



GROWING WITH YOU

LD S

2023 Trailed Range (LDST)

Machine Manual & Parts Book

@Copyright 2023



Sumo UK LTD, Redgates,
Melbourne, York YO42 4RG

info@sumo1.com
01759 319 900

USE YOUR CAMERA PHONE TO SCAN
THIS CODE AND DOWNLOAD A DIGITAL
VERSION OF THIS DOCUMENT, IN CASE
YOU NEED IT ON THE GO.

Introduction

Before reading this Machine Manual & Parts Book, please read the Cultivators Operator Manual in Full. This manual contains information specific to the machine/range but does not include all the general safety guidelines and practices necessary to understand and correctly use the machine. It is required that both manuals be read and understood before using any Sumo machine. For more information contact your local dealership/Sumo directly.

Please note, specifications, descriptions and illustrations in this manual are accurate, as known, at the time of publication but may be subject to change. If you notice any discrepancy and are in need of clarification, please contact us on the details given previously.

Contents

1.	Machine Range Summary	5
2.	Product Specifications	6
3.	Transport Positions & Dimensions	7
4.	Danger Zone	10
5.	Risk Assessments.....	11
6.	Parts Book Index.....	13
6.1	LDS5T & LDS6T Base Machine	13
6.2	Standard Assemblies	15
6.2.1	Standard Scharmüller Hitch Assembly	15
6.2.2	Drawbar System	16
6.2.3	Shim Holder Assemblies.....	17
6.2.4	Hydraulic Hose Holder Assembly.....	18
6.2.5	Accumulators & Valve Block (Auto Reset Only)	19
6.2.6	Front Disc Assemblies.....	22
6.2.7	Auto-Reset Leg	25
6.2.8	Low Disturbance Legs & Points	27
6.2.9	Front Disc Bars & Adjustment Handles	28
6.2.10	Packers Options.....	30
6.2.11	Packer Frames.....	34
6.2.12	Packer Mounting Arrangement	37
6.2.13	Packer Bearings Assembly	38
6.2.14	Scraper Assemblies	39
6.2.15	Lights Bracket Assembly.....	51
6.2.16	Depth Wheels Arrangement – LDS6T Only	52
6.2.17	Stands	53
6.2.18	Dog Bone Arrangement.....	54
6.2.19	Tyres & Axle Assemblies.....	55
6.3	Optional Extras/Attachments	58
6.3.1	Air Brake Kits	58
6.3.2	Rear Drawbar	59

6.3.3	Hazard Boards	60
6.3.4	Seeder Fitting Kit.....	62
6.3.5	Trailed SDO Units	67
6.3.6	Homologation	73
7.	Hydraulic Function Diagrams.....	75
7.1	LDS5T - Hydraulic Function Schematic	76
7.2	LDS6T - Hydraulic Function Schematic	77
7.3	Wing System (LDS5T & LDS6T) - Circuit Hydraulic Schematic	78
7.4	Drawbar Hydraulic System (LDS5T & LDS6T) With Optional Rear Drawbar - Circuit Hydraulic Schematic	79
8.	Electrical Schematics.....	80
9.	Standard Torque Values.....	81

1. Machine Range Summary

The Sumo Low Disturbance Subsoiler (LDS) has been developed to alleviate compaction in the subsurface region of most soil types. The design of the LDS enables this lift and fracture to be carried out whilst creating minimal surface disturbance. When used in conjunction with the Sumo seeder fitting kit the LDS becomes an effective tool for the establishment of OSR and other small seed crops.

Firstly

A leading row of straight serrated discs cut through any surface trash eliminating any build up around the following subsoiler legs. The discs have adjustable depth positions which are easily altered via a one-bolt system.

Secondly

The subsoiler legs then lift and fracture the soil alleviating any compaction. The legs are manufactured from 20mm Hardox 500 and have a pin adjustable depth of between 4"- 14" deep. The legs are available with either shear pin or hydraulic auto reset protection.

Finally

There are 3 choices of packer for the LDS:

- F Type: Flat shark fin packer ensures important surface aeration across the full working width of the machine.
- M Type: Sumo patented multipacka.
- R Type: Like the patented Sumo multipacka again designed to consolidate the soil behind the subsoiler leg.

2. Product Specifications

For standard machine dimensions and weight, see Cultivator Operators Manual. Note: Weights is described as the maximum laden mass but will increase with optional extras and attachments.

LDS Trailed Range

Spec	LDS 5m	LDS 6m
Code	LDS5T	LDS6T
Legs Qty	10	12
Leg Spacing	500mm	500mm
Disc Qty	10	12
Disc Diameter	500mm	500mm
Disc Adjustment	Manual	Manual
Machine Type	Folding	Folding
Tyre Size	600/50-22.5	600/50-22.5
Tyre Pressure	35 psi	35 psi
Wheel Nut Toque	450 Nm	450 Nm
Max Axle Load	11,500 kg	11,500 kg

Available Options

Code	Option Code	Description	Specifications
LDS5T	LDS5T.FP	Flat Packer	Rows: 18 – Spacing 250mm
	LDS5T.DP	Diamond Packer	Rings: 20 – Spacing 220mm
	LDS5T.RP	Round Packer	Rings: 20 – Spacing: 140 to 360mm
	LDS5T.RD	Rear Drawbar	Hydraulic
	LDS5T.SFK	Seeder Fitting Kit	Turbojet i-CON 8 – 10 Outlets
	LDS5T.SDO	SDO	Turbojet i-CON 8 – 10 Outlets
	LDS5T.HOMO	Homologation	Combines HB & ABK Options
	LDS5T.ABK	Air Brake Kit	**
	LDS5T.HB	Hazard Boards	Front & Back **
LDS6T	LDS6T.MP	Multipacker 250	Rings: 24 – Spacing 250mm
	LDS6T.DP	Diamond Packer	Rings: 24 – Spacing 220mm
	LDS6T.RP	Round Packer	Rings: 24 – Spacing: 140 to 360mm
	LDS6T.RD	Rear Drawbar	Hydraulic
	LDS6T.SFK	Seeder Fitting Kit	Turbojet i-CON 8 – 12 Outlets
	LDS6T.SDO	SDO	Turbojet i-CON 8 – 12 Outlets
	LDS6T.HOMO	Homologation	Combines HB & ABK Options
	LDS6T.ABK	Air Brake Kit	**
	LDS6T.HB	Hazard Boards	Front & Back **

** Available as separate options but included as standard in Homologation Kit.

Other options may be available – See Sumo website / Contact your local dealer.

3. Transport Positions & Dimensions

The following transport positions must be followed before taking the specified Sumo machine on any public road. Failure to do so may mean the machine is no longer considered road legal. It is the sole responsibility of the owner/operator to ensure the machine is correctly positioned prior to transport and complies with all local laws and regulations.

For all Sumo guidelines and safety protocols, read the related Sumo Cultivator Operators Manual thoroughly.

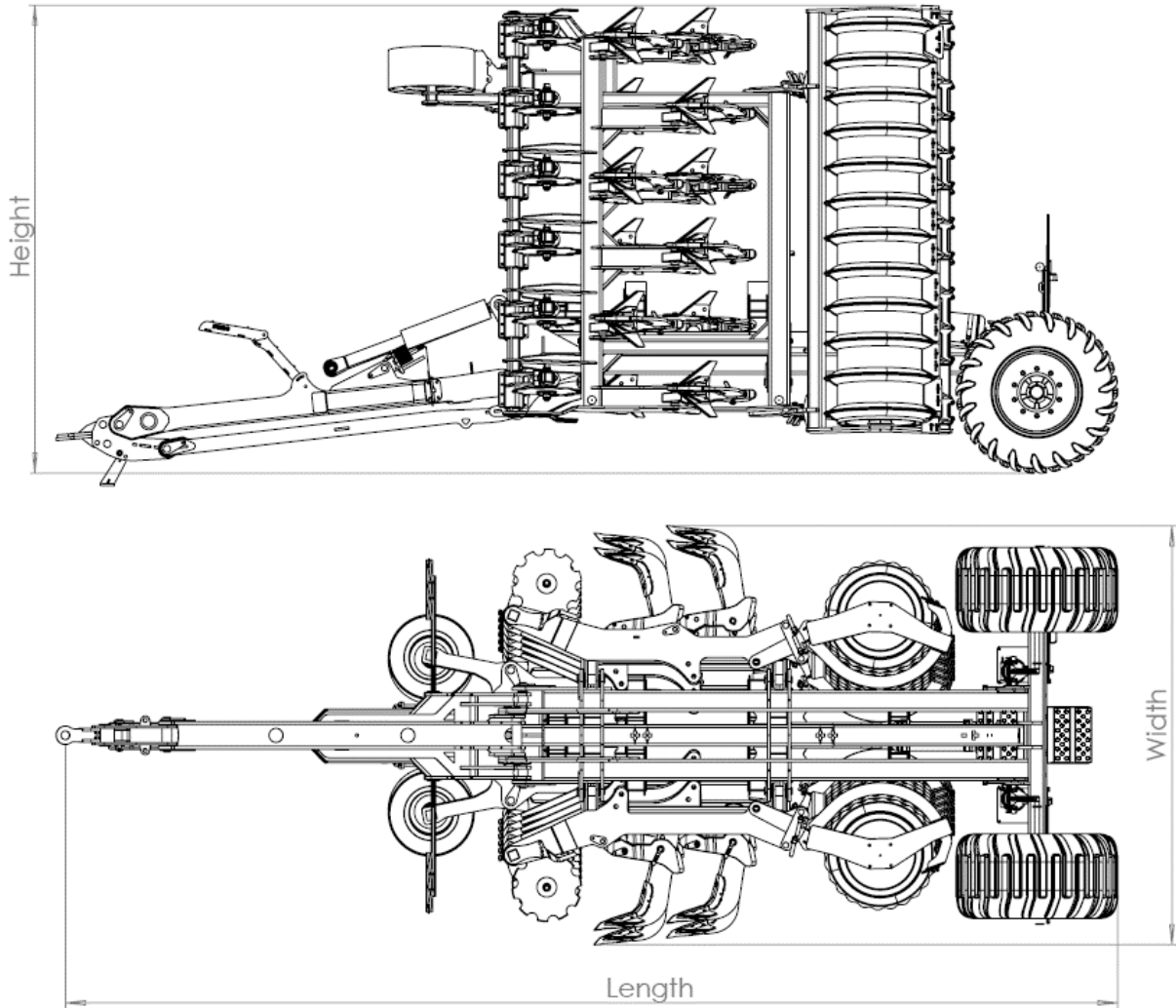
Trailed LDS

To achieve the dimensions given in the Cultivator Operators Manual, all trailed LDS machines must be positioned as follows:

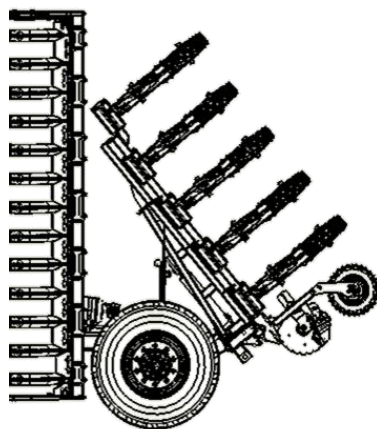
- Adjustable drawbar must be horizontal to main body.
- Packer must be in shallowest position with paddles folded back.
- Wings must be fully folded.
- Any locking mechanisms must be locked in position i.e. wing locks or dog bones.
- Hydraulics must be locked off to ensure no accidental unfolding.

For visual indication, see preceding pictures for details.

Trailed LDS - Transport Visuals



Trailed LDS With Trailed SDO Unit - Transport Visuals





GROWING WITH YOU

Transport Dimensions (Approximate)

Note: Due to the fabricated and assembled construction of Sumo machines dimensions may vary and should only be used for reference.

Shown dimensions are of maximum extremities (Excluding assembly/fabrication tolerances) but can be reduced/increased by adjusting implement positions, chassis/axle height/angle, and reversing pins with handles. It is solely the owner/operator's responsibility to ensure they transport the machine within local legislation & laws.

Machines (Excluding Options)

Code	Length	Width	Height
LDS5T	8075	2970	2900
LDS6T	8075	2970	3300

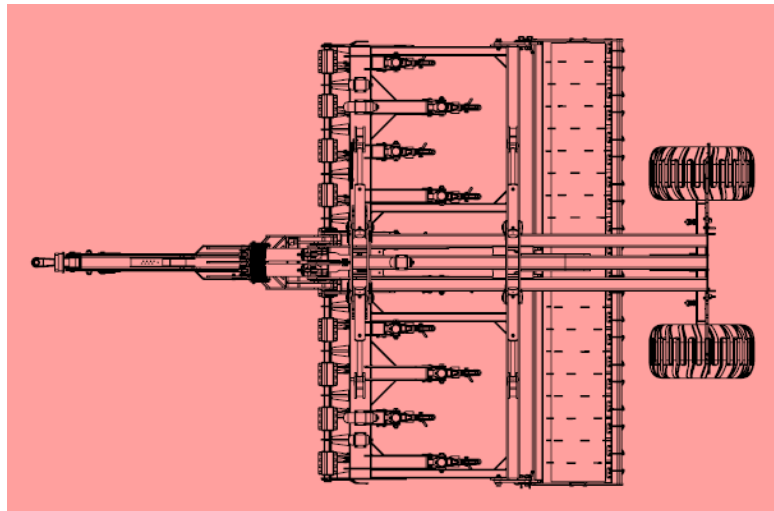
Machines (Including Options)

Code	Length	Width	Height
LDS5T.FP	-	-	-
LDS5T.DP	-	-	-
LDS5T.RP	-	-	-
LDS5T.RD	8420	-	-
LDS5T.SFK	-	-	-
LDS5T.SDO	9600	-	-
LDS5T.HOMO	-	-	-
LDS5T.ABK	-	-	-
LDS5T.HB	-	-	-
LDS6T.MP	-	-	-
LDS6T.DP	-	-	-
LDS6T.RP	-	-	-
LDS6T.RD	8420	-	-
LDS6T.SFK	-	-	-
LDS6T.SDO	9600	-	-
LDS6T.HOMO	-	-	-
LDS6T.ABK	-	-	-
LDS6T.HB	-	-	-

4. Danger Zone

The area marked red indicates the Danger Zone of the machine. This refers to both folded & unfolded states.

Trailed LDS



The danger zone around the machine poses the following endangerments:

- Accidental operation of the hydraulic system can trigger dangerous movements of the machine.
- Defective or not correctly fastened electric lines can cause electric shocks.
- With the drive still running, machine parts may rotate or swing out.
- Hydraulically raised machine parts can lower slowly and unnoticed.

Failing to pay attention to the danger zone can result in severe or even fatal physical injuries.

- Do not stand under lifted loads. Lower such loads to the ground first.
- Instruct persons to leave the danger zone around the machine and tractor.
- Before working in the danger zone of the machine or between machine and tractor: Shut down the tractor! This also applies for short-term inspection work. Many accidents happen because of carelessness and running machines!
- Follow all safety guidelines and procedures as outlined within the Cultivator Operators Manual.

5. Risk Assessments

Model: Trailed Mixidiscs

Notes: Ensure the Cultivator Operators Manual, & Machine Manual are read and fully understood.

Purpose of machine: Primarily designed to alleviate compaction and improve soil structure with minimal surface disturbance.

Description of machine: A single-point-hitch trailed hydraulically folding farm implement consisting of 3 major elements.

1. A row of rubber suspended, straight, notched discs.
2. A bank of staggered low disturbance subsoiler legs.
3. A toothed roller.

All the above is arranged in a hydraulically folding heavy-duty fabricated steel framework. The machine is designed to couple to a suitably powered tractor.

Hazard Identified in Using Machine	Who Might Be Harmed	Risk Evaluation /Level (1-5)	Precautions In Place	Further Action Required
Machine collision while in transport.	Operator, Members of The Public	2 Low - Mid	Tail lights, Side Lights & Indicator, reflectors.	Take care when using in both field and road situations. Maintain good visibility at all times.
Trapped fingers during leg depth position change.	Operator	1 Low	Warning Stickers	Observe warning signs, maintain safe distance from moving parts, wear gloves. Ensure both of the stands are down. Clear excess soil (weight) from points before attempting to adjust legs.

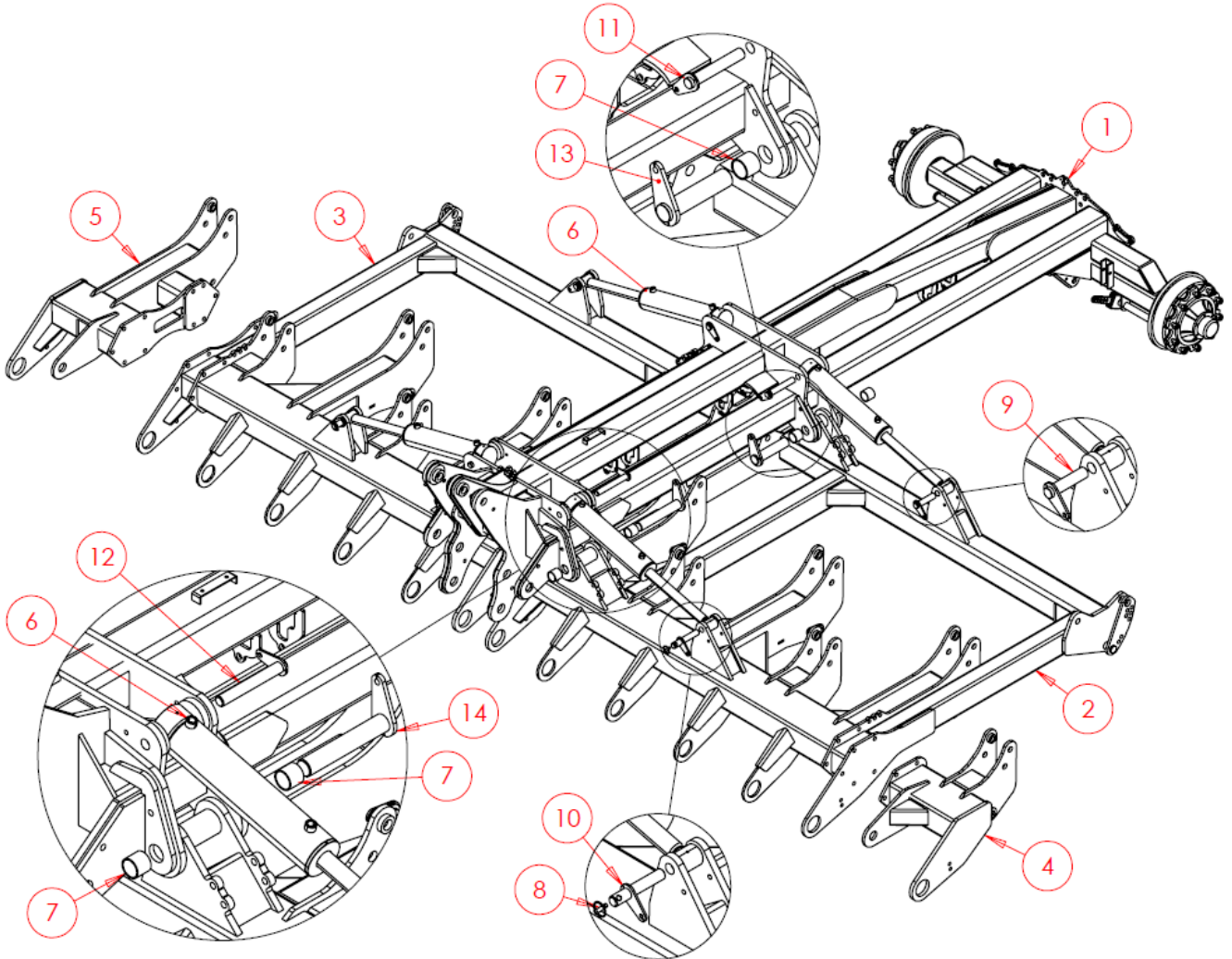
5 Risk Assessments - Continued

Hazard Identified in Using Machine	Who Might Be Harmed	Risk Evaluation /Level (1-5)	Precautions In Place	Further Action Required
<p>Risk of crushing:</p> <ul style="list-style-type: none"> - When coupling a tractor to the Sumo implements. - When changing points. - Rotating parts - When folding/unfolding - Machine tipping over 	Operator	4 Mid - High	Warnings, Maintenance Stands	Take extreme care when working on legs, changing depth, replacing points etc, make sure stands are down and the machine is on a suitable firm piece of land. Ensure tractor hydraulics are in good working order. Ensure tractor is safely positioned and the parking brake is engaged when coupling up to the Sumo implements. Stay clear of any folding/unfolding elements. Lower wings slow and evenly to ensure the machine does not tip over. Be mindful of environmental factors.
Falling from machine	Operator	2 Low - Mid	Most alterations and maintenance do not require the operator the climb on the machine. If a seeder is fitted, then steps and a handrail will also be fitted to allow access.	Lower the machine to the floor to allow access for greasing discs, checking bearings etc...
Pressurised oil/ Burst hoses	Operator	4 Mid - High	Warnings	Always wear appropriate PPE. Do not remove hoses whilst pressurised, do not feel for leaks. If contact is made, wash affected area immediately. Do not inhale or consume.
Risk of crush during machine roll back	Operator, Members of The Public	4 Mid - High	Warnings, Parking stands and Features.	Always park correctly on a solid stable land and firmly apply brakes, stands and any other parking features. If the machine still seems unstable use wooden chocks etc.

6. Parts Book Index

For older machines, see manuals & parts book available on the Sumo website.

6.1 LDS5T & LDS6T Base Machine



* Wing Extensions are for LDS6T Only.

Item No.	Part Number	Description	Qty
1	SW2953	Chassis	1
2	SWA2943	Wing LH	1
3	SWA2944	Wing RH	1
4	SWA2950	Wing Extension LH (LDS6T Only) *	1*
5	SWA2951	Wing Extension RH (LDS6T Only) *	1*
6	SWH132	Hydraulic Cylinder	4
7	SWB142	Oilite Bush	8
8	SWB105	Lynch Pin	2



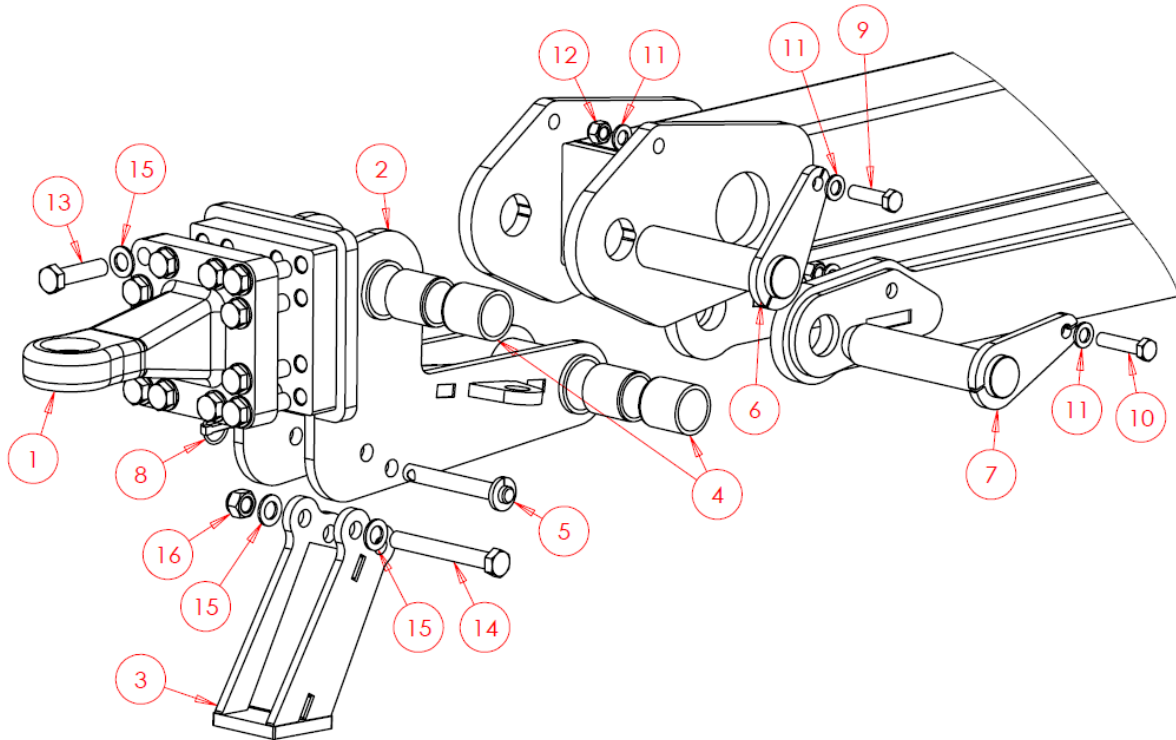
GROWING WITH YOU

9	SWP30X120	Pin	2
10	SWP30X120DB	Pin - Dog Bone	2
11	SWP30X180	Pin	2
12	SWP30X220	Pin	2
13	SWP50X210	Pin	2
14	SWP50290	Pin	2

6.2 Standard Assemblies

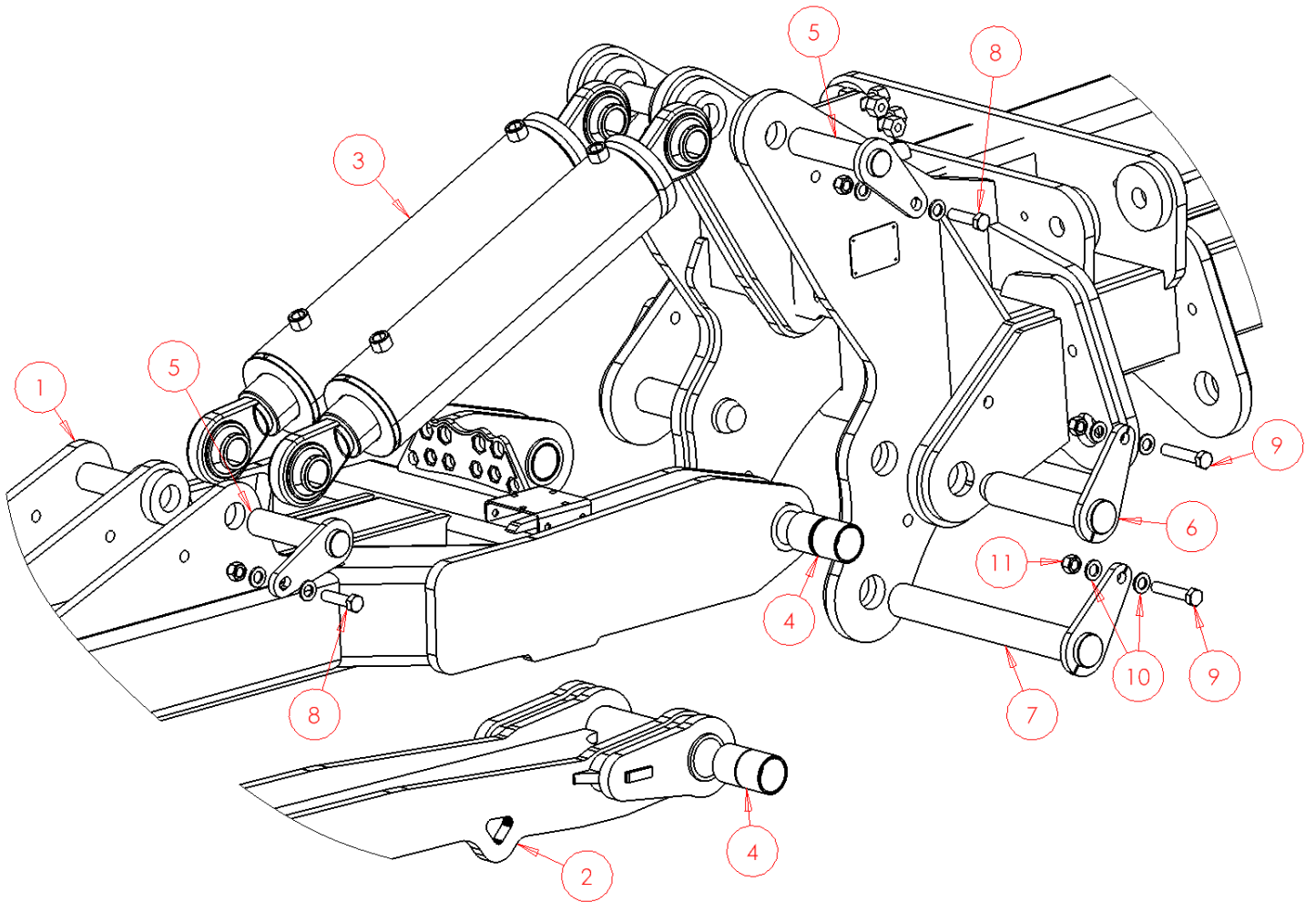
6.2.1 Standard Scharmüller Hitch Assembly

Note: Hitch type and CAT rating are variable. Standard machines include a CATIII Ring Hitch as shown. Contact your local dealership for alternative options.



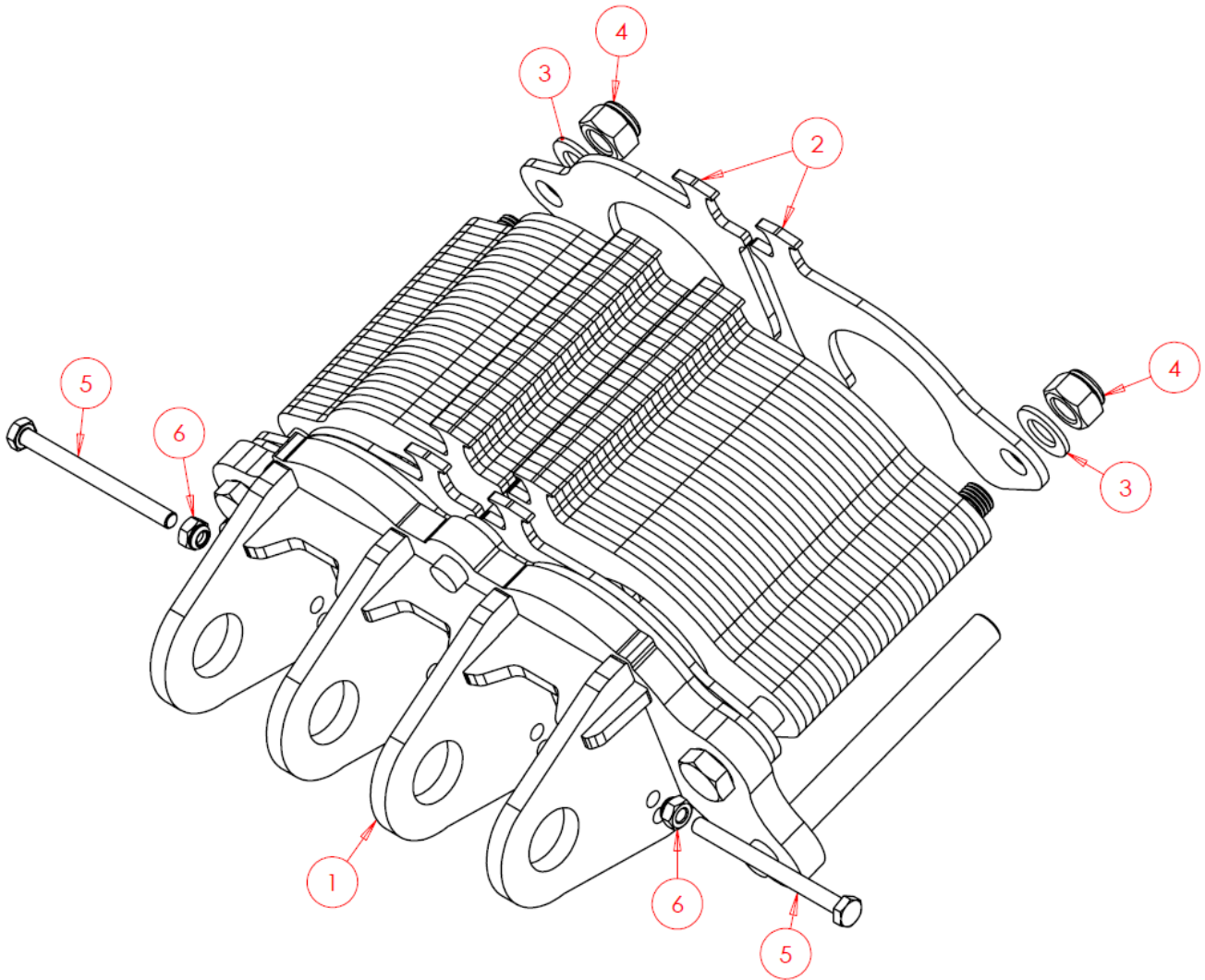
Item No.	Part Number	Description	Qty
1	SWB1267	Ring Hitch	1
2	SWA2010	Knuckle	1
3	SW136	Stand	1
4	SWB1004	Self-Lubricating Bush	4
5	SWP20X130W	Pin	1
6	SWP50X200	Pin	1
7	SWP50X225C	Pin	1
8	SWB105	Lynch Pin	1
9	SWM1660	M16x60 Bolt	1
10	SWM1670	M16x70 Bolt	1
11	SWM16001	M16 Washer - Flat	4
12	SWM16004	M16 Nut - Nylock	2
13	SWM2080	M20x80 Bolt	12
14	SWM20160	M20x160 Bolt	1
15	SWM20001	M20 Washer - Flat	14
16	SWM20004	M20 Nut - Nylock	1

6.2.2 Drawbar System



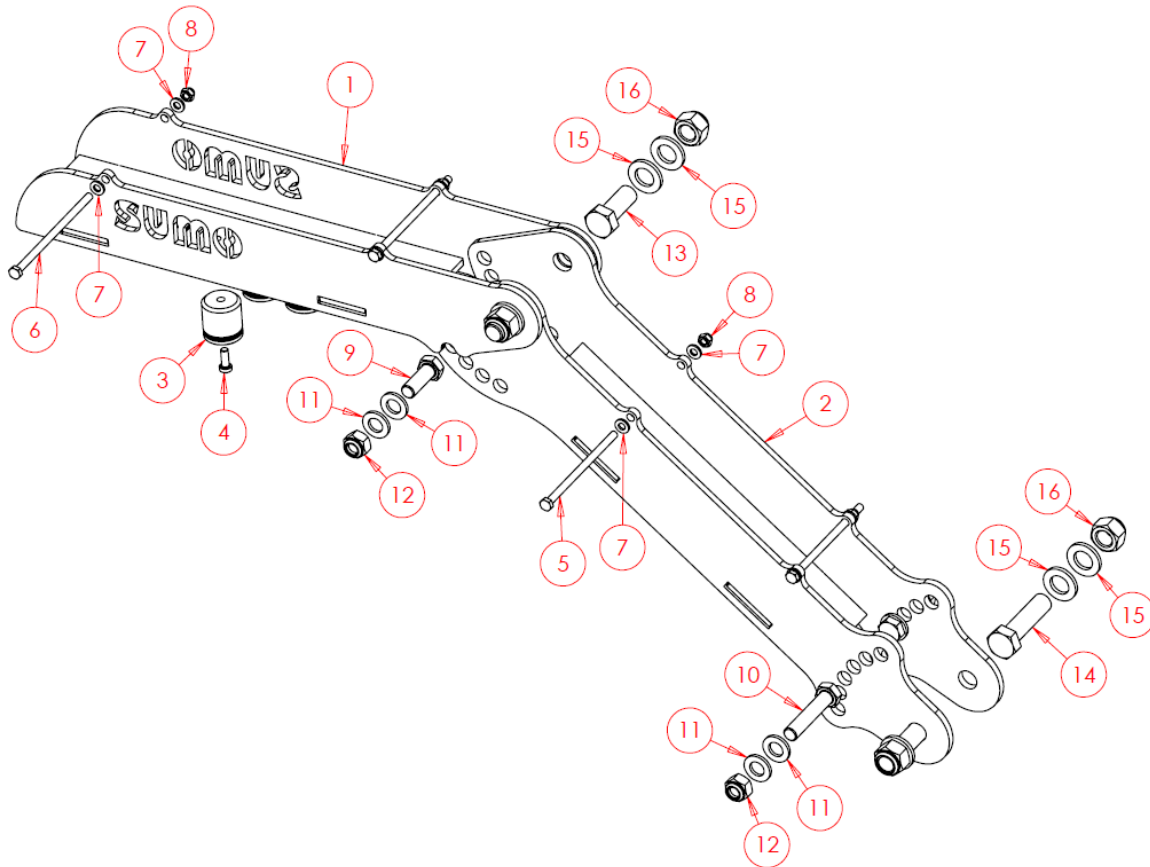
Item No.	Part Number	Description	Qty
1	SW2431	Drawbar - Upper	1
2	SW2032	Drawbar - Lower	1
3	SWH293	Hydraulic Cylinder	2
4	SWB142	Oilite Bush	8
5	SWP40X160	Pin	4
6	SWP50X220C	Pin	2
7	SWP50X390	Pin	1
8	SWM1660	M16x60 Bolt	4
9	SWM1680	M16x80 Bolt	3
10	SWM16001	M16 Washer - Flat	14
11	SWM16004	M16 Nut - Nylon	7

6.2.3 Shim Holder Assemblies



Item No.	Part Number	Description	Qty
1	SW2436	Shim Holder	1
2	SW3585	Shims	56
3	SWM20001	M20 Washer - Flat	2
4	SWM20004	M20 Nut - Nylock	2
5	SWM10120	M10x120 Bolt	2
6	SWM10004	M10 Nut - Nylock	2

6.2.4 Hydraulic Hose Holder Assembly



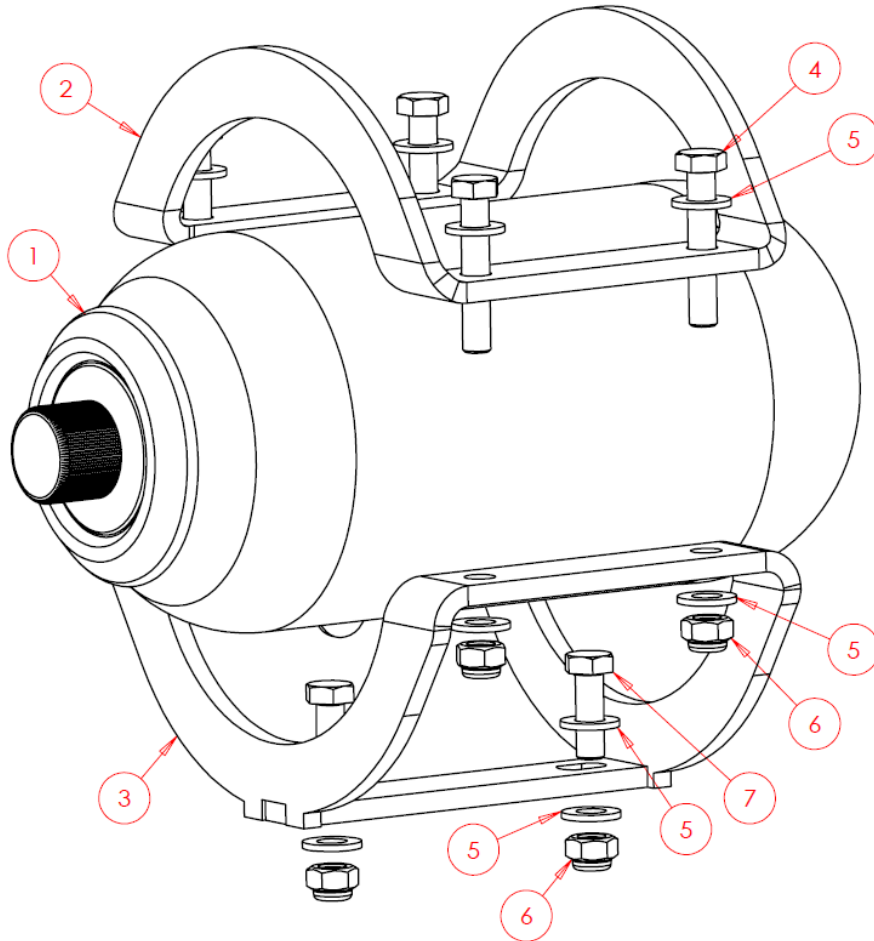
Item No.	Part Number	Description	Qty
1	SW379	Hydraulic Hose Holder - Top	1
2	SW380	Hydraulic Hose Holder - Bottom	1
3	SWH419	Hose Coupling	*
4	SWM616AKH	M6x16 Socket Head Screw	*
5	SWM6110	M6x110 Bolt	2
6	SWM6120	M6x120 Bolt	2
7	SWM6001	M6 Washer - Flat	8
8	SWM6004	M6 Nut - Nylock	4
9	SWM1235	M12x35 Screw	2
10	SWM1260	M12x60 Bolt	2
11	SWM12001	M12 Washer - Flat	8
12	SWM12004	M12 Nut - Nylock	4
13	SWM1640	M16x40 Screw	2
14	SWM1660	M16x60 Bolt	2
15	SWM16001	M16 Washer - Flat	8
16	SWM16004	M16 Nut - Nylock	4

* Quantity is dependent on machine and hydraulic services provided.

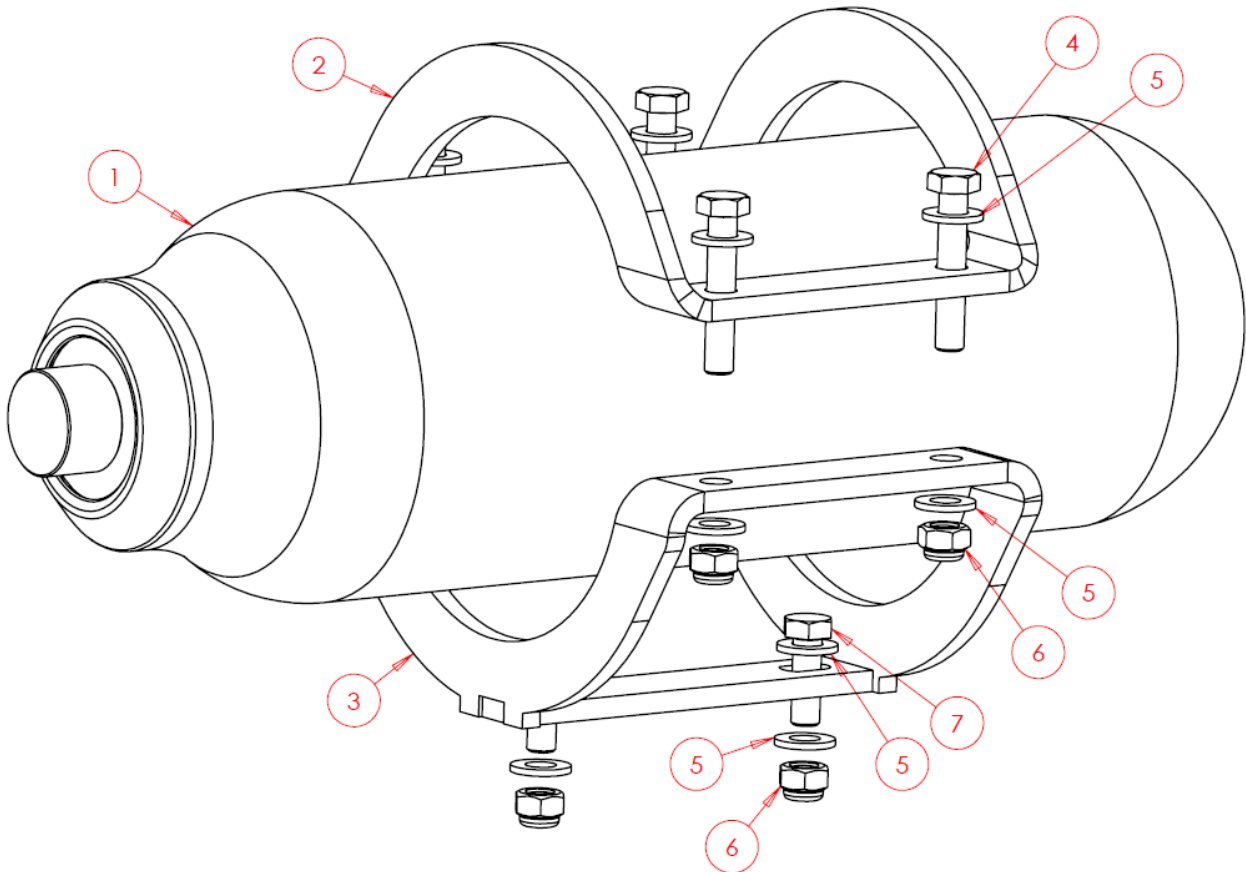
6.2.5 Accumulators & Valve Block (Auto Reset Only)

For full system details see Hydraulic Connection Diagrams.

6.2.5.1 1.4 Litre Membrane Accumulator

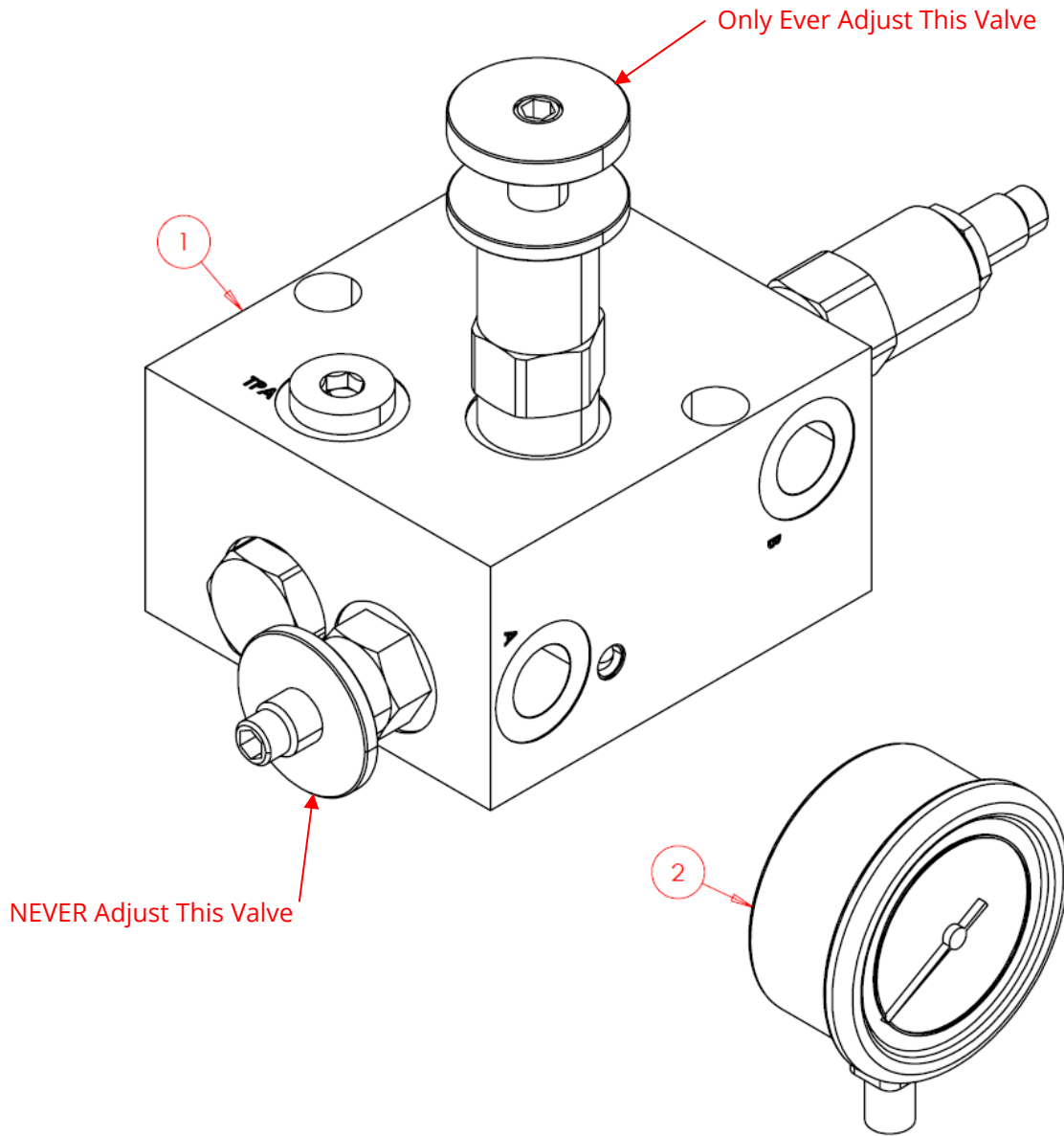


Complete Assembly - SWA2152			
Item No.	Part Number	Description	Qty
1	SWH685	1.4 Litre Membrane Accumulator	1
2	SW1510	Top Bracket	1
3	SW1511	Base Bracket	1
4	SWM845	M8x45 Bolt	4
5	SWM8001	M8 Washer - Flat	12
6	SWM8004	M8 Nut - Nylock	6
7	SWM825	M8x25 Screw	2

6.2.5.2 2.8 Litre Membrane Accumulator**Complete Assembly - SWA2153**

Item No.	Part Number	Description	Qty
1	SWH686	2.8 Litre Membrane Accumulator	1
2	SW1510	Top Bracket	1
3	SW1511	Base Bracket	1
4	SWM845	M8x45 Bolt	4
5	SWM8001	M8 Washer - Flat	12
6	SWM8004	M8 Nut - Nylock	6
7	SWM825	M8x25 Screw	2

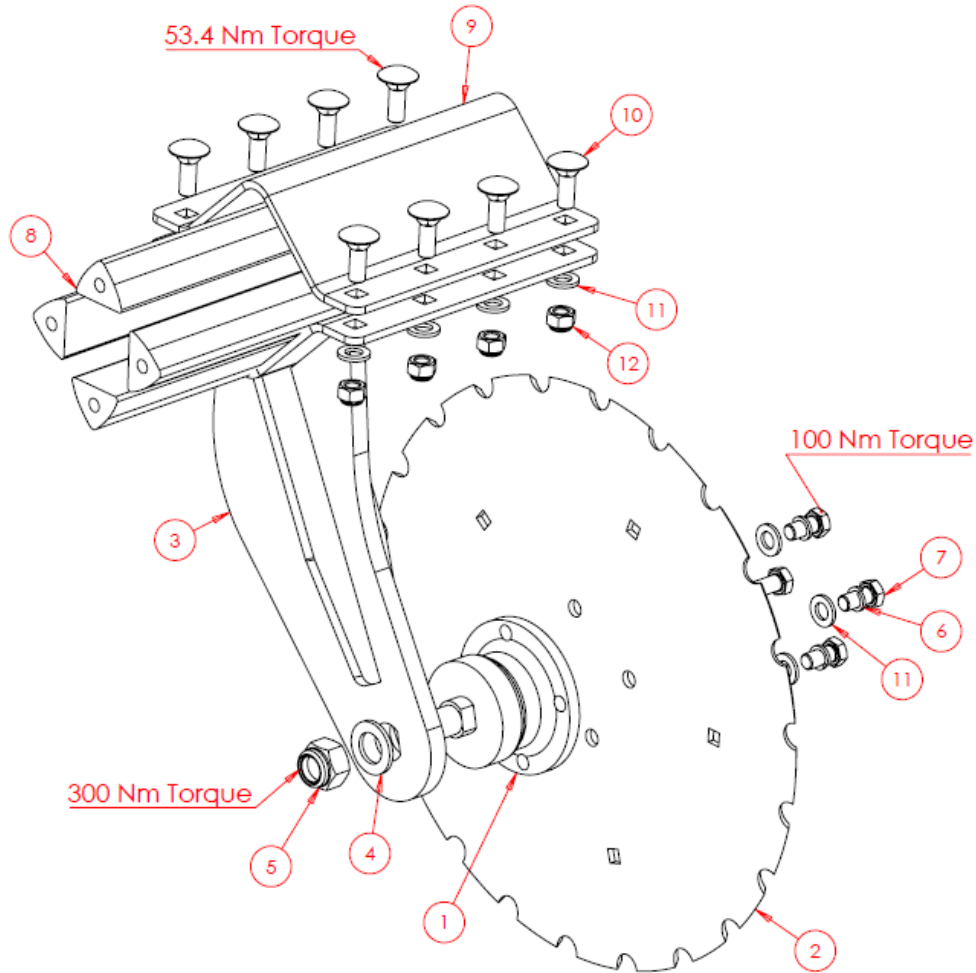
6.2.5.3 Standard Auto Reset Valve Block & Pressure Gauge



Item No.	Part Number	Description	Qty
1	SWH298	Auto Reset Valve Assembly	1
2	SWH612	Pressure Gauge	1

6.2.6 Front Disc Assemblies

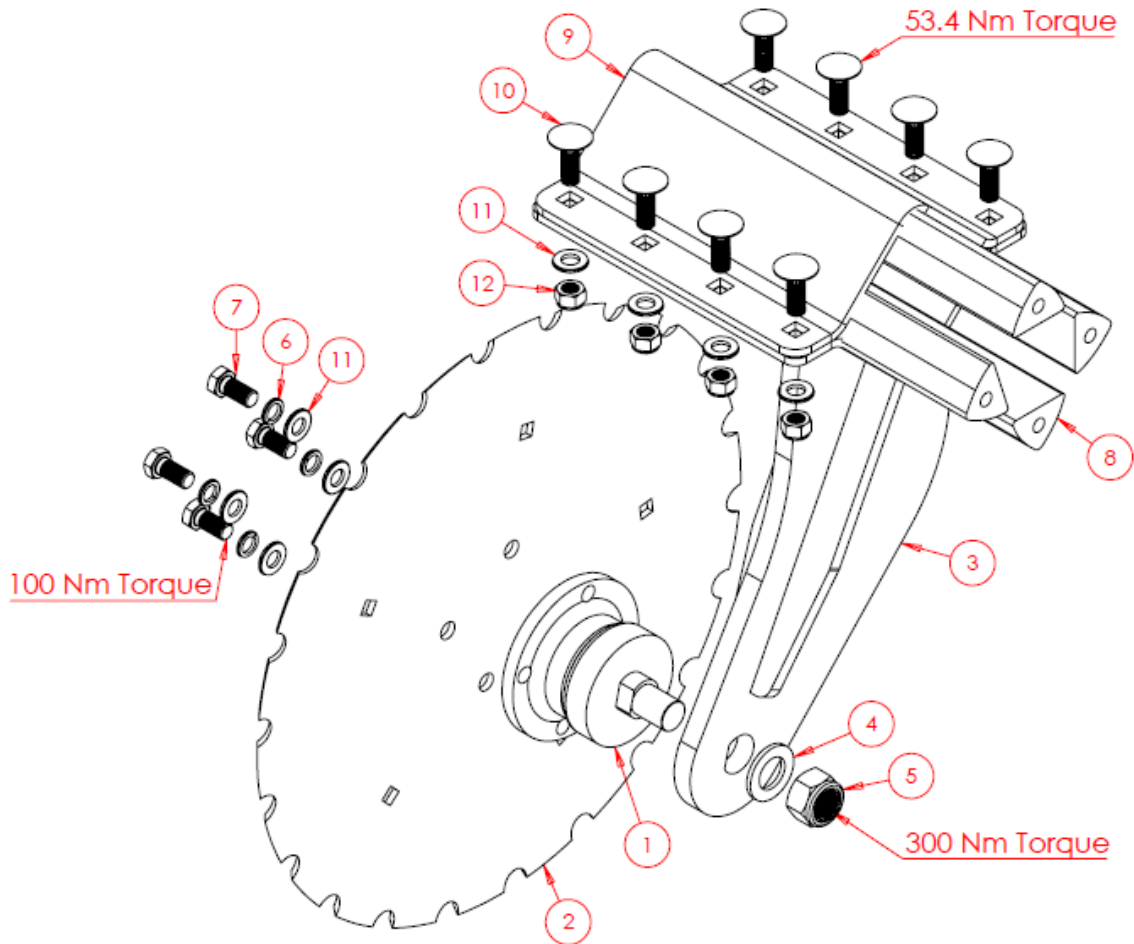
6.2.6.1 Front Disc Assembly - Right Hand



Complete Assembly - SWA2659

Item No.	Part Number	Description	Qty
1	SWB399	SKF Agri-hub Bearing	1
2	SWB442	450mm Leading Straight Disc	1
3	SW6279	Disc Arm	1
4	SWM22001	M22 Washer - Flat	1
5	SWM22004FP	M22 Nut - Fine Pitch	1
6	SWM12002	M12 Washer - Spring	4
7	SWM1225FP	M12x25 Bolt - Fine Pitch	4
8	SWB679	Rubber Cord - Triangular	4
9	SW107	Clamp Plate	1
10	SWM1235CHSQ	M12x35 Bolt - Cup Head Square Bolt	8
11	SWM12001	M12 Washer - Flat	12
12	SWM12004	M12 Nut - Nylock	8

6.2.6.2 Front Disc Assembly – Left Hand

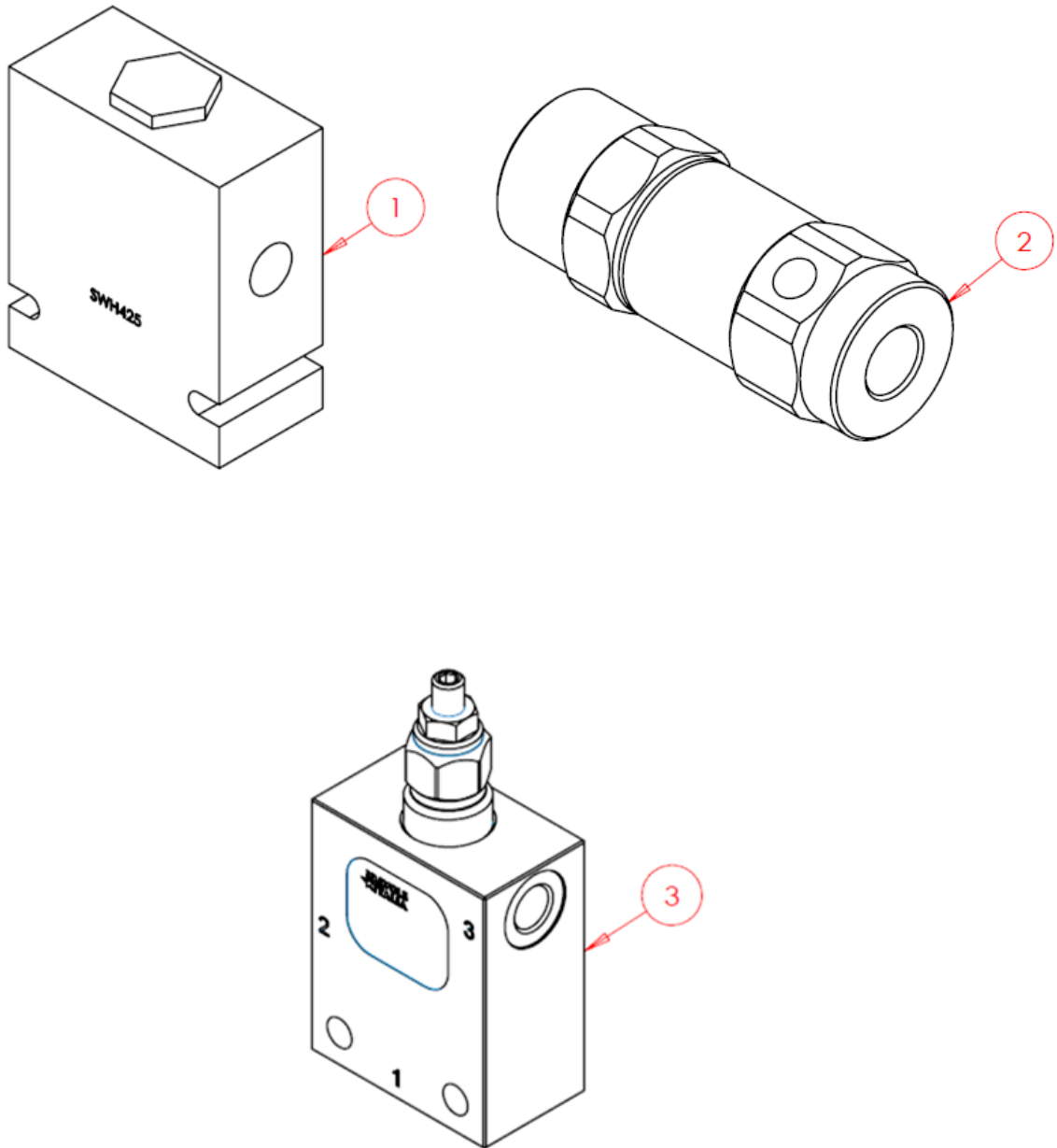


Complete Assembly – SWA2660

Item No.	Part Number	Description	Qty
1	SWB399	SKF Agri-hub Bearing	1
2	SWB442	450mm Leading Straight Disc	1
3	SW6280	Disc Arm	1
4	SWM22001	M22 Washer – Flat	1
5	SWM22004FP	M22 Nut – Fine Pitch	1
6	SWM12002	M12 Washer – Spring	4
7	SWM1225FP	M12x25 Bolt – Fine Pitch	4
8	SWB679	Rubber Cord – Triangular	4
9	SW107	Clamp Plate	1
10	SWM1235CHSQ	M12x35 Bolt – Cup Head Square Bolt	8
11	SWM12001	M12 Washer – Flat	12
12	SWM12004	M12 Nut - Nylock	8

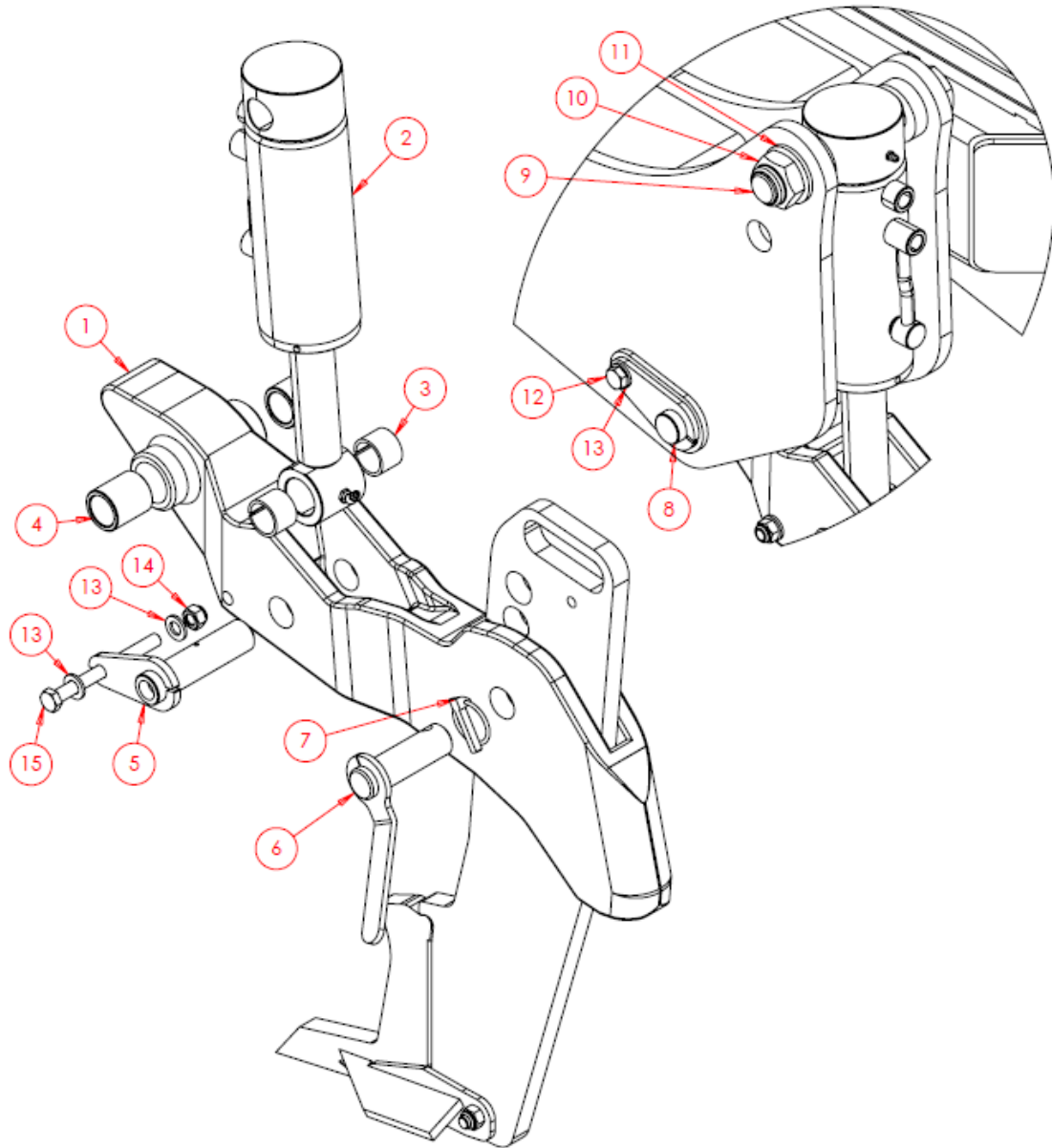
6.2.6.3 Wing Equalizer, Lock & Load Holding Valves

Quantities below are per hydraulic cylinder, not per machine.



Item No.	Part Number	Description	Qty
1	SWH425	Wing Equalizer – Flow Divider	N/A
2	SWB1308	Wing Lock – Pilot Operated Check Valve	1
3	SWH749	Load Holding Valve – Counterbalance Valve	1

6.2.7 Auto-Reset Leg



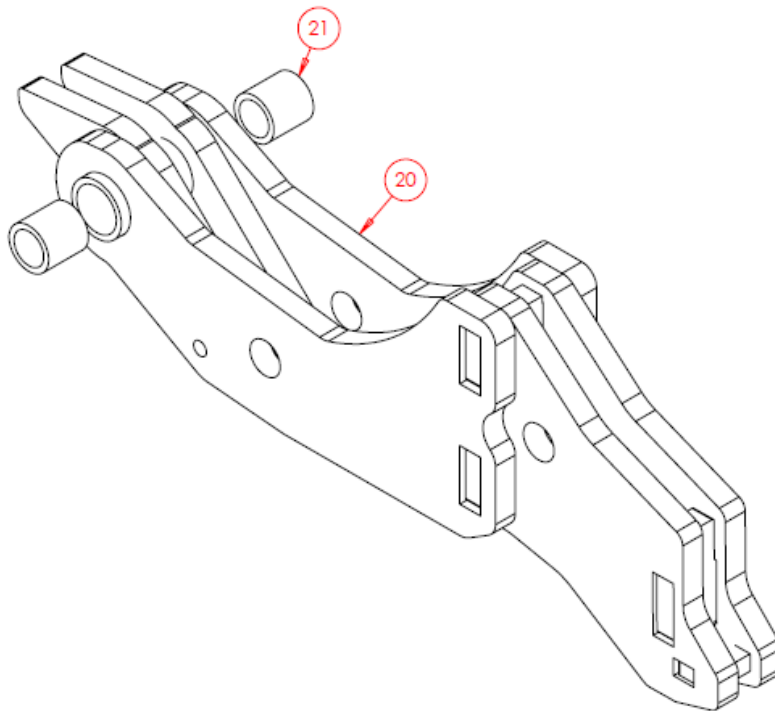
Complete Assembly – SWA2700

Item No.	Part Number	Description	Qty
1	SW1017	Auto Reset Socket inc PB1 Bushes	1
2	SWH328	Hydraulic Cylinder	1
3	SWB374	Split Tension Bush – 36x30x25	2
4	SW188	PB1 Bush – 40x30x45	2
5	SWP30x105G	Pin – Grease	1
6	SWP30x90H	Pin – Handle	1
7	SWB105	Lynch Pin	1
8	SWP30x180	Pin – Tabbed	1
9	SWM30200	M30x200 Bolt	1

6.2.77 Error! Not a valid bookmark self-reference. - **Continued**

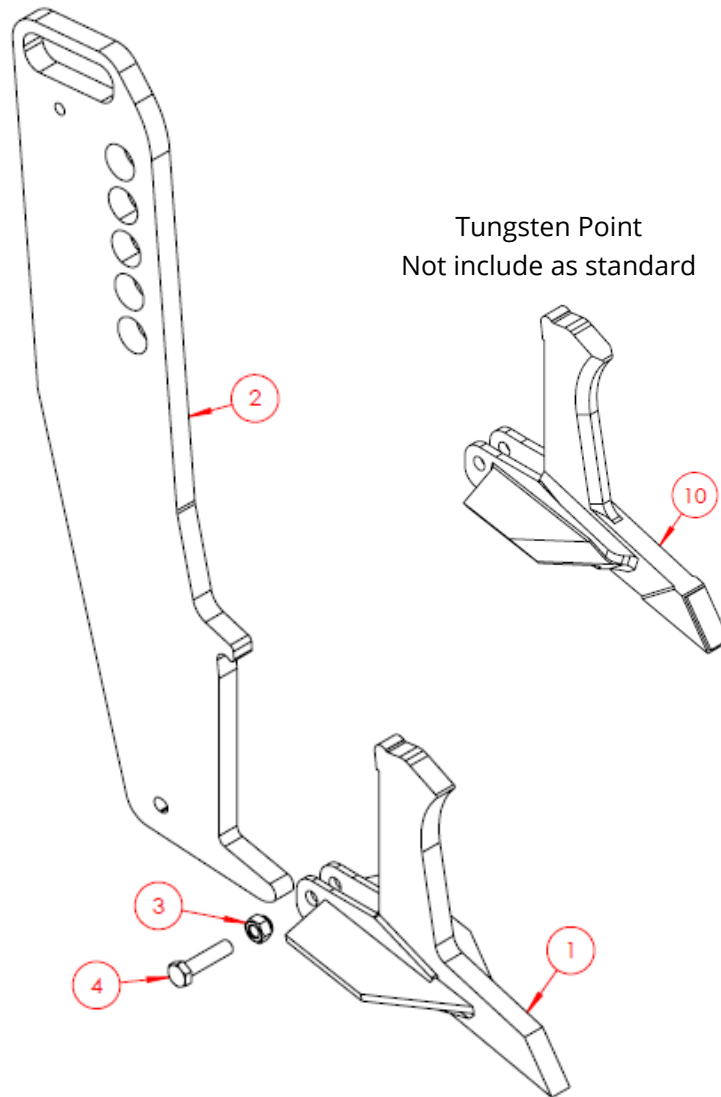
Complete Assembly – SWA2700 - Continued			
10	SWM30004	M30 Nut – Nylock	1
11	SWM30001	M30 Washer - Flat	2
12	SWM1250	M12x50 Bolt	1
13	SWM12001	M12 Washer – Flat	4
14	SWM12004	M12 Nut - Nylock	2
15	SWM12130	M12x130 Bolt	1

Alternative fabricated socket arrangement below (All other details remain the same). This version is interchangeable with the cast socket but will only be supplied in the event of the cast version being unavailable.



Item No.	Part Number	Description	Qty
20	SW6525	Auto Reset Socket (Fabricated)	1
21	SWB1235	Bush – 40x30x40	2

6.2.8 Low Disturbance Legs & Points



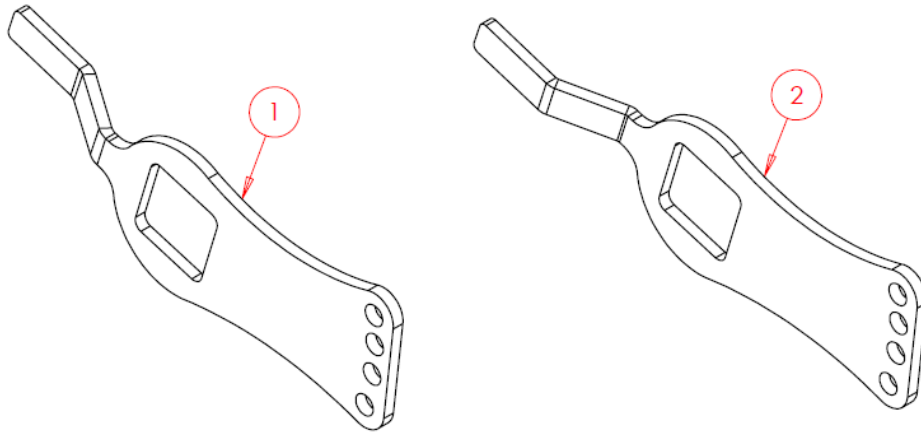
Complete Assembly - SWA2873			
Item No.	Part Number	Description	Qty
1	SW1116	Low Disturbance Point	1
2	SW1151	Leg	1
3	SWM12004	M12 Nut - Nylock	1
4	SWM1250	M12x50 Bolt	1

Alternative tungsten tip point is also available but will need specifying separate.

Item No.	Part Number	Description	Qty
10	SW1087	Low Disturbance Point c/w Tungsten Tip	1

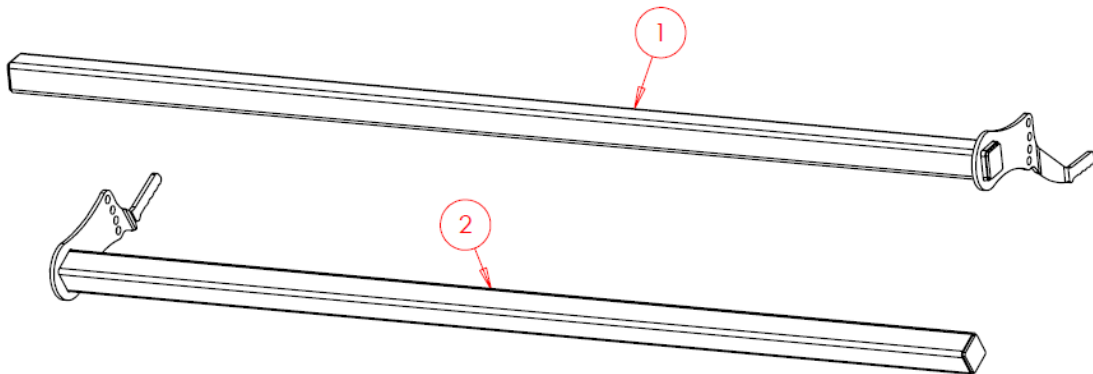
6.2.9 Front Disc Bars & Adjustment Handles

6.2.9.1 Standard Adjustment Handles - LDS5T & LDS6T



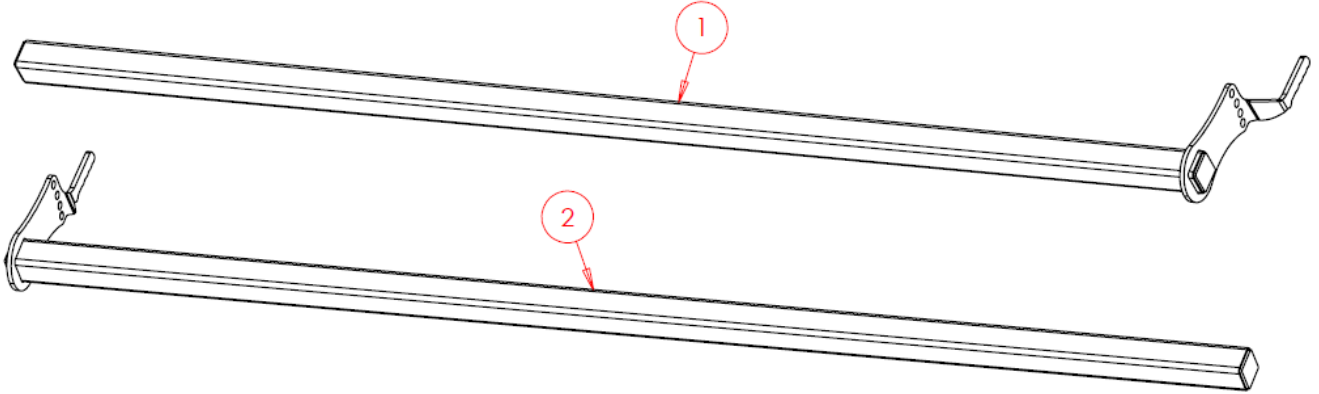
Item No.	Part Number	Description	Qty
1	SWS24579-LH	Adjustment Handle LH	1
2	SWS24579-RH	Adjustment Handle RH	1

6.2.9.2 Front Disc Bars - LDS5T Only



Item No.	Part Number	Description	Qty
1	SWA1015	Front Disc Bar LH	1
2	SWA1012	Front Disc Bar RH	1

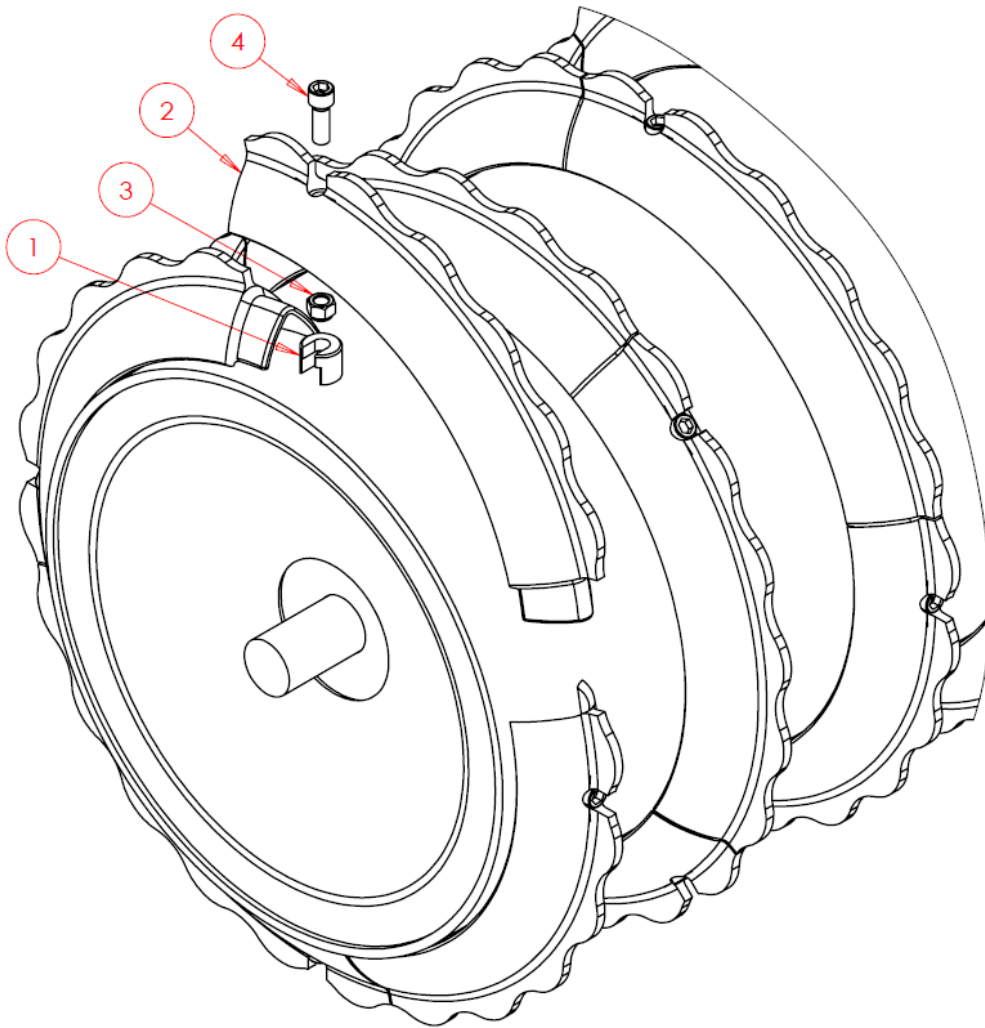
6.2.9.3 Front Disc Bars - LDS6T Only



Item No.	Part Number	Description	Qty
1	SW2433	Front Disc Bar LH	1
2	SW2432	Front Disc Bar RH	1

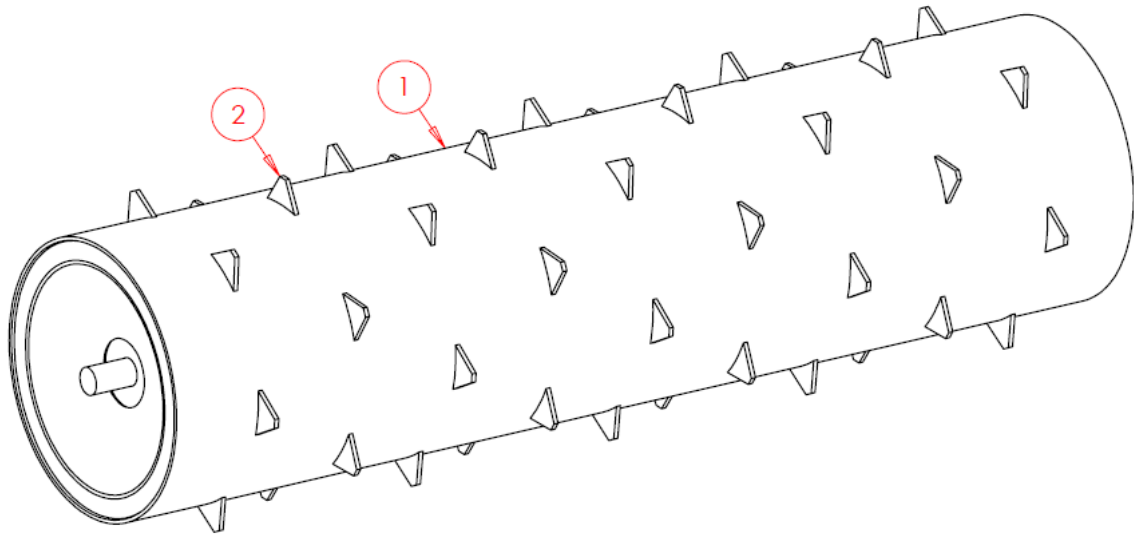
6.2.10 Packers Options

6.2.10.1 Quadrant Assembly Per Ring – All Multipackers & Round Packers



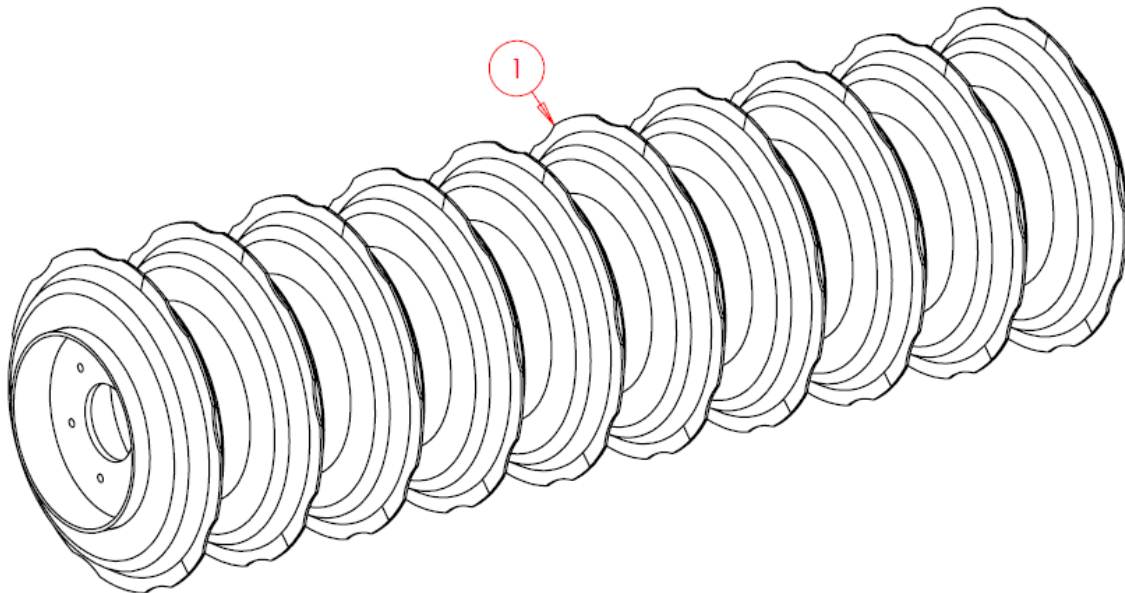
Item No.	Part Number	Description	Qty
1	SWB608	610 Weld-On Nut Retainer	4
2	SWB609	610 Quadrant – Plain	4
3	SWM16004	M16 Nut – Nylock	4
4	SWM1645CH	M16x45 Cap Head Screw	4

6.2.10.2 LDS5T - Flat Packer - 250mm Spacing



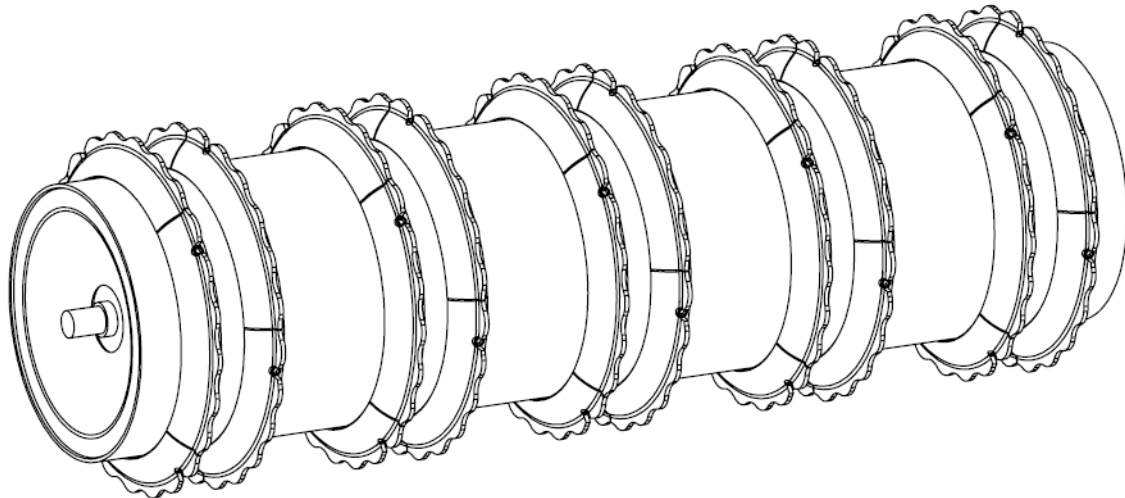
Item No.	Part Number	Description	Qty
1	SWA1000	Complete Flat Packer - Complete	2
2	SWS19628	Weld On Fin - Per Packer	78

6.2.10.3 LDS5T - Diamond Packer - 220mm Spacing



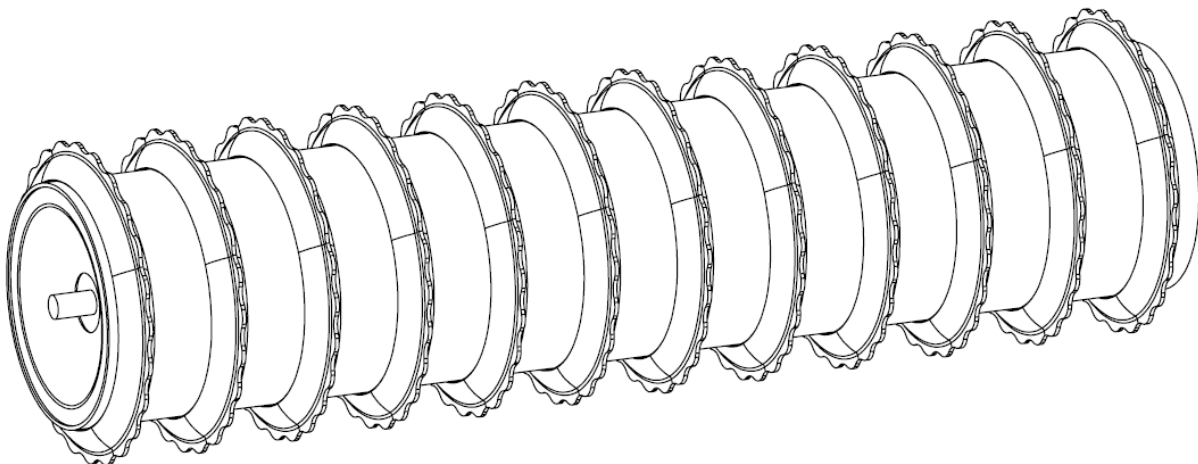
Item No.	Part Number	Description	Qty
1	SW6692	Diamond Packer	1

6.2.10.4 LDS5T – Round Packer – 140-360mm Spacing



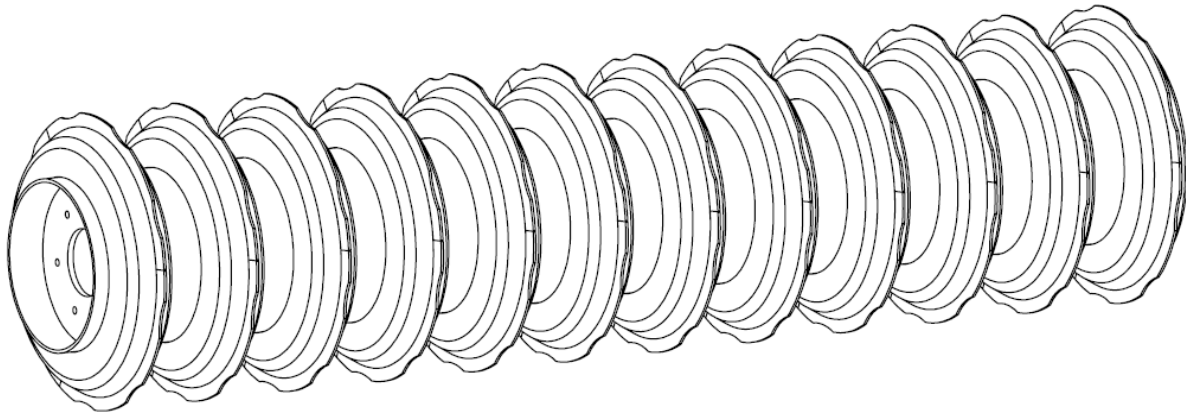
Complete Assembly – SWA2905			
Item No.	Part Number	Description	Qty
1	SWB608	610 Weld-On Nut Retainer	40
2	SWB609	610 Quadrant – Plain	40
3	SWM16004	M16 Nut – Nylock	40
4	SWM1645CH	M16x45 Cap Head Screw	40

6.2.10.5 LDS6T – Multipacker – 250mm Spacing



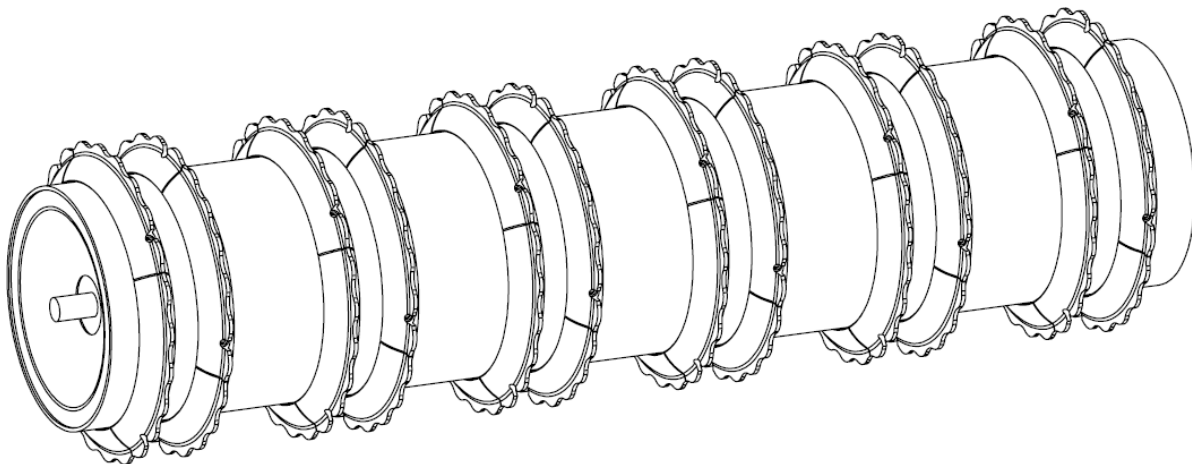
Complete Assembly – SW2440			
Item No.	Part Number	Description	Qty
1	SWB608	610 Weld-On Nut Retainer	48
2	SWB609	610 Quadrant – Plain	48
3	SWM16004	M16 Nut – Nylock	48
4	SWM1645CH	M16x45 Cap Head Screw	48

6.2.10.6 LDS6T – Diamond Packer – 220mm Spacing



Item No.	Part Number	Description	Qty
1	SWA579	Diamond Packer	1

6.2.10.7 LDS6T – Round Packer – 140-360mm Spacing

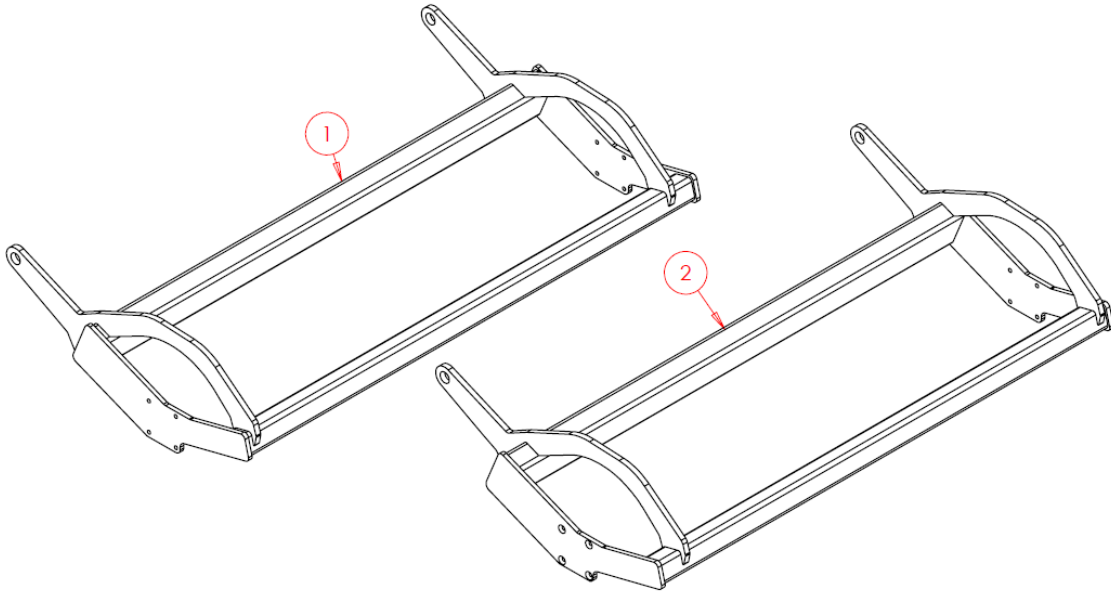


Complete Assembly – SW3736			
Item No.	Part Number	Description	Qty
1	SWB608	610 Weld-On Nut Retainer	64
2	SWB609	610 Quadrant – Plain	64
3	SWM16004	M16 Nut – Nylock	64
4	SWM1645CH	M16x45 Cap Head Screw	64

6.2.11 Packer Frames

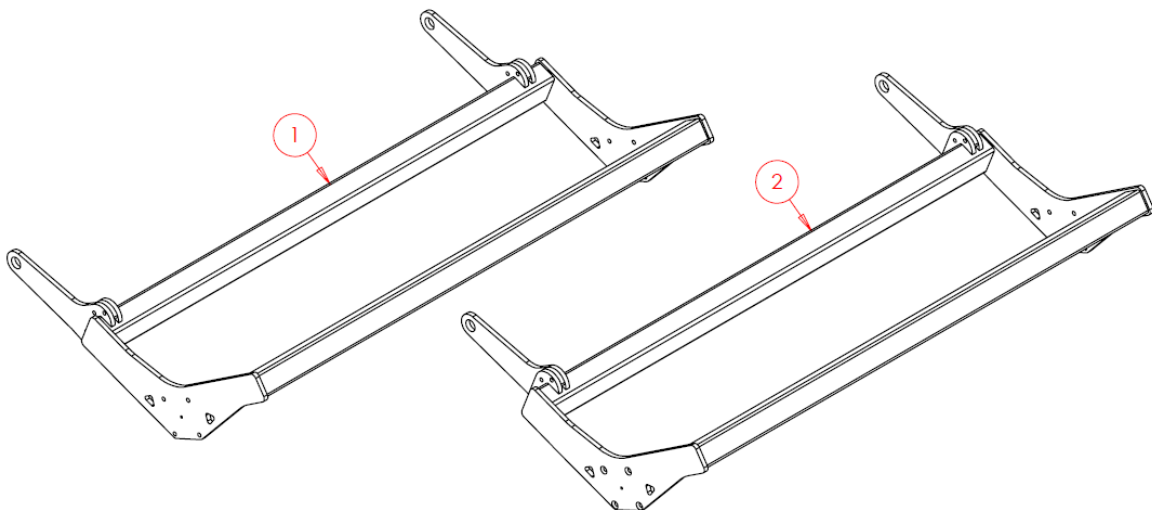
Packer frames are dependent on the packer type and spacing.

6.2.11.1 LDS5T - Diamond Packer - 220mm Spacing



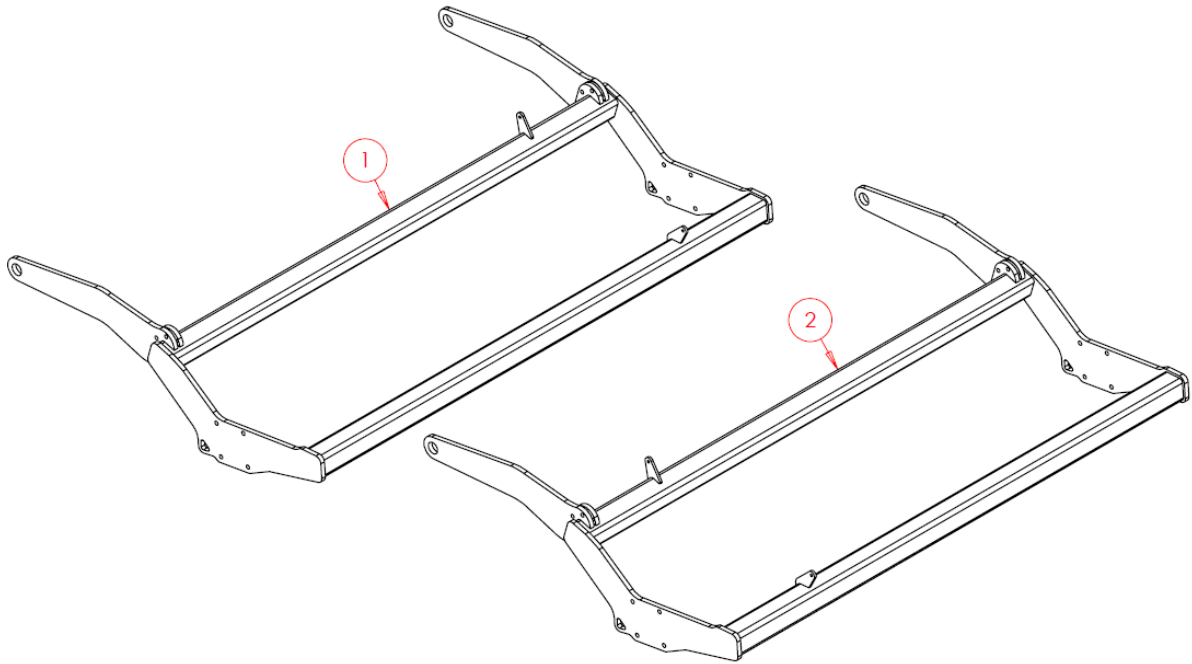
Item No.	Part Number	Description	Qty
1	SWA3002	Packer Frame LH	1
2	SWA3004	Packer Frame RH	1

6.2.11.2 LDS5T - Round Packer - 140-360mm Spacing



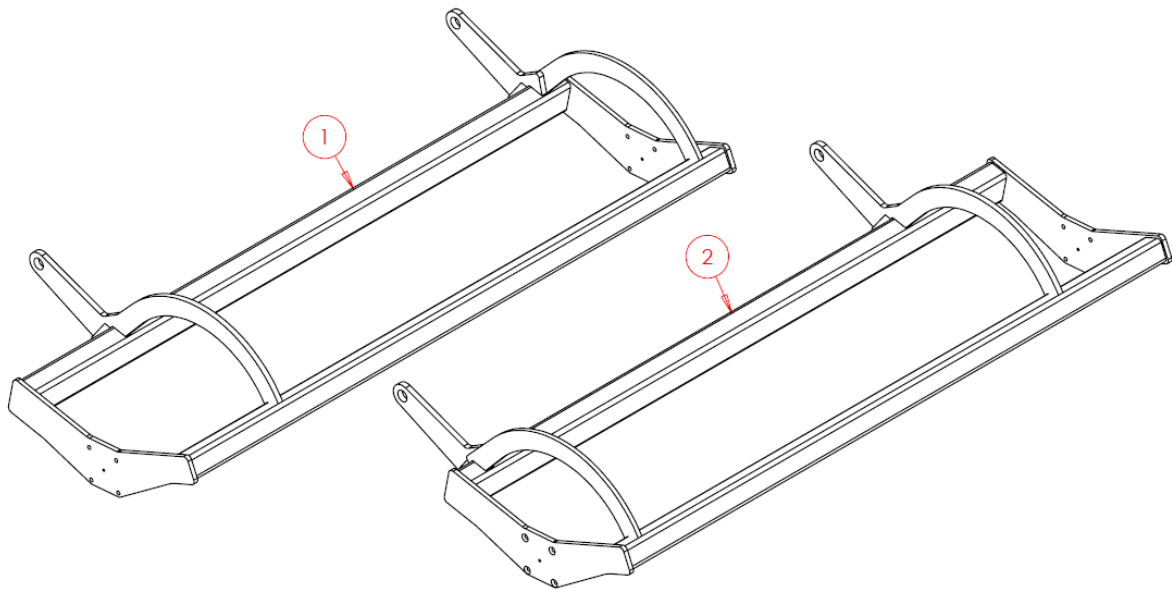
Item No.	Part Number	Description	Qty
1	SWA2913	Packer Frame LH	1
2	SWA2914	Packer Frame RH	1

6.2.11.3 LDS5T - Flat Packer - 250mm Spacing



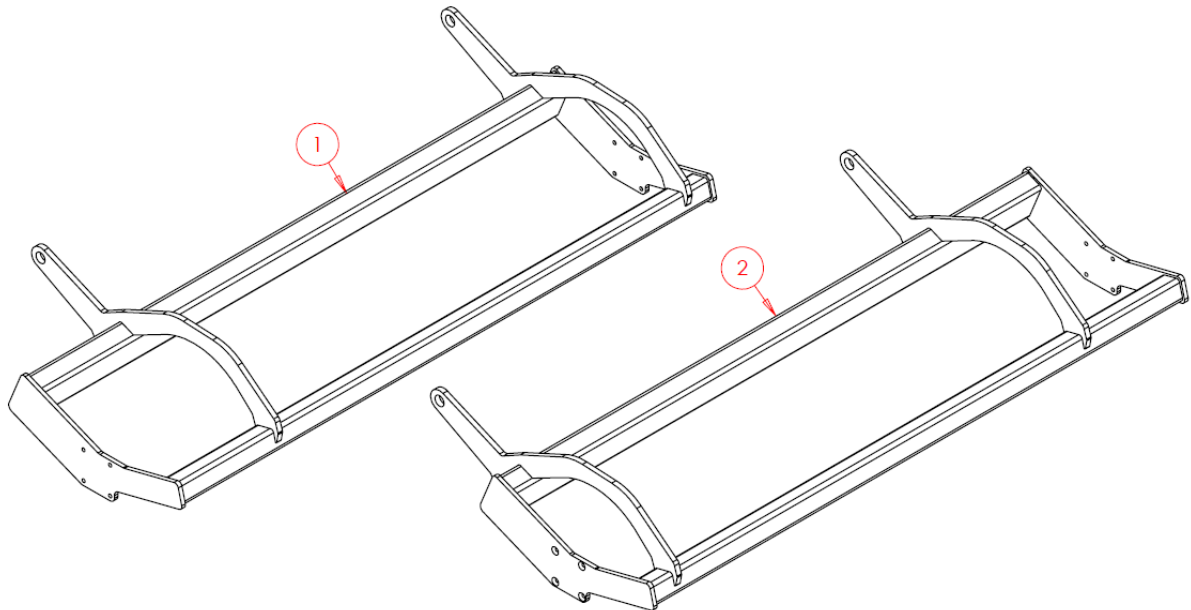
Item No.	Part Number	Description	Qty
1	SWA1756	Packer Frame LH	1
2	SWA1755	Packer Frame RH	1

6.2.11.4 LDS6T - Multipacker - 250mm Spacing



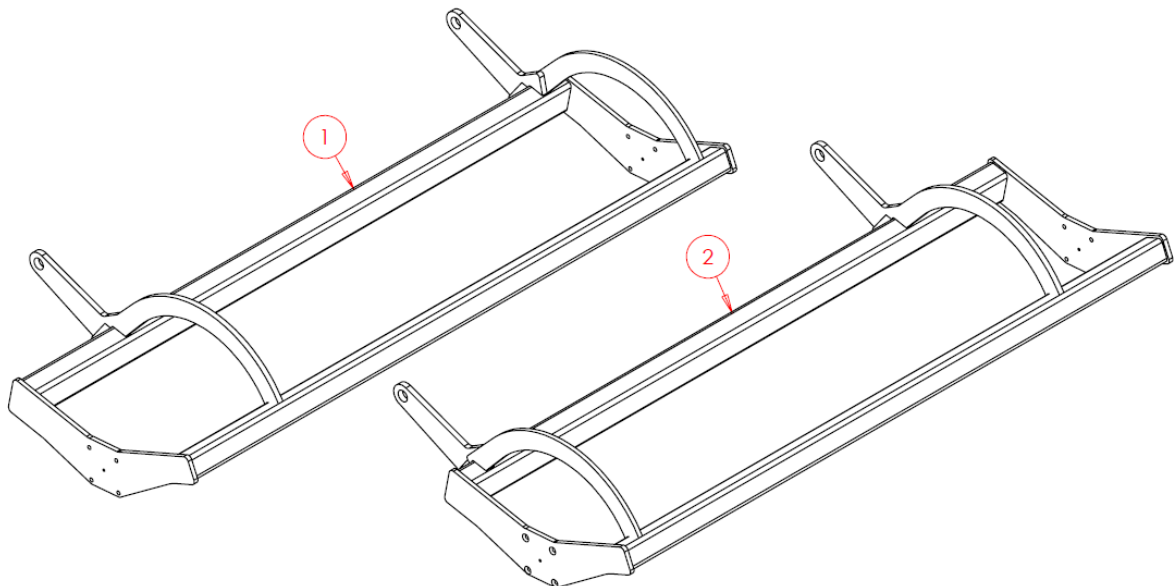
Item No.	Part Number	Description	Qty
1	SW1719	Packer Frame LH	1
2	SW1718	Packer Frame RH	1

6.2.11.5 LDS6T - Diamond Packer - 220mm Spacing



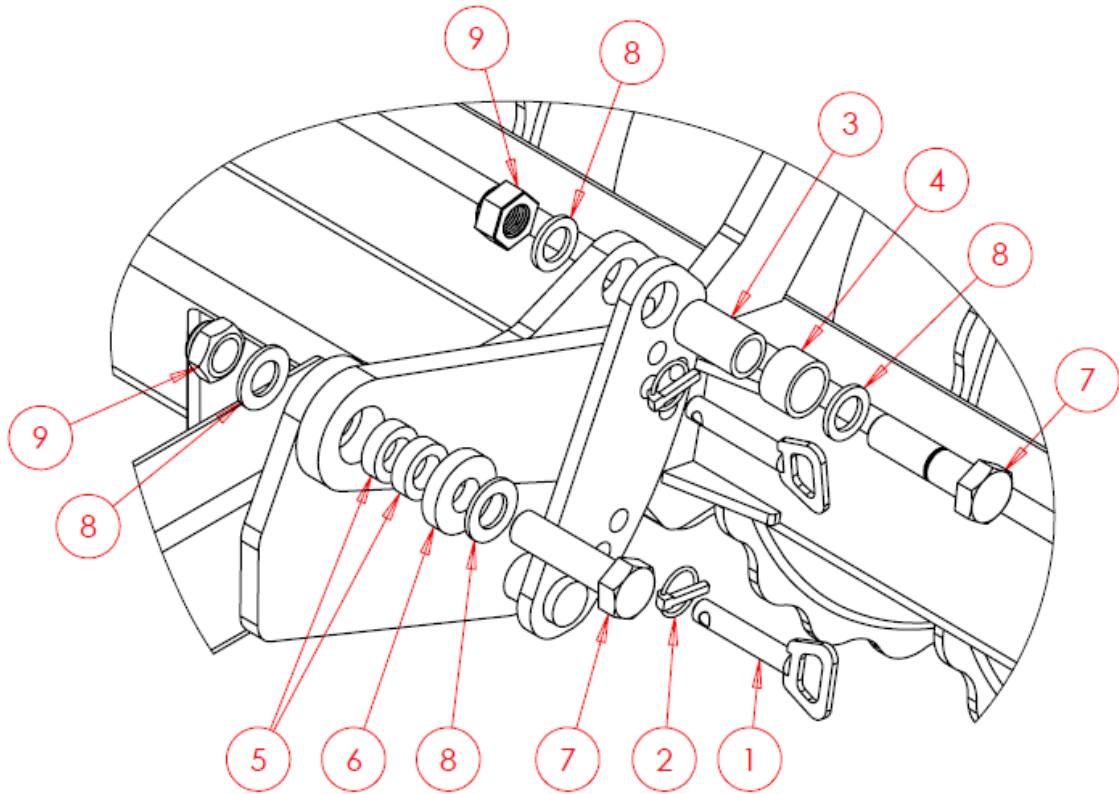
Item No.	Part Number	Description	Qty
1	SW4235	Packer Frame LH	1
2	SW4303	Packer Frame RH	1

6.2.11.6 LDS6T - Round Packer - 140-360mm Spacing



Item No.	Part Number	Description	Qty
1	SW1719	Packer Frame LH	1
2	SW1718	Packer Frame RH	1

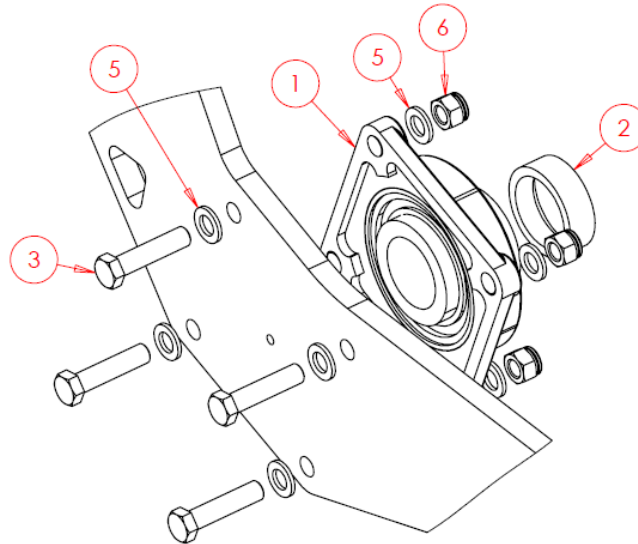
6.2.12 Packer Mounting Arrangement



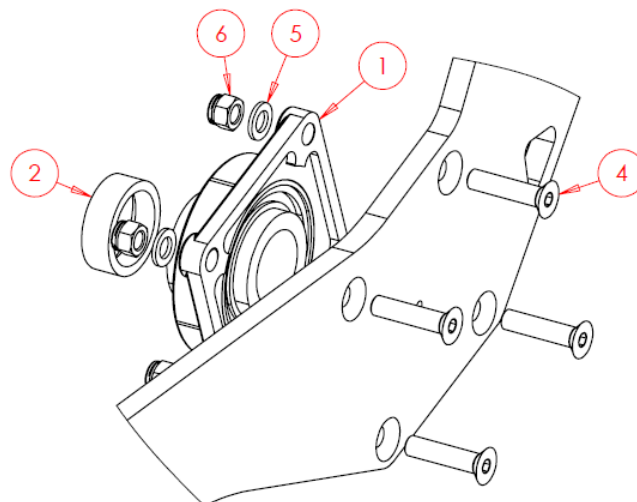
Item No.	Part Number	Description	Qty
1	SWP20x80HDP	Pin - Handle Depth Pin	8
2	SWB105	Lynch Pin	8
3	SW4972	Crunch Tube	4
4	SW4973	Spacer	4
5	SW227	Bearing Spacer	8
6	SW129	Ex Large Washer	4
7	SWM30110	M30x110 Bolt	8
8	SWM30001	M30 Washer - Flat	12
9	SWM30004	M30 Nut - Nylock	8

6.2.13 Packer Bearings Assembly

External Arrangement



Internal Arrangement



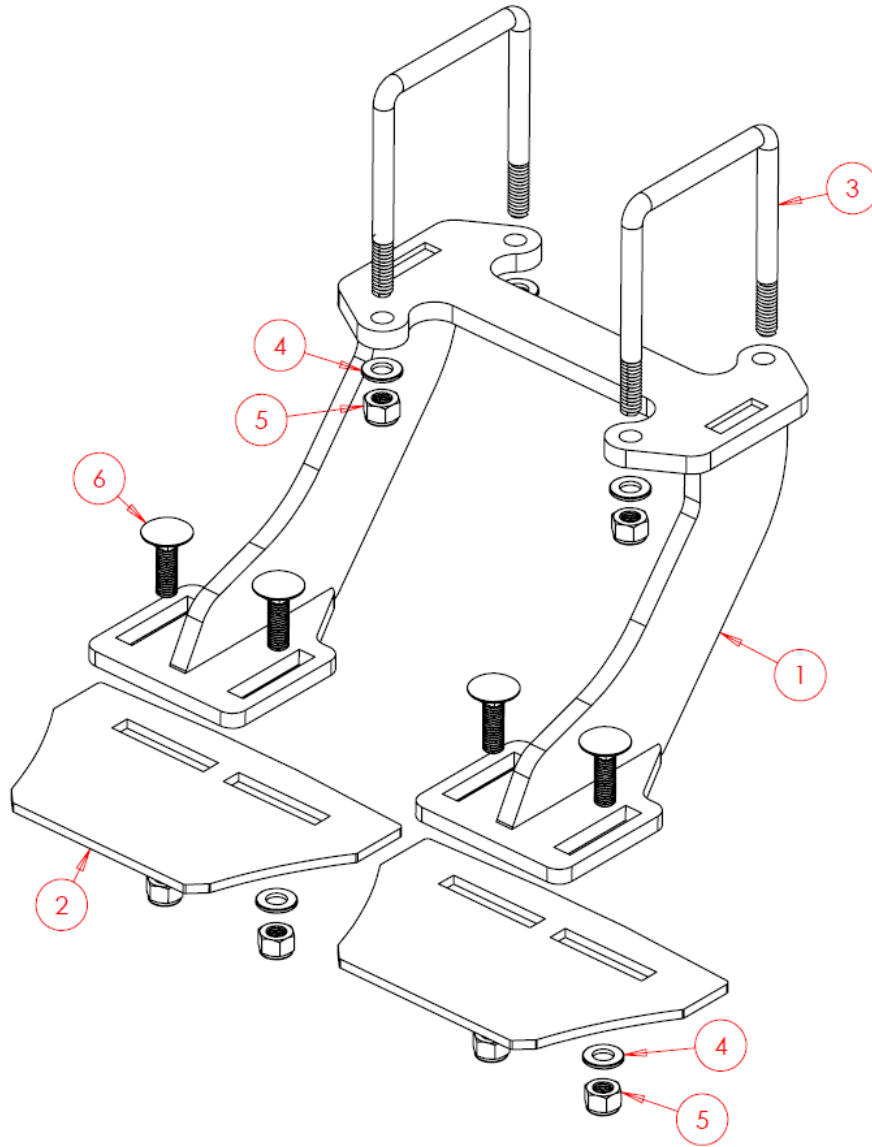
Quantities are per packer, not per machine.

Item No.	Part Number	Description	Qty
1	SWB104	Bearing	2
2	SWS3272	Spacer Collar	2
3	SWM1670	M16x70 Bolt	4
4	SWM1665CSK	M16x65 Counter Sink Screw	4
5	SWM16001	M16 Washer - Flat	12
6	SWM16006	M16 Nut - Aerotight	8

6.2.14 Scraper Assemblies

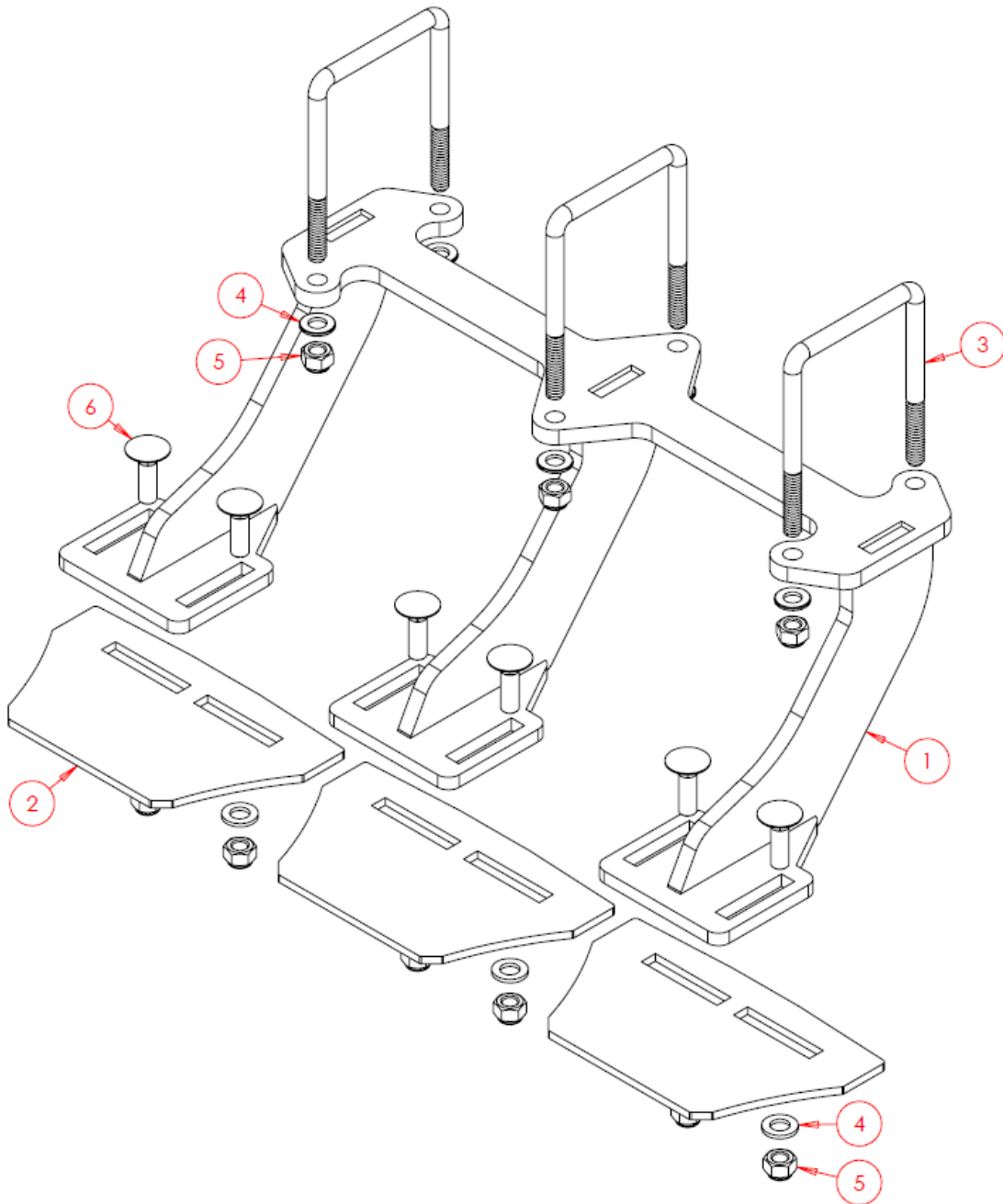
Packer frames are dependent on the packer type and spacing.

6.2.14.1 All Multipacker Options - 250mm Spacing - Double Scraper



Complete Assembly - SW1929			
Item No.	Part Number	Description	Qty
1	SW961	Hanger	1
2	SW651	Scraper	2
3	SWM12100UB	M12x100 U bolt	2
4	SWM12001	M12 Washer - Flat	8
5	SWM12004	M12 Nut - Nylock	8
6	SWM1240CHSQ	M12x40 Bolt - Cup Head Square Bolt	4

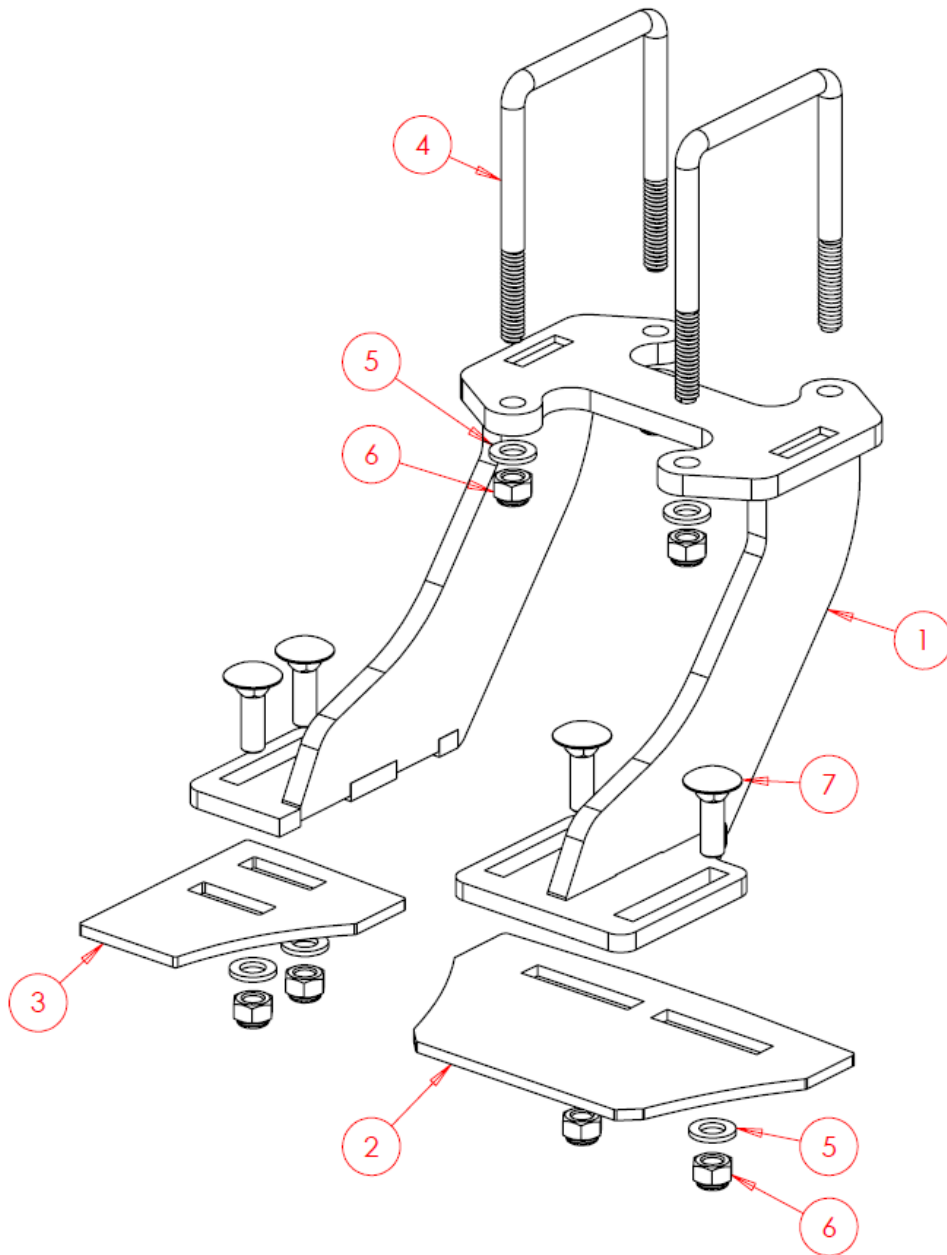
6.2.14.2 All Multipacker Options - 250mm Spacing - Triple Scraper



Complete Assembly - SW1930

Item No.	Part Number	Description	Qty
1	SW1003	Hanger	1
2	SW651	Scraper	3
3	SWM12100UB	M12x100 U bolt	3
4	SWM12001	M12 Washer - Flat	12
5	SWM12004	M12 Nut - Nylock	12
6	SWM1240CHSQ	M12x40 Bolt - Cup Head Square Bolt	6

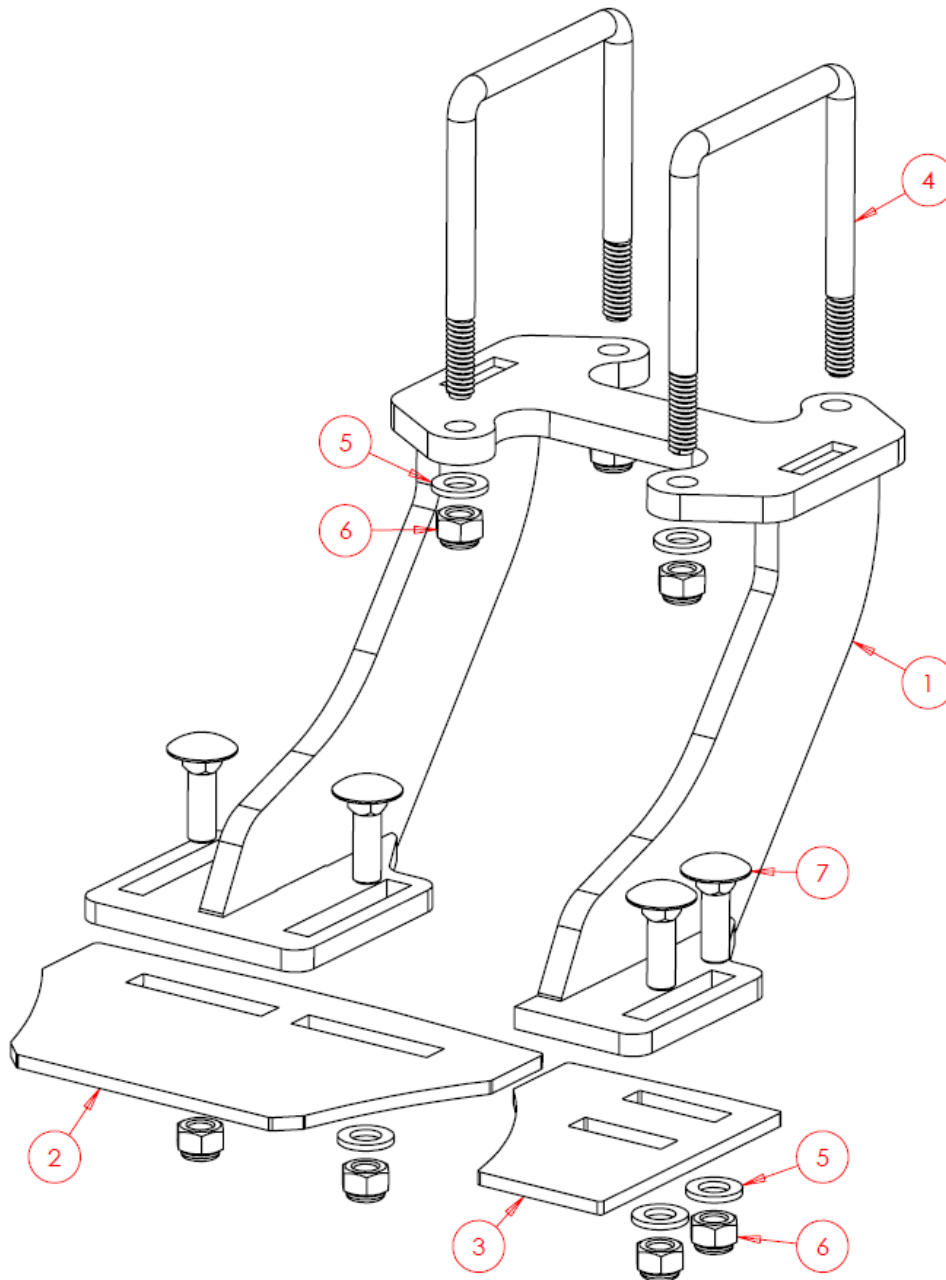
6.2.14.3 All Multipacker Options – 250mm Spacing – 1.5 Scraper LH



Complete Assembly – SW2014

Item No.	Part Number	Description	Qty
1	SW963	Hanger	1
2	SW651	Scraper	1
3	SW667	½ Scraper	1
4	SWM12100UB	M12x100 U bolt	2
5	SWM12001	M12 Washer – Flat	8
6	SWM12004	M12 Nut – Nylock	8
7	SWM1240CHSQ	M12x40 Bolt – Cup Head Square Bolt	4

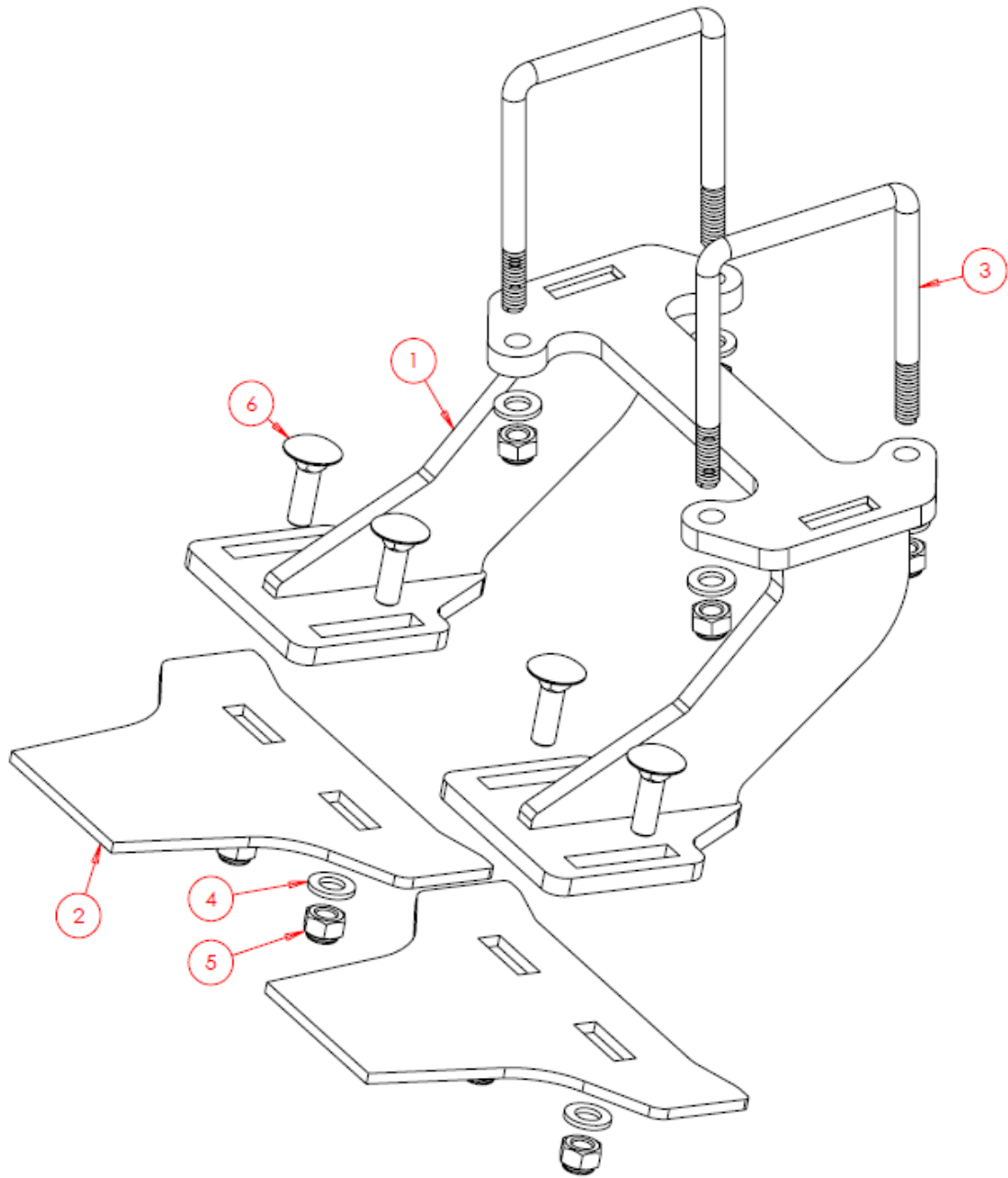
6.2.14.4 All Multipacker Options - 250mm Spacing - 1.5 Scraper RH



Complete Assembly - SW2015

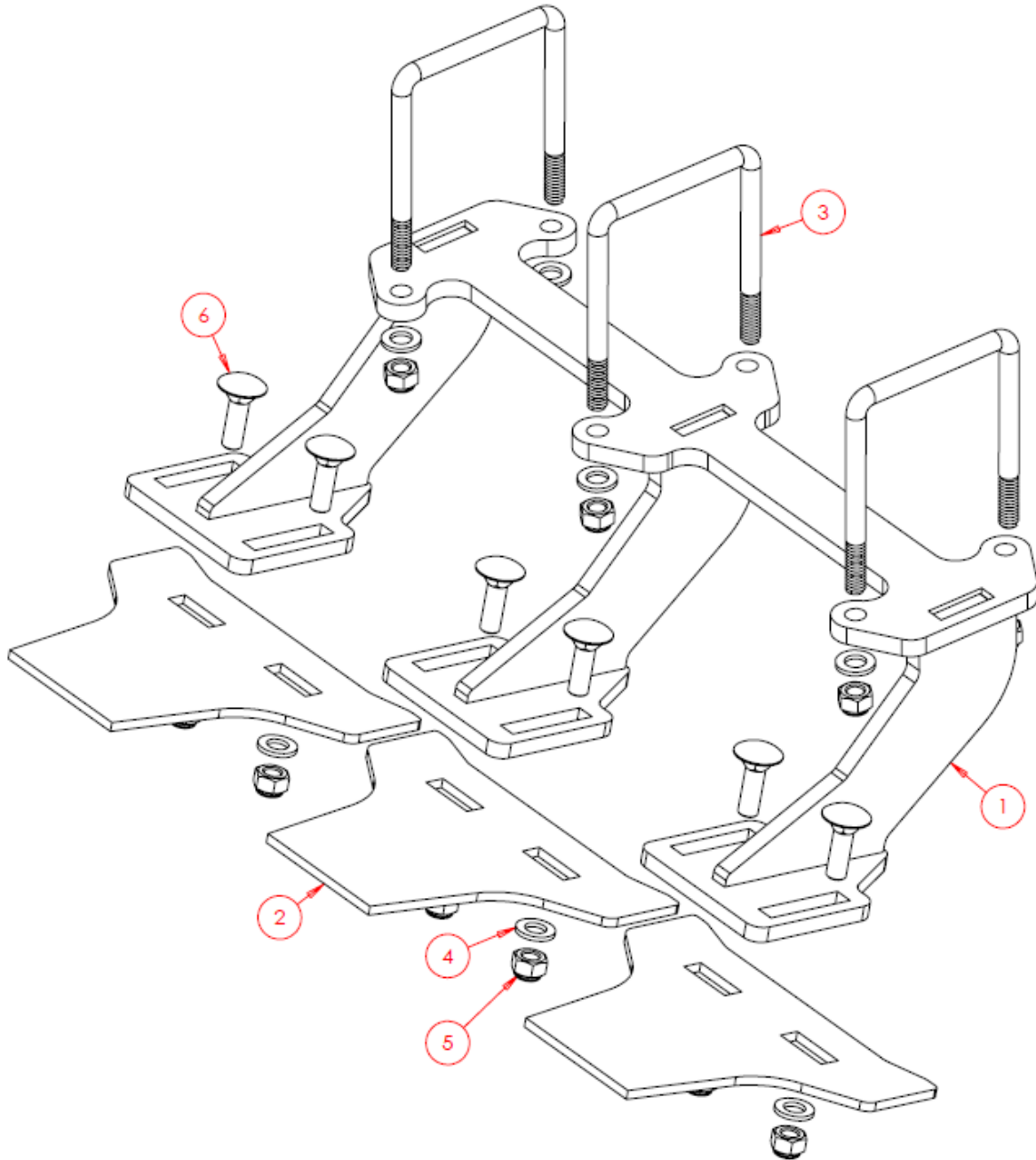
Item No.	Part Number	Description	Qty
1	SW962	Hanger	1
2	SW651	Scraper	1
3	SW667	½ Scraper	1
4	SWM12100UB	M12x100 U bolt	2
5	SWM12001	M12 Washer - Flat	8
6	SWM12004	M12 Nut - Nylock	8
7	SWM1240CHSQ	M12x40 Bolt - Cup Head Square Bolt	4

6.2.14.5 All Diamond Packer Options - 220 Spacing - Double Scraper



Complete Assembly - SWA582			
Item No.	Part Number	Description	Qty
1	SW4238	Hanger	1
2	SW4236	Scraper	2
3	SWM12100UB	M12x100 U bolt	2
4	SWM12001	M12 Washer - Flat	8
5	SWM12004	M12 Nut - Nylock	8
6	SWM1240CHSQ	M12x40 Bolt - Cup Head Square Bolt	4

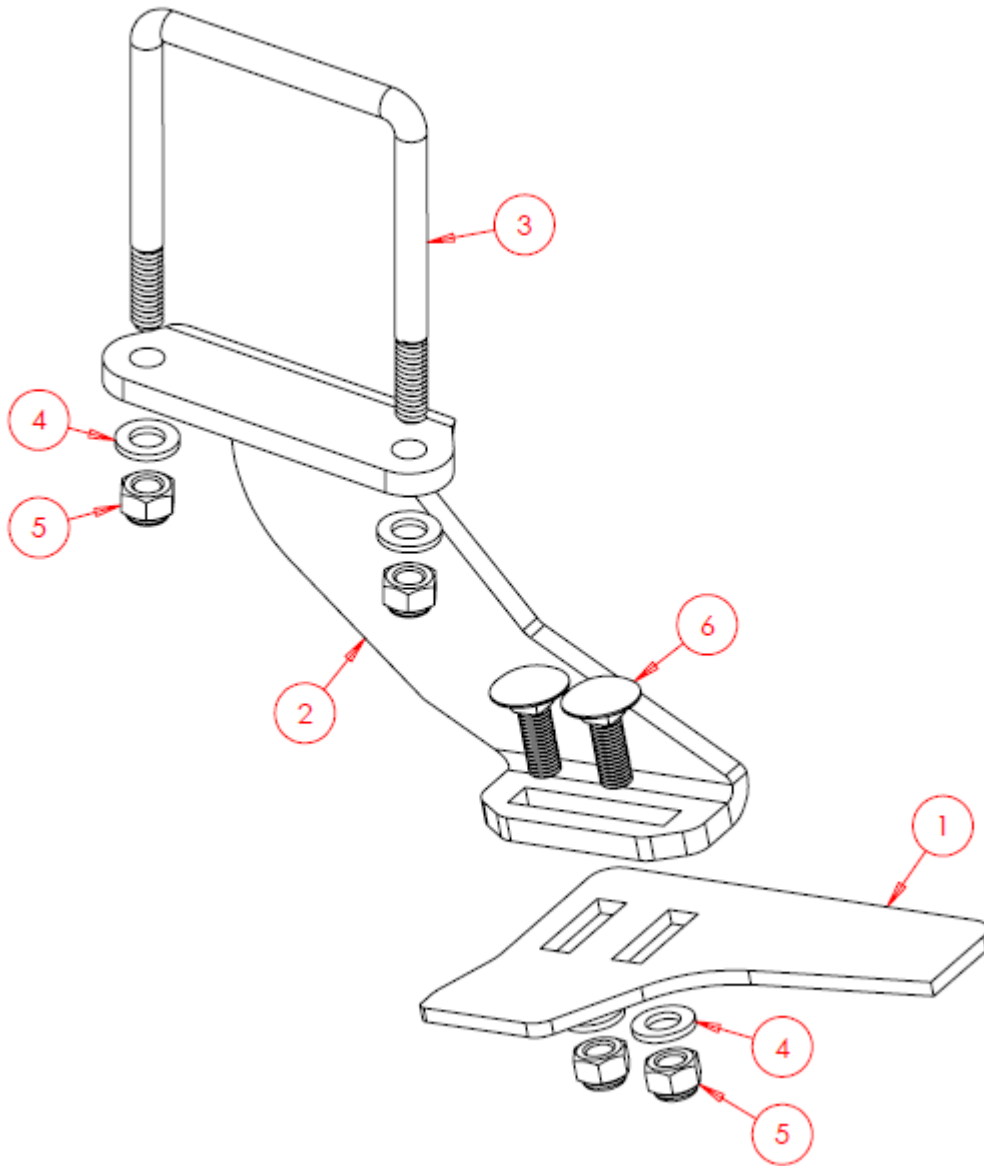
6.2.14.6 All Diamond Packer Options - 220 Spacing - Triple Scraper



Complete Assembly - SWA581

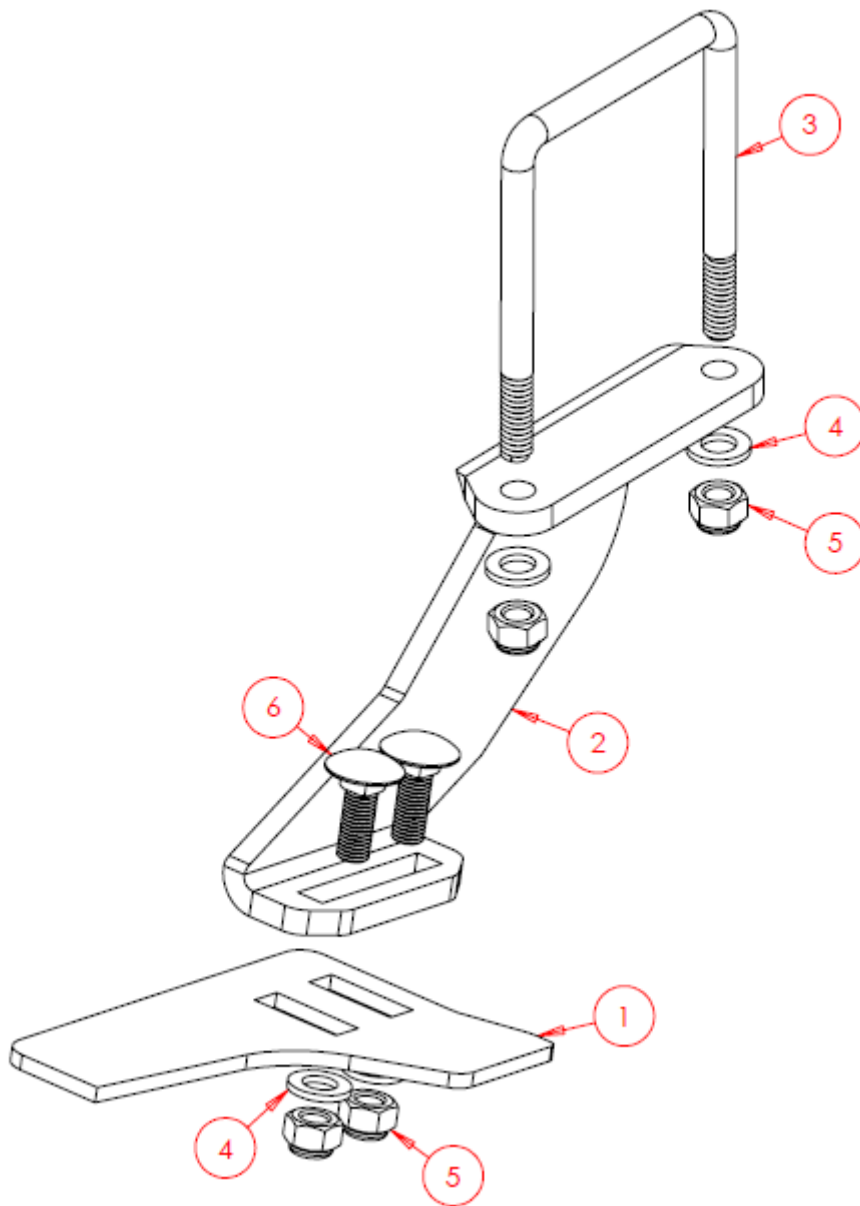
Item No.	Part Number	Description	Qty
1	SW4237	Hanger	1
2	SW4236	Scraper	3
3	SWM12100UB	M12x100 U bolt	3
4	SWM12001	M12 Washer - Flat	12
5	SWM12004	M12 Nut - Nylock	12
6	SWM1240CHSQ	M12x40 Bolt - Cup Head Square Bolt	6

6.2.14.7 All Diamond Packer Options - 220 Spacing - Half Scraper LH



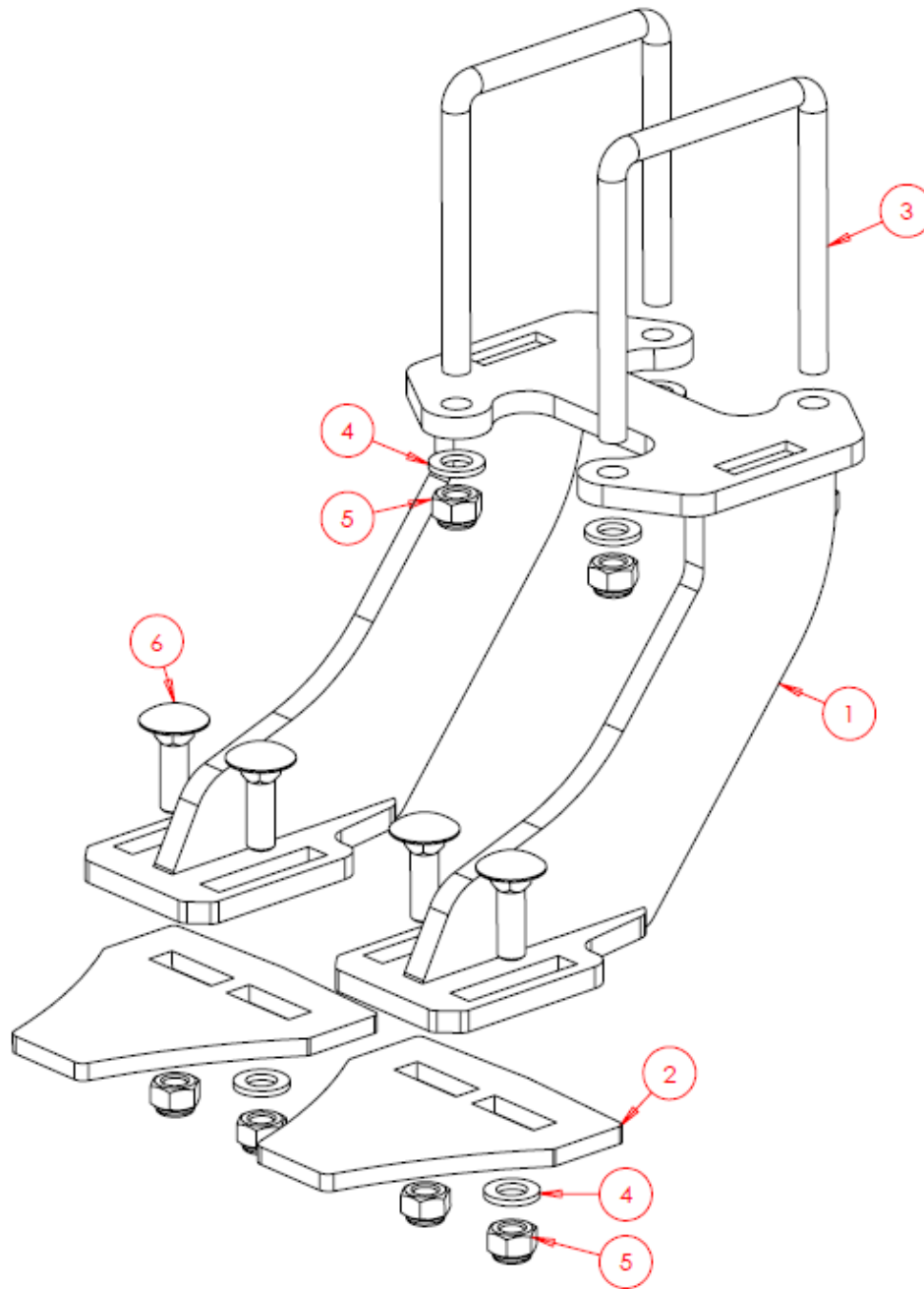
Complete Assembly - SWA584			
Item No.	Part Number	Description	Qty
1	SW3945	Scraper	1
2	SW4240	Hanger	1
3	SWM12100UB	M12x100 U bolt	1
4	SWM12001	M12 Washer - Flat	4
5	SWM12004	M12 Nut - Nylock	4
6	SWM1235CHSQ	M12x35 Bolt - Cup Head Square Bolt	2

6.2.14.8 All Diamond Packer Options - 220 Spacing - Half Scraper RH



Complete Assembly - SWA583			
Item No.	Part Number	Description	Qty
1	SW3945	Scraper	1
2	SW4239	Hanger	1
3	SWM12100UB	M12x100 U bolt	1
4	SWM12001	M12 Washer - Flat	4
5	SWM12004	M12 Nut - Nylock	4
6	SWM1235CHSQ	M12x35 Bolt - Cup Head Square Bolt	2

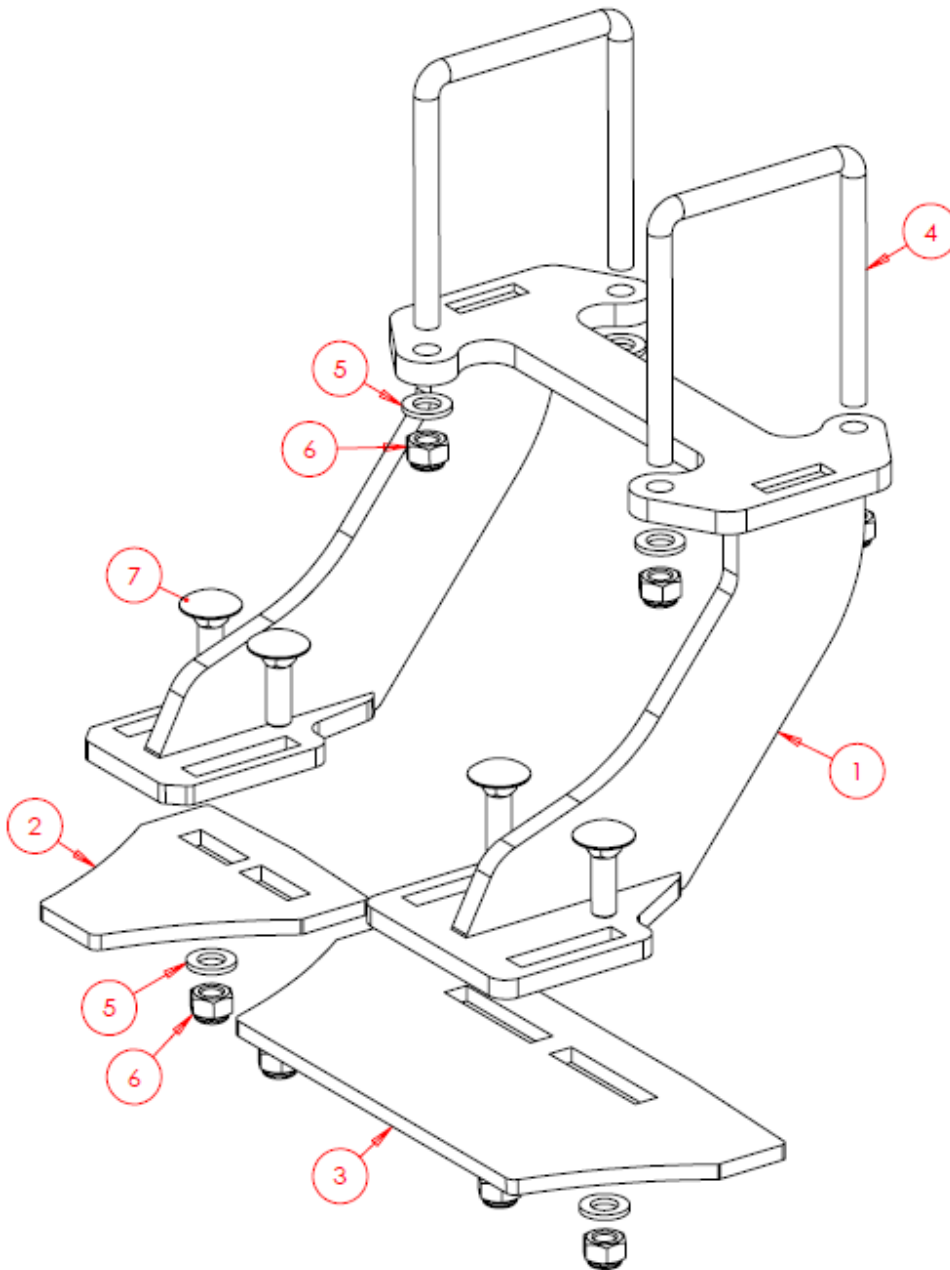
6.2.14.9 All Round Packer Options - 140-360mm Spacing - Small Double Scraper



Complete Assembly - SWA3046

Item No.	Part Number	Description	Qty
1	SW3746	Hanger	1
2	SW3745	Scraper	2
3	SWM12100UB	M12x100 U bolt	2
4	SWM12001	M12 Washer - Flat	8
5	SWM12004	M12 Nut - Nylock	8
6	SWM1240CHSQ	M12x40 Bolt - Cup Head Square Bolt	4

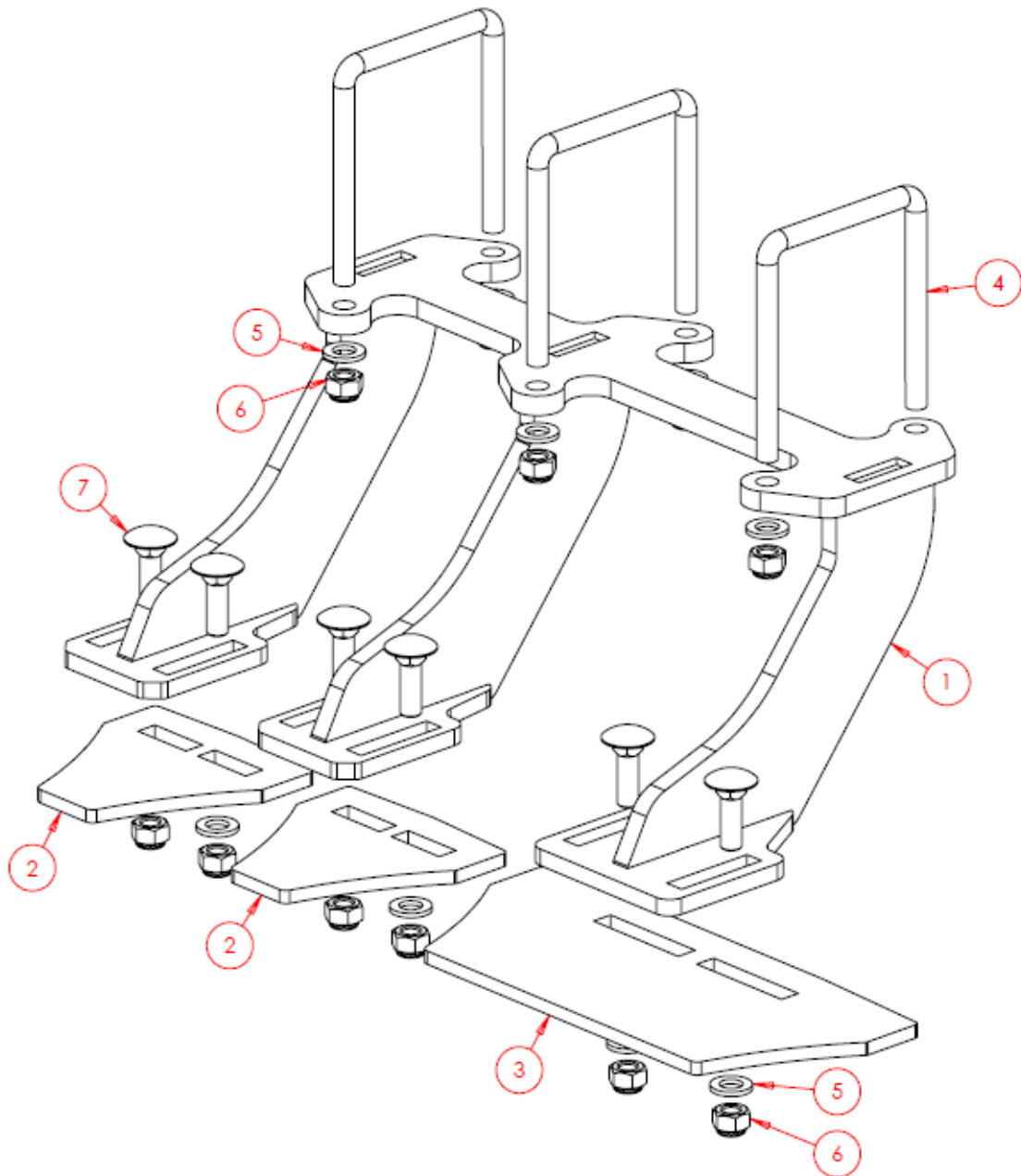
6.2.14.10 All Round Packer Options - 140-360mm Spacing - Mix Double Scraper



Complete Assembly - SWA3047

Item No.	Part Number	Description	Qty
1	SW3742	Hanger	1
2	SW3745	Small Scraper	1
3	SW3744	Large Scraper	1
4	SWM12100UB	M12x100 U bolt	2
5	SWM12001	M12 Washer - Flat	8
6	SWM12004	M12 Nut - Nylock	8
7	SWM1240CHSQ	M12x40 Bolt - Cup Head Square Bolt	4

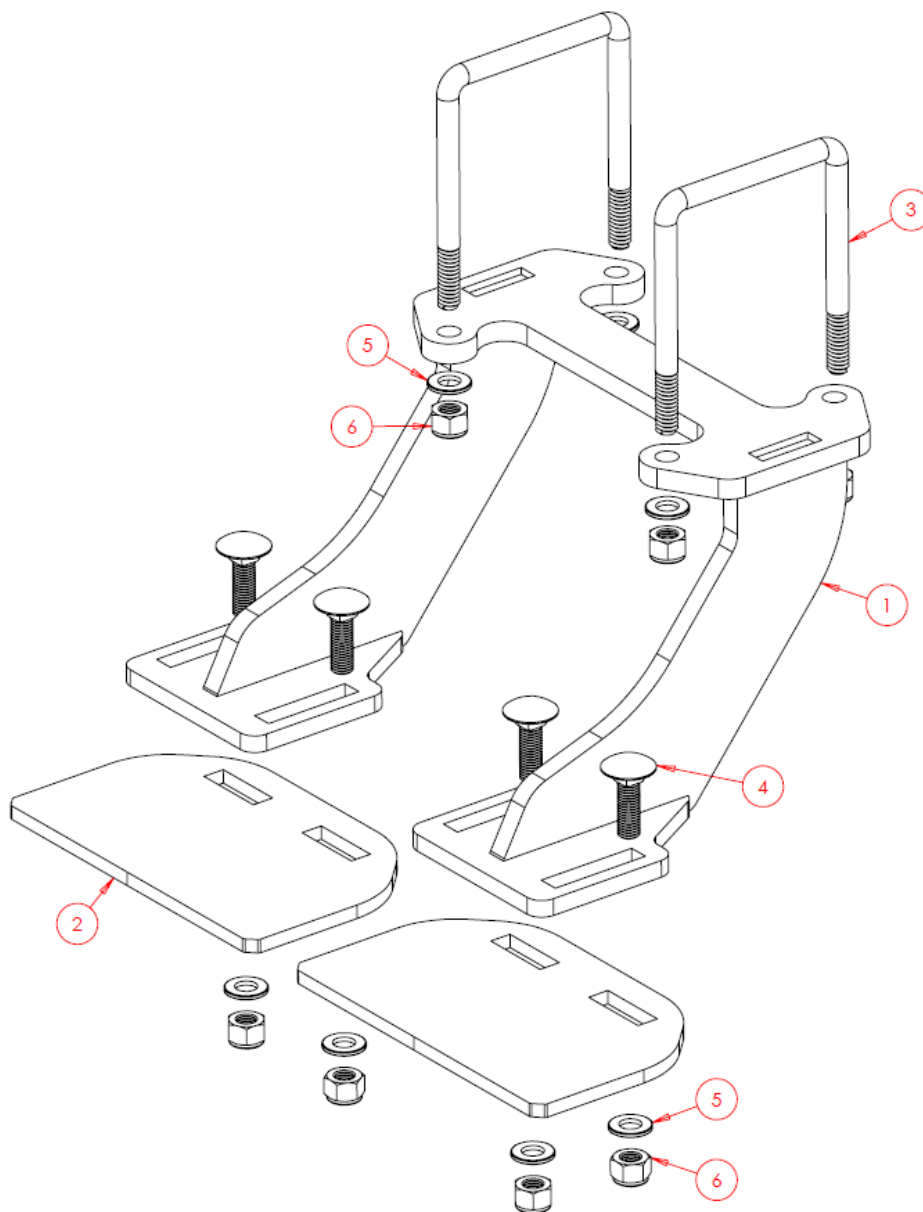
6.2.14.11 All Round Packer Options - 140-360mm Spacing - Triple Scraper



Complete Assembly - SWA3048

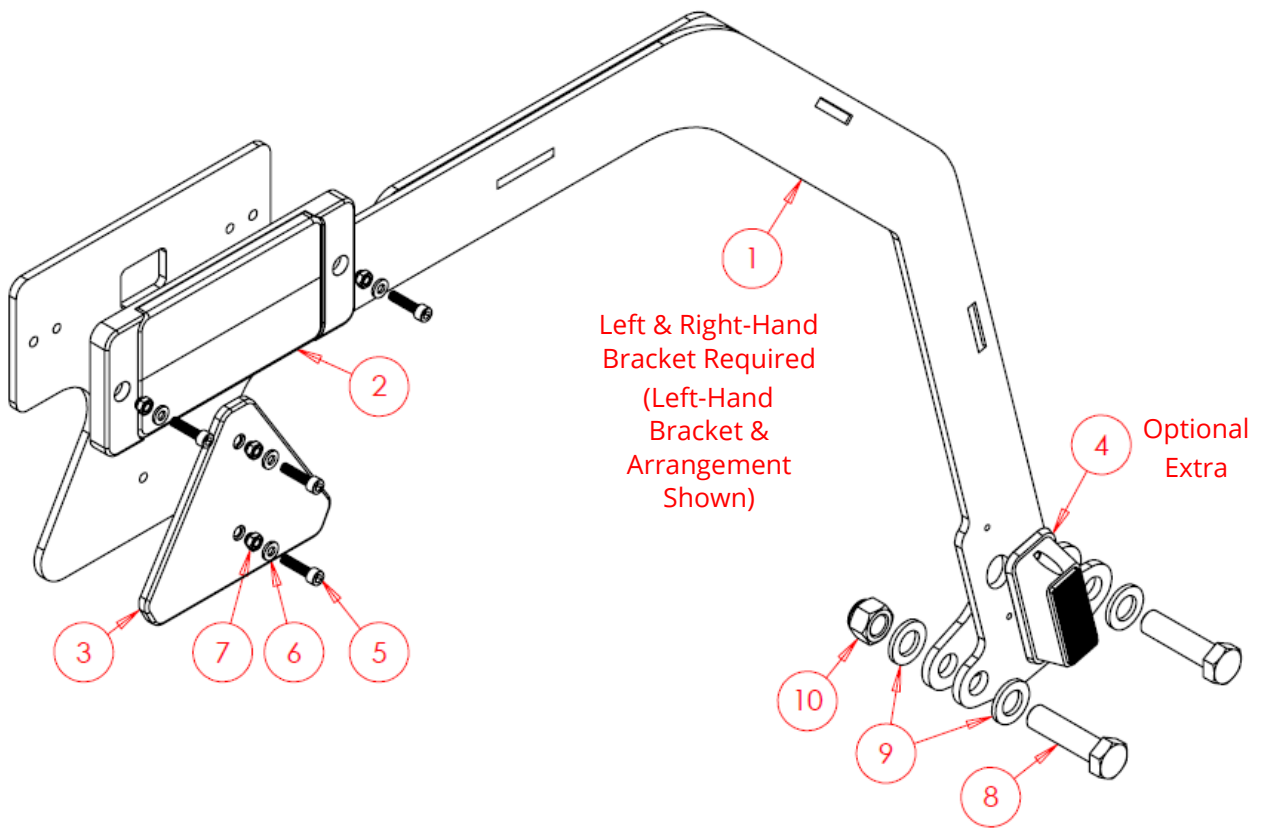
Item No.	Part Number	Description	Qty
1	SW3743	Hanger	1
2	SW3745	Small Scraper	2
3	SW3744	Large Scraper	1
4	SWM12100UB	M12x100 U bolt	3
5	SWM12001	M12 Washer - Flat	12
6	SWM12004	M12 Nut - Nylock	12
7	SWM1240CHSQ	M12x40 Bolt - Cup Head Square Bolt	6

6.2.14.12 All Flat Packer Options – 250mm Spacing – Double Scraper



Complete Assembly – SWA1006			
Item No.	Part Number	Description	Qty
1	SW961	Hanger	1
2	SW1977	Scraper	2
3	SWM12100UB	M12x100 U bolt	2
4	SWM1240CHSQ	M12x40 Bolt – Cup Head Square Bolt	4
5	SWM12001	M12 Washer – Flat	8
6	SWM12004	M12 Nut – Nylock	8

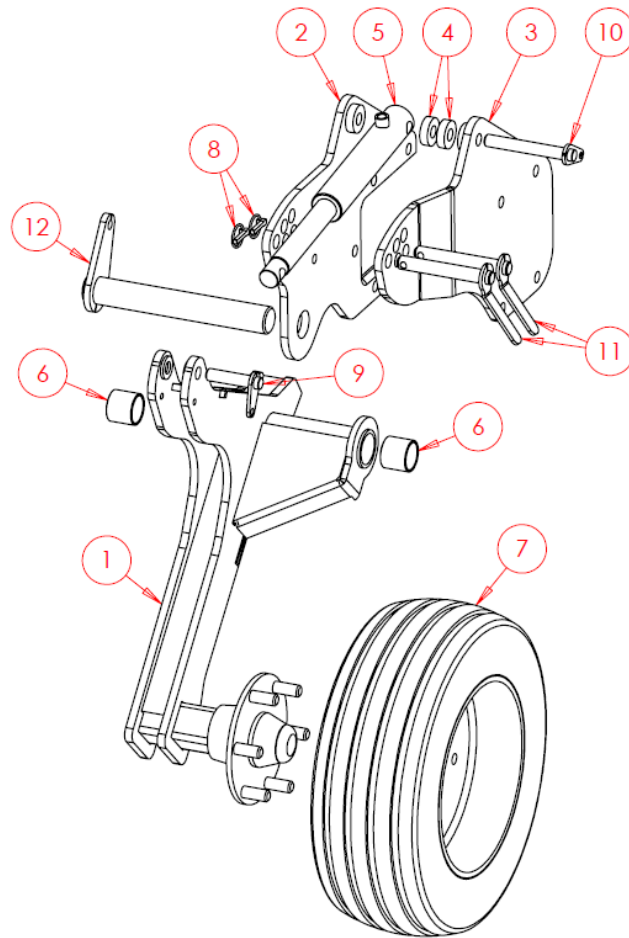
6.2.15 Lights Bracket Assembly



Item No.	Part Number	Description	Qty
1	SW445	Light Bracket LH	1
1	SW444	Light Bracket RH (Not Shown)	1
2	SWB715	Rear Light Stop Light / Indicator	2
3	SWB162	Reflector - Red Triangle	2
4	SWB274	Marker Light - White *	2 *
5	SWM625AKH	M6x25 Cap Head Screw	8
6	SWM6001	M6 Washer - Flat	8
7	SWM6004	M6 Nut - Nylock	8
8	SWM1660	M16x60 Bolt	4
9	SWM16001	M16 Washer - Flat	8
10	SWM16004	M16 Nut - Nylock	4

* Marker Lights are an optional extra and do not appear on standard machines.

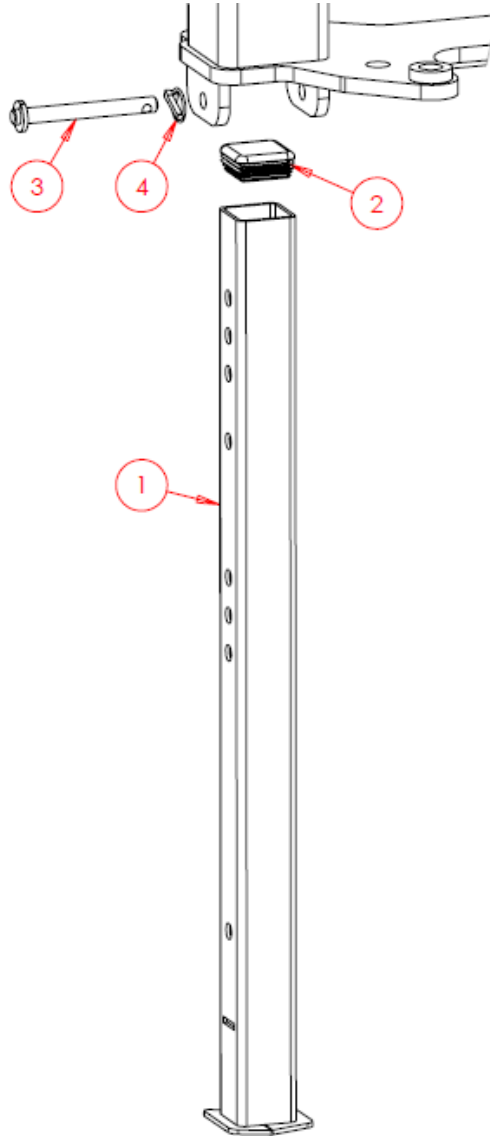
6.2.16 Depth Wheels Arrangement - LDS6T Only



Item No.	Part Number	Description	Qty
1	SW2434	Depth Wheel LH	1
1	SW2435	Depth Wheel RH (Not Shown)*	1
2	SWA2952	Flat Bracket LH	1
2	SWA2954	Flat Bracket RH (Not Shown)*	1
3	SWA2953	Bent Bracket LH	1
3	SWA2955	Bent Bracket RH (Not Shown)*	1
4	SW6671	Spacer	4
5	SWH276	Hydraulic Cylinder	2
6	SWB142	Oilite Bush	4
7	SWB1263	Tyre 200-60-14.5	2
8	SWB105	Lynch Pin	4
9	SWP22X90	Pin	2
10	SWP22X160	Pin	2
11	SWP25X150H	Pin - Handle	4
12	SWP50X340	Pin	2

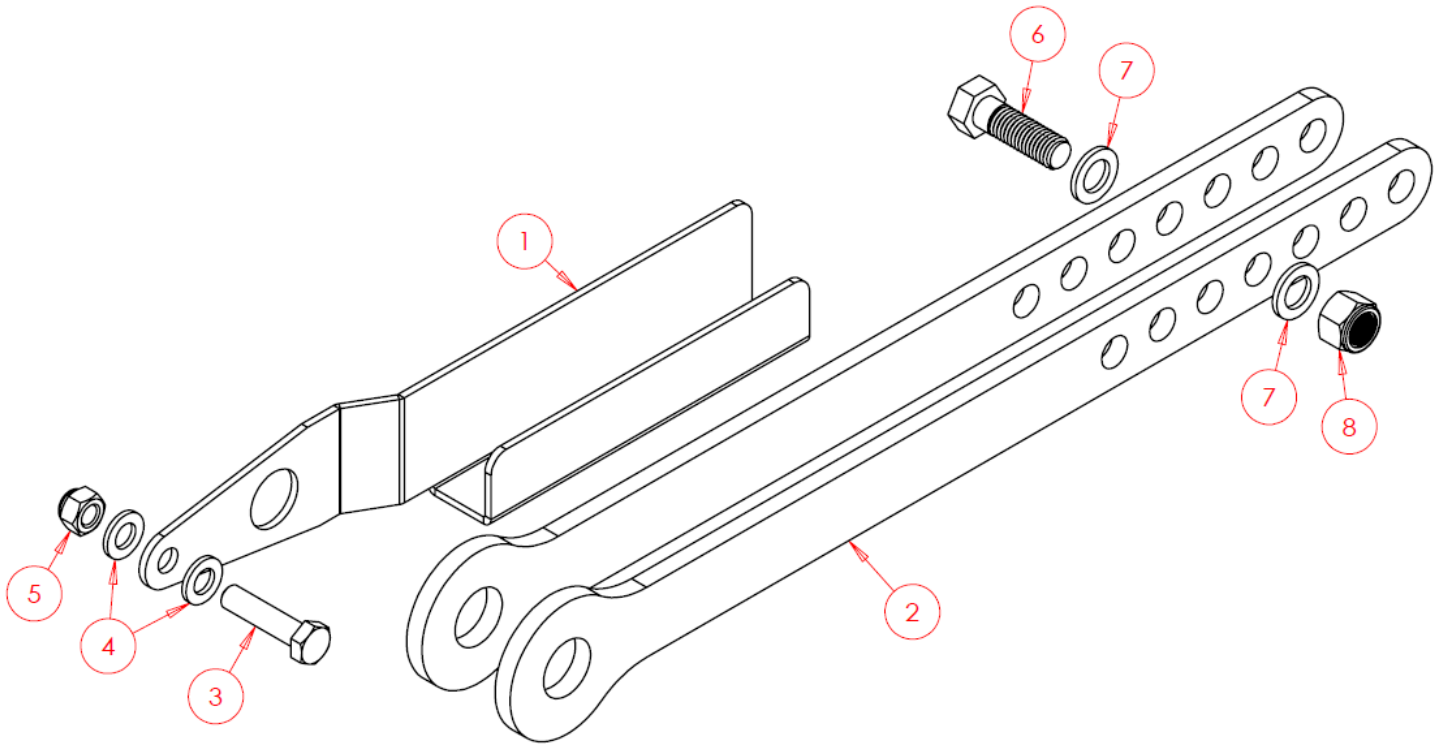
* Left & Right-Hand versions required (Left-Hand version shown).

6.2.17 Stands



Item No.	Part Number	Description	Qty
1	SW117	Stand	2
2	SWB144	Plastic Bung	2
3	SWP20X160W	Pin	2
4	SWB105	Lynch Pin	2

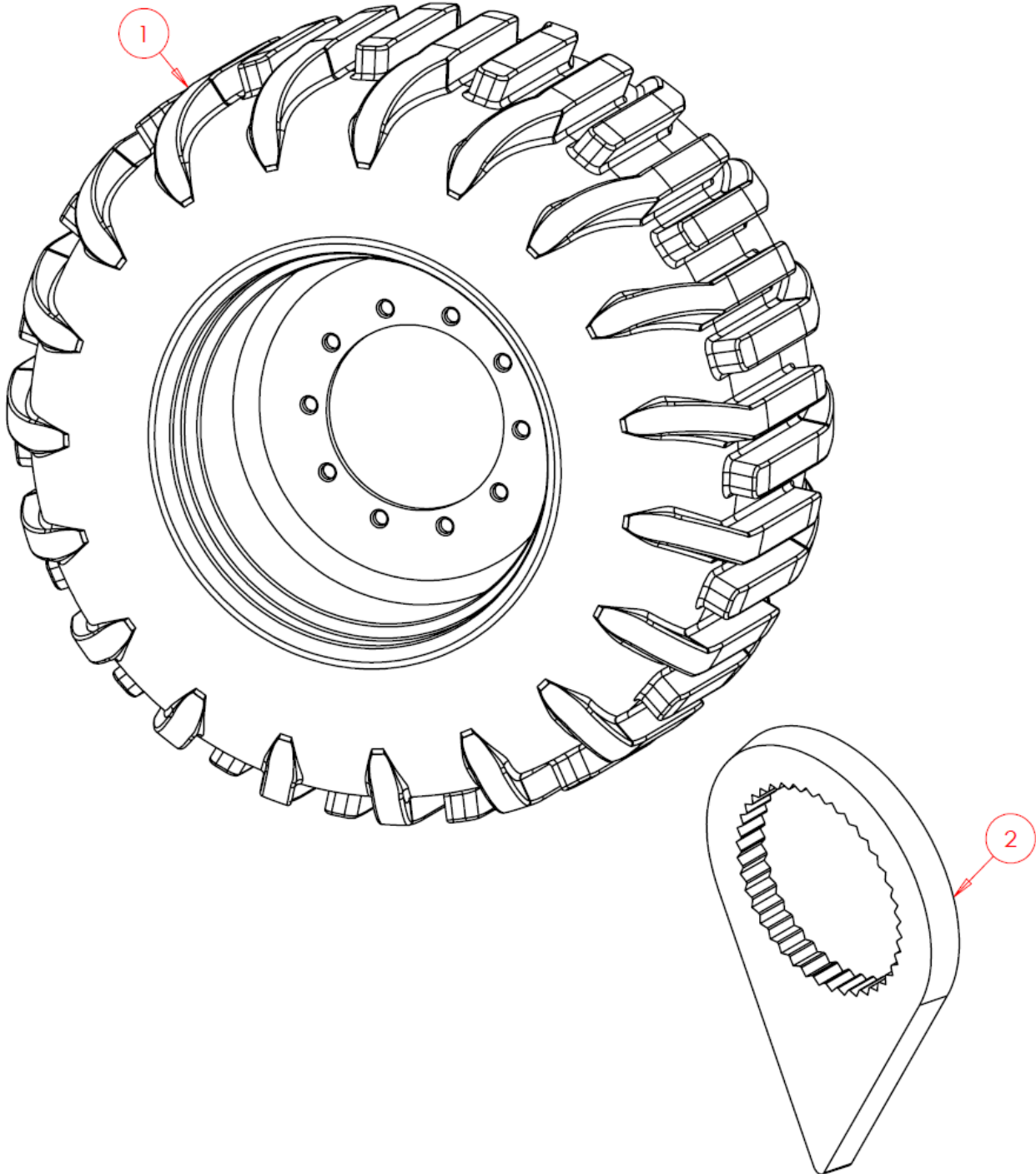
6.2.18 Dog Bone Arrangement



Complete Assembly - SWA1582			
Item No.	Part Number	Description	Qty
1	SWS21165	Holder	1
2	SWS21126	Dog Bone	2
3	SWM1250	M12x50 Bolt	1
4	SWM12001	M12 Washer - Flat	2
5	SWM12004	M12 Nut - Nylock	1
6	SWM1650	M16x50 Bolt	1
7	SWM16001	M16 Washer - Flat	2
8	SWM16004	M16 Nut - Nylock	1

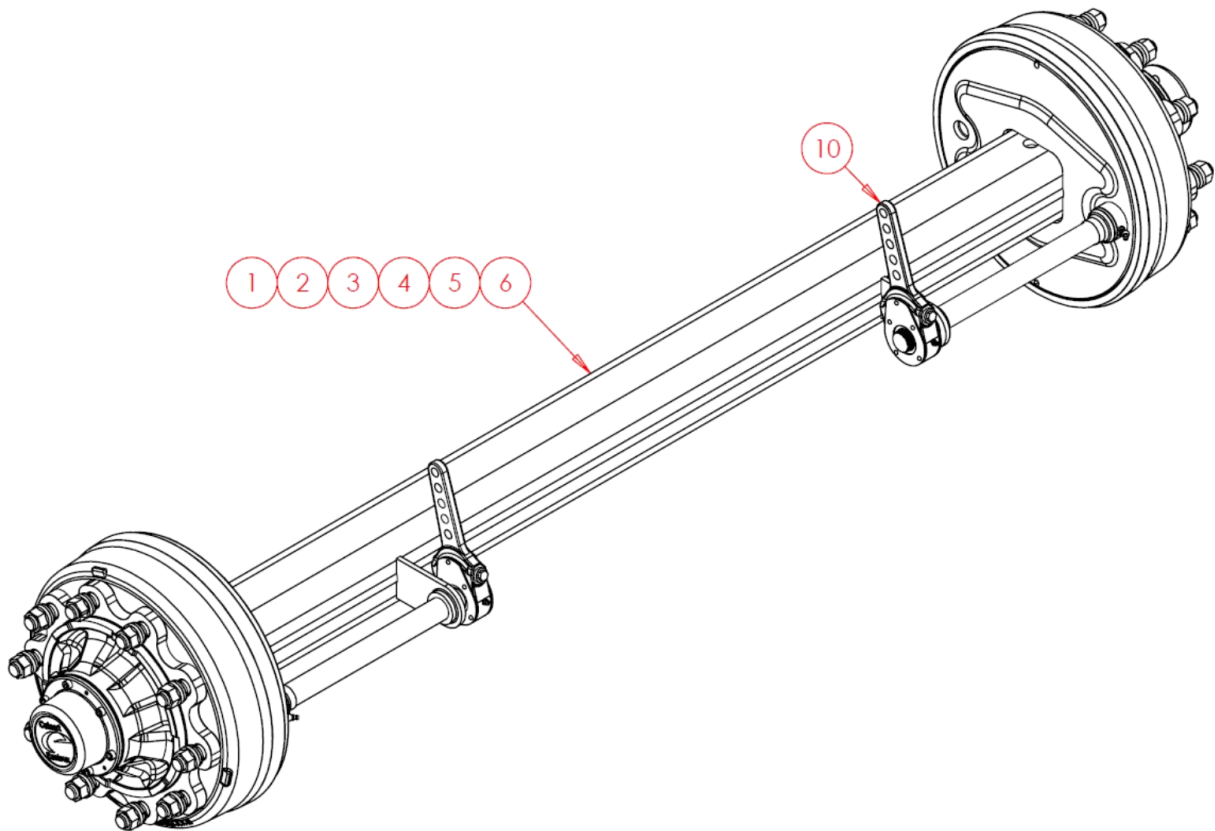
6.2.19 Tyres & Axle Assemblies

6.2.19.1 Tyres & Marker Arrows



Item No.	Part Number	Description	Qty
1	SWB414	Tyre & Rim 600/50-22.5 10 Stud	2
2	SWB634	30mm Marker Arrow	20

6.2.19.2 10 Stud Axle - Spare Parts List



Complete Assembly - SWB1200*			
Item No.	Part Number	Description	Qty
1	SWB749	Wheel Nuts & Washers	20
2	SWB519	Dust Seal Kit (Outside)	2
3	SWB748	Stud	20
4	SWB744	Bearing Kit	2
5	SWB742	Crown Nut & Pin	2
6	SWB741	3 Piece Seal Kit (Inside)	2

* Quantities for whole axle (both Drums).

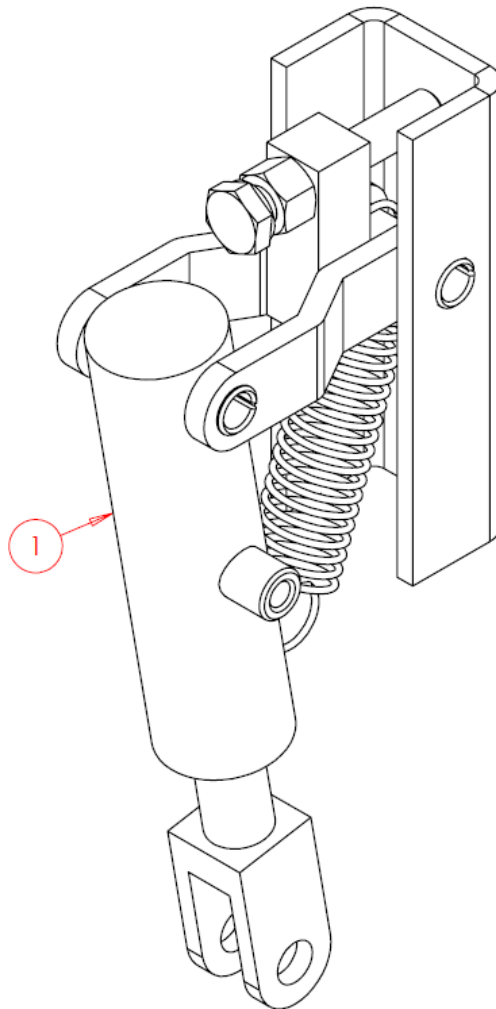
Item No.	Part Number	Description	Qty
10	SWB1076	Brake Lever	2

* Quantities for whole axle (both Drums).

6.2.19.3 Brake Cylinders Assembly (Standard Option)

Brake cylinder will change if the machine is homologated. See homologation option.

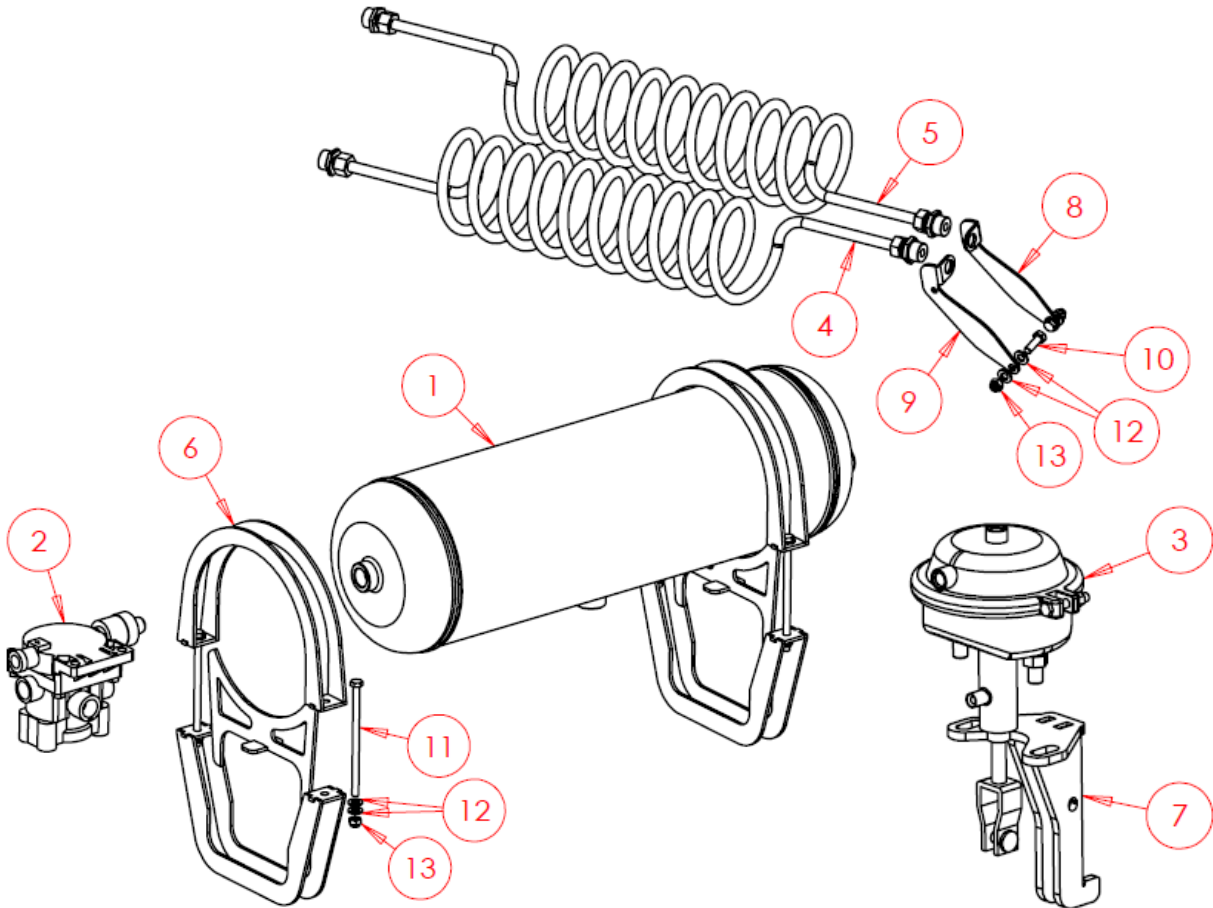
Note: Parts for this assembly are not sold separately.



Item No.	Part Number	Description	Qty
1	SWB134	Brake Cylinder Assembly	2

6.3 Optional Extras/Attachments

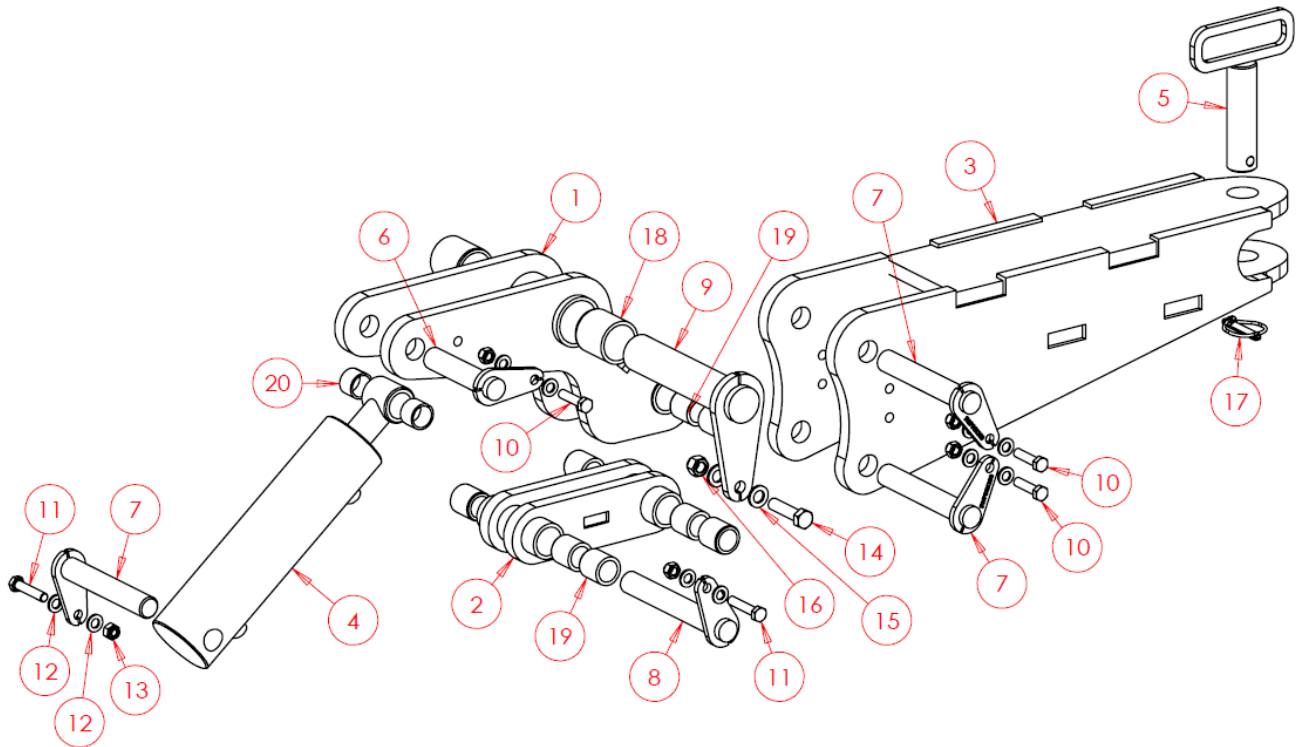
6.3.1 Air Brake Kits



Air Brake Kit - SWB1296

Item No.	Part Number	Description	Qty
1	SWB1068	Reservoir	1
2	SWB1070	Distribution Valve	1
3	SWH683	Air-Brake Chamber	2
4	SWB1389	Emergency Line - Red	1
5	SWB1388	Service Line - Yellow	1
6	SW3905	Reservoir Bracket	2
7	SWA1580	Air-Brake Chamber Bracket	2
8	SWS12111-RH	Service Line Bracket	1
9	SWS12111-LH	Emergency Line Bracket	1
10	SWM825	M8x25 Screw	2
11	SWM8140	M8x140 Bolt	4
12	SWM8001	M8 Washer - Flat	12
13	SWM8004	M8 Nut - Nylock	6

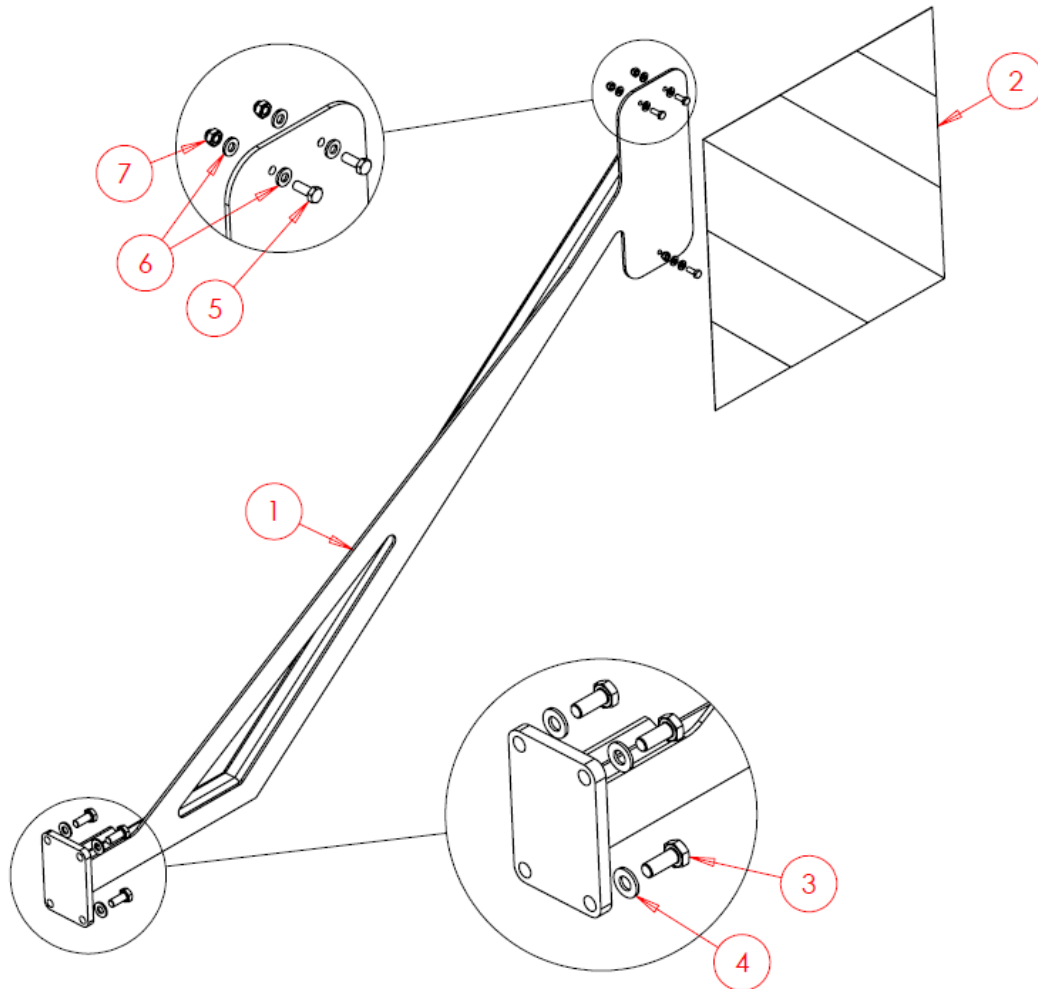
6.3.2 Rear Drawbar



Complete Assembly Including Tine - SWA2290			
Item No.	Part Number	Description	Qty
1	SWA2286	Top Link	1
2	SWA2287	Bottom Link	1
3	SWA2288	Towing Bar	1
4	SWH125	Hydraulic Cylinder	1
5	SW1139	Pin	1
6	SWP30X130	Pin	1
7	SWP30X180	Pin	3
8	SWP30X210	Pin	1
9	SWP50X225	Pin	1
10	SWM1250	M12x50 Bolt	3
11	SWM1260	M12x60 Bolt	2
12	SWM12001	M12 Washer - Flat	10
13	SWM12004	M12 Nut - Nylock	5
14	SWM1665	M16x65 Bolt	1
15	SWM16001	M16 Washer - Flat	2
16	SWM16004	M16 Nut - Nylock	1
17	SWB107	Lynch Pin	1
18	SWB1004	Self-Lubricating Bush	2
19	SWB1235	Self-Lubricating Bush	9
20	SWB374	Spring Tension Bush	2

6.3.3 Hazard Boards

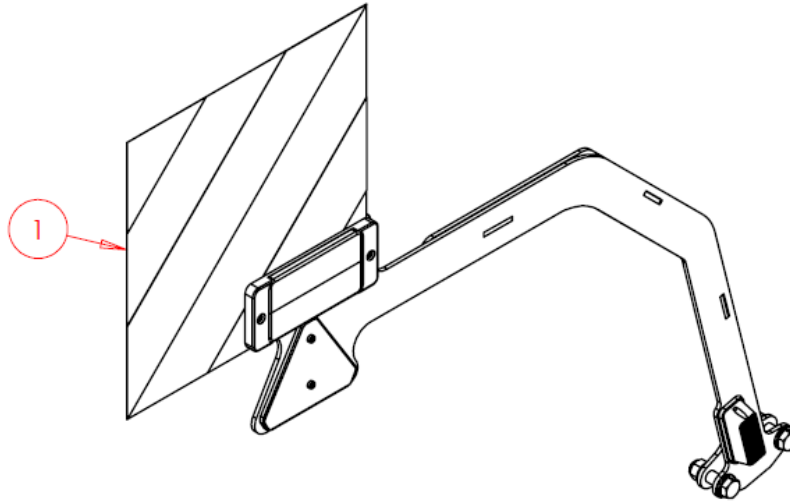
6.3.3.1 Front Hazard Boards



Left & Right-Hand Arrangement Required
(Left-Hand Bracket & Arrangement Shown)

Item No.	Part Number	Description	Qty
1	SW4622	Bracket LH	1
1	SW4621	Bracket RH (Not Shown)	1
2	SWB651	Hazard Board	2
3	SWM1025	M10x25 Screw	8
4	SWM10001	M10 Washer - Flat	8
5	SWM616	M6x16 Screw	6
6	SWM6001	M6 Washer - Flat	12
7	SWM6004	M6 Nut - Nylock	6

6.3.3.2 Rear Hazard Boards

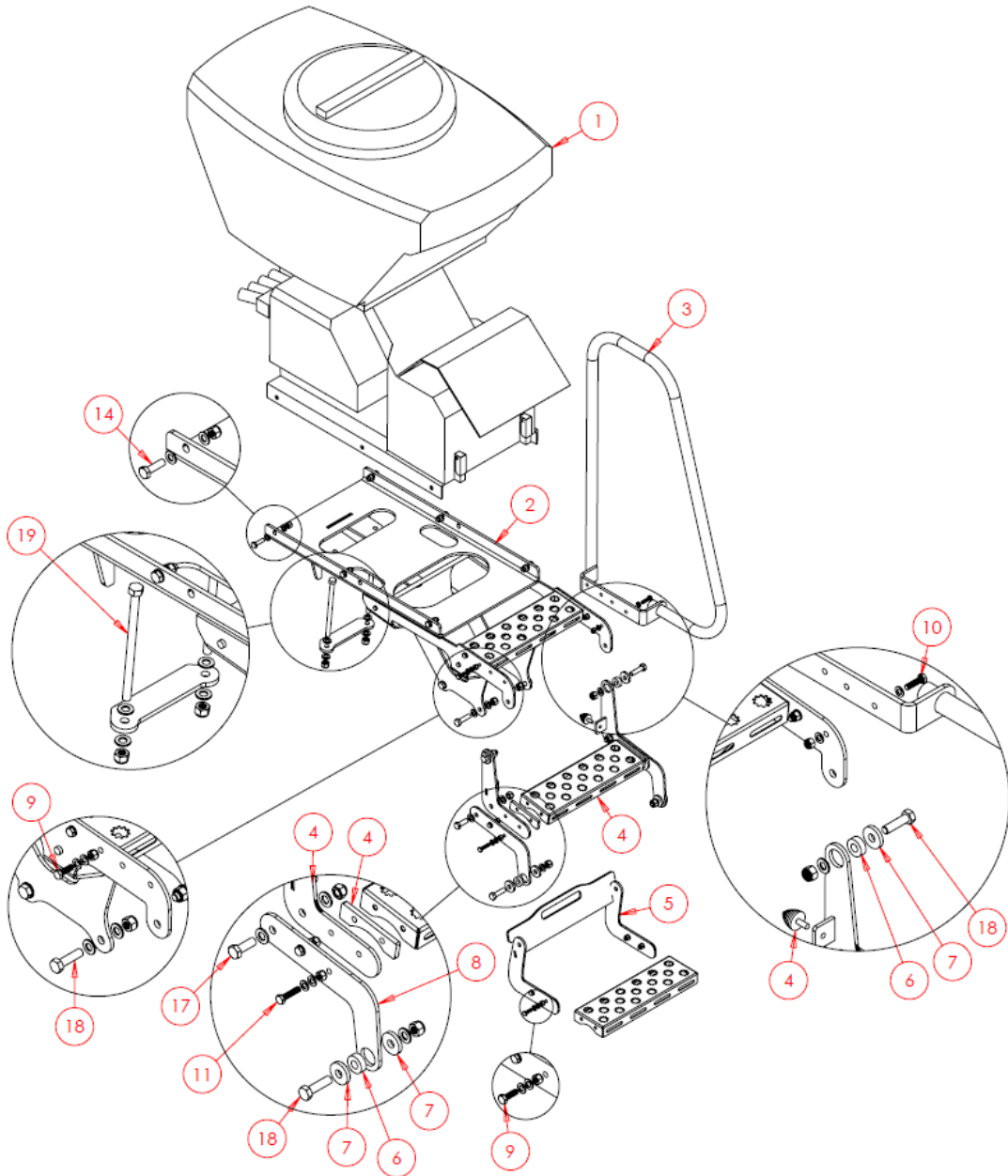


Item No.	Part Number	Description	Qty
1	SWB651	Hazard Board	2

6.3.4 Seeder Fitting Kit

6.3.4.1 Seeder Assembly

Note: Bottom step & link will be removed, if fitted with Trailed SDO option.



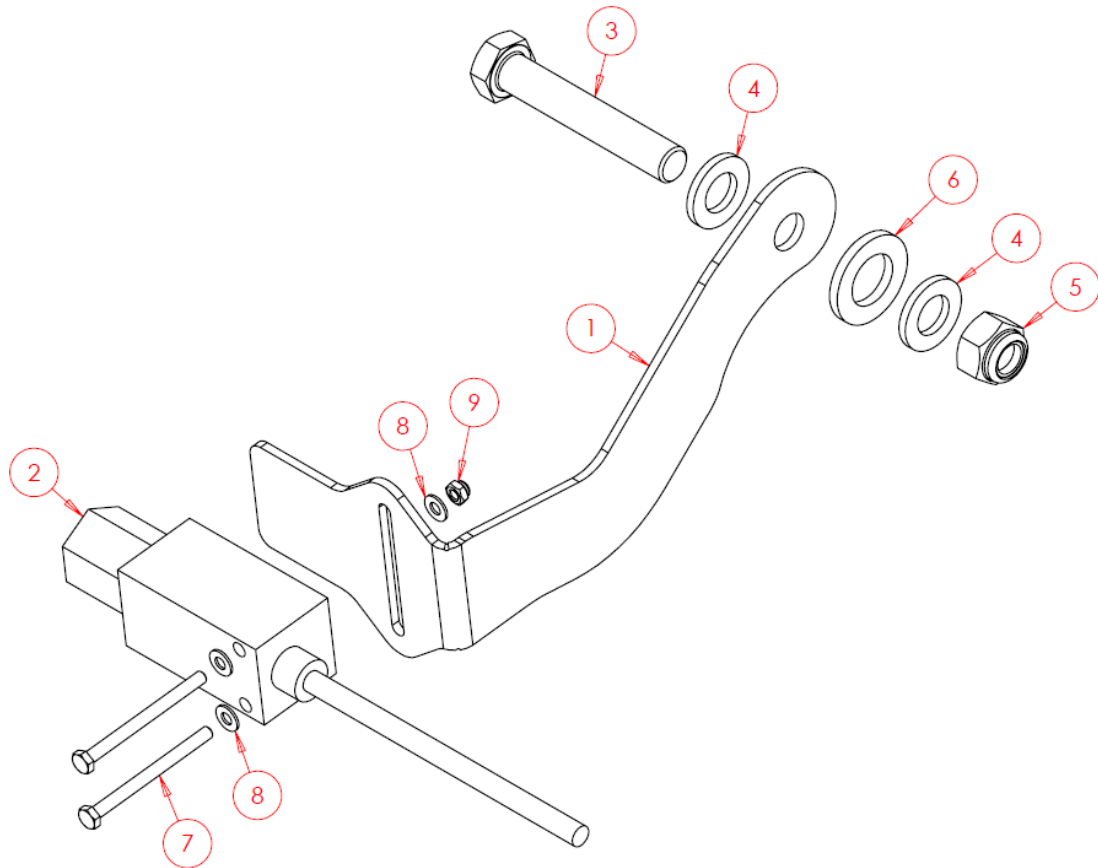
Complete Assembly - SWA2691

Item No.	Part Number	Description	Qty
1	Turbojet8	Turbojet i-CON 8	1
2	SWA2636	Seeder Mount & Top Step Complete	1
3	SWA2637	Handrail	1
4	SW1633	Middle Step Complete	1
5	SW1634 *	Bottom Step Complete *	1*
6	SWS23879	Spacer	4

7	SWS23880	Ex Large Washer	6
8	SWS24482 *	Bottom Step Link *	2*
9	SWM825	M8x25 Screw	6
10	SWM830	M8x30 Screw	4
11	SWM835	M8x35 Screw	4
12	SWM8001	M8 Washer - Flat	28
13	SWM8004	M8 Nut - Nylock	14
14	SWM1035	M10x35 Screw	6
15	SWM10001	M10 Washer - Flat	11
16	SWM10004	M10 Nut - Nylock	6
17	SWM1235	M12x35 Screw	2
18	SWM1245	M12x45 Screw	8
19	SWM12200	M12x200 Bolt	2
20	SWM12001	M12 Washer - Flat	20
21	SWM12004	M12 Nut - Nylock	12
	SW1290	Galvanised Step	3

* Not included with trailed SDO machines.

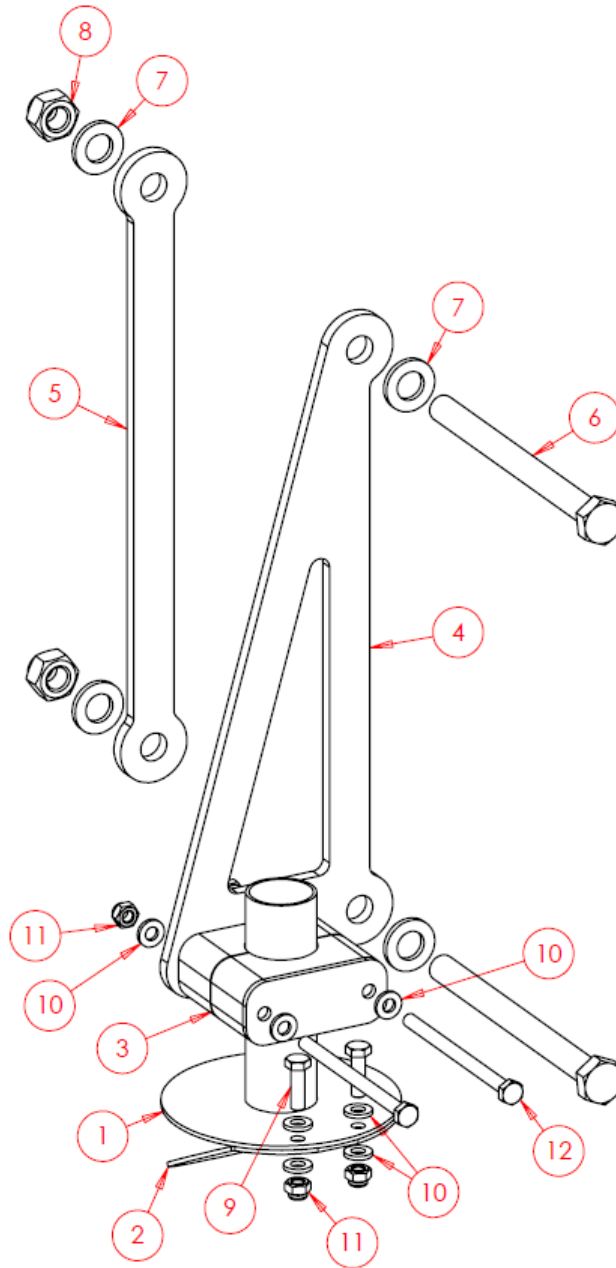
6.3.4.2 Finger Switch Assembly



Complete Assembly - SWA3150

Item No.	Part Number	Description	Qty
1	SW1176	Bracket	1
2	SWB850	Finger Switch	1
3	SWM1270	M12x70 Bolt	1
4	SWM12001	M12 Washer - Flat	2
5	SWM12004	M12 Nut - Nylock	1
6	SWM16001	M16 Washer - Flat	1
7	SWM450	M4x50 Screw	2
8	SWM4001	M4 Washer - Flat	4
9	SWM4004	M4 Nut - Nylock	2

6.3.4.3 Seeder Outlet Assembly



Item No.	Part Number	Description	Qty
1	SWA2607	Seeder Outlet	1
2	SW6357	Splash Plate	1
3	SWB1385	32mm Stauff Clamp	1
4	SW6427	Outlet Mounting Clamp - Front	1
5	SW6428	Outlet Mounting Clamp - Rear	1
6	SWM12140	M12x140 Bolt	2
7	SWM12001	M12 Washer - Flat	4
8	SWM12004	M12 Nut - Nylock	2



GROWING WITH YOU

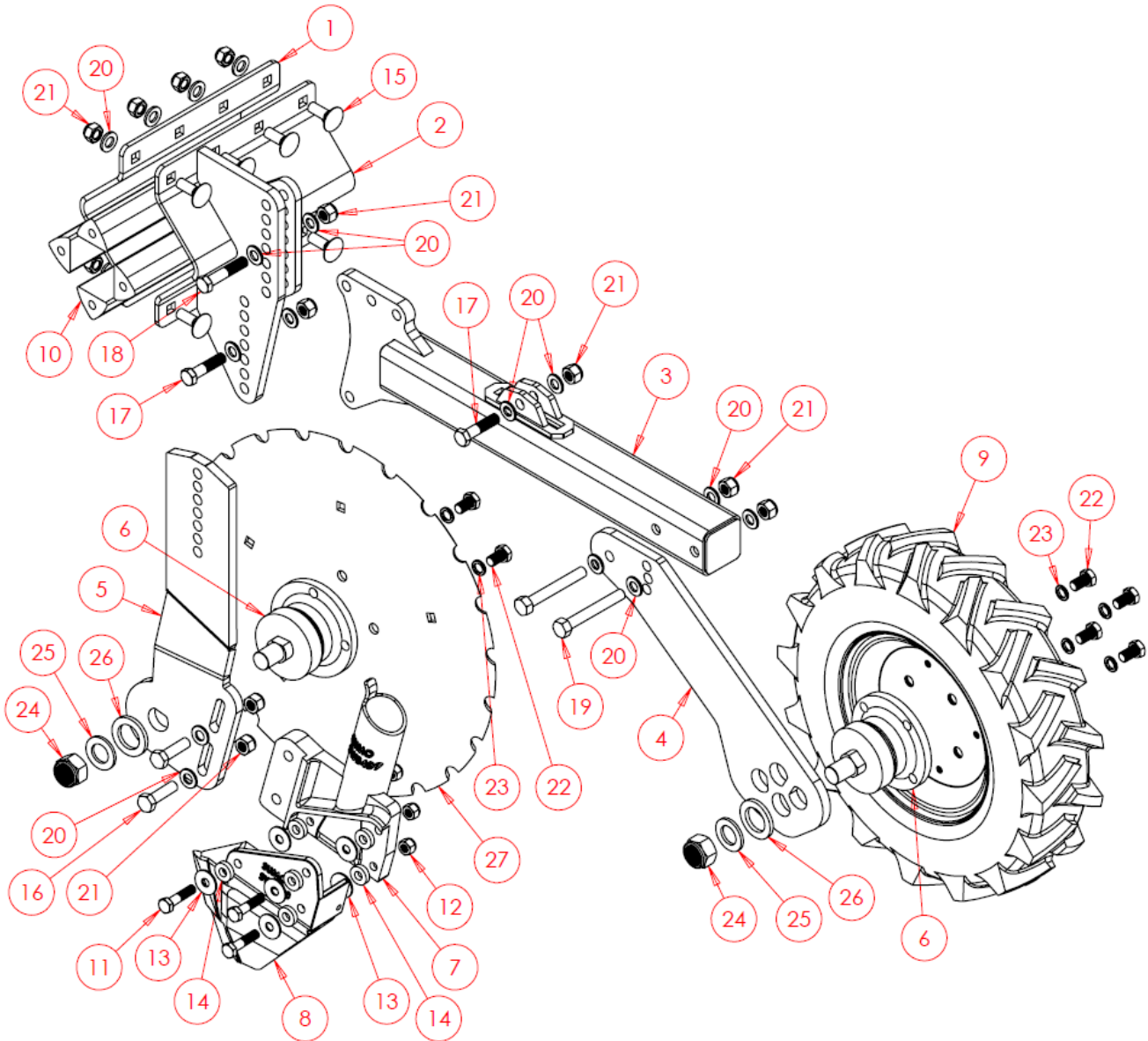
9	SWM620	M6x20 Screw	2
10	SWM6001	M6 Washer - Flat	8
11	SWM6004	M6 Nut - Nylock	4
12	SWM690	M6x90 Bolt	2
**	SWB344	Seed Hose	-

* Quantities above are per outlet, NOT per machine.

** Hose is typically sold in metres, provide desired cut length when requesting.

6.3.5 Trailed SDO Units

6.3.5.1 Standard SDO Arrangement



Complete Assembly – SWA1066

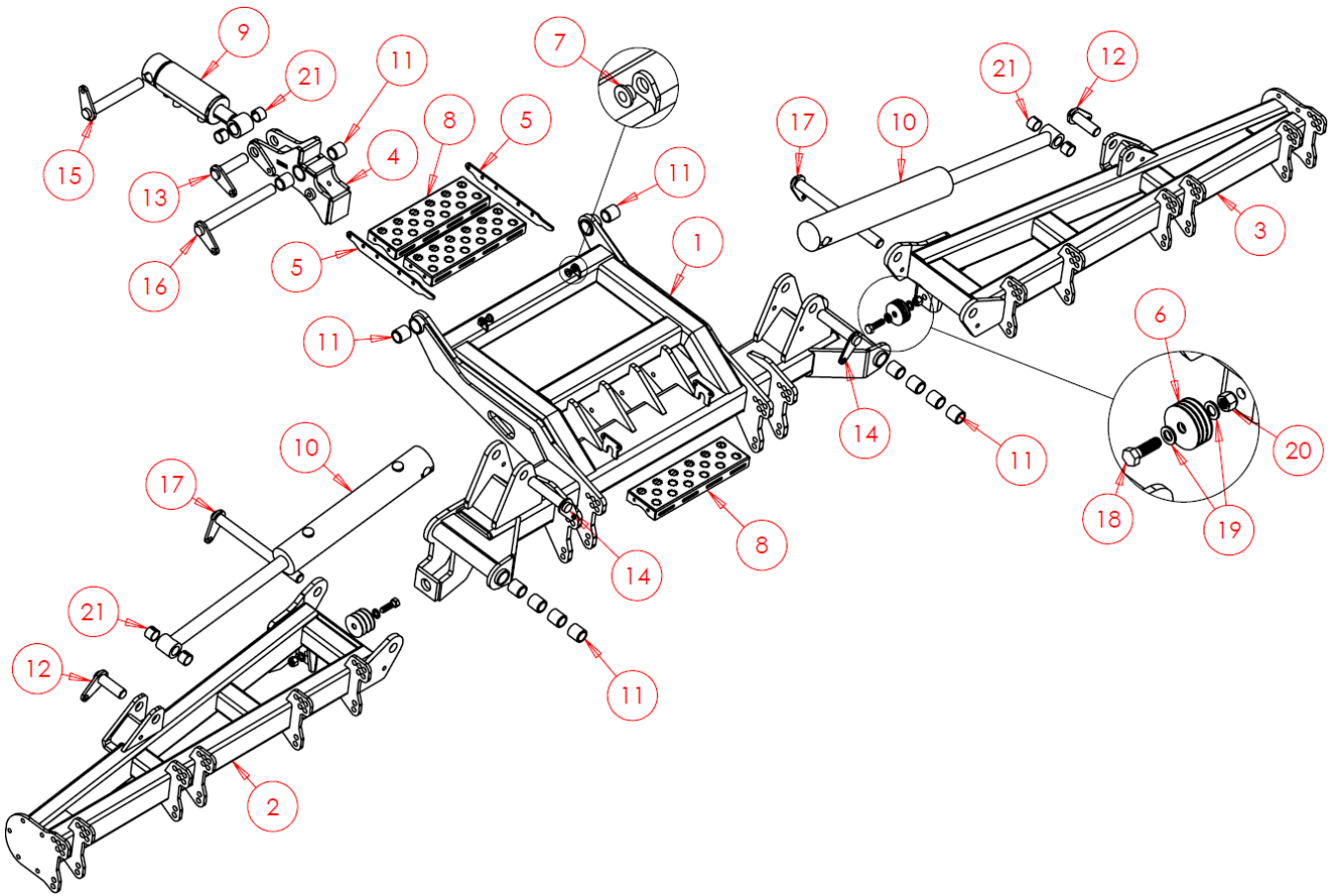
Item No.	Part Number	Description	Qty
1	SW107	Clamping Plate	1
2	SW3763	Hanger	1
3	SW3760	Main Body	1
4	SW3761	Press Wheel Body	1
5	SW3762	Coulter Leg	1
6	SWB399	Bearing	2
7	SWB489	Coulter Casting – Top Half	1

6.3.5.1 Standard SDO Arrangement- Continued

Complete Assembly – SWA1066 - Continued			
8	SWB490	Coulter Casting – Bottom Half	1
9	SWB452	Press Wheel *	1
10	SWB679	Rubber – Triangle	4
11	SWM1045	M10x45 Screw	3
12	SWM10004	M10 Nut – Nylock	3
13	SW3133	Stainless Steel Washer	3
14	SWB794	Rubber Washer	6
15	SWM1235CHSQ	M12x35 Cup Head Square Screw	8
16	SWM1245	M12x45 Bolt	2
17	SWM1250	M12x50 Bolt	2
18	SWM1260	M12x60 Bolt	1
19	SWM1290	M12x90 Bolt	2
20	SWM12001	M12 Washer – Flat	20
21	SWM12004	M12 Nut – Nylock	15
22	SWM1220FP	M12x20 Fine Thread Screw	8
23	SWM12002	M12 Washer – Spring	8
24	SWM222004FP	M22 Nut – Fine Thread Nylock	2
25	SWM22001	M22 Washer – Flat	2
26	SWM30001	M30 Washer – Flat	2
27	SWB442	450mm Disc	1

* Press wheels available either Air or Resin filled. Delays may be applicable upon selection.

6.3.5.2 Trailed SDO Unit – Base Machine



Item No.	Part Number	Description	Qty
1	SWA2298	Centre Toolbar	1
2	SWA2300	Wing LH	1
3	SWA2299	Wing RH	1
4	SWA2406	Extension Link	1
5	SWS21814	Trap Door Arm	2
6	SWS21815	Wing Shim	*
7	SW6236	Trapdoor Bush	2
8	SW1290	Galvanized Step	3
9	SWH328	Hydraulic Cylinder	1
10	SWH127	Hydraulic Cylinder	2
11	SWB1235	Self-Lubricating Bush	10
12	SWP30X90	Pin	2
13	SWP30X110	Pin	1
14	SWP30X140	Pin	2
15	SWP30X210	Pin	1
16	SWP30X290	Pin	1
17	SWP30X340	Pin	2

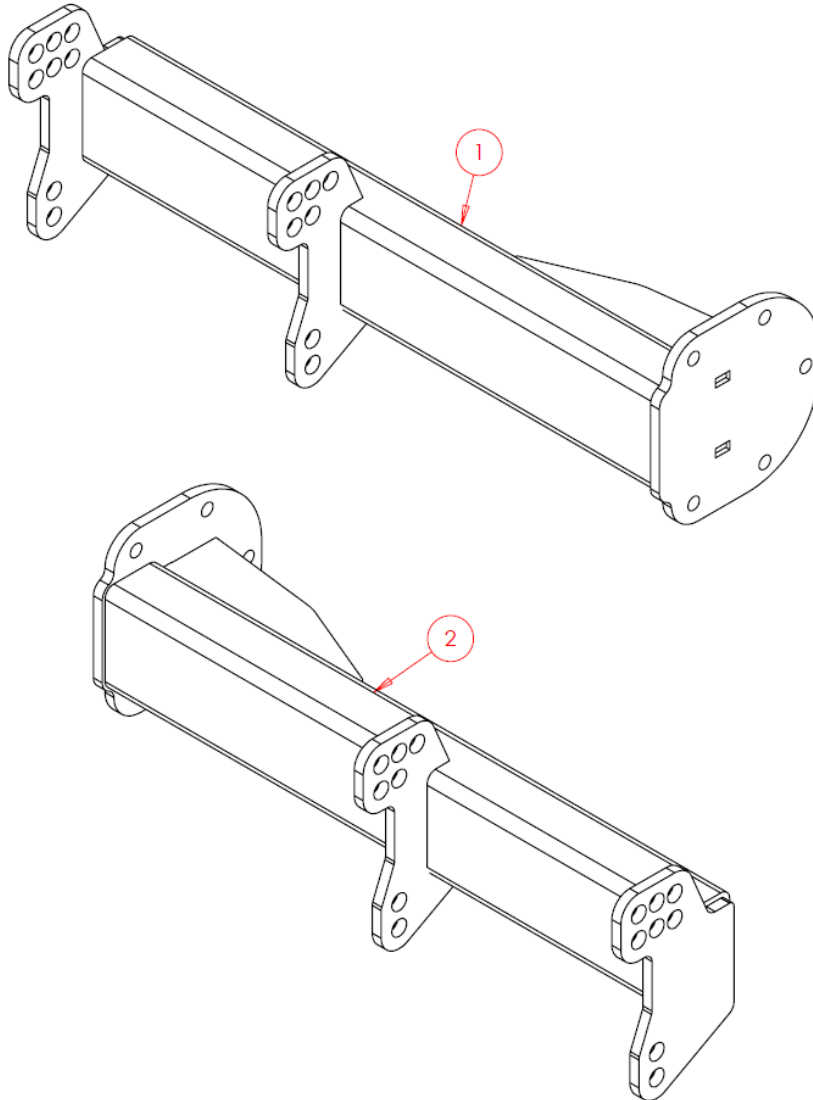


GROWING WITH YOU

18	SWM1650	M16x50 Bolt	2
19	SWM16001	M16 Washer - Flat	4
20	SWM16004	M16 Nut - Nylock	2
21	SWB374	Split Tension Bush	6

* Wing shim quantity is dependent on machine specific requirements.

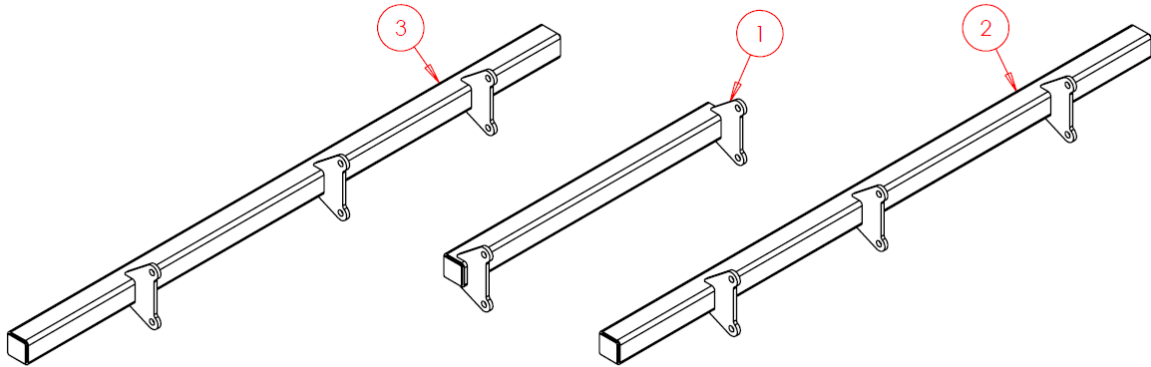
6.3.5.3 Trailed SDO Unit – Wing Extensions



Item No.	Part Number	Description	Qty
1	SWA2304	Wing Extension – Left	1
2	SWA2305	Wing Extension – Right	1
3	SWM1250	M12x50 Bolt *	10
4	SWM12001	M12 Washer – Flat *	20
5	SWM12004	M12 Nut – Nylock *	10

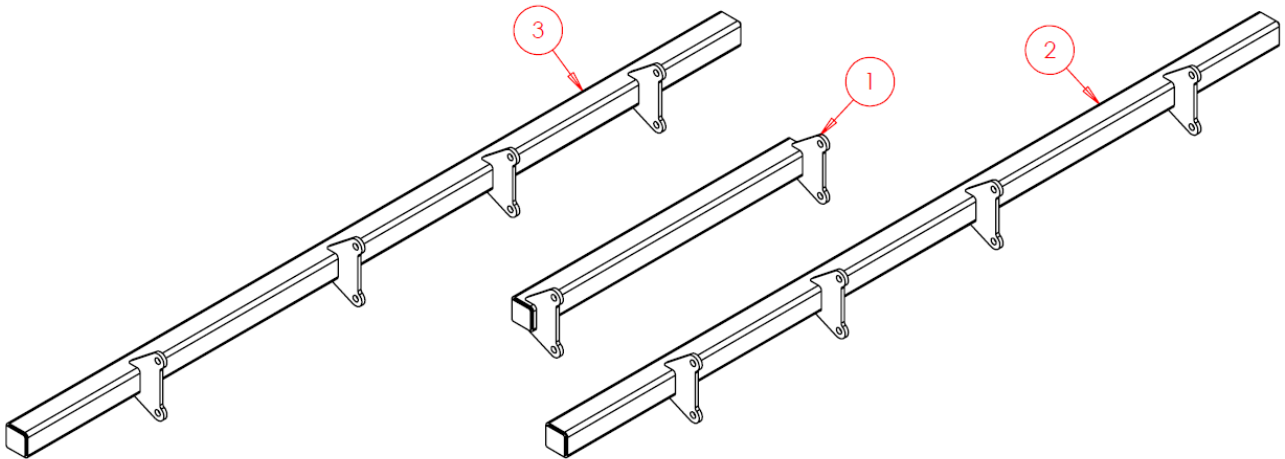
* Not Shown. Quantity is for complete machine.

6.3.5.4 Trailed SDO Unit - Rails - LDS5T Only



Item No.	Part Number	Description	Qty
1	SWA2956	Mounting Bar - Centre	1
2	SWA2958	Mounting Bar - Right	1
3	SWA2957	Mounting Bar - Left	1

6.3.5.5 Trailed SDO Unit - Rails - LDS6T Only



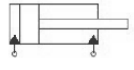

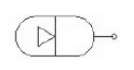
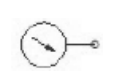

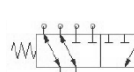

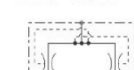
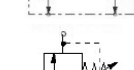
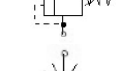
Item No.	Part Number	Description	Qty
1	SWA2956	Mounting Bar - Centre	1
2	SWA2959	Mounting Bar - Right	1
3	SWA2960	Mounting Bar - Left	1

6.3.6.1 Handbrake Kit – Continued

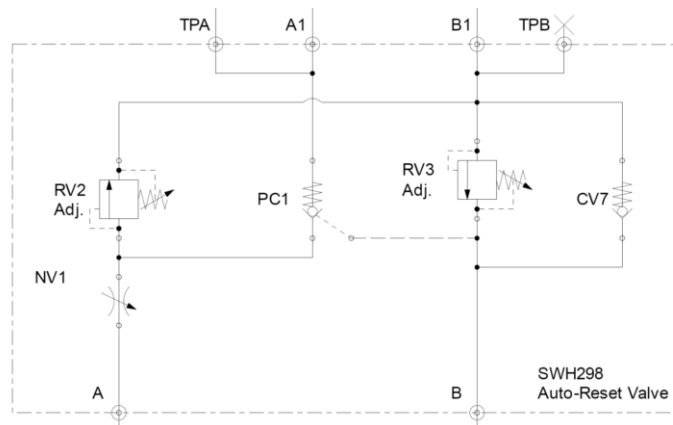
Complete Assembly – SWA1300			
Item No.	Part Number	Description	Qty
1	SWA1259	Brake Lever Carrier Bracket	1
2	SWS19737	Brake Lever	2
3	SWS19746	Slide Cover	1
4	SWS19743	Slide	1
5	SWA1301	Jockey Wheel Mounting Bracket	1
6	SWA1302	Amplifier Lever	1
7	SWA1304	Jockey Wheel	1
8	SW4639	Brake Spacer	4
9	SWS19799	Carrier Link	1
10	SWB1306	Self-Lubricating Bush	2
11	SWB1004	Self-Lubricating Bush	2
12	SW4641	Roller	2
13	SWS24769	Ex Large Washer	2
14	SW4647	Spacer Tube	1
15	SW2460	Ex Large Washer	1
16	SWB1188	Shaft Collar	2
17	SWA1303	Pulling Rod	1
18	SWB1174	Return Cable – 500mm	1
19	SWB1183	Transition Cable – 600mm	2
20	SWM10X12X40SSB	M10x12x40 Bolt	1
21	SWM1025	M10x25 Screw	8
22	SWM10001	M10 Washer – Flat	9
23	SWM10004	M10 Nut – Nylock	1
24	SWM12100	M12x100 Screw	4
25	SWM12001	M12 Washer – Flat	8
26	SWM12004	M12 Nut – Nylock	4
27	SWM1640	M16x40 Screw	2
28	SWM1680	M16x80 Bolt	1
29	SWM16001	M16 Washer – Flat	3
30	SWM16004	M16 Nut – Nylock	1
31	SWM20150UB	M20x150 U Bolt	2
32	SWM20001	M20 Washer – Flat	4
33	SWM20004	M20 Nut – Nylock	4

7. Hydraulic Function Diagrams

Standard Symbols Key:

	=	Double Acting Cylinder
	=	Single Acting Cylinder
	=	Accumulator
	=	Pressure Gauge
	=	Quick Release/Check Valve
	=	Six Way Changeover Valve
	=	Ball Valve
	=	Flow Divider/Combiner
	=	Pilot Operated Relief Valve
	=	Flow Restrictor

Auto Reset Valve:



7.1 LDS5T - Hydraulic Function Schematic

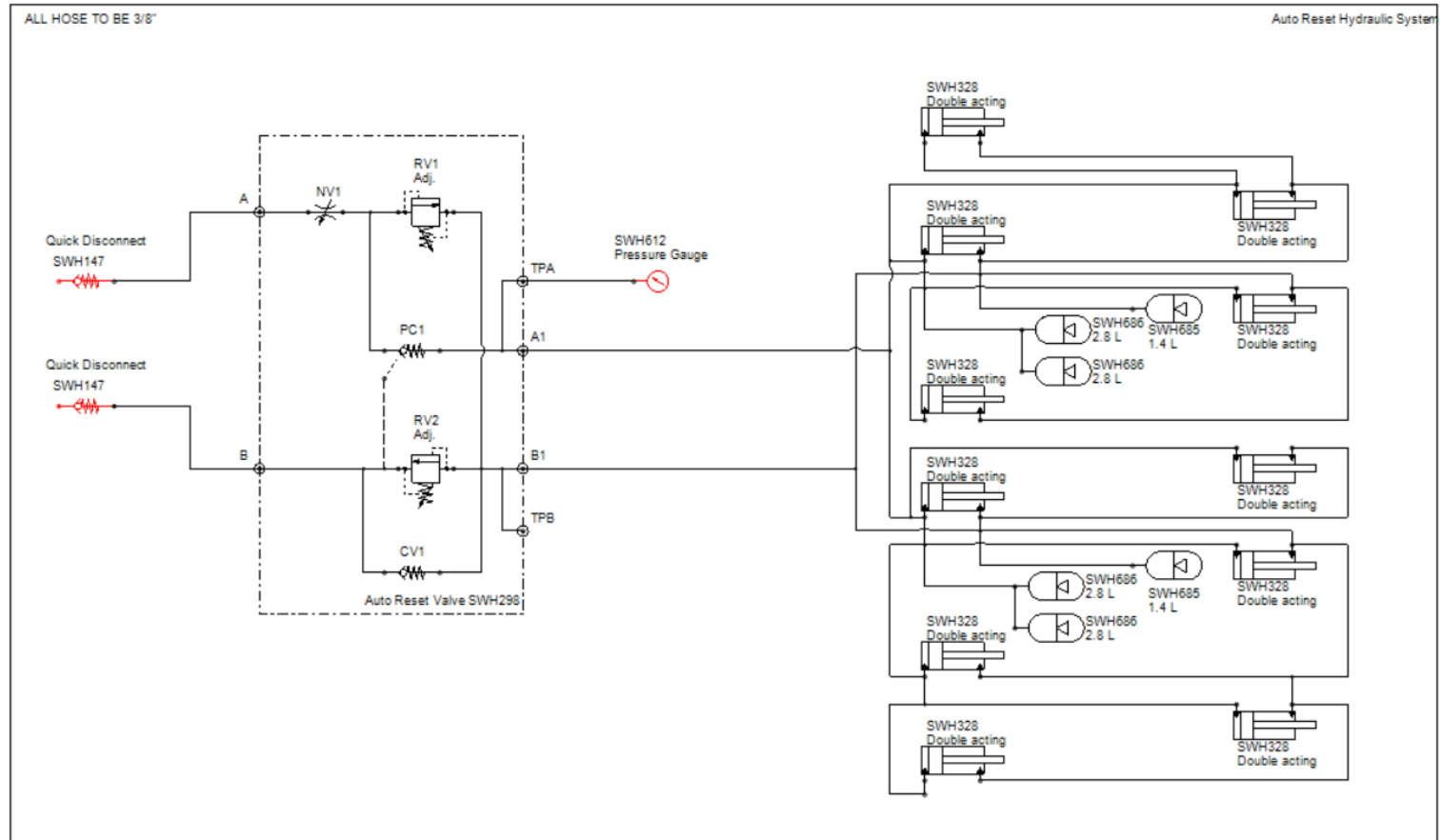


Illustration 1: SWHS – Hydraulic Schematic LDS5T

7.2 LDS6T - Hydraulic Function Schematic

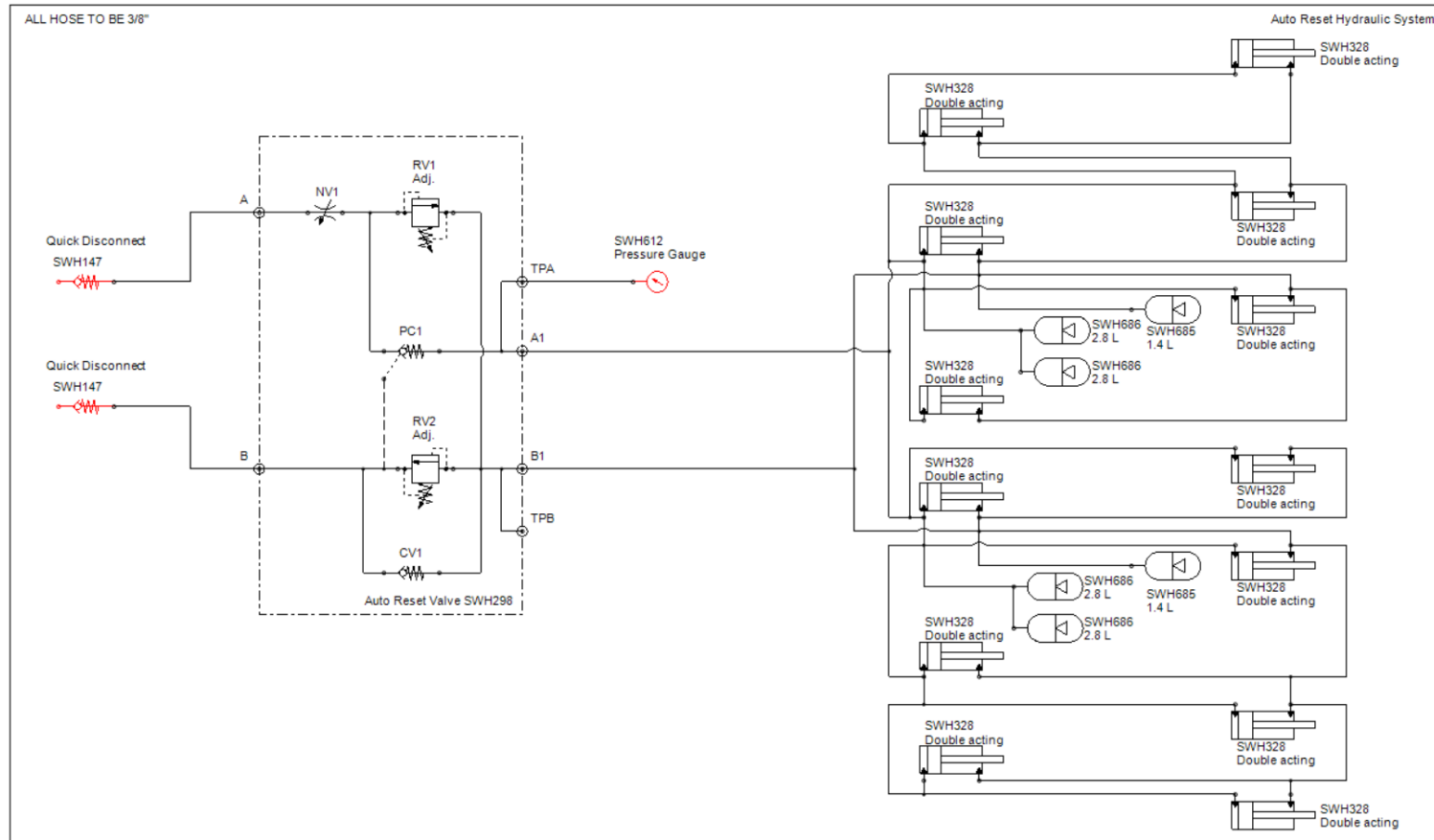


Illustration 2: SWHS - Hydraulic Schematic LDS6T

7.3 Wing System (LDS5T & LDS6T) – Circuit Hydraulic Schematic

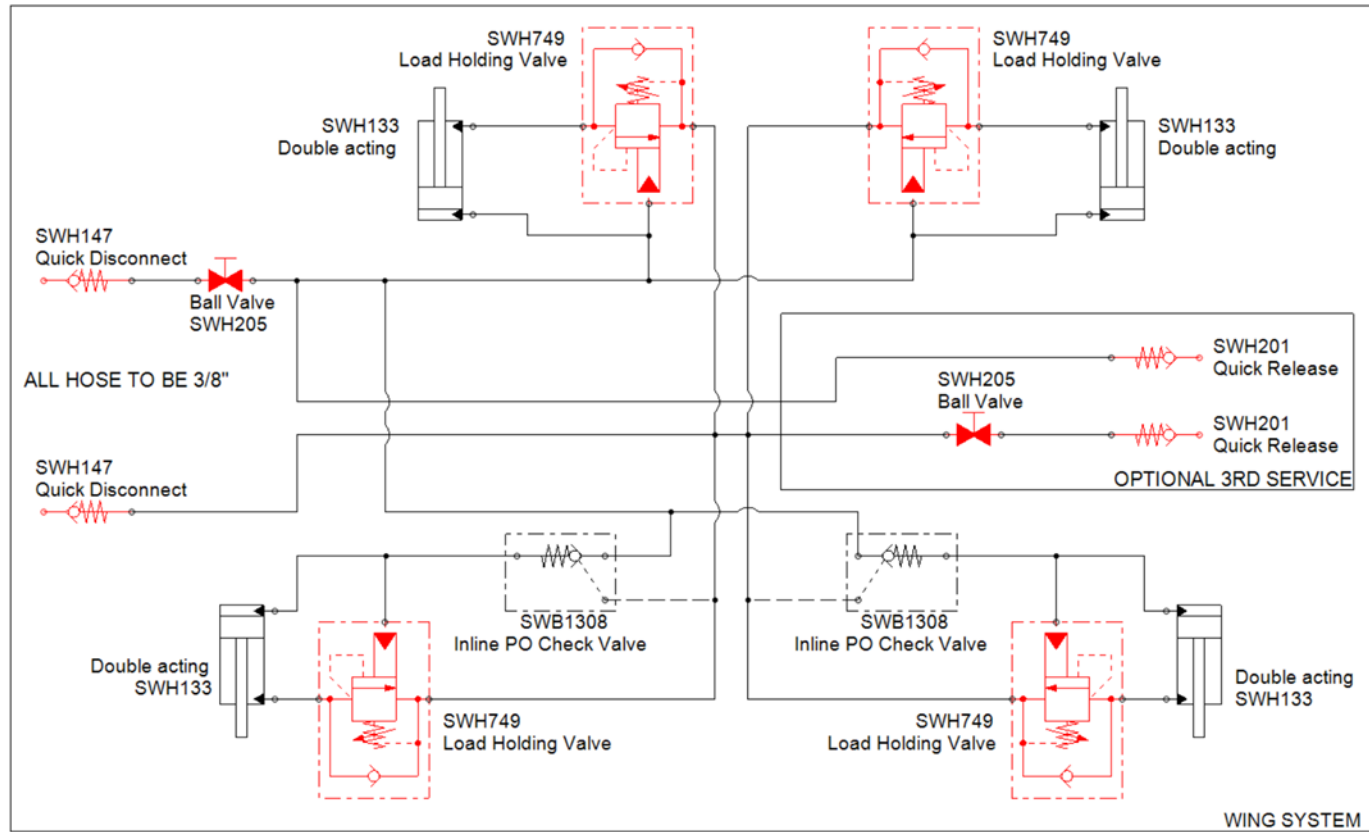


Illustration 3: Details from SWHS & SWHS – Wing System Circuit Hydraulic Schematic

7.4 Drawbar Hydraulic System (LDS5T & LDS6T) With Optional Rear Drawbar – Circuit Hydraulic Schematic

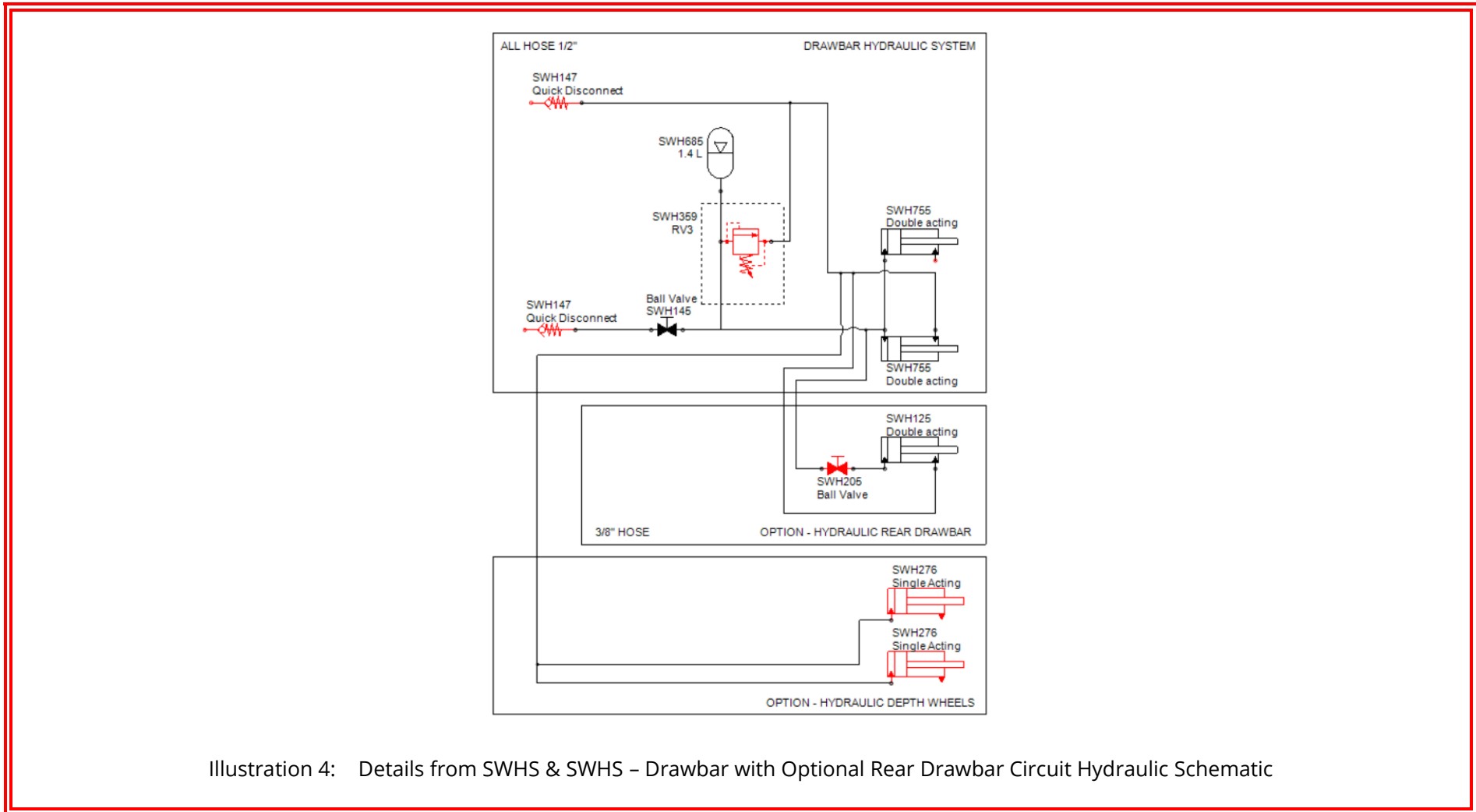
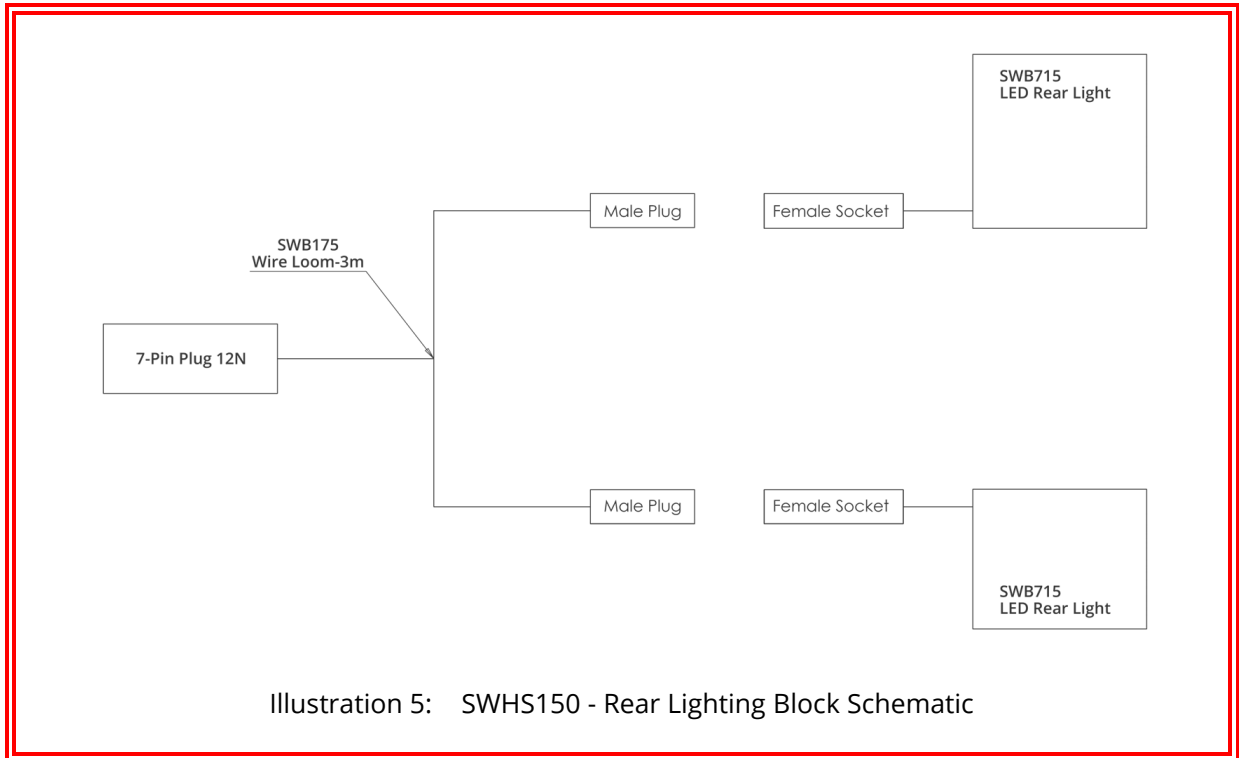


Illustration 4: Details from SWHS & SWHS – Drawbar with Optional Rear Drawbar Circuit Hydraulic Schematic

8. Electrical Schematics



9. Standard Torque Values

Non-Standard torque values will appear in the parts book section of this document.

Standard Toque Values (Nm) (Unless Otherwise Stated)			
Thread	Grade 8.8	Grade 10.9	Stainless Steel
M6	10	14	7
M8	25	36	17
M10	50	70	33
M12	86	121	57
M16	215	314	140
M20	410	580	273
M24	710	1000	472
M30	1400	1450	930

For any arrangement using Nord-Lock washers, see Nord-Lock website:

[Torque Guide for Nord-Lock Washers - Nord-Lock Group](#)