

FILTER OVERVIEW WITH SERVICE INTERVALS AND CAPACITIES

S700 Series Combines S760, S770, S780, S785, S790

ENGINE

MAIN ENGINE GEARCASE FILTER (ProDrive™ Transmission)

[AH128449](#)

Replace within first 100 hours and every 400 hours

CAB

RECIRCULATION AIR FILTER

[L214634](#)

Clean or replace every 200 hours and as required.

Quantity 2

CAB

FRESH AIR FILTER

[RE284091](#)

Clean or replace every 50 hours and as required.

Quantity 2

ENGINE

PRIMARY AIR FILTER

[HXE11090](#)

SECONDARY AIR 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.

HYDRAULIC

MAIN ENGINE GEARCASE LUBRICATION FILTER

(ProDrive™ Transmission)

[AH128449](#)

Replace within first 100 hours and every 400 hours.

ENGINE

PRIMARY FUEL FILTER (FT4/Stage V Engine)

[RE539465](#)

SECONDARY FUEL FILTER (FT4/Stage V Engine)

[RE533910](#)

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

ENGINE

OIL FILTER

(S760, S770) - [RE509672](#), (S780, S790) - [RE572785](#)

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.

(Click here for [capacity](#))

ENGINE MAIN ENGINE GEARCASE FILTER

[CE19990](#)

Replace within first 100 hours and every 400 hours

ENGINE DIESEL EXHAUST FLUID (DEF) DOSING FILTER

[RE554498](#)

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

ENGINE DIESEL EXHAUST FLUID (DEF) TANK VENT FILTER (FT4/Stage V Engine)

[H216169](#)

FUEL TANK VENT FILTER

[H216169](#)

Clean every 250 hours and replace every 400 hours.

ENGINE

DIESEL PARTICULATE FILTER (DPF)

(S760, S770)

[DZ100174](#)

(S780, S785, S790)

[DZ100175](#)

See your John Deere™ dealer or qualified service provider.

ENGINE

FUEL PRECLEANER FILTER

[R502778](#)

Inspect every 10 hours, clean every 50 hours and every 400 hours or when Diagnostic Trouble Code (DTC) is generated.

HEAVY-DUTY FUEL PRECLEANER FILTER (OPTIONAL)

[N378886](#)

Back flush when bowl is half full or when Diagnostic Trouble Code (DTC) is generated. Clean after every fifth back flushing. Replace when light is no longer visible when filter is held up to light.

HYDRAULIC/HYDROSTATIC/ TRANSMISSION

HYDROSTATIC DRIVE PUMP FILTER (ProDrive™ Transmission)

[AN207368](#)

Replace every 400 hours.

HYDROSTATIC CHARGE PUMP FILTER (Non-ProDrive™ Transmission)

[AH128449](#)

Replace every 400 hours

HYDRAULIC RETURN FILTER (Reservoir)(S780, S790)

[AXE12964](#)

Replace every 1000 hours.

HYDRAULIC/HYDROSTATIC/ TRANSMISSION

HYDRAULIC RETURN FILTER

(S760, S770)

[AT129775](#)

Replace every 400 hours.

ENGINE DEBRIS MANAGEMENT AIR FILTERS (FT4/Stage V Engine)

[AXE42066](#)

Clean or change as required.

PRIMARY

[AXE42066](#)

Never clean the safety filter. Change if dirty. Change Secondary filter only with Primary filter. Change as required with Primary filter.

SECONDARY

[AXE42066](#)



JOHN DEERE

Genuine Parts and Service

CAPACITIES

S700 Series Combines S760, S770, S780, S785, S790

CAPACITIES (Approximate):

Fuel Tank:

S760, S770, S780, S785, S790.....	950 L (250 gal)
S780, S785, S790	1,250 L (330 gal)

Cooling System with Heater:

Cool-Gard™ II

S760, S770 (Tier2/Stage II).....	53 L (14 gal)
S760, S770 (Final Tier 4/Stage V).....	53 L (14 gal)
S780, S785, S790 (Tier 2/Stage II)	61.2 L (16.3 gal)
S780, S785, S790 (Final Tier 4/Stage V)....	85 L (22.5 gal)

Engine Crankcase with Filter:

Plus-50™ II

S760, S770 (Tier 2/Stage II and FT4/Stage V).....	27.5 L (7.3 gal)
S780, S790 (Tier 2/Stage II).....	39 L (10.3 gal)
S780, S785, S790 (Final Tier 4/Stage V)	43 L (11.4 gal)

Transmission (Mechanical Shift and Push Button Shift Machines):

GL-5

S760, S770.....	9.6 L (10.1 qt)
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Engine Gearcase with Transfer (Mechanical Shift and Push Button Shift Machines):

Hy-Gard™

S760, S770.....	21.3 L (5.6 gal)
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Engine Gearcase with Transfer (ProDrive™ Machines):

Hy-Gard™

S760, S770, S780, S785, S790	51 L (13.5 gal)
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Final Drives:

GL-5

All Models (Single Wheel Configuration).....	8 L (2 gal)
All Models (Dual Wheel Configuration).....	23 L (6 gal)
S770, S780, S785, S790 (HillMaster™).....	7 L (1.8 gal)

Countershaft Drive Gearcase (Non-Multi-Speed):

GL-5

All Models.....	1.9 L (2 qt)
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Heavy-Duty Feeder House Reverser Gearcase without Cooler:

ISO VG 460 Fully Synthetic

S760, S770.....	2.3 L (2.4 qt)
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Heavy-Duty Feeder House Reverser Gearcase with Cooler:

ISO VG 460 Fully Synthetic

S760	3.5 L (3.7 qt)
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Extra Heavy-Duty Feeder House Reverser Gearcase without Cooler:

ISO VG 460 Fully Synthetic

S780, S785, S790	3.6 L (3.8 qt)
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Extra Heavy-Duty Feeder House Reverser Gearcase with Cooler:

ISO VG 460 Fully Synthetic

S760, S770.....	4.9 L (5.2 qt)
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Multi-Speed Feeder House Reverser Gearcase with Cooler (Optional):

ISO VG 460 Fully Synthetic

S770, S780, S785, S790.....	5.2 L (5.5 qt)
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Loading Auger Gearcase:

GL-5

All Models.....	3.8 L (4 qt)
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Two Speed Separator Drive Gearcase:

GL-5

All Models.....	4.7 L (5 qt)
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Diesel Exhaust Fluid (DEF) Tank (Final Tier 4/Stage V):

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

S770, S780, S785, S790.....	0.2 L (0.2 qt)
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Hydraulic/Hydrostatic Reservoir:

Hy-Gard™

S760, S770	31 L (8.2 gal)
S780, S785, S790	47 L (12.4 gal)