

# CHAPMAN

## Parts List

### Trailed Flail Mowers - FM120 & FM150

Standard and PRO models (Fitted with GX630 or IGX800 Engine)



From Serial Number: **23233**

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Chapman Machinery Ltd, Hele Barton, Week St. Mary, Holsworthy, Devon EX22 6XR

Tel: 01288 308149

Email: [sales@chapman.co.uk](mailto:sales@chapman.co.uk)



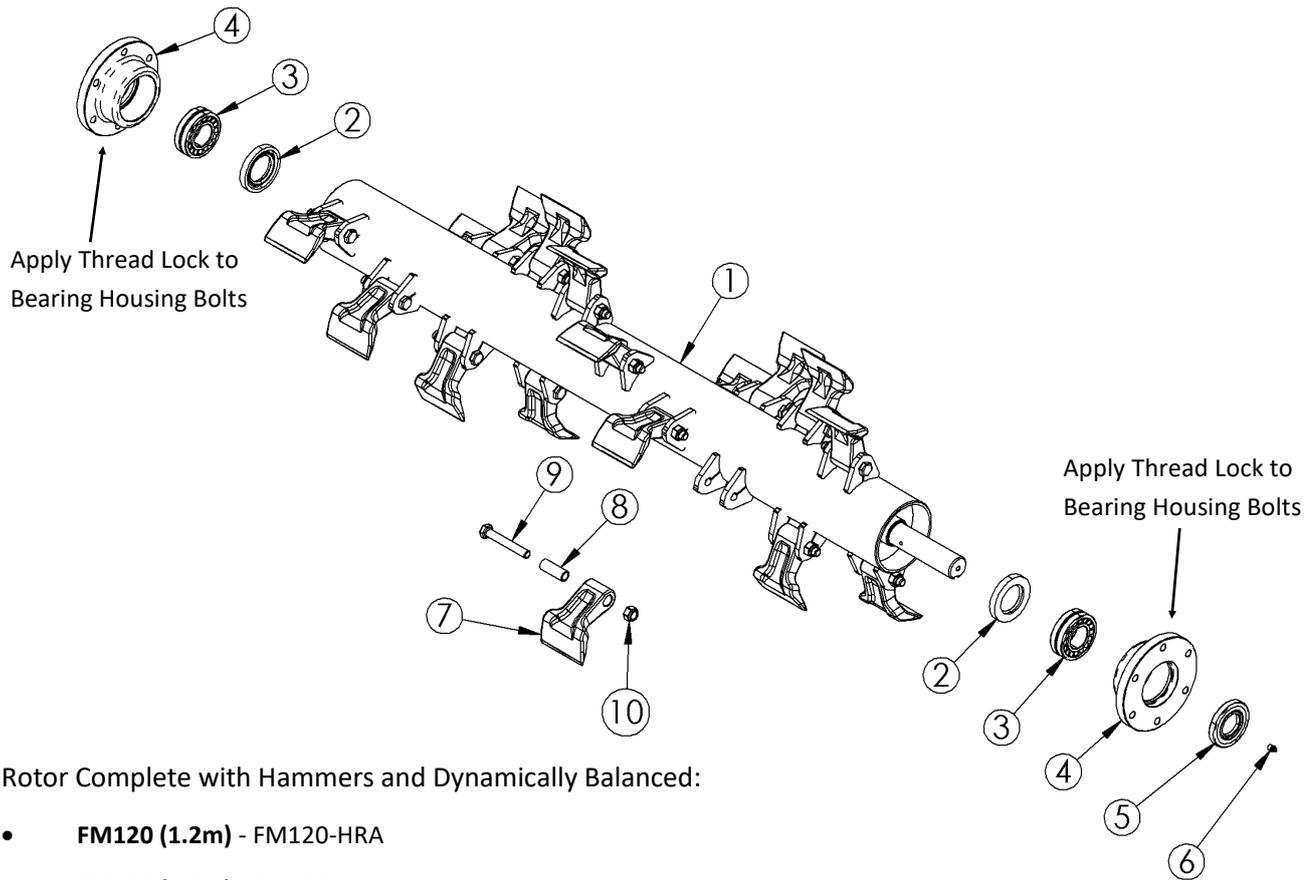
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For any queries or components not listed in these parts drawings,  
Please contact Chapman Machinery .

Please confirm parts are suitable for the year of manufacture and model variant of the machine.  
For parts lists for earlier machines, Please contact Chapman Machinery.

## ROTOR ASSEMBLY - FORGED HAMMER FLAILS



Rotor Complete with Hammers and Dynamically Balanced:

- **FM120 (1.2m)** - FM120-HRA
- **FM150 (1.5m)** - FM150-HRA

### Machine Model

REF.	FM120 (1.2m)	FM150 (1.5m)	Description	QTY. FM120	QTY. FM150
1	CFM120-MRA	CFM150-MRA	Main Rotor Assembly	1	1
2	R42x72x10		Inner Shaft Seal	2	2
3	22207		Spherical Roller Bearing	2	2
4	BH-72150		Bearing Housing	2	2
5	R35x72x10		Outer Shaft Seal	1	1
6	GN8125180		Grease Nipple	1	1
7	CFM-HF-01		Forged Hammer Flail	18	22
8	M12-80HB10.9		M12 x 80 Bolt Grade 10.9	18	22
9	BB-02(HARDENED)		Hammer Flail Mounting Bush	18	22
10	M12-000NN		M12 Nylon Lock Nut	18	22

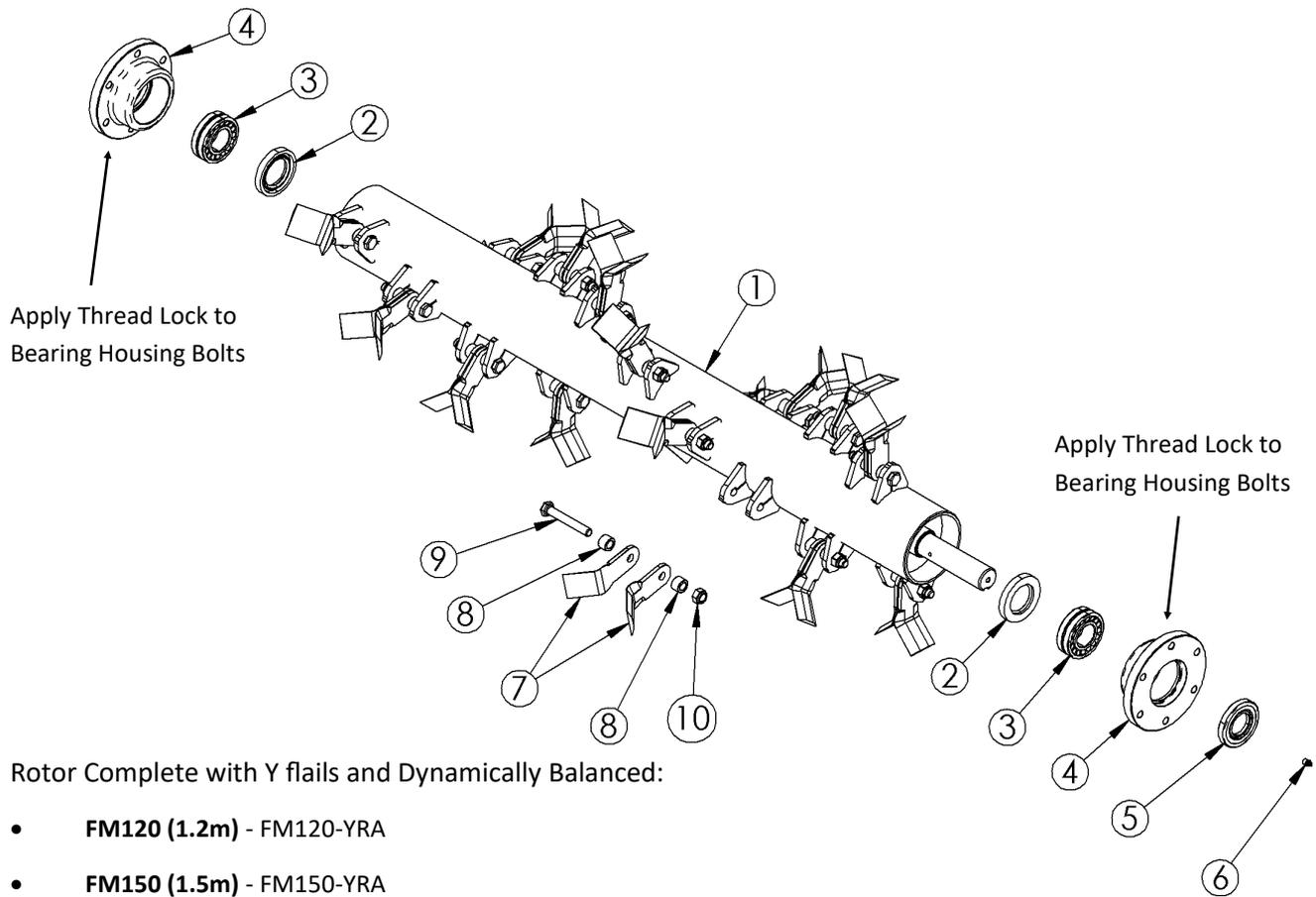
Replacement Hammer Flails Available as Kits, including fasteners.

Single Replacement Hammer Flail Kit: **CFM-HF(ASSY)** - Comprising Items 7,8,9&10

Complete Hammer Flail Replacement Kit for FM120: **CFM120-HF(ASSY)**

Complete Hammer Flail Replacement Kit for FM150: **CFM150-HF(ASSY)**

## ROTOR ASSEMBLY - Y FLAILS



### Machine Model

REF.	FM120 (1.2m)	FM150 (1.5m)	Description	QTY. FM120	QTY. FM150
1	CFM120-MRA	CFM150-MRA	Main Rotor Assembly	1	1
2	R42x72x10		Inner Shaft Seal	2	2
3	22207		Spherical Roller Bearing	2	2
4	BH-72150		Bearing Housing	2	2
5	R35x72x10		Outer Shaft Seal	1	1
6	GN8125180		Grease Nipple	1	1
7	FM-YF		Y Flail (Single)	36	44
8	M12-80HB10.9		M12 x 80 Bolt Grade 10.9	18	22
9	BS-03		Y Flail Spacer	36	44
10	M12-000NN		M12 Nylon Lock Nut	18	22

Replacement Y Flails Available as Kits, including fasteners.

Single Replacement Y Flail Kit:

**CFM-YF(ASSY)** - Comprising Items 7,8,9&10

Complete Y Flail Replacement Kit for FM120:

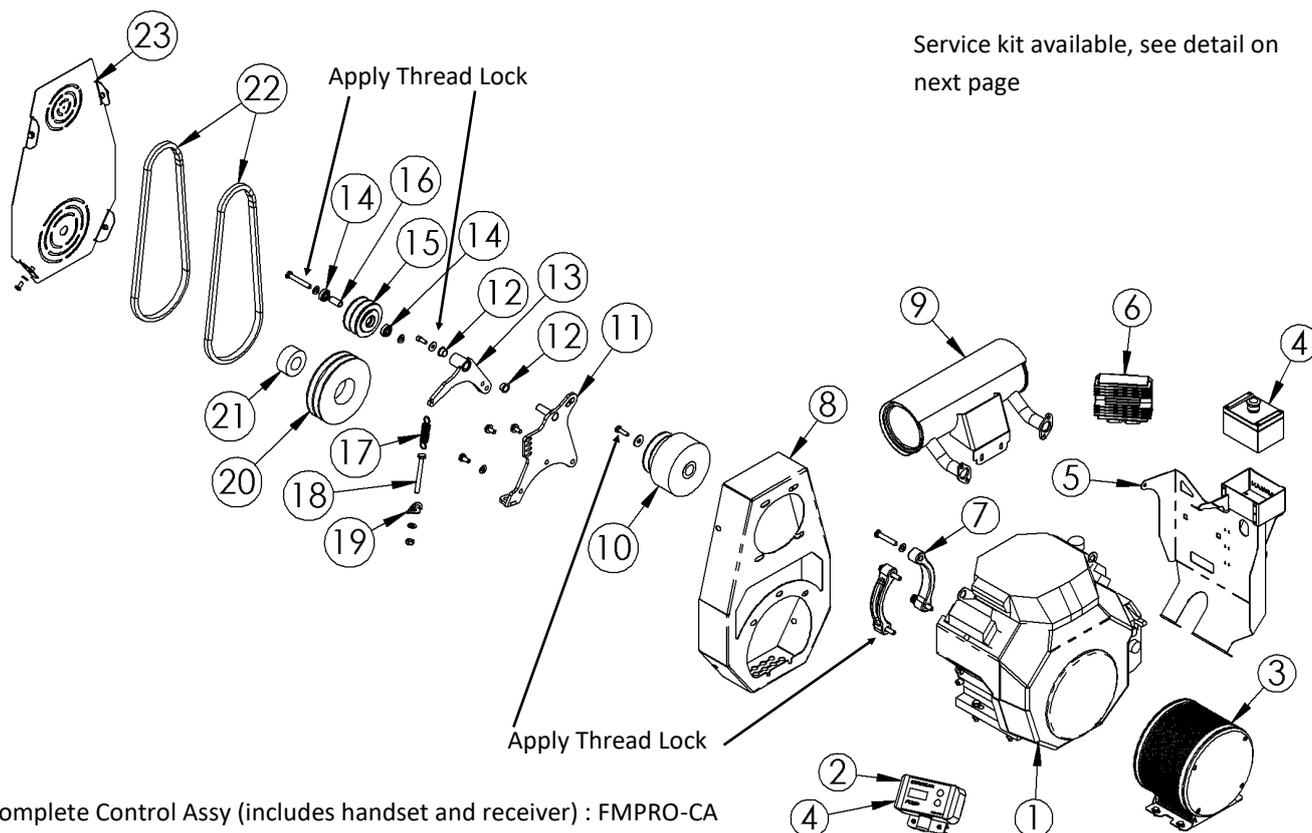
**CFM120-YF(ASSY)**

Complete Y Flail Replacement Kit for FM150:

**CFM150-YF(ASSY)**

## ENGINE AND DRIVELINE - MACHINES FITTED WITH IGX800 ENGINE

Service kit available, see detail on next page



Complete Control Assy (includes handset and receiver) : FMPRO-CA

Handset only: FMPRO-RCA

### Machine Model

REF.	FM120 (1.2m)	FM150 (1.5m)	Description	QTY. FM120	QTY. FM150
1	GX800IRH		Honda IGX800	1	1
	M10-50HB		M10 x 50 Bolt 8.8	4	4
	M10-000PW		M10 Plain Washer Form A	8	8
	M10-000NN		M10 Nylon Lock Nut	4	4
2	FMPRO-RCA		Control Handset (Excludes receiver unit)	1	1
3	FM-SGG		Screen Grid Guard	1	1
	M8-16HS		M8 x 16 Setscrew 8.8	4	4
	M8-000PW		M8 Plain Washer Form A	4	4
	6320/002		Screen Grid Seal	0.8m	0.8m
4	FMPRO-CA		Control system - FM PRO (Complete)	1	1
	5.012FLST30TC1D		M5 x 20 Setscrew 8.8	4	4
5	FM-REG		Rear Engine Guard	1	1
	Cable Tie		Cable Tie	4	4
	M8-30HS		M8 x 30 Setscrew 8.8	2	2
	M8-000PW		M8 Plain Washer Form A	2	2
	M8-000CN		M8 Cage Nut	2	2
6	31750-Z6L-004		Regulator/Rectifier 30A (IGX800 ONLY)	SUPPLIED WITH ENGINE	
	M8-20CS		M8 x 20 Cap Head Set Screw 8.8	2	2
7	FM-FIS		Pro Engine Spacer	4 (2)	4 (2)
	7/16-2" UNC		7/16 x 2" UNC Hex Head Bolt	3	3
	7/16-2 1/2" UNC		7/16 x 2 1/2" UNC Hex Head Bolt	1	1
8	FM-DGA		Drive Guard Assembly	1	1

## ENGINE AND DRIVELINE - MACHINES FITTED WITH IGX800 ENGINE (CONT...)

### Machine Model

REF.	FM120 (1.2m)	FM150 (1.5m)	Description	QTY. FM120	QTY. FM150
9	FM-MUFFLER		Muffler Assembly	1	1
10	K125-1959		Clutch Assembly—(PRO SPEC)	1	1
	68856640		Key Round Ends 6 x 6 x 40	1 (Included with Engine)	1 (Included with Engine)
	7/16" x 1 1/4" UNF		7/16" x 1 1/4" UNF Setscrew	1	1
	M10-000PWG		M10 Plain Washer Form G	1	1
11	FM-TBA		Tensioner Bracket Assembly	1	1
	M10-20HB		M10 x 20 Setscrew 8.8	3	3
	M10-000PW		M10 Plain Washer Form A	3	3
12	MFM-1618-12		Tensioner Pivot Bushing	2	2
13	FM-TAA		Tensioner Arm Assembly	1	1
	M8-20CS		M8-20 Cap Head Screw	1	1
	M8-000PWM		M8 Mudguard Washer	1	1
14	6200-2RS		Tensioner Pulley Bearing	2	2
15	SPB90-2		Tensioner Pulley	1	1
	M10-70HB		M10 x 70 Bolt 8.8	1	1
	M10-000PWA		M10 Plain Washer Form G	1	1
16	SPB90-2SPACER		Tensioner Pulley Bearing Spacer	1	1
17	E07501052500M		Tensioner Spring	1	1
18	M10-100HS		Tensioner Bolt	1	1
	M10-000PW		Plain Washer M10 Form A	1	1
	M10-000NN		M10 Nylon Lock Nut	1	1
19	FM120-003PC		Tensioner Spring Clip	1	1
20	SPB170/2		Rotor Drive Pulley	1	1
21	2012x35		Rotor Pulley Taper Lock Bush	1	1
	688510850		Key Round Ends 10 x 8 x 50	1	1
22	XPB1150		Drive Belt	2	2
23	FM-DCA		Driveline Cover Assembly	1	1
	M8 RIVNUT 0-3MM		Rivet Nut M8	4	4
	M8-16HS		M8 x 16mm Setscrew 8.8	4	4
	M8-000PW		M8 Plain Washer Form A	4	4
	M8-000CN		M8 Cage Nut	4	4

Service Kit Part Number: **SERVICE KIT FM**

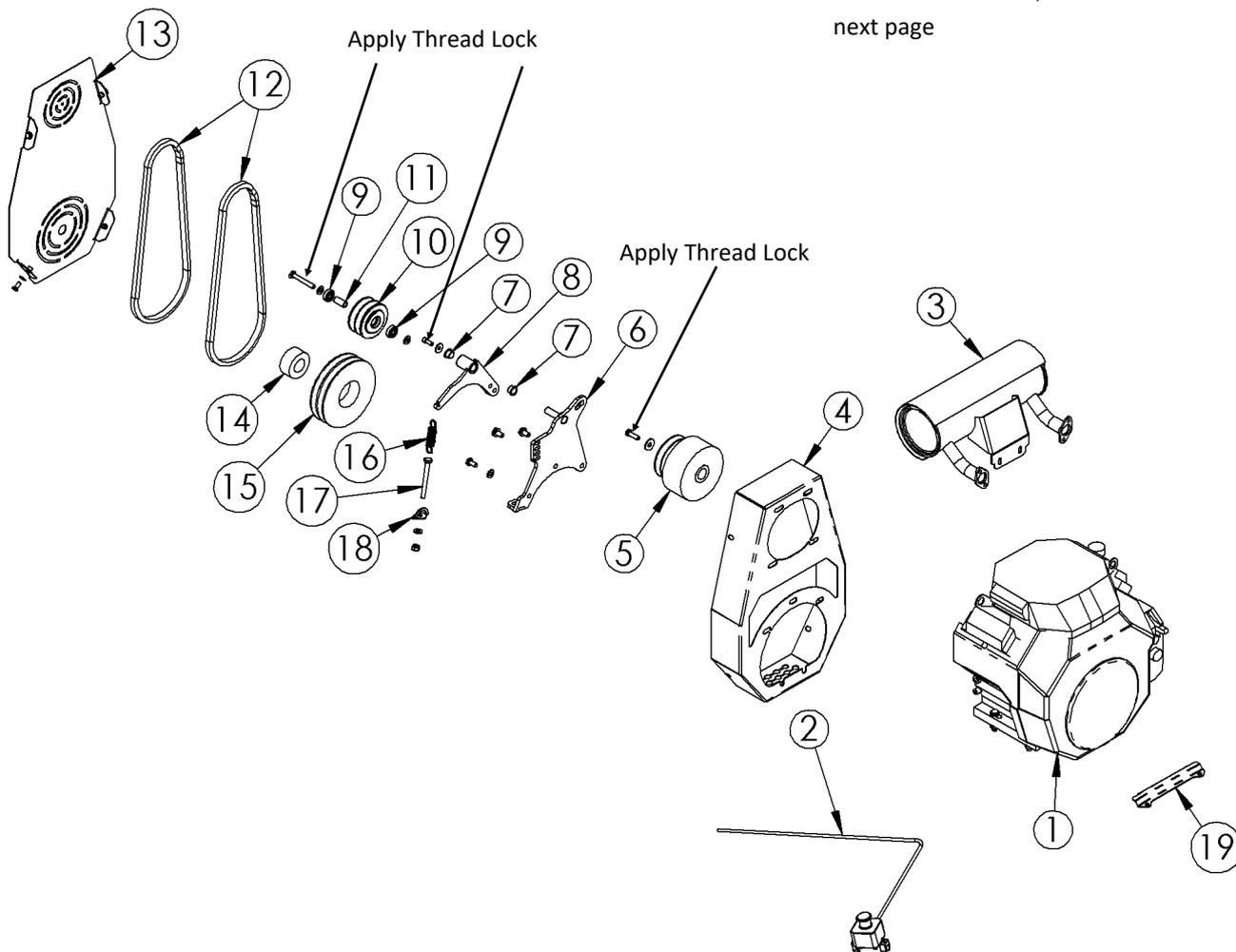
- Air Filter
- Fuel Filter
- Oil Filter
- Engine Oil
- Spark Plugs

Clutch Rebuild Kits are available:

For IGX800 Engine : **RK125-1959**

# ENGINE AND DRIVELINE - MACHINES FITTED WITH GX630 ENGINE

Service kit available, see detail on next page



## Machine Model

REF.	FM120 (1.2m)	FM150 (1.5m)	Description	QTY. FM120	QTY. FM150
1	GX630		Honda GX630 (Standard Models)	1	1
	M10-50HB		M10 x 50 Bolt 8.8	4	4
	M10-000PW		M10 Plain Washer Form A	8	8
	M10-000NN		M10 Nylon Lock Nut	4	4
2	FM-ESA		Stop Switch Assembly	1	1
3	FM-MUFFLER		GX630/IGX800 Muffler	1	1
4	FM-DGA		Drive Guard Assembly	1	1
	7/16-1" UNC		7/16 x 1" UNC Hex Head Bolt	3	3
	7/16-1 1/4" UNC		7/16 x 1 1/4" UNC Hex Head Bolt	1	1
5	K125-1922		Clutch Assembly	1	1
	68856640		Key Round Ends 6 x 6 x 40	1 (Included with Engine)	1 (Included with Engine)
	3/8" x 1 1/4" UNF		3/8"x 1 1/4" UNF Setscrew	1	1
	M10-000PWG		M10 Plain Washer Form G	1	1
6	FM-TBA		Tensioner Bracket Assembly	1	1
	M10-20HB		M10 x 20 Setscrew 8.8	3	3
	M10-000PW		M10 Plain Washer Form A	3	3

## ENGINE AND DRIVELINE - MACHINES FITTED WITH GX630 ENGINE (CONT...)

### Machine Model

REF.	FM120 (1.2m)	FM150 (1.5m)	Description	QTY. FM120	QTY. FM150
7	MFM-1618-12		Tensioner Pivot Bushing	2	2
8	FM-TAA		Tensioner Arm Assembly	1	1
	M8-20CS		M8-20 Cap Head Screw	1	1
	M8-000PWM		M8 Mudguard Washer	1	1
9	6200-2RS		Tensioner Pulley Bearing	2	2
10	SPB90-2		Tensioner Pulley	1	1
	M10-70HS		M10 x 70 Setscrew 8.8	1	1
	M10-000PW		M10 Plain Washer Form G	1	1
11	SPB90-2SPACER		Tensioner Pulley Bearing Spacer	1	1
12	XPB1150		Drive Belt	2	2
13	FM-DCA		Driveline Cover Assembly	1	1
	M8 RIVNUT 0-3MM		Rivet Nut M8	4	4
	M8-16HS		M8 x 16mm Setscrew 8.8	4	4
	M8-000PW		M8 Plain Washer Form A	4	4
	M8-000CN		M8 Cage Nut	4	4
14	SPB170/2		Rotor Drive Pulley	1	1
15	2012x35		Rotor Pulley Taper Lock Bush	1	1
	688510850		Key Round Ends 10 x 8 x 50	1	1
16	E07501052500M		Tensioner Spring	1	1
17	M10-100HS		Tensioner Bolt	1	1
	M10-000NN		M10 Nylon Lock Nut	1	1
18	FM120-003PC		Tensioner Spring Clip	1	1
19	FM-BLC		Fuel Pipe Cover	1	1
	M8-16HS		M8 x 16mm Bolt 8.8	2	2
	M8-000PW		M8 Plain Washer Form A	2	2

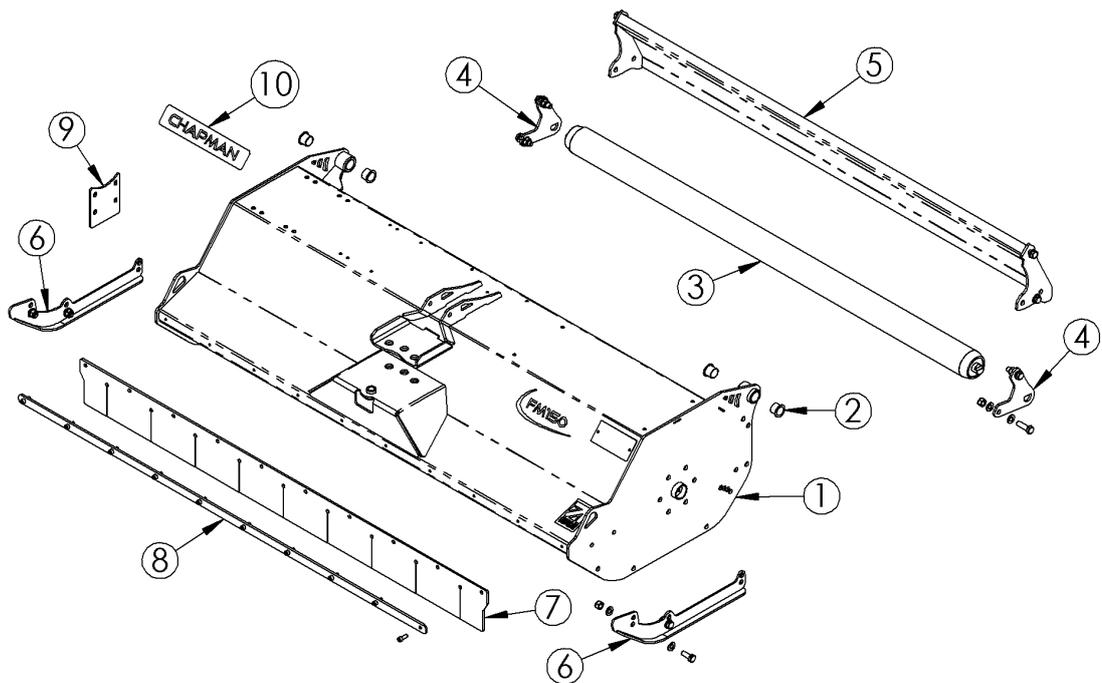
Service Kit Part Number: **SERVICE KIT FM**

- Air Filter
- Fuel Filter
- Oil Filter
- Engine Oil
- Spark Plugs

Clutch Rebuild Kits are available:

For GX630 Engine : **RK125-1922**

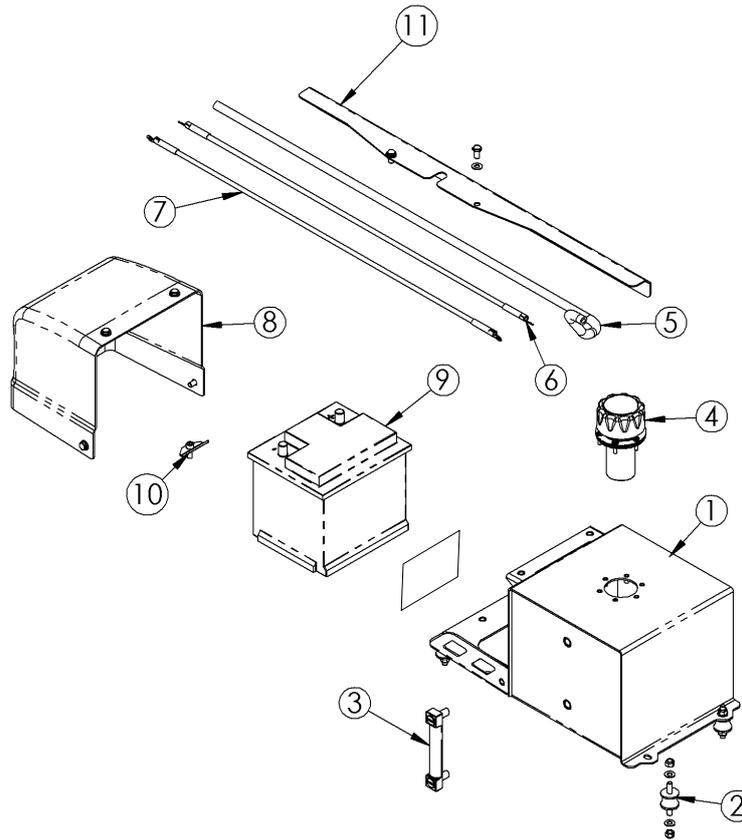
# MAINFRAME ASSEMBLY



## Machine Model

REF.	FM120 (1.2m)	FM150 (1.5m)	Description	QTY. FM120	QTY. FM150
1	FM120-MFA	FM150-MFA	Mainframe Assembly	1	1
	FM120-DECAL	FM150-DECAL	Decal Kit	1	1
	M12-30HB		M12 x 40 Setscrew 8.8	12	12
	M12-000PW		M12 Plain Washer Form A	12	12
	GN8125180		Grease Nipple M8 Straight	1	1
2	J3FM-2528-21		Axle Pivot Bushing	4	4
3	FM120-ASR	FM150-ASR	Anti Scalping Roller	1	1
4	FM-RMA		Roller Mounting Bracket	2	2
	M12-30HB		M12 x 30mm Bolt 8.8	2	2
	M12-40HB		M12 x 40mm Bolt 8.8	2	2
	M12-000PW		M12 Plain Washer Form A	4	4
	M12-000NN		M12 Nylon Lock Nut	2	2
5	FM120-RGA	FM150-RGA	Rear Guard Assembly	1	1
	M12-30HB		M12 x 30 Bolt 8.8	4	4
	M12-000PW		M12 Plain Washer Form A	8	8
	M12-000NN		M12 Nylon Lock Nut	4	4
6	FM-SMA		Skid Assembly	2	2
	M12-30HB		M12 x 30mm Bolt 8.8	4	4
	M12-000PW		M12 Plain Washer Form A	8	8
	M12-000NN		M12 Nylon Lock Nut	4	4
7	RS-CFM120	RS-CFM150	Front Rubber Skirt	1	1
8	CFM120-RFS	CFM150-RFS	Rubber Fixing Strip	1	1
	M8-20CS		M8 x 20 Cap Head Setscrew	8	10
9	CFM-SCA		Side Cover Assembly	1	1
	M10-30HB		M10 x 30 Bolt 8.8	4	4
	M10-000PW		M10 Plain Washer Form A	8	8
	M10-000NN		M10 Nylon Lock Nut	4	4

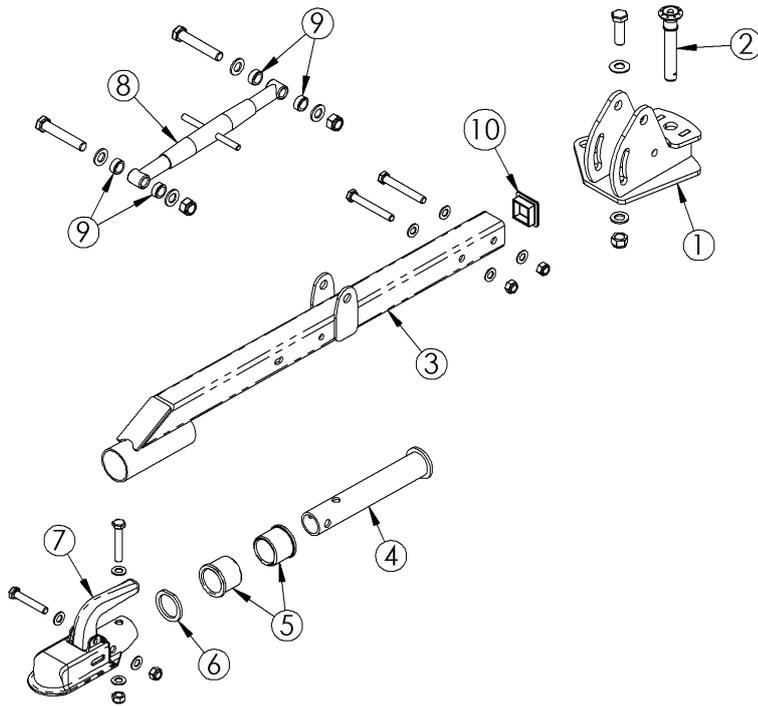
## FUEL TANK AND BATTERY



Machine Model

REF.	FM120 (1.2m)	FM150 (1.5m)	Description	QTY. FM120	QTY. FM150
1	FM-FBA		Fuel Tank Assembly	1	1
	DA325-100X5SAB		Adhesive Backed Foam Strip	0.1m	0.1m
2	AD3025M820-1.5		Fuel Tank Mount	4	4
	M8-000PW		M8 Plain Washer Form A	8	8
	M8-000NN		M8 Nylon Lock Nut	8	8
3	HCZ.127		Fuel Sight Glass (Including Screws + Seals)	1	1
4	SMN-80		Vented Fuel Cap (Including Filter + Seals)	1	1
	M5-20PP		M5 Button Head Screw Pozi Drive	6	6
5	BSAU-8-100		Fuel Hose	1.2m	1.5m
	CTL-13.7		Fuel Hose Clip	2	2
6	BCR-175		Battery Cable Positive	1	1
	BA28530		Positive Battery Terminal Clamp	1	1
7	BCB-165		Battery Cable Negative	1	1
	BA28540		Negative Battery Terminal Clamp	1	1
8	BB-FM150		Battery Cover	1	1
	M8-16HS		M8 x 16 Setscrew 8.8	4	4
	M8-000PW		M8 Plain Washer Form A	4	4
9	YBX5012		Battery	1	1
10	FM-BCP		Battery Clamp Plate	1	1
	M8-20CS		M8 x 20 Cap Head Setscrew	1	1
	M8-000PW		M8 Plain Washer Form A	1	1
11	FM120-CCP	FM150-CCP	Cable Cover Pressing	1	1
	M8-16HS		M8 x 16mm Setscrew 8.8	2	2
	M8-000PW		M8 Plain Washer Form A	2	2
	M8-000NN		M8 Nylon Lock Nut	2	2

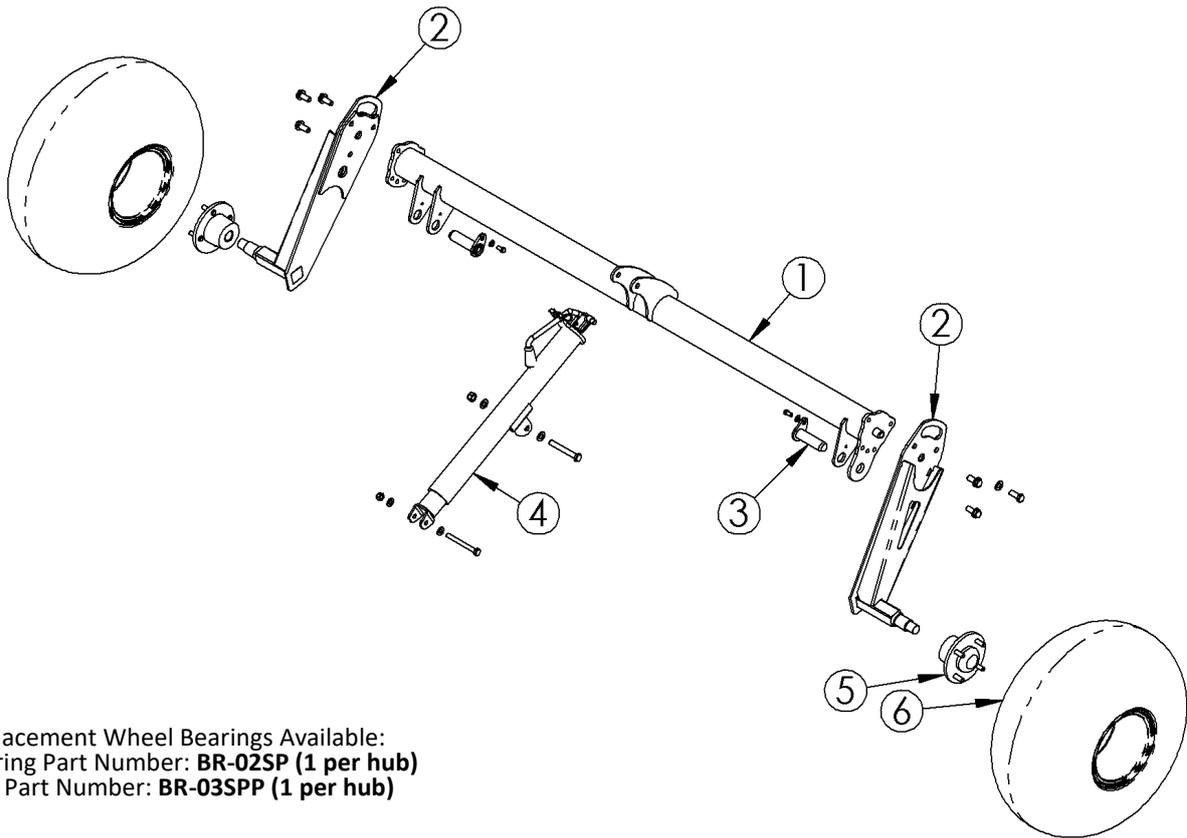
# DRAWBAR ASSEMBLY



## Machine Model

REF.	FM120 (1.2m)	FM150 (1.5m)	Description	QTY. FM120	QTY. FM150
1	FM-DBP		Drawbar Pivot	1	1
	M16-50HB		M16 x 50 Bolt 8.8	1	1
	M16-000PW		M16 Plain Washer Form A	2	2
	M16-000NN		M16 Nylon Lock Nut	1	1
2	GN114.2-20-90		Drawbar Offset Locking Pin	1	1
3	DBA-900		Drawbar Welded Assembly	1	1
	BTC-5050T		Tube End Cap	1	1
	M12-90HB		M12 x 90 Bolt 8.8	2	2
	M12-000PW		M12 Plain Washer Form A	4	4
	M12-000NN		M12 Nylon Lock Nut	2	2
4	SHS-ASSY		Drawbar Drawtube Assembly	1	1
5	SH-002		Drawbar Pivot Bush	2	2
6	SH-003ZP		Drawbar Washer	1	1
7	8802429X		Drawbar 50mm Ball Coupling Assembly	1	1
	M12-70HB		M12 x 70 Bolt 8.8	2	2
	M12-000PW		M12 Plain Washer Form A	4	4
	M12-000NN		M12 Nylon Lock Nut	2	2
8	TL-1902000GP		Drawbar Top Link Assembly	1	1
	M16-90HB		M16 x 90 Bolt 8.8	1	1
	M16-100HB		M16 x 100 Bolt 8.8	1	1
	M16-000PW		M16 Plain Washer Form A	4	4
	M16-000NN		M16 Nylon Lock Nut	2	2
9	DBS-251711		Drawbar Top Link Spacer	4	4

## STANDARD AXLE ASSEMBLY

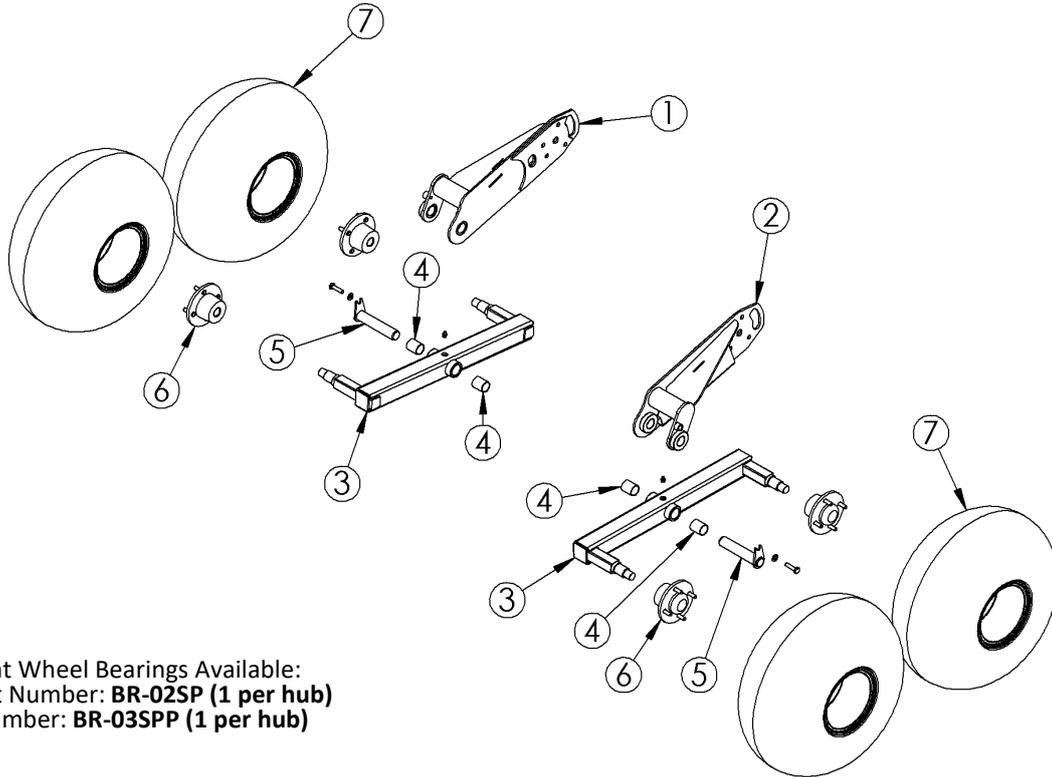


Replacement Wheel Bearings Available:  
 Bearing Part Number: **BR-02SP (1 per hub)**  
 Seal Part Number: **BR-03SPP (1 per hub)**

### Machine Model

REF.	FM120 (1.2m)	FM150 (1.5m)	Description	QTY. FM120	QTY. FM150
1	FM120-ABA	FM150-ABA	Axle Bar Assembly	1	1
2	FM-AA		Single Axle Assembly	2	2
	M12-30HB		M12 x 30 Bolt 8.8	6	6
	M12-000PW		M12 Plain Washer Form A	6	6
3	FM-APP		Axle Pivot Pin	2	2
	M8x16HS		M8 x 16 Setscrew 8.8	2	2
	M8-000PW		M8 Plain Washer Form A	2	2
4	HAI-6091		Height Adjustment Jack	1	1
	M10-100HB		M10 x 120 Bolt 8.8	1	1
	M10-000PW		M10 Plain Washer Form A	2	2
	M10-000NN		M10 Nylon Lock Nut	1	1
	M12-90HB		M12 x 90 Bolt 8.8	1	1
	M12-000PW		M12 Plain Washer Form A	2	2
	M12-000NN		M12 Nylon Lock Nut	1	1
5	WHEEL HUB		Supplied With FM-AA (Axle Assembly)  Replacement Wheel Bearings Available: Bearing Part Number: <b>BR-02SP (1 per hub)</b> Seal Part Number: <b>BR-03SPP (1 per hub)</b>	INCLUDED WITH AXLE	INCLUDED WITH AXLE
6	WAT-22118		Wheel and Tyre Assembly 22 x 11 x 8	2	2

## TWIN AXLE OPTION

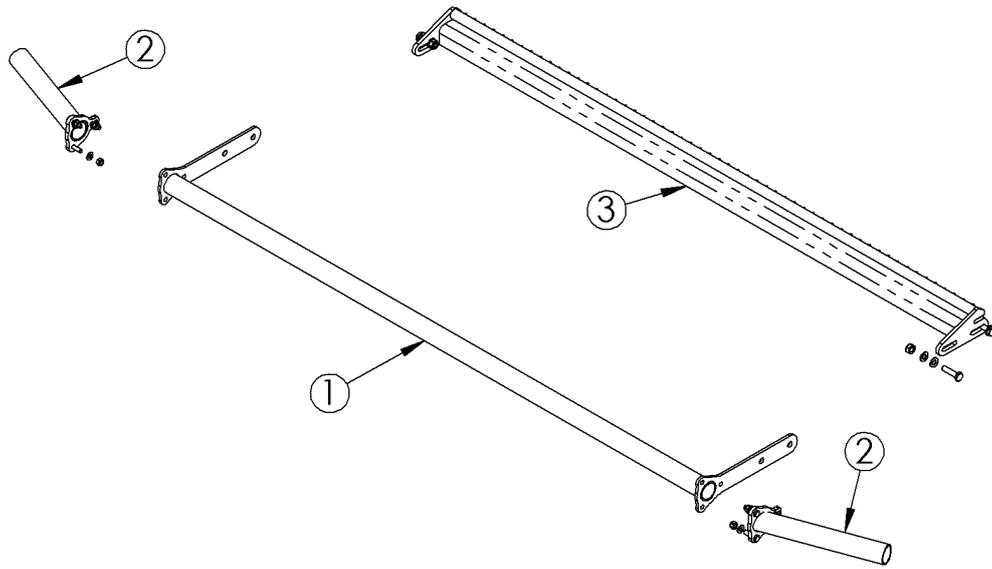


Replacement Wheel Bearings Available:  
 Bearing Part Number: **BR-02SP (1 per hub)**  
 Seal Part Number: **BR-03SPP (1 per hub)**

### Machine Model

REF.	FM120 (1.2m)	FM150 (1.5m)	Description	QTY. FM120	QTY. FM150
1	FM-TAR		FM Twin Axle Arm Right	1	1
	M12-30HS		M12 x 30mm Setscrew 8.8	3	3
	M12-000PW		M12 Plain Washer Form A	3	3
2	FM-TAL		FM Twin Axle Arm Left	1	1
	M12-30HS		M12 x 30mm Setscrew 8.8	3	3
	M12-000PW		M12 Plain Washer Form A	3	3
3	FM-TAS (BEAM)		FM Twin Axle Beam	2	2
	GN101580		Grease Nipple M10 Straight	2	2
4	GSM-3034-40		Axle Pivot Bushing	4	4
5	FM120-TAS (PIN)		FM Twin Axle Pin	2	2
	M10-40HB		M10 x 40mm Bolt 8.8	2	2
	M10-000PW		M10 Plain Washer Form A	2	2
6	WHEEL HUB		Supplied With FM-AA (Axle Assembly)  Replacement Wheel Bearings Available: Bearing Part Number: <b>BR-02SP (1 per hub)</b> Seal Part Number: <b>BR-03SPP (1 per hub)</b>	INCLUDED WITH AXLE	INCLUDED WITH AXLE
7	WAT-22118		Wheel and Tyre Assembly 22 x 11 x 8	4	4

## CUTTER BAR & BREAKER BAR OPTIONS



### Machine Model

REF.	FM120 (1.2m)	FM150 (1.5m)	Description	QTY. FM120	QTY. FM150
1	FM120-FBB	FM150-FBB	Front Breaker Bar	1	1
	M10-40HB		M10 x 40mm Setscrew 8.8	4	4
	M10-000PW		M10 Plain Washer Form A	8	8
	M10-000NN		M10 Nylon Lock Nut	4	4
2	FM-BBS		Breaker Bar Side Assembly	2	2
	M8-000PW		M8 Plain Washer Form A	6	6
	M8-000NN		M8 Nylon Lock Nut	6	6
3	FM120-MBA	FM150-MBA	Mulching Bar Assembly	1	1