

A green John Deere tractor is shown in a field of young crops, likely corn, during a sunset. The tractor is viewed from a side-rear perspective, moving through the field. The sky is a mix of orange, yellow, and blue, with a bright sun on the left side creating a lens flare effect. The tractor has large, treaded tires and a prominent exhaust stack.

JOHN DEERE
ENGINE PARTS

JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES

TRACTOR AND ENGINE APPLICATION CHART

5E SERIES (EUROPE)			
Tractor Model	Engine		Cyl./Turbo/ Intercooler
5050E (Europe)	3029T PowerTech M	3029TPY61	3T
5050E (Europe)	3029H PowerTech EWX	3029HPY98	3TI
5055E (Europe & Australia IOOS)	3029H PowerTech	Tier 2	3TI
5055E (Europe)	3029H PowerTech M	3029HPY32	3TI
5055E (Europe)	3029H PowerTech M	3029HPY42	3TI
5055E (Europe & Australia IOOS)	3029H PowerTech M	3029HPY44	3TI
5055E (Europe)	3029H PowerTech M	3029HPY44	3TI
5055E (Europe & Australia IOOS)	3029H PowerTech M	3029HPY58	3TI
5055E (Europe)	3029H PowerTech M	3029HPY58	3TI
5058E (Europe)	3029H PowerTech EWX	3029HPY85	3TI
5058E (Europe)	3029H PowerTech EWX	3029HPY98	3TI
5065E (Europe & Australia IOOS)	3029H PowerTech	Tier 2	3TI
5065E (Europe & Australia IOOS)	3029H PowerTech M	3029HPY33	3TI
5065E (Europe)	3029H PowerTech M	3029HPY33	3TI
5065E (Europe)	3029H PowerTech M	3029HPY41	3TI
5065E (Europe & Australia IOOS)	3029H PowerTech M	3029HPY45	3TI
5065E (Europe)	3029H PowerTech M	3029HPY45	3TI
5065E (Europe & Australia IOOS)	3029H PowerTech M	3029HPY57	3TI
5065E (Europe)	3029H PowerTech M	3029HPY57	3TI
5067E (Europe)	3029H PowerTech EWX	3029HPY85	3TI
5067E (Europe)	3029H PowerTech EWX	3029HPY98	3TI
5075E (Europe & Australia IOOS)	3029H PowerTech	Tier 2	3TI
5075E (Europe)	3029H PowerTech M	3029HPY34	3TI
5075E (Europe)	3029H PowerTech M	3029HPY40	3TI
5075E (Europe & Australia IOOS)	3029H PowerTech M	3029HPY46	3TI
5075E (Europe)	3029H PowerTech M	3029HPY46	3TI
5075E (Europe)	3029H PowerTech M	3029HPY56	3TI
5075E (Europe)	3029H PowerTech EWX	3029HPY63	3TI
5075E (Europe)	3029H PowerTech EWX	3029HPY64	3TI
5075E (Europe)	3029H PowerTech EWX	3029HPY85	3TI
5075E (Europe)	3029H PowerTech EWX	3029HPY98	3TI
5075EN (Worldwide)	3029H PowerTech EWX	3029HPY98	3TI
5083E & 5083E Limited	4045T PowerTech	4045TLV53	4T
5083E & 5083E Limited	4045H PowerTech M	4045HLV56	4TI
5083EN (North America)	4045T PowerTech	4045TLV53	4T
5083EN (North America)	4045H PowerTech M	4045HLV56	4TI
5083EN (North America)	4045H PowerTech M	4045HLV58	4TI
5093E & 5093E Limited	4045T PowerTech	4045TLV54	4T
5093E & 5093E Limited	4045H PowerTech M	4045HLV60	4TI
5093EN (North America)	4045T PowerTech	4045TLV54	4T
5093EN (North America)	4045H PowerTech M	4045HLV60	4TI
5093EN (North America)	4045H PowerTech M	4045HLV62	4TI
5101E & 5101E Limited	4045T PowerTech	4045TLV56	4T
5101E & 5101E Limited	4045H PowerTech M	4045HLV64	4TI
5101EN (North America)	4045T PowerTech	4045TLV56	4T
5101EN (North America)	4045H PowerTech M	4045HLV64	4TI
5101EN (North America)	4045H PowerTech M	4045HLV66	4TI

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JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES

TRACTOR AND ENGINE APPLICATION CHART

5G SERIES			
Tractor Model	Engine		Cyl./Turbo/ Intercooler
5075GF (Europe)	FPT F5A (3.2L)	F5AE9454H	4TI
5075GF (Europe)	FPT F5D (3.4L)	F5DFL413C	4TI
5075GL (Europe)	FPT F5A (3.2L)	F5AE9484B	4TI
5075GL (Europe)	FPT F5D (3.4L)	F5DFL413C	4TI
5075GL (North America)	FPT F5D (3.4L)	F5DFL413C	4TI
5075GN (Europe)	FPT F5A (3.2L)	F5AE9454H	4TI
5075GN (Europe)	FPT F5D (3.4L)	F5DFL413C	4TI
5075GN (North America)	FPT F5D (3.4L)	F5DFL413C	4TI
5075GV (Europe)	FPT F5A (3.2L)	F5AE9454H	4TI
5075GV (Europe)	FPT F5D (3.4L)	F5DFL413C	4TI
5075GV (North America)	FPT F5D (3.4L)	F5DFL413C	4TI
5080G (Europe)	4045H PowerTech M	4045HAT80	4TI
5080G (Europe)	FPT F5D (3.4L)	F5DFL413S	4TI
5080GF (Europe)	4045H PowerTech M	4045HAT80	4TI
5080GV (Europe)	4045H PowerTech M	4045HAT80	4TI
5085GF (Europe)	FPT F5A (3.2L)	F5AE9454G	4TI
5085GL (Europe)	FPT F5A (3.2L)	F5AE9454G	4TI
5085GN (Europe)	FPT F5A (3.2L)	F5AE9454G	4TI
5085GV (Europe)	FPT F5A (3.2L)	F5AE9454G	4TI
5090G (Europe)	4045H PowerTech M	4045HAT81	4TI
5090G (Europe)	FPT F5D (3.4L)	F5DFL413T	4TI
5090GF (Europe)	4045H PowerTech M	4045HAT81	4TI
5090GF (Europe)	FPT F5D (3.4L)	F5DFL413T	4TI
5090GF (Europe)	FPT F5LG (3.6L)	F5LGL413N	4TI
5090GH (Europe)	4045H PowerTech M	4045HAT81	4TI
5090GH (Europe)	FPT F5D (3.4L)	F5DFL413T	4TI
5090GL (Europe)	FPT F5D (3.4L)	F5DFL413T	4TI
5090GL (Europe)	FPT F5LG (3.6L)	F5LGL413N	4TI
5090GN (Europe)	FPT F5D (3.4L)	F5DFL413T	4TI
5090GN (North America)	FPT F5G (3.4L)	F5GFL413L	4TI
5090GN (Europe)	FPT F5LG (3.6L)	F5LGL413N	4TI
5090GV (Europe)	4045H PowerTech M	4045HAT81	4TI
5090GV (Europe)	FPT F5D (3.4L)	F5DFL413T	4TI
5090GV (North America)	FPT F5G (3.4L)	F5GFL413L	4TI
5090GV (Europe)	FPT F5LG (3.6L)	F5LGL413N	4TI
5100GF (Europe)	4045H PowerTech M	4045HAT82	4TI
5100GF (Europe)	FPT NEF 445TA/M	F4CE9484F	4TI
5100GL (Europe)	FPT F5D (3.4L)	F5DFL413P	4TI
5100GN (Europe)	FPT NEF 445TA/M	F4CE9484F	4TI
5100GN (North America)	FPT F5G (3.4L)	F5GFL413J	4TI
5100GV (Europe)	4045H PowerTech M	4045HAT82	4TI
5105GF (Europe)	FPT F5D (3.4L)	F5DFL413R	4TI
5105GF (Europe)	FPT F5LG (3.6L)	F5LGL413N	4TI
5105GL (Europe)	FPT F5LG (3.6L)	F5LGL413N	4TI
5105GN (Europe)	FPT F5D (3.4L)	F5DFL413R	4TI
5105GN (Europe)	FPT F5LG (3.6L)	F5LGL413N	4TI
5105GV (Europe)	FPT F5LG (3.6L)	F5LGL413N	4TI
5115GF (Europe)	FPT F5LG (3.6L)	F5LGL413N	4TI
5115GN (Europe)	FPT F5LG (3.6L)	F5LGL413N	4TI
5115GV (Europe)	FPT F5LG (3.6L)	F5LGL413N	4TI

JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES

TRACTOR AND ENGINE APPLICATION CHART

5M SERIES			
Tractor Model	Engine		Cyl./Turbo/ Intercooler
5070M (Europe)	4045H PowerTech M	4045HL286	4TI
5075M (Europe)	3029H PowerTech EWX	3029HPY65	4TI
5075M (North America)	3029H PowerTech EWX	3029HPY65	4TI
5075M (Europe)	3029H PowerTech EWX	3029HPY80	4TI
5075M (North America)	3029H PowerTech EWX	3029HPY80	4TI
5075M (Europe)	3029H PowerTech EWX	3029HPY81	4TI
5075M (Europe)	3029H PowerTech EWX	3029HPY96	4TI
5075M (North America)	3029H PowerTech EWX	3029HPY96	4TI
5075M (Europe)	3029H PowerTech EWX	3029HPY97	4TI
5080M (Europe)	4045H PowerTech M	4045HL286	4TI
5085M (North America)	4045H PowerTech M	4045HLV53	4TI
5085M (Europe)	4045H PowerTech M	4045HLV54	4TI
5085M (North America)	4045H PowerTech PWX	4045HLV68	4TI
5085M (Europe)	4045H PowerTech PWX	4045HLV70	4TI
5085M (North America)	4045H PowerTech PWX	4045HLV70	4TI
5085M (North America)	4045H PowerTech PWL	4045HLV72	4TI
5085M (North America)	4045H PowerTech PWL	4045HLV75	4TI
5090M (Europe)	4045H PowerTech M	4045HL286	4TI
5090M (Europe)	4045H PowerTech PWX	4045HLV79	4TI
5090M (Europe)	4045H PowerTech PWS	4045HLV81	4TI
5090M (North America)	4045H PowerTech PWL	4045HLV78	4TI
5090M (North America)	4045H PowerTech PWS	4045HLV81	4TI
5095M (Worldwide)	4045H PowerTech M	4045HLV52	4TI
5095M (Worldwide)	4045H PowerTech M	4045HLV55	4TI
5095MH (North America)	4045H PowerTech M	4045HLV52	4TI
5100M (Europe)	4045H PowerTech M	4045HL286	4TI
5100M (North America)	4045H PowerTech PWX	4045HLV68	4TI
5100M (Europe)	4045H PowerTech PWX	4045HLV70	4TI
5100M (North America)	4045H PowerTech PWX	4045HLV70	4TI
5100M (North America)	4045H PowerTech PWL	4045HLV72	4TI
5100M (North America)	4045H PowerTech PWL	4045HLV75	4TI
5100M (Europe)	4045H PowerTech PWX	4045HLV79	4TI
5100M (Europe)	4045H PowerTech PWS	4045HLV81	4TI
5100M (North America)	4045H PowerTech PWL	4045HLV78	4TI
5100M (North America)	4045H PowerTech PWS	4045HLV81	4TI
5100MH (North America)	4045H PowerTech PWX	4045HLV68	4TI
5100MH (North America)	4045H PowerTech PWX	4045HLV70	4TI
5100MH (North America)	4045H PowerTech PWL	4045HLV72	4TI
5100MH (North America)	4045H PowerTech PWL	4045HLV75	4TI
5100MH (North America)	4045H PowerTech PWL	4045HLV78	4TI
5100MH (North America)	4045H PowerTech PWS	4045HLV81	4TI
5100ML (North America)	4045H PowerTech PWX	4045HLV68	4TI
5100ML (North America)	4045H PowerTech PWX	4045HLV70	4TI
5100ML (North America)	4045H PowerTech PWL	4045HLV72	4TI
5100ML (North America)	4045H PowerTech PWL	4045HLV75	4TI
5100ML (North America)	4045H PowerTech PWL	4045HLV78	4TI
5105M (Worldwide)	4045H PowerTech E	4045HLV50	4TI
5105ML (North America)	4045H PowerTech E	4045HLV50	4TI
5105ML (OOS) (Worldwide)	4045H PowerTech PWL	4045HLV78	4TI
5115M (North America)	4045H PowerTech PWX	4045HLV68	4TI
5115M (Europe)	4045H PowerTech PWX	4045HLV70	4TI
5115M (North America)	4045H PowerTech PWX	4045HLV70	4TI
5115M (North America)	4045H PowerTech PWL	4045HLV72	4TI
5115M (North America)	4045H PowerTech PWL	4045HLV75	4TI
5115M (North America)	4045H PowerTech PWL	4045HLV78	4TI
5115M (Europe)	4045H PowerTech PWX	4045HLV79	4TI

JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES

TRACTOR AND ENGINE APPLICATION CHART

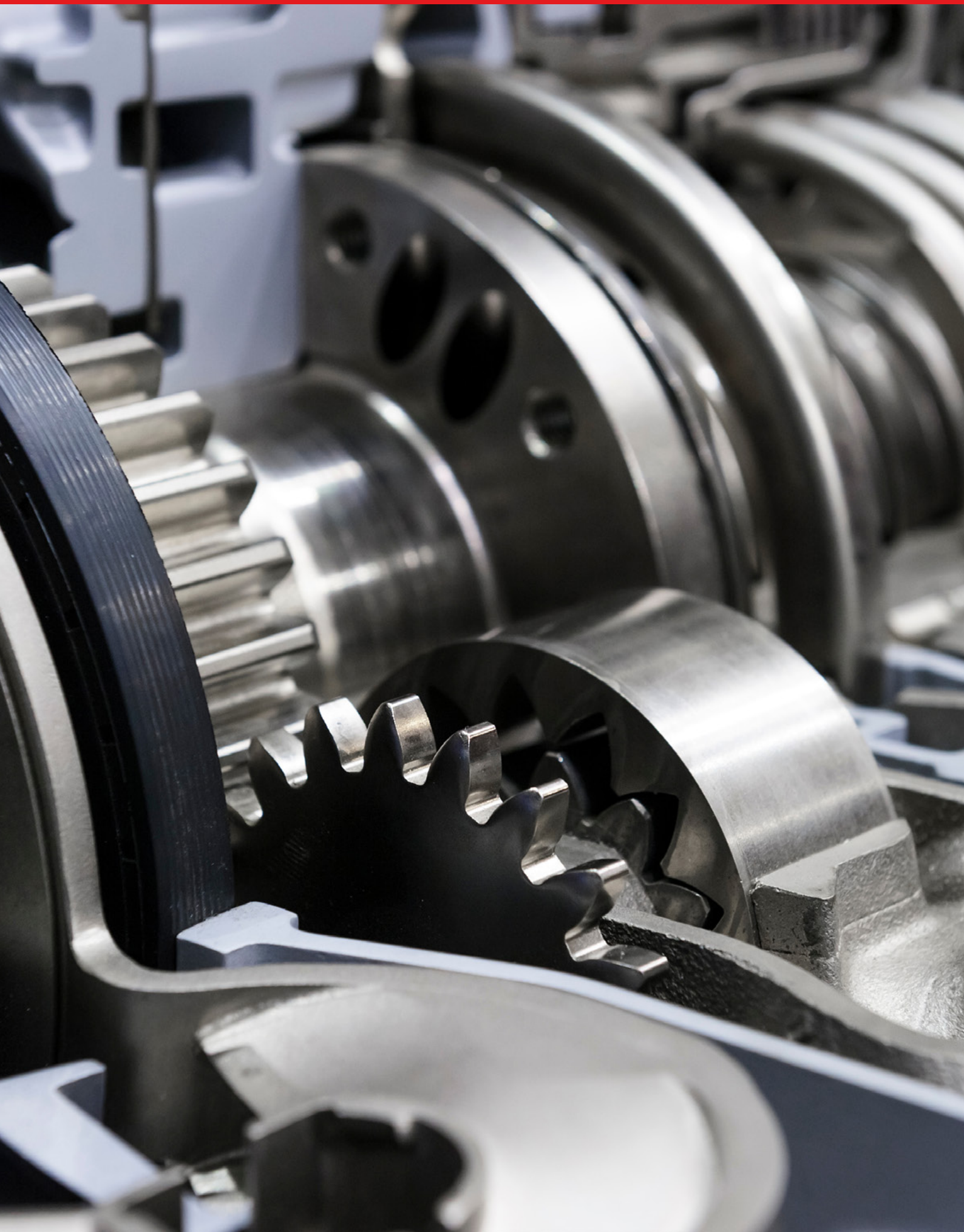
5M SERIES

Tractor Model	Engine		Cyl./Turbo/ Intercooler
5115M (Europe)	4045H PowerTech PWS	4045HLV81	4TI
5115M (North America)	4045H PowerTech PWS	4045HLV81	4TI
5115ML (North America)	4045H PowerTech PWX	4045HLV68	4TI
5115ML (North America)	4045H PowerTech PWX	4045HLV70	4TI
5115ML (North America)	4045H PowerTech PWL	4045HLV72	4TI
5115ML (North America)	4045H PowerTech PWL	4045HLV75	4TI
5115ML (North America)	4045H PowerTech PWL	4045HLV78	4TI
5120ML (OOS) (Worldwide)	4045H PowerTech PWL	4045HLV78	4TI
5125M (North America)	4045H PowerTech PWL	4045HLV78	4TI
5125ML (North America)	4045H PowerTech PWL	4045HLV78	4TI
5130ML (OOS) (Worldwide)	4045H PowerTech PWL	4045HLV78	4TI

5R SERIES

Tractor Model	Engine		Cyl./Turbo/ Intercooler
5080R (Europe)	4045H PowerTech E	4045HL284	4TI
5080RN (Europe)	4045H PowerTech E	4045HL284	4TI
5090R (Europe)	4045H PowerTech E	4045HL284	4TI
5090R (Europe)	4045H PowerTech PWX	4045HLV74	4TI
5090R (North America)	4045H PowerTech PWL	4045HLV73	4TI
5090RN (Europe)	4045H PowerTech E	4045HL284	4TI
5100R (Europe)	4045H PowerTech E	4045HL284	4TI
5100R (Europe)	4045H PowerTech PWX	4045HLV74	4TI
5100R (North America)	4045H PowerTech PWL	4045HLV73	4TI
5100RN (Europe)	4045H PowerTech E	4045HL284	4TI
5115R (Europe)	4045H PowerTech PWX	4045HLV74	4TI
5115R (North America)	4045H PowerTech PWL	4045HLV73	4TI
5115RH (North America)	4045H PowerTech PWL	4045HLV73	4TI
5125R (Europe)	4045H PowerTech PWX	4045HLV74	4TI
5125R (North America)	4045H PowerTech PWL	4045HLV73	4TI

**JOHN DEERE ENGINE PARTS
5E (EUROPE), 5G, 5M & 5R SERIES**



JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES

ENGINE ROTATION - CRANKSHAFT & BEARINGS



3 CYLINDER ENGINES

Model	Engine type	Crankshaft	Main bearing kit	Conrod bearing kit
5050E	3029T PowerTech M	168TA7519	-	-

4 CYLINDER ENGINES

Model	Engine type	Crankshaft	Main bearing kit	Conrod bearing kit
5075GF, 5075GL, 5075GN, 5075GV, 5080G, 5090G, 5090GF, 5090GH, 5090GL, 5090GN (EU), 5090GV (EU), 5100GL, 5105GF, 5105GN	F5D (3.4L) (Tier IT4)	-	168TA7520	contains (4 x 168TA8385 ER0008097865)
5090GN (NA), 5090GV (NA), 5100GN (NA)	F5G (3.4L) (Tier FT4)			
5090GF, 5090GL, 5090GN (EU), 5090GV (EU), 5105GF, 5105GL, 5105GN, 5105GV, 5115GF, 5115GN, 5115GV	F5LG (3.6L) (Stage V)	168TA7522	168TA7523 contains (4 x 168TA8389 RE65165 + 1 x 168TA8390 RE65168)	168TA7524 contains (4 x 168TA8387 RE65908)
5070M, 5080M, 5085M, 5090M, 5095M, 5095MH, 5100M	4045H PowerTech M (Tier 3)			
5080R, 5080RN, 5090R, 5090RN, 5100R, 5100RN, 5105M, 5105ML	4045H PowerTech E (Tier 3)			
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5115M, 5115ML, 5115R, 5125R	4045H PowerTech PWX (Tier IT4)			
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5105ML (OOS), 5115M, 5115ML, 5115R, 5115RH, 5120ML (OOS), 5125M, 5125ML, 5125R, 5130ML (OOS)	4045H PowerTech PWL (Tier FT4)			
5090M, 5100M, 5100MH, 5115M	4045H PowerTech PWS (Stage V)			

ENGINE ROTATION - CRANKSHAFT RELATED COMPONENTS



Model	Engine type	Front seal	Rear seal
5070M, 5080M, 5090M, 5100M	4045H PowerTech M (Tier 3)	168TA7525	168TA7526
5085M, 5095M, 5095MH			
5105M, 5105ML	4045H PowerTech E (Tier 3)		
5080R, 5080RN, 5090R, 5090RN, 5100R, 5100RN			
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5115M, 5115ML, 5115R, 5125R	4045H PowerTech PWX (Tier IT4)		
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5105ML (OOS), 5115M, 5115ML, 5115R, 5115RH, 5120ML (OOS), 5125M, 5125ML, 5125R, 5130ML (OOS)	4045H PowerTech PWL (Tier FT4)		
5090M, 5100M, 5100MH, 5115M	4045H PowerTech PWS (Stage V)		

ENGINE POWER - CONNECTING RODS & PARTS



Model	Engine type	Conrod
5055E, 5065E, 5075E	3029H PowerTech	168TA7527
5050E, 5058E, 5067E 5075E (Except 3029HPY63 & 64), 5075EN 5075M (Except 3029HPY65)	3029H PowerTech EWX	168TA7528

JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES

ENGINE POWER - PISTONS, RING SETS & LINERS



Model	Engine type	Kit set	Piston & rings	Piston & pin	Piston ring set	Finished liner
5050E, 5058E, 5067E 5075E (Except 3029HPY63 & 64), 5075EN 5075M (Except 3029HPY65)	3029H PowerTech EWX	168TA7529	-	-	-	-
5083E, 5083E Limited, 5083EN 5093E, 5093E Limited, 5093EN 5101E, 5101E Limited, 5101EN	4045T PowerTech	-	-	-	-	-
5083E, 5083E Limited, 5083EN 5093E, 5093E Limited, 5093EN 5101E, 5101E Limited, 5101EN	4045H PowerTech M (Tier 3)	-	-	-	-	168TA7532
5080G, 5080GF, 5080GV, 5090G, 5090GF, 5090GH, 5090GV (EU), 5100GF, 5100GV	NEF 445TA/M (Tier 3)	-	168TA7531	-	-	-
5100GF, 5100GN (EU)	4045H PowerTech E (Tier 3)	168TA7530	-	-	-	-
5080R, 5080RN, 5090R, 5090RN, 5100R, 5100RN, 5105M, 5105ML	4045H PowerTech PWX (Tier IT4)	-	-	168TA7533	-	-
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5115M, 5115ML, 5115R, 5125R	4045H PowerTech PWL (Tier FT4)	-	-	168TA7534	168TA7535	-
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5105ML (OOS), 5115M, 5115ML, 5115R, 5115RH, 5120ML (OOS), 5125M, 5125ML, 5125R, 5130ML (OOS)	4045H PowerTech PWS (Stage V)	-	-	-	-	-
5090M, 5100M, 5100MH, 5115M						

ENGINE ASPIRATION - CYLINDER HEAD & BOLTS



Model	Engine type	Cyl. head bolt kit
5075GF, 5075GL, 5075GN, 5075GV, 5080G, 5090G, 5090GF, 5090GH, 5090GL, 5090GN (EU), 5090GV (EU), 5100GL, 5105GF, 5105GN	F5D (3.4L) (Tier IT4)	168TA7536
5090GN (NA), 5090GV (NA), 5100GN (NA)	F5G (3.4L) (Tier FT4)	
5090GF, 5090GL, 5090GN (EU), 5090GV (EU), 5105GF, 5105GL, 5105GN, 5105GV, 5115GF, 5115GN, 5115GV	F5LG (3.6L) (Stage V)	

ENGINE ASPIRATION - ROCKER ARMS



Model	Engine type	Rocker Arm IN	Rocker Arm EX
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5115M, 5115ML, 5115R, 5125R	4045H PowerTech PWX (Tier IT4)	168TA7542	168TA7543
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5105ML (OOS), 5115M, 5115ML, 5115R, 5115RH, 5120ML (OOS), 5125M, 5125ML, 5125R, 5130ML (OOS)	4045H PowerTech PWL (Tier FT4)		
5090M, 5100M, 5100MH, 5115M	4045H PowerTech PWS (Stage V)		

JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES

ENGINE ASPIRATION - VALVES & COMPONENTS



Model	Engine type	Inlet valve	Exhaust valve	Valve bridge
5050E, 5058E, 5067E 5075E (Except 3029HPY63 & 64), 5075EN 5075M (Except 3029HPY65)	3029H PowerTech EWX	168TA7537	168TA7538	-
5070M, 5080M, 5085M, 5090M, 5095M, 5095MH, 5100M	4045H PowerTech M (Tier 3)	Standard	Standard	-
5080R, 5080RN, 5090R, 5090RN, 5100R, 5100RN, 5105M, 5105ML	4045H PowerTech E (Tier 3)	168TA7539	168TA7540	-
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5115M, 5115ML, 5115R, 5125R	4045H PowerTech PWX (Tier IT4)	-	-	168TA7541
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5105ML (OOS), 5115M, 5115ML, 5115R, 5115RH, 5120ML (OOS), 5125M, 5125ML, 5125R, 5130ML (OOS)	4045H PowerTech PWL (Tier FT4)	-	-	
5090M, 5100M, 5100MH, 5115M	4045H PowerTech PWS (Stage V)	-	-	

ENGINE GASKET SETS







Model	Engine type	Full gasket set	Top gasket set	Cylinder head gasket	Sump gasket	Timing cover gasket
5050E, 5058E, 5067E, 5075E, 5075EN 5075M	3029H PowerTech EWX	-	-	168TA7544	-	-
5075GF, 5075GL, 5075GN, 5075GV, 5080G, 5090G, 5090GF, 5090GH, 5090GL, 5090GN (EU), 5090GV (EU), 5100GL, 5105GF, 5105GN	F5D (3.4L) (Tier IT4)	-	-	-	168TA7545	168TA7546
5090GN (NA), 5090GV (NA), 5100GN (NA)	F5G (3.4L) (Tier FT4)	-	-	-		
5090GF, 5090GL, 5090GN (EU), 5090GV (EU), 5105GF, 5105GL, 5105GN, 5105GV, 5115GF, 5115GN, 5115GV	F5LG (3.6L) (Stage V)	-	-	-		
5070M, 5080M, 5090M, 5100M 5085M, 5095M, 5095MH	4045H PowerTech M (Tier 3)	-	168TA7547	-	-	-
5080R, 5080RN, 5090R, 5090RN, 5100R, 5100RN, 5105M, 5105ML	4045H PowerTech E (Tier 3)	168TA7548	-	-	-	-



JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES

ENGINE FILTERS



Model	Engine type	Air		Oil	Fuel	Crankcase vent
		Outer	Inner			
5050E, 5058E, 5067E, 5075E, 5075EN	3029H PowerTech EWX	-	-	-	-	168TA7549
5075M (3029HPY65)		-	-	-		
5075M (Except 3029HPY65)		-	-	-		
5070M, 5080M, 5090M, 5100M	4045H PowerTech M (Tier 3)	-	-	Filter 167TA9185  Donaldson FILTRATION SOLUTIONS	-	-
5085M, 5095M, 5095MH		-	-		-	-
5105M, 5105ML	4045H PowerTech E (Tier 3)	-	-		-	-
5080R, 5080RN, 5090R, 5090RN, 5100R, 5100RN		-	-		-	-
5085M, 5100M, 5100MH, 5100ML, 5115M & 5115ML (All with 4045HLV68 & 70)	4045H PowerTech PWX (Tier IT4)	 168TA7550 Donaldson FILTRATION SOLUTIONS	 168TA7551 Donaldson FILTRATION SOLUTIONS		Primary 168TA7552 Secondary 168TA7553 both references	-
5090M, 5100M & 5115M (All with 4045HLV79) 5090R, 5100R, 5115R, 5125R					 Baldwin FILTERS	
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5105ML (OOS), 5115M, 5115ML, 5115R, 5115RH, 5120ML (OOS), 5125M, 5125ML, 5125R, 5130ML (OOS)	4045H PowerTech PWL (Tier FT4)				-	-
5090M, 5100M, 5100MH, 5115M	4045H PowerTech PWS (Stage V)				-	-

ENGINE LUBRICATION - FILLER CAPS, DIPSTICKS, SUMP PLUGS & SEALS



Model	Engine type	Oil filler cap	Dipstick
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5115M, 5115ML, 5115R, 5125R	4045H PowerTech PWX (Tier IT4)	Cap & dipstick 168TA7554	
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5105ML (OOS), 5115M, 5115ML, 5115R, 5115RH, 5120ML (OOS), 5125M, 5125ML, 5125R, 5130ML (OOS)	4045H PowerTech PWL (Tier FT4)		
5090M, 5100M, 5100MH, 5115M	4045H PowerTech PWS (Stage V)		

ENGINE LUBRICATION - OIL COOLERS - FILTER MOUNTED



Model	Engine type	Oil cooler
5055E, 5065E, 5075E	3029H PowerTech M	3 plate 168TA7557 6 plate 168TA7558

JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES

ENGINE LUBRICATION - OIL COOLERS - ENGINE MOUNTED



Model	Engine type	Oil cooler
5100GF, 5100GN (EU)	NEF 445TA/M (Tier 3)	168TA7559

ENGINE ASPIRATION - CYLINDER HEAD & BOLTS



Model	Engine type	Cyl. head bolt kit
5055E, 5065E, 5075E	3029H PowerTech M	168TA7555
5050E, 5058E, 5067E 5075E (Except 3029HPY63 & 64), 5075EN 5075M (Except 3029HPY65)	3029H PowerTech EWX	
5070M, 5080M, 5085M, 5090M, 5095M, 5095MH, 5100M	4045H PowerTech M (Tier 3)	168TA7556
5080R, 5080RN, 5090R, 5090RN, 5100R, 5100RN, 5105M, 5105ML	4045H PowerTech E (Tier 3)	
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5115M, 5115ML, 5115R, 5125R	4045H PowerTech PWX (Tier IT4)	
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5105ML (OOS), 5115M, 5115ML, 5115R, 5115RH, 5120ML (OOS), 5125M, 5125ML, 5125R, 5130ML (OOS)	4045H PowerTech PWL (Tier FT4)	
5090M, 5100M, 5100MH, 5115M	4045H PowerTech PWS (Stage V)	

ENGINE INJECTION - GLOW PLUGS & FUEL PREHEATERS



Model	Engine type	Glow plug
5085M (EU), 5100M (EU), 5115M (EU)	4045H PowerTech PWX (Tier IT4)	168TA7560
5085M (NA), 5100MH, 5100ML, 5115ML		
5090M, 5090R, 5100M (NA), 5100R, 5115M (NA), 5115R, 5125R		

ENGINE INJECTION - FUEL FILTER ASSEMBLIES AND COMPONENTS



Model	Engine type	WIF sensor	Final filter assy.
5050E, 5058E, 5067E, 5075E, 5075EN	3029H PowerTech EWX	-	168TA7561
5075M		-	168TA7562
5105M, 5105ML	4045H PowerTech E (Tier 3)	168TA7563	-
5080R, 5080RN, 5090R, 5090RN, 5100R, 5100RN			-

JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES


ENGINE INJECTION - FUEL PUMPS & FILLER CAPS



Model	Engine type	Inline fuel pump	Fuel filler cap	Fuel filler cap with lock & keys
5055E, 5065E, 5075E	3029H PowerTech & PowerTech M	-	Black 168TA7564 Green 168TA7565	Black 168TA7566 Green 168TA7567
5080R, 5080RN, 5090R, 5090RN, 5100R, 5100RN	4045H PowerTech E (Tier 3)	167TA9215	-	-


ENGINE INJECTION - FUEL INJECTORS & PARTS



Model	Engine type	Injector assy.
5055E, 5065E, 5075E	3029H PowerTech	168TA7568
5055E, 5065E, 5075E	3029H PowerTech M	
5100GF, 5100GN (EU)	NEF 445TA/M (Tier 3)	168TA7569  BOSCH Invented for life
5085M, 5100M, 5100MH, 5100ML, 5115M, 5115ML (All with 4045HVL68)	4045H PowerTech PWX (Tier IT4)	168TA7570

ENGINE INJECTION - FUEL RAIL PARTS



Model	Engine type	Injector assy.
5055E, 5065E, 5075E	3029H PowerTech	168TA7568
5055E, 5065E, 5075E	3029H PowerTech M	
5100GF, 5100GN (EU)	NEF 445TA/M (Tier 3)	168TA7569  BOSCH Invented for life
5085M, 5100M, 5100MH, 5100ML, 5115M, 5115ML (All with 4045HVL68)	4045H PowerTech PWX (Tier IT4)	168TA7570

ENGINE INJECTION - STANADYNE INJECTION PUMPS & PARTS



Model	Engine type	Injection pump
5055E, 5065E, 5075E	3029H PowerTech	168TA7572
5055E (3029HPY32, 42, 44 & 58)	3029H PowerTech M	
5085M (EU) (4045HVL54)	4045H PowerTech M (Tier 3)	168TA7573 STANADYNE [®]

JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES

ENGINE COOLING - WATER PUMPS & PARTS



Model	Engine type	Water pump	Repair kit
5085M, 5095M, 5095MH	-	-	168TA7574
5105M, 5105ML	4045H PowerTech E (Tier 3)	-	
5080R, 5080RN, 5090R, 5090RN, 5100R, 5100RN	4045H PowerTech PWX (Tier IT4)	167TA9192	
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5115M, 5115ML, 5115R, 5125R	4045H PowerTech PWL (Tier FT4)		
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5105ML (OOS), 5115M, 5115ML, 5115R, 5115RH, 5120ML (OOS), 5125M, 5125ML, 5125R, 5130ML (OOS)	4045H PowerTech PWS (Stage V)		
5090M, 5100M, 5100MH, 5115M			

ENGINE COOLING - THERMOSTATS



Model	Engine type	Thermostat
5080R, 5080RN, 5090R, 5090RN, 5100R, 5100RN	4045H PowerTech E (Tier 3)	Without seal 168TA7575 with seal 168TA7576

ENGINE COOLING - RADIATORS & HOSES



Model	Engine type	Radiator	Radiator cap
5050E	3029T PowerTech M	168TA7580	-
5085M (NA), 5100M (NA), 5100MH, 5100ML, 5115M, 5115ML (4045HLV68 & 70)	4045H PowerTech PWX (Tier IT4)	-	168TA7581
5085M (EU), 5100M (EU) & 5115M (EU) OOS (>200100) & Cab (>500100) (4045HLV70)		-	
5085M (EU), 5100M (EU) & 5115M (EU) OOS (200101>) & Cab (5001001>) (4045HLV70)		-	
5090M, 5100M, 5115M (4045HLV79)		-	
5085M, 5090M, 5100M, 5100MH, 5100ML, 5105ML (OOS), 5115M, 5115ML, 5120ML (OOS)	4045H PowerTech PWL (Tier FT4)	-	
5090M, 5100M, 5100ML, 5105ML (OOS), 5115M, 5115ML & 5120ML (OOS) (All with PowrQuad) 5125M, 5125ML, 5130ML (OOS)		-	
5090R, 5100R, 5115R, 5115RH, 5125R	4045H PowerTech PWX (Tier IT4) & PWL (Tier FT4)	-	
5090M, 5100M, 5100MH, 5115M	4045H PowerTech PWS (Stage V)	-	

ENGINE COOLING - COOLANT HEATERS



Model	Engine type	Coolant heater 110V/120V
5085M, 5100MH, 5100ML, 5115ML 5100M & 5115M (Except 4045HLV79)	4045H PowerTech PWX (Tier IT4)	168TA7582

JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES

ENGINE COOLING - V BELTS & TENSIONERS



Model	Engine type	Fan belt	Compressor belt	Belt tensioner
5100GF, 5100GN (EU)	NEF 445TA/M (Tier 3)	-	168TA7577	-
5080R, 5080RN, 5090R, 5090RN	4045H PowerTech E (Tier 3)	1930mm 168TA7578	-	-
5100R, 5100RN			-	-
5085M, 5090M, 5100M, 5100MH, 5115M	4045H PowerTech PWL (Tier FT4)	-	-	168TA7579
5100ML, 5105ML (OOS), 5115ML, 5120ML (OOS), 5125ML, 5130ML (OOS)		-	-	
5090R, 5100R, 5115R, 5115RH, 5125M, 5125R		-	-	

AIR INTAKE & EXHAUST - INLET MANIFOLDS, HEATER & GASKETS



Model	Engine type	Air intake heater
5070M, 5080M, 5090M, 5100M 5085M (4045HLV54), 5095M (4045HLV55)	4045H PowerTech M (Tier 3)	168TA7583
5085M (4045HLV53), 5095M (4045HLV52) 5095MH		
5105M, 5105ML	4045H PowerTech E (Tier 3)	

AIR INTAKE & EXHAUST - EXHAUST MANIFOLDS & PARTS



Model	Engine type	Exhaust manifold	Exhaust gasket
5050E	3029T PowerTech M	-	168TA7585
5055E, 5065E, 5075E	3029H PowerTech	-	
5055E, 5065E, 5075E	3029H PowerTech M	168TA7584	
5075E (3029HPY63 & HPY64) 5075M (3029HPY65)	3029H PowerTech EWX	-	
5050E, 5058E, 5067E 5075E (Except 3029HPY63 & 64), 5075EN 5075M (Except 3029HPY65)		-	

AIR INTAKE & EXHAUST - TURBOCHARGERS & PARTS



Model	Engine type	Turbocharger
5070M, 5080M, 5090M, 5100M	4045H PowerTech M	168TA7586
5085M, 5095M, 5095MH		

JOHN DEERE ENGINE PARTS 5E (EUROPE), 5G, 5M & 5R SERIES

AIR INTAKE & EXHAUST - DEF DOSING PARTS



Model	Engine type	DEF Dosing injector	DEF Dosing pump
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5105ML (OOS), 5115M, 5115ML, 5115R, 5115RH, 5120ML (OOS), 5125M, 5125ML, 5125R, 5130ML (OOS)	4045H PowerTech PWL (Tier FT4)	168TA7587	168TA7588
5090M, 5100M, 5100MH, 5115M	4045H PowerTech PWS (Stage V)	BOSCH Invented for life	BOSCH Invented for life

ELECTRONIC ENGINE SENSORS



Model	Engine type	Temperature	Oil pressure	Position/Speed Crankshaft
5075GF, 5075GN, 5075GV, 5090GF, 5090GN (EU), 5090GV (EU), 5105GF, 5105GN	F5D (3.4L) (Tier IT4)	-	-	BOSCH Invented for life
5075GL, 5090GL, 5100GL	F5G (3.4L) (Tier FT4)	-	-	
5090GN (NA), 5090GV (NA), 5100GN (NA)	F5G (3.4L) (Tier FT4)	-	-	
5090GF, 5090GL, 5090GN (EU), 5090GV (EU), 5105GF, 5105GL, 5105GN, 5105GV, 5115GF, 5115GN, 5115GV	F5LG (3.6L) (Stage V)	-	-	-
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5115M, 5115ML, 5115R, 5125R	4045H PowerTech PWX (Tier IT4)	168TA7590	168TA7591	-
5085M, 5090M, 5090R, 5100M, 5100MH, 5100ML, 5100R, 5105ML (OOS), 5115M, 5115ML, 5115R, 5115RH, 5120ML (OOS), 5125M, 5125ML, 5125R, 5130ML (OOS)	4045H PowerTech PWL (Tier FT4)			-
5090M, 5100M, 5100MH, 5115M	4045H PowerTech PWS (Stage V)			-

ELECTRONIC ENGINE SENSORS



Model	Engine type	Temperature	EGR Delta pressure
5080G, 5090G, 5090GH	F5D (3.4L) (Tier IT4)	-	168TA7593
5075GF, 5075GL, 5075GN, 5075GV, 5090GF, 5090GL, 5090GN, 5090GV (EU), 5100GL, 5105GF, 5105GN	F5D (3.4L) (Tier IT4)	Air intake 168TA7592	
5090GN (NA), 5090GV (NA), 5100GN (NA)	F5G (3.4L) (Tier FT4)		
5090GF, 5090GL, 5090GN (EU), 5090GV (EU), 5105GF, 5105GL, 5105GN, 5105GV, 5115GF, 5115GN, 5115GV	F5LG (3.6L) (Stage V)	-	-

ELECTRICS



Model	Engine type	Alternator	Starter Motor
5070M, 5080M, 5090M, 5100M	4045H PowerTech M (Tier 3)	120A MAHLE 168TA7594 LucasElektrik 168TA7595	MAHLE 168TA7596 LucasElektrik 168TA7597



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