

CHAPMAN

Parts List

CPC150 & CPC180 - Trailed Collector

Flail Collector & Sweeper Collector Versions



Manufacture Date: June 2024 Onwards

Revision: January 2025

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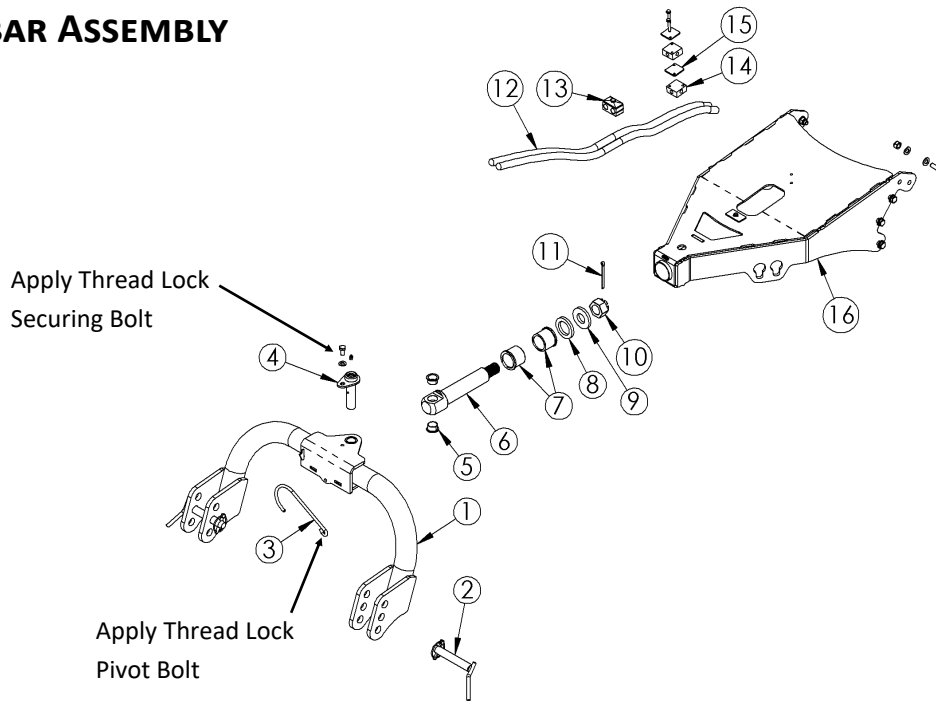
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For any queries or components not listed in these parts drawings,
Please contact Chapman Machinery directly.

Please confirm parts are suitable for the year of manufacture and model variant of your
machine.

For parts lists for earlier machines, Please contact Chapman Machinery directly.

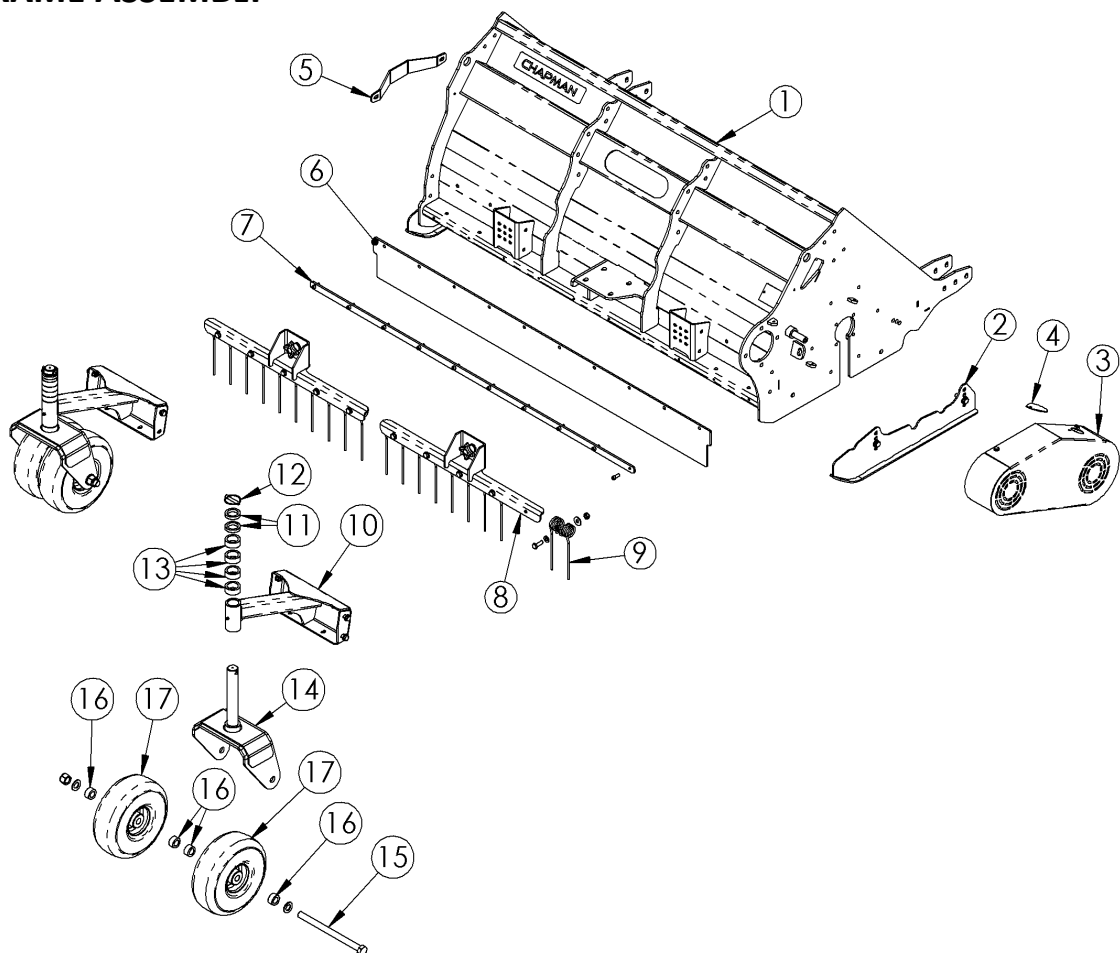
DRAWBAR ASSEMBLY



Machine Model

REF.	CPC150 (1.5m)	CPC180 (1.8m)	Description	QTY. CPC150	QTY. CPC180
1	CPC-HA		Headstock Assembly	1	1
2	Z522130KR		Lower Link Pin inc. Linch Pin	2	2
3	CPC-PSH		PTO Shaft Storage Hook	1	1
	M10-30HB		M8 x 30mm Setscrew 8.8	1	1
	M10-000PW		M8 Plain Washer Form A	2	2
4	CPC-PPL		CPC Series Short Pivot Pin	1	1
	GN8125180		Grease Nipple M8 Straight	1	1
	M10-20HB		M10 x 20mm Setscrew 8.8	1	1
	M10-000PW		M10 Plain Washer Form A	1	1
5	GLBB2517DU		Headstock Pivot Bushing	2	2
6	PP-2843M30		Drawbar Pivot Z/P	1	1
7	SH-002		Swivel Hitch Bush	2	2
8	CPC-DBS		Drawbar Spacer Washer Z/P	1	1
9	CPC-DBW		Drawbar Washer Z/P	1	1
10	M30-000CA		M30 Castle Nut	1	1
11	946380		Split Pin	1	1
12	CPC-CHK		Hydraulic Hose Kit—CPC Series	1	1
13	RS21818		3/8" Hose Clamp	1	1
14	CCO14		Hose Connector Block, 4 Way, 1/4" BSP	2	2
	TT04		1/4" Bonded Seal	8	8
	DNB04		1/4" - 1/4" MM Union	6	6
	VS04AXC		1/4" Plug	2	2
15	CPC-MBS		Manifold Block Spacer	2	2
	M6-40HB		M6 x 50mm Bolt 8.8	2	2
	M6-000PW		M6 Plain Washer Form A	2	2
16	CPC-DBA		Drawbar Assembly	1	1
	GN8125180		Grease Nipple M8 Straight	1	1
	M12-40HB		M12 x 40mm Bolt 8.8	8	8
	M12-000PW		M12 Plain Washer Form A	16	16
	M12-000NN		M12 Nylon Lock Nut	8	8

MAINFRAME ASSEMBLY



Machine Model

REF.	CPC150 (1.5m)	CPC180 (1.8m)	Description	QTY. CPC150	QTY. CPC180
1	CPC150-MFA	CPC180-MFA	Mainframe Assembly	1	1
	CPC150-DECAL	CPC180-DECAL	Decal Kit	1	1
	DE2205K		Edge Protection Strip (PER METRE)	0.5m	0.5m
2	CPC-SDA		Skid Welded Assembly	2	2
	M12-40HB		M12 x 40mm Bolt 8.8	4	4
	M12-000PW		M12 Plain Washer Form A	8	8
	M12-000NN		M12 Nylon Lock Nut	4	4
3	CPC-BGA		Belt Guard Assembly	1	1
	M8-20HB		M8 x 20 Bolt 8.8	3	3
	M8-000PW		M8 Plain Washer Form A	3	3
4	FM120-071PC		Grease Point Cover	1	1
	M8-30CS		M8 x 20mm Countersunk Set Screw	1	1
	M8-000PW		M8 Plain Washer Form A	3	3
	M8-000NN		M8 Nylon Lock Nut	1	1
5	CPC-BCP		Bearing Cover Plate	1	1
	M10-40HB		M10 x 40mm Bolt 8.8	2	2
	M10-000PW		M10 Plain Washer Form A	4	4
	M10-000NN		M10 Nylon Lock Nut	2	2
6	RS-CFM150	RS-CFM180	Front Rubber Strip	1	1
7	CFM150-RFS	CFM180-RFS	Rubber Fixing Strip	1	1
	M8-30CS		M8 x 20 Socket Head Cap Screw	10	12

MAINFRAME ASSEMBLY CONTINUED...

Machine Model

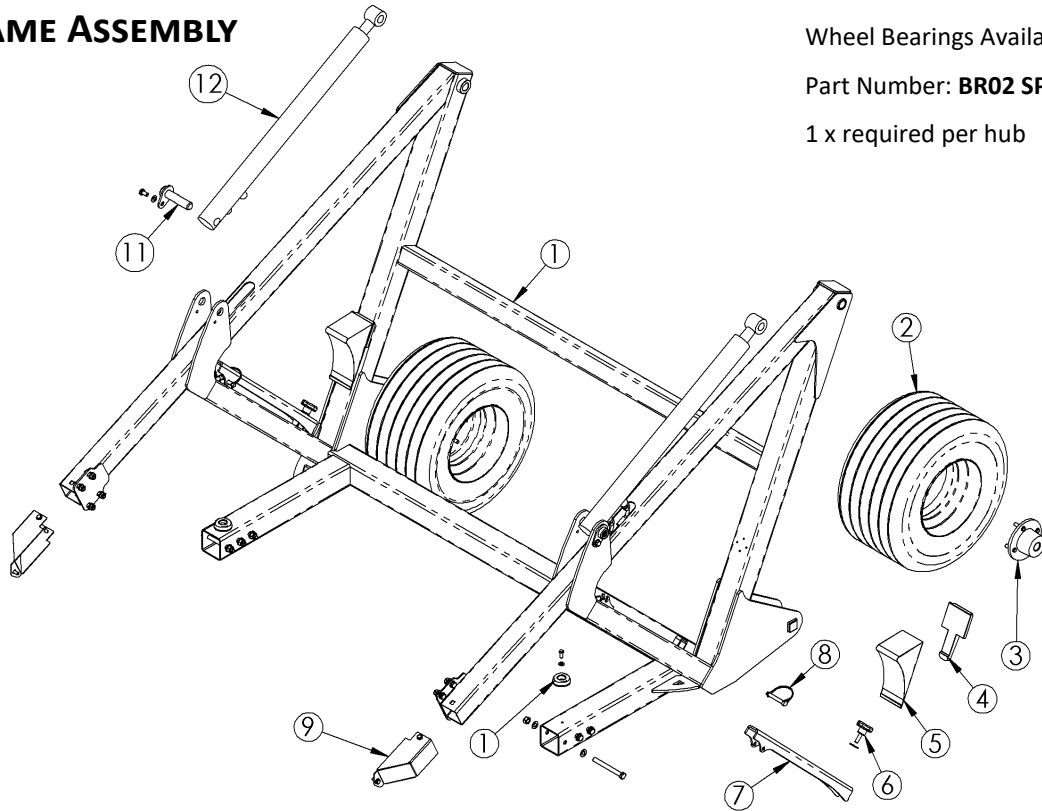
REF.	CPC150 (1.5m)	CPC180 (1.8m)	Description	QTY. CPC150	QTY. CPC180
8	CPC150-TBA	CPC180-TBA	Tine Bar Assembly (Sweeper Models Only)	2	2
	F189-60M12		Hand Wheel M12 x 60	2	2
	M12-000PWG		M12 Plain Washer Form G	2	2
9	781943M1N		Agitator Tine (Sweeper Models Only)	10	12
	M10-30HB		M10 x 30 Bolt 8.8	10	12
	M10-000PW		M10 Plain Washer Form A	10	12
	M10-000PWG		M10 Plain Washer Form G	10	12
	M10-000NN		M10 Nylon Lock Nut	10	12
10	CPC-CMA		Castor Mounting Assembly	2	2
	M10-30HB		M10 x 30 Bolt 8.8	16	16
	M10-000PW		M10 Plain Washer Form A	32	32
	M10-000NN		M10 Nylon Lock Nut	16	16
11	CWS-10		Castor Wheel Height Adjuster 10mm	4	4
12	LP8SAKR		Linch pin 8mm	2	2
13	CWS-20		Castor Wheel Height Adjuster 20mm	8	8
14	CPC-CWA		Castor Fork Assembly	2	2
15	M20-280HB		M20 x 280mm Bolt 8.8	2	2
	M20-000PW		M20 Plain Washer Form A	4	4
	M20-000NN		M20 Nylon Lock Nut	2	2
16	CWS-252535		Castor Wheel Spacer	8	8
17	WAT-41354		Castor Wheel and Tyre Assembly	4	4

REAR FRAME ASSEMBLY

Wheel Bearings Available Separately:

Part Number: **BR02 SP**

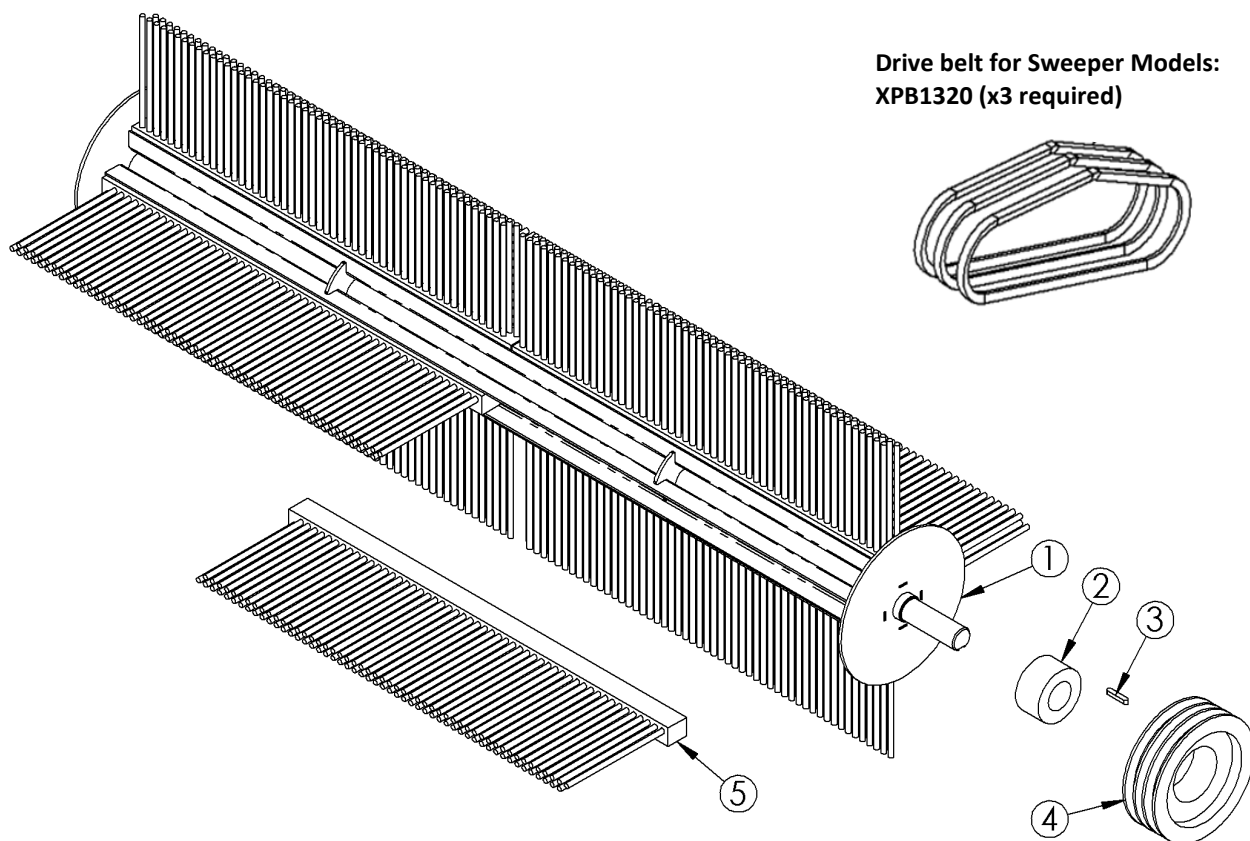
1 x required per hub



Machine Model

REF.	CPC150 (1.5m)	CPC180 (1.8m)	Description	QTY. CPC150	QTY. CPC180
1	CPC150-RFA	CPC180-RFA	Rear Frame Welded Assembly	1	1
	M12-120HB		M12 x 120mm Bolt 8.8	6	6
	M12-000PW		M12 Plain Washer Form A	12	12
	M12-000NN		M12 Nylon Lock Nut	6	6
	M10-30HB		M10 x 30mm Bolt 8.8	8	8
	M10-000PW		M10 Plain Washer Form A	16	16
	M10-000NN		M10 Nylon Lock Nut	8	8
2	WAT-201210		Wheel and Tyre Assembly	2	2
3	ADR-200H		Wheel Hub 4 x 100mm	2	2
4	401954.001		Chock Storage Bracket	2	2
	M6-20HB		M6 x 20mm Bolt 8.8	8	8
	M6-000PW		M6 Plain Washer Form A	8	8
5	480330X		Wheel Chock	2	2
6	F189-50 M10		M10 x 50 Hand Wheel	2	2
	M10-000PW		M10 Plain Washer Form A	2	2
7	CPC-CSB		Hydraulic Cylinder Stop Bracket	2	2
8	LP1070KR		Locking Pin 10mm	2	2
9	CPC-HCP		Hose Cover Plate	2	2
	M8-20HB		M8 x 20 Setscrew 8.8	6	6
	M8-000PW		M8 Plain Washer Form A	6	6
10	NVF75		Hopper Bump Stop	2	2
	M8-20HB		M8 x 20 Set Screw 8.8	2	2
11	CPC-PPL		Cylinder Lower Pivot Pin	2	2
	GN8125180		Grease Nipple M8 Straight	2	2
	M10-20HB		M10 x 20 Setscrew 8.8	2	2
	M10-000PW		M10 Plain Washer Form A	2	2
12	C50-30-600		CPC Series Hydraulic Cylinder	2	2

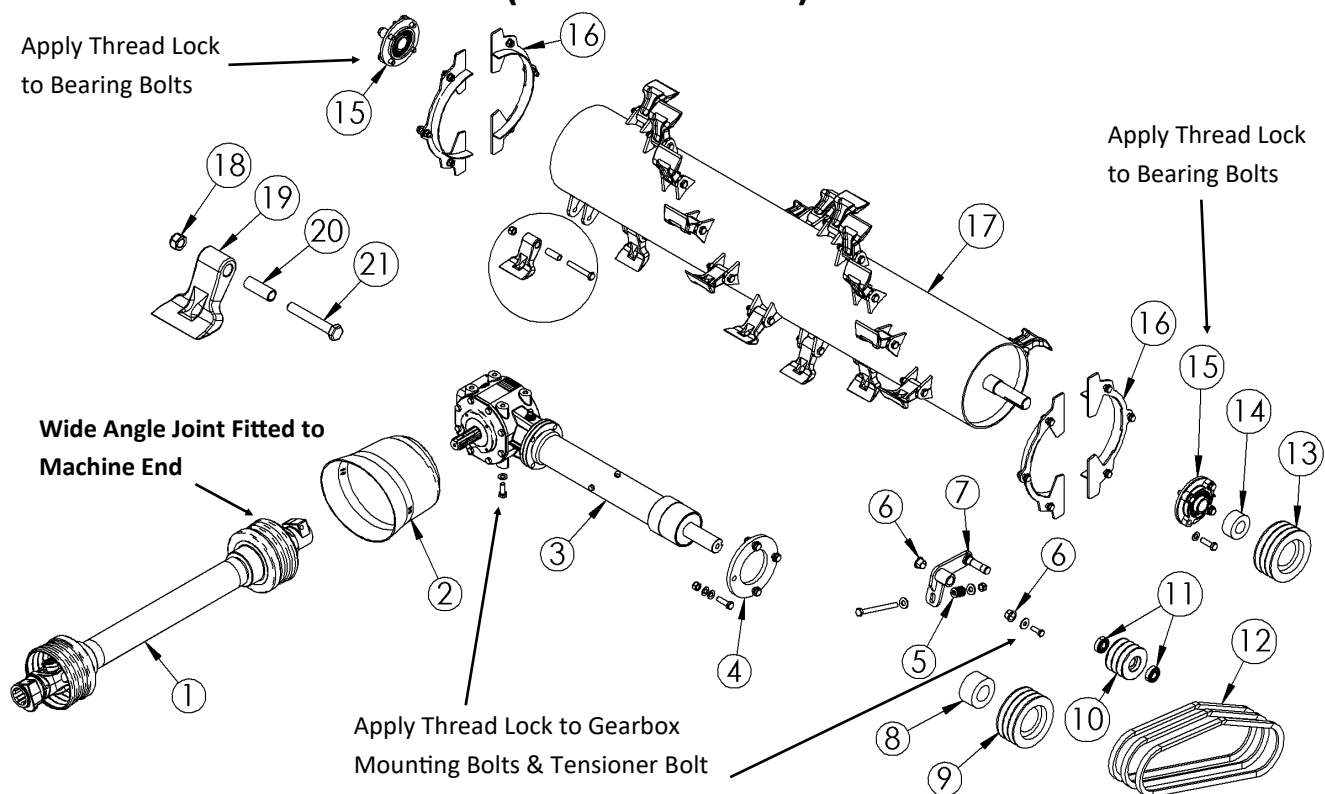
BRUSH ROTOR ASSEMBLY (SWEEPER COLLECTOR ONLY)



Machine Model

REF.	CPC150 (1.5m)	CPC180 (1.8m)	Description	QTY. CPC150	QTY. CPC180
1	CPC150-BRA	CPC180-BRA	Brush Rotor Assembly (Excluding Brushes)	1	1
2	2517x35		Taper Lock Bush	1	1
3	688510650		120 x 6 x 50 Feather Key	1	1
4	SPB190/3		Rotor Pulley Ø190mm PCD	1	1
5	BBS-750	BBS-600	Brush Section	8	12
	M8-50HB		M8 x 50mm Bolt 8.8	24	36
	M8-000PW		M8 Plain Washer Form A	24	36
	M8-000NN		M8 Nylon Lock Nut	24	36

ROTOR & DRIVELINE ASSEMBLY (FLAIL COLLECTOR)



Machine Model

REF.	CPC150 (1.5m)	CPC180 (1.8m)	Description	QTY. CPC150	QTY. CPC180
1	6OMI0710CE		Wide Angle PTO Shaft Complete	1	1
2	C2001C1		PTO Guard Cone	1	1
	M8-10CS		M8 x 10mm Socket Head Cap Screw	4	4
	M8-000PWG		M8 Plain Washer Form G	4	4
3	CFM-GBA	CPC180-GBA	Gearbox And Extension Shaft Assembly	1	1
	LP06M		Level Indicator	2	2
	M12-30HB		M12 x 30mm Setscrew 8.8	4	4
	M12-000PW		M12 Plain Washer Form A	4	4
4	CFM-GSC		Gearbox Support Collar	1	1
	M12-40HB		M12 x 40mm Bolt 8.8	4	4
	M12-000PW		M12 Plain Washer Form A	8	8
	M12-000NN		M12 Nylon Lock Nut	4	4
5	R204505		Belt Tensioner Spring	1	1
	M12-140HS		M12 x 140mm Setscrew 8.8	1	1
	M12-000PWG		M12 Plain Washer Form G	3	3
	M12-000NN		M12 Nylon Lock Nut	1	1
6	P210FM-2023-16		Tensioner Pivot Bush	2	2
7	CPC-TA		Tensioner Welded Assembly	1	1
	M10-20HB		M10 x 20mm Setscrew 8.8	1	1
	M10-000PWG		M10 Plain Washer Form G	1	1
8	2012x40		Taper Lock Bush 2012 40mm Bore	1	1
	6885128100		12 x 8 x 100 Feather Key	1	1
9	SPB140/3		SPB Section Pulley 3 Groove	1	1
10	SPB90-3		Tensioner Pulley, SPB, 3 Groove	1	1
11	6004-2RS		Tensioner Pulley Bearing	2	2
	47120		Circlip External 20mm	1	1
12	QXPB1250		Drive Belt (FLAIL MODEL ONLY)	3	3

ROTOR & DRIVELINE ASSEMBLY (FLAIL COLLECTOR) CONTINUED...

Machine Model					
REF.	CPC150 (1.5m)	CPC180 (1.8m)	Description	QTY. CPC150	QTY. CPC180
13	SPB140/3		Rotor Pulley (Flail Collector Only)	1	1
14	2012x35		2012 x Ø35mm Taper Lock Bush	1	1
	688510650		10 x 6 x 50 Feather Key	1	1
15	FYC35TF		Rotor Bearing	2	2
	M12-40HB		M12 x 40mm Bolt 8.8	8	8
	M12-000PW		M12 Plain Washer Form A	8	8
16	CPC-FRG		Flail Rotor Guard	4	4
	M10-30HB		M10 x 30mm Bolt 8.8	10	10
	M10-40HB		M10 x 40mm Bolt 8.8	2	2
	M10-000PW		M10 Plain Washer Form A	24	24
	M10-000NN		M10 Nylon Lock Nut	12	12
17	CPC150-MRA		Flail Rotor Assembly (Flail Collector Only)	1	1
	CFM-HF(ASSY)	Replacement Flail Assembly (Comprises items 18-21 Below)		22	26
18	M12-000NN		M12 Nylon Lock Nut	1	1
19	CFM-HF-01		Hammer Flail	1	1
20	BB-02(HARDENED)		Hardened Hammer Flail Bush	1	1
21	M12-80HB10.9		M12 x 80mm Bolt 10.9	1	1

Gearbox Oil Specification:

Gearbox and extension shaft oils are separate and must be replaced individually: Fill until oil level is in bottom half of sight glass.

Oil Specification: **Transmission Oil, Mineral, API GL-4, SAE 80W-90**

Oil Capacities Below:

CPC150:

Gearbox Oil Capacity - 1L

Extension Shaft Capacity - 750ml

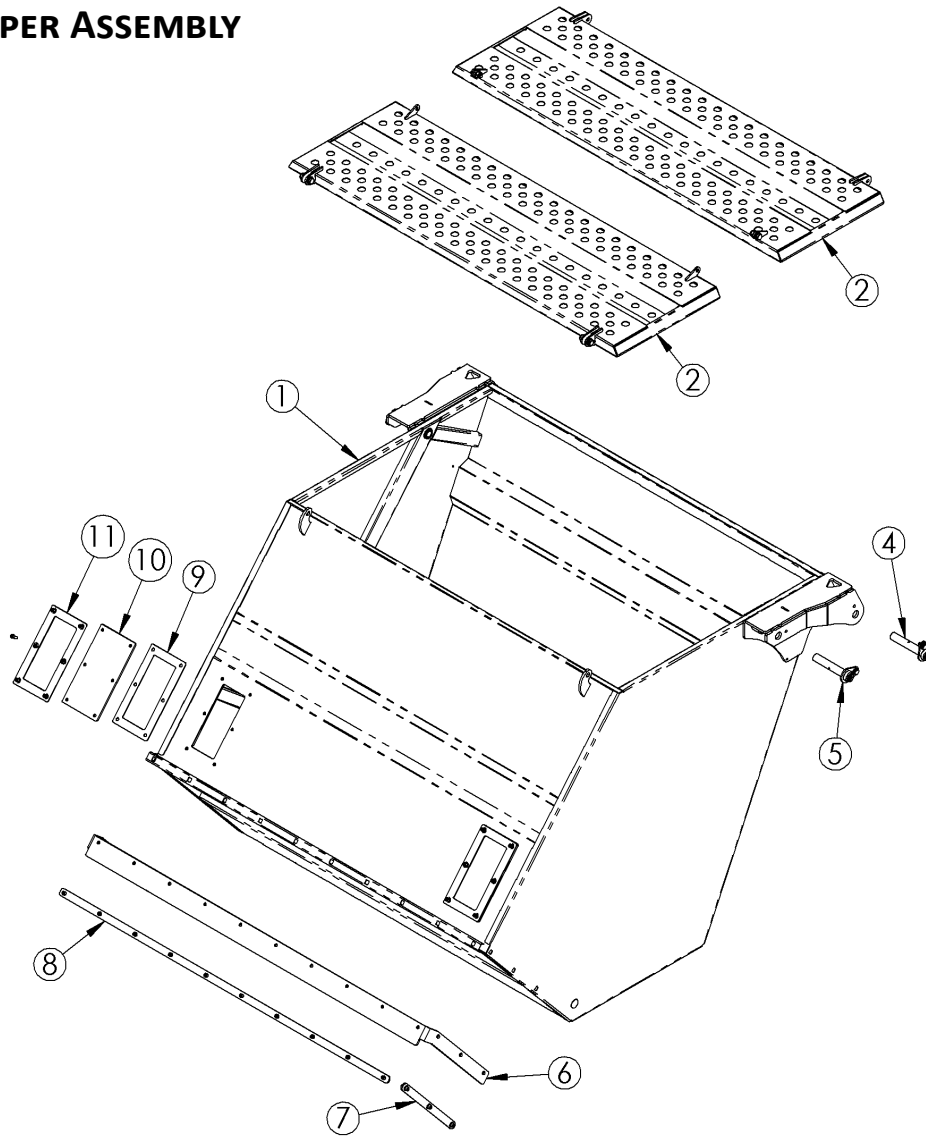
CPC180:

Gearbox Oil Capacity - 1L

Extension Shaft Capacity - 1L

FOR SWEEPER COLLECTOR BRUSH ROTOR COMPONENTS, PULLEY & BELTS: SEE PAGE 7

VENTED HOPPER ASSEMBLY



Machine Model

REF.	CPC150 (1.5m)	CPC180 (1.8m)	Description	QTY. CPC150	QTY. CPC180
1	CPC150-VHA	CPC180-VHA	Vented Hopper Assembly	1	1
	PLB219-BLK		Blanking Plug	2	2
2	CPC150-TCA	CPC180-TCA	Front Hopper Cover	1	1
	M10-30HB		M10 x 30mm Bolt 8.8	2	2
	M10-000PW		M10 Plain Washer Form A	4	4
	M10-000NN		M10 Nylon Lock Nut	2	2
3	CPC150-TCR	CPC180-TCR	Rear Hopper Cover	1	1
	M10-30HB		M10 x 30mm Bolt 8.8	2	2
	M10-000PW		M10 Plain Washer Form A	4	4
	M10-000NN		M10 Nylon Lock Nut	2	2
4	CPC-PPR		Hopper Pivot Pin	2	2
	GN8125180		Grease Nipple M8 Straight	2	2
	M0-20HB		M10 x 20mm Bolt 8.8	2	2
	M10-000PW		M10 Plain Washer Form A	2	2
5	CPC-PPR		Cylinder Upper Pivot Pin	2	2
	GN8125180		Grease Nipple M8 Straight	2	2
	M10-20HB		M10 x 20mm Bolt 8.8	2	2
	M10-000PW		M10 Plain Washer Form A	2	2

VENTED HOPPER ASSEMBLY CONTINUED...

Machine Model

REF.	CPC150 (1.5m)	CPC180 (1.8m)	Description	QTY. CPC150	QTY. CPC180
6	RS-CPC150H	RS-CPC180H	Hopper Front Rubber Seal	1	1
7	RM120-018PC		Rubber Fixing Strip Short	2	2
	M8-20CS		M8 x 20mm Socket Head Cap Screw	6	6
	M8-000CN		M8 Cage Nut	6	6
8	CFM150-RFS	CFM180-RFS	Rubber Fixing Strip	1	1
	M8-20CS		M8 x 20mm Socket Head Cap Screw	10	12
	M8-000CN		M8 Cage Nut	10	12
9	RS-CPC150W		Viewing Window Rubber Seal	2	2
10	CPS-125275		Viewing Window	2	2
11	CPC-WVS		Viewing Window Bolting Plate	2	2
	M8-20CS		M8 x 30mm Socket Head Cap Screw	12	12