

REPLACEMENT PARTS GUIDE

8100 Self-Propelled Forage Harvester (S.N.623000 - 623999)

CAB

FRESH AIR FILTER

[RE284091](#)

Clean after every 250 hours and replace as required.

RECIRCULATION AIR FILTER

[L214634](#)

Clean after every 250 hours and replace as required.

HYDRAULICS

OIL FILTER

[AXE27449](#) (ProDrive™ only)

Replace after the first 100 hours, then every 1000 hours.

HYDRAULIC RESERVOIR OIL FILTER

[AXE27447](#)

Replace after every 1000 hours or two years, whichever occurs first.

POWER DISTRIBUTION GEAR OIL FILTER

[AXE27449](#)

Replace after the first 100 hours, then every 1000 hours.

ENGINE

PRIMARY FUEL FILTER

[RE539465](#)

SECONDARY FUEL FILTER

[DZ112918](#)

Replace after every 500 hours and as required.

DIESEL PARTICULATE FILTER

[DZ100174](#)

Replace after 4500 hours.

ENGINE



PRIMARY AIR CLEANER

[HXE43545](#)

Clean as required and replace after every 1500 hours



DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER

[DZ114640](#)

Replace after the first year, then every 4500 hours or three years, whichever occurs first.



SECONDARY AIR CLEANER

[HXE43546](#)

Replace with each primary air cleaner change.



FUEL LINES

[H216169](#)

Replace after the first year, then every 4500 hours or three years, whichever occurs first.



OIL FILTER

[RE509672](#)

Replace after first 100 hours, then every 250 hours. If Plus-50™ II oil is used interval may be extended to 500 hours.



DIESEL EXHAUST FLUID (DEF) TANK VENT FILTER

[H216169](#)

Replace after the first year, then every 4500 hours or three years, whichever occurs first.



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CAPACITIES

CAPACITIES (Approximate):

Fuel Tank:

8100-8600 1100 L (290 gal)

DEF Tank:

8100-8600 43 L (11.4 gal)

Cooling System (Complete):

Cool-Gard™ II

8100-8200 82 L (21.7 gal)

8300-8600 113 L (29.9 gal)

Engine with Filter:

Plus-50™ II

8100-8200 37 L (9.8 gal)

8300-8600 58 L (14.8 gal)

Transmission (PBS):

GL-5

..... 9.6 L (2.53 gal)

Transmission (ProDrive™):

Hy-Gard™

..... 13 L (3.4 gal)

Final Drives (Each):

GL-5

..... 7 L (1.85 gal)

Four-Wheel Drive Rear Axle:

GL-5

Differential (Medium Duty) (8100-8600) 15.5 (4.1 gal)

In Motor Housing 1 L (0.26 gal)

Reduction Gear 0.7 L (0.19 gal)

Two-Wheel Drive Rear Axle:

GL-5

Wheel Hub 0.5 L (0.13 gal)

Hydraulic System:

Hy-Gard™

Hydraulic Oil Reservoir 50 L (13.2 gal)
(Without High Flow Dump Option)

Hydraulic Oil Reservoir 70 L (18.5 gal)
(With High Flow Dump Option)

Right Feedroll Gearbox 6.7 L (1.77 gal)

Left Feedroll Gearbox 1.2 L (0.32 gal)

Header Gearbox (Medium Duty) 0.87 L (0.22 gal)

Header Gearbox (Heavy Duty) 1.33 L (0.35 gal)

Power Distribution Gear Lubrication System:

Hy-Gard™

..... 33 L (8.7 gal)

Brake System (PBS Transmission):

DOT3 or DOT4

Brake Fluid 1 L (0.26 gal)

Water Tank Capacity:

Reservoir (8100 - 8600) 20 L (5.29 gal)

Additive Dosing System Capacity:

Reservoir (High volume) 360 L (95 gal)

Reservoir (Low volume) 30 L (8 gal)

Air Compressor System Capacity (Optional):

Reservoir 40 L (10.6 gal)

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FEED ROLLS

STEEL BAR

- [HXE93580](#) (UPPER)
- [HXE100098](#) (LOWER)
- [HXE134927](#) (FILLER BAR)
- [Z74127](#) (SCREW)
- [Z74128](#) (NUT)

Made of heavy-duty, induction hardened stainless steel.

CUTTERHEAD

CUTTERHEAD KNIVES

- [HXE185150](#) (GRASS)
- [HXE185152](#) (CORN)

Tough tungsten carbide coating for high quality cutting, longer wear life and lower engine power demands.

KNIFE FIXING PARTS

- [HXE120441](#) (COVER)
- [HXE143972](#) (KNIFE BOLT)

Secure hold and controlled retraction due to defined hardening, high-quality steel and sandblasted finishing.

SHEARBAR

- [HXE142407](#) (GRASS)
- [HXE142406](#) (CORN)
- [HXE172985](#) (DURALINE PLUS)

Sharp edge and high wear resistance for an exact and efficient cut.

SHARPENING STONE

- [AXE17437](#)
- Special composite material for the perfect edge and strong bond to the mounting plate

BLOWER PADDLES

- BLADE**
- [HXE37067](#)

Long lifetime and a efficient crop acceleration with a perfect throw distance.



JD PREMIUM KERNEL PROCESSOR

KERNEL PROCESSOR ROLLS

- [AXE43571](#) (STANDARD, NON-COATED) (Z = 118)
- [AXE94568](#) (STANDARD, FRONT) (Z = 118)
- [AXE94569](#) (STANDARD, REAR) (Z = 144)
- [AXE43643](#) (TRIANGULAR, NON-COATED) (Z = 238)
- [AXE90183](#) (STANDARD, COATED, FRONT) (Z = 118)
- [AXE84270](#) (XCUT, FRONT) (Z = 105)
- [AXE84271](#) (XCUT, REAR) (Z = 135)
- [AXE43641](#) (DURA LINE™, NON-COATED, FRONT) (Z = 178)
- [AXE43642](#) (DURA LINE™, NON-COATED, REAR) (Z = 178)
- [AXE94781](#) (STANDARD, FRONT) (Z = 118)
- [AXE94782](#) (STANDARD, REAR) (Z = 144)



Strong shafts and exactly hardened teeth.

KERNEL PROCESSOR BEARING AND SEAL KIT

- [AXE59430](#) (SPHERICAL ROLLER BEARING)
- [AXE59608](#) (SEAL KIT, RH)
- [AXE59607](#) (SEAL KIT, LH)



KERNEL PROCESSOR DRIVE BELT AND IDLER

- [HXE39119](#) (24% AND 32% SPEED DIFFERENCE, 4 GROOVE)
- [AXE25334](#) (24% AND 32% SPEED DIFFERENCE, 6 GROOVE)
- [HXE105874](#) (40% SPEED DIFFERENCE, 4 GROOVE)
- [HXE184667](#) (24%, 32% AND 60% SPEED DIFFERENCE, 6 GROOVE)
- [AXE59549](#) (40% SPEED DIFFERENCE, 6 GROOVE)
- [AXE17553](#) (IDLER)



Strong belt and idler for constant processing
Drives the Kernel Processor Rolls.