

KMP BRAND[®]
Worldwide

PREMIUM DIESEL ENGINE PARTS

SUITABLE FOR:

JOHN DEERE[®]

6090
COVERAGE



Exceptional
Service



Fast
Shipping



Global
Distribution



Premium
Quality

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www.kmpbrand.com



PROMO 154
APRIL 2025



PREMIUM REPLACEMENT PARTS SUITABLE FOR **John Deere® PowerTech**

6090

Engine Details

6090 PowerTech

EMISSIONS COMPLIANCE

TIER 2, TIER 3, TIER 4 & FINAL TIER 4

ASPIRATION

TURBOCHARGED, AIR TO AIR AFTERCOOLED

ENGINE TYPE

IN-LINE, 4-STROKE

NO. OF CYLINDERS

6

BORE

118MM

STROKE

136MM

DISPLACEMENT

9.0 LITRES

POWER

168 - 298KW

Please note that this is not an all-encompassing catalogue for the engines, therefore the item(s) that you require may not be listed in this document. A full listing of all KMP supplied components for this engine can be supplied by your sales representative on request.

Parts contained within this document are not guaranteed to be available at the time of publication, however they may be developed at a later date, any item that is not currently available is annotated with an asterisk (*). Items that are stocked at the time of publication may also become discontinued at a later date. Therefore, please contact your KMP sales representative to verify item availability before taking any action based on the information contained within this publication.

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KMP has the most comprehensive range of **John Deere® 6090 PowerTech** parts in the aftermarket.

ENGINE APPLICATIONS

COMBINE
COTTON PICKER
TRACKED FELLER BUNCHER
EXCAVATOR
MOTOR GRADER
FOUR-WHEEL DRIVE LOADER
FORESTRY SWING MACHINE
SPRAYER
HARVESTER
ARTICULATED DUMP TRUCK
FORWARDER
TRACTOR
CRAWLER DOZER
SPREADER
APPLICATOR

See pages 6-7 for engine model and application listings.

JOHN DEERE® 6090 PowerTech

		COMPETITOR A	COMPETITOR B	KMP
6090 EK - C/W RE529264	EK-DZ10599	☒	☐	☒
6090 EK - C/W RE529264 (B)	EK-DZ10599-B	☐	☐	☒
6090 EOK - C/W DZ102298	DZ110430*	☒	☒	☒
6090 EOK - C/W DZ102298 & VALVES	EOK-DZ110430*	☐	☐	☒
6090 EOK - C/W RE529264	DZ10599	☒	☒	☒
6090 EOK - C/W RE529264	EOK-DZ10599#	☐	☐	☒
6090 EOK - C/W RE529264 (B)	DZ10599-B	☐	☐	☒
6090 EOK - C/W RE529264 (B)	EOK-DZ10599-B#	☐	☐	☒
6090 EOK - C/W RE555132	DZ110431	☒	☒	☒
6090 IFK - C/W RE529264	IFK-DZ10599	☒	☐	☒
6090 IFK - C/W RE529264 (B)	IFK-DZ10599-B	☐	☐	☒
6090 OFK - C/W DZ102298	OFK-DZ110430*	☐	☐	☒
6090 OFK - C/W RE529264	OFK-DZ10599	☐	☒	☒
6090 OFK - C/W RE529264 (B)	OFK-DZ10599-B	☐	☒	☒
6090 T4 EOK - W RE555132 & VALVES	KMP-DZ110431*	☒	☐	☒
6090 TIER 4 OFK - C/W RE555132	OFK-DZ110431	☐	☐	☒
AIR PRESSURE SENSOR	RE523811*	☒	☐	☒
ALTERNATOR: 12V, 120A	AH165975	☐	☐	☒
ALTERNATOR: 12V, 150A	AL171541	☐	☐	☒
ALTERNATOR: 12V, 200A	AXE17691	☐	☐	☒
ALTERNATOR: 12V, 200A	RE555751	☐	☐	☒
ALTERNATOR: 12V, 95A	TY24485	☐	☐	☒
BEARING PAIR, CONROD - .010"	RE538581A	☐	☐	☒
BEARING PAIR, CONROD - .020"	RE538581B	☐	☐	☒
BEARING PAIR, CONROD - STD	RE529318	☒	☒	☒
BEARING PAIR, CONROD - STD	RE538581	☒	☒	☒
BEARING PAIR, MAIN - .010"	RE534181	☒	☒	☒
BEARING PAIR, MAIN - .020"	RE534182	☐	☒	☒
BEARING PAIR, MAIN - STD	RE529319	☒	☒	☒
BEARING PAIR, THRUST - .010"	RE534183	☒	☒	☒
BEARING PAIR, THRUST - .020"	RE534184	☐	☒	☒
BEARING PAIR, THRUST - STD	RE529320	☒	☒	☒
BELT TENSIONER	RE57498	☒	☐	☒
BELT TENSIONER	RE582501	☐	☐	☒
BELT TENSIONER	RE68715	☒	☐	☒
BELT TENSIONER	RE70536	☐	☐	☒
BOLT - CONROD	DZ120913	☒	☒	☒
BOLT - MAIN BEARING (M16 X 129)	R519287	☒	☒	☒
BUSH - CAMSHAFT	R527877	☒	☒	☒
BUSHING - CONROD	R74008	☒	☒	☒
CAM FOLLOWER	DZ116648*	☒	☒	☒
CAMSHAFT	R522884*	☒	☒	☒
COLLET	R520798	☒	☒	☒

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Items for future development.

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JOHN DEERE® 6090 PowerTech

		COMPETITOR A	COMPETITOR B	KMP
CON ROD ASSY	DZ120166#	☒	☒	☒
CONROD	DZ122131	☒	☐	☒
CRANK SEAL - REAR, C/W SLEEVE	RE22764	☒	☒	☒
CRANKSHAFT	RE565972#	☒	☒	☒
CRANKSHAFT ASSEMBLY	DZ105801#	☒	☒	☒
CRANKSHAFT SEAL - FRONT	AR49025	☐	☒	☒
CRANKSHAFT SEAL - FRONT	DZ123164	☒	☒	☒
CRANKSHAFT SEAL - FRONT	RE542195	☒	☐	☒
CRANKSHAFT SEAL - FRONT	RE543639	☒	☒	☒
CRANKSHAFT SEAL - REAR	DZ121137	☒	☒	☒
CYLINDER HEAD ASSEMBLY	RE523680	☒	☐	☒
CYLINDER HEAD BOLT (M14 X 186)	DZ110495	☒	☒	☒
CYLINDER HEAD BOLT KIT	RE528399	☒	☒	☒
CYLINDER KIT	DZ10211	☒	☒	☒
CYLINDER KIT	DZ110135*	☒	☒	☒
CYLINDER KIT	DZ124285	☒	☒	☒
DISC INTERMEDIATE - PTO	R96805	☐	☐	☒
DRAIN TAP - 1/4" BSP	AT27653	☐	☐	☒
EXHAUST VALVE	R520224	☒	☒	☒
FUEL LIFT PUMP - 12V	RE539761	☒	☐	☒
FUEL PRESSURE SENSOR	RE522794	☒	☐	☒
GASKET - AUX DRIVE	R96935*	☐	☐	☒
GASKET - CYLINDER HEAD	DZ111356	☒	☒	☒
GASKET - EGR	R526831	☐	☐	☒
GASKET - EXHAUST MANIFOLD	R519361	☒	☐	☒
GASKET - EXHAUST MANIFOLD	R534605	☒	☐	☒
GASKET - FRONT HOUSING	R119384	☐	☐	☒
GASKET - INLET MANIFOLD	DZ109633	☒	☐	☒
GASKET - INLET MANIFOLD	R532724	☐	☐	☒
GASKET - OIL COOLER	R132396	☐	☐	☒
GASKET - OIL COOLER	R520645	☐	☐	☒
GASKET - REAR HOUSING	R522768	☐	☒	☒
GASKET - REAR HOUSING	R527660	☐	☐	☒
GASKET - ROCKER COVER	R527884	☒	☒	☒
GASKET - SUMP	R520844	☒	☒	☒
GASKET - SUMP	R532464	☒	☒	☒
GASKET - TIMING CASE COVER	R526395	☐	☐	☒
GASKET - TURBO	R92097	☐	☐	☒
GASKET - TURBO MOUNTING	R535094	☐	☐	☒
GASKET - TURBO MOUNTING	R89879	☐	☐	☒
GASKET - WATER PUMP	R119383	☐	☐	☒
GASKET - WATER PUMP	R504885	☐	☐	☒
GASKET KIT - OVERHAUL	DZ115339	☒	☒	☒

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		COMPETITOR A	COMPETITOR B	KMP
GEAR - CRANKSHAFT	R104587#	☒	☐	☒
INJECTOR NOZZLE	DZ100217*	☐	☐	☒
INJECTOR NOZZLE	DZ100223*	☒	☐	☒
INJECTOR NOZZLE KIT	DZ100221	☒	☐	☒
INJECTOR SLEEVE	RE543935	☒	☒	☒
INTAKE VALVE	R520223	☒	☒	☒
INTERMEDIATE PLATE	R96806	☐	☐	☒
LINER	R529710	☐	☐	☒
LINER - INTRIM TIER 4	R530609	☒	☐	☒
LINER SEAL	R48638	☐	☐	☒
LINER SEAL KIT	AR98850	☒	☒	☒
MANIFOLD AIR PRESSURE SENSOR	RE522723	☐	☐	☒
OIL COOLER	AR55394	☒	☒	☒
OIL COOLER CORE	RE537196#	☒	☒	☒
OIL FILTER	RE509672	☐	☐	☒
OIL PAN GASKET	DZ112737	☒	☒	☒
OIL PAN GASKET	DZ112738	☒	☒	☒
OIL PAN GASKET	DZ117889	☒	☒	☒
OIL PRESSURE SWITCH	RE167207	☒	☐	☒
OIL PUMP	RE521756	☐	☐	☒
OIL PUMP	RE543187	☒	☐	☒
OIL PUMP ASSEMBLY	RE538136#	☒	☒	☒
OVERHAUL GASKET SET (IT4/FT4)	DZ113616	☒	☒	☒
PISTON BODY	DZ102298*	☒	☒	☒
PISTON PIN	DZ113594#	☒	☐	☒
PISTON RING SET	DZ119616	☒	☒	☒
PISTON, PIN & CLIPS	RE529264	☒	☐	☒
PISTON, PIN & CLIPS - INT TIER 4	RE555132	☒	☐	☒
PLUG - CAMSHAFT	R82007#	☒	☒	☒
PRESSURE LIMITER VALVE	RE516335*	☒	☐	☒
PUSH ROD	R536992	☐	☐	☒
RETAINER	R519640*	☒	☐	☒
RING GEAR - FLYWHEEL	R28811	☒	☐	☒
ROCKER ARM - EXHAUST	RE552370#	☐	☒	☒
ROCKER ARM - INLET	RE552371#	☐	☒	☒
ROCKER SHAFT ASSEMBLY	RE535977#	☐	☒	☒
ROTATOR	R530750	☐	☐	☒
SEAL - VALVE COVER	R526607	☒	☒	☒
SEAL - VALVE STEM	RE529187	☒	☒	☒
SEALING RING - EXHAUST MANIFOLD	R135482*	☐	☐	☒
SENSOR - COOLANT TEMP	RE52722	☒	☐	☒
SENSOR - ENGINE SPEED	RE519144	☒	☐	☒
SENSOR - FILTER MOISTURE	RE532949*	☐	☐	☒

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		COMPETITOR A	COMPETITOR B	KMP
SENSOR - FUEL FILTER PRESSURE	DZ111138*	☒	☐	☒
SENSOR - FUEL FILTER PRESSURE	RE154966*	☐	☐	☒
SENSOR - FUEL TEMP	RE516336	☐	☐	☒
SENSOR - INLET MANIFOLD TEMP	RE522823*	☒	☐	☒
SPEED SENSOR	AH221249*	☐	☐	☒
STARTER MOTOR: 12V, 4KW, 11T	RE69704	☐	☐	☒
STARTER MOTOR: 24V, 7.5KW, 11T	RE501150	☐	☐	☒
TEMPERATURE SENSOR	RE525016	☐	☐	☒
TENSIONER - AUX DRIVE BELT	RE506352*	☒	☐	☒
TENSIONER PULLEY	RE518097	☒	☒	☒
THERMOSTAT	RE48583	☐	☐	☒
THERMOSTAT	RE540550	☒	☐	☒
THERMOSTAT (175 DEGREES)	RE528652#	☒	☐	☒
THERMOSTAT (180 DEGREES)	RE554015	☒	☒	☒
THERMOSTAT COVER	RE502569#	☒	☐	☒
THRUST WASHER (CAMSHAFT)	R504811#	☐	☒	☒
TURBOCHARGER	RE531288#	☒	☐	☒
TURBOCHARGER	RE547970#	☐	☒	☒
UPPER GASKET KIT	RE528402	☒	☒	☒
VALVE GUIDE	DZ111535	☒	☒	☒
VALVE SEAT	R522049*	☐	☒	☒
VALVE SEAT	R527447*	☒	☒	☒
VALVE SEAT INSERT	R527285#	☒	☐	☒
VALVE SPRING	R504235	☒	☒	☒
VALVE SPRING RETAINER	R518233	☐	☐	☒
VALVE STEM SEAL	RE526519	☐	☐	☒
VALVE TRAIN KIT - JD:6090	VTK-JD:6090-T4*	☒	☒	☒
WATER PUMP	DZ102107#	☒	☒	☒
WATER PUMP	RE530194	☒	☒	☒
WATER PUMP (HIGH FLOW)	RE521503	☐	☐	☒

Competitor data valid as of 29th November 2024.

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JOHN DEERE® 6090 PowerTech

ENGINE CODES

6090AFM75	6090HH015	6090HRW24	6090HRW69	6090HTJ18	6090RW239 (CHINA EDITION)
6090CB450	6090HH016	6090HRW25	6090HRW70	6090HTJ23	6090RW246
6090CB451	6090HH020	6090HRW26	6090HRW71	6090HTJ24	6090RW247
6090CB550	6090HH021	6090HRW27	6090HRW72	6090HTJ30	6090RW303 (CHINA EDITION)
6090CG550	6090HH022	6090HRW28	6090HRW73	6090HTJ31	6090RW305 (CHINA EDITION)
6090CI550	6090HH026	6090HRW29	6090HRW74	6090HTJ33	6090RW401
6090CP550	6090HH027	6090HRW30	6090HRW75	6090HTJ36	6090RW402
6090HBM01	6090HH028	6090HRW31	6090HRW76	6090HWD01	6090RW403
6090HBM02	6090HH029	6090HRW32	6090HRW77	6090HZ007	6090RW410
6090HBM03	6090HN001	6090HRW33	6090HRW78	6090HZ013	6090RW411
6090HCQ03	6090HN002	6090HRW34	6090HRW79	6090HZ014	6090RW412
6090HCQ04	6090HN003	6090HRW35	6090HRW82	6090HZ015	6090RW413
6090HDW01	6090HN004	6090HRW36	6090HRW83	6090HZ017	6090RW414
6090HDW03	6090HN005	6090HRW37	6090HRW84	6090HZ018	6090RW415
6090HDW04	6090HN006	6090HRW38	6090HRW85	6090HZ019	6090RW416
6090HDW07	6090HN007	6090HRW39	6090HRW86	6090HZ020	6090RW417
6090HDW09	6090HN008	6090HRW40	6090HRW87	6090HZ021	6090RW418
6090HDW11	6090HN009	6090HRW41	6090HT001	6090HZ022	6090RW419
6090HDW12	6090HN010	6090HRW42	6090HT002	6090HZ025	6090RW420
6090HDW13	6090HN018	6090HRW43	6090HT003	6090HZ026	6090RW421
6090HDW15	6090HN019	6090HRW44	6090HT005	6090HZ027	6090RW422
6090HDW16	6090HN021	6090HRW45	6090HT006	6090HZ028	6090RW423
6090HDW37	6090HN023	6090HRW46	6090HT010	6090HZ029	6090RW479
6090HDW38	6090HNW02	6090HRW47	6090HT013	6090HZ030	6090RW480
6090HDW42	6090HNW04	6090HRW48	6090HT017	6090RW210	6090RW481
6090HDW43	6090HRW02	6090HRW49	6090HT803	6090RW211	6090RW482
6090HF475	6090HRW03	6090HRW50	6090HT804	6090RW212	6090RW484
6090HF484	6090HRW04	6090HRW51	6090HT805	6090RW213	6090RX505
6090HF485	6090HRW05	6090HRW52	6090HT807	6090RW214	6090SFM75
6090HFA01	6090HRW06	6090HRW53	6090HT808	6090RW215	
6090HFA02	6090HRW07	6090HRW54	6090HT809	6090RW216	
6090HFA03	6090HRW08	6090HRW55	6090HTJ01	6090RW217	
6090HFA04	6090HRW09	6090HRW56	6090HTJ02	6090RW221	
6090HFG06	6090HRW10	6090HRW57	6090HTJ05	6090RW223	
6090HFG06R01	6090HRW11	6090HRW58	6090HTJ09	6090RW224	
6090HFG85	6090HRW12	6090HRW59	6090HTJ10	6090RW225	
6090HFG86	6090HRW13	6090HRW64	6090HTJ11	6090RW226	
6090HFU84	6090HRW18	6090HRW65	6090HTJ12	6090RW228	
6090HH005	6090HRW20	6090HRW66	6090HTJ13	6090RW232	
6090HH006	6090HRW21	6090HRW67	6090HTJ15	6090RW238	
6090HH008	6090HRW23	6090HRW68	6090HTJ16	6090RW239	

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JOHN DEERE® 6090 PowerTech

APPLICATOR

800R
F4365

ARTICULATED DUMP TRUCK

250D
260 P
300D
310 P

COMBINE

9560 STS
9560i STS
9670 STS
9770 STS
S560
S650
S660
S670
S670HM
S760
S770
T560
T660
T670
W650
W660

COTTON PICKER

7660

CRAWLER DOZER

850J
850J-II
850JR
950 P

EXCAVATOR

350DLC
350G
350GLC
380GLC

FORWARDER

1710D
1910E
1910G

FOUR-WHEEL DRIVE LOADER

644K
724 P
724K
744K

FORESTRY SWING MACHINE

3754D

HARVESTER

3520
8100
8200
1270D
1270E
1270G
1270H
1470D
1470E
1470G
1470H
703JH
753JH
759JH
CH570
CH670

MOTOR GRADER

670 P
670G
670GP
672 P
672G
672GP
770 P
770G
770GP
772 P
772G
772GP
870G
870GP
872G
872GP

SPRAYER

4930
4940
410R
412R
612R
616R
DPS 16
R4038
STS12
STS14
STS16
STS20

SPREADER

400R
600R

TRACKED FELLER BUNCHER

753J
759J

TRACTOR

8130
8230
8330
8430
8530
9230
2704 (China Edition)
2904 (China Edition)
3204 (China Edition)
7230R
7260R
7280R
7R350
8225R
8230T
8235R
8245R
8250R
8260R
8270R
8285R
8295R
8295RT
8310R
8310RT
8320R
8320RT
8330T
8335R
8335RT
8345R
8345RT
8360R
8360RT
8370R
8400R
8430T
9360R



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