

Challenger



MT600 SERIES

MT645E

MT655E

MT665E

MT675E

MT685E

QUICK REFERENCE GUIDE

Lubricants • Filters • Electrical • Drivetrain
Brake Parts • Hydraulic System
Cooling System • Wipers • Paints
Camera Systems • Lighting • Loaders • Radios
RAM Mounts • Seats • Weights



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Genuine Parts. Genuine Service. Genuine Reliability.

Only genuine AGCO parts have the precise fit, reliability, and quality to keep your equipment operating at peak performance.

From our factory-trained technicians to our industry leading parts availability, no one knows your equipment better. We don't compromise on quality or performance, and neither should you

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AGCO Parts offers the industry's leading warranty with 12 months on dealer installed and over the counter parts and 6 months on labor for genuine AGCO parts installed by our AGCO dealer.

FLUIDS & LUBRICANTS CAPACITIES

| | |
|---|--|
| Diesel Fuel | 166.5 gal. / 630L |
| Engine Oil (A) | 6.1 gal. / 23L |
| Diesel Exhaust Fluid (DEF) (B) | 15.9 gal. / 60L |
| Auxiliary Hydraulics (C) | Max: 30.4 gal. / 115L Extra Max: 31.7 gal. / 120L |
| Transmission (C) | 17.7 gal. / 67L |
| Front Axle Beam – Fixed and Suspended (D) | 3.8 gal. / 14.5L |
| Front Axle Final Drives (Each Side) Fixed | |
| Model 770/504 (D) | 1.8 gal. / 7L |
| Model 770/510 (D) | 1.6 gal. / 6L |
| Front Axle Final Drives (Each Side) Suspended | |
| Model 770/618 (D) | 1.8 gal. / 7L |
| Model 770/624 (D) | 1.6 gal. / 6L |
| Rear Final Drives (Each Side) (E) | 4.2 gal. / 16L |
| Cooling System (F) | 9.2 gal. / 35L |

RECOMMENDED AGCO PARTS FLUIDS & LUBRICANTS

| | |
|---|------------|
| (A) MultiGuard SAE 15W-40 | |
| 1 qt. / 0.946 L | 79036406 |
| 1 gal. / 3.78 L | 79037112 |
| 2.5 gal. / 9.46 L | 79034597 |
| 5 gal. / 18.9 L | 79035353 |
| 30 gal. / 113.5 L | 79037122 |
| 55 gal. / 208 L | 79034598 |
| 330 gal. / 1.249 L | ACP0022710 |
| (B) DEF – US | |
| 2.5 gal. / 9.46 L | DEF2.5GALP |
| 55 gal. / 208 L | DEF-55DRUM |
| 275 gal. / 1.041 L | DEF275TOTE |
| 330 gal. / 1.249 L | DEF330TOTE |
| (B) DEF – CANADA | |
| 2.5 gal. / 9.46 L | DEF2.5GLPC |
| 55 gal. / 208 L | DEF55DRUMC |
| 275 gal. / 1.041 L | DEF275TOTC |
| 330 gal. / 1.249 L | DEF330TOTC |
| (C) Permatran 821XL Semi-Synthetic 15W-40 | |
| 2.5 gal. / 9.46 L | 79035449 |
| 5 gal. / 18.9 L | 79036407 |
| 55 gal. / 208 L | 79035450 |
| 330 gal. / 1.249 L | 79035451 |
| (D) Gear Lubricant / Axle Oil SAE 80W-90 | |
| 1 qt. / 0.946 L | 79022402 |
| 2.5 gal. / 9.46 L | 79014722 |
| 55 gal. / 208 L | 79014723 |
| 330 gal. / 1.249 L | 79036959 |
| (E) Gear Lubricant / Axle Oil SAE 85W140 | |
| 2.5 gal. / 9.46 L | 79014724 |
| 55 gal. / 208 L | 79022322 |
| 330 gal. / 1.249 L | 79036960 |

FLUIDS & LUBRICANTS – CONTINUED

| | |
|--|----------|
| (F) AGCO Antifreeze and Coolant – US | |
| 1 gal. / 3.78 L | 79022729 |
| 55 gal. / 208 L | 79023022 |
| (F) AGCO Antifreeze and Coolant – CANADA | |
| 1 gal. / 3.78 L | 79022730 |
| 55 gal. / 208 L | 79022731 |
| AGCO Multi-Purpose Lithium II Grease | |
| 14 oz. / 0.397 g | 79014728 |
| 35 lb / 15.87 kg | 79014726 |
| AGCO HI-Temp EP-2 Grease | |
| 14 oz. / 0.397 g | 79014733 |
| AGCO MOLY EP Grease | |
| 14 oz. / 0.397 g | 79017915 |

FILTERS

| | |
|---------------------------------------|------------|
| Fuel Filter Kit | V837091129 |
| Fuel Filter – Without Front Loader | 3905873M91 |
| Fuel Filter Wrench | V837079717 |
| Fuel Filter Water Alarm | V837074054 |
| Engine Oil Filter | V836862582 |
| Oil Pump Suction Filter Element | 72312070 |
| Hydraulic Suction Filter | 72451824 |
| Hydraulic Filter Element | 4381314M1 |
| Hydraulic Strainer Filter | 4393035M1 |
| Hydraulic Valve Block Pressure Filter | 72311028 |
| Front PTO Filter | 3907525M1 |
| DEF Filter Kit | V837091530 |
| CCV Filter | V837073734 |
| Primary Air Filter Element | 4383219M92 |
| Secondary Air Filter Element | 72437627 |
| Cab Air Filter (2) | 4384415M2 |
| Hydraulic Air Filter | 4285858M1 |

ELECTRICAL

| | |
|---------------------------|------------|
| Field Start Battery – US | 79037013 |
| Field Start Battery – CAN | 79037014 |
| Starter Motor | 4288991M4 |
| Alternator (2) | 4357550M3 |
| Ignition Key | 4297513M91 |

DRIVETRAIN

| | | |
|--|------------|--|
| Complete Engine | 865277777Y | |
| Long Block | 865291503V | |
| Short Block | 865277748X | |
| Turbocharger | V836873827 | |
| Turbocharger – High Pressure | V837079843 | |
| Turbocharger – High Pressure – M12 Mounting Studs | V837091235 | |
| Turbocharger – Low Pressure | V837079845 | |
| Turbocharger – Low Pressure – M12 Mounting Studs | V837091237 | |
| Engine Belt | ACW0100750 | |
| Engine Belt | 4383064M2 | |
| Engine Belt – Engine with Air Compressor | 4383240M1 | |

DRIVETRAIN – CONTINUED

| | |
|---------------------|------------|
| Fuel Injector (6) | V837079827 |
| Fuel Injection Pump | V837074805 |
| Oil Pump | V836874208 |

BRAKE PARTS

| | |
|--------------------------|----------|
| Brake Disc Inner (12) | 72437494 |
| Brake Disc Outer (8) | 72619314 |
| Brake Operating Disc (2) | 72452477 |
| Brake Caliper (2) | 72488835 |

HYDRAULIC SYSTEM

| | |
|--|----------|
| Hydraulic Pump – Axle 8CCM | 72451750 |
| Hydraulic Pump – Feed Pump System Comfort | 72609301 |

COOLING SYSTEM

| | |
|--|------------|
| Radiator | 4392083M2 |
| Oil Cooler | V837084028 |
| Water Pump | V837091189 |
| Water Pump Repair Kit | V837079871 |
| Thermostat – Water Pump -79°C Single Acting | V836015156 |
| Thermostat – Water Pump -83°C Double Acting | V837084949 |

WIPERS

| | |
|---------------------|-----------|
| Wiper Blade – Front | 4295433M1 |
| Wiper Blade – Rear | 4278556M2 |
| Wiper Arm – Front | 4295432M2 |
| Wiper Arm – Rear | 4275050M1 |
| Wiper Motor – Front | 4294850M2 |
| Wiper Motor – Rear | 4294854M2 |

PAINTS

| | |
|--------------------------------|------------|
| Challenger Yellow 2013-Present | |
| Aerosol | 79036676 |
| 1 qt. / 0.946 L | ACP0146530 |
| 1 gal. / 3.78 L | ACP0146540 |
| Fendt Gray | |
| Aerosol | 79017754 |
| 1 qt. / 0.946 L | 79037155 |
| Sapphire Gray – 2013 – Present | |
| Aerosol | ACP0135020 |
| 1 qt. / 0.946 L | ACP0135030 |

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= AGCO Reman part is available. Contact your dealer for more information.

Please note: AGCO Quick Reference Guides are for reference only. While we make every effort possible to display accurate and current information, the parts book should be consulted to verify accuracy.



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MT645E, MT655E, MT665E, MT675E, MT685E

When applicable, accessories are listed and color coded as ★ **Good**, ★★ **Better**, and ★★★ **Best** options.

CAMERA SYSTEMS

| | | |
|-----|---|------------|
| ★ | 1 Camera – OverView Camera System | DM0V-7M-C1 |
| ★ | 2 Camera – OverView Camera System | DM0V-7M-C2 |
| ★ | Quad Split – OverView 2 Camera System | DM0V-7MQC2 |
| ★★ | 1 Camera – AgCam Analog HD Camera System – 7" Monitor | AG-H7C1P |
| ★★ | 1 Camera – AgCam Analog HD Camera System – 9" Monitor | AG-H9C1P |
| ★★ | Quad Split – AgCam Analog HD 2 Camera System | AG-H9QC2P |
| ★★★ | 1 Camera – EnduraCam Camera System – 7" Monitor | DMEC-H7C1 |
| ★★★ | 1 Camera – EnduraCam Camera System – 9" Monitor | DMEC-H9C1 |
| ★★★ | Quad Split – EnduraCam Camera System | DMEC-H9QC2 |

LIGHTING

Add on suggestions. For OE replacement lights consult your parts book.

| | |
|--------------------|------------|
| Grote | |
| T26 Near (Pendant) | GR64G11 |
| T26 Far (Pendant) | GR64G01 |
| Oval 2500 (Flood) | GR63J01 |
| Oval 1200 (Flood) | GR63F81 |
| Ag Lamp System Kit | GR01993670 |

See the Warning and Hazard Lights Brochure for additional product options.

Hy-Capacity

| | | |
|----|--|-----------|
| ★ | CREE LED Flood Beam Rear Cab Lamp | HM4288656 |
| ★★ | Bridgelux LED Flood Beam Mid-Body & Rear Fender Lamp | HM4291311 |

LOADER OPTIONS

| | |
|--|------------|
| Loader Light | ACP0351720 |
| Loader Light Switch Kit – Includes wiring harness. <i>Required on units not equipped with the Q-companion</i> | ACP0297690 |
| Selecto-Fix – Implement hydraulic connection – Loader side | ACP0297630 |
| Selecto-Fix – Implement hydraulic connection – Implement side | AL10550180 |
| SoftDrive Shock Absorber | ACP0351710 |
| Q-companion | ACP0396130 |

RADIOS

PanaPacific

| | | |
|-----|--|----------|
| ★ | Panasonic: CD, MP3 – Harness PP205250 included | CQCX160U |
| ★★ | Delphi: Backup Clock, Steering Control, iPod Control, USB, WB | PP105711 |
| ★★★ | Delphi: Backup Clock, Steering Control, iPod Control, USB, WB, CD, MP3, Satellite Radio, SiriusXM-Integrated, Bluetooth – Microphone and Antenna Required* | PP105715 |

*PP604240 - Microphone kit, adhesive tape, 7-1/2' cable OR PP603846 - Microphone Kit, instrument panel mount, 12' cable. PP802170 - Roof-mount satellite radio antenna with 12' cable OR PP802458 - Mirror-mount satellite radios antenna with 9' cable & 6' extension cable.

RADIOS - CONTINUED

| | | |
|--------------|--|------------|
| REI** | | |
| ★ | Equipped with: USB, WB, MP3 – requires harness | RE701196D6 |
| ★★ | Equipped with: USB, WB, MP3, CD – requires harness | RE710439D6 |
| ★★★ | Equipped with: Backup Clock, iPod Control, USB, WB, MP3, CD Bluetooth with Integrated Microphone | RE710475D6 |

**All radios require either a loose wire harness for a 2 speaker cab system - RE511834 OR a loose wire harness for a 4 speaker cab system - RE512202 - (May not be needed in models 2013 to current).

RAM MOUNTS

| | |
|------------------------------------|----------|
| Tablet – Claw Mount | 79037058 |
| Tablet – Double Suction Mount | 79037059 |
| Cell Phone – XGRIP – Claw Mount | 79037060 |
| Cell Phone – XGRIP – Suction Mount | 79037061 |
| Cup Holder – Claw Mount | 79037336 |

SEATS

Upgrade suggestions. For OE seats consult your parts book.

| | | |
|--------------|--|---------|
| Seats | | |
| ★ | Low Profile Ag Air Suspension Seat – Fore/Aft Isolator | SR40281 |
| ★★ | Low Profile Ag Air Suspension Seat – Fore/Aft & Lateral Isolator | SR40283 |
| ★★★ | Active Vrs Ag Air Suspension Seat – Semi-Active Dampening Option | SR40286 |

WEIGHTS

| | |
|--|------------|
| OE – MT645E, 655E, 675E, 685E | |
| Wheel Weight – 250 KG | 4290866M3 |
| Weight – 1500 KG | 4385286M97 |
| OE – MT645E, 675E, 685E | |
| Weight – 900 KG | 4385284M98 |
| OE – MT675E, 685E | |
| Weight – 345 KG | 4286649M3 |
| OE – MT685E | |
| Weight – 140 KG | 4284738M1 |
| Weight – Center 90 KG | 4347409M1 |
| Counterweight – 100 LB | 202-9220 |
| Aftermarket MT600 Series – 645E, 655E, 675E, 685E – Front End Weights | |
| Weight – 100 LB – Max of 20 – Factory Bracket | 79024936 |
| Aftermarket MT600 Series – 645E, 655E, 675E, 685E – Wheel Weights – Consult Weight Catalog for Part # by hole pattern and wheel size. | |
| Weight – 125 LB | 79018834 |
| Weight – 148 LB | 79018839 |
| Weight – 500 LB | 79034151 |

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