

644K Loader
PIN:1DW644K__ _C658065-
PIN:1DW644K__ _D658065-



JOHN DEERE

PARTS CATALOG

644K Loader

PIN:1DW644K__ _C658065-
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PC11253 (Aug-19) English

Worldwide Construction and Forestry Division

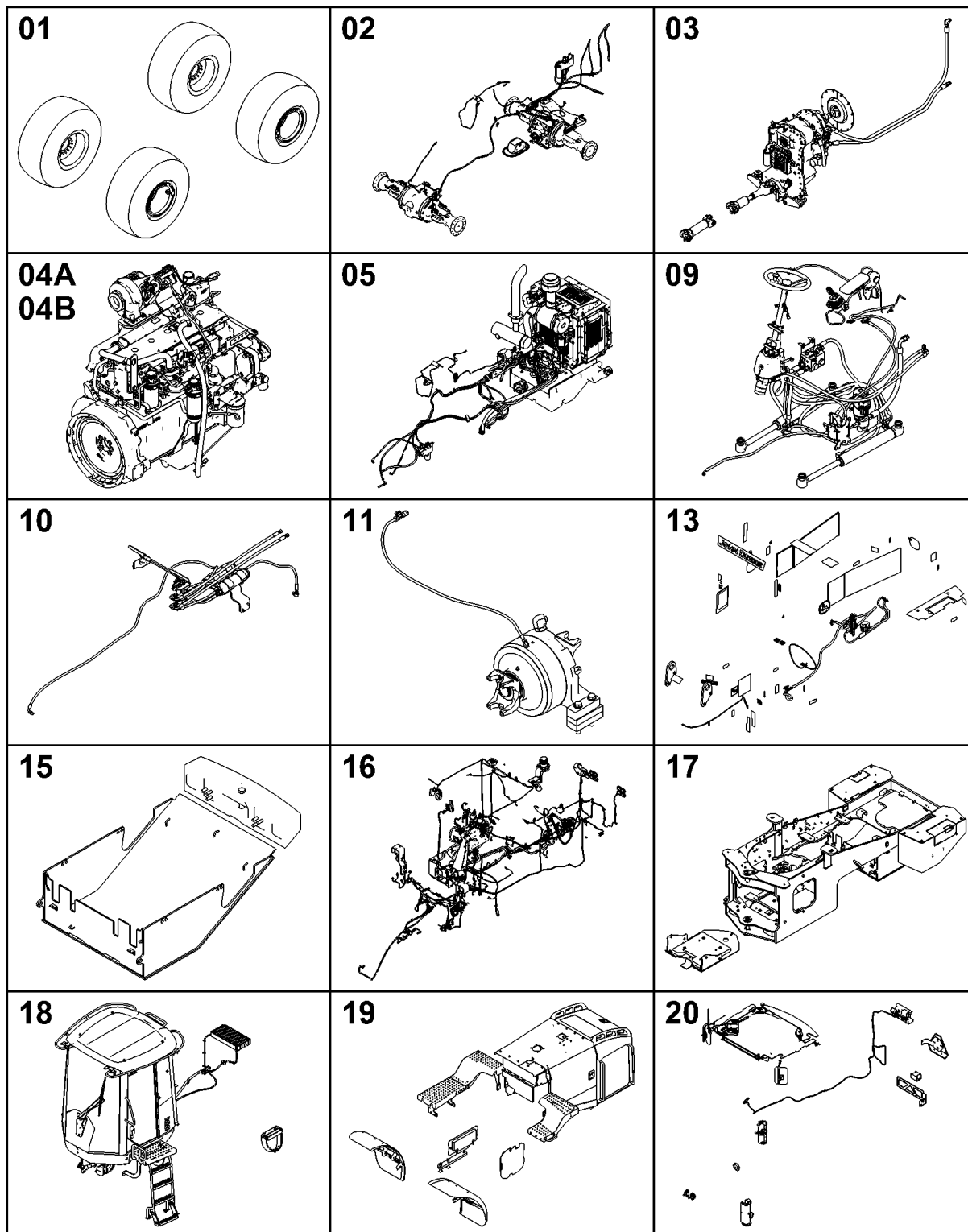
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TX1161895 B.1

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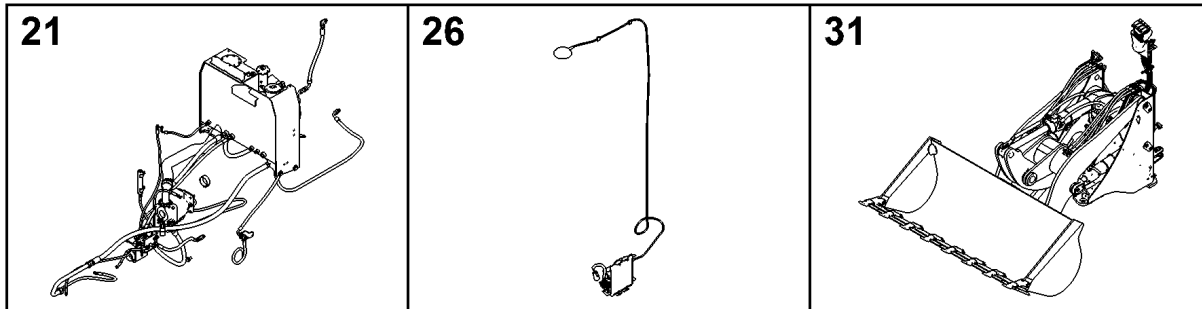


TX1161895

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TX1161896 B.1



TX1161896

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644K Loader

TX1069242A A.1



644K Loader

Engine 6068HDW80

Engine 6068HDW83

(Manufactured 2014–)

(Specifications and design subject to change without notice)

To The Customer

The part numbers in this Parts Catalog were correct at the time of publication. Per John Deere policy, we continuously improve our products. Therefore, when ordering parts verify the part numbers with your dealer.

SI Units of Measure

Metric dimensions are provided as applicable throughout this parts catalog.

Bolt and Cap Screw Strength Identification

Bolts and cap screws required to have high-strength qualities equivalent to metric property class 10.9 (SAE grade 8) or higher are identified throughout this catalog by the description 10.9, 12.9 or 14.9. All standard bolts and cap screws are metric property class 8.8 (SAE grade 5) or lower.

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 at the time of publication.

Direction Arrow

Arrows are used with illustrations to indicate the front of the unit. "Right-Hand" and "Left-Hand" sides are determined by facing in direction of machine forward travel.

Box-Enclosed Illustrations

Box-enclosed keyed parts in the illustration are available as a service assembly or an attachment. These parts may also include parts not available for service. The illustrations may not show all individual parts of an attachment. 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 (RH) and Left Hand (LH) sides are determined by standing at flywheel and facing the engine.

John Deere Remanufactured Components

The REMAN parts listed in this catalog are intended for the repair or replacement of failed or worn original equipment components. John Deere Reman components are manufactured to stringent John Deere standards and produced to original John Deere specifications that incorporates the latest design and performance improvement updates.

Serial Number Location

Each 644K Loader has six serial number plates: One for the product identification number, one for the transmission, one for the hydraulic pump, one for the engine serial number, one for each axle, and one for the control valve.

The product identification number plate is located on the left side of the engine frame near the transmission oil fill.

The transmission serial number plate is located on the lower right rear of the transmission case.

The hydraulic pump serial number plate is located on the lower left of the hydraulic pump.

The engine serial number plate is located on the left side of the engine near the water separator.

The axle serial number plates are located on the top side of each differential case.

The control valve serial number plate is located on the rear center of the control valve.

17 Digit Product Identification Number

TX1080846 A.1



TX1080846

First Line	Designates
1DW	Manufacturer — John Deere Davenport Works
644K	Model
X	Linkage Configuration Z: Z-Bar H: High Lift P: Powerllel™
A	Security Code (Factory Use Only)
A	Year Manufactured Code
0	Emissions Level C: Stage II D: Tier 3 / Stage III A
123456	Serial Number (Example)
Second Line	Designates
LOADER 644K	Unit Type

Engine Emissions Level Identification

Engine Model Number	17 Digit PIN (11 th digit)	Emissions Level
6068HDW80	xxxxxxxxxDxxxxxx	Tier 3 / Stage III A
6068HDW83	xxxxxxxxxCxxxxxx	Stage II

Engine Serial Number Plate — 4045 & 6068

RGP13837 B.1



RGP13837

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 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
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	Same as items 4 above
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)

Engine Emissions Level Identification

Engine Model Number	17 Digit PIN (11 th digit)	Emissions Level
6068HDW80	xxxxxxxxxDxxxxxx	Tier 3 / Stage III A
6068HDW83	xxxxxxxxxCxxxxxx	Stage II

John Deere 1400 Series TeamMate IV Axle Order Codes To Building Blocks

BASE MACHINE NUMBER = 2515P

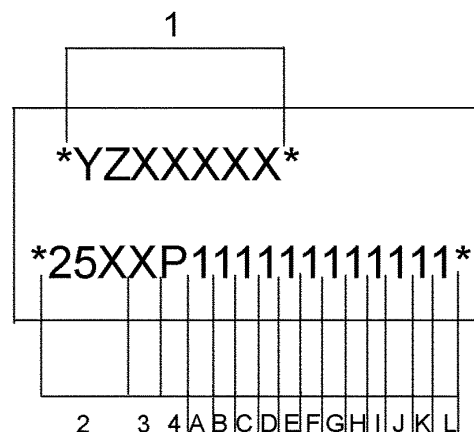
- A. PRIMARY INPUT ROTATION & AXLE TRAVEL
- =A1 - CW -TOWARD INPUT - 1111
 - =A2 - CW - AWAY FROM INPUT - 1112
 - =A3 - CCW - TOWARD INPUT - 1113
 - =A4 - CCW - AWAY FROM INPUT - 1114
- B. SPIRAL BEVEL REDUCTION
- =B1 - - - 1201
 - =B2 - 4.778:1 SPIRAL BEVEL SET - 1202
 - =B3 - 5.143:1 SPIRAL BEVEL SET - 1203
 - =B4 - 5.143:1 SPIRAL BEVEL SET PREMIUM MATERIAL - 1204
 - =B1 - 4.364:1 SPIRAL BEVEL SET - 1211
 - =B2 - 4.778:1 SPIRAL BEVEL SET - 1212
 - =B3 - 5.143:1 SPIRAL BEVEL SET - 1213
- C. INPUT YOKE SIZE AND STYLE
- =C1 - INPUT YOKE 1550 W/SLINGER - 1301
 - =C2 - INPUT YOKE 1610 W/SLINGER - 1302
 - =C3 - INPUT YOKE 7C - 1303
 - =C4 - INPUT YOKE 8.5C - 1304
- D. FLANGE TO FLANGE
- =D1 - NONE(NO AXLE SHAFTS/HSGS) - 1401
 - =D2 - 76.9" (1953 MM) 7/8" THREADED, NO MTG HOLES, NO DIPSTICK - 1402
 - =D2 - 76.9" (1953 MM) 7/8" THREADED, W/MTG HOLES,NO DIPSTICK - 1412
 - =D3 - 76.9" (1953 MM), M20 THREADED, W/MTG HOLES - 1403
 - =D3 - 76.9" (1953 MM), M20 THREADED NO MTG HOLES -1413
 - =D4 - 76.9" (1953 MM), 7/8" THREADED W/MTG HOLES, (81.2" (2063 IF 6.4:1 FINAL DRIVE)- 1404
 - =D4 - 76.9" (1953 MM), 7/8" THREADED, NO MTG HOLES, (81.2" (2063) IF 6.4:1 FINAL DRIVE) - 1414
 - =D5-SWEDA100"(2540 MM),7/8"THREADED,W/MTG HOLES,NO DIPSTICK- 1405
 - =D6 - SWEDA 100"(2540 MM),7/8"THREADED,W/MTG HOLES - 1406
 - =D6 -SWEDA 100" (2540 MM), 7/8"THREADED, NO MTG HOLES- 1416
 - =D7 -SWEDA 100" (2540 MM), 7/8"THREADED, W/MTG HOLES (CS)- 1407
 - =D7- SWEDA 100" (2540 MM),7/8"THREADED,NO MTG HOLES (CS) -1417

BASE MACHINE NUMBER = 2515P (Continued)

E.INPUT HSG & AUXILIARY BRAKE	=E1 - INPUT HOUSING, OSCILLATION MOUNTING, DUCTILE - 1501 =E1 -INPUT HOUSING, OSCILLATION MOUNTING- 1511 =E1 - INPUT HOUSING, FIXED MOUNTING - 1521 =E2 - INPUT HOUSING, OSCILLATION MOUNTING HD - 1502 =E2- INPUT HOUSING, FIXED MOUNTING HD - 1512
F.MOUNTING TYPE	=F1 - FIXED MOUNTING - 1601 =F2 - OSCILLATION, CENTER PIVOT, NO THRUST WASHER - 1602 =F3 - OSCILLATION, CENTER PIVOT, W/BRACKETS -1603
G.BRAKE TYPE	=G1 - DUAL BRAKES, USE WITH 4.800:1 FINAL DRIVE - 1701 =G1 - DUAL BRAKES, USE WITH 6.400:1 FINAL DRIVE - 1711 =G1 - DUAL BRAKES, USE WITH 7.640:1 FINAL DRIVE - 1721
H.DIFFERENTIAL TYPE	=H1 - STANDARD DIFFERENTIAL - 1821 =H2 - CLOSED CIRCUIT HYDRAULIC DIFFERENTIAL LOCK - 1802
I. DIFFERENTIAL CASE	=I1 - DIFFERENTIAL CASE, GEAR ON LEFT, OSCILLATION - 1901 =I2 - DIFFERENTIAL CASE, GEAR ON RIGHT, OSCILLATION - 1902 =I3 - DIFFERENTIAL CASE, GEAR ON LEFT, FIXED - 1903
J.FINAL DRIVE	=J1 - NO FINAL DRIVE - 2001 =J2 - 4.800:1 FINAL DRIVE ASSY - 2002 =J3- 6.400:1 FINAL DRIVE HD - 2003 =J4 - 6.400:1 FINAL DRIVE ED - 2004 =J5 - 6.400:1 FINAL DRIVE ED SWEDA - 2005 =J6 - 7.640:1 FINAL DRIVE - 2006
K. TRIM	=K1 - NOTHING (INTERFACTORY) - 2101 =K2 - INDUSTRIAL YELLO PAINT - 2102 =K3 - LOW GLOSS BLACK PAINT - 2103
L. MISC PARTS	=L1 - ID TAGE - 2201

Specification and Configuration Code Plate 1400 Series Axle

YZSN01 A.1



YZSN01

1	Specification Number — YZXXXXX
2	Master Machine Code: 251 = 1400 Series
3	Family Code: 5 = TeamMate (TM) IV Axle
4	Manufacturing Unit: P = Motores John Deere
A	Input Rotation: 1 = Clockwise; 2 = Clockwise; 3 = Counterclockwise ; 4 = Counterclockwise
B	Spiral Bevel Reduction: 1 = 4.364:1 ; 2 = 4.778:1; 3 = 5.143:1; 4 = 5.143:1 Premium Material
C	Input Yoke: 1 = 1550 w/slinger; 2 = 1610 w/ slinger; 3 = 7C; 4 = 8.5C
D	Axle Housing Flange-to-Flange Width and Wheel Mounting: 1 = None (no axle shafts and housing); 2 = 1953 mm(76.9 in); 7/8 in Threads; 3 = 1953.3 mm(76.9 in), M20 Threads; 4 = 1953.3(76.9 in), 7/8 threads (2063 mm (81.2 in) if 6.400:1 Final Drive); 5 = SWEDA 2540 mm (100 in), 7/8 in threads, Crowned Spline
E	Input Housing: 1 = Input Standard Bearing; 2 = Input Heavy Duty Bearing
F	Mounting Type: 1 = Fixed Mounting; 2 = Oscillation, Center Pivot, no thrust washer, no brackets; 3 = Oscillation, Center Pivot with brackets
G	1 = Dual Brakes
H	Differential Type: 1 = Standard; 2 = Closed Circuit Hydraulic Differential Lock (Dif-Lok)
I	Differential Case: 1 = Oscillating, Gear on Left; 2 = Oscillating, Gear on Right; 3 = Fixed Mount, Gear on Left
J	Final Drive Reduction: 1 = None (No Final Drive); 2 = 4.800:1 Standard; 3 = 6.400:1 Extreme Duty (HD); 4 = 6.400:1 Extreme Duty (ED); 5 = 6.400:1 Extreme Duty (ED SWEDA); 6 = 7.640:1
K	Trim: 1 = Nothing (no paint); 2 = Industrial Yellow Paint; 3 = Low Gloss Black Paint
L	Misc Parts: 1 = ID Tag

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™	PowerIel™	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™	

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	Counterclockwise	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
LT	Long Track	WHOLE GOODS	Whole Goods
MAKE FROM, MF	Make from	WT	Wide Tracks
MARKED	Marked	XLT	Extra Long Track
MATCHED SET	Matched set		

Chargeur 644K

TX1069242A A.1



Chargeur 644K

Moteur 6068HDW80

Moteur 6068HDW83

(Fabriqué à partir de 2014–)

(Les caractéristiques et la conception sont sujettes à modification sans préavis.)

Au client

Les numéros de référence dans ce catalogue de pièces étaient corrects au moment de la publication. Chez John Deere, notre politique est celle d'une amélioration continue des produits que nous fabriquons. Lors de la commande de pièces, il est donc recommandé de vérifier les numéros de référence auprès du concessionnaire.

Unités de mesure SI

Les dimensions sont données en unités métriques, le cas échéant, dans ce catalogue pièces.

Identification de la résistance des boulons

Les boulons devant présenter des caractéristiques de haute résistance de qualité au moins équivalente à la classe de propriété métrique 10.9 (catégorie SAE 8) sont identifiés tout au long de ce catalogue par la description 10.9, 12.9 ou 14.9. Tous les boulons standard sont de classe de propriété métrique 8.8 (catégorie SAE 5) ou inférieure.

Informations concernant la liste des numéros de série

Le numéro de série est donné dans la liste pour indiquer sur quelles machines chaque pièce peut être utilisée.

- **La pièce peut être utilisée sur tous les produits.**
- 000000** - **La pièce peut être utilisée sur tous les produits à partir du numéro de série indiqué.**
- **000000** **La pièce peut être utilisée sur tous les produits jusqu'au numéro de série indiqué inclus.**
- 000000** - **000000** **La pièce peut être utilisée sur tous les produits entre les numéros de série indiqués inclus.**

Le XXXXXX à la place du numéro de série signale que celui-ci a été modifié mais que le nouveau numéro de série n'était pas encore disponible au moment de la publication du catalogue.

Flèche directionnelle

Les flèches sont utilisées avec les illustrations pour indiquer l'avant de l'unité. Les côtés "droit" et "gauche" sont déterminés en faisant face au sens de marche avant de la machine.

Illustrations encadrées

Les pièces indiquées avec un numéro de légende dans l'encadré sont disponibles en tant qu'ensemble de rechange ou accessoire. Ces pièces peuvent aussi comporter des pièces non réparables/remplaçables. Il se peut que toutes les pièces d'un accessoire ne figurent pas dans une illustration. Un encadré sans légende contient des pièces périmées.

Listes de marchandises complètes

Les marchandises complètes sont indiquées en caractères gras. À commander séparément. Ne pas inclure sur la commande de pièces de rechange.

Orientation du moteur

Les côtés droit et gauche sont déterminés en se mettant devant le volant-moteur et en faisant face au moteur.

Composants réusinés John Deere

Les pièces de REMAN répertoriées dans ce catalogue sont destinées à la réparation ou au remplacement de composants d'équipement d'origine qui sont cassés ou usés. Les composants John Deere Reman sont fabriqués selon les normes strictes de John Deere et de manière à être conformes aux spécifications d'origine John Deere comprenant les dernières améliorations apportées à la conception et en termes de rendement.

Emplacement du numéro de série

Un chargeur 644K possède six plaques constructeurs: une pour le numéro d'identification de produit, une pour la boîte de vitesses, une pour la pompe hydraulique, une pour le numéro de série du moteur, une pour chacun de ses essieux et une pour le distributeur.

La plaque de numéro d'identification de produit se trouve sur le côté gauche du châssis du moteur, près de l'orifice de remplissage d'huile de transmission.

La plaque constructeur de boîte de vitesses se trouve sur la partie inférieure droite du carter de boîte de vitesses.

La plaque constructeur de la pompe hydraulique se trouve sur la partie inférieure gauche de la pompe hydraulique.

La plaque constructeur du moteur se trouve sur le côté gauche du moteur, près du séparateur d'eau.

La plaque constructeur de chaque essieu se trouve sur le côté supérieur de la boîte de différentiel.

La plaque constructeur du distributeur se trouve sur la partie centrale arrière du distributeur.

Numéro d'identification de produit à 17 chiffres

TX1080846 A.1



TX1080846

Première ligne	Indique
1DW	Fabricant — John Deere Davenport Works
644K	Modèle
X	Configuration de la tringlerie Z: Z-Bar H: levage élevé P: Powerl TM
A	Code de sécurité (usage réservé à l'usine)
A	Code d'année de fabrication
0	Niveau d'émissions C: Phase II D: Tier 3 / phase III A
123456	Numéro de série (exemple)
Deuxième ligne	Indique
CHARGEUR 644K	Type d'unité

Identification du niveau d'émissions du moteur

Numéro de modèle de moteur	NIP à 17 chiffres (11 ^e chiffre)	Niveau d'émissions
6068HDW80	xxxxxxxxxDxxxxx	Tier 3 / phase III A
6068HDW83	xxxxxxxxxCxxxxx	Phase II