

JDM
Remanufactured
Components and
Identification
for CE machines



PARTS CATALOG
REMAN COMPONENTS AND
ID FOR CE MACHINES
PC2345 (APR-05)

Preview Only

John Deere Merchandise Division
NORTH AMERICAN EDITION

Litho in U.S.A. (Revised)



Preview Only

TURBOCHARGERS

TURBOCHARGER INFORMATION IS LISTED FOR YOUR CONVENIENCE AND HAS BEEN REVISED BASED ON NEW PRODUCT PARTS CATALOG INFORMATION. SEE THE MACHINE PARTS CATALOG FOR THE LATEST TURBOCHARGER PART NUMBERS.

JOHN DEERE REMANUFACTURED COMPONENTS PROGRAM

SAVE TIME, SPEED SERVICE AND SAVE MONEY BY INSTALLING RELIABLE JOHN DEERE REMANUFACTURED COMPONENTS.

THE PROGRAM IS SIMPLE. REPLACE THE FAILED ASSEMBLY WITH A REMANUFACTURED ONE, AND "TURN IN" THE FAILED ASSEMBLY FOR CORE CREDIT. SEE SECTION 105 FOR CORE RETURN PROCEDURES.

SERVICE PARTS IN THE MACHINE PARTS CATALOG MAY NOT BE SUITABLE FOR THE REPAIR OF A REMANUFACTURED COMPONENT. A COMPONENT IS OFTEN A COMBINATION OF MORE THAN ONE OEM PART. IT WILL REPLACE THE PART, BUT MAY NOT CONTAIN THE SAME EXACT PARTS AS THE ORIGINAL OEM ASSEMBLY. WHILE THESE PARTS WORK WELL TOGETHER, THEY CAN NOT BE EASILY IDENTIFIED AFTER REMANUFACTURING. AS NEWER AND BETTER PARTS ARE AVAILABLE, THEY WILL BE USED.

INTRODUCTION

THIS PARTS CATALOG FOR REMANUFACTURED COMPONENTS HAS THREE PARTS:

MACHINE APPLICATION - SECTIONS 10 THROUGH 90.

CORE IDENTIFICATION, COMPONENT WHERE USED AND RETURN INFORMATION - SECTIONS 105 THROUGH 145.

CROSS-REFERENCE INDEX - SECTIONS 205 THROUGH 245.

FINDING WHAT REMANUFACTURED COMPONENT IS USED ON A MACHINE

TO FIND THE REMANUFACTURED COMPONENT PART NUMBER USED ON A MACHINE, SUCH AS A STARTER OR ALTERNATOR, LOOK IN THE SECTION FOR THE MACHINE (SECTIONS 10 THROUGH 85) OR USE THE ALPHABETICAL INDEX.

THE PRIMARY INDEX ON MICROFICHE SHOWS THE BEGINNING GRID NUMBER FOR EACH SECTION.

FINDING WHAT MACHINES USE A REMANUFACTURED COMPONENT

TO FIND WHAT MACHINES USE A PARTICULAR REMANUFACTURED COMPONENT, FIRST, FIND THE REMANUFACTURED COMPONENT IN THE CORE IDENTIFICATION SECTIONS - SECTIONS 105 THROUGH 145. THEN, IMMEDIATELY BELOW THE CORE IDENTIFICATION WILL BE A LIST OF MACHINES USING THAT PARTICULAR COMPONENT.

FINDING A PART NUMBER

TO FIND WHERE A PARTICULAR PART NUMBER IS LISTED, LOOK IN THE NUMERICAL INDEX, SECTION 305

A REFERENCE TO SECTIONS 10 THROUGH 90 WILL SHOW WHAT MACHINES USE THAT PART.

A REFERENCE TO SECTIONS 110 THROUGH 145 WILL SHOW THE CORE IDENTIFICATION AND THE MACHINES THAT USE THE COMPONENT FOR THAT PARTICULAR CORE NUMBER.

A REFERENCE TO SECTIONS 210 THROUGH 245 WILL SHOW THE CROSS-REFERENCE LISTINGS BETWEEN THE ORIGINAL EQUIPMENT (OE) PART NUMBER AND THE REMANUFACTURED PART NUMBER.

IMPORTANT: WHEN ORDERING MACHINE ORIGINAL EQUIPMENT PART NUMBERS, ALWAYS USE THE JOHN DEERE PARTS CATALOG FOR THE MACHINE BEING SERVICED.

(DESIGN, SPECIFICATIONS, CORES AND VALUES SUBJECT TO CHANGE WITHOUT NOTICE.)

ABBREVIATIONS

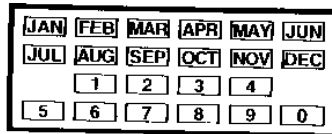
AA - AMERICAN ARMATURE (FORMERLY M & K)	MK - M & K INDUSTRIES
A - AMPS	MR (ALTERNATORS) - MFR WAS MOTOROLA, NOW IT IS PRESTOLITE
AP - ALMA PRODUCTS	MR (ELECTRONICS) - MOTOROLA
BW - BORG- WARNER (FORMERLY SCHWITZER)	NA - NOT APPLICABLE
CA - CHILL AIR	ND - DENSO OR NIPPONDENSO
CC - CONTROL CONCEPTS	NEG - NEGATIVE
CE - COMMUTATOR END VIEW	NF - C. E. NIEHOFF
CP - CHAMPION PARTS	OE - ORIGINAL EQUIPMENT
DAC - DELCO AIR CONDITIONING DIV.	OEJD - ORIGINAL EQUIPMENT JOHN DEERE
DE - DRIVE END VIEW	OEM - ORIGINAL EQUIPMENT MANUFACTURER
DR - DELCO-REMY	POS - POSITIVE
FR - FRIGIDAIRE	PR - PRESTOLITE
FS - FOUR SEASONS	RB - ROBERT BOSCH
GR - GARRETT AUTOMOTIVE (FORMERLY AIRESEARCH)	RMFD - REMANUFACTURED
HR - HARRISON RADIATOR	SCH - SCHWITZER
HT - HITACHI	SD - SAUER-DANFOSS
HY - HONEYWELL (FORMERLY GARRETT)	SRE - SLIP RING END
IE - ILLINOIS AUTO ELECTRIC (KKK)	SS - SAUER-SUNDSTRAND
IZ - ISUZU MOTORS	TJ - TIMBERJACK
LH - LINDE HYDRAULICS	V - VOLTS
MFR - MANUFACTURER	WI - WISCONSIN
	YA - YANMAR

WARRANTY DECAL INSTRUCTIONS

JOHN DEERE MERCHANDISE REMANUFACTURED PRODUCTS IN THIS CATALOG ARE WARRANTED FOR ONE YEAR OR 1500 HOURS, WHICHEVER COMES FIRST.
SEE THE SERVICE ADMINISTRATION MANUALS FOR WARRANTY ADMINISTRATION INFORMATION.
THE WARRANTY DECAL ILLUSTRATED BELOW IS TO RECORD THE WARRANTY START DATE.
WHEN INSTALLING REMANUFACTURED COMPONENTS, LIFT THE MONTH AND YEAR DATES OUT OF THE DECAL.
AN ALTERNATE PROCEDURE WOULD BE TO CROSS OUT MONTH AND YEAR DATES WITH A PERMANANT MARKER. ALL REMANUFACTURED PRODUCTS PRODUCED AFTER 31 DEC 94 HAVE A DECAL AFFIXED. SEE SERVICE INFORMATION BULLETIN, 96-13-5-2.

NOTE: THE JOHN DEERE WARRANTY GIVES THE PURCHASER SPECIFIC LEGAL RIGHTS, AND THE PURCHASER MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

TYP4620 -UN-24OCT95



TYP4620

INSTALLATION CHECKS

ALTERNATORS

MOST REMANUFACTURED ALTERNATORS HAVE AN INSTALLATION DIRECTION PACKAGED WITH THE ALTERNATOR. READ THE INSTALLATION DIRECTION BEFORE ATTEMPTING TO INSTALL THE ALTERNATOR. OBSERVE ALL SAFETY WARNINGS AND CAUTIONS. FOLLOW THE INSTRUCTIONS GIVEN IN THE DIRECTION.

MANY RETURNED ALTERNATORS ARE STILL GOOD. IN THESE CASES, THE PROBLEM WAS NOT SOLVED OR WAS SOLVED WHEN HANDLING OF THE ELECTRICAL CONNECTIONS ELIMINATED THE POOR CONNECTION THAT CAUSED THE ORIGINAL PROBLEM. A LOOSE BELT OR PULLEY NUT WILL ALSO CAUSE LOW OUTPUT AND A DISCHARGED BATTERY.

START AND RUN THE ENGINE AT FAST IDLE. THE SYSTEM VOLTAGE SHOULD RAISE TO APPROXIMATELY 14 VOLTS (27 VOLTS ON 24-VOLT SYSTEMS).

VOLTAGE DROP CHECKS:

THERE SHOULD BE LESS THAN 0.5 VOLT IN READINGS BETWEEN:

1. ALTERNATOR BATTERY (OUTPUT) TERMINAL AND THE BATTERY POSITIVE POST (NOT THE CLAMP).

2. ALTERNATOR FRAME AND THE BATTERY NEGATIVE POST (ALTERNATOR NEGATIVE TERMINAL ON AN INSULATED RETURN OF A SPLIT-LOAD 24-VOLT SYSTEM USED ON SOME EARLY JOHN DEERE TRACTORS. BE SURE TO USE THE POST OF THE CORRECT BATTERY). REMEMBER THAT IF ANY INTERNAL ELECTRICAL CIRCUIT OF AN INSULATED RETURN ALTERNATOR IS GROUNDED, HALF OF THE BATTERIES WILL USUALLY BE DISCHARGED AND THE SYSTEM WILL NOT FUNCTION CORRECTLY.

IF THE VOLTAGE DOES NOT RISE, STOP THE ENGINE, TURN THE SWITCH ON AND CHECK FOR VOLTAGE AT THE ALTERNATOR FIELD OR EXCITATION TERMINALS. DELCO STYLE ALTERNATORS SHOULD HAVE FULL BATTERY VOLTAGE AT THE NUMBER 2 VOLTAGE SENSING TERMINAL AND SIX OR MORE VOLTS AT THE NUMBER 1 FIELD EXCITATION TERMINAL.

ALTERNATORS CAN BE DAMAGED BY:

1. REVERSED POLARITY BATTERY CONNECTIONS OF TRACTOR OR BOOSTER BATTERIES.
2. GROUNDING OF THE FIELD TERMINAL OR FIELD WIRE.
3. PRYING AGAINST THE REAR HOUSING OR STATOR STACK WHEN ADJUSTING THE BELT TENSION. ALWAYS PRY AGAINST THE DRIVE END HOUSING ONLY.
4. OVERTIGHTENED BELT.
5. LOOSE BELT OR PULLEY.
6. ATTEMPTING TO POLARIZE THE ALTERNATOR. ONLY GENERATORS REQUIRE POLARIZING.
7. FAILURE TO DISCONNECT BATTERY FROM THE ELECTRICAL SYSTEM DURING FAST CHARGING.
8. NEVER DISCONNECT A BATTERY WHEN THE ENGINE IS RUNNING.

SEE THE MACHINE TECHNICAL MANUAL FOR THE RECOMMENDED CHARGING CIRCUIT TESTS.