

# REPLACEMENT PARTS GUIDE

8R Final Tier 4 (FT4) Series Tractors (090001-170000) – 8245R, 8270R, 8295R, 8320R, 8335R, 8345R, 8370R, 8400R

## FILTER OVERVIEW WITH SERVICE INTERVALS

### HYDRAULIC / TRANSMISSION

**OIL FILTER ELEMENT**  
[RE573817](#)  
Replace every 1500 hours.

### ENGINE

**FUEL WATER SEPARATOR (IF EQUIPPED)**  
[N378886](#) (TSN 09001-152365)  
[AT365869](#) (TSN 152366-)  
Replace after every 500 hours.

**PRIMARY FUEL FILTER**  
[RE539465](#)  
**SECONDARY FUEL FILTER**  
[DZ112918](#)

**FUEL FILTER KIT (INCLUDES PRIMARY AND SECONDARY)**  
[RE525523](#) (T2, T3 Engine, 10 Micron and 2 Micron) (Except 8400R)

Replace after every 500 hours, annually, or as indicated whichever occurs first. Always replace both filters at same time.

**OIL FILTER**  
[RE509672](#)

Initial oil and filter change at 100 hours and then after every 500 hours or annually, whichever comes 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.

**DIESEL PARTICULATE FILTER**  
[DZ100174](#) (Engine Option Code 6168, 6171, 6172, 6164, 6165, 61BD) (Except 8335R)  
[RE561836](#) (Engine Option Code 6153, 6162, 6129) (Except 8400R)  
[RE541834](#) (Engine Option Code 6106) (Except 8400R, 8335R, 8320R, 8345R, 8370R)  
[DZ100484](#) (Engine Option Code 6182, 61BC, 61AY) (Except 8400R AND 8335R)  
[RE561840](#) (Engine Option Code 6142, 6143) (Except 8400R AND 8335R)

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

**DEF INLINE FILTER**  
[DZ100304](#)

Replace after every 3000 operating hours or 3 years, whichever comes first.

**DEF SUPPLY MODULE FILTER**  
[DZ114640](#)

Replace after every 3000 operating hours or 3 years, whichever comes first.

### CAB

**RECIRCULATION AIR FILTER**  
[RE291412](#)  
[RE333569](#) (Carbon)

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

**FRESH AIR FILTER**  
[RE284091](#)  
[RE333567](#) (Carbon)

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

### SCV

**OIL FILTER**  
[RE269061](#)

Replace after every 1500 hours.

### ENGINE

**FUEL TANK VENT FILTER**  
[H216169](#)

Replace after every 1500 hours.

**AIR TRAILER BRAKE DRYER CARTRIDGE**  
[AL204884](#) (Use With AL202707)  
[HXE135862](#) (Use With AL231942)

Replace filter at least every 2 years, regardless of operating hours.

**DEF TANK HEADER FILTER**  
[DZ111004](#) (25 Micron)

Replace after every 3000 operating hours or 3 years, whichever comes first.

**PRIMARY AIR FILTER**  
[RE587793](#) (TSN 090001-110759);  
(Filter Housing RE325735)  
[RE587791](#) (TSN 110760-);  
(Filter Housing RE580335)

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

**SECONDARY AIR FILTER**  
[RE587794](#) (TSN 090001-110759);  
(Filter Housing RE325735)  
[RE587792](#) (TSN 110760-);  
(Filter Housing RE580335)

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

**DEF TANK VENT FILTER BREATHER**  
[H216169](#)

Replace after every 1500 hours.



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# CAPACITIES

## 8R Final Tier 4 (FT4) Series Tractors (090001-170000) – 8245R, 8270R, 8295R, 8320R, 8335R, 8345R, 8370R, 8400R

### CAPACITIES (Approximate):

#### **Fuel Tank:**

Tractors W/ Group 47/48 Tires.....645 L (170.4 gal)  
Tractors W/ Group 49 Tires.....686 L (181.2 gal)  
Tractors W/ Group 47/48/49 Tires.....719 L (190.0 gal)

#### **Diesel Exhaust Fluid (DEF) Tank:**

##### **John Deere™ Diesel Exhaust Fluid**

Normal usage volume.....23.1 L (6.1 gal)  
Usable volume.....25.7 L (6.8 gal)

#### **Cooling System:**

##### **Cool-Gard™ II**

.....43.8 L (11.6 gal)

#### **Transmission / Hydraulics:**

##### **Hy-Gard™ MFWD**

.....140 L (37.0 gal)

#### **Independent Link Suspension ( ILS™):**

.....165 L (43.6 gal)

#### **Hydraulic Auxiliary Reservoir:**

##### **Hy-Gard™**

Need at fill (LH tank).....21.8 L (5.8 gal)  
Need at fill (RH tank).....37.5 L (9.9 gal)  
Usable take-out, if equipped (LH tank).....18 L (4.8 gal)  
Usable take-out, if equipped (RH tank).....32 L (8.4 gal)

#### **Crankcase 1300 MFWD:**

##### **Plus-50™ II**

8245R, 8270R, 8295R.....25 L (6.6 gal)

#### **Crankcase 1500 MFWD:**

##### **Plus-50™ II**

.....28 L (7.4 gal)

#### **Crankcase Independent Link Suspension ( ILS™):**

##### **Plus-50™ II**

.....27.5 L (7.3 gal)

#### **1300 MFWD Axle Housing:**

##### **Hy-Gard™**

8245R, 8270R, 8295R.....13.6 L (3.6 gal)

#### **1500 MFWD Axle Housing:**

##### **Hy-Gard™**

.....18.7 L (4.9 gal)

#### **MFWD Hubs (Each):**

##### **GL-5**

.....3.8 L (1.0 gal)

#### **Independent Link Suspension ( ILS™) Hubs (Each):**









##### **GL-5**

8245R, 8270R, 8295R.....3.8 L (1.0 gal)  
8320R, 8335R, 8345R, 8370R, 8400R.....5.6 L (1.5 gal)

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REPAIR PARTS



## ENGINE

-  **STARTER**  
[RE529661](#) (T2 / T3)  
[RE549229](#) (IT4 / FT4)
-  **AUXILIARY DRIVE BELT**  
[R551297](#) (W/O Air Trailer Brake, IVT™/16 PST)  
[R551298](#) (W/O Air Brakes, e23™)  
[R334800](#) (W/ Air Brakes, e23™)  
[R334797](#) (W/ Air Trailer Brakes, IVT™/16 PST)
-  **FAN DRIVE BELT**  
[R568198](#)
-  **ENGINE BLOCK HEATER**  
[RE42139](#) (120V)  
[RE42139](#) (240V)
-  **BELT TENSIONER**  
[RE582501](#) (W/O Air Trailer Brakes & W/O Air Brakes)  
[RE582500](#) (W/ Air Trailer Brakes & W/ Air Brakes)
-  **RADIATOR CAP**  
[RE312969](#)
-  **WATER PUMP**  
[DZ102107](#) (IT4/FT4)  
[RE530194](#) (T2/T3)
-  **A/C COMPRESSOR**  
[AH169875](#)

## AXLE






-  **TIE ROD ENDS**  
[RE583653](#) (ILS™)  
[RE173541](#) (LH-1300 MFWD)  
[RE173540](#) (RH-1300 MFWD)

## ENGINE

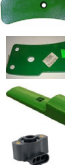
-  **ALTERNATOR**  
[RE555751](#) (200A)  
[RE550906](#) (240A)
-  **FUEL INJECTION PUMP**  
[RE571640](#) (Except (8400R))  
[DZ128161](#) (Except (8335R))




## CAB

-  **INTERNAL REAR VIEW MIRROR**  
[RE588734](#) (150003-)  
[RE584052](#) (-150002)
-  **WIPER BLADES**  
[AL153661](#) (Front and Rear)
-  **EXTERNAL REAR VIEW MIRROR**  
[AL225536](#)  
[AL225535](#)
-  **TECHNOLOGY MOUNTING SOLUTION**  
[RE317435](#) (Mounting Bracket)  
[BXE10606](#) (Cell Phone Mount)  
[BXE10607](#) (Tablet Mount)
-  **GAS CYLINDERS**  
[RE261887](#) (LH Door)  
[RE261886](#) (Rear Window)


## HITCH AND SCV

-  **HITCH MAINTENANCE**  
[R309701](#) (Sway Block RH)  
[R274328](#) (Sway Block Wear Plate RH)  
[R309702](#) (Sway Block LH)  
[R274326](#) (Sway Block Wear Plate LH)  
[AXE14245](#) (Hitch Position Sensor)



## SCV

-  **SCV**  
[RE577560](#) (Breakaway Coupler)  
[R186598](#) (Snap Ring)  
[RE186600](#) (Seal Kit)  
[BRE10089](#) (1/2" Power Beyond)  
[BRE10090](#) (3/4" Power Beyond)

## LIFT LINK PINS

-  **LIFT LINK PINS**  
[R169163](#) (Pin)  
[R107278](#) (Draft Link Ball Stud)  
[BRE10500](#) (Greaseable Pin Kit)

## ENGINE

-  **BATTERY**  
[TY25879B](#)
-  **TORSIONAL DAMPER**  
[TA20453](#) (8245R, 8270R, 8295R, 8320R, R8345R, 8370R, 8335R)  
[RE596653](#) (8370R, 8400R)

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CLICK PART NUMBER TO BUY  
\*See operator's manual for additional details.

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WEAR PARTS

## ENGINE



9.0 VARI-COOL™ FAN DRIVE

### AXLE

[RE578435](#) (Driver, IT4 / FT4)

[RE587430](#) (Driver, T2 / T3)



9.0 VARI-COOL™ FAN DRIVE

[RE572545](#) (Driven, IT4 / FT4)

[RE572544](#) (Driven, T2 / T3)



9.0 VARI-COOL™ FAN DRIVE

[R568198](#) (V-Belt, Variable Speed)



9.0 VARI-COOL™ FAN DRIVE

[R569237](#) (Belt Gauge Tool)



## SUSPENSION AND STEERING



ILS™ AXLE

[RE587967](#) (Inner Tie Rod End)

[RE583653](#) (Outer Tie Rod End)

[RE587968](#) (Complete Left or Right Side Tie Rod Assembly)



ILS™ AXLE

[RE580643](#) (Upper and Lower Control Arm Ball Joints)