

FILTER OVERVIEW WITH SERVICE INTERVALS AND CAPACITIES

7R Final Tier 4 (FT4) Series Tractors – 7210R, 7230R, 7250R, 7270R and 7290R

ENGINE

DIESEL PARTICULATE FILTER (DPF)

[RE563694](#) (7210R, 7230R, 7250R)
[RE561836](#) (7270R, 7290R)

Replace within 250 hours after warning light indicators are illuminated. See your John Deere dealer or qualified service provider.

ENGINE

PRIMARY AIR FILTER

[RE564863](#)

Inspect annually and replace as indicated by indicator light or Diagnostic Trouble Code (DTC) on display. (Interval may vary according to operating conditions.)

BRAKES

TRAILER AIR BRAKE DRYER CARTRIDGE

[AL204884](#)
(If equipped)

Replace every 1500 hours or every two years of operation, whichever occurs first.

ENGINE

FUEL TANK VENT FILTER

[H216169](#)

Replace every 1000 hours. (Interval may vary according to operating conditions.)

HYDRAULIC/ TRANSMISSION

OIL FILTER

[RE577060](#)

Replace every 1500 hours.

(Click here for [capacity](#))

ENGINE

FUEL WATER SEPARATOR FILTER

[N378886](#)

(If equipped)

Clean after every fifth back flushing of water separator assembly.

CAB

RECIRCULATION AIR FILTER

[RE291412](#)
[RE333569](#) (Carbon)

Replace every 1000 hours or annually, whichever occurs first. (Interval may vary according to operating conditions.)

CAB

FRESH AIR FILTER

[RE284091](#)
[RE333567](#) (Carbon)

Replace every 1000 hours or annually, whichever occurs first. (Interval may vary according to operating conditions.)

ENGINE

SECONDARY AIR FILTER

[F071151](#)

Inspect annually and replace as indicated by indicator light or Diagnostic Trouble Code (DTC) on display. Replace every other Primary Air Filter change. (Interval may vary according to operating conditions.)

ENGINE

DIESEL EXHAUST FLUID (DEF) TANK VENT FILTER

[H216169](#)

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

ENGINE

FRONT PTO FILTER

[LVU14258](#)
(If equipped)

Initial change at 250 hours, then replace every 1500 hours.

ENGINE

OPEN CRANKCASE VENTILATION (OCV) FILTER

[RE540710](#) (7210R, 7230R, 7250R, 7270R)

Replace every 1500 hours.

ENGINE

OIL FILTER

[RE539279](#) (7210R, 7230R, 7250R, 7270R)

[RE509672](#) (7290R)

Initial oil change is 100 hours, then every 500 hours and annually. 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 the conditions are not met, change oil and filter at 250 hours of operation.

(Click here for [capacity](#))

ENGINE

FUEL FILTER KIT (Includes Primary and Secondary)

[RE541746](#) (7210R, 7230R, 7250R, 7270R Engine Option Code 35GC, 35HB)
[RE556406](#) (7210R, 7230R, 7250R, 7270R Engine Option Code 35D5)

PRIMARY FUEL FILTER

[RE551507](#) (7210R, 7230R, 7250R, 7270R Engine Option Code 35JL, 35K3)

[RE539465](#) (7290R)

SECONDARY FUEL FILTER

[RE560681](#) (7210R, 7230R, 7250R, 7270R Engine Option Code 35JL, 35K3)

[RE533910](#) (7290R)

Replace every 500 hours.

ENGINE

DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER

[RE554498](#)

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



JOHN DEERE

Genuine Parts and Service

CAPACITIES

7R Final Tier 4 (FT4) Series Tractors – 7210R, 7230R, 7250R, 7270R and 7290R

CAPACITIES (Approximate):

Fuel Tank:

7210R, 7230R CommandQuad™, G47/G48 Tires	503 L (133 gal)
e23™, G48 Tires	475 L (125 gal)
7250R, 7270R, 7290R e23™, G49 Tires.....	497 L (131 gal)
IVT™/AutoPowr™, G47/G48 Tires.....	520 L (137 gal)
7250R, 7270R, 7290R IVT™/AutoPowr™, G49 Tires	543 L (143 gal)

Diesel Exhaust Fluid (DEF) Tank: John Deere™ Diesel Exhaust Fluid

.....	25.7 L (6.8 gal)
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Cooling System:

Cool-Gard™ II

7210R, 7230R, 7250R, 7270R	39.5 L (10.5 gal)
7290R.....	44.5 L (11.8 gal)

Crankcase, including filter: Plus-50™ II

7210R, 7230R, 7250R, 7270R	24.5 L (6.5 gal)
7290R.....	27 L (7.1 gal)

Transmission / Hydraulics:

Hy-Gard™

7210R, 7230R CommandQuad™*	160 L (42.3 gal)
e23™*	160 L (42.3 gal)
IVT™*/AutoPowr™*	160 L (42.3 gal)

Front PTO:

Hy-Gard™

.....	4.0 L (4.25 qt)
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TLS™ Plus with Differential Lock:

Hy-Gard™

.....	10.8 L (2.8 gal)
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TLS™ Plus with Limited Slip:

Hy-Gard™

.....	14.4 L (3.8 gal)
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1150 MFWD Axle Housing:

Hy-Gard™

7210R.....	14.4 L (3.8 gal)
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1300 MFWD Axle Housing:

Hy-Gard™

7230R, 7250R, 7270R, 7290R	14.4 L (3.8 gal)
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Wheel Hub with Brakes:

Hy-Gard™

Each	3.9 L (4.1 qt)
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Wheel Hub without Brakes:

GL-5

Each	3.8 L (4.0 qt)
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*Actual volume may vary depending on additional SCV's and tractor options.

