

# REPLACEMENT PARTS GUIDE

## (765001- ) S-Series Combines S650, S660, S670, S680, S690

### CAB



#### FRESH AIR FILTER [RE284091](#)

Clean or replace every 50 hours and as required.



#### RECIRCULATION AIR FILTER [L214634](#)

Clean or replace every 200 hours and as required.

### ENGINE



#### DIESEL EXHAUST FLUID (DEF) DOSING FILTER [DZ114640](#)

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



#### ENGINE AIR PRECLEANER PRIMARY FILTER [HXE11090](#)

#### SECONDARY FILTER [HXE11091](#)

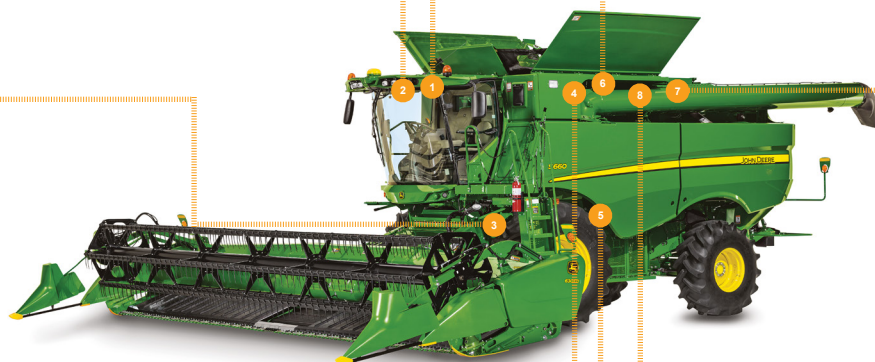
Check every 400 hours. Service Primary Air Filter when engine air filter restricted indicator is shown on display. Check safety filter for plugging.



#### FUEL PRECLEANER FILTER [R502778](#)

#### HEAVY-DUTY FUEL PRECLEANER FILTER (OPTIONAL) [N378886](#)

Clean Every 50 hours and Every 400 hours or When Diagnostic Trouble Code (DTC) is generated.



### ENGINE



#### DIESEL EXHAUST FLUID (DEF) TANK VENT FILTER [H216169](#)

Clean every 250 hours and replace every 400 hours.



#### FUEL FILTER PRIMARY FUEL FILTER [RE539465](#)



#### SECONDARY FUEL FILTER [DZ112918](#)

#### PRIMARY FUEL FILTER (TIER 2) (S680, S690) [RE539465](#)



#### PRIMARY AND FINAL FUEL FILTER (TIER 2) (S650, S660, S670) [RE525523](#)

Replace every 400 hours and when performance decline is noticed or Diagnostic Trouble Code (DTC) is generated.



#### OIL FILTER [RE509672](#) (S650, S660, S670) [RE572785](#) (S680, S690)

Minimum hours before first engine oil change is 100 hours. Extended engine oil change every 500 hours or annually, whichever come 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.

# REPLACEMENT PARTS GUIDE

## (765001- ) S-Series Combines S650, S660, S670, S680, S690

### ENGINE



#### DEBRIS MANAGEMENT AIR FILTERS

##### PRIMARY

[AXE42066](#)

Check every 50 hours. Service Primary Air Filter when engine debris management air filter restricted indicator is shown on display.



##### SECONDARY

[AXE42065](#)

Never clean the safety element. Replace if dirty. Service or Change Secondary filters as required with Primary Filter.

#### DIESEL PARTICULATE FILTER (DPF)

[RE542183](#) (S650, S660, S670)

[RE541836](#) (S680, S690) (IT4)

[RE561840](#) (S660, S670) (765000 - 785000) (FT4)

[RE561836](#) (S650) (765000 - 785000) (FT4)

[DZ100174](#) (S650, S660, S670)

S.N (785001- 795000) (FT4)

[RE561844](#) (S680, S690) S.N (765250 - 785000)(FT4)

[DZ100175](#) (S680, S690) S.N (785001 - ) (FT4)

Check Every 4500 hours or Diagnostic Trouble Code (DTC) is generated.



#### HYDRAULIC/HYDROSTATIC FILTER

[AH128449](#)

Replace every 400 hours.



### ENGINE



#### MAIN ENGINE GEARCASE FILTER

[CE19990](#)

Change after every 400 hours or every year.

### HYDRAULIC/HYDROSTATIC/TRANSMISSION



#### MAIN ENGINE GEARCASE FILTER

[AH128449](#)

Replace after First 100 hours and then after Every 400 hours.



#### HYDRAULIC RETURN FILTER

(S650, S660, S670 & S660, S670 ProDrive™ Transmission)

[AT129775](#)

Replace every 400 hours.



#### HYDRAULIC RETURN FILTER

(Reservoir)(S680, S690 ProDrive™ Transmission)

[AXE12964](#)

Replace every 1000 hours and when performance decline is noticed or Diagnostic Trouble Code (DTC) is generated.



#### HYDROSTATIC DRIVE PUMP

(S660, S670, S680, S690 ProDrive™ Transmission)

[AN207368](#)

Replace every 400 hours.

# CAPACITIES

## (765001- ) S-Series Combines S650, S660, S670, S680, S690

### CAPACITIES (Approximate):

#### **Fuel Tank:**

|                        |                   |
|------------------------|-------------------|
| S650, S660, S670 ..... | 950 L (250 gal)   |
| S680, S690 .....       | 1,250 L (330 gal) |

#### **Cooling System with Heater:**

##### **Cool-Gard™ II**

|                           |                    |
|---------------------------|--------------------|
| S660, S670 .....          | 53 L (14 gal)      |
| S680, S690 (Tier 2) ..... | 61.2 L (16.16 gal) |
| S680, S690 (FT4) .....    | 85 L (22.5 gal)    |

#### **Engine Crankcase with Filter:**

##### **Plus-50™ II**

|                           |                   |
|---------------------------|-------------------|
| S650, S660, S670 .....    | 27.5 L (7.30 gal) |
| S680, S690 (Tier 2) ..... | 39 L (10.30 gal)  |
| S680, S690 (FT4) .....    | 43 L (11.35 gal)  |

#### **Transmission (Mechanical Shift and Push Button Shift Machines):**

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

|                        |                  |
|------------------------|------------------|
| S650, S660, S670 ..... | 9.6 L (2.53 gal) |
|------------------------|------------------|

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

##### **Hy-Gard™**

|                        |                  |
|------------------------|------------------|
| S650, S660, S670 ..... | 21.3 L (5.6 gal) |
|------------------------|------------------|

#### **Engine Gearcase with Transfer (ProDrive™ Machines):**

##### **Hy-Gard™**

|                        |                 |
|------------------------|-----------------|
| S670, S680, S690 ..... | 51 L (13.5 gal) |
|------------------------|-----------------|

#### **Final Drives:**

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

|                  |                |
|------------------|----------------|
| All Models ..... | 8 L (2.11 gal) |
|------------------|----------------|

#### **Countershaft Drive Gearcase:**

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

|                  |                  |
|------------------|------------------|
| All Models ..... | 1.9 L (0.50 gal) |
|------------------|------------------|

#### **Heavy-Duty Feeder House Reverser Gearcase without Cooler:**

##### **ISO VG 460 Fully Synthetic**

|                        |                  |
|------------------------|------------------|
| S650, S660, S670 ..... | 2.3 L (0.60 gal) |
|------------------------|------------------|

#### **Heavy-Duty Feeder House Reverser Gearcase with Cooler:**

##### **ISO VG 460 Fully Synthetic**

|                  |                  |
|------------------|------------------|
| S650, S660 ..... | 3.5 L (0.92 gal) |
|------------------|------------------|

#### **Extra Heavy-Duty Feeder House Reverser Gearcase without Cooler:**

##### **ISO VG 460 Fully Synthetic**

|                  |                  |
|------------------|------------------|
| S680, S690 ..... | 3.6 L (0.95 gal) |
|------------------|------------------|

#### **Extra Heavy-Duty Feeder House Reverser Gearcase with Cooler:**

##### **ISO VG 460 Fully Synthetic**

|                        |                  |
|------------------------|------------------|
| S650, S660, S670 ..... | 4.9 L (1.29 gal) |
|------------------------|------------------|

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

##### **ISO VG 460 Fully Synthetic**

|                        |                  |
|------------------------|------------------|
| S670, S680, S690 ..... | 5.2 L (1.37 gal) |
|------------------------|------------------|

#### **Loading Auger Gearcase:**

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

|                  |                  |
|------------------|------------------|
| All Models ..... | 3.8 L (1.00 gal) |
|------------------|------------------|

#### **Two Speed Separator Drive Gearcase:**

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

|                  |                  |
|------------------|------------------|
| All Models ..... | 4.7 L (1.24 gal) |
|------------------|------------------|

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

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

|                  |                   |
|------------------|-------------------|
| All Models ..... | 52.2 L (13.8 gal) |
|------------------|-------------------|

#### **Premium Overshot Beater Gearcase (if equipped):**

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

|                        |                  |
|------------------------|------------------|
| S670, S680, S690 ..... | 0.2 L (0.05 gal) |
|------------------------|------------------|

#### **Hydraulic/Hydrostatic Reservoir:**
















##### **Hy-Gard™**

|                        |                 |
|------------------------|-----------------|
| S650, S660, S670 ..... | 31 L (8.2 gal)  |
| S680, S690 .....       | 47 L (12.4 gal) |

# REPLACEMENT PARTS GUIDE
















## S-SERIES COMBINES S650, S660, S670, S680, S685, S690

### THRESHING ELEMENTS

|  |   |   |
|--|---|---|
|    | <b>SEPARATOR TINES KIT, STANDARD WEAR</b><br><a href="#">AH208554</a> (Set of 3 elements)   | 1 |
|    | <b>SEPARATOR TINES KIT, HIGH WEAR</b><br><a href="#">AH209123</a> (Set of 3 elements)   | 1 |
|    | <b>WEAR PLATES KIT, VARIABLE STREAM ROTOR, GRAIN</b><br><a href="#">KXE10048</a>  | 1 |
|    | <b>SECTIONALISED CONCAVE COVER PLATES</b><br><a href="#">BH84534</a><br>Only large or small wire concaves.                                  | 1 |
|    | <b>SMOOTH THRESHING ELEMENTS KIT 1<sup>st</sup> ROW</b><br><a href="#">AH216674</a> (Set of 3 elements)                                     | 1 |
|    | <b>SMOOTH THRESHING ELEMENTS KIT 2<sup>nd</sup> ROW</b><br><a href="#">AH216675</a> (Set of 3 elements)                                     | 1 |
|    | <b>SMOOTH THRESHING ELEMENTS KIT 3<sup>rd</sup>, 4<sup>th</sup> AND 5<sup>th</sup> ROWS</b><br><a href="#">AH216677</a> (Set of 3 elements) | 1 |
|    | <b>THRESHING ELEMENTS KIT 3<sup>rd</sup>, 4<sup>th</sup> AND 5<sup>th</sup> ROWS</b><br><a href="#">AH216678</a> (Set of 3 elements)        | 1 |
|    | <b>THRESHING ELEMENTS KIT VARIABLE STREAM ROTOR, GRAIN, STANDARD</b><br><a href="#">KXE10034</a>  | 1 |
|    | <b>THRESHING ELEMENTS KIT VARIABLE STREAM ROTOR, GRAIN, HIGH WEAR</b><br><a href="#">KXE10035</a>   | 1 |
|   | <b>THRESHING ELEMENTS KIT VARIABLE STREAM ROTOR, RICE</b><br><a href="#">KXE10036</a>   | 1 |
|  | <b>SEPARATOR TINES KIT, THICK SKIN, HEAVY DUTY</b><br><a href="#">AH228817</a> (Set of 3 elements)  | 1 |
|  | <b>CONCAVE KIT, SMALL WIRE CONCAVE, REGULAR WEAR</b><br><a href="#">BXE10388</a>  | 1 |
|  | <b>CONCAVE KIT, SMALL WIRE CONCAVE, EXTENDED WEAR</b><br><a href="#">BXE10389</a>   | 1 |
|  | <b>CONCAVE KIT, ROUND BAR CONCAVE, EXTENDED WEAR</b><br><a href="#">BXE10387</a>  | 1 |



### GRAIN TANK

|   |   |   |
|---|---|---|
|    | <b>SENSOR KIT, GRAIN TANK LEVEL</b><br><a href="#">BXE10270</a>   | 2 |
| <b>STRAW CHOPPER</b>  |   |   |
|    | <b>KNIFE KIT, SERRATED</b><br><a href="#">KXE10256</a> (Set of 8 blades)  | 3 |
|    | <b>KNIFE KIT, SERRATED, WING BLADE</b><br><a href="#">KXE10255</a> (Set of 8 blades)  | 3 |
|    | <b>STRAW CHOPPER BLADE, STATIONARY</b><br><a href="#">H215004</a> (92 mm cut)   | 3 |
| <b>THRESHING ELEMENTS</b>   |   |   |
|    | <b>SEPARATOR TINES KIT, VARIABLE STREAM DENSE PACK</b><br><a href="#">BXE10020</a>  | 4 |
|    | <b>RICE ENHANCEMENT KIT, VARIABLE STREAM ROTOR</b><br><a href="#">BXE10491</a>  | 4 |
|    | <b>WEAR PLATES KIT, VARIABLE STREAM ROTOR, RICE, STANDARD</b><br><a href="#">KXE10049</a>   | 4 |
|    | <b>WEAR PLATES KIT, VARIABLE STREAM ROTOR, RICE, TALL</b><br><a href="#">KXE10142</a>   | 4 |
|    | <b>CONCAVE KIT, LARGE WIRE CONCAVE, HIGH WEAR</b><br><a href="#">BXE10391</a>   | 4 |
|    | <b>CONCAVE KIT, LARGE WIRE CONCAVE, REGULAR</b><br><a href="#">BXE10390</a>   | 4 |
|   | <b>SEPARATOR GRATE, HEAVY DUTY</b><br><a href="#">AXE44522</a>  | 4 |
|  | <b>FLIGHT, VARIABLE STREAM ROTOR</b><br><a href="#">KXE10043</a>  | 4 |
|  | <b>HD CAST SEPARATOR GRATE</b><br><a href="#">HXE120794</a><br><a href="#">HXE120795</a><br><a href="#">HXE120796</a><br>For high yielding corn, tough small grains and rice. Interrupters on the grates break up corn husks and matted straw for increased capacity. | 4 |
|  | <b>CONCAVE KIT, REVOLUTION MAX THRESH</b><br><a href="#">BXE11144</a>   | 4 |
|  | <b>CONCAVE KIT, REVOLUTION MAX ROUND</b><br><a href="#">BXE11145</a>  | 4 |

HX553089BR1  
Jun 2023. Release Date.

\*See operator's manual for additional details