

REPLACEMENT PARTS GUIDE

(765001-) S-Series Combines S650, S660, S670, S680, S690

CAB



FRESH AIR FILTER
[RE284091](#)

Clean or replace every 50 hours and as required.



RECIRCULATION AIR FILTER
[L214634](#)

Clean or replace every 200 hours and as required.

ENGINE



DIESEL EXHAUST FLUID (DEF) DOSING FILTER
[DZ114640](#)

Replace every 4500 hours or every three years of operation, whichever occurs first.



ENGINE AIR PRECLEANER PRIMARY FILTER
[HXE11090](#)

SECONDARY FILTER
[HXE11091](#)

Check every 400 hours. Service Primary Air Filter when engine air filter restricted indicator is shown on display. Check safety filter for plugging.

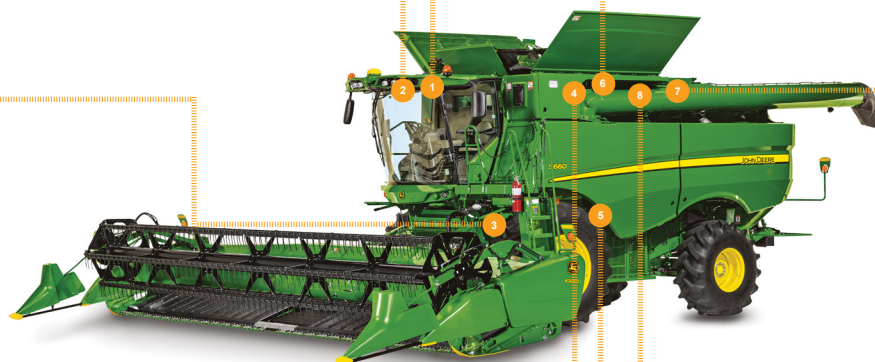


FUEL PRECLEANER FILTER
[R502778](#)



HEAVY-DUTY FUEL PRECLEANER FILTER (OPTIONAL)
[N378886](#)

Clean Every 50 hours and Every 400 hours or When Diagnostic Trouble Code (DTC) is generated.



ENGINE



DIESEL EXHAUST FLUID (DEF) TANK VENT FILTER

[H216169](#)

Clean every 250 hours and replace every 400 hours.



FUEL FILTER

PRIMARY FUEL FILTER

[RE539465](#)



SECONDARY FUEL FILTER

[DZ112918](#)

PRIMARY FUEL FILTER (TIER 2) (S680, S690)

[RE532952](#)



PRIMARY AND FINAL FUEL FILTER (TIER 2) (S650, S660, S670)

[RE525523](#)

Replace every 400 hours and when performance decline is noticed or Diagnostic Trouble Code (DTC) is generated.



OIL FILTER

[RE509672](#) (S650, S660, S670)

[RE572785](#) (S680, S690)

Minimum hours before first engine oil change is 100 hours. Extended engine oil change every 500 hours or annually, whichever come first. The extended 500 hour interval is only allowed if using Plus-50™ II oil with a John Deere filter and diesel fuel with sulfur content less than 15mg/kg (15ppm). If all conditions are not met, change oil and filter at 250 hours of operation.

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ENGINE



DEBRIS MANAGEMENT AIR FILTERS

PRIMARY

[AXE42066](#)

Check every 50 hours. Service Primary Air Filter when engine debris management air filter restricted indicator is shown on display.



SECONDARY

[AXE42065](#)

Never clean the safety element. Replace if dirty. Service or Change Secondary filters as required with Primary Filter.

DIESEL PARTICULATE FILTER (DPF)

[RE542183](#) (S650, S660, S670)

[RE541836](#) (S680, S690) (IT4)

[RE561840](#) (S660, S670) (765000 - 785000) (FT4)

[RE561836](#) (S650) (765000 - 785000) (FT4)

[DZ100174](#) (S650, S660, S670)

S.N (785001- 795000) (FT4)

[RE561844](#) (S680, S690) S.N (765250 - 785000)(FT4)

[DZ100175](#) (S680, S690) S.N (785001 -) (FT4)

Check Every 4500 hours or Diagnostic Trouble Code (DTC) is generated.



HYDRAULIC/HYDROSTATIC FILTER

[AH128449](#)

Replace every 400 hours.



ENGINE



MAIN ENGINE GEARCASE FILTER

[CE19990](#)

Change after every 400 hours or every year.

HYDRAULIC/HYDROSTATIC/TRANSMISSION



MAIN ENGINE GEARCASE FILTER

[AH128449](#)

Replace after First 100 hours and then after Every 400 hours.



HYDRAULIC RETURN FILTER

(S650, S660, S670 & S660, S670 ProDrive™ Transmission)

[AT129775](#)

Replace every 400 hours.



HYDRAULIC RETURN FILTER

(Reservoir)(S680, S690 ProDrive™ Transmission)

[AXE12964](#)

Replace every 1000 hours and when performance decline is noticed or Diagnostic Trouble Code (DTC) is generated.



HYDROSTATIC DRIVE PUMP

(S660, S670, S680, S690 ProDrive™ Transmission)

[AN207368](#)

Replace every 400 hours.

CAPACITIES

(765001-) S-Series Combines S650, S660, S670, S680, S690

CAPACITIES (Approximate):

Fuel Tank:

S650, S660, S670	950 L (250 gal)
S680, S690	1,250 L (330 gal)

Cooling System with Heater:

Cool-Gard™ II

S660, S670	53 L (14 gal)
S680, S690 (Tier 2)	61.2 L (16.16 gal)
S680, S690 (FT4)	85 L (22.5 gal)

Engine Crankcase with Filter:

Plus-50™ II

S650, S660, S670	27.5 L (7.30 gal)
S680, S690 (Tier 2)	39 L (10.30 gal)
S680, S690 (FT4)	43 L (11.35 gal)

Transmission (Mechanical Shift and Push Button Shift Machines):

GL-5

S650, S660, S670	9.6 L (2.53 gal)
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Engine Gearcase with Transfer (Mechanical Shift and Push Button Shift Machines):

Hy-Gard™

S650, S660, S670	21.3 L (5.6 gal)
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Engine Gearcase with Transfer (ProDrive™ Machines):

Hy-Gard™

S670, S680, S690	51 L (13.5 gal)
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Final Drives:

GL-5

All Models	8 L (2.11 gal)
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Countershaft Drive Gearcase:

GL-5

All Models	1.9 L (0.50 gal)
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Heavy-Duty Feeder House Reverser Gearcase without Cooler:

ISO VG 460 Fully Synthetic

S650, S660, S670	2.3 L (0.60 gal)
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Heavy-Duty Feeder House Reverser Gearcase with Cooler:

ISO VG 460 Fully Synthetic

S650, S660	3.5 L (0.92 gal)
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Extra Heavy-Duty Feeder House Reverser Gearcase without Cooler:

ISO VG 460 Fully Synthetic

S680, S690	3.6 L (0.95 gal)
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Extra Heavy-Duty Feeder House Reverser Gearcase with Cooler:

ISO VG 460 Fully Synthetic

S650, S660, S670	4.9 L (1.29 gal)
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Multi-Speed Feeder House Reverser Gearcase with Cooler (Optional):

ISO VG 460 Fully Synthetic

S670, S680, S690	5.2 L (1.37 gal)
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Loading Auger Gearcase:

GL-5

All Models	3.8 L (1.00 gal)
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Two Speed Separator Drive Gearcase:

GL-5

All Models	4.7 L (1.24 gal)
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Diesel Exhaust Fluid (DEF) Tank:

John Deere™ Diesel Exhaust Fluid

All Models	52.2 L (13.8 gal)
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Premium Overshot Beater Gearcase (if equipped):

GL-5

S670, S680, S690	0.2 L (0.05 gal)
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Hydraulic/Hydrostatic Reservoir:
















Hy-Gard™

S650, S660, S670	31 L (8.2 gal)
S680, S690	47 L (12.4 gal)

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S-SERIES COMBINES S650, S660, S670, S680, S685, S690

THRESHING ELEMENTS

	SEPARATOR TINES KIT, STANDARD WEAR AH208554 (Set of 3 elements)	1
	SEPARATOR TINES KIT, HIGH WEAR AH209123 (Set of 3 elements)	1
	WEAR PLATES KIT, VARIABLE STREAM ROTOR, GRAIN KXE10048	1
	SECTIONALISED CONCAVE COVER PLATES BH84534 Only large or small wire concaves.	1
	SMOOTH THRESHING ELEMENTS KIT 1st ROW AH216674 (Set of 3 elements)	1
	SMOOTH THRESHING ELEMENTS KIT 2nd ROW AH216675 (Set of 3 elements)	1
	SMOOTH THRESHING ELEMENTS KIT 3rd, 4th AND 5th ROWS AH216677 (Set of 3 elements)	1
	THRESHING ELEMENTS KIT 3rd, 4th AND 5th ROWS AH216678 (Set of 3 elements)	1
	THRESHING ELEMENTS KIT VARIABLE STREAM ROTOR, GRAIN, STANDARD KXE10034	1
	THRESHING ELEMENTS KIT VARIABLE STREAM ROTOR, GRAIN, HIGH WEAR KXE10035	1
	THRESHING ELEMENTS KIT VARIABLE STREAM ROTOR, RICE KXE10036	1
	SEPARATOR TINES KIT, THICK SKIN, HEAVY DUTY AH228817 (Set of 3 elements)	1
	CONCAVE KIT, SMALL WIRE CONCAVE, REGULAR WEAR BXE10388	1
	CONCAVE KIT, SMALL WIRE CONCAVE, EXTENDED WEAR BXE10389	1
	CONCAVE KIT, ROUND BAR CONCAVE, EXTENDED WEAR BXE10387	1



GRAIN TANK

	SENSOR KIT, GRAIN TANK LEVEL BXE10270	2
STRAW CHOPPER		
	KNIFE KIT, SERRATED KXE10256 (Set of 8 blades)	3
	KNIFE KIT, SERRATED, WING BLADE KXE10255 (Set of 8 blades)	3
	STRAW CHOPPER BLADE, STATIONARY H215004 (92 mm cut)	3
THRESHING ELEMENTS		
	SEPARATOR TINES KIT, VARIABLE STREAM DENSE PACK BXE10020	4
	RICE ENHANCEMENT KIT, VARIABLE STREAM ROTOR BXE10491	4
	WEAR PLATES KIT, VARIABLE STREAM ROTOR, RICE, STANDARD KXE10049	4
	WEAR PLATES KIT, VARIABLE STREAM ROTOR, RICE, TALL KXE10142	4
	CONCAVE KIT, LARGE WIRE CONCAVE, HIGH WEAR BXE10391	4
	CONCAVE KIT, LARGE WIRE CONCAVE, REGULAR BXE10390	4
	SEPARATOR GRATE, HEAVY DUTY AXE44522	4
	FLIGHT, VARIABLE STREAM ROTOR KXE10043	4
	HD CAST SEPARATOR GRATE HXE120794 HXE120795 HXE120796 For high yielding corn, tough small grains and rice. Interrupters on the grates break up corn husks and matted straw for increased capacity.	4
	CONCAVE KIT, REVOLUTION MAX THRESH BXE11144	4
	CONCAVE KIT, REVOLUTION MAX ROUND BXE11145	4

For Company Use - HX553089B

Jan 2023. Release Date.