

# Challenger



## MT700 SERIES

**MT738**

**MT740**

**MT743**

## QUICK REFERENCE GUIDE

Lubricants • Filters • Electrical • Drivetrain  
Brake Parts • Hydraulic System  
Cooling System • Wipers • Paints  
Camera Systems • Lighting • 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.

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## MT700 SERIES

### MT738, MT740, MT743

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 – Left Fender	66.5 gal./251.8 l
Diesel Fuel – Right Fender	65.7 gal./248.9 l
Diesel Fuel – Main	47.4 gal./179.5 l
Diesel Engine Oil (A)	9.2 gal./34.8 l
Diesel Exhaust Fluid (DEF) (B)	18.8 gal./71 l
Transmission (C)	29.1 gal./110 l
Implement Hydraulics (D)	39.6 gal./150 l
Fan Drive System (D)	4.9 gal./18.3 l
Final Axle Drives (Each Side) (E)	4.7 gal./18 l
Front Idler Hub (F)	20 fl oz./590 ml
Midwheel Hub (F)	5 fl oz./160 ml
Drive Wheel Hub (F)	0.4 gal./1.4 l
Cooling System (G)	11.1 gal./42.2 l

#### RECOMMENDED FLUIDS & LUBRICANTS

(A) MultiGuard SAE 15W-40 (Temp Range: -4° to 104°F)\*  
\*Please refer to Operator Manual for alternate operating temperature ranges.

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 Plus Extended Life

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) Permatran 821XL

1 qt./0.946 l	79037106
1 gal./3.78 l	79037107
2.5 gal./9.46 l	79037108
5 gal./18.9 l	79037109
30 gal./113.5 l	79037110
55 gal./208 l	79037111
330 gal./1,249 L	79037113

#### (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

#### (F) Synthetic Final Drive and Axle Oil SAE 50

1 gal./3.78 l	79034867
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#### (G) AGCO Antifreeze and Coolant Extended Life Silicate and Nitrite Free – US

1 gal./3.78 l	ACP0313850
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#### (G) AGCO Antifreeze and Coolant Extended Life Silicate and Nitrite Free – CANADA

1 gal./3.78 l	ACP0313860
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#### Multi-Purpose Lithium II Grease

14 oz./0.397 g	79014728
35 lb/15.87 kg	79014726

#### HI-Temp EP-2 Grease

14 oz./0.397 g	79014733
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#### MOLY EP Grease

14 oz./0.397 g	79017915
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#### FILTERS

Fuel Filter Kit	V837091129
Fuel Tank Cap Filter Kit	500143D1
Fuel Filter Water Alarm	V837074054
Engine Oil Filter	V837074523
Hydraulic Filter – Implement	587595D1
Hydraulic Filter – Case Drain	587596D1
Hydraulic Filter – Fan Drive	587603D1
Hydraulic Breather – Fan Drive	587604D1
Hydraulic Charge Filter	563588D1
Hydraulic Steering Filter	501771D1
DEF Filter Kit	V837091530
CCV Filter	V837073734
Primary Air Filter Element	568310D1
Secondary Air Filter Element	568311D1
Cab Air Filter – Fresh Air Intake	71484324
Cab Air Filter – Recirculation	71468247

#### ELECTRICAL

Field Start Battery – US	79018975
Field Start Battery – CAN	79016110
Starter Motor	569018D1
Alternator – Clockwise	603486D1
Alternator – Counter Clockwise	603487D1
Ignition Key	71468224

#### DRIVETRAIN

Complete Engine	865477863Y
Long Block	V865491643V
Short Block	865491613X
Engine ECU Kit	V837091132
Turbocharger – High Pressure	V837091235
Turbocharger – Low Pressure	V837091237
Engine Belt – Alternator	595095D1
Engine Belt – A/C Compressor	ACW3521270
Engine Belt – Engine without Air Compressor	589366D1
Engine Belt – Engine with Air Compressor	581083D1
Fuel Injector (7)	V837079827
Fuel Injection Pump	V837074805
Oil Pump	V836874208

#### BRAKE PARTS

Brake Pad – Rear Suspension Right Hand	72629802
Brake Pad – Rear Suspension Left Hand	72629800
Brake Disc Inner – Rear Suspension	72629805
Brake Piston – Rear Suspension	72629799

#### HYDRAULIC SYSTEM

Hydraulic Gear Pump	72629827
Hydraulic Pump – Fan Drive	602760D1
Hydraulic Pump – Implement 85CC	ACW2868720
Hydraulic Pump – Implement Charge (No Relief)	584242D1
Hydraulic Pump – Implement Charge (With Relief)	584243D1
Steering Pump – 85CC	584240D1
Steering Pump – 110CC	584251D1

#### COOLING SYSTEM

Radiator	599814D1
Oil Cooler – Engine	V837084028
Oil Cooler – Hydraulic	604665D1
Water Pump Kit	V837079850
Water Pump Repair Kit	V837091166
Thermostat – Water Pump -79°C Single Acting	V836015156
Thermostat – Water Pump -83°C Double Acting	V837084949

#### UNDERCARRIAGE

Midroller Wheel – Medium Width (6)	581681D2
Midroller Wheel – Wide Width (6)	581685D2
Idler Wheel – Narrow Width (4)	504781D1
Idler Wheel – Medium Width (4)	504782D1
Idler Wheel – Wide Width (4)	504784D2
Driver Wheel – Right Narrow Width (2)	504785D1
Driver Wheel – Right Medium Width (2)	504787D1
Driver Wheel – Right Wide Width (2)	504789D1
Driver Wheel – Left Narrow Width (2)	504786D1
Driver Wheel – Left Medium Width (2)	504788D1
Driver Wheel – Left Wide Width (2)	504790D1

#### WIPERS

Wiper Blade – Front	501688D1
Wiper Blade – Rear	4278556M2
Wiper Blade – Side	593136D1
Wiper Arm – Front	501565D1
Wiper Arm – Rear	588852D2
Wiper Arm – Side	593135D1
Wiper Motor – Front	522250D1
Wiper Motor – Rear	596447D1
Wiper Motor – Side	593134D1

#### PAINTS

##### Challenger Yellow 2013 – Present (Sheet Metal)

Aerosol	79036676
1 qt.	ACP0146530
1 gal.	ACP0146540

##### Fendt Gray (Chassis)

Aerosol	79017754
1 qt.	79037155

##### Sapphire Gray - 2013 – Present (Wheels)

Aerosol	79036678
1 qt.	ACP0345560

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Service it with the best.**



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

#### CAMERA SYSTEMS

★	1 Camera – OverView Camera System	DMOV-7M-C1
★	2 Camera – OverView Camera System	DMOV-7M-C2
★	Quad Split – OverView 2 Camera System	DMOV-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

Black Matte LED Rechargeable Handheld Shop Light, with Heavy Duty Magnetic Base	8302061
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#### 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.

##### 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.

##### Sears

★	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

Counterweight – 100 LB	202-9220
Counterweight – 125 LB	580851D1
Weight – 810 KG	599797D3

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