

FILTER OVERVIEW WITH SERVICE INTERVALS AND CAPACITIES

7R Final Tier 4 (FT4) Series Tractors – 7210R, 7230R, 7250R, 7270R, 7290R and 7310R

ENGINE

DIESEL PARTICULATE FILTER (DPF)

[RE563694](#) (Engine Option Code 6171, 61FA, 6159)
[RE561836](#) (7230R, 7250R, 7270R, 7290R, 7310R Engine Option Code 6186, 6128)
[RE541834](#) (7210R, 7230R, 7250R, 7270R, 7290R Engine Option Code 61AD, 6107)
[DZ104596](#) (7210R, 7230R, 7250R, 7270R Engine Option Code 6109, 61JK)
[DZ100484](#) (Engine Option Code 61DQ, 61JL, 61FX)

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

[RE577612](#)

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.

ENGINE

DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER

[RE554498](#)

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

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

[DZ105100](#) (7210R, 7230R, 7250R, 7270R W/ DOC and DPF)

[DZ105796](#) (7210R, 7230R, 7250R, 7270R W/ DOC only)

Replace every 1500 hours.

ENGINE

FUEL FILTER KIT (Includes Primary and Secondary)

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

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

PRIMARY FUEL FILTER

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

(7250R, 7270R for FT4 Engine, Engine Option Code 35JL)

[RE539465](#) (7250R, 7270R for IT4 Engine)

(7290R, 7310R)

SECONDARY FUEL FILTER

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

(7250R, 7270R for FT4 Engine, Engine Option Code 35JL)

[RE533910](#) (7210R, 7230R Engine Option Code 35D5)

(7250R, 7270R for IT4 Engine, Engine Option Code 35D5)

(7290R, 7310R)

Replace every 500 hours.

ENGINE

OIL FILTER

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

(7250R, 7270R for FT4 Engine)

OIL FILTER

[RE509672](#) (7250R, 7270R for IT4 Engine)

(7290R, 7310R)

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](#))



JOHN DEERE

Genuine Parts and Service

CAPACITIES

7R Final Tier 4 (FT4) Series Tractors – 7210R, 7230R, 7250R, 7270R 7290R and 7310R

CAPACITIES (Approximate):

Fuel Tank:

7210R, 7230R CommandQuad™,
G47/G48 Tires 503 L (133 gal)

e23™, G48 Tires 475 L (125.5 gal)

7250R, 7270R, 7290R, 7310R e23™,
G49 Tires 497 L (131.3 gal)

IVT™/AutoPowr™, G47/G48 Tires 520 L (137 gal)

7250R, 7270R, 7290R, 7310R IVT™/AutoPowr™,
G49 Tires 543 L (143.5 gal)

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

..... 25.7 L (6.8 gal)

Cooling System:

Cool-Gard™ II

7210R, 7230R, 7250R, 7270R 39.5 L (10.5 gal)

7290R, 7310R 44.5 L (11.8 gal)

Crankcase, including filter:

Plus-50™ II

7210R, 7230R, 7250R, 7270R 24.5 L (6.5 gal)

7290R, 7310R 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 (1.05 gal)

TLS™ Plus with Differential Lock:

Hy-Gard™

..... 10.8 L (2.8 gal)

TLS™ Plus with Limited Slip:

Hy-Gard™

..... 14.4 L (3.8 gal)

1150 MFWD Axle Housing:

Hy-Gard™

7210R 14.4 L (3.8 gal)

1300 MFWD Axle Housing:

Hy-Gard™

7230R, 7250R, 7270R, 7290R, 7310R 14.4 L (3.8 gal)

Wheel Hub with Brakes:

Hy-Gard™

Each 3.9 L (1.0 gal)

Wheel Hub without Brakes:

GL-5

Each 3.8 L (1.0 gal)

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*Actual volume may vary depending on additional SCV's and tractor options.

