

TOMAHAWK

Straw Bedder

6100H | from Serial No. 10023

MODELS 6100H



Record Your Serial No:

Issue 07/25



Safety Alert Symbol. This symbol is used in this manual and on the machine to highlight where instructions about the safe use of the machine or warnings about safety hazards on the machine are being given.

Signal Words

- ! DANGER** Indicates an imminently hazardous situation that, if not avoided, will result in death or injury.
- ! WARNING** Indicates an imminently hazardous situation that, if not avoided, could result in death or injury.
- ! CAUTION** Indicates an imminently hazardous situation that, if not avoided, may result in minor/moderate injury.
- NOTE** Indicates a potentially hazardous situation that, if not avoided, may result in property damage.
- IMPORTANT** Indicates a statement used to notify people of installation, operation or maintenance information that is important, but not hazardous.

SAFETY FIRST!

1. READ THE INSTRUCTION BOOK THOROUGHLY before attempting to operate or carry out any maintenance on the machine. If you do not understand any part of this document, ask your dealer for assistance.

! 2. DANGER. Always carry out safe maintenance. Never clean, adjust or maintain the machine until the engine has been stopped, the machine come to rest, and the drive system disengaged.

! 3. DANGER. Never work under a machine raised on the 3-point linkage or the loader unless it is securely supported.

! 4. WARNING. Never operate the machine with any parts or guards missing. Check that all guards are in good condition and in place before operating the machine.

! 5. WARNING. Operate safely. Before starting work, check that there are no persons or animals in the

immediate vicinity of the loader or tractor. Always maintain full control of the tractor/loader and machine, and ensure that all can be stopped quickly in case of emergency.



6. DANGER. Never stand between the machine and the tractor/loader wheels.



7. WARNING. Do not wear loose or ragged clothing.



8. CAUTION. Beware of dust. In dusty conditions, keep the cab windows and doors closed. The use of a dust mask conforming to EN149 is strongly recommended.



9. CAUTION. Beware of high noise levels. Some tractor/implement combinations give noise levels in excess of 90dB at the operator's ear. Under such circumstances, ear defenders should be worn. Keep cab windows and doors closed to reduce noise level.

HEALTH & SAFETY AT WORK

Our equipment is designed so as to conform with current health & safety regulations and therefore poses no significant hazard to health when properly used. Nevertheless, in the interests of all concerned, it is essential that equipment of our manufacture is used in accordance with the instructions that are supplied or are available from our technical staff.

Legislation requires that all operators are instructed in the safe operation, cleaning and maintenance of equipment and machines. This document forms part of that instruction and must be read and understood before fitting the machine onto the tractor, or attempting to use it.

Your supplier is responsible for carrying out any necessary pre-delivery inspection, fitting the machine to the tractor and test running. The supplier must also give instruction in the safe use, maintenance and adjustment of the machine.

In the interests of safety, please ensure that the aforementioned instructions are brought to the attention of all personnel/employees who are to use the equipment. We recommend that the use of this equipment is restricted to capable trained operatives. Persons under the age of sixteen should not operate the machine and should be kept away from where it is being used.

WARRANTY

The standard warranty is for 12 calendar months. It covers faulty materials and manufacture. Components supplied as part of the original machine, but manufactured by another company, e.g. motors, wheels etc., are subject to the original manufacturer's conditions and warranty.

Where repairs are carried out under warranty:-

- a)** Claims for the fitting of non-original parts will not be considered unless prior agreement has been obtained.
- b)** The repair-person must be advised that the work is to be

the subject of a warranty claim beforehand.

c) Any claim must be submitted within four weeks of the repair.

d) The damaged parts must be retained for inspection and return-carriage paid if necessary.

The right to withdraw warranty is reserved if:-

- a)** Non-original parts are fitted.
- b)** The machine has been abused, badly maintained or used for purposes other than that for which it was designed.

NOMENCLATURE

ALT - refers to a part/kit that is essential, and has alternative and/or upgradable variants available.

OPT - refers to a part/kit that is optional (not essential).

UK - United Kingdom (market), **NA** - North American (market).

The machine - refers to the Tomahawk 6100H Bale Processor.

Loader - refers to the power source used to drive the machine. It does not strictly refer to a conventional agricultural loader.

Tractor - refers to the power source used to drive the machine. It does not strictly refer to a conventional agricultural tractor.

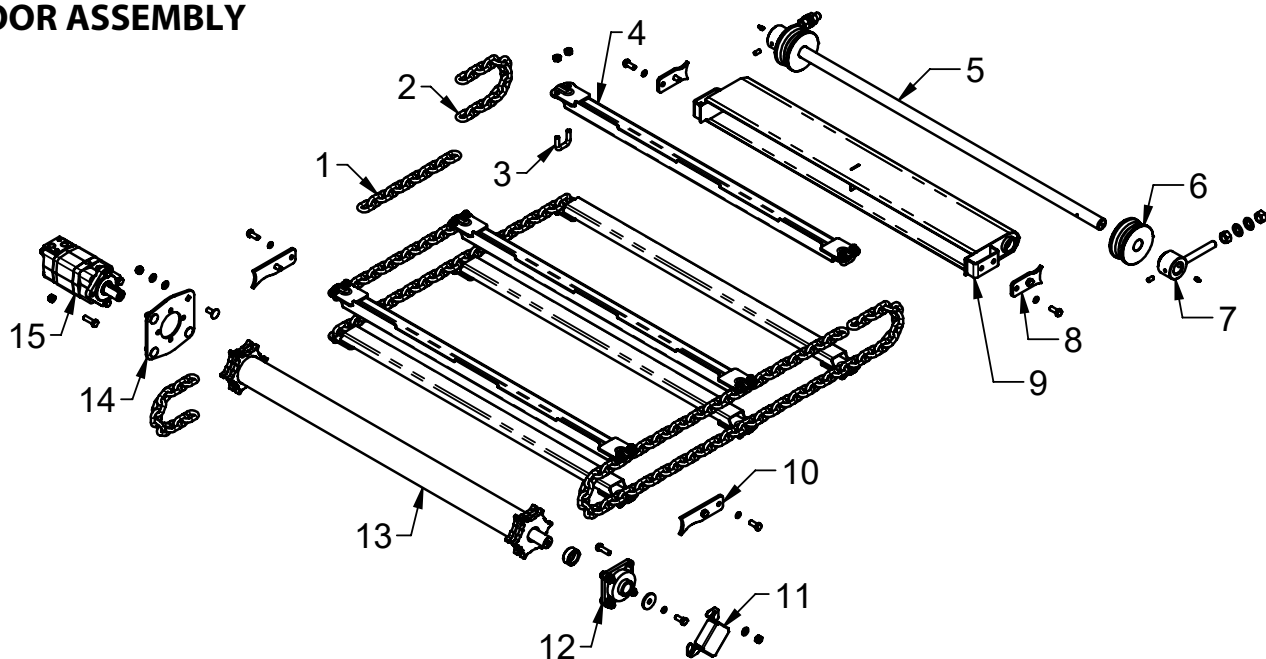
INDEX

1.	DECALS	1
2.	FLOOR ASSEMBLY	2
3.	BODY	3
4.	EXTENSION PANELS	4
5.	TOP HOUSING	5
6.	TOP CHUTE RAM	6
7.	HYDRAULIC BALE RETAINER RAM	6
8.	CHAIN BALE RETAINER	7
9.	HYDRAULIC BALE RETAINER	7
10.	CROSSBEATER & DRIVE	8
11.	TRACTOR-SPECIFIC COMPONENTS	9
12.	ELECTRICAL CONTROLS	10
13.	INLINE OIL FILTER	11
14.	VALVE BLOCK	11
15.	HYDRAULIC CIRCUIT & HOSES	12
16.	TRANSPORT FRAME	13

DECALS

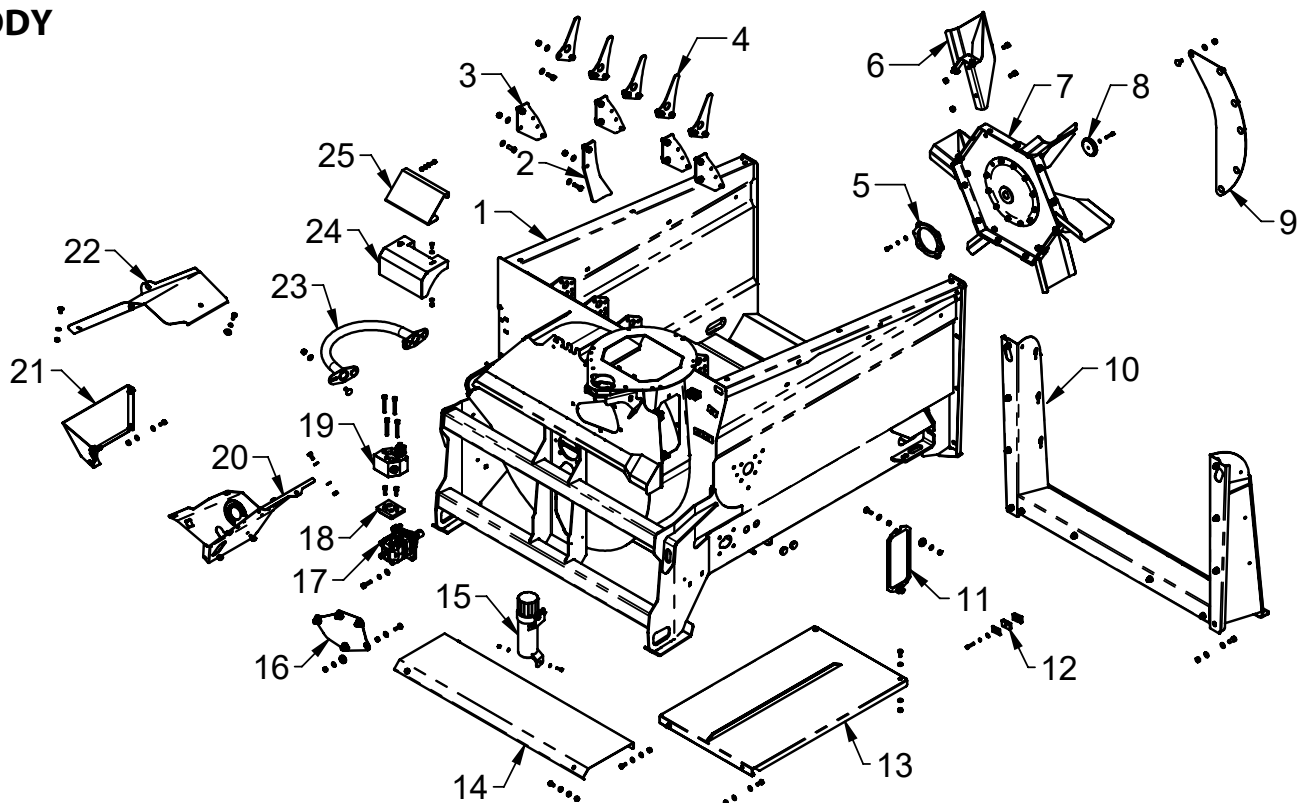
Description	Part no.	Qty.	Description	Part no.	Qty.
6100H & motif	DL1488	2	Projectile hazard	DL1039	1
Arrow (long)	DL1410	1	Read instructions book	DL1006	1
Arrow (short)	DL1411	1	Riding prohibited	DL1036	2
British quality	DL1022	1	Severing hazard	DL1033	2
Crushing hazard - body	DL1041	2	Teagle (white 300 x 98)	DL1467	2
Entanglement hazard	DL1019	2	Teagle (white 240 x 79)	DL1489	1
Grease point	DL1016	13	Tomahawk (white 800 x 110)	DL1476	2
Lifting point	DL1453	4	Serial number plate	DL2083	1
Max. hydraulic pressure	DL1391	1	Serial number plate (with retainer)	DL2084	1
Pressure gauge	DL1457	1	3.2 x 8 Pop Rivet Alu	FPP032008A	2

FLOOR ASSEMBLY



Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
1	Chain section – 11 links	SC3368	6			
2	Chain section – 13 links	SC3367	6			
3	Joiner	SC3351	12	M12 Nylon Insert Nut (8) Zinc	FNN12Z8	24
4	Slat	SC6507	6			
5	Rear shaft	SC6505	1	Grease nipple M8 x 1.0	BRG5033	2
6	Chain wheel	SC6508	2			
7	Bed chain tensioner	ED1119	2	M10 x 20 Grub Screw (14.9) Black	FGS10020B149	2
				M20 Plain Washer A Galv.	FWA20G	4
				M20 Plain Nut (8) Galv.	FNP20G8	4
8	Sprocket scraper - rear	SC4326	2	M12 x 30 Setscrew (8.8) Zinc	FS12030Z88	4
				M12 Spring Washer Zinc	FWS12Z	4
9	Rear floor section	SC6503	1			
10	Sprocket scraper - front	SC4327	2	(See ref. 8)		
11	Bearing guard	SC6538	1			
12	Flange bearing 35mm	BRG1310	1	Grease nipple M6 x 1.0	BRG5030	1
				M12 x 40 Setscrew (8.8) Galv.	FS12040G88	4
				M12 Plain Washer A Galv.	FWA12G	4
				M12 Nylon Insert Nut (8) Galv.	FNN12G8	4
13	Front sprocket weldment	SC6504	1	M12 x 30 Setscrew (8.8) Zinc	FS12030Z88	1
				M12 Spring Washer Zinc	FWS12Z	1
				13 x 50 x 5 Washer Zinc	FW1305005Z	1
				Bed drive spacer	SC6506	1
14	Hydraulic motor mount	SC6152	1	M12 x 30 Cup-sq. Bolt (4.8) Galv.	FC12030G48	4
				M12 Plain Washer A Galv.	FWA12G	4
				M12 Fibre Washer A	FWA12F	4
				M12 Nylon Insert Nut (8) Galv.	FNN12G8	4
15	Bed chain hydraulic motor (Brevini or M+S)	HYD5244	1	M12 x 40 Setscrew (8.8) Galv.	FS12040G88	4
				M12 Nylon Insert Nut (8) Galv.	FNN12G8	4
				10 x 8 x 40 Rad. Key	FKM1008040R	1
				Seal kit - Brevini ALT	HYD5245	1
				Seal kit - M+S ALT	HYD5257	1

BODY

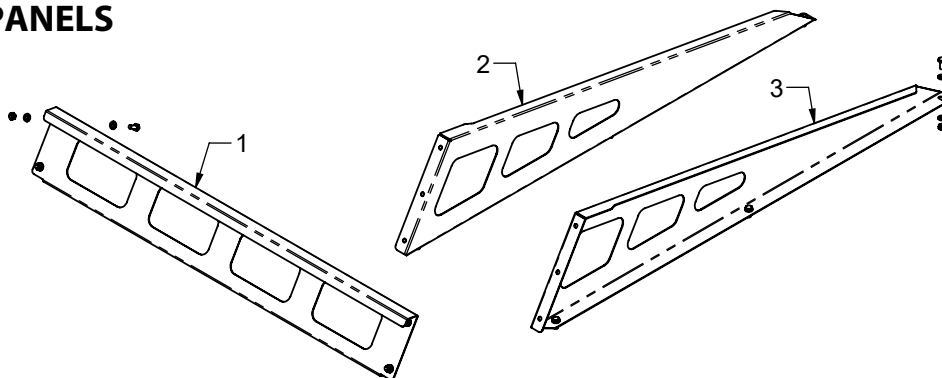


Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
1	Rotor & paddles kit	SC6510	1	(Refs. 6 & 7)		
	Fan motor kit	SC6509	1	(Refs. 17 - 19)		
	Body	SC6500	1	Rubber edging strip (0.09m)	CM2311	1
				Grease nipple M6 x 1.0, 67°	BRG5031	2
				Round plastic insert	SC4374	4
				M10 x 35 Cup-sq. Bolt (4.8) Galv.	FC10035G48	7
				M12 Nylon Washer A	FWA12N	7
				M10 Plain Nut (8) Galv.	FNP10G8	7
2	Central finger	SC6526	1	M12 x 40 Setscrew (8.8) Galv.	FS12040G88	2
				M12 Plain Washer A Galv.	FWA12G	4
				M12 Nylon Insert Nut (8) Galv.	FNN12G8	2
3	Outer finger	SC6527	4	M12 x 35 Setscrew (8.8) Galv.	FS12035G88	8
				M12 Plain Washer A Galv.	FWA12G	16
				M12 Nylon Insert Nut (8) Galv.	FNN12G8	8
4	Upper finger	SC6525	5	M12 x 35 Setscrew (8.8) Galv.	FS12035G88	10
				M12 Plain Washer A Galv.	FWA12G	20
				M12 Nylon Insert Nut (8) Galv.	FNN12G8	10
5	Fan motor holding plate	SC6502	1	M8 x 25 Setscrew (8.8) Galv.	FS08025G88	2
				M8 Spring Washer Galv.	FWS08G	2
				M8 Plain Washer A Galv.	FWA08G	2
6	Paddle (4-bolt fixing)	SC6511	6	M12 x 25 Setscrew (8.8) Galv.	FS12025G88	24
				M12 Nylon Insert Nut (8) Galv.	FNN12G8	24
7	Rotor centre	SC6512	1			
8	Rotor hub cap	SC6535	1	M8 x 40 Socket Screw (12.9) Black	FSH08040B129	1
	* Torque rated at 42Nm (31ft lb)			M8 Spring Washer Zinc	FWS08Z	1
9	Rotor closure panel	SC6523	1	M12 x 25 Cup-sq. Bolt (4.8) Galv.	FC12025G48	6
				M12 Plain Washer A Galv.	FWA12G	6
				M12 Nylon Insert Nut (8) Galv.	FNN12G8	6
10	Chamber extension	SC6501	1	M12 x 30 Setscrew (8.8) Galv.	FS12030G88	12
				M12 Plain Washer A Galv.	FWA12G	24
				M12 Nylon Insert Nut (8) Galv.	FNN12G8	12
11	Side inspection panel	SC7046	1	Pull washer	SC7038	2
				M10 Plain Washer A Galv.	FWA10G	2
				M10 Nylon Insert Nut (8) Galv.	FNN10G8	2
12	Pair of clamps - 1/4" hose	HYD1960B	4	Clamp top	HYD1960C	4
				M8 x 40 Setscrew (8.8) Galv.	FS08040G88	4
				M8 Spring Washer Galv.	FWS08G	4
				M8 Plain Washer A Galv.	FWA08G	4
13	Underfloor panel - front	SC6530	2	M10 x 25 Setscrew (8.8) Galv.	FS10025G88	8
				M10 Plain Washer A Galv.	FWA10G	16
				M10 Nylon Insert Nut (8) Galv.	FNN10G8	8

NB: M8 fastener torque not to exceed 7Nm (5ft lb)

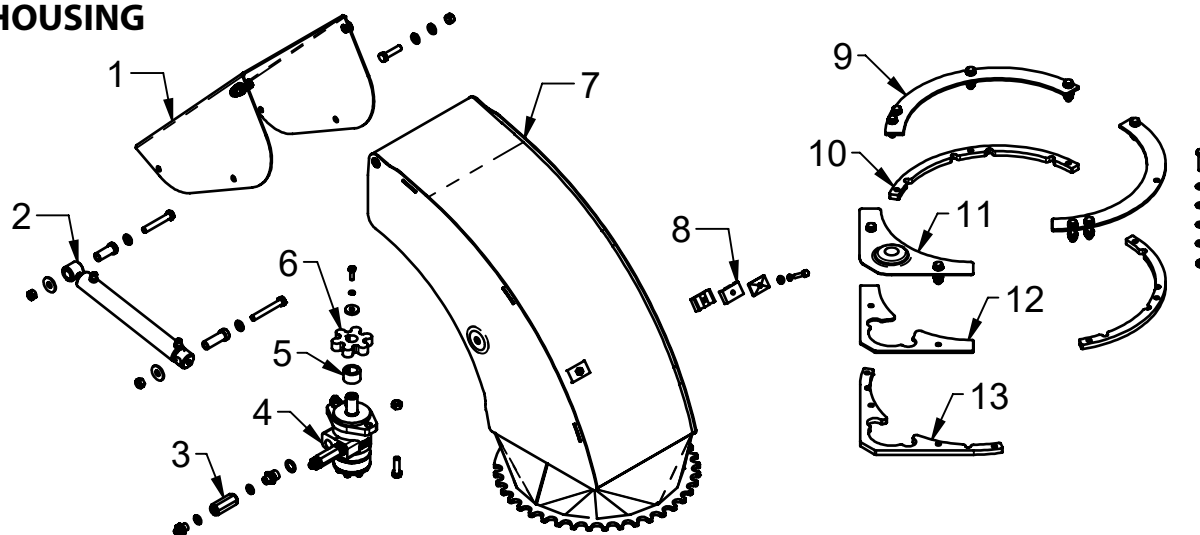
Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
14	Underfloor panel - rear	SC6529	1	M10 x 25 Setscrew (8.8) Galv. M10 Plain Washer A Galv. M10 Nylon Insert Nut (8) Galv.	FS10025G88 FWA10G FNN10G8	4 8 4
15	Instruction book holder	SC4668	1	M6 x 25 Setscrew (A4) S/S M6 Plain Washer A S/S M6 Nylon Insert Nut (A4) S/S	FS06025SA4 FWA06S FNN06SA4	3 6 3
16	Paddle access panel	SC6531	1	Pull washer M10 Plain Washer A Galv. M10 Nylon Insert Nut (8) Galv.	SC7038 FWA10G FNN10G8	5 5 5
17	Hydraulic motor 80cc	HYD5254	1	M12 x 45 Bolt (8.8) Galv. M12 Spring Washer Galv. M12 Plain Washer A Galv. Seal kit - M+S	FB12045G88 FWS12G FWA12G HYD5257	4 4 4 1
18	Hydraulic motor adaptor	HYD5471	1	M10 x 30 Socket Screw (12.9) Zinc	FSH10030Z129	2
19	Motor check valve 12V	HYD5486	1	M10 x 80 Socket Screw (12.9) Zinc	FSH10080Z129	4
20	Mounting panel	SC6532	1	Rubber edging strip (0.33m) M10 CSK Crush Nut (See ref. 14)	CM2311 FAS8333	1 3
21	Valve cover - lower	SC6534	1	Rubber edging strip (0.287m) M10 x 25 Setscrew (A4) S/S M10 Plain Washer A S/S M10 CSK Crush Nut	CM2311 FS10025SA4 FWA10S FAS8333	1 4 4 2
22	Valve cover - upper	SC6533	1	M10 x 20 Cup-sq. Bolt (4.8) Galv. M10 Plain Washer A Galv. M10 Nylon Insert Nut (8) Galv. M10 x 25 Setscrew (A4) S/S M10 Spring Washer S/S M10 Plain Washer G S/S	FC10020G48 FWA10G FNN10G8 FS10025SA4 FWS10S FWG10S	3 3 3 1 1 1
23	Bed motor guard	SC6539	1	M12 x 30 Cup-sq. Bolt (4.8) Galv. M12 Plain Washer A Galv. M12 Nylon Insert Nut (8) Galv.	FC12030G48 FWA12G FNN12G8	2 4 4
24	Control desk cover	SC5842	1	M8 x 20 Setscrew (8.8) Galv. M8 Plain Washer A Galv. M8 Nylon Insert Nut (8) Galv.	FS08020G88 FWA08G FNN08G8	2 2 2
25	Control desk cover support	SC6536	1	(See ref. 24)		

EXTENSION PANELS



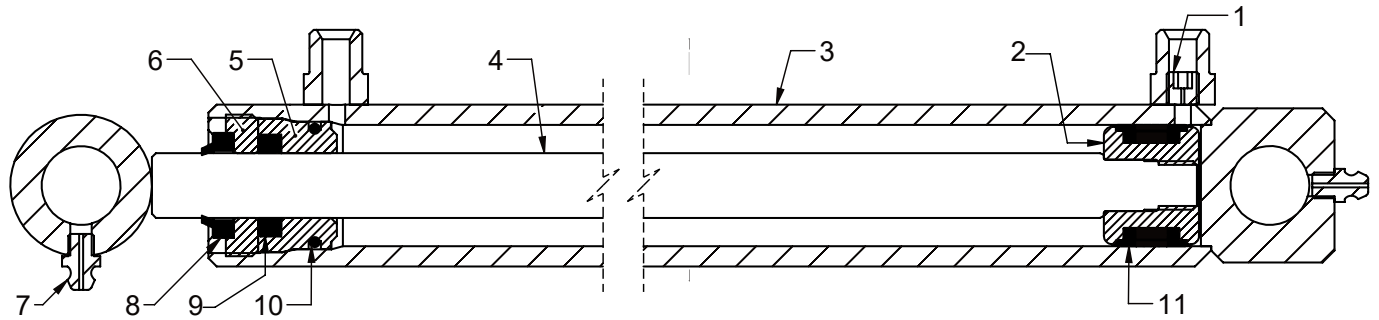
Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
	Extension panels kit OPT	SC6550	1	(All refs.)		
1	Rear panel	SC6551	1	M10 x 25 Setscrew (8.8) Galv. M10 Plain Washer A Galv. M10 Nylon Insert Nut (8) Galv.	FS10025G88 FWA10G FNN10G8	4 8 4
2	Panel LH	SC6552	1	M10 x 25 Setscrew (8.8) Galv. M10 Plain Washer A Galv. M10 Nylon Insert Nut (8) Galv.	FS10025G88 FWA10G FNN10G8	3 6 3
3	Panel RH	SC6553	1	(See ref. 2)		

TOP HOUSING



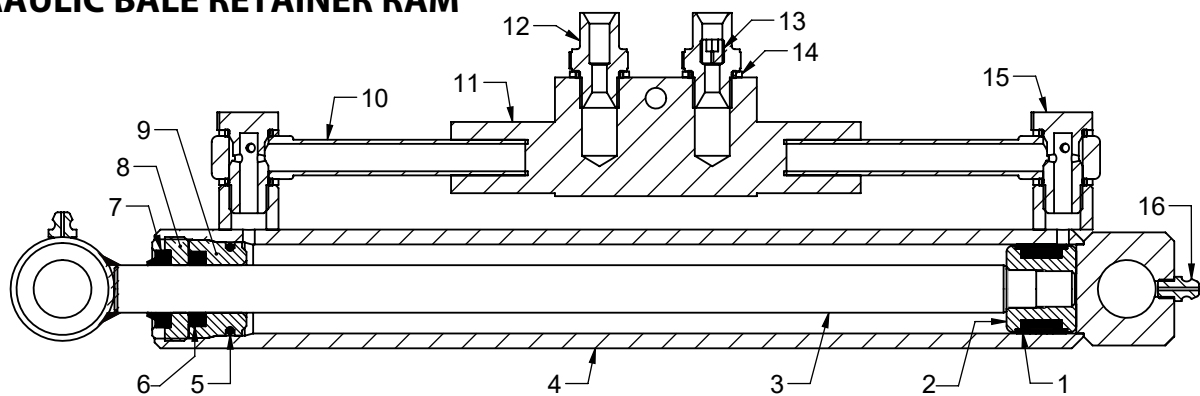
Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
1	Hydraulic motor kit End deflector	SC3775 SC6128	1 1	(Refs. 4 - 6)		
				M12 x 50 Bolt (8.8) Galv.	FB12050G88	2
				M12 Plain Washer A Galv.	FWA12G	2
				M12 Nylon Washer A	FWA12N	2
				M12 Nylon Insert Nut (8) Galv.	FNN12G8	2
2	Chute ram	CYL1035	1	Pivot bush - ram body lower	SC1297	1
				M12 x 90 Bolt (8.8) Galv.	FB12090G88	1
				Pivot bush - ram body upper	SC3297	1
				M12 x 80 Bolt (8.8) Galv.	FB12080G88	1
				M12 Plain Washer A Galv.	FWA12G	2
				M12 Plain Washer G Galv.	FWG12G	2
				M12 Nylon Insert Nut (8) Galv.	FNN12G8	2
3	3/8" check valve 1.3mm hole	HYD1755	2	Union M/M 1/2" - 3/8" BSP	HYD1115	2
				Bonded seal 1/2" BSP	HYD4204	2
				Union M/M 3/8" - 1/4" BSP	HYD1113	2
				Bonded seal 3/8" BSP	HYD4202	4
4	Hydraulic motor 200cc 25mm	HYD5232	1	M12 x 40 Setscrew (8.8) Galv.	FS12040G88	2
				M12 Nylon Insert Nut (8) Galv.	FNN12G8	2
				8 x 7 x 30 Rad. Key	FKM0807030R	1
				Seal kit - Brevini (SAM)	HYD4891	1
5	Spacer - 25mm bore	SC4209	1			
6	Gear - 25mm bore	SC4208	1	M8 x 25 Setscrew (8.8) Zinc	FS08025Z88	1
				8 x 30 x 5 Washer Zinc	FW0803005Z	1
				M8 Spring Washer Zinc	FWS08Z	1
7	Chute	SC6127	1			
8	Pair of clamps - 1/4" hose <i>NB: M8 fastener torque not to exceed 7Nm (5ft lb)</i>	HYD1960B	1	Clamp top	HYD1960C	1
				M8 x 40 Setscrew (8.8) Galv.	FS08040G88	1
				M8 Spring Washer Galv.	FWS08G	1
				M8 Plain Washer A Galv.	FWA08G	1
9	Clamp segment	SC7052	2	M10 x 45 Setscrew (8.8) Galv.	FS10045G88	8
				M10 Plain Washer A Galv.	FWA10G	16
				M10 Fibre Washer A	FWA10F	16
				M10 Nylon Insert Nut (8) Galv.	FNN10G8	8
10	Spacer segment	SC7055	2			
11	Motor cover	SC4333	1	M10 x 45 Setscrew (8.8) Galv.	FS10045G88	2
				M10 Plain Washer A Galv.	FWA10G	4
				M10 Fibre Washer A	FWA10F	4
				M10 Nylon Insert Nut (8) Galv.	FNN10G8	2
12	Motor cover spacer	SC7054	1			
13	Motor cover base	SC7056	1			

TOP CHUTE RAM



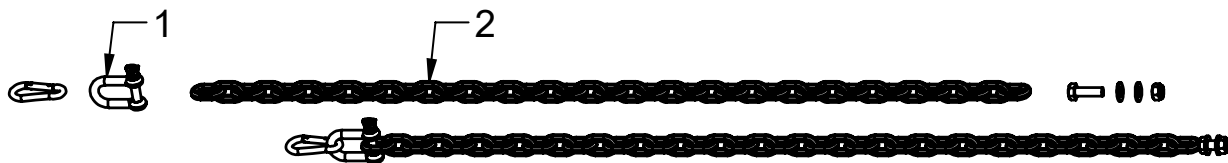
Ref.	Description	Part no.	Qty.	Ref.	Description	Part no.	Qty.
	Ram assembly	CYL1035	1	5	Rod seal housing	CYL1039	1
	Seal kit (refs. 8 - 11)	HYD4850	1	6	Wiper seal housing	CYL1040	1
	(all quantities per ram assembly)			7	Grease nipple 1/4" BSF	BRG5004	2
1	Restrictor 0.8mm	HYD1746	1	8	Wiper seal	HYD4506	1
2	Piston	CYL1038	1	9	Rod seal	HYD4483	1
3	Cylinder	CYL1036	1	10	O-ring BS120	HYD4014	1
4	Piston rod	CYL1037	1	11	Piston seal	HYD4415	1

HYDRAULIC BALE RETAINER RAM



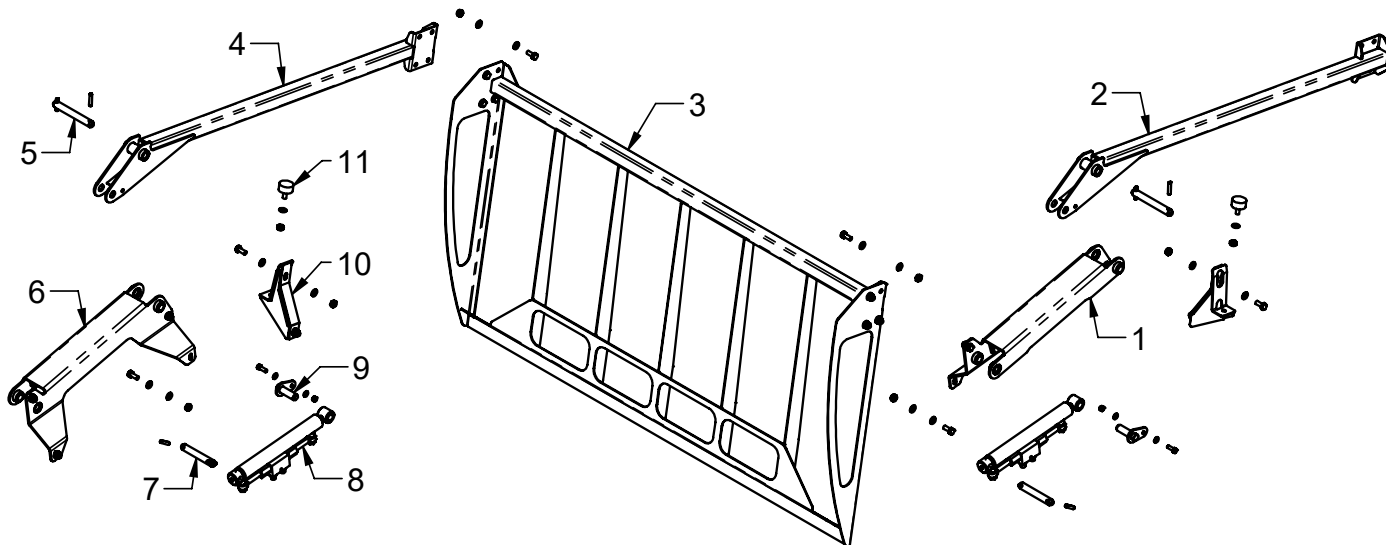
Ref.	Description	Part no.	Qty.	Ref.	Description	Part no.	Qty.
	Ram assembly	CYL1190	1	8	Wiper seal housing	CYL1040	1
	Seal kit (refs. 1 & 5 - 7)	HYD4850	1	9	Rod seal housing	CYL1039	1
	(all quantities per ram assembly)			10	Banjo pipe	CYL1188	2
1	Piston seal	HYD4415	1	11	Pilot-operated check valve	CYL1237	1
2	Piston	CYL1038	1	12	Union M/M 1/4" BSP M8 INT	HYD9011	2
3	Piston rod	CYL1037	1	13	Restrictor 0.8mm	HYD1746	1
4	Cylinder	CYL1189	1	14	Bonded seal 1/4" BSP	HYD4201	6
5	O-ring BS120	HYD4014	1	15	Banjo bolt 1/4" BSP	CYL1234	2
6	Rod seal	HYD4483	1	16	Grease nipple 1/4" BSF	BRG5004	2
7	Wiper seal	HYD4506	1				

CHAIN BALE RETAINER



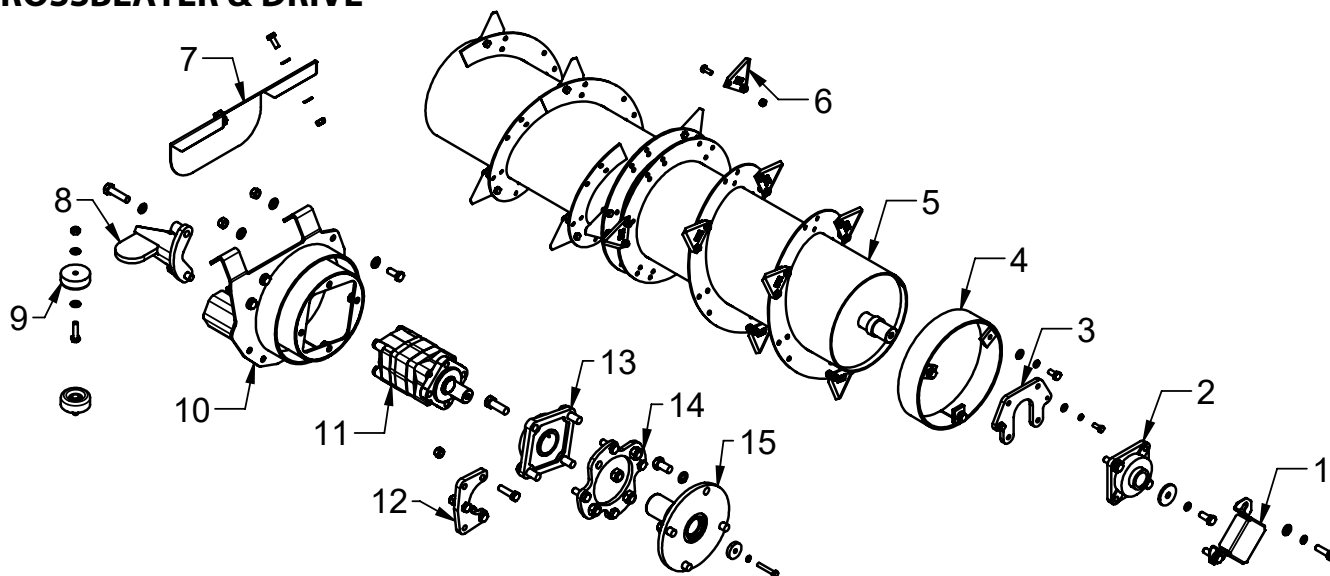
Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
	Chain BR kit (standard) ALT *	SC6555	1	(All refs.) * hydraulic BR kit can be requested instead		
1	D-shackle galv. 8mm	FAS9110	2	Carbine hook 6 x 60mm	FAS9111	2
2	Chain	SC3192	2	M8 x 25 Setscrew (8.8) Galv.	FS08025G88	2
				M8 Plain Washer A Galv.	FWA08G	4
				M8 Nylon Insert Nut (8) Galv.	FNN08G8	2
3	(Not shown) Blank. plug 1/2" BSP	HYD1404	2	Bonded seal 1/2" BSP	SC4204	2

HYDRAULIC BALE RETAINER



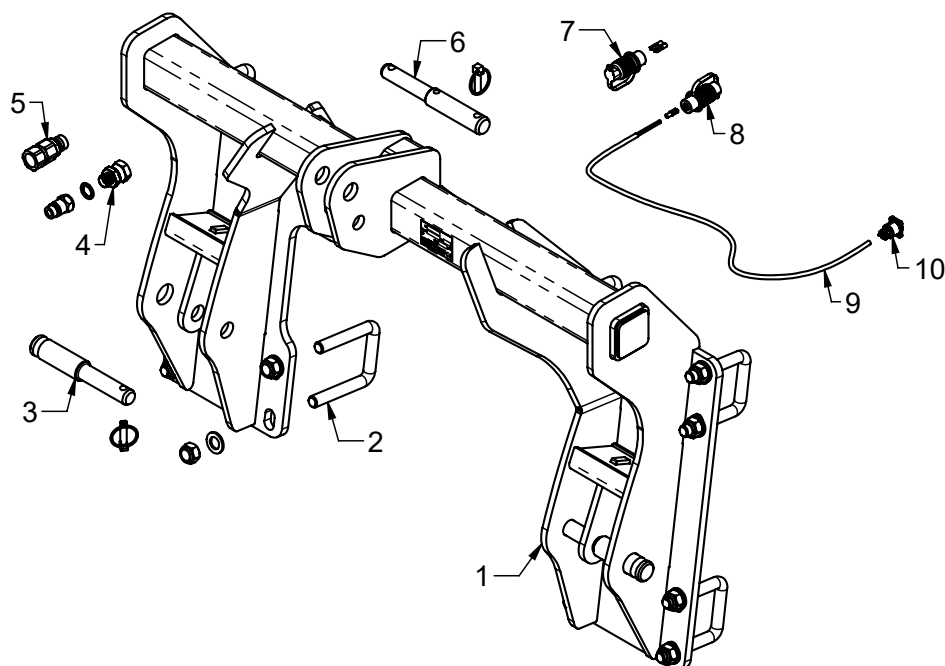
Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
	Hydraulic BR kit ALT *	SC6540	1	(All refs.) * can be requested instead of chain BR kit		
1	Pivot weldment RH	SC6543	1	M10 x 25 Setscrew (8.8) Galv.	FS10025G88	4
				M10 Plain Washer A Galv.	FWA10G	8
				M10 Nylon Insert Nut (8) Galv.	FNN10G8	4
2	Arm weldment RH	SC6545	1			
3	Gate weldment	SC6541	1	M10 x 25 Setscrew (8.8) Galv.	FS10025G88	8
				M10 Plain Washer A Galv.	FWA10G	16
				M10 Nylon Insert Nut (8) Galv.	FNN10G8	8
4	Arm weldment LH	SC6544	1			
5	Pivot pin - long	SC3296	2	8 x 40 Spring Tension Pin S/S	FTP08040S	4
6	Pivot weldment LH	SC6542	1	(See ref. 1)		
7	Pivot pin - short	TRM0738	2			
8	Double-acting ram	CYL1190	2	8 x 40 Spring Tension Pin S/S	FTP08040S	4
9	Pin weldment	SC6547	2	M8 x 25 Setscrew (8.8) Galv.	FS08025G88	2
				M8 Plain Washer A Galv.	FWA08G	4
				M8 Nylon Insert Nut (8) Galv.	FNN08G8	2
10	Stop mount	SC6546	2	(See ref. 1)		
11	Bump stop	CM3246	2	M10 Plain Washer A Zinc	FWA10Z	2
				M10 Nylon Insert Nut (8) Zinc	FNN10Z8	2

CROSSBEATER & DRIVE



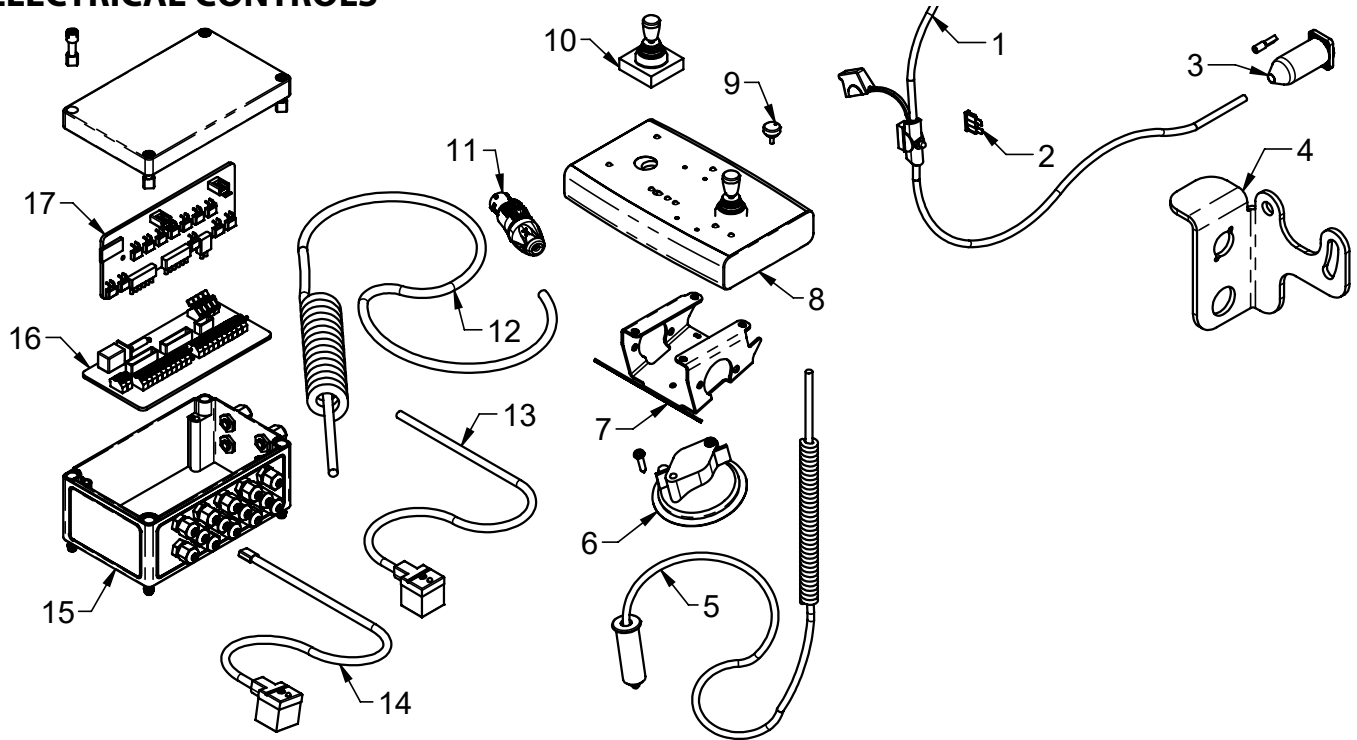
Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
	Crossbeater & blades kit	SC6514	1	(Refs. 5 & 6)		
	Crossbeater drive kit	SC6524	1	(Refs. 11 - 15)		
1	Bearing guard	SC6538	1			
2	Flange bearing 35mm	BRG1310	1	Grease nipple M6 x 1.0 M12 x 40 Setscrew (8.8) Galv. M12 Spring Washer Galv. M12 Plain Washer A Galv. M12 Nylon Insert Nut (8) Galv.	BRG5030 FS12040G88 FWS12G FWA12G FNN12G8	1 4 4 4 4
3	Bearing mount (35mm)	SC6521	1	M8 x 20 Setscrew (8.8) Galv. M8 Spring Washer Galv. M8 Plain Washer A Galv.	FS08020G88 FWS08G FWA08G	2 2 2
4	Shield ring RH	SC6522	1	M10 x 20 Setscrew (A4) S/S M10 Spring Washer S/S M10 Plain Washer A S/S	FS10020SA4 FWS10S FWA10S	3 3 3
5	Crossbeater	SC6515	1			
6	Knife blade (standard) ALT	SC1100	18	M8 x 20 Setscrew (8.8) Zinc M8 Stover Nut (8) Zinc	FS08020Z88 FNS08Z8	36 36
	Hook ripper short ALT	SC4219	18	(See ref. 6)		
7	Motor cover	SC6537	1	M10 x 25 Setscrew (8.8) Galv. M10 Plain Washer A Galv. M10 Nylon Insert Nut (8) Galv.	FC10025G88 FWA10G FNN10G8	2 4 2
8	Torque arm	SC6519	1	M14 x 55 Bolt (8.8) Zinc M14 Spring Washer Zinc	FB14055Z88 FWS14Z	2 2
9	Bump stop	SC2290	2	M10 x 45 Setscrew (8.8) Galv. M10 Plain Washer A Galv. M10 Nylon Insert Nut (8) Galv.	FS10045G88 FWA10G FNN10G8	2 4 2
10	Crossbeater mount weldment	SC6520	1	M12 x 35 Setscrew (8.8) Galv. M12 Spring Washer Galv. M12 Plain Washer A Galv. M12 Nylon Insert Nut (8) Galv.	FS12035G88 FWS12G FWA12G FNN12G8	3 9 9 6
11	Hydraulic motor 200cc 32mm (Brevini or M+S)	HYD5255	1	M12 x 45 Setscrew (8.8) Galv. M12 Nylon Insert Nut (8) Galv. Seal kit - Brevini ALT Seal kit - M+S ALT 10 x 8 x 45 Rad. Key M8 x 50 Bolt (10.9) Black M8 Spring Washer Zinc 9 x 38 x 8 Washer Zinc	FS12045G88 FNN12G8 HYD5253 HYD5257 FKM1008045R FB08050B109 FWS08Z FW0903808Z	3 3 1 1 1 1 1 1
12	Torque plate	SC6518	1			
13	Flange bearing 50mm	BRG1312	1	Grease nipple M6 x 1.0, 67° M16 x 45 Setscrew (8.8) Galv. M16 Nylon Insert Nut (8) Galv.	BRG5031 FS16045G88 FNN16G8	1 4 4
14	Bearing mount (50mm)	SC6517	1	M12 Plain Washer A Zinc M12 Nylon Insert Nut (8) Zinc	FWA12Z FNN12Z8	4 4
15	Drive coupling	SC6516	1	M16 x 30 Setscrew (8.8) Zinc M16 Spring Washer Zinc	FS16030Z88 FWS16Z	4 4

TRACTOR-SPECIFIC COMPONENTS



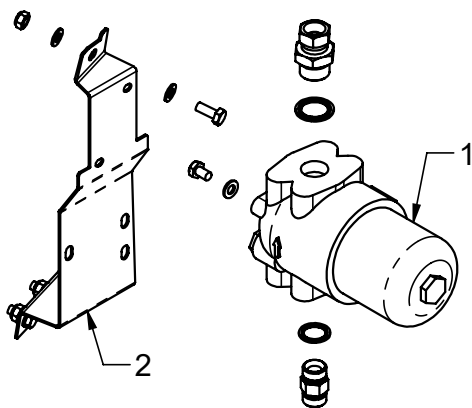
Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
	Tractor lifting bracket kit *	SC6215	1	* only required for use with tractors (Refs. 8 & 10)		
	Cab supply cable complete	SC3598	1			
1	Lifting bracket weldment	SC6216	1			
2	M20 x 145 U-bolt	SC6004	8	M20 Plain Washer A Zinc	FWA20Z	16
				M20 Nylon Insert Nut (8) Zinc	FNN20Z8	16
3	Lower linkage pin CAT 2/3	SC2205	2	11 x 45 Lynch Pin Zinc	FAS6105	2
4	Swivel M/F 1/2" - 3/4" BSP	HYD1210	1	Quick-release coupling M	HYD1901	1
				Bonded seal 1/2" BSP	HYD4204	1
5	Quick-release coupling F 3/4" BSP	HYD1940	1			
6	Upper linkage pin CAT 2/3	SC2206	1	11 x 45 Lynch Pin Zinc	FAS6105	1
7	3-pin plug (supplied unfitted)	SC3597	1	Spade terminal female	EC2104	2
8	3-pin plug	SC3597	1	Spade terminal female	EC2104	2
9	Supply cable bare	N/A	1			
10	Male connector - Neutrik	SC5838	1			

ELECTRICAL CONTROLS



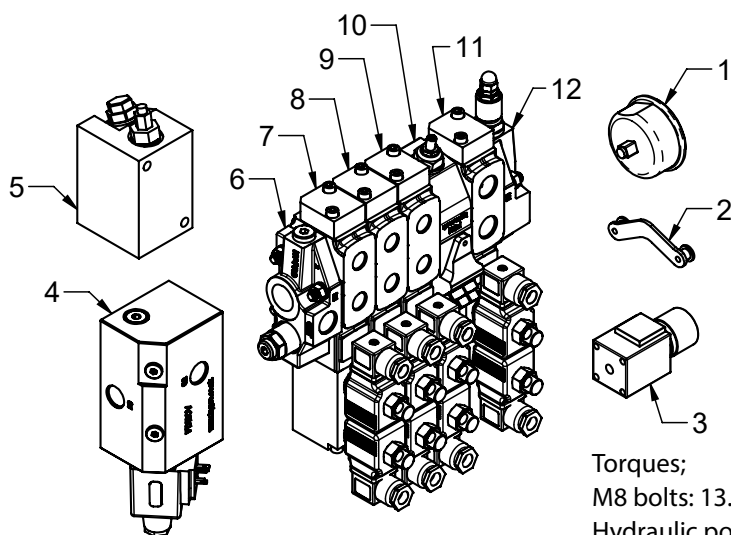
Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
	Wireless kit	EC2115	1	(All refs.)		
	Control desk kit	EC2103	1	(Refs. 5 - 10)		
	Junction box kit	EC2111	1	(Refs. 11 - 17)		
	External power cable complete	SC5826	1	(Refs. 1 - 3)		
	Junction box cable complete	SC5825	1	(Refs. 11 - 12)		
1	External power cable blank	N/A	1			
2	Blade fuse 7.5A	SC3535	1			
3	Male connector - Neutrik	SC5838	1	Spade terminal female	EC2104	2
4	Boom bracket *	SC6142	1	* May require modifications to suit Telehandler		
5	Control desk power cable	SC5813	1			
6	Suction cup	SC4228	1	4.8 x 19 Pan Screw ST Zinc	FST48019Z	2
7	Control desk mount	SC7172	1			
8	Control desk blank	N/A	1			
9	Potentiometer	SC3513	1			
10	Joystick	SC3510	2			
11	Female connector - Neutrik	SC5837	1			
12	Junction box cable blank	N/A	1			
13	Pressure switch cable	SC5848	1			
14	Solenoid cable	SC3548	10			
15	Junction box blank	N/A	1	M4 x 16 Pan Screw (A4) S/S	FPH04016SA4	4
				M4 Nylon Insert Nut (A4) S/S	FNN04SA4	4
16	Fixed PCB	EC2112	1			
17	Plug-in PCB	EC2109	1			

INLINE OIL FILTER



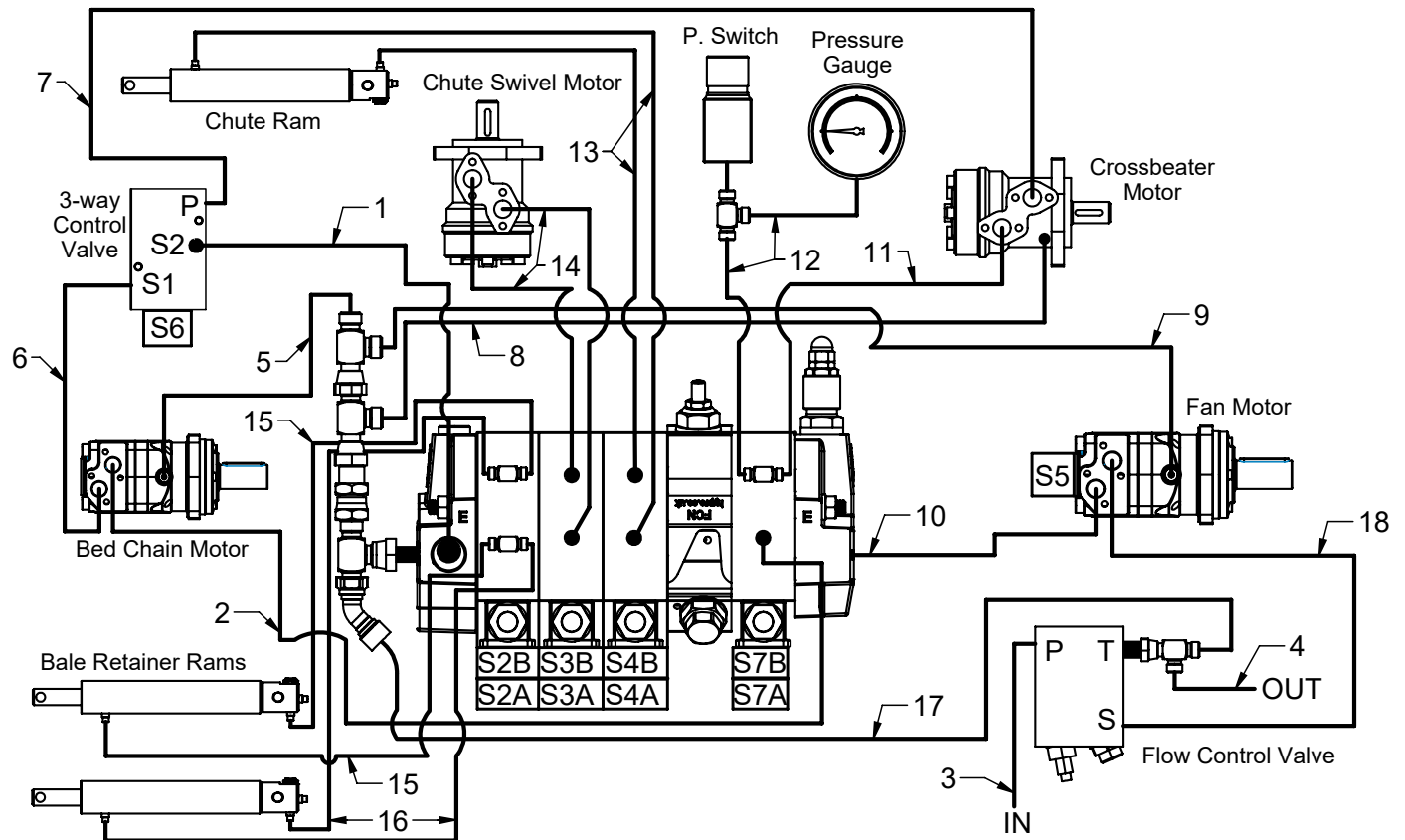
Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
	Oil filter kit	SC6565	1	(All refs.)		
1	Oil filter housing 125L/min	HYD5349	1	Filter element (replaceable)	HYD5350	1
				Seal kit	HYD5364	1
				Bonded seal 3/4" BSP	HYD4205	1
				Union M/M 3/4" BSP	HYD1015	1
				Bonded seal 1" BSP	HYD4207	1
				Union M/M 1" - 3/4" BSP	HYD1122	1
				M10 x 16 Setscrew (A4) S/S	FS10016SA4	3
				M10 Plain Washer A S/S	FWA10S	3
2	Oil filter bracket	SC6566	1	M10 x 25 Setscrew (8.8) Galv.	FS10025G88	3
				M10 Plain Washer A Galv.	FWA10G	6
				M10 Nylon Insert Nut (8) Galv.	FNN10G8	3

VALVE BLOCK



Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
	Main valve block (Refs. 6 - 12)	HYD5472	1	M8 x 16 Setscrew (8.8) Zinc	FS08016Z88	4
				M8 Plain Washer G Zinc	FWG08Z	4
				Complete valve block seal kit	HYD5473	1
1	Pressure gauge	HYD1980	1	Union M/F 1/4" BSP	HYD1981	1
2	Pressure gauge mount	HYD1982	1			
3	Pressure switch	HYD5415	1	M5 x 70 Socket Screw (A4) S/S	FSH05070SA4	4
				M5 Nylon Insert Nut (A4) S/S	FNN05SA4	4
4	3-way flow control valve	HYD5414	1	M8 x 16 Setscrew (8.8) Zinc	FS08016Z88	2
				M8 Plain Washer G Zinc	FWG08Z	2
				Seal kit	HYD5418	1
5	Flow control valve	HYD5470	1	M8 x 90 Socket Screw (12.9) Zinc	FSH08090Z129	2
				M8 Plain Washer A Zinc	FWA08Z	2
				M8 Nylon Insert Nut (8) Zinc	FNN08Z8	2
6	Outlet slice (2 ports)	HYD5476	1	(Only available as part of complete seal kit)		
7	Loading gate ram slice	HYD5192	1	Seal kit	HYD5316	1
8	Chute deflector slice	HYD5192	1	Seal kit	HYD5316	1
9	Chute rotation slice	HYD5192	1	Seal kit	HYD5316	1
10	Flow control slice (5L/min)	HYD5424	1	Seal kit	HYD5425	1
11	Crossbeater / bed slice	HYD5422	1	Seal kit	HYD5316	1
12	Inlet slice (175 bar)	HYD5475	1	(Only available as part of complete seal kit)		

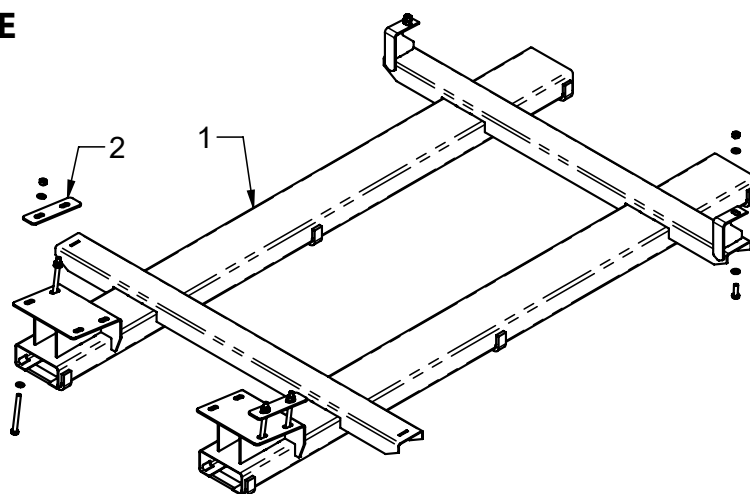
HYDRAULIC CIRCUIT & HOSES



Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
1	3-way unit return hose	HYD2204	1	Union M/M 1/2" BSP Bonded seal 1/2" BSP	HYD1013 HYD4204	2 2
2	Bed chain motor outlet hose	HYD2257	1	Union M/M 1/2" BSP Bonded seal 1/2" BSP	HYD1013 HYD4204	2 2
3	Supply hose	HYD2352	1	Union M/M 3/4" BSP Bonded seal 3/4" BSP Coupling flat-face F 3/4" BSP	HYD1015 HYD4205 HYD1941	1 2 1
4	Outlet hose	HYD2352	1	T-piece F/M/M 3/4" BSP Union M/M 3/4" BSP Bonded seal 3/4" BSP Coupling flat-face M 3/4" BSP	HYD1954 HYD1015 HYD4205 HYD1940	1 1 2 1
5	Bed chain motor leakage hose	HYD2522	1	Union M/M 1/4" BSP Bonded seal 1/4" BSP	HYD1011 HYD4201	1 1
6	Bed chain motor inlet hose	HYD2259	1	(See ref. 2)		
7	Crossbeater motor outlet hose	HYD2258	1	(See ref. 2)		
8	Crossbeater motor leakage hose	HYD2065	1	T-piece F/M/M 1/4" BSP Reducer F/M 3/4" - 1/4" BSP Union M/M 1/4" BSP Bonded seal 1/4" BSP	HYD1931 HYD1955 HYD1011 HYD4201	1 1 1 1
9	Fan motor leakage hose	HYD2521	1	Banjo bolt 1/4" BSP T-piece F/M/M 1/4" BSP Bonded seal 1/4" BSP	CYL1234 HYD1931 HYD4201	1 1 2
10	Fan motor inlet hose	HYD2260	1	Union M/M 1/2" BSP Bonded seal 1/2" BSP Union M/M 1/2" - 3/4" BSP Bonded seal 3/4" BSP	HYD1013 HYD4204 HYD1119 HYD4205	1 1 1 1
11	Crossbeater motor inlet hose	HYD2257	1	T-piece M/F/F 1/2" BSP Union M/M 1/2" BSP Bonded seal 1/2" BSP	HYD1983 HYD1013 HYD4204	1 2 2
12	Pressure switch & gauge hose	HYD2061	2	Bonded seal 1/4" BSP Extension swivel M/F 1/4" BSP T-piece M/M/M 1/4" BSP Union M/M 1/4" - 1/2" BSP Union M/F 1/4" BSP	HYD4201 HYD1956 HYD1921 HYD1114 HYD1981	1 1 1 1 1

Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
13	Chute ram hose	HYD2514	2	Union M/M 1/4" - 1/2" BSP Bonded seal 1/2" BSP	HYD1114 HYD4204	2 2
14	Chute swivel motor hose	HYD2520	2	Restrictor 1.3mm Union M/M 3/8" - 1/2" BSP Union M/M 3/8" - 1/4" BSP Bonded seal 3/8" BSP Union M/M 1/4" - 1/2" BSP Bonded seal 1/2" BSP	HYD1755 HYD1115 HYD1113 HYD4202 HYD1114 HYD4204	2 2 2 4 2 4
15	Bale retainer ram hose RH	HYD2040	2	T-piece F/M/M 1/4" BSP Union M/M 1/4" - 1/2" BSP Bonded seal 1/2" BSP	HYD1931 HYD1114 HYD4204	1 1 1
16	Bale retainer ram hose LH	HYD2523	2	(See ref. 15)		
17	Return hose	HYD2383	1	T-piece M/M/F 3/4" BSP Elbow 45 M/F 3/4" BSP Union M/M 3/4" BSP Bonded seal 3/4" BSP	HYD1923 HYD1973 HYD1015 HYD4205	1 1 1 1
18	Fan motor outlet hose	HYD2261	1	Union M/M 1/2" - 3/4" BSP Bonded seal 3/4" BSP	HYD1119 HYD4205	2 2

TRANSPORT FRAME



Ref.	Description	Part no.	Qty.	Associated components	Part no.	Qty.
	Transport frame kit	SC6560	1	(All refs.)		
1	Transport frame	SC6559	1	M12 x 40 Setscrew (8.8) Galv. M12 Plain Washer A Galv. M12 Nylon Insert Nut (8) Galv.	FS12040G88 FWA12G FNN12G8	2 4 2
2	Rear foot pad	SC6561	2	M12 x 120 Bolt (8.8) Galv. M12 Plain Washer A Galv. M12 Nylon Insert Nut (8) Galv.	FB12120G88 FWA12G FNN12G8	4 8 4

