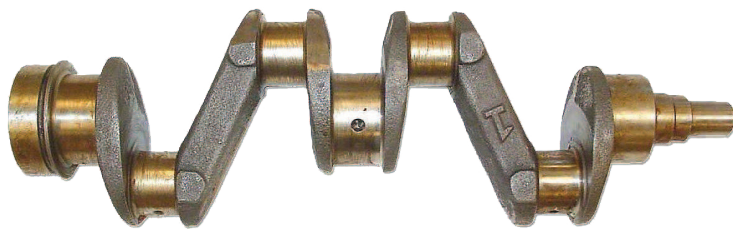
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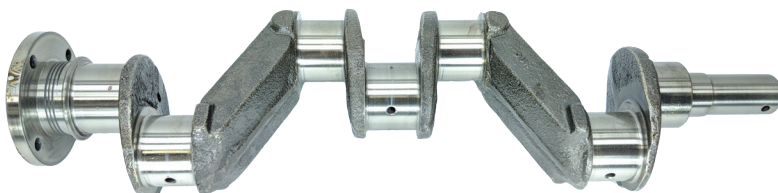
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*Many of these cranks are covered in a heavy layer of cosmoline or protective coating, cleaning will be required before installation.

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5002N | Allis Chalmers®
G138, G149, Early G160



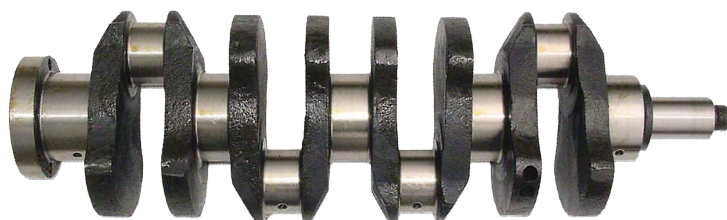
5006N | Allis Chalmers®
G226, W226 (WD45)

Part No.	Engine	Specification	Replace/Notes
5002N	G138 G149 G160	Stroke: 3.875" (98.425mm) Rod Ø: 1.9365-1.9375" (49.187-49.213mm) Main Ø: 2.7480-2.7490" (69.799-69.825mm) Neck: Straight, 1-Bolt, 1-Key Flange: 4-Bolt Weight: 37 lbs.	227550 For Early G160 crankshafts. Be sure to compare forging numbers.
5006N	G226 W226	Stroke: 4.50" (114.3mm) Rod Ø: 2.3740-2.3750" (60.30-60.325mm) Main #1 Ø: 2.4355-2.4365" (61.862-61.887mm) Main #2 & #3 Ø: 2.4770-2.4780" (62.916-62.941mm) Neck: Straight, 1-Bolt, 1-Key Flange: 4-Bolt Weight: 50 lbs.	226535 Variable main journal Ø used primarily in the Allis Chalmers WD45. Does NOT fit D17 applications.
7543N	115, 159 Fiat 8035.04	Stroke: 4.33" (109.982mm) Rod Ø: 2.312" (58.7248mm) Main Ø: 2.999" (76.1746mm) Neck: Threaded Flange: 7 bolt holes. Rear seal surface diameter 4.330" Weight: 65 lbs.	4679789, 72094402V, 4785106

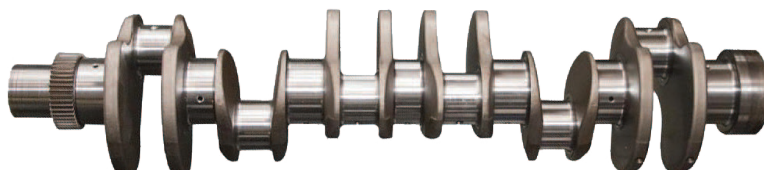
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Part No.	Engine	Specification	Replace/Notes
5306N	G126 G148	Stroke: 4.125" (104.775mm) Rod Ø: 1.9365-1.9375" (49.187-49.213mm) Main Ø: 2.2490-2.250" (57.125-57.15mm) Neck: Straight, Threaded Flange: 4-Bolt Weight: 43 lbs.	G11164, G11700, G11701, G10071 Not compatible with cylinder blocks (m) G1235. Early models only, 1955-1960.
5307N	G148B G159	Stroke: 4.125" (104.775mm) Rod Ø: 2.0605-2.0615" (52.337-52.362mm) Main Ø: 2.6230-2.6240" (66.624-66.65mm) Neck: Straight, Threaded Flange: 4-Bolt, Splined Pilot Hole Weight: 50 lbs.	G11708, G11709, 967731, A37210 Late models only, 1961-1966 Splined pilot hole. For bushed pilot hole, see 5307NB.
5307NB	G148B G159	Stroke: 4.125" (104.775mm) Rod Ø: 2.0605-2.0615" (52.337-52.362mm) Main Ø: 2.6230-2.6240" (66.624-66.65mm) Neck: Straight, Threaded Flange: 4-Bolt, Bushed Pilot Hole Weight: 50 lbs.	G11708, G11709, 967731, A37210 Late models only, 1961-1966 Bushed pilot hole. For splined pilot hole, see 5307N.
5310N	G188D	Stroke: 4.125" (104.775mm) Rod Ø: 2.0605-2.0615" (52.337-52.362mm) Main Ø: 2.8730-2.8740" (72.974-72.9996mm) Neck: Threaded, 2-Key Flange: 4-Bolt, Bushed Pilot Hole Weight: 76 lbs.	A151015, G11740, G11741, A39151 Bushed pilot hole. For splined pilot hole, see 5314N.
5314N	G188D	Stroke: 4.125" (104.775mm) Rod Ø: 2.0605-2.0615" (52.337-52.362mm) Main Ø: 2.8730-2.8740" (72.974-72.9996mm) Neck: Threaded, 2-Key Flange: 4-Bolt, Splined Pilot Hole Weight: 76 lbs.	A151015, G11740, G11741, A39151 Splined pilot hole. For bushed pilot hole, see 5310N.
5315N	D207	Stroke: 4.125" (104.775mm) Rod Ø: 2.2480-2.2490" (57.099-57.125mm) Main Ø: 2.8730-2.8740" (72.974-72.9996mm) Neck: Straight, Threaded, 2-Key Flange: 4-Bolt Weight: 77 lbs.	A144011, 976321 Not compatible with turbocharged applications.
5309N	BG251 G251 251S A267 267BD A284 301BD 301BG 336BD	Stroke: 5.00" (127mm) Rod Ø: 2.7480-2.7490" (69.799-69.825mm) Main Ø: 2.9980-2.9990" (76.149-76.175mm) Neck: Straight, 1-Bolt, 1-Key Flange: 6-Bolt Weight: 95 lbs.	A166001, 010700, A22578, 966772 Small Main style. For Large Main style, see 5316N. NOTE: Uses a bolt-on style center gear (gear not included).
5316N	336BDT	Stroke: 5.00" (127mm) Rod Ø: 2.9980-2.9990" (76.149-76.175mm) Main Ø: 3.4980-3.4990" (88.849-88.875mm) Neck: Straight, 1-Bolt, 1-Key Flange: 6-Bolt Weight: 95 lbs.	A65109, A61983, 969266, A58722, A155438 Large Main style. For Small Main style, see 5309N. NOTE: Uses a weld-on style center gear (gear included).



5314N | Case®
G188D



5733N | Case®
6-590, 6T-590

Part No.	Engine	Specification	Replace/Notes
5734N	4-390 4T-390	Stroke: 4.724" (119.99mm) Rod Ø: 2.7160-2.7170" (68.986-69.012mm) Main Ø: 3.2672-3.2682" (82.987-83.012mm) Neck: 4-Bolt, 1-Key Flange: 8-Bolt Weight: 93 lbs.	J908031, J918323, 3903827, 3907803, 3929036
5733N	6-590 6T-590	Stroke: 4.724" (119.99mm) Rod Ø: 2.7160-2.7170" (68.986-69.012mm) Main Ø: 3.2672-3.2682" (82.987-83.012mm) Neck: 4-Bolt, 1-Key Flange: Flat, 8-Bolt Weight: 128 lbs.	J908032, 3907804, 3929037, 3907604, 3908032 -Not compatible with applications using bolt-on crankshaft speed sensor.
5735N	6-830 6T-830	Stroke: 5.3150" (135.001mm) Rod Ø: 2.9916-2.9926" (75.987-76.012mm) Main Ø: 3.8568-3.8588" (97.963-98.014mm) Neck: Straight, 4-Bolt, 1-Key Flange: 8-Bolt, 1-Dowel Weight: 174 lbs.	3917320, 3917443 3918986, 390562, 3914584, 728533
9917N	674 CID 11.0L	Stroke: 5.709" (145.009mm) Rod Ø: 3.3162-3.3171" (84.231-84.254mm) Main Ø: 3.9999-4.00080" (101.597-101.62mm) Neck: 1-Bolt, 1-Key Flange: Flat, 8-Bolt, 3-Dowel Weight: 275 lbs.	A46516, 247-5171, 3122739, 342060, 56163M, A45907 NOTE: Used in Case 2870, 4890, and 4894 Wheel tractors.

Part No.	Engine	Specification	Replace/Notes
5442N	D330	Stroke: 5.500" (139.7mm) Rod Ø: 2.9987-3.0003" (76.167-76.208mm) Main Ø: 3.4990-3.500" (88.875-88.9mm) Neck: Tapered, 1-Bolt, 1-Key Flange: 9-Bolt Weight: 146 lbs.	8M4505, 8M4504, 8M4506, 2M5170, 4M9950, 2S5570, 5S5251, 9H2725, 4M9960 NOTE: Left-hand helical, 40-tooth front gear.
5469N	D342	Stroke: 8.000" (203.2mm) Rod Ø: 3.6230-3.6250" (92.024-92.075mm) Main Ø: 4.2590-4.2610" (108.179-108.229mm) Neck: 1-Bolt, 1-Key Flange: Flat, 6-Bolt Weight: 235 lbs.	6N2823
5412N	1693 D343	Stroke: 6.500" (165.1mm) Rod Ø: 3.5395-3.5405" (89.903-89.929mm) Main Ø: 4.4995-4.5005" (114.287-114.313mm) Neck: 12-Bolt, 1-Dowel Flange: Centering Ring, 12-Bolt Weight: 400 lbs.	7M9200, 2P3840, 2P3839, 2P3841
5430N	3204	Stroke: 5.00" (127mm) Rod Ø: 2.7489-2.7505" (69.822-69.863mm) Main Ø: 3.4984-3.5000" (88.859-88.900mm) Neck: 1-Bolt, 2-Key Flange: Centering Ring, 8-Bolt Weight: 119 lbs.	1W9771, 4N0012, 4N111X, 6N8290, 1W0400, 4N0111, 4N1111, 7N5137, 0R1206, 0R1209, 0R5024, 0R5164, 0R5474, 0R5560 NOTE: 40-Tooth, 0.906" (23.0124mm) wide front gear.
5493N	3208	Stroke: 5.00" (127mm) Rod Ø: 2.7490-2.7502" (69.825-69.855mm) Main Ø: 3.4989-3.5001" (88.872-88.903mm) Neck: 2.125" Ø, Straight, 1-Bolt, 1-Key Flange: 10-Bolt, 1-Dowel Weight: 128 lbs.	2W0085, 9N6221, 9N0300, 9N0303, 4N8454, 4N8453, 9N6220, 2W8453, 4N9054, 4N9055, 9N6304, 9N0305, 9N300, 9N6202, 9N6220, 0R5051, 0R5053, 0R5163 Replaces 8-bolt cranks if extra bolt holes are plugged
5471N	3304 PC	Stroke: 6.00" (152.4mm) Rod Ø: 2.9987-3.0003" (76.167-76.208mm) Main Ø: 3.4990-3.5000" (88.875-88.9mm) Neck: Tapered, 1-Bolt, 1-Key Flange: Flat, 9-Bolt Weight: 152 lbs.	2P1491, 2P1686, 2P6213, 2P6214, 2P6217, 2W7960, 2Y4504, 3Y1613, 4N7692, 4N7694, 4N7695, 4N9694, 5C3834, 5S3835, 5S5251, 5S5252, 9S771, 0R1212, 0R1214, 0R5021, 0R5166, 0R5167, 0R5169, 0R5170 NOTE: For Precombustion ("PC") engines. Front gear width: 0.932" (23.6728mm). Thrust width of 1.593" (40.4622mm).
5422N	3304 DI	Stroke: 6.00" (152.4mm) Rod Ø: 2.9987-3.0003" (76.167-76.208mm) Main Ø: 3.4990-3.5000" (88.875-88.9mm) Flange: Flat, 9-Bolt Weight: 175 lbs.	368-5912, 2W7960 NOTE: For Direct Injected ("DI") engines. Front gear width: 1.168" (29.6672mm)
5472N	3306 PC	Stroke: 6.000" (152.4mm) Rod Ø: 2.9987-3.0003" (76.167-76.208mm) Main Ø: 3.4990-3.5000" (88.875-88.9mm) Neck: Tapered, 1-Bolt, 1-Key Flange: 9-Bolt Weight: 200 lbs.	5S5870, 8M4502, 1P1390, 2P2842, 4N7696, 9S2270 Precombustion. 40-Tooth, Left-Hand Helical Front Gear. Front Trust Width: 1.685" (42.799mm)

Part No.	Engine	Specification	Replace/Notes
5423N	3306 DI	Stroke: 6.000" (152.4mm) Rod Ø: 2.9987-3.0003" (76.167-76.208mm) Main Ø: 3.4990-3.5000" (88.875-88.9mm) Neck: Tapered, 1-Bolt, 1-Key Flange: 9-Bolt Weight: 200 lbs.	5S5870, 8M4502, 1P1390, 2P2842, 4N7696, 9S2270 Direct Injected. Front Trust Width: 1.590" (40.39mm)
5425N	3406 3406A 3406B	Stroke: 6.500" (165.1mm) Rod Ø: 3.8192-3.8208" (97.008-97.048mm) Main Ø: 4.7492-4.7508" (120.63-120.67mm) Neck: 12-Bolt, 1-Dowel Flange: Centering Ring, 12-Bolt Weight: 400 lbs.	7C4859, 1W6207, 2W2585, 6N3906, 2W2300, 1W6206 1170456, 6N3906, 6N3907, 7C3536, 9Y9112, 0R5026, 0R5129, 0R5132
5498N	3406C 3406E C15	Stroke: 6.500" (165.1mm) Rod Ø: 3.5425-3.5441" (88.98-90.02mm) Main Ø: 4.7492-4.7508" (120.63-120.67mm) Neck: 6-Bolt, 1-Dowel Flange: Centering Ring, 12-Bolt Weight: 400 lbs.	6I1453, 4P9121, 7C3536, 9Y9112, 160-1799 Will NOT fit C15 ACERT engines. See 5455N for C15 ACERT engines. NOTE: Can replace 5485N with gear change. Machined groove on #2 counterweight for timing sensor.
5437N	3408	Stroke: 6.000" (152.4mm) Rod Ø: 3.8192-3.8208" (97.008-97.048mm) Main Ø: 4.7492-4.7508" (120.63-120.67mm) Neck: Centering Ring, 12-Bolt Flange: Centering Ring, 12-Bolt, 1-Dowel Weight: 400 lbs.	1W5009, 1W5008 Late style with 9 counterweights.
5494NHG	3412	Stroke: 6.000" (152.4mm) Rod Ø: 3.8192-3.8208" (97.008-97.048mm) Main Ø: 4.7492-4.7508" (120.630-120.670mm) Neck: Centering Ring, 12-Bolt Flange: Centering Ring, 12-Bolt, 1-Dowel Weight: 550 lbs.	213-3203, 0R5069, 1W6213, 0R5070, 2W4088, 0R5339, 4N0012, 2619648, 1W6212, 0R5070, 1W6213, 0R5339, 4N0012, 261-9647, 0R5069 Helical tooth front gear.
5494NSG	3412	Stroke: 6.000" (152.4mm) Rod Ø: 3.8192-3.8208" (97.008-97.048mm) Main Ø: 4.7492-4.7508" (120.630-120.670mm) Neck: Centering Ring, 12-Bolt Flange: Centering Ring, 12-Bolt, 1-Dowel Weight: 550 lbs.	213-3203, 0R5069, 1W6213, 0R5070, 2W4088, 0R5339, 4N0012, 2619648, 1W6212, 0R5070, 1W6213, 0R5339, 4N0012, 261-9647, 0R5069 Straight tooth front gear
5494N	3412	Stroke: 6.000" (152.4mm) Rod Ø: 3.8192-3.8208" (97.008-97.048mm) Main Ø: 4.7492-4.7508" (120.630-120.670mm) Neck: Centering Ring, 12-Bolt Flange: Centering Ring, 12-Bolt, 1-Dowel Weight: 550 lbs.	213-3203, 0R5069, 1W6213, 0R5070, 2W4088, 0R5339, 4N0012, 2619648, 1W6212, 0R5070, 1W6213, 0R5339, 4N0012, 261-9647, 0R5069 Front gear not included.
5510N	3508	Stroke: 7.480" (189.992mm) Rod Ø: 5.3140-5.3160" (134.9756-135.0264mm) Main Ø: 6.2982-6.3002" (159.97428-160.02508mm) Weight: 984 lbs.	152-7625

Part No.	Engine	Specification	Replace/Notes
5511N	3508	Stroke: 7.480" (189.992mm) Rod Ø: 5.3140-5.3160" (134.9756-135.0264mm) Main Ø: 6.2982-6.3002" (159.97428-160.02508mm) Weight: 984 lbs.	153-3928
5441N	C7 early 3116 3126	Stroke: 5.00" (127mm) Rod Ø: 2.7551-2.7567" (69.98-70.02mm) Main Ø: 3.5425-3.5441" (89.98-90.02mm) Neck: Straight, 4-Bolt, 1-Key Flange: Centering Ring, 8-Bolt, 1-Dowel Weight: 160 lbs.	105-1725, 4W3498, 101-3228, 4P5121, 227-5480, 7W5206, 271-5658 NOTE: Straight, 50-tooth front gear. Non-reluctor ring style.
5460N	C7 ACERT	Stroke: 5.00" (127mm) Rod Ø: 2.7551-2.7567" (69.98-70.02mm) Main Ø: 3.5425-3.5441" (89.98-90.02mm) Neck: Straight, 4-Bolt, 1-Key Flange: Centering Ring, 8-Bolt, 1-Dowel Weight: 155 lbs.	222-3900, 227-5480, 271-5658, 282-7956
5444N	C9 C9 ACERT	Stroke: 5.870" (149.0mm) Rod Ø: 3.1486-3.1504" (79.979-28.550mm) Main Ø: 4.0937-4.0953" (103.979-104.020mm) Neck: Straight, 4-Bolt Flange: Centering Ring, 8-Bolt, 1-Dowel Weight: 220 lbs.	261-1544 Straight, 50-tooth front gear.
5468N	C9 C9 ACERT	"Stroke: 5.870" (149.0mm) Rod Ø: 3.1486-3.1504" (79.979-28.550mm) Main Ø: 4.0937-4.0953" (103.979-104.020mm) Neck: Straight, 4-Bolt Flange: Centering Ring, 8-Bolt, 1-Dowel Weight: 220 lbs."	282-7958
5449N	C10	"Stroke: 5.5118" (140.00mm) Rod Ø: 3.2275-3.2291" (81.980-82.020mm) Main Ø: 4.2512-4.2528" (107.980-108.020mm) Neck: Straight, 6-Bolt Flange: 8-Bolt, 1-Dowel Weight: 250 lbs."	132-3211
5450N	C10	"Stroke: 5.5118" (140.00mm) Rod Ø: 3.2275-3.2291" (81.980-82.020mm) Main Ø: 4.2512-4.2528" (107.980-108.020mm) Neck: Straight, 6-Bolt Flange: 8-Bolt, 1-Dowel Weight: 250 lbs."	169-4187, 326-4278
5451N	C10	Stroke: 5.5118" (140.00mm) Rod Ø: 3.2275-3.2291" (81.980-82.020mm) Main Ø: 4.2512-4.2528" (107.980-108.020mm) Neck: Straight, 6-Bolt Flange: 8-Bolt, 1-Dowel Weight: 250 lbs.	119-3751, 116-1081, 116-1080 Front Gear: 1.290" (32.77mm) wide.

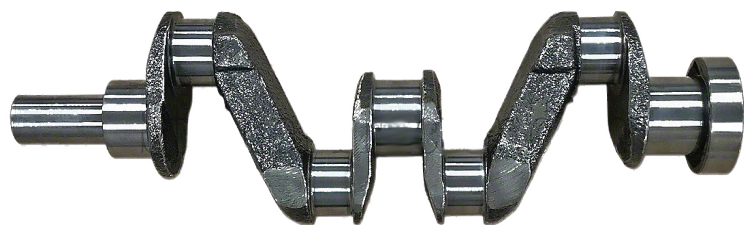
Part No.	Engine	Specification	Replace/Notes
5452N	C11 ACERT	"Stroke: 5.5120" (140.00mm) Rod Ø: 3.5031-3.5047" (88.980-89.200mm) Main Ø: 4.2512-4.2528" (107.980-108.020mm) Neck: Straight, 6-Bolt Flange: 8-Bolt, 1-Dowel Weight: 292 lbs."	207-8503
5453N	C12	"Stroke: 5.9055" (150.00mm) Rod Ø: 3.5031-3.5047" (88.979-89.019mm) Main Ø: 4.2512-4.2528" (107.980-108.121mm) Neck: Straight, 6-Bolt Flange: 8-Bolt, 1-Dowel Weight: 187 lbs."	169-4189, 116-1072, 326-4280
5413N	C13 ACERT	"Stroke: 6.1811" (157.00mm) Rod Ø: 3.5031-3.5047" (88.980-89.200mm) Main Ø: 4.2512-4.2528" (107.980-108.020mm) Neck: Straight, 6-Bolt Flange: 8-Bolt, 1-Dowel Weight: 276 lbs."	313-3997, 221-9364, 312-4593, 195-0306
5498N	C15 3406C 3406E	Stroke: 6.500" (165.1mm) Rod Ø: 3.5425-3.5441" (88.98-90.02mm) Main Ø: 4.7492-4.7508" (120.63-120.67mm) Neck: 6-Bolt, 1-Dowel Flange: Centering Ring, 12-Bolt Weight: 400 lbs.	611453, 4P9121, 7C3536, 9Y9112 Will NOT fit C15 ACERT engines. See 5455N for C15 ACERT engines. NOTE: Can replace 5485N with gear change. Machined groove on #2 counterweight for timing sensor.
5485N	C15	Stroke: 6.500" (165.1mm) Rod Ø: 3.5425-3.5441" (88.98-90.02mm) Main Ø: 4.7492-4.7508" (120.63-120.67mm) Neck: 6-Bolt, 1-Dowel Flange: Centering Ring, 12-Bolt Weight: 400 lbs.	160-1799 Will NOT fit C15 ACERT engines. See 5455N for C15 ACERT engines. NOTE: Can be replaced by 5498N with gear change. Machined groove on #2 counterweight for timing sensor.
5455N	C15 ACERT	Stroke: 6.7320" (165.1mm) Rod Ø: 3.8181-3.8197" (96.980-97.020mm) Main Ø: 4.7492-4.7508" (120.63-120.67mm) Neck: 6-Bolt Flange: Centering Ring, 12-Bolt, 1-Dowel Weight: 416 lbs.	221-9360, 221-9358, 195-0312 For ACERT engines ONLY.
5454N	C16	Stroke: 6.750" (171.450mm) Rod Ø: 3.5425-3.5441" (89.980-90.020mm) Main Ø: 4.7492-4.7508" (120.630-120.670mm) Neck: Straight, 6-Bolt Flange: 12-Bolt, 1-Dowel Weight: 280 lbs.	1155-6632, 132-1116

Part No.	Engine	Specification	Replace/Notes
5457N	C18	Stroke: 7.205" (183.00mm) Rod Ø: 3.5425-3.5441" (89.980-90.020mm) Main Ø: 4.7492-4.7508" (120.63-120.67mm) Neck: Centering Ring, 12-Bolt Flange: Centering Ring, 12-Bolt, 1-Dowel Weight: 447 lbs.	189-4918, 195-0314, 189-4917
5478N	C27 ACERT	Stroke: 6.000" (152.400mm) Rod Ø: 3.8192-3.8208" (97.008-97.048mm) Main Ø: 4.7492-4.7508" (120.630-120.670mm) Neck: 12-Bolt Flange: 12-Bolt, 1-Dowel Weight: 295 lbs.	225-6053, 219-4453
5479N	C32 ACERT	Stroke: 6.500" (165.000mm) Rod Ø: 3.8192-3.8208" (97.008-97.048mm) Main Ø: 4.7492-4.7508" (120.630-120.670mm) Neck: 12-Bolt Flange: 12-Bolt, 1-Dowel Weight: 295 lbs.	224-3252, 219-4454, 384-9908
7452N	3024C C2.2	Stroke: 3.9370" (100mm) Rod Ø: 2.0458-2.0463" (84.000-84.019mm) Main Ø: 2.6755-2.6760" (67.957-67.970mm) Neck: Tapered, Threaded Flange: Lip Seal Weight: 78 lbs.	115256990, P770, P771 100.00mm Stroke
5411N	3046	Stroke: 4.7244" (120.00mm) Rod Ø: 2.2817-2.2823" (57.955-57.970mm) Main Ø: 3.0691-3.0697" (77.955-77.970mm) Neck: Threaded, 2-Key Flange: 6-Bolt, 2-Dowel Weight: 125 lbs.	32B20-10010, 107-0922
7429N10	3054	Stroke: 5.00" (127mm) Rod Ø: 2.4990-2.50" (63.475-63.5mm) Main Ø: 2.9980-2.9990" (76.149-76.175mm) Neck: Splined, 3-Bolt, 1-Key Flange: Lip Seal, 10-Bolt, 1-Dowel Weight: 75 lbs.	7C8214, 4P9948, 071Z724149, ZZ90082, 139-7018, Z13071, 221-8057, 7C3184, 3131-5666 Verify number of bolt and dowel holes on rear flange of original crankshaft.
7431N10	3054C 3054E	Stroke: 5.00" (127mm) Rod Ø: 2.4990-2.50" (63.475-63.5mm) Main Ø: 2.9980-2.9990" (76.149-76.175mm) Neck: Splined, 3-Bolt, 1-Key Flange: Lip Seal, 10-Bolt, 1-Dowel Weight: 85 lbs.	ZZ90239, 232-7400 Verify number of bolt and dowel holes on rear flange of original crankshaft.
5443N	3056	Stroke: 5.00" (127mm) Rod Ø: 2.4990-2.50" (63.475-63.50mm) Main Ø: 2.9980-2.9990" (76.149-76.175mm) Neck: Straight, 3-Bolt, 2-Key Flange: 10-Bolt, 2-Dowel Weight: 102 lbs.	193-0159, 234-0207

Part No.	Engine	Specification	Replace/Notes
5445N	3056E	"Stroke: 5.000" (127mm) Rod Ø: 2.4990-2.500" (63.4746-63.500mm) Main Ø: 2.9980-2.9990" (76.1492-76.1746mm) Weight: 102 lbs."	1930159, 2340207, 240-8467
5456N	3064	Stroke: 5.118" (129.997mm) Rod Ø: 2.3600-2.3608" (59.944-59.964mm) Main Ø: 3.5410-.5420" (89.941-89.967mm) Neck: Threaded, 2-Key Flange: Flat, 6-Bolt, 2-Dowel Weight: 95 lbs.	517844, 515610, 515611, 135-2419 NOTE: Helical style gear.
5476N	3066	Stroke: 5.118" (129.997mm) Rod Ø: 2.3600-2.3608" (59.944-59.964mm) Main Ø: 3.5410-3.5420" (89.941-89.967mm) Neck: Straight, Threaded, 2-Key Flange: Flat, 6-Bolt, 2-Dowel Weight: 140 lbs.	125-3005, 517671, 080-6127, 08C127 NOTE: Has a shoulder in front of center main to allow for detachable gear.
5436N	C4.4	"Stroke: 5.00" (127mm) Rod Ø: — Main Ø: 3.3067-3.3075" (83.99 to 84.01MM) Neck: — Flange: — Weight: —"	2327400, 3642829
5447N	C6.6 ACERT	"Stroke: 5.000" (127.000mm) Rod Ø: 2.8339-2.8346" (71.980-72.000mm) Main Ø: 3.3067-3.3075" (83.99 to 84.01mm)"	3749163, 2767387, 2767388
5448N	C7.1 ACERT	"Stroke: 5.315" (135.000mm) Rod Ø: 2.8335-2.8342" (71.970-71.990mm) Main Ø: 3.3067-3.3075" (83.990-84.010mm)"	3764074

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6002N | Continental®
Z120



6003N | Continental®
Z129, Z134

Part No.	Engine	Specification	Replace/Notes
6002N	Z120	Stroke: 3.750" (95.25mm) Rod Ø: 1.9365-1.9375" (49.187-49.213mm) Main Ø: 2.2490-2.2500" (57.125-57.15mm) Neck: Straight, 1-Bolt, 2-Key Flange: 4-Bolt Weight: 35 lbs.	1750280M1, Z120C500
6003N	Z129 Z134	Stroke: 3.875" (98.425mm) Rod Ø: 1.9365-1.9375" (49.187-49.213mm) Main Ø: 2.2490-2.2500" (57.125-57.15mm) Neck: Straight, 1-Bolt, 2-Key Flange: 4-Bolt Weight: 35 lbs.	1750169M1, Z129C500, Z134C500, 830686M91, Z129C205
6005N	Z145	Stroke: 4.06" (103.124mm) Rod Ø: 1.937" (49.199mm) Main Ø: 2.2500" (57.15mm) Neck: Straight, 1-Bolt, 2-Key Weight: 42 lbs.	1047539M1, Z145C100, Z145C600
6001N	G176	Stroke: 4.375" (111.125mm) Rod Ø: 2.0615-2.0625" (52.362-52.388mm) Main Ø: 2.3740-2.3750" (60.3-60.325mm) Neck: Straight, 1-Bolt, 1-Key Weight: 46 lbs.	G176C300, 830756M91

Part No.	Engine	Specification	Replace/Notes
5755N	ISF 3.8L	Stroke: 4.5276" (115.000mm) Rod Ø: 2.7150-2.7170" (68.962-69.013mm) Main Ø: 3.2662-3.2682" (82.962-83.013mm) Neck: Straight, 6-Bolt Flange: 8-Bolt, 1-Dowel Weight: 98 lbs	5261376, 52861375, 2831335, 1DA50887
5734N	4B 3.9L 4BT 3.9L 4BTA 3.9L	Stroke: 4.724" (119.99mm) Rod Ø: 2.7160-2.7170" (68.966-69.012mm) Main Ø: 3.2672-3.2682" (82.987-83.012mm) Neck: 4-Bolt, 1-Key Flange: 8-Bolt Weight: 93 lbs.	3903827, 3907803, 3929036, 3908031, J908031, J918323, 9P902418
5795N	QSB 3.9L	Stroke: 4.7244" (120.00mm) Rod Ø: 2.7160-2.7170" (68.966-69.012mm) Main Ø: 3.2672-3.2682" (82.987-83.012mm) Neck: Straight, 6-Bolt, 1-Dowel Flange: 8-Bolt Weight: 100 lbs.	3929027, 4896764, 2831067, 3929036, 4025081, 3915258 NOTE: Front gear width: 0.40" (10.16mm). Rear gear width: 1.25" (31.79mm)
5790N	QSB 4.5L B4.5 RGT	Stroke: 4.882" (124.000mm) Rod Ø: 2.7160-2.7170" (68.986-69.012mm) Main Ø: 3.2672-3.2682" (82.987-83.012mm) Neck: 6-Bolt, 1-Dowel Flange: 8-Bolt, 2-Dowel Weight: 120 lbs.	3974634, 3974539, 3968176, 3968177
5733N	6B 5.9L 6BT 5.9L 6BTA 5.9L	Stroke: 4.724" (119.99mm) Rod Ø: 2.7160-2.7170" (68.986-69.012mm) Main Ø: 3.2672-3.2682" (82.987-83.012mm) Neck: 4-Bolt, 1-Key Flange: 8-Bolt Weight: 128 lbs.	3907804, 3929037, 3907604, 3908032 Not compatible with applications using bolt-on sensor.
5794N	ISB 5.9L	Stroke: 4.7244" (120.000mm) Rod Ø: 2.7160-2.7170" (68.986-69.012mm) Main Ø: 3.2672-3.2682" (82.987-83.012mm) Neck: Straight, 4-Bolt, 1-Dowel Flange: 8-Bolt, 2" (50.8mm) Pilot Hole Weight: 130 lbs.	3946437, 3964040, 3978482, 4980462, 3944243, 3941199, 3915258 Compatible with CNH/Iveco 667TA engines. Can replace 5733N. For applications with automatic transmissions only.
5743N	ISB 5.9L	Stroke: 4.7244" Rod Ø: 2.7160-2.7170" Main Ø: 3.2672-3.2682" Neck: 4 bolt with helical gear Flange: 8 bolt holes, Lip Seal Weight: 150 lbs.	3941199 3944243, 3944204
5731N	ISB 6.7L	Stroke: 4.7200" (120.000mm) Rod Ø: 2.7150-2.7170" (68.960-69.010mm) Main Ø: 3.2670" (82.987mm) Neck: 6-Bolt, 1-Dowel Flange: 8-Bolt Weight: 140 lbs.	2830476, 2830477, 4934566, 3942441, 3929627, 4896766 Rear gear train.

Part No.	Engine	Specification	Replace/Notes
5798N	QSB 6.7L	Stroke: 4.7200" (120.000mm) Rod Ø: 2.7150-2.7170" (68.960-69.010mm) Main Ø: 3.2670" (82.987mm) Neck: 6-Bolt, 1-Dowel Flange: 8-Bolt Weight: 140 lbs.	2831071, 4899397 Rear gear train. Intended for off-road applications only.
5791N	QSB 6.7L	Stroke: 4.88188" (124.00mm) Rod Ø: 2.7150-2.7170" (68.962-69.013mm) Main Ø: 3.2662-3.2682" (82.962-83.013mm) Neck: Straight, 6-Bolt, 1-Dowel Flange: 8-Bolt Weight: 140 lbs.	3974538, 4934862, 3974635, 4934861, 4935869
5735N	6C 8.3L 6CT 8.3L 6CTA 8.3L	Stroke: 5.3150" (135.001mm) Rod Ø: 2.9916-2.9926" (75.987-76.012mm) Main Ø: 3.8568-3.8588" (97.963-98.014mm) Neck: Straight, 4-Bolt, 1-Key Flange: 8-Bolt, 1-Dowel Weight: 174 lbs.	3917320, 3917443 3918986, 390562, 3914584, 728533
5748N	155 V378 VT378	Stroke: 3.750" (95.250mm) Rod Ø: 2.4990-2.5000" (63.475-63.500mm) Main Ø: 3.4990-3.5000" (88.875-88.900mm) Neck: Straight, 5-Bolt Flange: 8-Bolt, 1-Key Weight: 125 lbs.	195240
5749N	210 V504 VT504	Stroke: 3.750" (95.250mm) Rod Ø: 2.4990-2.5000" (63.475-63.500mm) Main Ø: 3.4990-3.5000" (88.875-88.900mm) Neck: Straight, 5-Bolt Flange: 8-Bolt, 1-Key Weight: 150 lbs.	194840, AR60473, 719840
5792N	ISL	Stroke: 5.6890" (144.500mm) Rod Ø: 2.9921-2.9931" (76.000-76.026mm) Main Ø: 3.8588-3.8595" (98.006-98.032mm) Neck: 5-Bolt, 1-Key Flange: 8-Bolt, 1-Dowel Weight: 160 lbs.	3965010, 3965011, 3965012
5721N	L10	Stroke: 5.354" (135.992mm) Rod Ø: 3.1097-3.1107" (78.986-79.012mm) Main Ø: 4.4888-4.4904" (114.016-114.056mm) Neck: 5-Bolt, 1-Key, OAL: 2.625" (66.675mm) Flange: 8-Bolt, 2-Dowel Weight: 250 lbs.	3819989, 3803898, 3073707 5-Bolt "Short Nose" style, OAL: 2.625" (66.675mm) Interchangeable with 5739N if you replace: Vibration Damper 3819976, Adaptor 3819977, & hardware.
5736N	L10	Stroke: 5.354" (135.992mm) Rod Ø: 3.1097-3.1107" (78.986-79.012mm) Main Ø: 4.4888-4.4904" (114.016-114.056mm) Neck: 5-Bolt, 1-Key, OAL: 3.25" (82.55mm) Flange: 8-Bolt, 2-Dowel Weight: 250 lbs.	3819624 5-Bolt "Long Nose" style, OAL: 3.25" (82.55mm)

Part No.	Engine	Specification	Replace/Notes
5739N	L10	Stroke: 5.354" (135.992mm) Rod Ø: 3.1097-3.1107" (78.986-79.012mm) Main Ø: 4.4888-4.4904" (114.016-114.056mm) Neck: 6-Bolt, 1-Key, OAL: 2.72" (69.088mm) Flange: 8-Bolt, 2-Dowel	3803898, 3027931, 3819989 6-Bolt "Short Nose" style, OAL: 2.72" (69.088mm) Interchangeable with 5721N if you replace: Vibration Damper 3511829, Adaptor 3046414, & hardware.
5741N	M11	Stroke: 5.790" (147.066mm) Rod Ø: 3.1083-3.1107" (78.951-79.012mm) Main Ø: 4.4888-4.4904" (114.016-114.056mm) Neck: 5-Bolt, 1-Dowel Flange: 8-Bolt Weight: 250 lbs.	3073707 Right-hand helical, 40-tooth front gear.
5710N	855 NT Series	Stroke: 6.000" (152.4mm) Rod Ø: 3.1240-3.1250" (79.35-79.375mm) Main Ø: 4.4990-4.5000" (114.275-114.3mm) Neck: Straight, 6-Bolt, 1-Key Flange: 6-Bolt Weight: 370 lbs.	0131, 101109, 10846, 110760, 111786, 124310, 12821, 130186, 144016, 211980, 247-5001, 3000140, 3024923, 56711, AR1937, H56711, NH0123 Big Cam style. See 5715N for Small Cam style.
5715N	855 NT Series	Stroke: 6.000" (152.4mm) Rod Ø: 3.1240-3.1250" (79.35-79.375mm) Main Ø: 4.4990-4.5000" (114.275-114.3mm) Neck: Tapered, 1-Bolt, 1-Key Flange: 6-Bolt Weight: 370 lbs.	101109, 110760, 111789, 121610, 123410, 130186, 135030, 136530, 142770, 142960, 162186, 181030, 187640, 196410, 202180, 208460, 208470, 247-5049, 3001588, 3029340, 42960 Small Cam style. See 5710N for Big Cam style
5738N	N14	Stroke: 6.000" (152.4mm) Rod Ø: 3.4970-3.4995" (88.824-88.887mm) Main Ø: 4.4970-4.5000" (114.224-114.3mm) Neck: 6-Bolt, 1-Key Flange: 6-Bolt Weight: 370 lbs.	3064291
5793N	ISC QSC 8.3L	Stroke: 5.315" (135.001mm) Rod Ø: 2.9921-2.9931" (76.000-76.026mm) Main Ø: 3.8588-3.8595" (98.006-98.032mm) Neck: 4 Bolt Flange: 8 Bolt, 1 Dowle Weight: 187 lbs.	3965008, 3965006, 3965007
5728N	QSL	Stroke: 5.6890" Rod Ø: 2.9906-2.9926" Main Ø: 3.8568-3.8588" Neck: 4 bolt Flange: 1 dowel, 8 bolt, Flat seal Weight: 250 lbs.	5257218
5727N	QSK19	Stroke: 6.25" Rod Ø: 3.9970-4.0000" (105.524-101.600mm) Main Ø: 5.4975-5.5000" (139.637-139.700mm) Neck: 6 Bolt Flange: 1 dowel, 8 bolt, Flat seal Weight: 500 lbs.	4916790, 4371597, 4916789, 4917120, 4371598, 4916739

Part No.	Engine	Specification	Replace/Notes
5799N	ISX QSX	Stroke: 6.653" (139.00mm) Rod Ø: 3.7000-3.7020" (93.980-94.020mm) Main Ø: 4.9999-5.0007" (126.980-127.020mm) Neck: 8-Bolt, 1-Dowel Flange: 12-Bolt, 1-Dowel Weight: 380 lbs.	4925762, 3681910, 4925761, 4319022, 3680962, 3680715
5750N	ISX-12	Stroke: 5.906" (150.000mm) Rod Ø: 3.7002-3.7014" (93.985-94.015mm) Main Ø: 4.9200-4.9220" (124.980-125.020mm) Neck: 12 Bolt, 2 dowel Flange: 10 Bolt, 1 Dowel, centering ring Weight: 300 lbs.	2883164, 2882731
5704N	KT1150 K19 Series K Series KT Series	Stroke: 6.250" (158.75mm) Rod Ø: 3.9985-4.0000" (101.562-101.6mm) Main Ø: 5.4985-5.5000" (139.662-139.7mm) Neck: 6-Bolt, 1-Key, 1-Dowel Flange: 9-Bolt Weight: 525 lbs.	3096362, 3016098, 3016096, 3003000, 3201082, 3005357, 206910, 3016096, Has integral counterweights.
5740N	K38 KT38 KTA38 KT2300 KT Series	Stroke: 6.2589" (158.976mm) Rod Ø: 4.2470-4.2500" (107.874-107.95mm) Main Ø: 6.4975-6.5000" (165.037-165.1mm) Neck: 8-Bolt, Bolt Pattern Ø: 3.05" (77.47mm) Weight: 795 lbs.	3630076, 3630058, 3630075, 3630072, 3176428, 3176424 This is the updated bolt pattern. The earlier version can be upgraded to this style with: Spacer 3069781, Adapter 3069776, and a pulley (part number varies by application).
5766N	G50 K50 GTA50 QSK50	Stroke: 6.2589" Rod Ø: 4.2470-4.2500" Main Ø: 6.4975-6.5000" Neck: 12-Bolt, 1-Dowel Flange: 12-Bolt, 2-Dowel Weight: 1100 lbs.	3626832, 3629276, 33172928, 3627642, 3648618, 4098998

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AD 4/49

Part No.	Engine	Specification	Replace/Notes
5399N	AD 3/55	Stroke: 4.500" (114.3mm) Rod Ø: 2.3730-2.3735" (60.274-60.287mm) Main Ø: 2.4990-2.4995" (63.475-63.487mm) Neck: Splined, 1-Bolt Flange: 4-Bolt, 1-Dowel Weight: 85 lbs.	K961726, 05700AB, 8629, A906675MF, K912017
5318N	AD 4/47	Stroke: 4.500" (114.3mm) Rod Ø: 2.2480-2.2485" (57.099-57.112mm) Main Ø: 2.4990-2.4995" (63.475-63.487mm) Neck: Splined, Threaded Flange: 4-Bolt, 1-Dowel Weight: 115 lbs.	D1061, D908453, 5176, 9016, D3891, D901620
5321N	AD 4/49	Stroke: 4.000" (101.6mm) Rod Ø: 2.3730-2.3735" (60.274-60.287mm) Main Ø: 2.4990-2.4995" (63.475-63.487mm) Neck: Splined, Threaded, 1-Key Flange: 4-Bolt, 1-Dowel Weight: 70 lbs.	D917985, 961007
5312N	AD 4/55 Small Main	Stroke: 4.500" (114.3mm) Rod Ø: 2.3730-2.3735" (60.274-60.287mm) Main Ø: 2.4990-2.4995" (63.475-63.487mm) Neck: Splined, Threaded, 1-Key Flange: 4-Bolt, 1-Dowel Weight: 67 lbs.	D905196, D179935, 917935, 2338423, K928416, K210100 Small Main style. See 5317N for Large Main style engines.
5317N	AD 4/55 Large Main	Stroke: 4.500" (114.3mm) Rod Ø: 2.4980-2.4985" (63.4492-63.4619mm) Main Ø: 2.6240-2.6245" (66.6496-66.6623mm) Neck: Splined, Threaded, 1-Key Flange: 4-Bolt, 1-Dowel Weight: 68 lbs.	D928415, K963412, K928416, 43322, D928 Large Main style. See 5312N for Small Main style engines.

Part No.	Engine	Specification	Replace/Notes
6278N	6V-71	Stroke: 5.000" (127mm) Rod Ø: 2.9985-3.0002" (76.162-76.205mm) Main Ø: 4.4985-4.50002" (114.262-114.305mm) Neck: Straight, 1-Bolt, 3-Key Flange: 6-Bolt Weight: 160 lbs.	5146733, 5117906, 5146572, 5119906
6279N	8V-71	Stroke: 5.000" (127mm) Rod Ø: 2.9985-3.0002" (76.162-76.205mm) Main Ø: 4.4985-4.50002" (114.262-114.305mm) Neck: Straight, 1-Bolt, 3-Key Flange: 8-Bolt Weight: 200 lbs.	5103264, 5119906, 5117908, 5144867
6203N	6V-92	Stroke: 5.000" Rod Ø: 2.9990-3.000" Main Ø: 4.4990-4.5000" Weight: 160 lbs.	8926922 Left-hand rotation applications only.
6204N	6V-92	Stroke: 5.000" (127mm) Rod Ø: 2.9990-3.000" (76.175-76.2mm) Main Ø: 4.4990-4.5000" (114.275-114.3mm) Neck: Straight, 1-Bolt, 3-Key Flange: 6-Bolt Weight: 160 lbs.	8926419, 8926921, 5144862, 5145300 Right-hand rotation applications only.
6206N	11.1L 60 Series	Stroke: 5.472" (138.989mm) Rod Ø: 3.3450-3.3460" (84.963-84.988mm) Main Ø: 4.9200-4.9210" (124.968-124.993mm) Neck: Straight, 12-Bolt, 1-Key Flange: Flat, 12-Bolt Weight: 350 lbs.	8929238, 8929413
6205N	12.7L 60 Series	Stroke: 6.299" (159.995mm) Rod Ø: 3.3450-3.3460" (84.963-84.988mm) Main Ø: 4.9200-4.9210" (124.968-124.993mm) Neck: Straight, 12-Bolt, 1-Key Flange: 12-Bolt Weight: 350 lbs.	8929239, 23527965, 23515598
6208N	12.7L 60 Series	Stroke: 6.299" (159.995mm) Rod Ø: 3.7390-3.7400" (94.975-95.000mm) Main Ø: 4.9200-4.9210" (124.968-124.993mm) Neck: 6-Bolt Flange: 12-Bolt Weight: 350 lbs.	23527771 DDEC5 engines.
6209N	12.7L 60 Series	Stroke: 6.299" (159.995mm) Rod Ø: 3.3450-3.3460" (84.963-84.988mm) Main Ø: 4.9200-4.9210" (124.968-124.993mm) Neck: 6-Bolt Flange: 12-Bolt Weight: 350 lbs.	23518646 DDEC5 engines. Front gear not included.

Part No.	Engine	Specification	Replace/Notes
6207N	14.0L 60 Series	Stroke: 6.599" (165.075mm) Rod Ø: 3.7390-3.7400" (94.975-95.000mm) Main Ø: 4.9200-4.9210" (124.975-125.000mm) Neck: Straight, 6-Bolt, 1-Key Flange: 12-Bolt Weight: 350 lbs.	23527225, 23522887
6307N	DD13	Stroke: 6.142" (156.000mm) Rod Ø: 3.7394-3.7401" (94.982-95.000mm) Main Ø: 4.4882" (114.000mm)	471.031.0601
6308N	DD15	Stroke: 6.420" (163.000mm) Rod Ø: 3.9362-3.9370" (99.980-100.000mm) Main Ø: 4.7236-4.7245" (119-980-120.000mm)	472.031.0301
6309N	DD16	Stroke: 6.732" (171.000mm) Rod Ø: 3.9362-3.9370" (99.980-100.000mm) Main Ø: 4.7236-4.7245" (119-980-120.000mm)	473.031.0001, 473.031.0201

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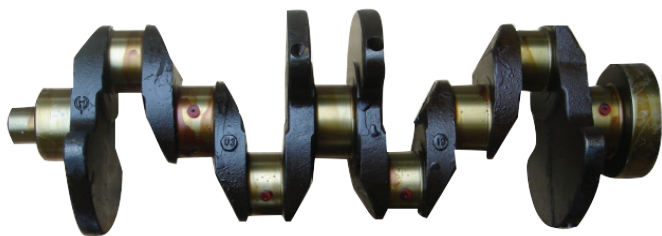
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Part No.	Engine	Specification	Replace/Notes
7512N	F1L511	Stroke: 4.134" (105.000mm) Rod Ø: 2.0461-2.0468" (51.971-51.990mm) Main Ø: 2.5185-2.5193" (63.971-63.990mm)	2233635 Bolt-on counterweights.
7533N	F2L511	Stroke: 4.134" (105.000mm) Rod Ø: 2.0461-2.0468" (51.971-51.990mm) Main Ø: 2.5185-2.5193" (63.971-63.990mm)	04152745, 20050551102 Bolt-on counterweights.
7534N	F2L511	Stroke: 4.134" (105.000mm) Rod Ø: 2.0461-2.0468" (51.971-51.990mm) Main Ø: 2.5185-2.5193" (63.971-63.990mm)	04152745, 20050551102 Integrated counterweights.
7521N	F2L912	Stroke: 4.724" (119.9896mm) Rod Ø: 2.3599-2.3606" (59.94146-59.95924mm) Main Ø: 2.4398-2.4405" (61.97092-61.9887mm)	02232854, 02929337, 04152591, 3371552, 20050591203 Without counterweights.
7523N	F3L912	Stroke: 4.724" (119.9896mm) Rod Ø: 2.3599-2.3606" (59.94146-59.95924mm) Main Ø: 2.4398-2.4405" (61.97092-61.9887mm)	02929338, 04152646, 210556, 2136928, 20050591203 Bolt-on counterweights.
7513N	F3L912	Stroke: 4.724" (119.9896mm) Rod Ø: 2.3599-2.3606" (59.94146-59.95924mm) Main Ø: 2.4398-2.4405" (61.97092-61.9887mm)	M2931044 New generation engine.
7524N	F4L912	Stroke: 4.724" (119.9896mm) Rod Ø: 2.3599-2.3606" (59.94146-59.95924mm) Main Ø: 2.4398-2.4405" (61.97092-61.9887mm)	02138819, 0292340, 04152903, 20050591204 Bolt-on counterweights.
7526N	F4L912	Stroke: 4.724" (119.9896mm) Rod Ø: 2.3599-2.3606" (59.94146-59.95924mm) Main Ø: 2.4398-2.4405" (61.97092-61.9887mm)	02929339, 20050591214 Bolt-on counterweights.

Part No.	Engine	Specification	Replace/Notes
7514N	F4L912	Stroke: 4.724" (119.9896mm) Rod Ø: 2.3599-2.3606" (59.94146-59.95924mm) Main Ø: 2.4398-2.4405" (61.97092-61.9887mm)	M2931048 New generation engine.
7525N	F5L912	Stroke: 4.724" (119.9896mm) Rod Ø: 2.3599-2.3606" (59.94146-59.95924mm) Main Ø: 2.4398-2.4405" (61.97092-61.9887mm)	M292378
7527N	F6L912	Stroke: 4.724" (119.9896mm) Rod Ø: 2.3599-2.3606" (59.94146-59.95924mm) Main Ø: 2.4398-2.4405" (61.97092-61.9887mm) Weight: 67 lbs.	02929342, 04151011, 2136993, 2136932, 20050591206 Bolt-on counterweights.
7515N	BF4L913	Stroke: 4.9213" (125.00102mm) Rod Ø: 2.5973-2.5980" (65.97142-65.9892mm) Main Ø: 2.9516-2.9524" (74.97064-74.99096mm)	M4150526
7516N	F4L913 BF4L913	Stroke: 4.9213" (125.00102mm) Rod Ø: 2.5973-2.5980" (65.97142-65.9892mm) Main Ø: 2.9516-2.9524" (74.97064-74.99096mm)	M2931050 New generation engine.
7517N	F5L913	Stroke: 4.921" (124.9934mm) Rod Ø: 2.3599-2.3610" (59.94146-59.9694mm) Main Ø: 2.7548-2.7555" (69.97192-69.9897mm)	M3018669
7518N	F6L913	Stroke: 4.921" (124.9934mm) Rod Ø: 2.3599-2.3610" (59.94146-59.9694mm) Main Ø: 2.7548-2.7555" (69.97192-69.9897mm)	M2139148
7532N	BF6L913 BF6L913C	Stroke: 4.9213" (125.00102mm) Rod Ø: 2.5973-2.5980" (65.97142-65.9892mm) Main Ø: 2.9516-2.9524" (74.97064-74.99096mm)	M2139405

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Part No.	Engine	Specification	Replace/Notes
7519N	F4L914 BF4L914	Stroke: 5.197" (132.000mm) Rod Ø: 2.5973-.5980" (65.971-65.990mm) Main Ø: 2.9516-2.9524" (74.971-74.990mm)	M2931492
7520N	F6L914 BF6L914	Stroke: 5.197" (132.000mm) Rod Ø: 2.5973-.5980" (65.971-65.990mm) Main Ø: 2.9516-2.9524" (74.971-74.990mm)	D2931400
7528N	F6L413F	Stroke: 5.118" (129.9972mm) Rod Ø: 2.9517-2.9528" (74.97318-75.00112mm) Main Ø: 3.7382-3.7397" (94.95028-3.7397mm)	M2422049
7522N	BF8L513 BF8L413F	Stroke: 5.118" (129.9972mm) Rod Ø: 2.9517-2.9528" (74.97318-75.00112mm) Main Ø: 3.7382-3.7397" (94.95028-3.7397mm)	M2144317
7542N	F3L1011 BF3L1011	Stroke: 4.1338" (104.99852mm) Rod Ø: 2.1642-2.1650" (54.97068-54.991mm) Main Ø: 2.7547-2.7555" (69.96938-69.9897mm)	M4270229 105mm hub.
7529N	F2L1011	Stroke: 4.409" (111.9886mm) Rod Ø: 2.1642-2.1650" (54.97068-54.991mm) Main Ø: 2.7547-2.7555" (69.96938-69.9897mm)	M2931735
7530N	F2L2011 F2L2011F	Stroke: 4.409" (111.9886mm) Rod Ø: 2.1642-2.1650" (54.97068-54.991mm) Main Ø: 2.7547-2.7555" (69.96938-69.9897mm)	M4270231
7531N	BF4M1012	Stroke: 4.134" (105.0036mm) Rod Ø: 2.1650-2.1660" (54.991-55.0164mm) Main Ø: 2.7555-2.7566" (69.9897-70.01764mm)	D2929934



7514N | Deutz®
F4L912

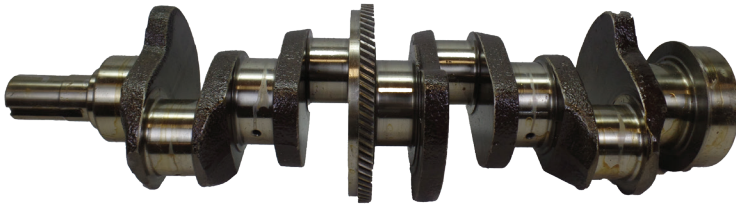


7527N | Deutz®
F6L912

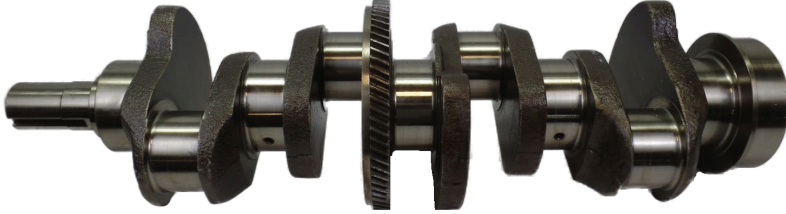
Part No.	Engine	Specification	Replace/Notes
DEUTZ			
7535N	BF4M1013	Stroke: 5.118" (129.9972mm) Rod Ø: 2.6764-2.6772" (67.98056-68.00088mm) Main Ø: 3.3457-3.3464" (84.98078-84.99856mm)	M2929962
7536N	BF6M1015	Stroke: 5.7087" (145.00098mm) Rod Ø: 3.4635-3.4641" (87.9729-87.98814mm) Main Ø: 4.0540-4.0546" (102.9716-102.98684mm)	D2931466
7537N	BF8M1015	Stroke: 5.7087" (145.00098mm) Rod Ø: 3.4635-3.4641" (87.9729-87.98814mm) Main Ø: 4.0540-4.0546" (102.9716-102.98684mm)	D2931466
FIAT			
1721N	8035.04	Stroke: 4.3307" (110.000mm) Rod Ø: 2.3122-2.3127" (58.730-58.743mm) Main Ø: 2.9995-3.0000" (76.187-76.200mm)	72094402V, 4785106
1731N	8045.04 8041.04	Stroke: 4.330" (109.982mm) Rod Ø: 2.3122-2.3127" (58.730-58.743mm) Main Ø: 2.9995-2.9999" (76.187-76.197mm) Flange: 7 bolt flange, 114mm rear seal Weight: 48.5 lbs.	312990681, 4785104, 4682232, 312906442, 4785103

Part No.	Engine	Specification	Replace/Notes
1606N	H843	Stroke: 3.310" (84.074 MM) Rod Ø: 1.8884-1.8888" (47.965-47.976 MM) Main Ø: 2.6755-2.6760" (67.958-67.970 MM) Weight: 25 lbs.	83941932, SBA115256260, SBA115256261 Used in New Holland 1710 compact utility tractors.
1574N	T853	Stroke: 3.940" (100.076mm) Rod Ø: 2.3602-2.3610" (59.949-59.969mm) Main Ø: 2.6750-2.6760" (67.945-67.97mm) Weight: 44 lbs.	83941938, SBA115256470, SBA115256471 Used in New Holland 1910 compact utility tractors.
1582N	120	Stroke: 3.750" (95.250mm) Rod Ø: 2.0935-2.0945" (53.175-53.200mm) Main Ø: 2.2480-2.2490" (57.099-57.125mm) Weight: 45 lbs.	83941938, SBA115256470, SBA115256471 Used in Ford 2N, 8N, & 9N tractors.
1583N	134 172G 192G	Stroke: 3.600" (91.44mm) Rod Ø: 2.2980-2.2988" (58.369-58.39mm) Main Ø: 2.4980-2.4988" (63.449-63.47mm) Neck: Splined, 1-Key Flange: Flat, 6-Bolt, 1-Dowel Weight: 65 lbs.	B9NN6303
1584N	144 172D 192D	Stroke: 3.600" (91.44mm) Rod Ø: 2.2980-2.2988" (58.369-58.39mm) Main Ø: 2.4980-2.4988" (63.449-63.47mm) Neck: Splined, 1-Key Flange: Flat, 6-Bolt, 1-Dowel Weight: 65 lbs.	EZJL6300BA, B9NN6302B NOTE: Has counterbalancer drive gear on center.
1586N	220	Stroke: 4.524-4.528" (114.91-115.011mm) Rod Ø: 2.4997-2.5005" (63.492-63.513mm) Main Ø: 3.0002-3.0010" (76.205-76.225mm) Neck: Straight, 1-Bolt, 1-Key, OAL: 3.015" (76.581mm) Flange: Flat, 6-Bolt, 1-Dowel Weight: 78 lbs.	E1ADDN6303F, E1ADDNND, E1ADDNN6303E, E1ADDN- N6303D Dagenham / Dorset diesel. Early model engines. See 1585N for late model engines.
1585N	220	Stroke: 4.524-4.528" (114.91-115.011mm) Rod Ø: 2.4997-2.5005" (63.492-63.513mm) Main Ø: 3.0002-3.0010" (76.205-76.225mm) Neck: Stepped, 1-Bolt, 1-Key, OAL: 2.772" (70.4088mm) Flange: Flat, 6-Bolt, 2-Dowel Weight: 77 lbs.	E1ADDN6306B Dagenham / Dorset diesel. Late model engines. See 1586N for early model engines.
1587N	220 BSD666	Stroke: 4.4000" Rod Ø: 2.7496-2.7504" Main Ø: 3.3713-3.3723" Neck: 1 Bolt Hole, 1 Keyway Flange: Flat, 6 Bolt Holes, 1 Dowel Hole Weight: 80 lbs.	713F6303AAA, 2701E6303 Dorset diesel

Part No.	Engine	Specification	Replace/Notes
1589N	158D 158G	Stroke: 3.801" (96.545mm) Rod Ø: 2.7496-2.7504" (69.840-69.860mm) Main Ø: 3.3713-3.3723" (85.631-85.656mm) Neck: 1-Bolt, 1-Key Flange: 6-Bolt, 1-Dowel Weight: 72 lbs.	C5NE6303N, F0NN63000PA
1590N	175D 192D BSD329	Stroke: 4.200" (106.68mm) Rod Ø: 2.7496-2.7500" (69.84-69.85mm) Main Ø: 3.3713-3.3723" (85.631-85.656mm) Neck: 1-Bolt, 1-Key Flange: Centering Ring, 6-Bolt, 1-Dowel Weight: 83 lbs.	E0NN6303AA, C5NE6303L, C5NE6303R, C5NE6305
1591N	183D 201D BSD333	Stroke: 4.400" (111.76mm) Rod Ø: 2.7496-2.7500" (69.84-69.85mm) Main Ø: 3.3713-3.3723" (85.631-85.656mm) Neck: 1-Bolt, 1-Key Flange: Centering Ring, 6-Bolt, 1-Dowel Weight: 101 lbs.	F0NN6303MA, C5NE6303N, C5TE6303, E5NN6306N
1595N76	233 256 BSD442	Stroke: 4.203" (106.756mm) Rod Ø: 2.6244-2.6252" (66.66-66.68mm) Main Ø: 3.3713-3.3723" (85.631-85.656mm) Neck: 1-Bolt, 1-Key Flange: Centering Ring, 6-Bolt, 1-Dowel Weight: 105 lbs.	C5NE6303K Includes "M" style, 76-tooth balancer drive gear.
1595N78	233 256 BSD442	Stroke: 4.203" (106.756mm) Rod Ø: 2.6244-2.6252" (66.66-66.68mm) Main Ø: 3.3713-3.3723" (85.631-85.656mm) Neck: 1-Bolt, 1-Key Flange: Centering Ring, 6-Bolt, 1-Dowel Weight: 105 lbs.	C5NE6303K Includes "M" style, 78-tooth balancer drive gear.
1598N76	268 BSD444	Stroke: 4.400" (111.76mm) Rod Ø: 2.7496-2.7504" (69.84-69.86mm) Main Ø: 3.3713-3.3723" (85.631-85.656mm) Neck: 1-Bolt, 1-Key Flange: Centering Ring, 6-Bolt, 1-Dowel Weight: 103 lbs.	E5NN6303DA, E5NN6303FA, D9NN6303AA, E5NN-6303CA, D9NN6303A Includes "M" style, 76-tooth balancer drive gear.
1598N78	268 BSD444	Stroke: 4.400" (111.76mm) Rod Ø: 2.7496-2.7504" (69.84-69.86mm) Main Ø: 3.3713-3.3723" (85.631-85.656mm) Neck: 1-Bolt, 1-Key Flange: Centering Ring, 6-Bolt, 1-Dowel Weight: 103 lbs.	E5NN6303DA, E5NN6303FA, D9NN6303AA, E5NN-6303CA, D9NN6303A Includes "M" style, 78-tooth balancer drive gear.
1614N	304 BSD450	Stroke: 5.0000" (127.000mm) Rod Ø: 2.7490-2.7504" (69.825-69.860mm) Main Ø: 3.3713-3.3723" (85.631-85.656mm) Weight: 79 lbs.	E9NN6303DB



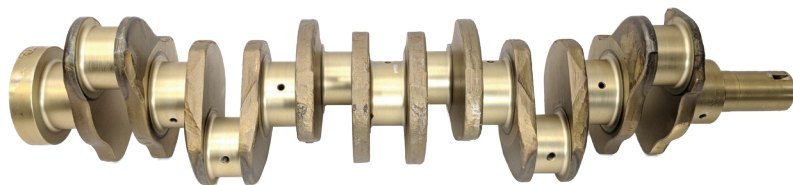
1595N76 | Ford®
233, 256, BSD442



1598N78 | Ford®
268, BSD444

Part No.	Engine	Specification	Replace/Notes
1592N	401 BSD666	Stroke: 4.400" (111.76mm) Rod Ø: 2.7496-2.7504" (69.84-69.86mm) Main Ø: 3.3713-3.3723" (85.631-85.656mm) Neck: 1-Bolt, 1-Key Flange: Flat, 6-Bolt, 1-Dowel Weight: 135 lbs.	E3HN6303AA, E3HN6303AB, E6HN6303CB, E6HN6303CC, C7NN6303, C7NN6303A
1605N	6.0L	Stroke: 4.1340" (105.000mm) Rod Ø: 2.7160-2.7170" (68.99-69.01mm) Main Ø: 3.1885-3.1895" (80.987-81.013mm) Weight: 79 lbs.	3C3Z-6303-AARM F-series truck applications '02-'07.
1602N	6.4L	Stroke: 4.1340" (105.000mm) Rod Ø: 2.8341-2.8351" (71.987-72.013mm) Main Ø: 3.1885-3.1895" (80.987-81.013mm) Neck: Stepped, 4-Bolt, 1-Dowel Flange: 6-Bolt Weight: 71	1000197420 F-series truck applications '08-'10.
1617N	6.7L	Stroke: 4.2510" (108.000mm) Rod Ø: 2.8330-2.8340" (71.983-72.003mm) Main Ø: 3.1880-3.1890" (80.983-81.003mm) Weight: 81 lbs.	RFBC30-AB F-series truck applications '11-'16.
1620N	ECOTORQ, 9.0L	Stroke: 72X2 Rod Ø: 95mm Main Ø: 81mm Neck: 7 bolt Flange: 7 bolt, 1 dowel Lip seal Weight: 150 lbs.	FH1-6302-AA
1626N	ECOTORQ, 12.7L	Stroke: 80X2 Rod Ø: 93mm Main Ø: 112mm Weight: 330 lbs.	GC46-6303-AB

Part No.	Engine	Specification	Replace/Notes
6750N	C60	Stroke: 2.750" (69.85mm) Rod Ø: 1.4980-1.4990" (38.049-38.075mm) Main Ø: 1.6230-1.6240" (41.224-41.25mm) Weight: 35 lbs.	353743R93, 251264R1, 357247R1
6760N	BD144 BD154 G164	Stroke: 4.000" (101.600mm) Rod Ø: 1.749-1.750" (44.425-44.450mm) Main Ø: 2.124-2.125" (53.950-53.975mm) Neck: Threaded, 2-Key Flange: 4-Bolt, 2-Dowel Weight: 38 lbs.	353743R93, 251264R1, 357247R1
6797N	D155	Stroke: 4.38" Rod Ø: 2.519" Main Ø: 3.149" Neck: 3 Bolt Holes Flange: Lip Seal, 7 bolt holes, 1 dowel Weight: 58 lbs.	305950R1 Small Throws
6713N	D206	Stroke: 4.380" (111.252mm) Rod Ø: 2.5185-2.5193" (63.9699-63.99022mm) Main Ø: 3.1485-3.1492" (79.9719-79.98968mm) Neck: Straight, 3-Bolt Flange: Flat, 7-Bolt, 1-Dowel Weight: 83 lbs.	3055787R92, 32889-R2, 3132889R2, 3132889R1, 3132968R93 Center Gear: 0.3937" (10.00mm) wide, helical, 80-tooth (included but not installed).
6719N	D239 DT239 D246	Stroke: 5.059" (128.499mm) Rod Ø: 2.5185-2.5193" (63.97-63.99mm) Main Ø: 3.1484-3.1492" (79.969-79.99mm) Neck: Straight, 3-Bolt, 1-Key Flange: 7-Bolt, 1-Dowel Weight: 81 lbs.	313276243R92, 3144624R92, 3132982R94, 3144626R92, 182752R2, 2744406R1, 3132752R3
6793N	D268 DT268	Stroke: 5.500" (137.9mm) Rod Ø: 2.5185-2.5193" (63.97-63.99mm) Main Ø: 3.1485-3.1492" (79.9719-79.98968mm) Neck: Straight, 3-Bolt Flange: Flat, 7-Bolt, 1-Dowel Weight: 91 lbs.	3228376R91, A097292, 528R279, 218528R1, 218528R2, 218528R3, 3218528R1 Includes straight, 90-tooth center gear.
6791N	D358 DT358	Stroke: 5.059" (128.499mm) Rod Ø: 2.5185-2.5193" (63.97-63.99mm) Main Ø: 3.1484-3.1492" (79.969-79.99mm) Neck: 3-Bolt Flange: 7-Bolt, 1-Dowel Weight: 150 lbs.	3059514R1, 3136036R95
6799N	Navistar D360 DT360	Stroke: 5.085" (129.159mm) Rod Ø: 2.9977-2.9990" (76.142-76.175mm) Main Ø: 3.3742-3.3755" (85.705-85.738mm) Neck: 3-Bolt, 1-Key Flange: 8-Bolt Weight: 83 lbs.	1809953C91, 1809954C1 Truck applications only.



6732N | International®
D466, DT466, DT466B, DT466C

Part No.	Engine	Specification	Replace/Notes
5734N	C-240 4-390 4T-390	Stroke: 4.724" (119.99mm) Rod Ø: 2.7160-2.7170" (68.986-69.012mm) Main Ø: 3.2672-3.2682" (82.987-83.012mm) Neck: 4-Bolt, 1-Key Flange: 8-Bolt Weight: 93 lbs.	3903827, 3907803, 3929036, J908031, J918323
5733N	6-590 6T-590	Stroke: 4.724" (119.99mm) Rod Ø: 2.7160-2.7170" (68.986-69.012mm) Main Ø: 3.2672-3.2682" (82.987-83.012mm) Neck: 4-Bolt, 1-Key Flange: Flat, 8-Bolt Weight: 128 lbs.	3907804, 3929037, 3907604, 3908032 Not compatible with applications using bolt-on crankshaft speed sensor.
6730N	D414 DT414	Stroke: 4.750" (120.65mm) Rod Ø: 2.9977-2.9990" (76.142-76.175mm) Main Ø: 3.3742-3.3755" (85.705-85.738mm) Neck: Straight, 3-Bolt, 1-Key Flange: 8-Bolt Weight: 200 lbs.	675050C1, 675668C92
6731N	D436 DT436	Stroke: 5.004" (128.016mm) Rod Ø: 2.9977-2.9990" (76.142-76.175mm) Main Ø: 3.3742-3.3755" (85.705-85.738mm) Neck: Straight, 3-Bolt, 1-Key Flange: 8-Bolt Weight: 180 lbs.	675051C1, 675663C92
6732N	Navistar D466 DT466 DT466B DT466C	Stroke: 5.350" (128.499mm) Rod Ø: 2.9977-2.9990" (76.142-76.175mm) Main Ø: 3.3742-3.3755" (85.705-85.738mm) Neck: Straight, 3-Bolt, 1-Key Flange: 8-Bolt Weight: 200 lbs.	675669C93, 675591C2, 1816975C1, 675591C1, 675591C, 675591C3, 675591C4 For mechanical injection engines up to 1994. Truck and Agricultural applications.
6736N	Navistar DT466E DT466NGD	Stroke: 5.3504" (135.900mm) Rod Ø: 3.1494-3.1506" (79.995-80.025mm) Main Ø: 3.5344-3.5356" (89.774-89.804mm) Neck: Straight, 3-Bolt, 1-Dowel, 1-Key Flange: Centering Ring, 12-Bolt, 1-Dowel Weight: 200 lbs.	1830596C91 For New Generation Diesel engines with electronic injection from 1995-2000.
6775N	Navistar MaxxForce 7.2L	Stroke: 68.5X2 Rod Ø: 63 Main Ø: 86 Neck: 4 bolt Flange: 8 Bolt, Lip seal Weight: 150 lbs.	7000412C19



9808N | Isuzu®
4JB1



9899N | Isuzu®
4HK1

Part No.	Engine	Specification	Replace/Notes
9810N	4BD1	Stroke: 4.646" (118.008mm) Rod Ø: 2.5167-2.5175" (63.924-63.945mm) Main Ø: 3.1462-3.1471" (79.913-79.936mm)	
9899N	4HK1	Stroke: 4.9213" (125.000mm) Rod Ø: 2.5945-2.5953" (65.902-65.922mm) Main Ø (1,2,4,5): 3.2246-3.2254" (81.905-81.925mm) Main Ø (3): 3.2241-3.2248" (81.891-81.911mm) Weight: 89 lbs.	
9808N	4JB1	Stroke: 4.016" (102.006mm) Rod Ø: 2.0833-2.0839" (52.916-52.931mm) Main Ø: 2.7526-2.7532" (69.916-69.931mm)	Intended for use in the 4.239 engines, ESN 769620 and up, with 2.36" (60mm) neck.
9806N	4JB1	Stroke: 4.016" (102.006mm) Rod Ø: 2.0833-2.0839" (52.916-52.931mm) Main Ø: 2.7526-2.7532" (69.916-69.931mm)	
9806N	5785 6130 6BD1 6BF1	Stroke: 4.64" Rod Ø: 2.517" Main Ø: 3.147" Neck: Threaded, 1 keyway Flange: 6 bolts, 1 dowel Weight: 220 lbs.	1123104370

Part No.	Engine	Specification	Replace/Notes
7990N	3TNE84 3TNV84/T 3TNE88 3TNV88	Stroke: 3.543" (90.000mm) Rod Ø: 1.8879-1.8883" (47.952-47.962mm) Main Ø: 2.1240-2.1245" (53.952-53.962mm) Neck: 1-Bolt, 2-Key Flange: Flat, 6-Bolt, 1-Dowel Weight: 30 lbs.	Y129001-21100
7985N	3T84 3T90	Stroke: 3.5433" (91.000mm) Rod Ø: 2.1240-2.1244" (53.95-53.96mm) Main Ø: 2.7540-2.7550" (69.951-69.977mm) Neck: Stepped, 2 key Ways, 1 Bolt Flange: Flat Seal, 6 Bolt, 1 Dowel Weight: 49 lbs.	721250-21700. CS-384, CH10676, CH20055
7935N	78 3T80	Stroke: 3.346" (84.999mm) Rod Ø: 1.9665-1.9669" (49.949-49.959mm) Main Ø: 2.7539-2.7543" (69.949-69.959mm) Weight: 34 lbs.	3T80, 721150-21700, CH10659
7994N	4TNE84/T 4TNV84/T 4TNE88 4TNV88	Stroke: 3.543" (90.000mm) Rod Ø: 1.8879-1.8883" (47.952-47.962mm) Main Ø: 2.1240-2.1245" (53.952-53.962mm) Neck: Straight, 1-Bolt, 2-Key Flange: Flat, 6-Bolt, 1-Dowel Weight: 35 lbs.	Y129407-21000, AM881224, AM878619 Intended for use in non-balanced applications. Crankshaft not designed to accept balancer gear.
6833N	3.152 3.164 3.179D 3.029D 3.179T 3.029T	Stroke: 4.328" (109.931mm) Rod Ø: 2.7480-2.7490" (69.799-69.825mm) Main Ø: 3.1230-3.1240" (79.324-79.35mm) Neck: 1-Bolt, 1-Key Flange: 4-Bolt, 1-Dowel Weight: 75 lbs.	AT18031, T23516, T20031, RE46896 Intended for use in the 3029 liter designated engine series. Not the 2.9L PowerTech™ engine series
6826N	4.202 4.219 4.239D 4.239T	Stroke: 4.330" (109.982mm) Rod Ø: 2.7480-2.7490" (69.799-69.825mm) Main Ø: 3.1236-3.1244" (79.339-79.36mm) Neck: 1-Bolt, 1-Key, OAL: 1.42" (36mm) Flange: 4-Bolt, 1-Dowel Weight: 98 lbs.	AT18030, R23517, R81959, R94644, RE48748 Intended for use in the 4.239 engines, ESN up to 769619, with 1.42" (36mm) neck.
6851N	4.239D 4.039D 4.239T 4.039T	Stroke: 4.330" (109.982mm) Rod Ø: 2.7480-2.7490" (69.799-69.825mm) Main Ø: 3.1236-3.1244" (79.339-79.36mm) Neck: 1-Bolt, 1-Key, OAL: 2.36" (60mm) Flange: 4-Bolt, 1-Dowel Weight: 101 lbs.	R23909, R97926, R97928, R121018, R81959, R979266, RE20585, RE65224 Intended for use in the 4.239 engines, ESN 769620 and up, with 2.36" (60mm) neck.
6813N	4.276D 4.045D 4.276T 4.045T	Stroke: 5.000" (127mm) Rod Ø: 3.0630-3.0640" (77.8-77.826mm) Main Ø: 3.1229-3.1240" (79.324-79.350mm) Neck: 1-Bolt, OAL: 1.42" (36mm) Flange: 4-Bolt, 1-Dowel Weight: 113 lbs.	RE56792, RE71439, R54501 Intended for engines with 1.42" (36mm) neck. Intended for use in the 4.045 liter designated engine series. Not the 4.5L PowerTech™ engine series.

FIG. #1



TAPERED NOSE

4-CYL. 6862N
6-CYL. 6860N

FIG. #2



DOUBLE-STEP NOSE

4-CYL. 6861N
6-CYL. 6859N

FIG. #3

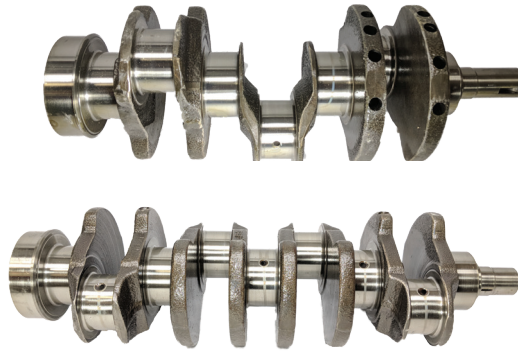


SINGLE-STEP NOSE

4-CYL. 6858N

Part No.	Engine	Specification	Replace/Notes
6852N	4.276D 4045D 4.276T 4045T	Stroke: 5.000" (127mm) Rod Ø: 3.0630-3.0640" (77.8-77.826mm) Main Ø: 3.1229-3.1240" (79.324-79.350mm) Neck: 1-Bolt, OAL: 2.36" (60mm) Flange: 4-Bolt, 1-Dowel Weight: 113 lbs.	RE54883, RE33485, R90825, R120009 Intended for engines with 2.36" (60mm) neck. Intended for use in the 4045 liter designated engine series. Not the 4.5L PowerTech™ engine series.
6837N	6.303 6.329 6.359D 6059D 6.359T 6059T	Stroke: 4.330" (109.982mm) Rod Ø: 2.7480-2.7490" (69.799-69.825mm) Main Ø: 3.1236-3.1244" (79.339-79.36mm) Neck: 1-Bolt, 1-Key Flange: 4-Bolt, 1-Dowel Weight: 122 lbs.	AT22562, R108568, T23266, R108679, R45541, RE502190
6820N	6.414D 6068D 6.414T 6068T	Stroke: 5.000" (127mm) Rod Ø: 3.0630-3.0640" (77.8-77.826mm) Main Ø: 3.1229-3.1240" (79.324-79.350mm) Neck: 1-Bolt Flange: 4-Bolt, 1-Dowel Weight: 121 lbs.	RE45517, R54619, RE33687, RE502191 Intended for use in the 6068 liter designated engine series. Not the 6.8L PowerTech™ engine series.
6809N	4.254 4.270	Stroke: 4.750" (120.65mm) Rod Ø: 2.9980-2.9990" (76.149-76.175mm) Main Ø: 3.3715-3.3725" (85.636-85.662mm) Neck: 1-Bolt, 1-Key Flange: Flat, 4-Bolt, 2-Dowel Weight: 125 lbs.	AR26428, R40570, R26540 Verify flange configuration when ordering. Intended for use in the 4.270 engines, ESN up to 280000. Balancer drive gear included.
6841N	4.270	Stroke: 4.750" (120.65mm) Rod Ø: 2.9980-2.9990" (76.149-76.175mm) Main Ø: 3.3715-3.3725" (85.636-85.662mm) Neck: 1-Bolt, 1-Key Flange: Centering Ring, 4-Bolt, 1-Dowel Weight: 125 lbs.	AR40485, R40570, R46498 Verify flange configuration when ordering. Intended for use in the 4.270 engines, ESN 280001 and up. Balancer drive gear included.
6822N	6.381 6.404D	Stroke: 4.750" (120.65mm) Rod Ø: 2.9980-2.9990" (76.149-76.175mm) Main Ø: 3.3715-3.3725" (85.636-85.662mm) Neck: 1-Bolt Flange: Flat, 4-Bolt, 1-Dowel Weight: 160 lbs.	RE42674, AR26431, R26560, RE63292 Intended for use in the 6.404 engine, ESN up to 214999. Includes oil pump drive gear.
6823N	6.404D 6.404T 6.404A 6.466D 6.466T 6.466A 6076 Series	Stroke: 4.750" (120.65mm) Rod Ø: 2.9980-2.9990" (76.149-76.175mm) Main Ø: 3.3715-3.3725" (85.636-85.662mm) Neck: 1-Bolt, 2-Key Flange: Centering Ring, 6-Bolt, 1-Dowel Weight: 160 lbs.	AR96189, R26540, R26560, R56919, R56934, RE63451, RE53422 Intended for use in the 6.404 engine, ESN 215000 and up. Intended for use in the 6076 engine, ESN up to 187657.

Part No.	Engine	Specification	Replace/Notes
6823N	6.466D 6.466T 6.466A 6076 Series	Stroke: 4.750" (120.65mm) Rod Ø: 2.9980-2.9990" (76.149-76.175mm) Main Ø: 3.3715-3.3725" (85.636-85.662mm) Neck: 1-Bolt, 2-Key Flange: Centering Ring, 6-Bolt, 1-Dowel Weight: 160 lbs.	AR96189, R26540, R26560, R56919, R56934, RE63451, RE53422 Intended for use in the 6076 engine, ESN up to 187657.
6855N	6076T 6076A 6076H	Stroke: 4.750" (120.65mm) Rod Ø: 2.9980-2.9990" (76.149-76.175mm) Main Ø: 3.3720-3.3730" (85.649-85.674mm) Neck: 1-Bolt, 2-Key OAL: 3.4" (86.36mm) Flange: Centering Ring, 6-Bolt, 1-Dowel Weight: 167 lbs.	RE53201, R104855, RE42671, RE63293 Intended for use in the 6076 engine, ESN 187658 and up. Neck is 3.4" (86.36mm) from shoulder of the first main. Includes oil pump drive gear.
6857N	6076T 6076A 6076H	Stroke: 4.750" (120.65mm) Rod Ø: 2.9980-2.9990" (76.149-76.175mm) Main Ø: 3.3720-3.3730" (85.649-85.674mm) Neck: 1-Bolt, 2-Key, OAL: 3" (76.2mm) Flange: Centering Ring, 6-Bolt, 1-Dowel Weight: 167 lbs.	RG23551, RE53199 Intended for use in the 6076 engine, ESN 187658 and up. Neck is 3" (76.2mm) from shoulder of the first main. Includes oil pump drive gear.
6821N	6.619A 6.619T 6.101A 6.101T 6.531D 6.531T 6.531A	Stroke: 5.000" (127.000mm) Rod Ø: 3.4980-3.4990" (88.849-88.875mm) Main Ø: 3.7480-3.7490" (95.199-95.225mm) Neck: 1-Bolt Flange: 6-Bolt, 2-Dowel Weight: 265 lbs.	AR92533, AR36350, AR47403, AR69264, AR78403, R36350, R57730, R63476, R63478
6897N	PowerTech 3029 2.9L	Stroke: 4.328" (109.931mm) Rod Ø: 2.7480-2.7490" (69.799-69.825mm) Main Ø: 3.1230-3.1240" (79.324-79.35mm) Neck: 1-Bolt, 1-Key Flange: 4-Bolt, 1-Dowel Weight: 74 lbs.	RE50979 R101223, RE521348 Intended for use in the 3029 2.9L PowerTech™ engine series
6858N	PowerTech 4045 4.5L	Stroke: 5.000" (127mm) Rod Ø: 3.0630-3.0640" (77.8-77.826mm) Main Ø: 3.1229-3.1240" (79.324-79.350mm) Neck: Straight, Single Step, 4-Bolt, 1-Dowel Flange: 4-Bolt, 1-Dowel Weight: 107 lbs.	RE504638, RE50618, R113596 Single step, straight nose (FIG # 3). Intended for use in the 4045 4.5L PowerTech™ engine series.
6861N	PowerTech 4045 4.5L	Stroke: 5.000" (127mm) Rod Ø: 3.0630-3.0640" (77.8-77.826mm) Main Ø: 3.1229-3.1240" (79.324-79.350mm) Neck: Straight, Double Step, 4-Bolt, 1-Dowel Flange: 4-Bolt, 1-Dowel Weight: 107 lbs.	R113596 Double step, straight nose (FIG # 2). Intended for use in the 4045 4.5L PowerTech™ engine series.
6862N	PowerTech 4045 4.5L	Stroke: 5.000" (127mm) Rod Ø: 3.0630-3.0640" (77.8-77.826mm) Main Ø: 3.1229-3.1240" (79.324-79.350mm) Neck: Tapered, 1-Bolt, 1-Dowel Flange: 4-Bolt, 1-Dowel Weight: 107 lbs.	RE506195, R503715 Tapered nose. (FIG # 1) Intended for use in the 4045 4.5L PowerTech™ engine series.



6897N | John Deere®
3029, 2.9D, 2.9T

6826N | John Deere®
4.202, 4.219, 4.239D, 4.239T

Part No.	Engine	Specification	Replace/Notes
6859N	PowerTech 6068 6.8L	Stroke: 5.000" (127mm) Rod Ø: 3.0630-3.0640" (77.8-77.826mm) Main Ø: 3.1229-3.1240" (79.324-79.350mm) Neck: Straight, Double Step, 4-Bolt, 1-Dowel Flange: 6-Bolt, 1-Dowel Weight: 150 lbs.	R116076, RE504639, RE515785 Straight nose. (FIG # 2) Intended for use in the 6068 6.8L PowerTech™ engine series.
6860N	PowerTech 6068 6.8L	Stroke: 5.000" (127mm) Rod Ø: 3.0630-3.0640" (77.8-77.826mm) Main Ø: 3.1229-3.1240" (79.324-79.350mm) Neck: Tapered, 1-Bolt, 1-Key Flange: 6-Bolt, 1-Dowel Weight: 150 lbs.	RE505921, R503470 Tapered nose. (FIG # 1) Intended for use in the 6068 6.8L PowerTech™ engine series
6869N	PowerTech 6081 Series 8.1L	Stroke: 5.059" (127.000mm) Rod Ø: 2.9980-2.9990" (76.149-76.175mm) Main Ø: 3.7480-3.7491" (95.199-95.227mm) Neck: Straight, 1-Bolt, 2-Key Flange: Centering Ring, 6-Bolt, 1-Dowel Weight: 165 lbs.	RE535300, RE55522, R35502, RE530437 For engines with high-pressure common rail fuel systems. Intended for use in the 6081 8.1L PowerTech™ engine series, ESN 142157 and up. Both gears are straight-tooth.
6899N	PowerTech 6081 Series 8.1L	Stroke: 5.059" (127.000mm) Rod Ø: 2.9980-2.9990" (76.149-76.175mm) Main Ø: 3.7480-3.7491" (95.199-95.227mm) Neck: Straight, 1-Bolt, 2-Key Flange: Centering Ring, 6-Bolt, 1-Dowel Weight: 165 lbs.	RE534314 DO NOT use in engines with high-pressure common rail fuel systems. Intended for use in the 6081 8.1L PowerTech™ engine series, ESN up to 142156. Both gears are helical tooth.
6890N	PowerTech 6090 Series 9.0L	Stroke: 5.059" (127.000mm) Rod Ø: 2.9980-2.9990" (76.149-76.175mm) Main Ø: 3.7480-3.7491" (95.199-95.227mm) Flange: 6-Bolt, 1-Dowel Weight: 225 lbs.	RE540429, R526075 Intended for use in the 6090 9.0L PowerTech™ engine series.
6891N	PowerTech 6090 Series 9.0L	Stroke: 5.059" (127.000mm) Rod Ø: 2.9980-2.9990" (76.149-76.175mm) Main Ø: 3.7480-3.7491" (95.199-95.227mm) Flange: 10-Bolt, 1-Dowel Weight: 225 lbs.	RE548603, R525587, RE533517 Intended for use in the 6090 9.0L PowerTech™ engine series.

Part No.	Engine	Specification	Replace/Notes
6999N	4D95 S4D95 S4D95L	Stroke: Variable, see REPLACES section for options Rod Ø: 2.2441-2.2447" (57.000-57.015mm) Main Ø: 2.7559-2.7565" (70.000-70.015mm) Neck: 1-Bolt Flange: 6-Bolt, 1-Dowel Weight: 56 lbs.	6207-31-1201 Stroke: 3.7401" (95.00mm)
6998N	4D95 S4D95 S4D95L	Stroke: Variable, see REPLACES section for options Rod Ø: 2.2441-2.2447" (57.000-57.015mm) Main Ø: 2.7559-2.7565" (70.000-70.015mm) Neck: 1-Bolt Flange: 6-Bolt, 1-Dowel Weight: 56 lbs.	6204-31-1110, 6204-31-1200 Stroke: 4.5276" (115.00mm)
5734N	4D102	Stroke: 4.724" (119.99mm) Rod Ø: 2.7160-2.7170" (68.966-69.012mm) Main Ø: 3.2672-3.2682" (82.987-83.012mm) Neck: 4-Bolt, 1-Key Flange: 8-Bolt Weight: 93 lbs.	3903827, 3907803, 3929036, 3908031, J908031, J918323, 9P902418
6901N	4D120 4D130	Stroke: 6.299" (159.995mm) Rod Ø: 2.9505-2.9515" (74.943-74.968mm) Main Ø: 3.7370-3.7380" (94.920-94.945mm) Weight: 190 lbs.	6110-33-1112, 6115-31-1110
6908N	6D95 S6D95	Stroke: 4.5276" (115.00mm) Rod Ø: 2.2441-2.2447" (57.000-57.015mm) Main Ø: 2.7559-2.7565" (70.000-70.015mm) Neck: 1-Bolt, 1-Key Flange: Flat, 6-Bolt, 1-Dowel Weight: 105 lbs.	6206-31-1110, 6207-31-1110, 6207-31-1100 Only for engines with stroke: 4.5276" (115.00mm)
5733N	6D102	Stroke: 4.724" (119.99mm) Rod Ø: 2.7160-2.7170" (68.986-69.012mm) Main Ø: 3.2672-3.2682" (82.987-83.012mm) Neck: 4-Bolt, 1-Key Flange: 8-Bolt Weight: 128 lbs.	3907804, 3929037, 3907604, 3908032 Not compatible with applications using bolt-on sensor.
6902N	6D105 S6D105	Stroke: 4.921" (124.993mm) Rod Ø: 2.5957-2.5965" (65.931-65.951mm) Main Ø: 3.3426-3.3445" (84.902-84.95mm) Neck: 1-Bolt, 1-Key Flange: Flat, 6-Bolt Weight: 148 lbs.	6136-31-1110, 6138-31-1110

Part No.	Engine	Specification	Replace/Notes
5735N	6D114	Stroke: 5.3150" (135.001mm) Rod Ø: 2.9916-2.9926" (75.987-76.012mm) Main Ø: 3.8568-3.8588" (97.963-98.014mm) Neck: Straight, 4-Bolt, 1-Key Flange: 8-Bolt, 1-Dowel Weight: 174 lbs.	3917320, 3917443 3918986, 390562, 3914584, 728533 Left-hand helical, 42-tooth front gear.
6909N	S6D125	Stroke: 5.905" (149.987mm) Rod Ø: 3.1468-3.1476" (79.930-79.950mm) Main Ø: 4.3279-4.3287" (109.930-109.950mm) Weight: 275 lbs.	6151-31-1110
6905N	6D140	Stroke: 6.490" (149.987mm) Rod Ø: 3.5406-3.5413" (89.931-89.949mm) Main Ø: 4.7217-4.7224" (119.931-119.949mm) Weight: 345 lbs.	6211-31-1010
6900N	6D155	Stroke: 6.693" (170.00mm) Rod Ø: 3.8583" (98.00mm) Main Ø: 4.1732" (106.00mm) Weight: 540 lbs.	6127-31-1012, 6127-31-1011, 6127-31-1114
6907N	6D170	Stroke: 6.693" (170.00mm) Rod Ø: 4.2512-4.2520" (107.98-108.001mm) Main Ø: 5.5108-5.5118" (139.974-140.00mm) Weight: 560 lbs.	6162-33-1131, 6162-33-1402
6920N	S6D170	Stroke: 6.693" (170.00mm) Rod Ø: 4.2512-4.2520" (107.98-108.001mm) Main Ø: 5.5108-5.5118" (139.974-140.00mm) Weight: 560 lbs.	6162-33-1201, 6162-33-1202
6921N	SAA6D170	Stroke: 6.693" (170.00mm) Rod Ø: 4.2511-4.2520" (107.978-108.000mm) Main Ø: 5.5108-5.5118" (139.975-140.000mm) Weight: 560 lbs.	6240-31-1101, 6240-31-1301
6922N	SAA6D170E-5	Stroke: 6.693" (170.00mm) Rod Ø: 4.2512-4.2520" (107.98-108.001mm) Main Ø: 5.5108-5.5118" (139.974-140.00mm) Weight: 560 lbs."	6245-31-1100, 6245-31-1301

Part No.	Engine	Specification	Replace/Notes
KUBOTA			
7544N	D1301	Stroke: 3.230" (82.042mm) Rod Ø: 1.7307-1.7313" (43.96-43.975mm) Main Ø: 2.0441-2.0449" (51.92-51.94mm)	1532-23010
7545N	V1903 V2003	Stroke: 3.638" (92.405mm) Rod Ø: 1.8488-1.8494" (46.96-46.975mm) Main Ø: 2.0441-2.0449" (51.92-51.94mm)	17116-2301
MACK			
7005N	E6-Series	Stroke: 6.000" (152.40mm) Rod Ø: 2.9970-2.9990" (76.124-76.175mm) Main Ø: 3.9980-3.9990" (101.549-101.575mm) Weight: 251 lbs.	456GC5113, 456GCF586
7021N	E7-Series	Stroke: 6.500" (165.1mm) Rod Ø: 3.2470-3.2480" (82.474-82.499mm) Main Ø: 4.4966-4.4974" (114.214-114.234mm) Neck: Straight, 1-Bolt Flange: Flat, 6-Bolt, 1-Dowel Weight: 290 lbs.	456CFG5128, 456CFG5137
7025N	MP8	Stroke: 6.220" (158.00mm) Rod Ø: 3.8976" (99.00mm) Main Ø: 4.2511-4.2520" (107.978-108.000mm)	20486222
MITSUBISHI			
5456N	S4K	Stroke: 5.118" (129.997mm) Rod Ø: 2.3600-2.3608" (59.944-59.964mm) Main Ø: 3.5410-.5420" (89.941-89.967mm) Neck: Threaded, 2-Key Flange: Flat, 6-Bolt, 2-Dowel Weight: 95 lbs.	5I7844, 5I5610, 5I5611, 135-2419 NOTE: Helical style gear.
5410N4	S4S	Stroke: 4.7244" (120.00mm) Rod Ø: 2.2817-2.2823" (57.955-57.970mm) Main Ø: 3.0691-3.0697" (77.955-77.970mm) Neck: Threaded, 1-Key Flange: Lip Seal, 4-Bolt & 6-Bolt Available Weight: 68 lbs.	32A20-00010 4-Bolt rear flange
5410N6	S4S	Stroke: 4.7244" (120.00mm) Rod Ø: 2.2817-2.2823" (57.955-57.970mm) Main Ø: 3.0691-3.0697" (77.955-77.970mm) Neck: Threaded, 1-Key Flange: Lip Seal, 4-Bolt & 6-Bolt Available Weight: 68 lbs.	32A20-00010 6-Bolt rear flange
5411N	S6S	Stroke: 4.7244" (120.00mm) Rod Ø: 2.2817-2.2823" (57.955-57.970mm) Main Ø: 3.0691-3.0697" (77.955-77.970mm) Neck: Threaded, 2-Key Flange: 6-Bolt, 2-Dowel Weight: 125 lbs.	32B20-10010, 107-0922
8882N	S12R	Stroke: 90X2 Rod Ø: 125mm Main Ø: 170mm Weight: 1037 lbs.	38E20-0010, 37720-10011, 37720-10012, 37720-10013, 37720-10V96, 37720-101V3 Special Order
8884N	S16R	Stroke: 4.7244" (120.00mm) Rod Ø: 2.2817-2.2823" (57.955-57.970mm) Main Ø: 3.0691-3.0697" (77.955-77.970mm) Weight: 1257 lbs.	38F20-00101, 37820-10011, 37820-20010, 37820-20013 Special Order

Part No.	Engine	Specification	Replace/Notes
7406N	4.99 4.107 4.108	Stroke: 3.500" (88.900mm) Rod Ø: 1.9993-2.0001" (79.930-79.950mm) Main Ø: Front & Center: 2.2480-2.2485" (57.099-57.112mm) Main Ø: Rear: 2.2475-2.2480" (57.087-57.099mm) Neck: 1-Bolt, 2-Key Flange: Flat, 5-Bolt, Rope Seal Weight: 46 lbs.	31315824, 84417, U5BG0056, ZZ90022, ZZ90124, ZZ90160 2 key neck, Rope seal NOTE: Flange has minimum size pilot opening. Can be machined out to accomodate various applications.
7404N	3.152	Stroke: 5.000" (127.000mm) Rod Ø: 2.2484-2.2492" (57.109-57.13mm) Main Ø: 2.7485-2.7493" (69.812-69.832mm) Neck: Keyed, 1-Bolt Flange: Flat, 6-Bolt, 1-Dowel, Rope Seal Weight: 52 lbs.	026005M1, 735287M91, 736532M91, 3637454M91, 31312419, 84402, 31312436, 31312441 SD260034, 31312700, 467, 82892, U5BG0031, ZZ90148, ZZ90084, ZZ90116 Keyed neck, rope seal. Bolt-on counterweights (not included).
7424N	3.152	Stroke: 5.000" (127.000mm) Rod Ø: 2.2484-2.2492" (57.109-57.13mm) Main Ø: 2.7485-2.7493" (69.812-69.832mm) Neck: Splined, 1-Bolt, 1-Key, 3.400" (86.36mm) OAL Flange: Flat, 6-Bolt, 1-Dowel, Rope Seal Weight: 52 lbs.	31312437, 84399 Splined neck Rope seal Neck OAL: 3.400" (86.36mm), Keyway: 1.24" (31.496mm).
7418N	3.152	Stroke: 5.000" (127.000mm) Rod Ø: 2.2484-2.2492" (57.109-57.13mm) Main Ø: 2.7485-2.7493" (69.812-69.832mm) Neck: Keyed, 1-Bolt Flange: Flat, 6-Bolt, 1-Dowel, Lip Seal Weight: 52 lbs.	3637410M91, 637399M91, 026053M, 31312701, 94464, 31312707, 31315135, 94458, U5BG0027, ZZ90078, ZZ90150, ZZ90122 Keyed neck, lip seal. Bolt-on counterweights (not included).
7405N	4.203	Stroke: 5.000" (127.000mm) Rod Ø: 2.2480-2.2490" (57.099-57.125mm) Main Ø: 2.7480-2.7490" (69.799-69.825mm) Neck: 1-Bolt, 1-Key Flange: Flat, 6-Bolt, 1-Dowel, Rope Seal Weight: 55 lbs.	026008M1, 3638473M91, 3637399M91, 736186M1, 736186M1, 736187M01, 736187M91, 736534M91, 737309M91, 742742M91, 31315135, 31315138, 31315145, 31315148, 31315167, 31315127, 31315184, 31315144, 83426, 84407, 85811, 92484, 92485, U5BG0017, U5BG0028, ZZ90121 Keyed neck, rope seal.
7420N	4.203	Stroke: 5.000" (127.000mm) Rod Ø: 2.2480-2.2490" (57.099-57.125mm) Main Ø: 2.7480-2.7490" (69.799-69.825mm) Neck: Splined Flange: Rope Seal Weight: 55 lbs.	742682M91, 94435, ZZ90119 Splined neck, rope seal.
7426N	4.203	Stroke: 5.000" (127.000mm) Rod Ø: 2.2480-2.2490" (57.099-57.125mm) Main Ø: 2.7480-2.7490" (69.799-69.825mm) Neck: 1-Bolt, 1-Key Flange: Flat, 6-Bolt, 1-Dowel, Lip Seal Weight: 55 lbs.	026032M1, 3637458M91, 742344M91, 31315182, 31315184, 94441, 94454, 94455, 026033, Z90111 Keyed neck, lip seal.
7414N	4.203	Stroke: 5.000" (127.000mm) Rod Ø: 2.2480-2.2490" (57.099-57.125mm) Main Ø: 2.7480-2.7490" (69.799-69.825mm) Neck: Splined, 1-Bolt, 1-Key Flange: Flat, 6-Bolt, 1-Dowel, Lip Seal Weight: 55 lbs.	31315181 Splined neck, lip seal.

Part No.	Engine	Specification	Replace/Notes
7412N	4.212	Stroke: 4.500" (114.3mm) Rod Ø: 2.4990-2.4995" (63.475-63.487mm) Main Ø: 2.9985-2.9990" (76.162-76.175mm) Neck: Splined, 1-Key Flange: Rope Seal Weight: 60 lbs.	737189M91, 737982M91, 3637457M91, 85719, 85814, ZZ90076, ZZ90100 Splined neck, rope seal.
7413N	4.212	Stroke: 4.500" (114.3mm) Rod Ø: 2.4990-2.4995" (63.475-63.487mm) Main Ø: 2.9985-2.9990" (76.162-76.175mm) Neck: Splined, 1-Key Flange: Lip Seal Weight: 60 lbs.	3637453M91, 742873M91, 94430, ZZ90077 Splined neck, lip seal.
7408N	4.236 4.248	Stroke: 5.000" (127.000mm) Rod Ø: 2.4988-2.4996" (63.47-63.49mm) Main Ø: 2.9984-2.9992" (76.159-76.18mm) Neck: Splined, 1-Bolt, 1-Key Flange: Flat, 6-Bolt, 1-Dowel, Rope Seal Weight: 75 lbs.	736829M91, 3637789M91, 3639541M1, 31315911, 31315921, 31315912, 31315881, 31315884, 68050, 84422, 85721, 84421, U5BG0054, ZZ90093 Splined neck, rope seal. Crankshaft is non-counterweighted. See 7408CW for counterweighted.
7408NCW	4.236 4.248	Stroke: 5.000" (127.000mm) Rod Ø: 2.4988-2.4996" (63.47-63.49mm) Main Ø: 2.9984-2.9992" (76.159-76.18mm) Neck: Splined, 1-Bolt, 1-Key Flange: Flat, 6-Bolt, 1-Dowel, Rope Seal Weight: 75 lbs.	3637789M91, 3639541M1, 7340893M1, 736946M91, 736829M91, 738226M91, 31315911, 31315912, 31315921, 31315881, 31315884, 84422, 85721, 84421, 68050, U5BG0054, ZZ90093 Splined neck, rope seal. Crankshaft is counterweighted. See 7408N for non-counterweighted
7416N6	4.236 4.248	Stroke: 5.000" (127.000mm) Rod Ø: 2.4988-2.4996" (63.47-63.49mm) Main Ø: 2.9984-2.9992" (76.159-76.18mm) Neck: Splined, 1-Bolt, 1-Key Flange: 6-Bolt, 1-Dowel, Lip Seal Weight: 75 lbs.	73629M91, 31315631, 31315641, 31315664, 31315871, 26042, 85821, 94433, 94434, U5BG0052, ZZ90122, 1-Bolt splined neck, lip seal, 6 bolt flange. For 12 bolt see 7416N12.
7416N12	4.236 4.248	Stroke: 5.000" (127.000mm) Rod Ø: 2.4988-2.4996" (63.47-63.49mm) Main Ø: 2.9984-2.9992" (76.159-76.18mm) Neck: Splined, 1-Bolt, 1-Key Flange: 12-Bolt, 1-Dowel, Lip Seal Weight: 75 lbs.	73629M91, 31315631, 31315641, 31315664, 31315870, 31315980, 31315871, U5BG0052, 26042, 85821, 94433, 94434, ZZ90122 1-Bolt splined neck, lip seal, 12-bolt flange. For 6 bolt see 7416N6
7429N6	4.236 4.248 1004.40 Series Phaser 90 Series	Stroke: 5.000" (127.000mm) Rod Ø: 2.4988-2.4996" (63.47-63.49mm) Main Ø: 2.9984-2.9992" (76.159-76.18mm) Neck: Splined, 3-Bolt, 1-Key Flange: 6-Bolt, 1-Dowel, Lip Seal Weight: 75 lbs.	741747M1, 3637401M91, 31315870, 31315980, 31315981, 31315982, 31315991, 94435, 94436, U5BG0024, ZZ90119, ZZ90202, ZZ90082, ZZ90081, ZZ90143 3-Bolt splined neck, lip seal, 6-bolt flange. For 10 bolt see 7429N10. For 12 bolt see 7429N12
7429N10	4.236 4.248 1004.40 Series Phaser 90 Series	Stroke: 5.000" (127.000mm) Rod Ø: 2.4988-2.4996" (63.47-63.49mm) Main Ø: 2.9984-2.9992" (76.159-76.18mm) Neck: Splined, 3-Bolt, 1-Key Flange: 10-Bolt, 1-Dowel, Lip Seal Weight: 75 lbs.	3637401M91, 741747M1, 31315870, 31315980, 31315981, 31315982, 31315991, 94435, 94436, ZZ90082, U5BG0024, ZZ90081, ZZ90143, ZZ90119, ZZ90202 3-Bolt splined neck, lip seal, 10-bolt flange. For 6 bolt see 7429N6. For 12 bolt see 7429N12

Part No.	Engine	Specification	Replace/Notes
7429N12	4.236 4.248 1004.40 Series Phaser	Stroke: 5.000" (127.000mm) Rod Ø: 2.4988-2.4996" (63.47-63.49mm) Main Ø: 2.9984-2.9992" (76.159-76.18mm) Neck: Splined, 3-Bolt, 1-Key Flange: 12-Bolt, 1-Dowel, Lip Seal Weight: 75 lbs.	3637401M91, 741747M1, 31315870, 31315980, 31315981, 31315982, 31315991, 94435, 94436, U5BG0024, ZZ90082, ZZ90081, ZZ90143, ZZ90119, ZZ90202 3-Bolt splined neck, lip seal, 12-bolt flange. For 6 bolt see 7429N6. For 10 bolt see 7429N10
7430N	1004	Stroke: 5.00" Rod Ø: 2.4986-2.4994" Main Ø: 2.9982-2.9990" Neck: splined, 3 bolt holes Flange: lip seal 10 bolt 1 dowel Weight: 98 lbs.	ZZ90222 Splined neck, lip seal.
7407N	6.354.2	Stroke: 5.000" (127.000mm) Rod Ø: 2.4988-2.4996" (63.47-63.49mm) Main Ø: 2.9984-2.9992" (76.159-76.18mm) Neck: Splined, 1-Bolt, 1-Key Flange: Flat, 12-Bolt, Rope Seal Weight: 98 lbs.	742150M1, 736902M1, 31322317, 31325016, 31322301, 31325019, 31322302, 31325022, 31322321, 31325023, 31322322, 31325025, 31322351, 31325028, 31322421, 31325036, 31323202, 31325042, 31323207, 31323251, 31322361, 31322363, 31322364, 68063, 85727, U5BG0045, ZZ90089 Splined neck, rope seal.
7402N	6.354.2	Stroke: 5.000" (127.000mm) Rod Ø: 2.4988-2.4996" (63.47-63.49mm) Main Ø: 2.9984-2.9992" (76.159-76.18mm) Neck: Splined, 1-Bolt, 1-Key Flange: Flat, 12-Bolt, 1-Dowel, Lip Seal Weight: 98 lbs.	742160M1, 742161M1, 31323261, 31323262, 94443, 94460, 94468, U5BG0048, ZZ90090 Splined neck, lip seal.
7499N	6.354.4	Stroke: 5.000" Rod Ø: 2.4988-2.4996" Main Ø: 2.9984-2.9996" Neck: Stepped, 2 Keyed, 3 bolt Flange: Rope Seal, 12 bolt Weight: 97 lbs.	3637408M91, U5BG0037, ZZ90113 Keyed neck, Rope seal
7498N	6.354.4 A6.354.4 T6.354.4	Stroke: 5.000" (127.000mm) Rod Ø: 2.4988-2.4996" (63.47-63.49mm) Main Ø: 2.9984-2.9992" (76.159-76.18mm) Neck: Splined, 3-Bolt, 1-Key Flange: 12-Bolt, Lip Seal Weight: 98 lbs.	748751M1, 3637404M91, 31314021, 313111021, 68076, ZZ90086, ZZ90113, Splined neck, lip seal.
7490N	6.354.4 1006.60 Series Phaser Series	Stroke: 5.000" (127.000mm) Rod Ø: 2.4988-2.4996" (63.47-63.49mm) Main Ø: 2.9984-2.9992" (76.159-76.18mm) Neck: 3-Bolt, 1-Key Flange: 11-Bolt, 1-Dowel, Lip Seal Weight: 98 lbs.	3637019M91, 3638402M91, U5BG0042, ZZ90085, ZZ90087, ZZ90218 Keyed, 3-bolt neck, lip seal.
7451N	104.22 404C.22 404C.22T	Stroke: 3.54331" (90.000mm) Rod Ø: 2.04582-2.04626" (51.964-51.975mm) Main Ø: 2.67550-2.67597" (67.957-67.970mm) Neck: Tapered, Threaded Flange: Lip Seal Weight: 78 lbs.	115256750, 115256990, P770, P771 Threaded neck, Lip seal 90.00mm Stroke

Part No.	Engine	Specification	Replace/Notes
7452N	104.22 404C.22 404C.22T	Stroke: 3.9370" (100.000mm) Rod Ø: 2.04582-2.04626" (51.964-51.975mm) Main Ø: 2.67550-2.67597" (67.957-67.970mm) Neck: Tapered, Threaded Flange: Lip Seal Weight: 78 lbs.	115256750, 115256990 Threaded neck, Lip seal 100.00mm Stroke
7423N	1103-Series	Stroke: 5.000" (127.000mm) Rod Ø: 2.4986-2.4994" (63.466-63.486mm) Main Ø: 2.9982-2.9990" (76.155-76.176mm) Neck: Splined, 3-Bolt Flange: 6-Bolt, 1-Dowel, Lip Seal Weight: 52 lbs.	4181V017 Splined neck, lip seal.
7495N	1103	Stroke: 5.000" Rod Ø: 2.486-2.4994" Main Ø: 2.9982-2.9990" Neck: Splined, 3 bolt Flange: Lip Seal, 6 bolt, 1 pin Weight: 69 lbs.	4225400M1, 4225301M91, 4225301V91, M4181V017, P4181V017, P771338, H4181V017, 4181V017 Splined neck, lip seal.
7431N10	1104-Srs	Stroke: 5.000" (127.000mm) Rod Ø: 2.4986-2.4994" (63.466-63.486mm) Main Ø: 2.9982-2.9990" (76.155-76.176mm) Neck: Splined, 3-Bolt Flange: 10-Bolt, 1-Dowel, Lip Seal Weight: 85 lbs.	ZZ90239, ZZ90222 Splined neck, lip seal.
7432N	1106 Series	Stroke: 5.000" (127.000mm) Rod Ø: 2.4986-2.4994" (63.466-63.486mm) Main Ø: 2.9982-2.9990" (76.155-76.176mm) Neck: 3-Bolt, 1-Key Flange: 10-Bolt, 2-Dowel, Lip Seal Weight: 98 lbs.	3637019M1, 4225497M1, ZZ90213, ZZ90228 Keyed neck, lip seal.

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Part No.	Engine	Specification	Replace/Notes
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GENERAL MOTORS

1284N	6.5L	Stroke: 3.8189" (97.000mm) Rod Ø: 2.3982-2.3992" (60.914-60.94mm) Main Ø: 2.9495-2.9503" (74-917-74.94mm) Weight: 80 lbs.	23502592 Intended for truck applications '92-'02 with 1-piece rear seal. Can be used in turbo and naturally aspirated engines.
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MERCEDES BENZ

3001N	OM904	Stroke: 5.1181" (130.000mm) Rod Ø: 2.7557-2.7565" (69.995-70.015mm) Main Ø: 3.3854-3.3862" (85.990-86.010mm) Weight: 100 lbs.	904.030.1002
8895N	OM602LA	Stroke: 3.638" (92.400mm) Rod Ø: 1.8878-1.8884" (47.950-47.965mm) Main Ø: 2.2815-2.2821" (57.950-57.965mm) Neck: Smooth Neck, 1 Bolt, 11 Key way Flange: Lip seal, 6 Bolt Holes, 1 Dowel Weight: 70 lbs.	602.031.2501, 602.030.0801

SCANIA

9917N	674 CID 11.0L	Stroke: 5.709" (145.009mm) Rod Ø: 3.3162-3.3171" (84.231-84.254mm) Main Ø: 3.9999-4.00080" (101.597-101.62mm) Neck: 1-Bolt, 1-Key Flange: Flat, 8-Bolt, 3-Dowel Weight: 275 lbs.	A46516, 247-5171, 3122739, 342060, 56163M, A45907 NOTE: Used in Case 2870, 4890, and 4894 Wheel tractors.
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Part No.	Engine	Specification	Replace/Notes
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SHIBAURA

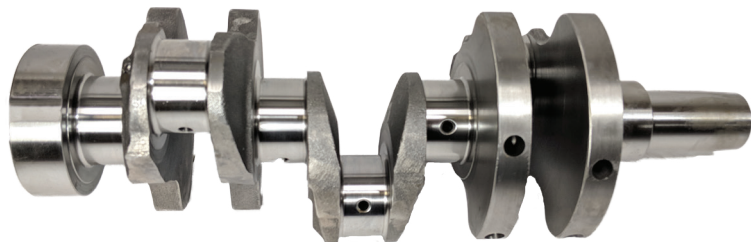
7451N	N844L-C N844LT-C	Stroke: 3.54331" (90.000mm) Rod Ø: 2.04582-2.04626" (51.964-51.975mm) Main Ø: 2.67550-2.67597" (67.957-67.970mm) Neck: Tapered, Threaded Flange: Lip Seal Weight: 78 lbs.	115256750, 115256990, P770, P771 90.00mm Stroke
7452N	N844L-C N844LT-C	Stroke: 3.9370" (100.000mm) Rod Ø: 2.04582-2.04626" (51.964-51.975mm) Main Ø: 2.67550-2.67597" (67.957-67.970mm) Neck: Tapered, Threaded Flange: Lip Seal Weight: 78 lbs.	115256990, P770, P771 100.00mm Stroke
1606N	H843	Stroke: 3.310" (84.074 MM) Rod Ø: 1.8884-1.8888" (47.965-47.976 MM) Main Ø: 2.6755-2.6760" (67.958-67.970 MM) Weight: 25 lbs.	83941932, SBA115256260, SBA115256261 Used in New Holland 1710 compact utility tractors.
1574N	T853	Stroke: 3.940" (100.076mm) Rod Ø: 2.3602-2.3610" (59.949-59.969mm) Main Ø: 2.6750-2.6760" (67.945-67.97mm) Weight: 44 lbs.	83941938, SBA115256470, SBA115256471 Used in New Holland 1910 compact utility tractors.

STANDARD

6006N	80mm 85mm 87mm	Stroke: 3.594" (91.2876mm) Rod Ø: 2.08" (52.832mm) Main Ø: 2.488" (63.1952mm) Neck: Straight, 1-Bolt Flange: 4-Bolt, 2-Peg Weight: 40 lbs.	825216M1, 10801235 TEA20, TED20
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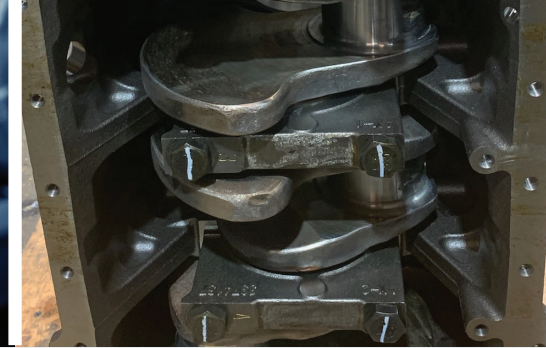
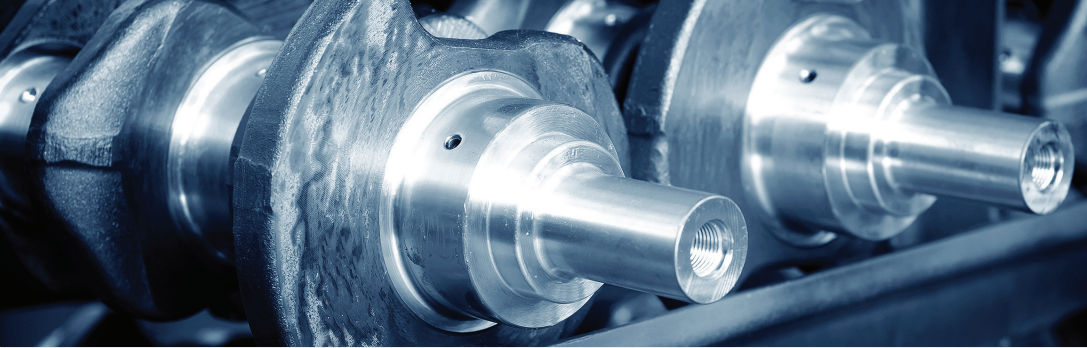
VOLVO

8001N	D13	Stroke: 6.220" (158.000mm) Rod Ø: 3.898" (99.000mm) Main Ø: 4.2520" (108.000mm) Weight: 300 lbs.	21230583
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7990N | Yanmar®
3TNE84, 3TNV84, 3TNV84T,
3TNE88, 3TNV88

Part No.	Engine	Specification	Replace/Notes
7905N	2T84A 2T90 2TR16 2TR17 2TR20 2TR20A	Stroke: 3.543" (89.992mm) Rod Ø: 2.1240-2.1246" (53.95-53.965mm) Main Ø: 2.7539-2.7545" (69.949-69.964mm)	724450-21702, 724764-21700, DTR1-3
7935N	78 3T80	Stroke: 3.346" (84.999 MM) Rod Ø: 1.9665-1.9669" (49.949-49.959 MM) Main Ø: 2.7539-2.7543" (69.949-69.959 MM) Weight: 34 lbs.	3T80, 721150-21700, CH10659
7990N	3TNE84 3TNV84 3TNV84T 3TNE88 3TNV88	Stroke: 3.543" (90.000mm) Rod Ø: 1.8879-1.8883" (47.952-47.962mm) Main Ø: 2.1240-2.1245" (53.952-53.962mm) Neck: 1-Bolt, 2-Key Flange: Flat, 6-Bolt, 1-Dowel Weight: 30 lbs.	Y129001-21100
7985N	3T84 3T90	Stroke: 3.5433" (91.000 MM) Rod Ø: 2.1240-2.1244" (53.95-53.96 MM) Main Ø: 2.7540-2.7550" (69.951-69.977 MM) Neck: Stepped, 2 key Ways, 1 Bolt Flange: Flat Seal, 6 Bolt, 1 Dowel Weight: 49 lbs.	721250-21700. CS-384, CH10676, CH20055
7994N	4TNE84 4TNE84T 4TNV84 4TNV84T 4TNE88 4TNV88	Stroke: 3.543" (90.000mm) Rod Ø: 1.8879-1.8883" (47.952-47.962mm) Main Ø: 2.1240-2.1245" (53.952-53.962mm) Neck: Straight, 1-Bolt, 2-Key Flange: Flat, 6-Bolt, 1-Dowel Weight: 35 lbs.	Y129407-21000, AM881224, AM878619 Intended for use in non-balanced applications. Crankshaft not designed to accept balancer gear.
7992N	4TNE94	Stroke: 3.9370" (100.000mm) Rod Ø: 2.2816-2.2820" (57.952-57.962mm) Main Ø: 2.5572-2.5576" (64.952-64.962mm) Neck: Straight, 1-Bolt, 1-Key, 1-Pin Flange: Flat, 6-Bolt, 1-Dowel Weight: 50 lbs.	129900-21000
7993N	4TNV94	Stroke: 3.9370" (100.000mm) Rod Ø: 2.2816-2.2820" (57.952-57.962mm) Main Ø: 2.5572-2.5576" (64.952-64.962mm) Neck: Tapered, 1-Bolt, 1-Key Flange: Flat, 6-Bolt, 1-Dowel Weight: 50 lbs.	129900-21000



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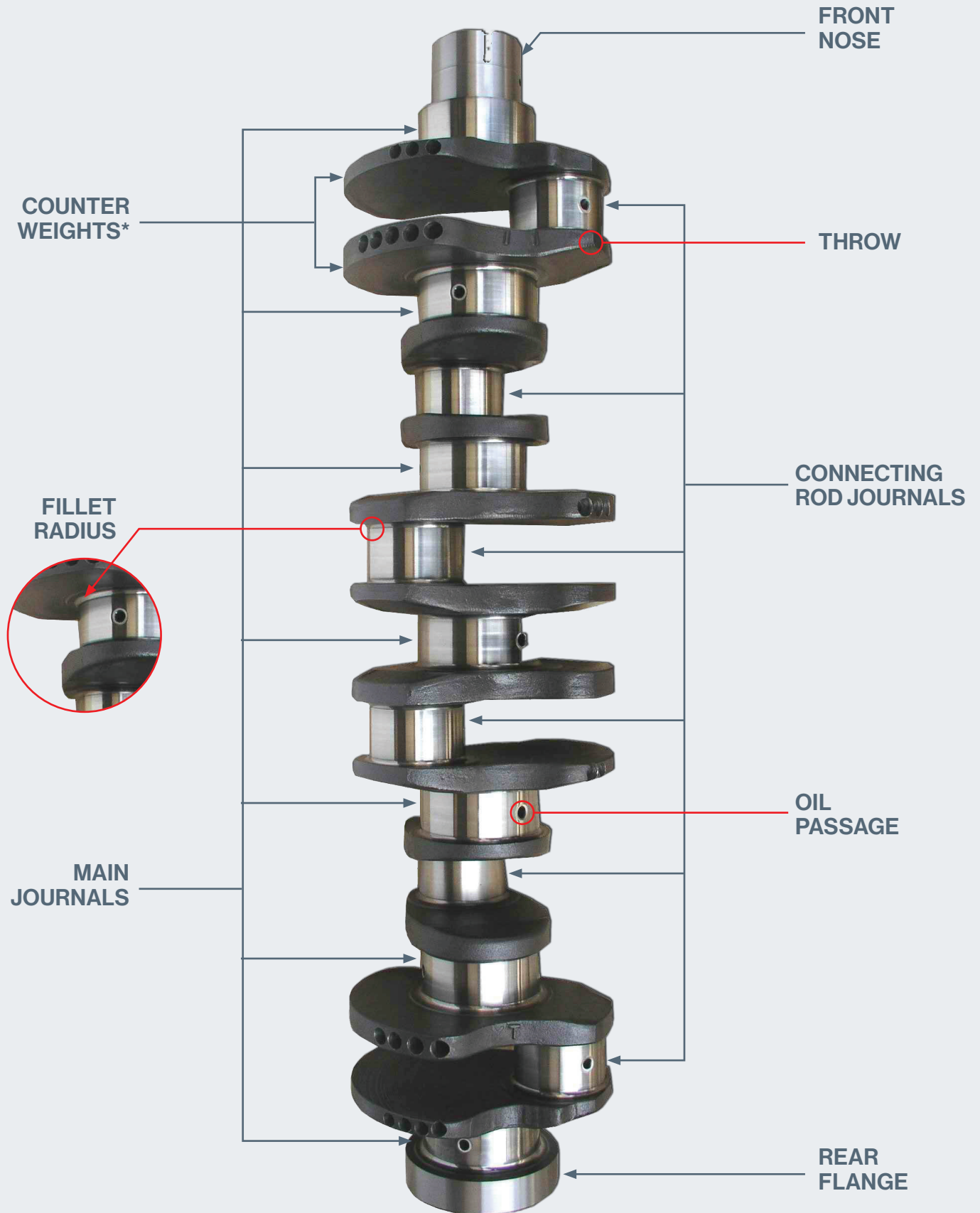
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Anatomy of a CrankShaft



*Counter weights not always present. Cast-in weights show here. Bolt-on weights also possible.

CRANKSHAFT INSTALLATION TIPS

1. **KNOWLEDGE:** Before beginning any crankshaft installation be sure to have the appropriate technical/repair manual(s) on hand. Having an experienced mechanic perform the work is highly recommended. With regards to the rest of your castings (block, connecting rods, etc.) it is a good practice to have a reputable, qualified machine shop clean and thoroughly inspect these components to ensure they are within OEM specifications and suitable for installation.
2. **COMPARISON:** First off, check that the part number on the crankshaft you received matches the part number on your original invoice. Set your original and replacement crankshafts side by side and verify they are the same. Check forging numbers, stroke, nose, flange, pilot hole, bolt pattern & sizes, threads, dowel holes, keyways, length, counter weights, etc. This must be done before installation.
3. **CLEAN:** Ensure that all castings and oil passages have been cleaned and are free of particulates such as dirt, rust, metal filings, and other such debris (this is especially true for your cylinder block). Also be sure that all other parts that carry oil, such as oil coolers, injection pump, oil pump, air compressors, rocker assemblies, lines, oil galleys, etc., are flushed and cleaned internally of any old oil and/or debris. All remanufactured and new crankshafts are coated with a protective agent that must be thoroughly cleaned off prior to installation. Some protective coatings are difficult to see with the naked eye, similar to a clear coat, pay special attention to ensure all protective coatings have been completely removed.
4. **INSPECT:** Thoroughly inspect the condition of all castings and machined surfaces prior to installation. Inspect the main cap registers and be sure caps fit tight in the block. Check the saddles where the bearings will seat, paying special attention to the line bore. Check for discoloration (from past failures), nicks, chips, or dings that your machine shop may have overlooked. Be sure all main caps are ready for installation and in the correct order (most main caps will have identifying marks showing placement and orientation). Check your connecting rods and rod caps for the same. Inspect all bolts, nuts, and threads.
5. **CHANGEOVER:** Remove any necessary components from your original crankshaft and install on the replacement crankshaft. Changeover components can include (but are not limited to): gears, counterweights, bolts, keys, dowel pins, spacers, oil slingers, hubs, and extensions just to name a few.
6. **BEARINGS:** Check the markings on the back of each new bearing prior to installation to ensure it is the appropriate size (STD, .010", .020", etc.). Carefully insert each bearing paying special attention to oil hole alignment and placement of the locking tab. Check fit and feel as the bearings are installed to ensure proper fitment. Pre-lube bearings and crankshaft surfaces using Lubriplate™ 105 or equivalent or per your OEM recommendations.
7. **CLEARANCES:** Inspect all journals to ensure they are within the OE manufacturer's tolerances. Journals must be smooth and free of any burrs or debris and everything must be spotlessly clean. Carefully lay the crankshaft in the block and check all oil clearances using Plastigage™ or per the OE manufacturer's recommendation. Properly torque all bolts to OEM specifications. Crankshaft should rotate freely. Using a feeler gauge or dial indicator, check that thrust end play is within OEM specifications. After each step, be sure the crankshaft spins smoothly and freely and has adequate clearance from end to end inside the block for the full 360 degree rotation.
8. **CONNECTING ROD INSTALLATION:** Using remanufactured or new connecting rods, install bearings (refer to step 6). Be sure that your connecting rod bolt ends are covered to prevent them from contacting the crankshaft journal surface upon installation. Carefully move the piston and connecting rod assembly in the bore until the connecting rod is seated on the crankshaft. Check rod cap number and orientation. Check rod bearing oil clearances (refer to Step 7). Properly Torque all bolts/nuts to OEM specifications. Rotate engine fully after installing each rod to ensure it is turning freely with no restriction. Check to be sure there is proper clearances inside the block for all associated parts throughout the full 360 degree rotation.
9. **COMPLETING INSTALLATION:** As other parts are bolted on, always spin for free rotation and clearance and be sure all gears have proper backlash. This includes, but is not limited to, oil pump gear(s), balancer gear(s), camshaft gear(s), and/or idler gear(s). Improper, or lack of, backlash (i.e.; "jammed gears") will contribute to major failure. Check crankshaft end play throughout assembly and after the engine has been installed in the equipment, failure to do so can also contribute to major failure.
10. **PRIME OIL SYSTEM:** Pressure prime the oiling system before starting the engine. Always crank engine for oil pressure prior to initial start-up and install a mechanical gauge to monitor oil pressure during cranking and start up.

DISCLAIMER: This document and the outlined steps contained herein are intended as a basic guide. Original equipment manufacturer recommendations, and industry best practices always take precedence. Always refer to the specific technical and/or repair manual/documentation provided by the original equipment manufacturer. **The customer, or the customer's designated agent (mechanic) is solely responsible for proper installation, and must do his/her own due diligence to ensure proper installation.**

A collection of various mechanical parts, including pistons, rings, valves, and gaskets, arranged on a white background. The parts are metallic and show signs of wear and use. The arrangement includes four pistons with rings, several valve components, and various gaskets and seals. The parts are laid out in a way that showcases their different shapes and sizes, from small circular gaskets to larger piston assemblies.



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