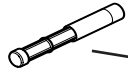


FILTER OVERVIEW WITH SERVICE INTERVALS AND CAPACITIES

S700 Series Combines S760, S770, S780, S790

ENGINE MAIN ENGINE GEARCASE FILTER

CE19990
Replace within first 100 hours
and every 400 hours



ENGINE MAIN ENGINE GEARCASE FILTER (ProDrive™ Transmission)

AH128449
Replace within first 100 hours
and every 400 hours



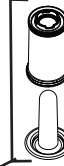
ENGINE DIESEL EXHAUST FLUID (DEF) DOSING FILTER

DZ114640
Replace every 4500 hours
or every three years of
operation, whichever
occurs first.



ENGINE DIESEL EXHAUST FLUID (DEF) TANK VENT FILTER (FT4/Stage IV 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, S790)
DZ100175

See your John Deere™ dealer or
qualified service provider.

ENGINE FUEL PRECLEANER FILTER

R502778
Inspect every 10 hours, clean ev-
ery 50 hours and every 400 hours
or when Diagnostic Trouble Code
(DTC) is generated.



HEAVY-DUTY FUEL PRE- CLEANER 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.



CAB RECIRCULATION AIR FILTER

L214634
Clean or replace every
200 hours and as required.



CAB FRESH AIR FILTER

RE284091
Clean or replace every
50 hours and as required.



ProDrive™ Lubrication Filter

AH128449
Replace within first 100 hours
and every 400 hours.



ENGINE PRIMARY AIR FILTER

SECONDARY AIR FILTER

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



ENGINE OIL FILTER (S760, S770) (S780, S790)

RE509672
RE572785
See Operator Manual for
recommended
service intervals.
(Click here for [capacity](#))



HYDRAULIC/HYDROSTATIC/ TRANSMISSION

HYDRAULIC RETURN FILTER (S760, S770)

AT129775
Replace every 400 hours.



ENGINE DEBRIS MANAGE- MENT AIR FILTERS (FT4/Stage IV Engine)

PRIMARY AXE42066

Clean or change as
required.

SECONDARY AXE42065

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



JOHN DEERE
Genuine Parts and Service

ENGINE PRIMARY FUEL FILTER (FT4/Stage IV Engine) SECONDARY FUEL FILTER (FT4/Stage IV Engine)

RE539465
RE533910
Replace every 400 hours and when per-
formance decline is noticed or Diagnostic
Trouble Code (DTC) is generated.



March 2020. Subject to change without notice.

CAPACITIES

S700 Series Combines S760, S770, S780, S790

CAPACITIES (Approximate):

Fuel Tank:

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

Cooling System with Heater:

Cool-Gard™ II

| | |
|---|-------------------|
| S760, S770..... | 53 L (14 gal) |
| S780, S790 (Tier 2/Stage II)..... | 61.2 L (16.3 gal) |
| S780, S790 (Tier 3/Stage IIIA and FT4/Stage IV).... | 85 L (22.5 gal) |

Engine Crankcase with Filter:

Plus-50™ II

| | |
|--|------------------|
| S760, S770 (Tier 2/Stage II and FT4/Stage IV)..... | 27.5 L (7.3 gal) |
| S760, S770 (Tier 3/Stage IIIA) | 29 L (7.7 gal) |
| S780, S790 (Tier 2/Stage II and Tier 3/Stage IIIA).. | 39 L (10.3 gal) |
| S780, S790 (FT4/Stage IV)..... | 43 L (11.4 gal) |

Transmission (Mechanical Shift and Push Button Shift Machines):

GL-5

| | |
|-----------------|-----------------|
| S760, S770..... | 9.6 L (2.5 gal) |
|-----------------|-----------------|

Engine Gearcase with Transfer (Mechanical Shift and Push Button Shift Machines):

Hy-Gard™

| | |
|-----------------|------------------|
| S760, S770..... | 21.3 L (5.6 gal) |
|-----------------|------------------|

Engine Gearcase with Transfer (ProDrive™ Machines):

Hy-Gard™

| | |
|-----------------------------|-----------------|
| S760, S770, S780, S790..... | 51 L (13.5 gal) |
|-----------------------------|-----------------|

Final Drives:

GL-5

| | |
|-----------------------------|---------------|
| S760, S770, S780, S790..... | 8 L (2.1 gal) |
|-----------------------------|---------------|

Countershaft Drive Gearcase (Non-Multi-Speed):

GL-5

| | |
|-----------------------------|-----------------|
| S760, S770, S780, S790..... | 1.9 L (0.5 gal) |
|-----------------------------|-----------------|

Heavy-Duty Feeder House Reverser Gearcase without Cooler:

ISO VG 460 Fully Synthetic

| | |
|-----------------|-----------------|
| S760, S770..... | 2.3 L (0.6 gal) |
|-----------------|-----------------|

Heavy-Duty Feeder House Reverser Gearcase with Cooler:

ISO VG 460 Fully Synthetic

| | |
|-----------|-----------------|
| S760..... | 3.5 L (0.9 gal) |
|-----------|-----------------|

Extra Heavy-Duty Feeder House Reverser Gearcase without Cooler:

ISO VG 460 Fully Synthetic

| | |
|-----------------|-----------------|
| S780, S790..... | 3.6 L (0.9 gal) |
|-----------------|-----------------|

Extra Heavy-Duty Feeder House Reverser Gearcase with Cooler:

ISO VG 460 Fully Synthetic

| | |
|-----------------|------------------|
| S760, S770..... | 4.9 L (1.29 gal) |
|-----------------|------------------|

Multi-Speed Feeder House Reverser Gearcase with Cooler (Optional):

ISO VG 460 Fully Synthetic

| | |
|-----------------------|------------------|
| S770, S780, S790..... | 5.2 L (1.37 gal) |
|-----------------------|------------------|

Loading Auger Gearcase:

GL-5

| | |
|-----------------------------|---------------|
| S760, S770, S780, S790..... | 3.8 L (1 gal) |
|-----------------------------|---------------|

Two Speed Separator Drive Gearcase:

GL-5

| | |
|-----------------------------|------------------|
| S760, S770, S780, S790..... | 4.7 L (1.24 gal) |
|-----------------------------|------------------|

Diesel Exhaust Fluid (DEF) Tank (Final Tier 4/Stage IV):

John Deere™ Diesel Exhaust Fluid

| | |
|-----------------------------|-------------------|
| S760, S770, S780, S790..... | 52.2 L (13.8 gal) |
|-----------------------------|-------------------|

Premium Overshot Beater Gearcase (if equipped):

GL-5

| | |
|-----------------------|------------------|
| S770, S780, S790..... | 0.2 L (0.05 gal) |
|-----------------------|------------------|

Hydraulic / Hydrostatic Reservoir:

Hy-Gard™

| | |
|-----------------|----------------|
| S760, S770..... | 31 L (8.2 gal) |
|-----------------|----------------|

| | |
|-----------------|-----------------|
| S780, S790..... | 47 L (12.4 gal) |
|-----------------|-----------------|

[Return to Filter Overview](#)

