

POWERTECH® 4045TF290
OEM Engine



JOHN DEERE

PARTS CATALOG
POWERTECH® 4045TF290
OEM Engine

PC10714 (Nov-12) English

John Deere Power Systems

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To the Customer

The part numbers in this parts catalog were correct at the time your catalog was published. It is our policy to constantly improve our machines, and therefore, part numbers may change. When ordering parts, verify part numbers through your dealer.

SI Units of Measure

Metric dimensions are given, where applicable, throughout this parts catalog.

Serial Number Listing Information

Serial number information is listed to show on which machines each part can be used; for example:

- **The part can be used on all products.**
- 000000** - **The part can be used on products beginning with the serial number listed.**
- **000000** **The part can be used on products up to and including the serial number listed.**
- 000000** - **000000** **The part can be used on products between and including the serial number listed.**

When XXXXXX's are listed in place of a serial number, a serial number change was made, but the exact serial number was not available when the catalog was produced.

If product identification numbers or serial numbers are required for warranty claims or correspondence pertaining to this product, it is extremely important that all characters be furnished. This point cannot be overemphasized.

Box-enclosed Illustrations

A key number, shown in the parts list, is assigned to a box enclosing all parts sold as a service assembly. A box not keyed includes non-current parts.

Complete Goods Listings

Complete Goods are listed in bold face type. Order separately. Do not include on replacement part order.

Orientation of Engine

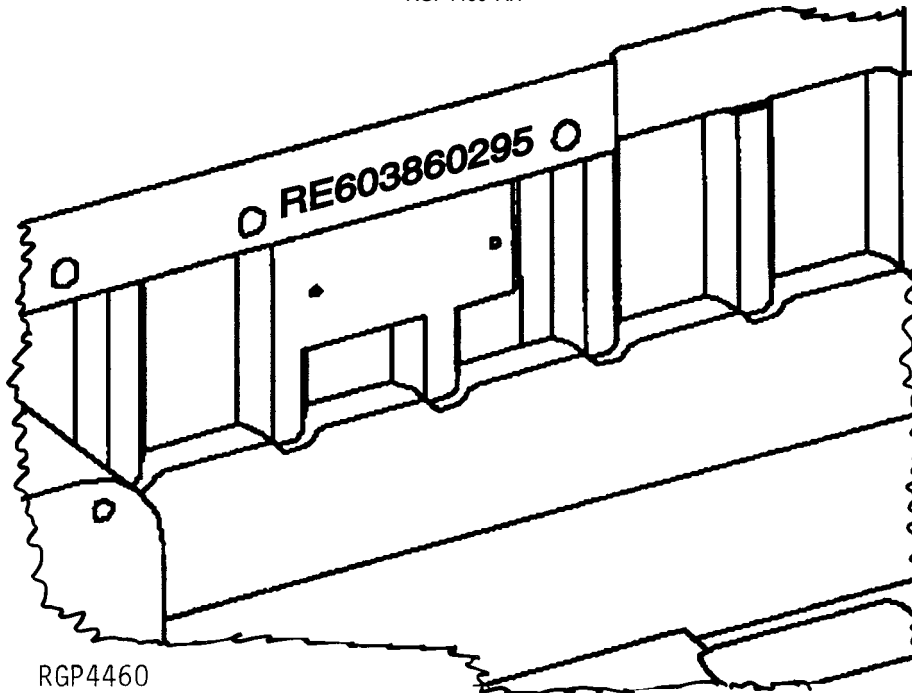
"Right Hand" and "Left Hand" sides are determined by standing at the flywheel and facing the engine.

John Deere Reman Components

The service parts listed in this catalog are intended for the repair of original equipment components. Although most service parts may be used to repair remanufactured components, the remanufacturing process may change parts sufficiently so that service parts are inadequate or not usable.

Short Block Serial Number Identification

RGP4460 A.1



RGP4460

Serial number stamped into casting of block near previous serial number plate.

- | | |
|------------|---------------------|
| 1. RE60386 | Service Part Number |
| 2. 02 | Month Assembled |
| 3. 95 | Year Assembled |

Trademarks

Throughout this parts catalog, you may find the following Deere and Company trademarks:

Best Bid™	CounterParts™	DEERE™ (Deere™)
Dura-Trax™	Fanggs™	Guardian™
HTH™	Jagz™	JDLINK™
MARKS™	MIC™ [Machine Information Center]	MTH™
Power Curve™	PowerIlel™	PowerShift Plus™
Powerwize™	POWR SAVR™	PowrShift™
ProPath™	Quad-Cool™	Quik-Tatch™
SC-2™	Side-Tracker™	Stinger™
StructureALL™	Swamper™	TMC™ [Total Machine Control]
ValueSelect™	Waratah™	Worksite Pro™
FlexBox™	Funk™	iTorque™
Phoenix™	Phoenix International™	PowerTech™
PowerTech™ E	PowerTech™ M	PowerTech™ Plus
Precision Joint™	SHIFT-O-MATIC™	SWEDA™ (Super Wide Extreme Dual Axle)
TeamMate™	TeamMate™ II	TeamMate™ IV
TMII™	TMIII™	

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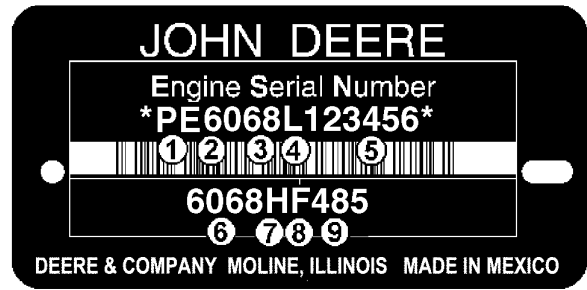
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Engine Serial Number Plate — 4045 & 6068

RGP11355 A.1



RGP11355

Engine Serial Number is Defined by 13 Characters	
First Line	Designates
1 — Two letters for engine factory designation	PE: Torreon, Mexico, CD: Saran, France, JX: Rosario, Argentina
2 — One digit for number of cylinders.	4 Cylinder, 6 Cylinder
3 — Three digits for displacement in liters	045: 4.5 Liter, 068: 6.8 Liter
4 — One letter for emission level	B= Non-Certified C= Tier1/Stage I emission level G= Tier 2/Stage II emission level L= Tier 3/Stage IIIA emission level R= Interim Tier 4/Stage IIIB emission level
5 — Six digits	123456= Engine build sequence number. Sequence numbers start at 000001
Engine Type is Defined by 9 Alpha-Numerical Characters	
6 — Four digits	Same as items 2 and 3 above
7 — One letter for aspiration type	A= Turbocharged with air-to-water after-cooler D= Naturally Aspirated T= Turbocharged H= Turbocharged with air-to-air after cooler S= Turbocharged with air-to-sea water after-cooler
8 — One or two letters for OEM application	F: OEM, FM: Marine, FH: HazLoc, FN: Compressed Natural Gas
8 — One or two letters for John Deere Vehicle application	DW, KV: Construction, RW, LV, L, BM: Tractor, TJ: Forestry, H, Z, CQ : Combine, N: Picker/Sprayer, E: Windrower
9 — Two or three digits for version	485
10 — Two Letter and 5 or 6 digit for engine Part number	DD12345 (Saran Only Engines)

Remarks and Abbreviations

The following remarks and abbreviations may appear throughout this parts catalog. Refer to the following table for translations.

Phrase	Meaning	Phrase	Meaning
ALSO ORDER, ORD W/	Also Order	MFWD	Mechanical Front Wheel Drive
AMP	Ampere	NA, NOT USED THIS APPL	Not used in this application
APPL, APPL ONLY	This application only	NLA	No longer available
AR	As required	NSEP	Not available separately
ASSY	Complete assembly	OD	Outside diameter
BOAC	Bolt-on cutting edge	OPTIONAL	Optional
CCW	Counter-clockwise	OR	Or
COMPLETE	Complete	ORD, ORDER	Order
COMPLETE GOODS	Complete goods	OS	Oversize
CONVENIENCE ASSY, CA	Convenience assembly	OUTER	Outer
CTL, CUT TO LENGTH	Cut to length	PKG, PACKG	Package, Packet of
CW	Clockwise	PTO	Power Take Off
ENGINE	Engine	RATIO	Ratio
FOR	For	REAR	Rear
FRONT	Front	REMAN	Remanufactured
GAS	Gasoline	REPL	Replaces
HFWD	Hydraulic Front-Wheel Drive	RH	Right-hand
HP	Horsepower	SN	Serial number
HS, HEAD MARKED	High Strength, head marked	STD	Standard
ID	Inside diameter	SUB	Replaced by
INCH	Inch	SUB COMPONENTS	Substitute components (of the kit or assy)
INCL KEYS	Includes keys...	SUB FOR	Substitutes for
INCL, INCLUDES	Includes...	TEETH, Z	Number of gear teeth
INCLUDES PARTS/ ITEMS MARKED	Includes parts/items marked...	TK	Thickness
INNER	Inner	UP, UPPER	Upper
KIT	Kit	US	Undersize
L	Number of links	USE UNTIL EXHAUSTED	Use until exhausted
LF, LINE FILL	Line Fill	USE WITH	Use with
LGP	Low Ground Pressure	VEC	Vehicle Electronic Controller
LGTH	Length	VLC	Vehicle Load Center
LH	Left-hand	W/	With
LOW, LOWER	Lower	W/O	Without
LT	Long Track	WHOLE GOODS	Whole Goods
MAKE FROM, MF	Make from	WT	Wide Track
MARKED	Marked	XLT	Extra Long Track
MATCHED SET	Matched set		

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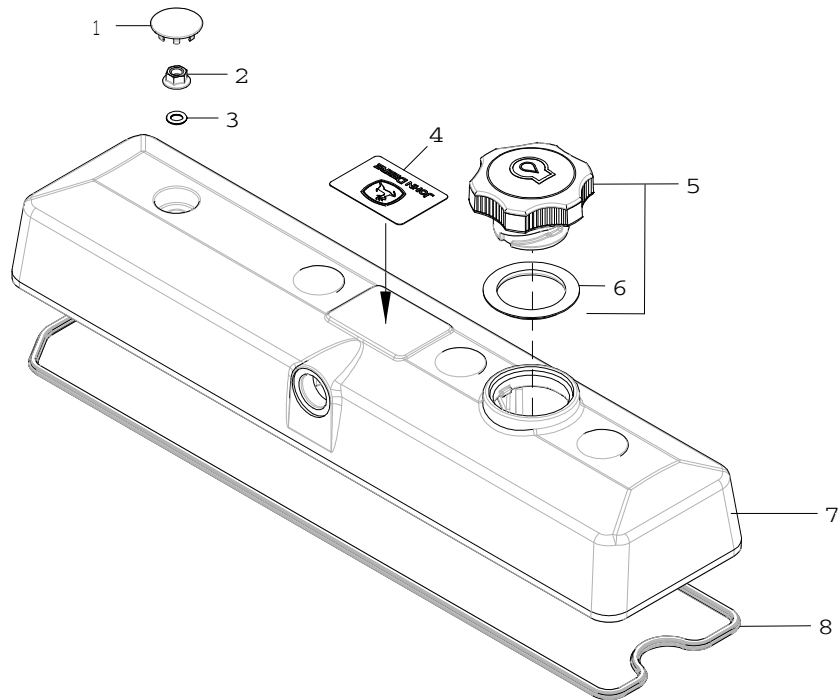
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1101 Rocker Arm Cover
 1101 Cache-culbuteurs
 1101 Kipphebeldeckel
 1101 Coperchio bilanciari
 1101 Tapa de balancines
 1101 Vipparmslock

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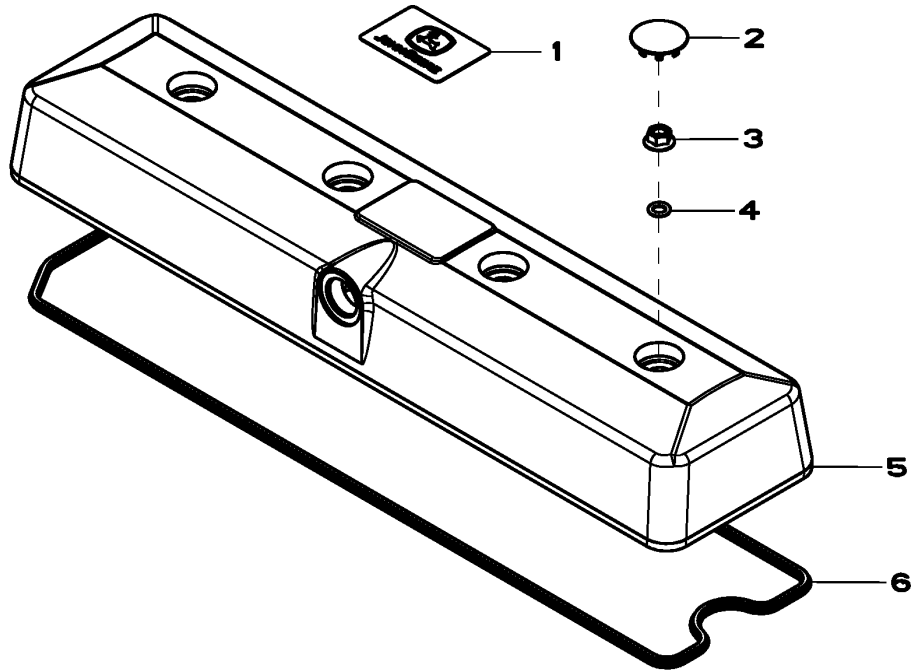


1101_RE57606_PCD

Key	Part No.	Part Name	Qty.	Engine Serial No.	Remarks
1	H23125	Plug	4		
2	R123574	Nut	4		
3	R123575	O-Ring	4		
4	R521401	Medallion	1		
5	RE535560	Filler Cap	1		
6	R502902	Packing	1		
7	RE70401	Valve Cover	1		
8	R524480	Gasket	1		

1103 Rocker Arm Cover
 1103 Cache-culbuteurs
 1103 Kipphebeldeckel
 1103 Coperchio bilancieri
 1103 Tapa de balancines
 1103 Vipparmslock

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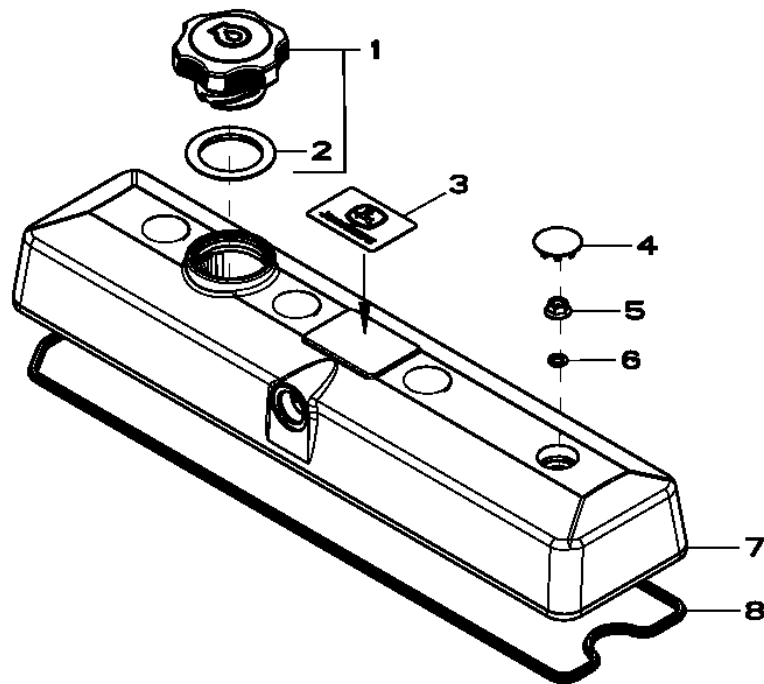
RE59798PCDF01

Key	Part No.	Part Name	Qty.	Engine Serial No.	Remarks
1	R521401	Medallion	1		
2	H23125	Plug	4		
3	R123574	Nut	4		M8
4	R123575	O-Ring	4		7.595 X 2.616 mm (0.299" X 0.103")
5	Valve Cover	1		(Marked R519779) (Order RE70401 And RE59801)
6	R524480	Gasket	1		
	RE520539	Gasket Kit	AR		(A)

(A) Suitable For High Temperature, Include Instructions
 Convient aux hautes températures
 Geeignet für Hochtemperatur, einschließlich Anleitung
 Adatto alle alte temperature
 Adecuado para temperaturas altas
 Lämplig för hög temperatur

1107 Valve Cover
 1107 Cache-soupapes
 1107 Zylinderkopfhaube
 1107 Coperchio valvole
 1107 Tapa de válvulas
 1107 Ventillock

RE60032PCDG01 A.1



RE60032PCDG01

Key	Part No.	Part Name	Qty.	Engine Serial No.	Remarks
1	RE535560	Filler Cap	1		SUB FOR RE500005
2	R502902	Packing	1		
3	R521401	Medallion	1		SUB FOR R116324
4	H23125	Plug	4		
5	R123574	Nut	4		M8
6	R123575	O-Ring	4		7.595 X 2.616 mm (0.299" X 0.103")
7	RE70403	Valve Cover	1		MARKED R519778
8	R524480	Gasket	1		SUB FOR R123542
	RE520539	Gasket Kit	AR		(A)

(A) Suitable For High Temperature, Include Instructions
 Convient aux hautes températures
 Geeignet für Hochtemperatur, einschließlich Anleitung
 Adatto alle alte temperature
 Adecuado para temperaturas altas
 Lämplig för hög temperatur