



Challenger

CHALLENGER 1000

CH1038 / CH1042 / CH1046 / CH1050

Parts Reference Guide

ZIEGLER
AG EQUIPMENT

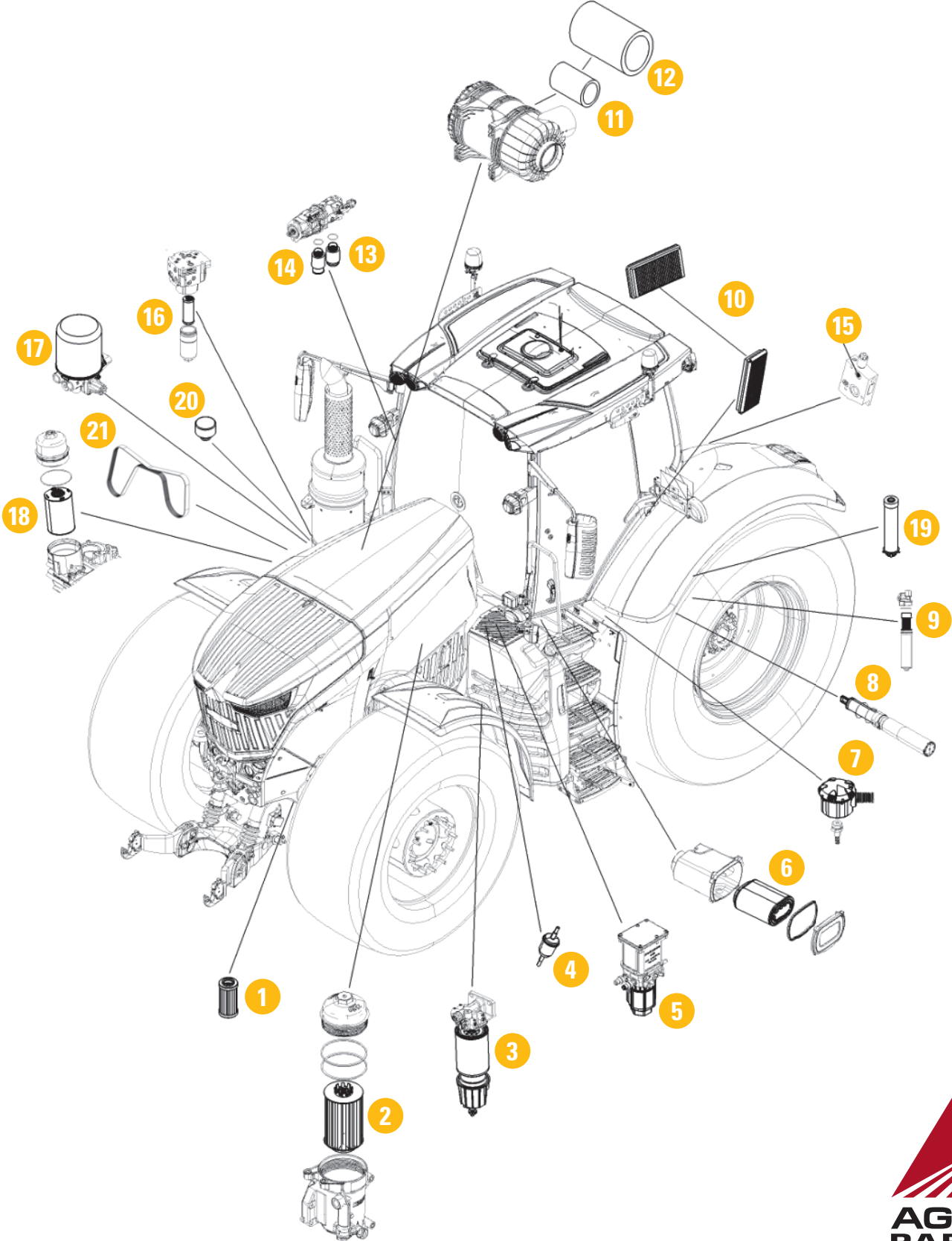
CHALLENGER Parts List

ITEM	PART NUMBER	QTY	DESCRIPTION
1	72623924	1	Filter – Axle Housing
2	ACP0153530	1	Filter Element – Fuel Filter
3	72614253	1	Filter Element – Pre Fuel Filter
4	72484191	1	Filter – Prefilter, AdBlue
5	ACP0153520	1	Filter Cartridge – AdBlue
6	72620540	1	Filter Cartridge – Fresh Air
7	ACP0225000	1	Filter Element – Fuel, Air Cleaner
8	72628019	1	Filter Element – Pump Drive
9	72488569	1	Filter Element – Valves, Comfort System
10	72620539	2	Filter – Cab Air Recirculation
11	72622475	1	Secondary Air Filter Element
12	72622474	1	Primary Air Filter Element
13	72438395	1	Suction Filter – Oil Tank
14	72451933	1	Suction Filter – Oil Tank
15	72470364	1	Filter – End Plate
16	72493246	1	Filter – Central Control Block
17	72437515	1	Cartridge Jet – Air Drier
18	ACP0154860	1	Filter Cartridge – Oil Filter
19	72620607	1	Return Filter – Oil Tank
20	72364577	1	Ventilation Filter – Oil Filling Socket
21	72619522	1	Belt

TO ORDER:

Call or visit your nearest Ziegler location. Visit www.zieglercat.com/locations for a directory.

CHALLENGER Machine Diagram



CHALLENGER Service Guide

SERVICE ITEMS	INITIAL		EVERY						PARTS & LUBRICANTS		
	Initial 50	Initial 500	500	1000	1500	2000	Annual	Comprehensive	Part # / Charge Code	Qty	Description
Change engine oil and filter		X	X	X	X	X	X	X	ACP0154860 72626361	1 3 1	Engine Oil Filter AGCO Multiguard 10W-40 Synthetic Sample
Replace AdBlue filter inserts		X	X	X	X	X	X	X	ACP0153520	1	DEF Filter
Change AdBlue breather filter and blow out the hose		X	X	X	X	X	X	X	72484191	1	DEF Breather
Replace fuel filter insert		X	X	X	X	X	X	X	ACP0153530 72624574	1 1	Fuel Filter Lid O-Ring
Replace fuel pre-filter		X	X	X	X	X	X	X	72614253	1	Fuel Pre-Filter
Replace fuel tank breather				X		X	X	X	ACP0225000	1	Breather Element
Change coolant						X		X	3933443M1	9 1	AGCO Antifreeze Coolant Sample
Check and tighten hose clamps on charge-air lines					X			X			
Change gearbox oil and suction filter			X				X		79036577 72621035 72313503 72424095 SAMPLE	5 1 1 1 1	Permatran 821XL Plus 5 Gal Filter Element O-Ring O-Ring Gearbox Sample
Replace gearbox oil pressure filter	X			X		X	X	X	72488569 72313495	1 1	Filter Element O-Ring
Change rear axle final drives oil		X					X		79014722	4 2	AGCO GL715 2.5 Gal Final Drive Samples
Check front differential oil level		X	X		X						
Change front differential oil	X			X		X	X	X	79036577	1 1	Permatran 821XL Plus 5 Gal Front Diff Sample
Replace front axle pressure filter	X			X		X	X	X	72623924 72313494	1 1	Axle Filter O-Ring
Check oil level of front drive hubs		X	X		X						
Change oil in front drive hubs	X			X		X	X	X	79022402 79014722	1 1 2	AGCO GL715 1 Qt AGCO GL715 2.5 Gal Front Hub Samples
Check toe-in	X	X	X	X	X	X	X	X			
Change hydraulic oil, return filter, and control pressure fine filter							X		79036577 72620607 72493246	6 1 1 1	Permatran 821XL Plus 5 Gal Return Filter Fine Filter Hyd Sample
Replace hydraulic air vent filter				X		X	X	X	72364577	1	Hyd Breather
Check battery level		X	X	X	X	X	X	X			
Change air dryer cartridge				X		X	X	X	72437515	1	Jet Cartridge
Change fresh air and recirculation filter on heater, A/C and fan		X	X	X	X	X	X	X	72620539 72620540	2 1	Cab Air Recirculation Filter Fresh Air Filter
Lubricate grease points and all joints	X	X	X	X	X	X	X	X	79014728W	1	Multi-Purpose Lithium II Grease
Coolant sample								X		1	Coolant Sample

LUBRICANTS					
Component	Oil Type/Class	Viscosity	Liter (Gal)	Part #/Charge Code	Description
Engine	M 3277	10W-40	47 (12.42)	72626361	AGCO Multiguard 10W-40 Synthetic
Cooling system	With Corrosion Inhibitor	50/50	32 (8.45)	3933443M1	AGCO Antifreeze
Gearbox	API GL-4	15W-40	90 (23.78)	79036576 79036577	Permatran 821XL Plus 2.5 Gal Permatran 821XL Plus 5 Gal AGCO 821XL Plus 15W-40 Trans Oil Gal
Rear axle final drives	API GL-5	80W-90	18 (4.76)	79022402 79014722	AGCO GL715 1 Qt AGCO GL715 2.5 Gal
Front axle differential	API GL-4	15W-40	14.5 (3.83)	79036576 79036577	Permatran 821XL Plus 2.5 Gal Permatran 821XL Plus 5 Gal AGCO 821XL Plus 15W-40 Trans Oil Gal
Front axle drive hubs	API GL-5	80W-90	5 (1.32)	79022402 79014722	AGCO GL715 1 Qt AGCO GL715 2.5 Gal
Hydraulic system	API GL-4	15W-40	106 (28)	79036576 79036577	Permatran 821XL Plus 2.5 Gal Permatran 821XL Plus 5 Gal AGCO 821XL Plus 15W-40 Trans Oil Gal
Lubrication points	Hi-Temp EP-2, Moly EP, Multi-Purpose Lithium II			79014733W	Multi-Purpose Lithium II Grease