

FILTER OVERVIEW WITH SERVICE INTERVALS AND CAPACITIES

6M Final Tier 4 (FT4) Series Row-Crop Tractors – 6145M

HYDRAULICS

OIL FILTER

[AL169573](#)

Replace after first 100 hours then after first 500 hours and every 500 hours thereafter. Change Transmission Oil Filter as well.

(Click here for [capacity](#))

ENGINE

OIL FILTER

[RE504836](#)

Replace after every 500 hours or annually.

The extended 500 hour interval is only allowed if using Plus-50™ II oil, JD OEM Oil Filter and diesel fuel with sulfur content less than 15mg/kg (15 ppm).

Change Oil and Filter after every 250 hours, if conditions are not met.

(Click here for [capacity](#))

ENGINE

CRANKCASE VENT FILTER

[DZ105100](#)

Replace after every 1500 hours or 2 years, whichever occurs first.

ENGINE

SECONDARY AIR FILTER

[AL215054](#)

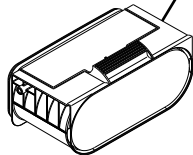
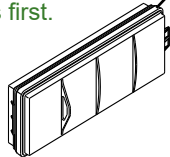
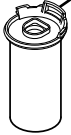
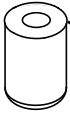
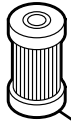
Replace at every fourth change of Primary Air Filter, or after 4500 hours or 3 years, whichever occurs first.

ENGINE

PRIMARY AIR FILTER

[AL215053](#)

Replace after every 1500 hours or 2 years, whichever occurs first.



ENGINE

PRIMARY FUEL FILTER

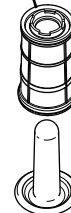
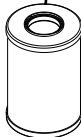
[RE560682](#)

Replace after every 500 hours.

SECONDARY FUEL FILTER

[RE551508](#)

Replace after every 500 hours.



ENGINE

DIESEL EXHAUST FILTER

[RE554498](#)

Replace after every 4500 hours or 3 years, whichever occurs first.

CAB

RECIRCULATION AIR FILTER W/ AC

[L214634](#) (2)

RECIRCULATION AIR FILTER W/O AC

[L152026](#) (2)

Replace after every 1500 hours, or 2 years, or as required, or with Engine Primary Air Filter, whichever occurs first.

ACTIVATED CARBON KIT

[AL158986](#)

Never clean. Replace after every 500 hours or 1 year or with Engine Primary Air Filter, whichever occurs first.

CAB

AIR FILTER

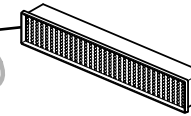
[AL177184](#)

Replace after every 1500 hours, or 2 years, or as required, or with Engine Primary Air Filter, whichever occurs first.

ACTIVATED CARBON KIT

[AL158986](#)

Never clean. Replace after every 500 hours or 1 year or with Engine Primary Air Filter, whichever occurs first.



TRANSMISSION

OIL FILTER

[AL221066](#)

Replace after first 100 hours then after first 500 hours and every 500 hours thereafter. Change Hydraulic Oil Filter as well.

(Click here for [capacity](#))

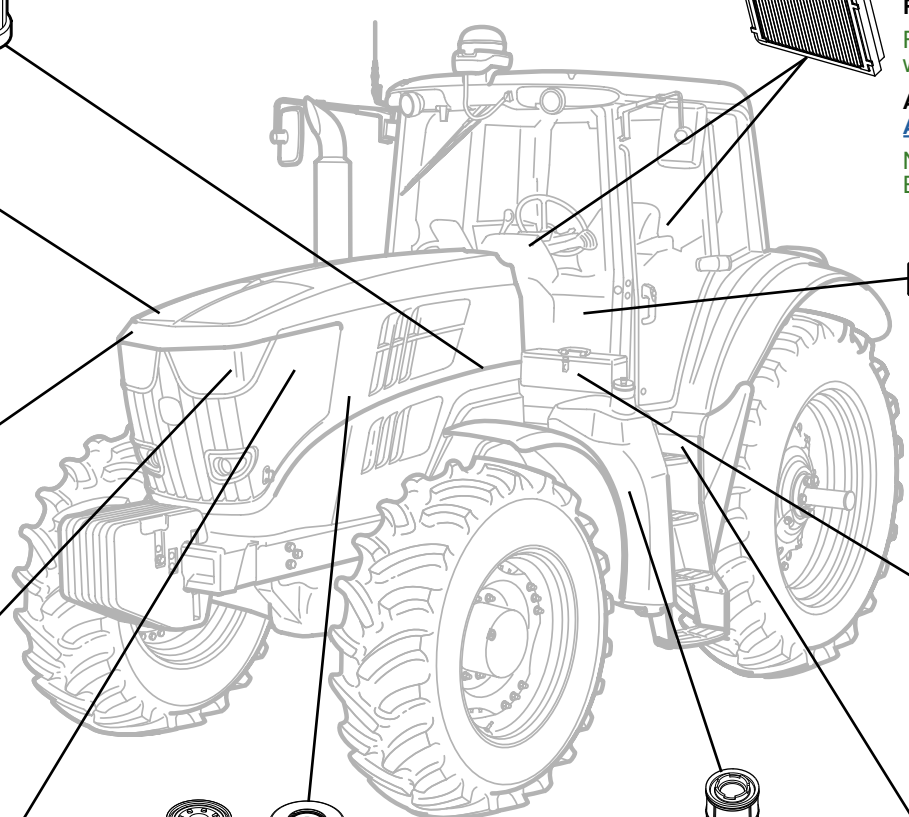
ENGINE

DIESEL PARTICULATE FILTER

[RE565702](#) (-866040)

[RE566731](#) (866041-)

Replace within 250 hours after exhaust filter and warning light indicators are alerted on display.



JOHN DEERE

Genuine Parts and Service

CAPACITIES

6M Final Tier 4 (FT4) Series Row-Crop Tractors – 6145M

CAPACITIES (Approximate):

Fuel Tank:

6145M.....265 L (70 gal)

DEF Tank:

John Deere Diesel Exhaust Fluid™

6145M.....16 L (4.2 gal)

Cooling System:

Cool-Gard™ II

6145M.....27 L (7.1 gal)

Crankcase:

Plus-50™ II

6145M.....16 L (4.2 gal)

Transmission/Hydraulics:

Hy-Gard™

6145M.....52 L (13.7 gal)

Extra with creeper.....1 L (0.3 gal)

Front PTO [If equipped]

.....2.6 L (0.69 gal)

Front-wheel Drive:

Hy-Gard™

3 Piece Front Axle type

750 (M50LD)

Axle housing (with TLS™).....10 L (2.64 gal)

Axle housing (with TLS™, with brake).....9.5 L (2.51 gal)

Axle housing (without TLS™).....9.5 L (2.51 gal)

Final drives, per side (with/without TLS™).....2.2 L (0.58 gal)

Final drives, per side (with brake).....2.6 L (0.69 gal)

750 (M50)

Axle housing (with TLS™).....10 L (2.64 gal)

Axle housing (without TLS™).....9.2 L (2.43 gal)

Final drives, per side (with brake).....2.4 L (0.63 gal)

Final drives, per side (without brake).....2.2 L (0.58 gal)

Air-conditioning System:

R134a Refrigerant.....1225 - 1275 g
(2.70 - 2.81 lb)

Oil Volume (PAG oil).....220 ml (7.44 fl oz)

[Return to Filter Overview](#)

