

Parts catalogue

JOHN DEERE

ENGINES

3029TFS70 (TF270)
4045DF270 & TFS70(TF270)
4045HFS72 (HF275)
4045HFS73 (HF279)
4045TF275 & HF475
6068HFS72 (HF275)
6068HFS73 (HF279)
6068HFS76 & 77 (HF475)

ENGINES FOR GEN-SETS (TIERII - 2 & 4 VALVE)



JOHN DEERE

PARTS CATALOG

**ENGINES FOR GEN-SETS
(TIERII - 2 & 4 VALVE)**

PC2477 (May-07) English

John Deere Power Systems

Wordwide Edition

LITHO IN U.S.A. (REVISED)

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manual**

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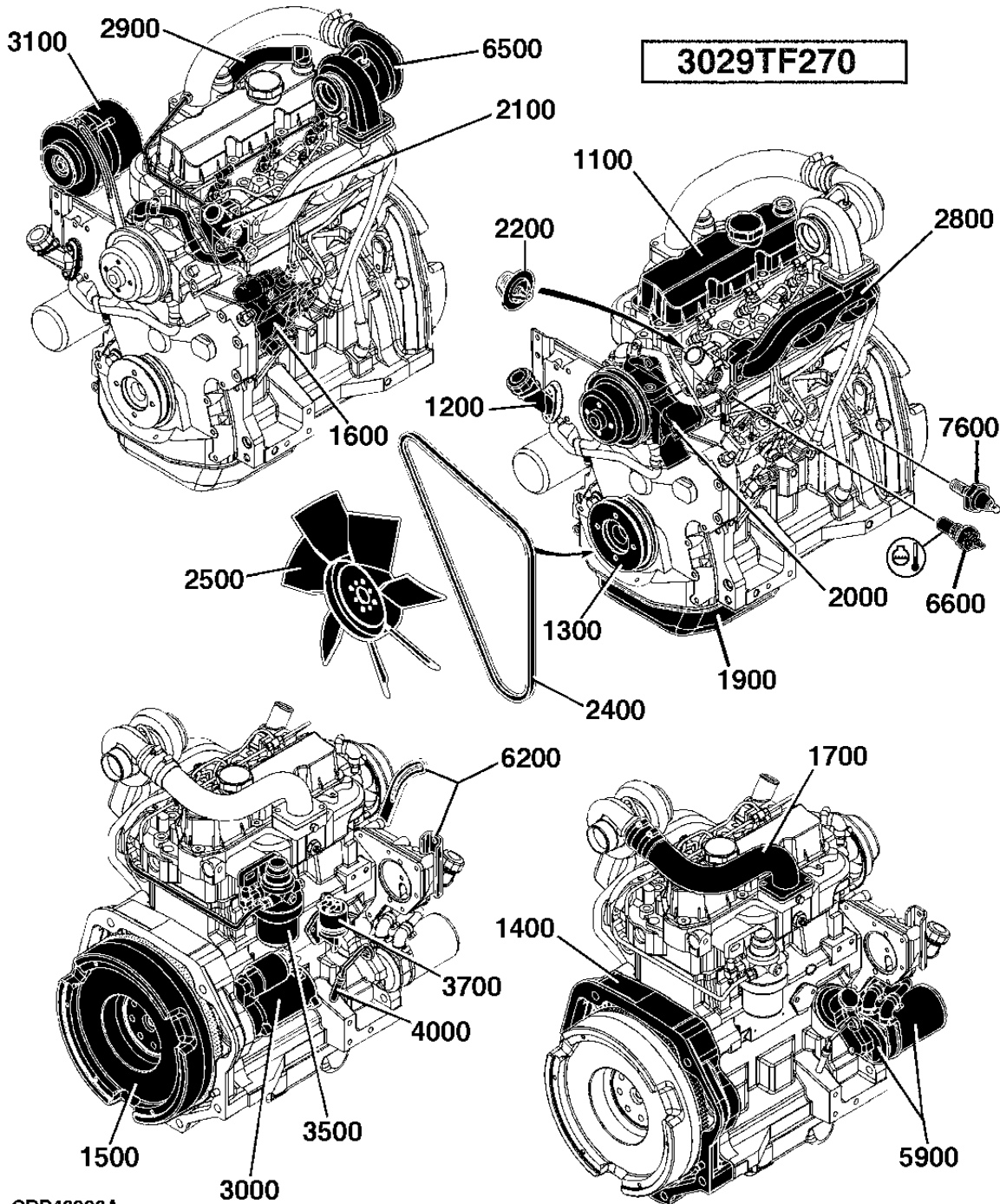
**Have any questions please write to me:
admin@servicemanualperfect.com**

10-A01

ENGINES FOR GENSETS (3029, 4045 & 6068 TIER2 - 2 & 4 VALVE)

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ILLUSTRERAD HUVUDFOERTECKNING

CDP46926A -UN-



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2400-	A01
2500-	A01
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3100-	A01
3500-	A01
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4000-	A01
5900-	A01
6200-	A01
6500-	A01
6600-	A01
7600-	A01

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10-A02

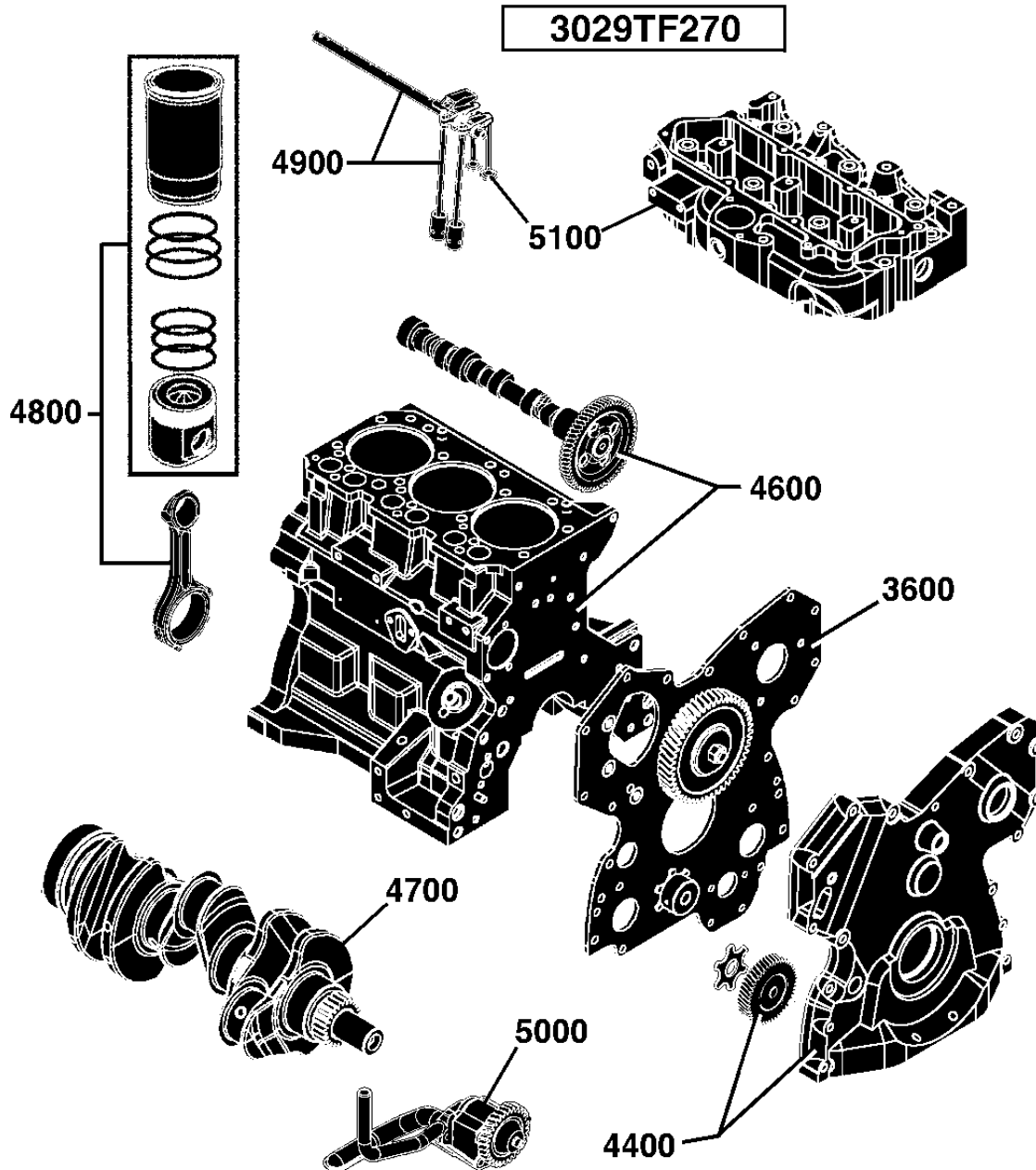
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3600-	A01
4400-	A01
4600-	A01
4700-	A01
4800-	A01
4900-	A01
5000-	A01
5100-	A01



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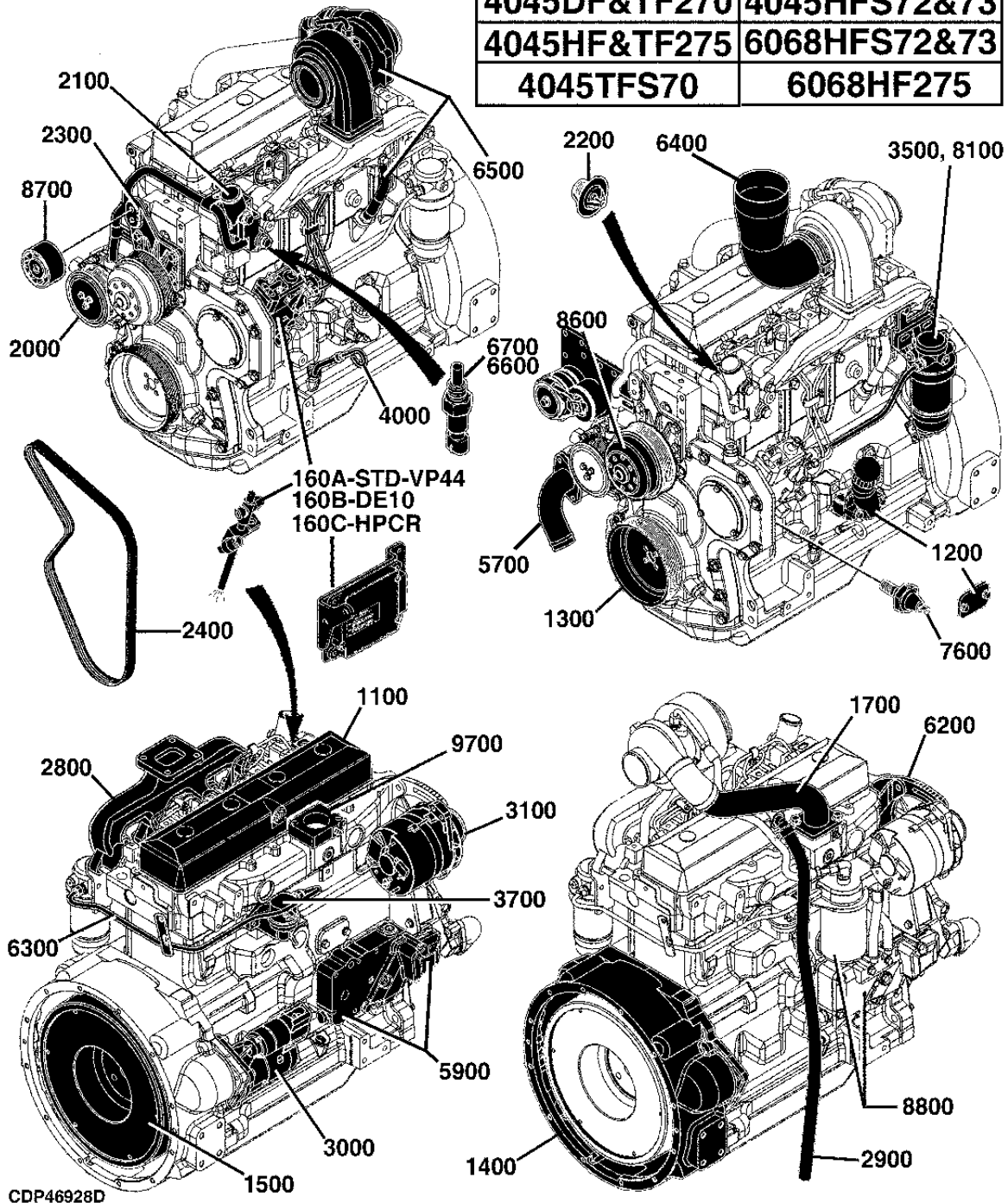
10-A03

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CDP46928D

-UN-



4045DF&TF270	4045HFS72&73
4045HF&TF275	6068HFS72&73
4045TFS70	6068HF275

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1200-	A04
1300-	A02
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160C-	A04
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2000-	A02
2100-	A02
2200-	A02
2300-	A01
2400-	A02
2800-	A02
2900-	A02
3000-	A02
3100-	A02
3500-	A02
3700-	A02
4000-	A02
5700-	A01
5900-	A02
6200-	A02
6200-	A03
6300-	A01
6400-	A01
6500-	A02
6600-	A02
6600-	A03
6700-	A01
7600-	A02
8100-	A01
8600-	A01
8700-	A01
8800-	A01
9700-	A01

10-A04

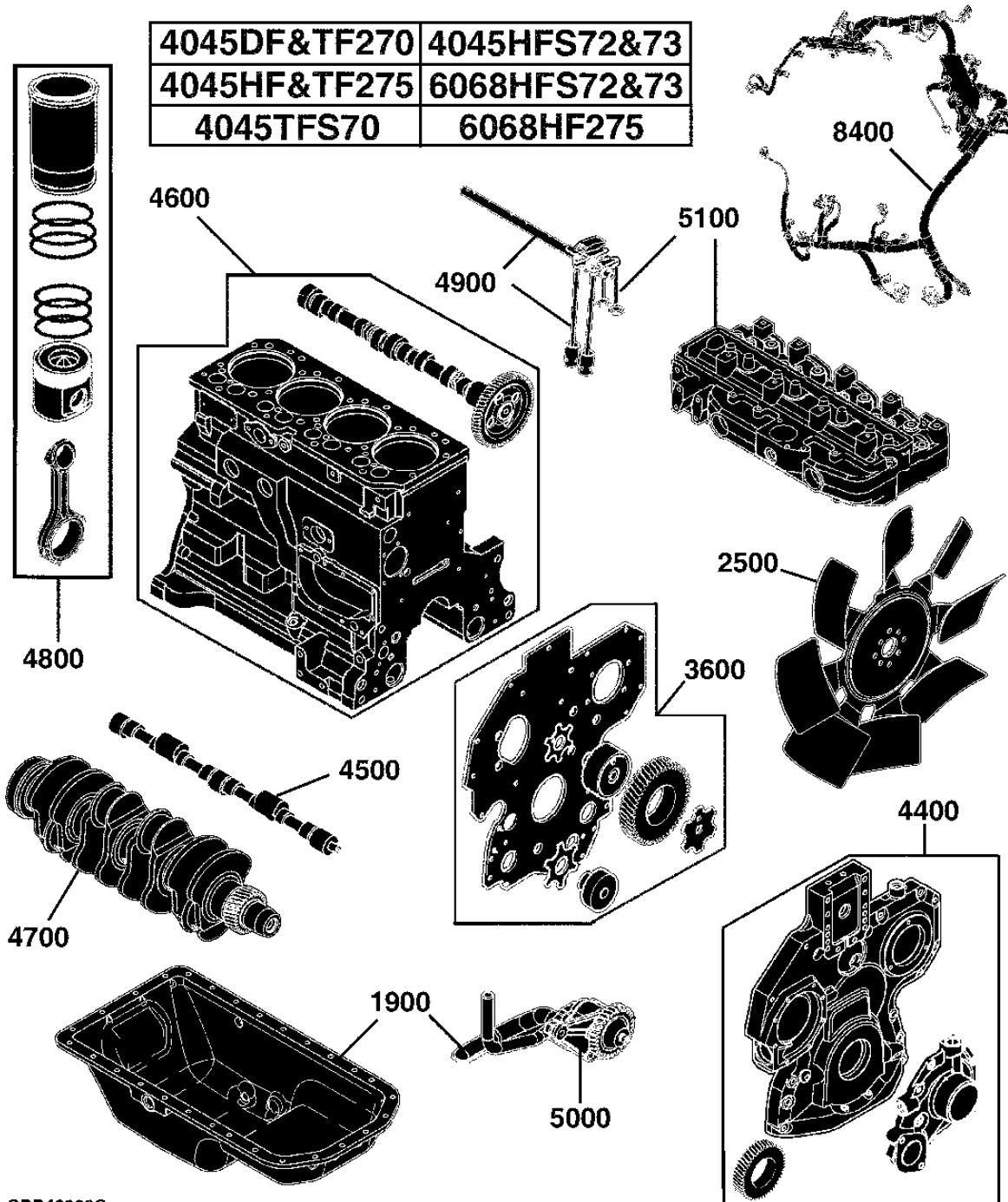
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CDP46929C

-UN-

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4045HF&TF275	6068HFS72&73
4045TFS70	6068HF275



1900-	A02
2500-	A02
3600-	A02
4400-	A02
4500-	A01
4600-	A02
4700-	A02
4800-	A02
4900-	A02
5000-	A02
5100-	A02
8400-	A01

CDP46929C

10-A05

ENGINES FOR GENSETS (3029, 4045 & 6068 TIER2 - 2 & 4 VALVE)

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INDICE DE MATERIAS

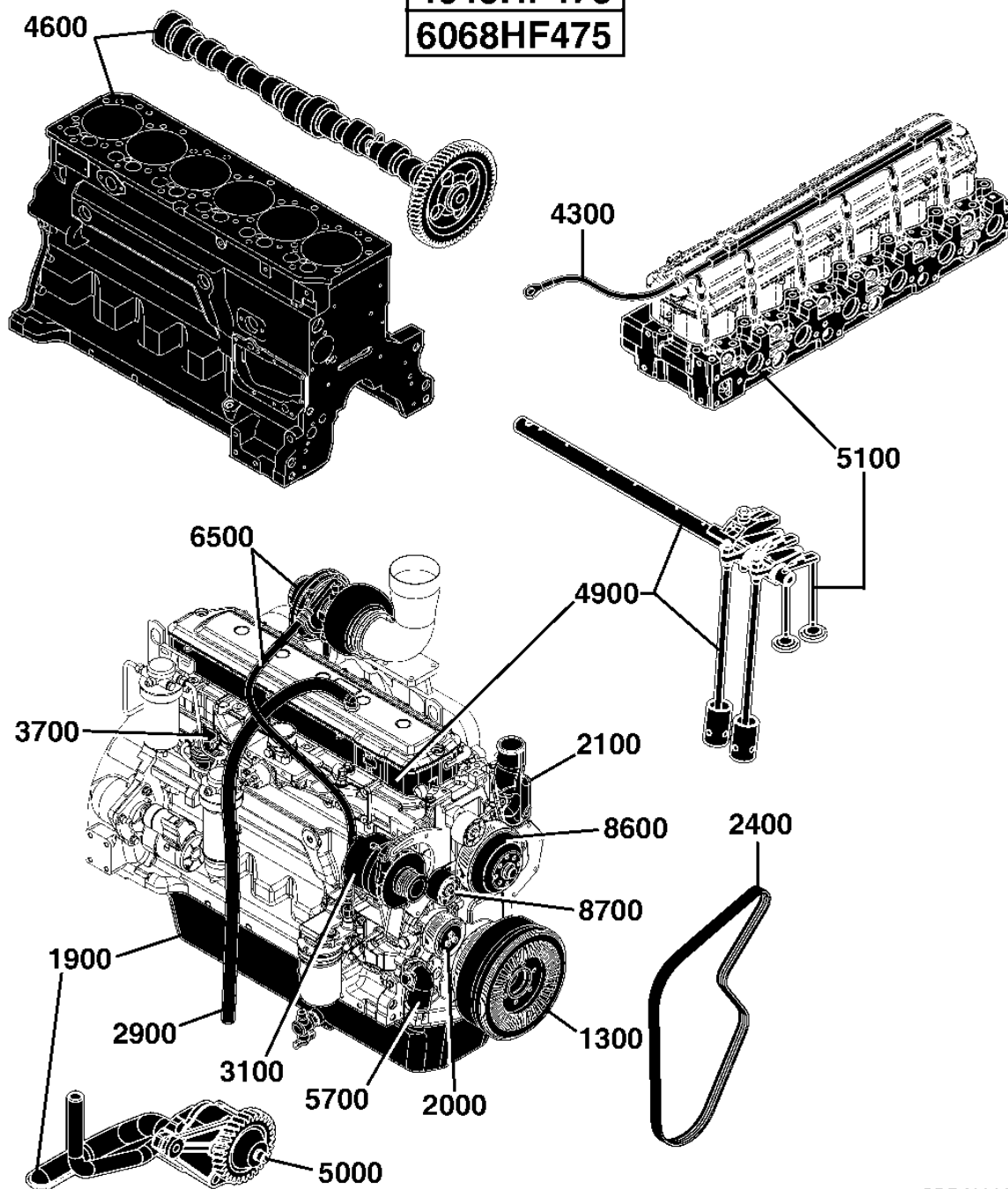
HUVUDFORTECKNING

CDP46930A

-UN-

4045HF475

6068HF475



1300-	A03
1900-	A03
2000-	A03
2100-	A03
2400-	A03
2900-	A03
3100-	A03
3700-	A03
4300-	A01
4600-	A03
4900-	A03
5000-	A03
5100-	A03
5700-	A02
6500-	A03
8600-	A02
8700-	A02

CDP46930A

10-A06

ENGINES FOR GENSETS (3029, 4045 & 6068 TIER2 - 2 & 4 VALVE)

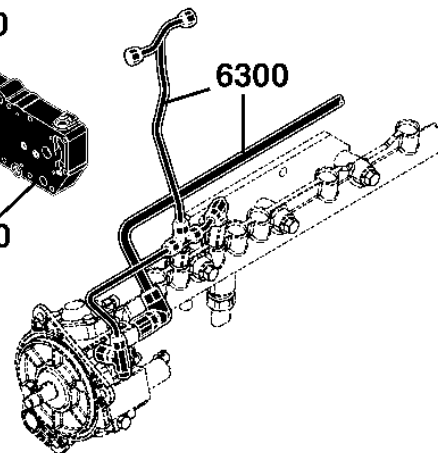
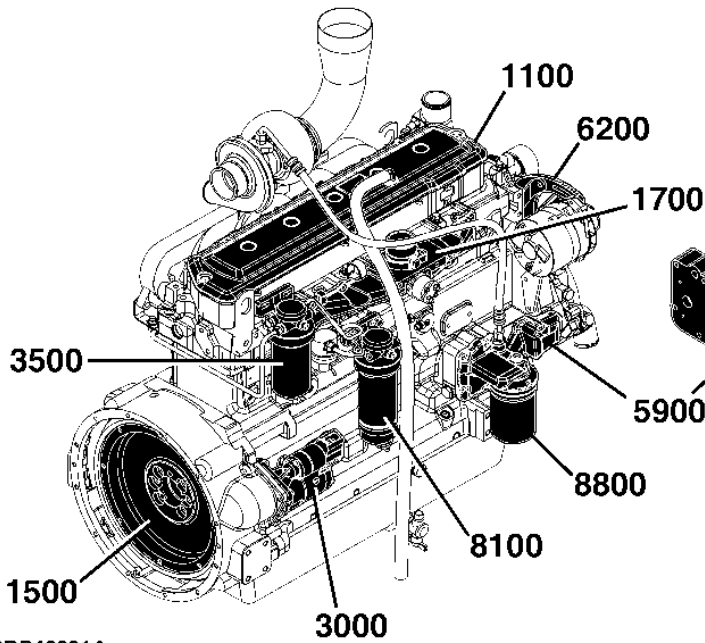
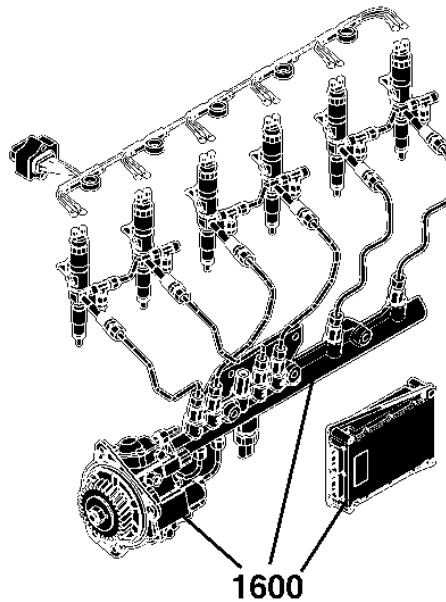
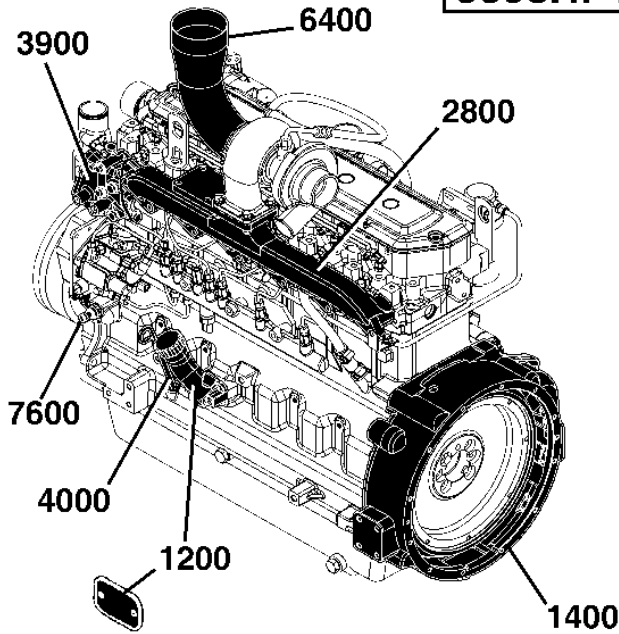
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CDP46931A

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4045HF475
6068HF475

1100-	A03
1200-	A03
1400-	A03
1500-	A03
1600-	A05
1700-	A03
2800-	A03
3000-	A03
3500-	A03
3900-	A01
4000-	A03
5900-	A03
6300-	A02
6400-	A02
7600-	A03
8100-	A02
8800-	A02



CDP46931A

10-A07

ENGINES FOR GENSETS (3029, 4045 & 6068 TIER2 - 2 & 4 VALVE)

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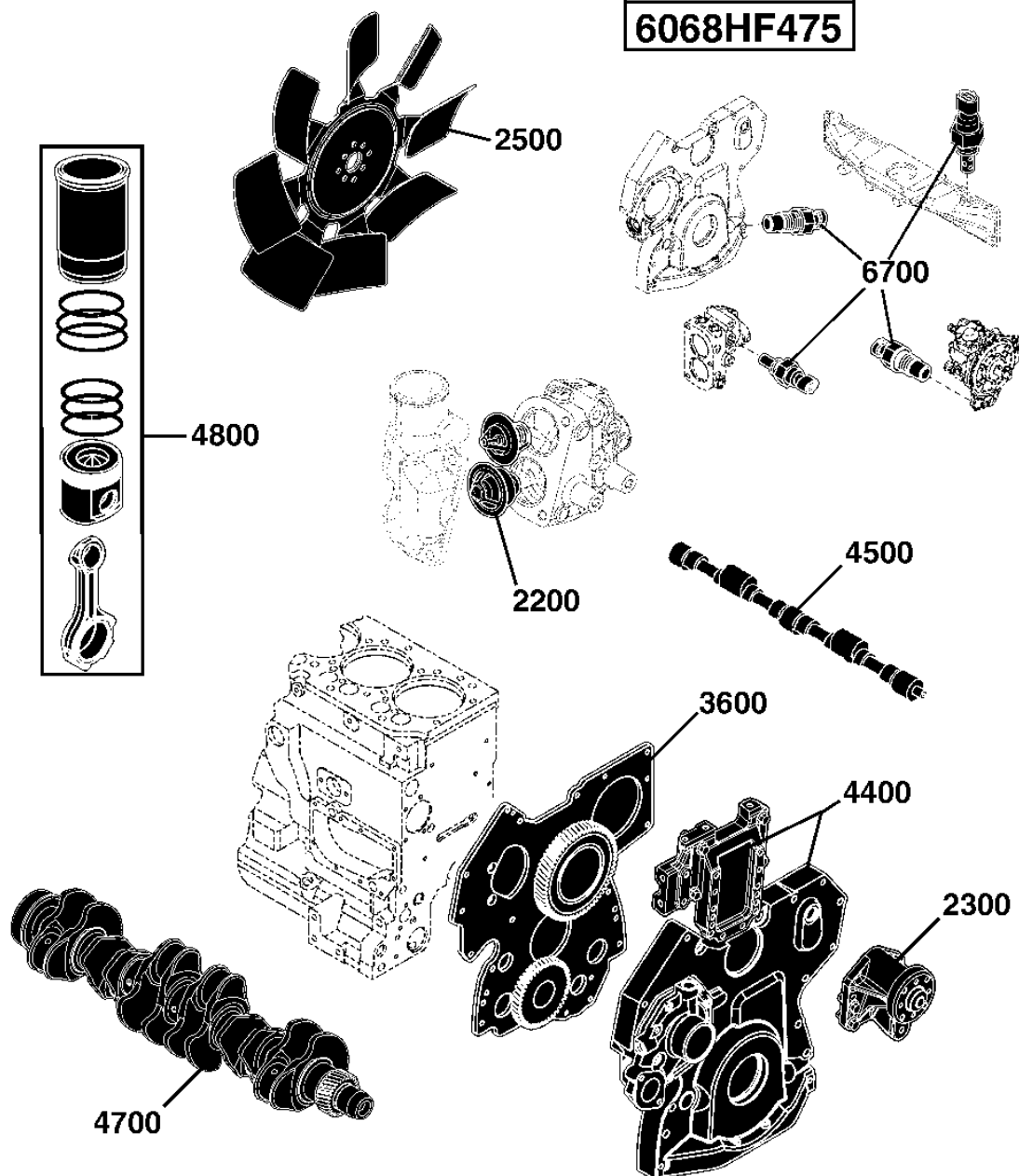
CDP46932A

-UN-

2200-	A03
2300-	A02
2500-	A03
3600-	A03
4400-	A03
4500-	A02
4700-	A03
4800-	A03
6700-	A02

4045HF475

6068HF475



CDP46932A

10-A08

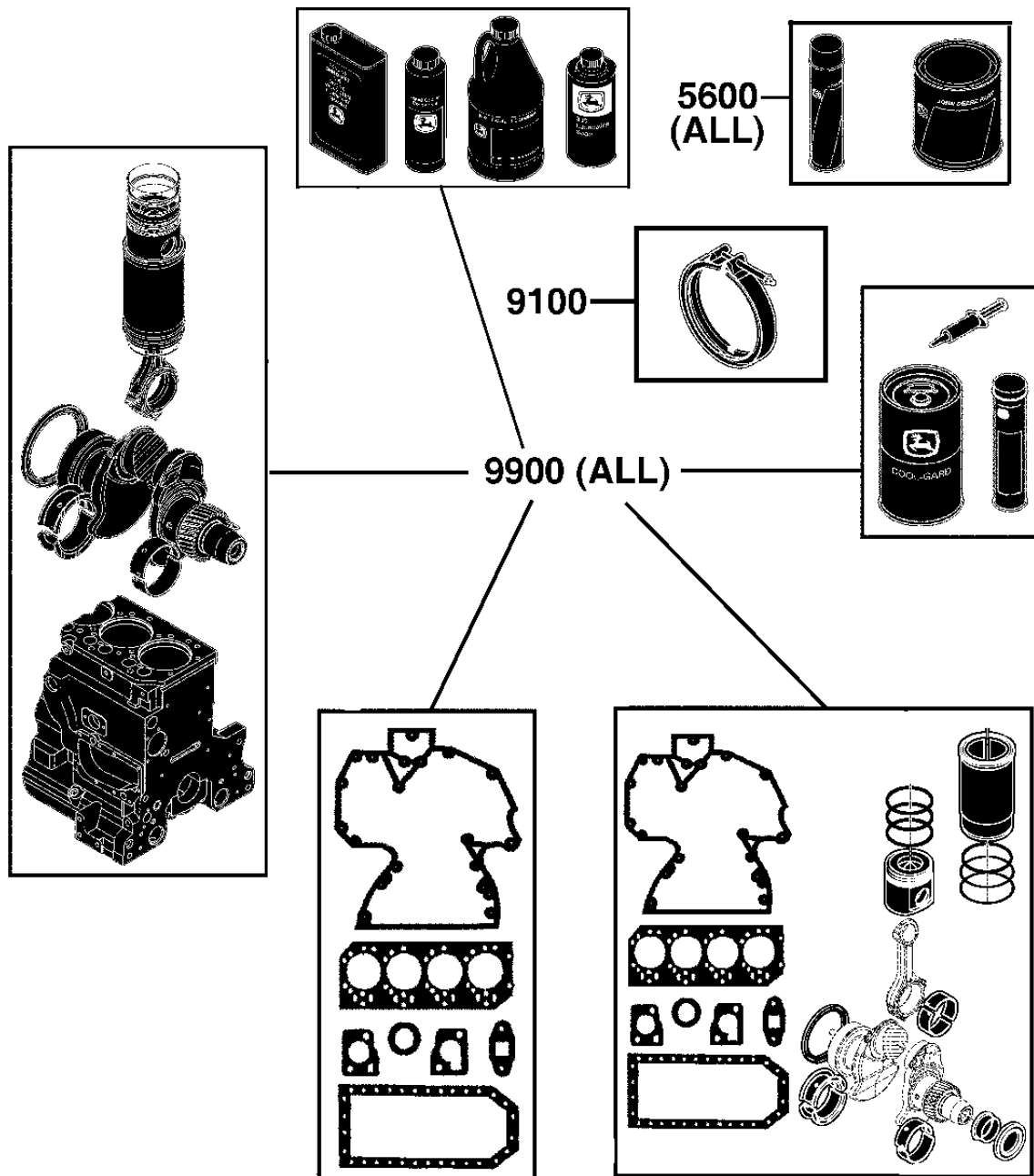
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-UN-

5600-	A01
9100-	A01
9900-	A01



CDP46933A

**FOR ENGLISH READERS
INFORMATION AND GUIDELINE OF THIS PARTS CATALOG**

BE SURE TO READ THE PARTS CATALOG GUIDELINES AND ENGINE INFORMATION FOR A PROPER
USE OF THE CATALOG AND AN EASY ORDERING OF THE PARTS (SECTION 10)

**POUR LES LECTEURS FRANCAIS
INFORMATION ET GUIDE D'UTILISATION DU CATALOGUE**

VEUILLEZ VOUS REFERER AU GUIDE D'UTILISATION DU CATALOGUE ET AUX INFORMATIONS
MOTEURS POUR UNE LECTURE FACILE NECESSAIRE A LA COMMANDE DES PIECES DE RECHANGE
(SECTION 10)

**FUER DEUTSCHE LESER
HINWEIS UND GEBRAUCHSANWEISUNG DES ERSATZTEILKATALOGS**

FUER PROBLEMLOSE ERSATZTEILBESTELLUNG WIRD GRUENDLICHES DURCHLESEN DER
GEBRAUCHSANWEISUNG UND DER MOTORINFORMATION EMPFOHLEN (KAPITEL 10)

**PER IL LETTORE ITALIANO
INFORMAZIONI E GUIDA PER L'USO DEL CATALOGO**

PER UNA LETTURA FACILE E NECESSARIO PER ORDINARE LE PEZZI DI RICAMBIO, VOGLIATE
RIFERIRVI ALLE GUIDA PER L'USO DEL CATALOGO E INFORMAZIONI MOTORI (SEZIONE 10)

**PARA LECTORES EN ESPANOL
INFORMACION Y A LA GUIA DE UTILIZACION DEL CATALOGO**

SIGA A LA GUIA DE USO DEL CATALOGO Y A LAS INFORMACIONES DE MOTOR PARA LEER
FACILMENTE Y PEDIR LAS PIEZAS DE RECAMBIO (SECCION 10)

**FOER SVENSKA LAESARE
INFORMATION OCH RAAD FOER ANVAENDNING AV KATALOGEN**

LAES BRUKSANVISNING OCH MOTOR INFORMATIONEN FOER BAESTA ANVAENDNING AV
KATALOGEN OCH ENKEL BAESTAELNING AV DELAR (SEKTION 10)

CD42168

GUIDELINES (WITH ORDERABLE OPTION CODES)

CD42169

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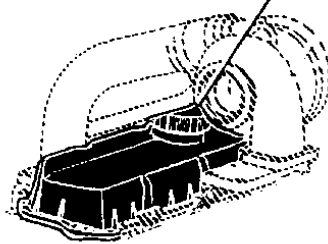


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1A3

1100 - 1A19

1100



1. Locate the part with the code

Localiser la pièce avec le code

Teil anhand des Codes bestimmen

Determinare il pezzo con il codice

Localizar la pieza por código

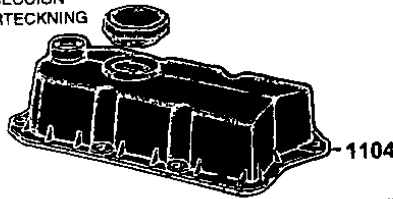
Identifiera delen med hjälp av kod



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GRUPPENINDEX
INDICE DELLA SEZIONE
INDICE DE SECCION
GRUPPSFORTECKNING

1A19

1104 - 1A20



2. Locate the grid by the code

Localiser la grille par le code

Koordinaten anhand des Codes bestimmen

Determinare la griglia con il codice

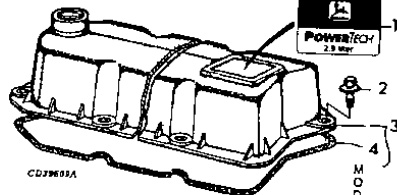
Localizar coordenadas por código

Fastställ ruta med hjälp av kod

1A20

VALVE COVER

1104



KEY	PART NO.	PART NAME	QTY	ENGINE SERIAL NO.	REMARKS
1	R130942	MEDALLION	1		X
2	RE32140	SCREW	6		X
3	RE44202	VALVE COVER	1		X
4	RT06796	O-RING	1		X

1100-1104

3. Locate the part

Localiser la pièce

Teil bestimmen

Determinare il pezzo

Localizar la pieza

Identifiera delen

CD42169

SECTION INDEX

010	INTRODUCTION
1100	VALVE COVER
1200	OIL FILLER
1300	CRANKSHAFT PULLEY
1400	FLYWHEEL HOUSING
1500	FLYWHEEL
1600	FUEL INJECTION PUMP
1700	INTAKE MANIFOLD
1900	OIL PAN
2000	WATER PUMP PULLEY
2100	THERMOSTAT COVER
2200	THERMOSTAT
2300	FAN DRIVE
2400	FAN BELT
2500	SUCTION FAN
2600	ENGINE COOLANT HEATER
2800	EXHAUST MANIFOLD
2900	VENTILATING SYSTEM
3000	STARTER
3100	ALTERNATOR
3500	FUEL FILTER AND LINES
3600	FRONT PLATE, CRANKSHAFT UPPER IDLER GEARS
3700	FUEL TRANSFER PUMP
3900	THERMOSTAT HOUSING
4000	ENGINE OIL DIPSTICK
4100	AUXILIARY FRONT DRIVE

10-4

ENGINES FOR GENSETS (3029, 4045 & 6068 TIER2 - 2 & 4 VALVE)

4300 COLD WEATHER STARTING AID

4400 TIMING GEAR COVER, WATER PUMP AND CRANKSHAFT

4500 BALANCER SHAFT

4600 CYLINDER BLOCK AND CAMSHAFT

4700 CRANKSHAFT AND MAIN BEARINGS

4800 PISTON, CONNECTING ROD, CYLINDER LINER

4900 ROCKER ARM SHAFT

5000 OIL PUMP

5100 CYLINDER HEAD, VALVES

5200 AUXILIARY DRIVE ADAPTER, LINES AND COVER

5600 PAINT

5700 WATER PUMP INLET, TUBE

5900 OIL COOLER AND FILTER

6000 AUXILIARY DRIVE

6200 ALTERNATOR BRACKETS

6300 LOW PRESSURE FUEL LINES

6400 EXHAUST ADAPTER

6500 TURBOCHARGER AND OIL LINES

6700 ENGINE SENSORS

7400 COMPRESSOR SUPPORT

7800 AIR COMPRESSOR

8100 PRIMARY FUEL FILTER

8600 FAN PULLEY

8700 AUTOMATIC AND MANUAL DRIVE BELT TENSIONER

8800 OIL FILTER AND FILTER HEAD

9700 ENGINE ACCESSORIES

9900 ENGINE SHORT BLOCK, OVERHAUL KIT, GASKET SETS, AND LUBRICANTS

ENGINE GROUPING INFORMATION

ENGINES IN THIS CATALOG ARE MANUFACTURED IN SARAN, THESE ENGINES COULD BE NATURALLY ASPIRED OR TURBOCHARGED DIESEL OR AIR TO AIR INTERCOOLED.

TO ASSIST YOUR DEALER IN GIVING YOU PROMPT AND EFFICIENT SERVICE REFER TO THE ENGINE SERIAL NUMBER PLATE FOR PROPER ENGINE TYPE IDENTIFICATION.

ENGINE SERIAL NUMBER PLATE

CDP45281

-UN-



1. DESIGNATES ENGINE MANUFACTURER
2. DESIGNATES NUMBER OF CYLINDERS
3. DESIGNATES TOTAL DISPLACEMENT (IN LITER)

4. DESIGNATES THE TYPE OF ASPIRATION

5. DESIGNATES ENGINE SERIAL NUMBER
6. DESIGNATES ENGINE USER
7. DESIGNATES ENGINE VERSION

CD - JOHN DEERE SARAN
 3, 4 OR 6
 029 (2.9 L) (BORE 106.5MM X STROKE 110MM)
 045 (4.5 L) (BORE 106.5MM X STROKE 110MM)
 068 (6.8 L) (BORE 106.5MM X STROKE 110MM)
 D - NATURALLY ASPIRATED DIESEL
 T - TURBOCHARGED DIESEL
 H - AIR TO AIR INTERCOOLER
 123456 (SIX DIGITS)
 F (OEM)
 270 (THREE DIGITS) (2 VALVE, MECHANICAL INJ.)
 275 (THREE DIGITS) (2 VALVE, ELECTRONIC INJ.)
 475 (THREE DIGITS) (4 VALVE, ELECTRONIC INJ.)

ENGINE OPTION CODE LABEL

CD30524 -UN-



ENGINE OPTION CODES

IN ADDITION TO THE SERIAL NUMBER PLATE, OEM ENGINES HAVE AN ENGINE OPTION CODE LABEL AFFIXED TO THE ROCKER ARM COVER.

THESE CODES INDICATES WHICH OF THE ENGINE OPTIONS WERE INSTALLED ON YOUR ENGINE AT THE FACTORY. WHEN IN NEED OF PARTS OR SERVICE, FURNISH YOUR AUTHORIZED SERVICING DEALER OR ENGINE DISTRIBUTOR WITH THESE NUMBERS.

THE FIRST TWO DIGITS OF EACH CODE IDENTIFY A SPECIFIC GROUP, SUCH AS AN ALTERNATOR. THE TWO LAST DIGITS OF EACH CODE IDENTIFY ONE SPECIFIC OPTION PROVIDED ON YOUR ENGINE, SUCH AS A 12 VOLTS, 55 AMPERES ALTERNATOR.

IF AN ENGINE IS ORDERED WITHOUT A PARTICULAR COMPONENT, THE LAST TWO DIGITS OF THAT FUNCTIONAL GROUP OPTION CODE WILL BE 9.

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 MACHINES.
- 000000 THE PART CAN BE USED ON ALL MACHINES UP TO AND INCLUDING THE SERIAL NUMBER.
- 000000- THE PART CAN BE USED ON ALL MACHINES BEGINNING WITH THE SERIAL NUMBER LISTED.
- 000000-000000 THE PART CAN BE USED ON ALL MACHINES BETWEEN AND INCLUDING THE SERIAL NUMBERS LISTED.

WHEN XXXXXX'S ARE LISTED IN PLACE OF SERIAL NUMBERS, A SERIAL NUMBER CHANGE WAS MADE BUT THE EXACT SERIAL NUMBER WAS NOT AVAILABLE WHEN THE CATALOG WAS PRODUCED.

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.

CHANGE INDICATOR LINE (MICROFICHE PARTS CATALOGS ONLY)

CHANGES AFFECTING THE ORDERING OF PARTS ARE IDENTIFIED BY VERTICAL LINES MARKED IN THE LEFT-HAND MARGIN OF REVISED PARTS LISTING IMAGES. A LINE IS ALSO AT THE LEFT-HAND EDGE OF THE SAME PART NUMBER IN THE NUMERICAL INDEX TO SHOW THE LOCATION OF REVISED INFORMATION.

BOLT AND CAP SCREW STRENGTH IDENTIFICATION

INCH DIMENSIONED PRODUCT: BOLTS AND CAP SCREWS REQUIRED TO HAVE HIGH-STRENGTH QUALITIES EQUIVALENT TO SAE GRADE 8 ARE IDENTIFIED THROUGHOUT THIS CATALOG BY THE DESCRIPTION SAE 8. ALL STANDARD BOLTS AND CAP SCREWS WHICH ARE SAE GRADE 5 OR LOWER ARE NOT INDICATED.

METRIC DIMENSIONED PRODUCT: BOLTS AND CAP SCREWS REQUIRED TO HAVE HIGH-STRENGTH QUALITIES EQUIVALENT TO PROPERTY CLASS 10.9 OR HIGHER ARE IDENTIFIED THROUGHOUT THIS CATALOG BY THE DESCRIPTION 10.9, 12.9 & 14.9. ALL STANDARDS BOLTS AND CAP SCREWS WHICH ARE PROPERTY CLASS 8.8 OR LOWER ARE NOT INDICATED.