

# REPLACEMENT PARTS GUIDE

## 8100 Self-Propelled Forage Harvester (S.N. 517000 - 517999)

### 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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## 8100 Self-Propelled Forage Harvester (S.N. 517000 - 517999)

### FEED ROLLS

#### STEEL BAR

[HXE93580](#) (UPPER)

[HXE100098](#) (LOWER)

[HXE87701](#) (FILLER BAR)

[Z74127](#) (SCREW)

[Z74128](#) (NUT)

Made of heavy-duty, induction hardened stainless steel.

#### LOWER FRONT FEED ROLL KIT

[BXE10585](#)

12 reversible bars and screws.

### 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

[HXE101351](#) (GRASS)

[HXE101352](#) (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



### JD PREMIUM KERNEL PROCESSOR

#### KERNEL PROCESSOR ROLLS

[AXE43571](#) (STANDARD, NON-COATED, FRONT) (Z = 118)

[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)

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.

### BLOWER PADDLES

#### BLADE

[HXE37067](#)



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

For Company Use - ZX579574

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