

REPLACEMENT PARTS GUIDE

8700 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 [RECFF0578200](#)

SECONDARY FUEL FILTER [RECFS1976300](#)

Replace after every 500 hours and as required.

ENGINE



PRIMARY AIR CLEANER [AZ104110](#)

Clean as required and replace after every 1500 hours



SECONDARY AIR CLEANER [AZ104111](#)

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 [RE574468](#)

Replace after first 100 hours, then every 250 hours. If Plus-50TM 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.



JOHN DEERE
Genuine Parts and Service

CAPACITIES

8700 Self-Propelled Forage Harvester (S.N. 517000 - 517999)

CAPACITIES (Approximate):

Fuel Tank:

..... 1500 L (396 gal)

DEF Tank:

..... 43 L (11.4 gal)

Cooling System (Complete):

Cool-Gard™ II

..... 110 L (29.1 gal)

Engine with Filter:

Plus-50™ II

..... 64 L (16.9 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 (Heavy Duty)..... 17L (4.5 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:

..... 16L (4.2 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

- [HXE93575](#) (UPPER)
- [HXE100097](#) (LOWER)
- [HXE87459](#) (FILLER BAR)
- [Z74127](#) (SCREW)
- [Z74128](#) (NUT)

Made of heavy-duty, induction hardened stainless steel.

LOWER FRONT FEED ROLL KIT

- [BXE10742](#)
- 12 reversible bars and screws.

CUTTERHEAD

CUTTERHEAD KNIVES

- [HXE185151](#) (GRASS)
- [HXE185153](#) (CORN)

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

KNIFE FIXING PARTS

- [HXE119923](#) (COVER)
- [HXE143972](#) (KNIFE BOLT)

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

SHEARBAR

- [HXE101349](#) (GRASS)
- [HXE101350](#) (CORN)
- [HXE169399](#) (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](#)
- [HXE29814](#)

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



JD PREMIUM KERNEL PROCESSOR

KERNEL PROCESSOR ROLLS

- [AXE43492](#) (STANDARD, COATED, FRONT) (Z = 118)



- [AXE43496](#) (TRIANGULAR, NON-COATED, FRONT) (Z = 238)

- [AXE90181](#) (STANDARD, COATED, FRONT) (Z = 118)

- [AXE43163](#) (STANDARD, NON-COATED) (Z = 118)

- [AXE43494](#) (DURA LINE™, NON-COATED, FRONT) (Z = 178)

- [AXE43495](#) (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



- [AXE25334](#) (24% AND 32% SPEED DIFFERENCE, 6 GROOVE)

- [HXE135689](#) (24% AND 32% SPEED DIFFERENCE, 7 GROOVE)

- [HXE176989](#) (24% AND 32% SPEED DIFFERENCE, 7 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.