

M6

Skid mounted road sweeper

FAYAT



Illustrated Parts Catalogue



SCARAB ♦ Leave nothing behind

Parts Book

M6

with CANbus 3.1 Control System

Manual No. SCAZ043095

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Important Notice To Users

This manual is published by the Technical Publications Department of Scarab Sweepers Limited and every effort is made to ensure that the information it contains is correct at the time of publication. Due to a policy of continuous development, however, the Company reserves the right to alter the specification and to supply when so altered without reference to illustrations and descriptions in this manual.

Parts depicted or mentioned in this manual may or may not be fitted to your particular road sweeper due to various options that may or may not have been selected and does not therefore infer that the part should be fitted to your particular road sweeper or is missing. If in doubt then please contact the Scarab Parts Department for clarification.

It is imperative that the correct model is FULLY identified when procuring replacement parts for your Scarab Sweeper. To avoid unnecessary confusion and delays caused by incorrectly ordered parts, please refer to the Vehicle Serial Number (CE) Plate and take note of the vehicle's number.

i The Serial Number Plate is located on the left hand side of the subframe, below the hydraulics cabinet door.

The example shown here is for guidance only.



	Scarab Road Surface Cleaner www.scarab-sweepers.com		Scarab Sweepers Limited Pattenden Lane, Marden, Tonbridge, Kent. TN12 9QD, England.	
	Type			
	Serial Number			
Year of Manufacture				

This information **MUST** accompany **EVERY** parts order to ensure that the correct parts are supplied.

How To Use This Illustrated Parts Catalogue

Introduction

This Illustrated Parts Catalogue has been organised to facilitate ease of use when identifying and procuring replacement parts for the Scarab Sweeper.

The information content has been arranged in a logical manner by creating a number of separate sections, each dealing with a specific aspect or sub-system of the machine, complete with its own table of contents. Where relevant, cross-references from one section to another have been included to enable the user to quickly navigate to the information that gives the required level of detail.

Using The Parts Lists

The breakdown structure within each parts list reflects the inter-relationship of the various components in an assembly.

The order of information (L to R) is: Item/Part No./Quantity/Description.

The first item on a parts list, is the description of the main assembly in question, is shown in bold, thus:

Description of Main Assembly

The succeeding parts generally fall into two categories, namely attaching parts i.e. bolts, screws, nuts, washers etc. or breakdown parts i.e. assemblies/sub assemblies and/or piece parts.

Item Numbers

Item numbers are used to cross-refer items from the parts lists to their associated illustrations and vice-versa, except for, attaching parts.

If the illustration of an item is superfluous, then the item number will be listed as not illustrated:- **NI**.

Part Numbers

Not every item will have a part number associated with it because it might be an assembly that is broken down into its components else where or there might be different versions of that item described elsewhere.

Quantities

When a parts quantity has been marked with **AR** then this means *as required*, for example hose lengths may differ slightly due to the route taken, or you may have one or more of a given part then the quantity will be *as required* due to the quantity of said part that is fitted to a particular sweeper configuration.

PDF Version

The PDF version of this manual has been created to open like you would the real manual with two pages per view, so do not click the one page per view button otherwise it makes it harder to read. It will include bookmarks to each chapter and links to other sections from components that are also referenced elsewhere to make navigation throughout the manual easier.

Warranty Statement

1. Scarab Sweepers Limited (hereinafter referred to as the Company) warrants that (subject to the other provisions of the published Terms and Conditions of Sale - available upon request) upon delivery and for a period of 12 months from the date of actual delivery, or 2,000 running hours from the date of actual delivery whichever is sooner, the Goods correspond with their specification at the time of delivery, and will be free from defects in materials and workmanship.
2. The Company does not warrant the condition or quality of any used Goods supplied to the Customer, or other truck manufacturers' chassis cab content or to the auxiliary engine fitted in the Scarab Sweeper or to any other component not manufactured by the Company and any such warranty claims must be submitted to the manufacturer of that component, or their locally appointed agent.
3. The Company shall not be liable for a breach of any of the warranties in condition 1 unless the Customer gives written notice of the defect to the Company, and (if the defect is as a result of damage in transit) to the carrier, within 7 days of the time when the Customer discovers or ought to have discovered the defect.
4. The Company shall not be liable for a breach of any of the warranties in condition 1 if the Customer makes any further use of such Goods after giving such notice, the defect arises because the Customer failed to follow the Company's oral or written instructions as to the storage, installation, commissioning, use or maintenance of the Goods or (if there are none) good trade practice, or the Customer alters or repairs such Goods without the written consent of the Company, or uses non genuine parts to effect a repair.
5. The following consumable items listed are excluded from the Company warranty:
 - all fuel oils,
 - antifreeze,
 - all brush link pivots and bushes,
 - wander hoses, suction nozzles,
 - body inlet ducts, wearing plates,
 - high pressure water pump piston seals and valves,
 - door seals,
 - inlet seals,
 - batteries,
 - tyres,
 - all brushes,
 - lift cables,
 - rubber skirts,
 - suction nozzle wheels,
 - flap trunking,
 - deflectors,
 - screens flaps or blanking plates,
 - water pump diaphragm valves and water jets,
 - all filter strainers and elements,
 - windows,
 - glass mirrors,
 - light bulbs,
 - fuses,
 - brake lining pads,
 - auxiliary drive belts and any other part normally regarded as consumable.
6. Any parts replaced under the terms of this warranty will be covered by the unexpired portion of this warranty.
7. Subject to conditions 3 and 4, if any of the Goods do not conform with any of the warranties in condition 1 the Company shall at its option repair or replace such Goods (or the defective part) or refund the price of such Goods at the pro rata Contract rate provided that, if the Company so requests, the Customer shall, at the Customer's expense, remove the defective Goods or part of such Goods and return the Goods or the part of such Goods which is defective to the Company. Parts replaced under warranty will be delivered by the Company FOB port of exportation.
8. If the Company complies with the terms contained in this statement it shall have no further liability for a breach of any of the warranties in condition 1 in respect of such Goods.
9. No representative or agent of Scarab Sweepers Limited has the authority to add or to vary these Warranty Conditions except with the Company's official confirmation in writing from Scarab Sweepers Limited, head office in Marden Kent, England.

For further information, please refer to the Company's Terms & Conditions of Sale. In the event of conflict between this Warranty Statement and the Company's Terms & Conditions of Sale the latter will prevail.

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Controls

Description

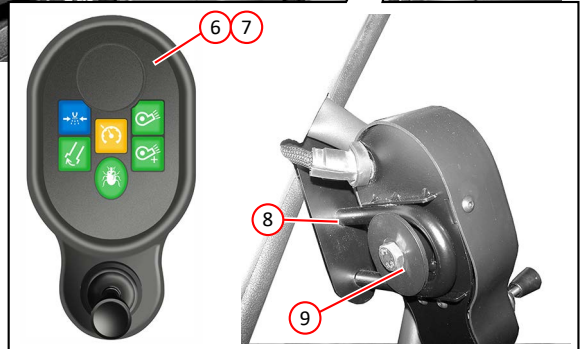
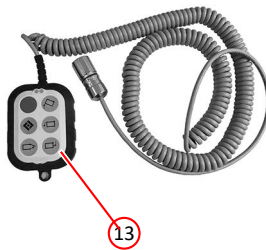
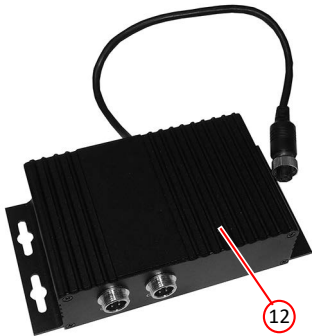
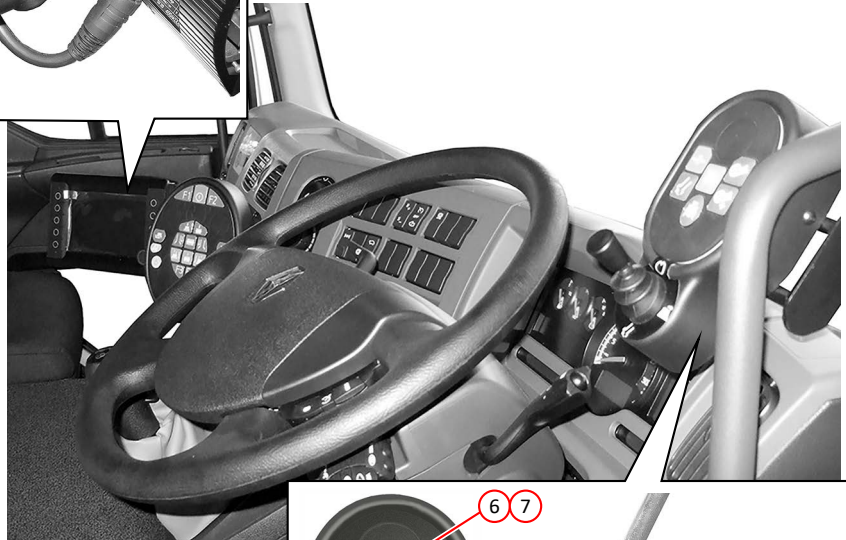
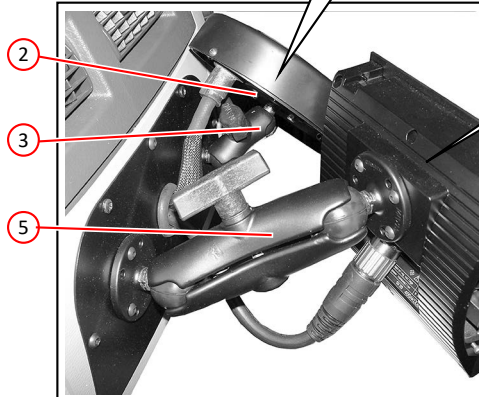
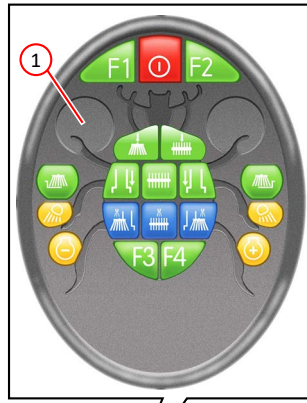
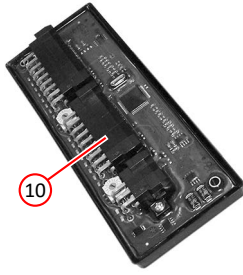
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<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Cab Items - Controls - CANbus v3.1			
1	036803	1	Main control panel, complete including mount Page 208
2	037055	1	. Fixing plate, enclosure, main control panel
	000346	1	. . Screw, socket button head, M5 x 16mm
	000155	1	. . Nut, M5, Nyloc
3	032108	1	. Adjustable panel mount
NI	036912	1	. Loom, main control panel Page 212
NI	036914	1	. . Loom, main control panel, power Page 212
4	042882	1	Display screen, CANbus v3.1 (programmed) Page 208
NI	036916	1	. Loom, display screen Page 212
NI	040353	1	. Loom, power supply, rear camera Page 40, 212
NI	040355	1	. Loom, rear camera Page 40, 212
5	032108	1	. Adjustable panel mount
6	037606	1	Auxiliary controller, (door pod), Left Hand Complete Page 208
7	037607	1	Auxiliary controller, (door pod), Right Hand, Complete. Page 208
NI	036913	1	. Loom, auxiliary controller, (door pod) Page 212
NI	036915	1	. . Loom, auxiliary controller, power, (door pod) Page 212
8	*	1	. Bracket, mounting, auxiliary controller (door pod)
9	037064	1	. Clamp, fixing plate
NI	038013	1	Loom, cab Page 212
10	036799	3	Node, cabinet module (CR2012) Page 208
NI	*	AR	. Bracket, mounting, cabinet module
11	037048	1	Sounder (for keypad) Page 213
12	041534	1	Camera splitter unit Page 213
13	044294	1	Hopper remote controller, complete with holster Page 208

Notes:-

* These fittings are subject to the chassis/cab they are being installed on. Please contact Scarab Parts Department for further information.



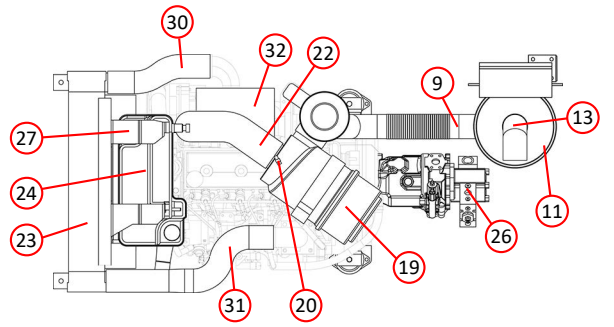
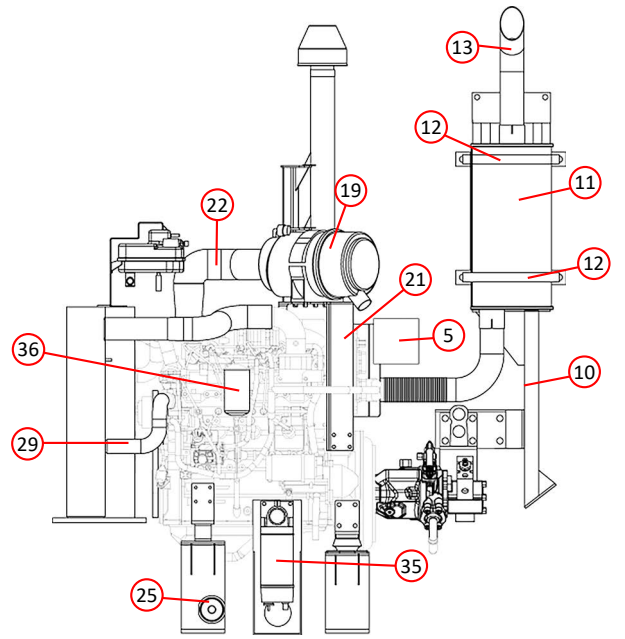
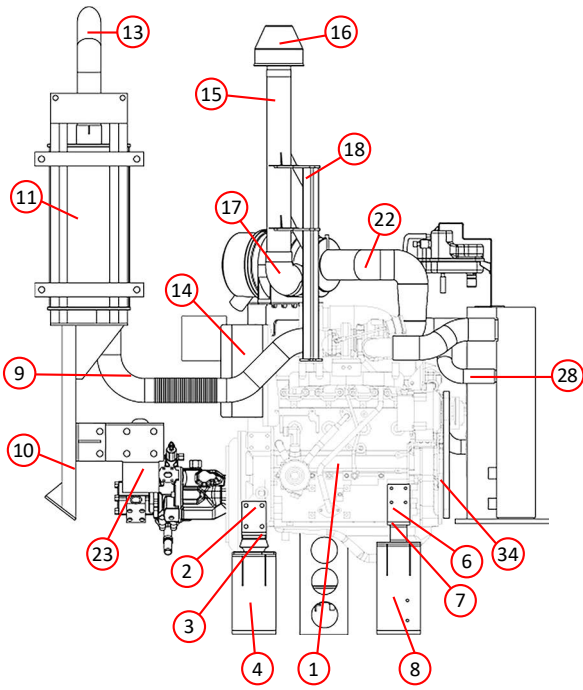
Auxiliary engine

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Item	Part Number	Quantity	Description
Auxiliary Engine General Arrangement			
1	*	1	Cummins QSB3.3 Auxiliary Engine
2	033615	2	. Engine mounting bracket, rear
3	030724	2	. . Engine mount, rear
4	033527	1	. . Support cradle, rear
NI	040602	1	. . . Frame, junction box and fuel filter
5	037308	1	. . . . Enclosure, battery junction box Page 210
6	033614	2	. Engine mounting bracket, front
7	013409	2	. . Engine mount, front
8	033523	1	. . Support cradle, front
9	035356	1	. Down pipe, exhaust
	036831	1	. . U Clamp 83mm
10	034372	2	. . Mounting bracket, exhaust
11	035357	1	. . Silencer, exhaust
12	033240	2	. . . Strap, silencer
	011075	2	. . . . Nut, M10, Nyloc
	011094	2	. . . . Washer, M10
13	035358	1	. . Tail pipe, exhaust
	036831	1	. . . U Clamp 83mm
14	033698	1	. . Heat shield, exhaust
15	040603	1	. Air intake stack (WK8239 onwards)
16	036022	1	. . Cap, air stack
17	025550	1	. . Elbow, air stack, rubber
18	040604	1	. . Bracket, air stack
	036831	1	. . U Clamp 83mm
	011064	2	. . . Bolt, high tensile, M12 x 110mm
	011096	4	. . . . Washer, M12
	011077	2	. . . . . Nut, M12, Nyloc
NI	012931	1	. . . Clamp, worm drive, 70-90mm
19	025279	1	. Air box
20	030875	1	. . Sender, air filter blocked
NI	034343	1	. . . Elbow, sender, air filter blocked
NI	025280	1	. . Element, air filter
NI	025281	1	. . Safety element, air filter
21	038019	1	. . Support, air box
NI	041064	1	. . Brace, air box support
NI	041065	2	. . Bobbin mount, male/male, M8
22	033594	1	. Pipe, air inlet
23	034954	1	. Expansion tank Page 172
24	040605	2	. . Bracket, expansion tank
NI	039932	4	. . . Fastener, anti-vibration, M8
	011012	4	. . . . Setscrew, high tensile, M8 x 30mm
NI	036678	1	. . Support plate, expansion tank
25	025103	1	. Filter, hydraulic, high-pressure Page 190
26		1	. Pump, hydraulic, arrangement Page 184
27	033711	1	. Radiator, combined oil and intercooler Page 172
28	033593	1	. . Hose, radiator
NI	003006	2	. . . Clamp, worm drive, 35 - 50mm
29	033592	1	. . Hose, radiator
NI	012927	2	. . . Clamp, worm drive, 40 - 55mm
30	033590	1	. Hose, intercooler 'A'
NI	005112	4	. . Clamp, worm drive, 60 - 80mm
31	033591	1	. Hose, intercooler 'B'
32	033699	1	. Cover, turbo unit
NI	033703	1	. . Bracket, turbo unit cover
33	034959	1	. Filter, oil
34	034961	1	. Belt, alternator
35	036195	1	. Filter, pre-fuel
36	034960	1	. Filter, fuel

Notes:-

* Please contact Scarab Parts Department regarding this engines.

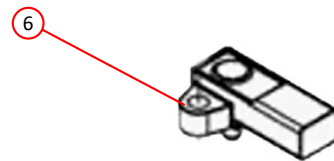
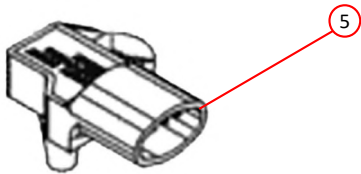
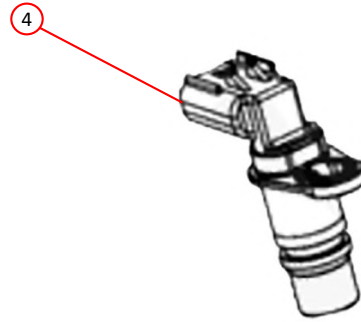
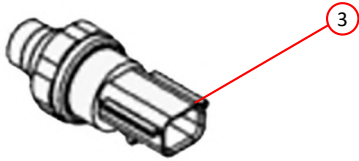
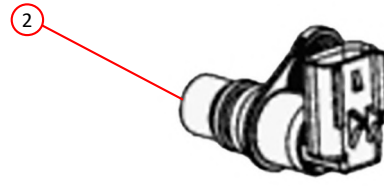
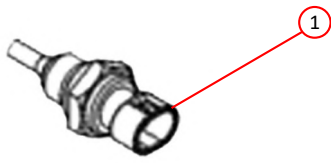


AUXILIARY ENGINE - GENERAL ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Cummins Replacement Parts and Sensors *			
NI	034959	1	Oil filter
NI	034960	1	Fuel filter
NI	034961	1	Alternator belt
NI	036195	1	Pre-fuel filter
NI	038220	1	Starter Motor
1	039082	1	Temperature sender
NI	039084	1	Thermostat kit
NI	039085	1	Dipstick
NI	039086	1	Water pump kit
NI	039087	1	Alternator
2	039088	1	Position sensor, cam or crank, 2872277
3	039089	1	Oil pressure switch
4	039090	1	Position sensor, cam or crank, 2872279
5	039091	1	Intake manifold pressure temperature sensor
NI	039092	1	Wiring harness
6	039093	1	Ambient air pressure sensor

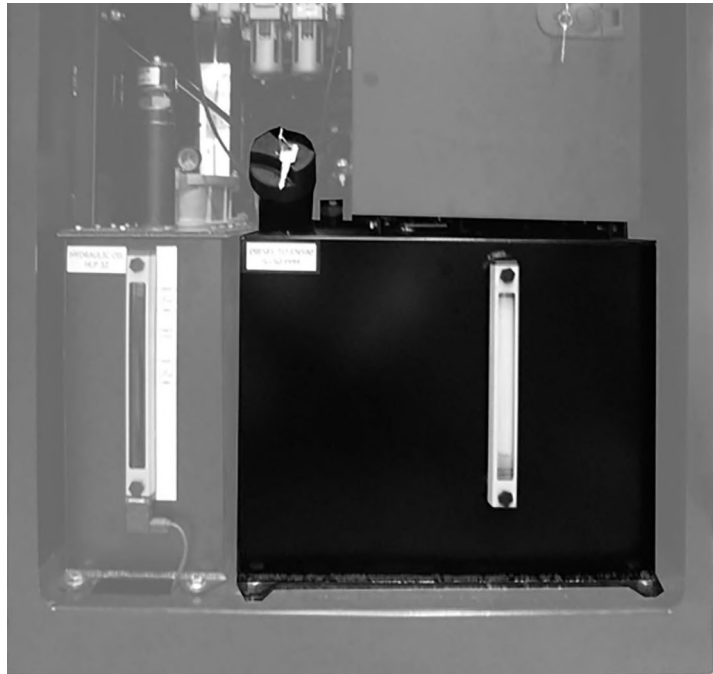
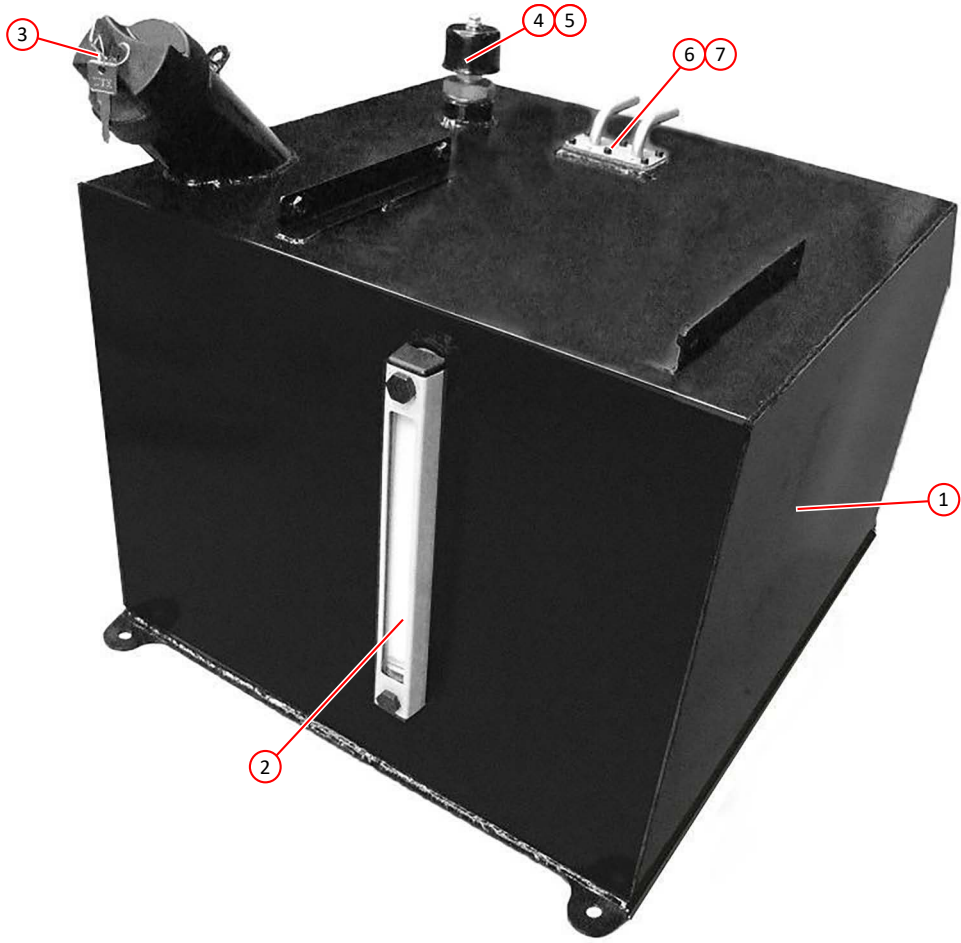
Notes:-

* Please contact Scarab Parts Department regarding the Cummins engines and it's associated parts due to differing engines for different parts of the world.
 Information relating to parts for the Cummins QSB3.3 Auxiliary Diesel Engine can be obtained from the following web site: <https://quickserve.cummins.com/info/index.html>



CUMMINS ENGINE SENSORS

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Diesel Fuel Tank and Associated Components			
1	034324	1	Diesel fuel tank 120 Litre Page 24
2	032662	1	. Gauge, fuel level
NI	021979	2	. . Washer, rubber
3	033228	1	. Cap, fuel, and key
4	020688	1	. Breather
5	020689	1	. . Plug, breather "
NI	011156	1	. . . Seal, Dowty, 1 BSP
6	034604	1	. Fuel feed/return unit
7	031189	1	. . Gasket, fuel feed/return unit
NI	000142	6	. . Screw, cap head, M4 x 15mm
NI	011243	1	. Plug, $\frac{1}{2}$ BSP
NI	011154	1	. . Seal, Dowty, $\frac{1}{2}$ BSP
NI	031150	1	. Non-return valve, fuel



FUEL TANK AND ASSOCIATED COMPONENTS

<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Auxiliary Engine - Service Kits		
034962 First Service (250 Hours)		
034959	1	Filter, Engine Oil
034960	1	Filter, Fuel
025280	1	Filter, Main Air
025281	1	Filter, Safety Main Air
013125	1	Filter, Hydraulic Return
025104	1	Filter, Hydraulic, High Pressure
036195	1	Filter, Pre-fuel
005001	2	Oil, Engine, 7.4 litres
005007	1	Grease
034963 250 Hour Service (Every) *		
034959	1	Filter, Engine Oil
034960	1	Filter, Fuel
025280	1	Filter, Main Air
036195	1	Filter, Pre-fuel
005001	2	Oil, Engine, 7.4 litres
005007	1	Grease
034964 2000 Hour Service (Every/Annually) **		
034959	1	Filter, Engine Oil
034960	1	Filter, Fuel
025280	1	Filter, Main Air
025281	1	Filter, Safety Main Air
013125	1	Filter, Hydraulic Return
025104	1	Filter, Hydraulic Pressure
020687	1	Filter, Suction
036195	1	Filter, Pre-fuel
005001	2	Oil, Engine, 7.4 litres
005007	1	Grease
034961	2	Belt, Alternator
005005	25	Oil, Hydraulic

Notes:-

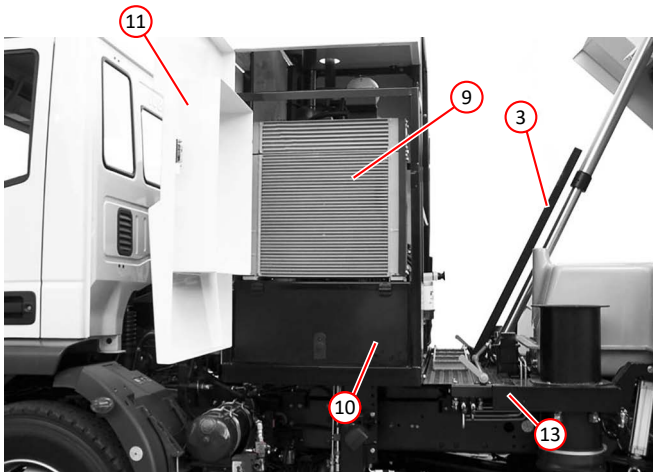
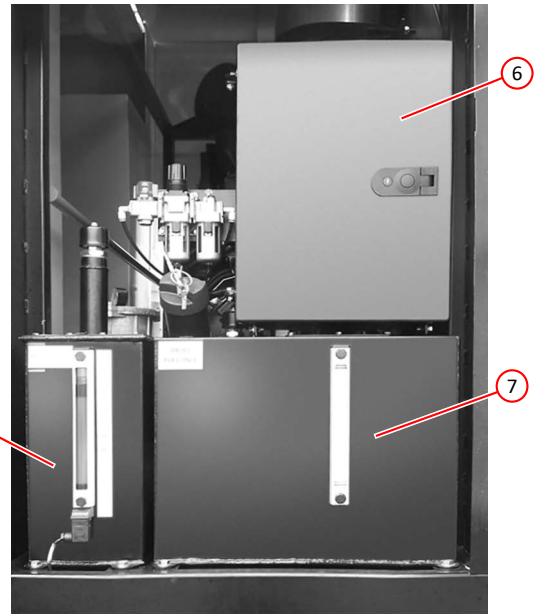
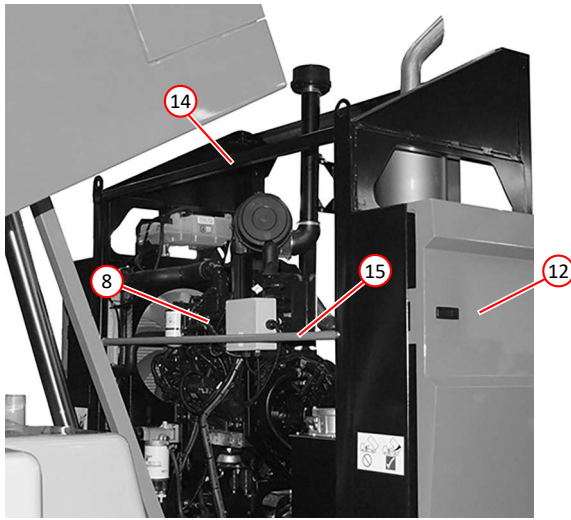
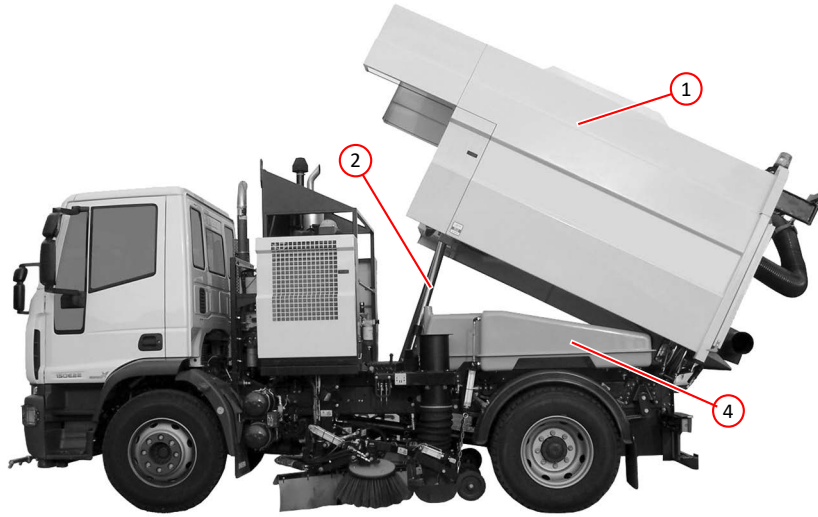
* If it is first service or it is the 2000 hour service then this service is not required.

** This service is required every 2000 hours or annually which ever comes first.

Subframe and hopper

<i>Description</i>	<i>Page</i>
Hopper and Subframes General Arrangement	24
Manual Hopper Safety Prop and Bypass Valve Controls	26
Hopper General Arrangement	28
Hopper Internal Components	30
Filter Screen Assembly	30
Auto Blanking	32
Deflector Flap Assembly	32
Suction Fan Assembly	34
Rear Door Arrangement	36
Rear Door Ram, Opening and Locking Arrangement	38
Rear Door with Inspection/Cleaning Hatch	40

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Hopper and Subframes General Arrangement			
1	034263	1	Hopper Page 28
2	024249	1	Hopper lifting ram Page 188
3	034373	1	Hopper safety prop Page 26
4	034333	1	Water tank Page 144
5	034328	1	Oil tank, hydraulic Page 174
6	038209	1	Enclosure, (node/pneumatic) Page 210
7	034324	1	Tank, diesel fuel Page 20
8	033194	1	Auxiliary engine Page 16
9	033711	1	Radiator oil/water Page 172
10	034323	1	Enclosure, door (hydraulic valves) Page 176
	033634	1	. Latch, enclosure door
11	034283	1	Door, LH
NI	028583	1	. Hinge, stainless steel
NI	035662	1	. . Latch, door
12	034284	1	Door, RH
NI	028583	1	. Hinge, stainless steel
NI	035662	1	. . Latch, door
13	034264	1	Subframe
14	034282	1	Front subframe
NI	034799	1	. Panel, front
	012969	8	. . Washer, rubber, 40 x 12 x 6
	011092	8	. . . Washer, M8
	011011	6	. . . . Setscrew, high tensile, M8 x 25mm
	011073	2	. . . . Nut, M8, Nyloc
15	034800	1	. Safety bar
	011010	2	. . Setscrew, M8 x 20mm
	011092	2	. . . Washer, M8

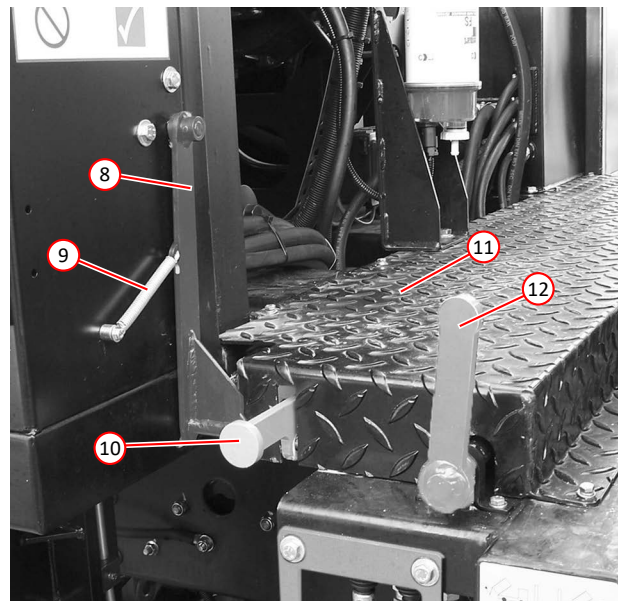
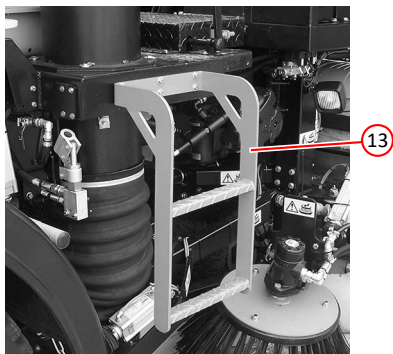
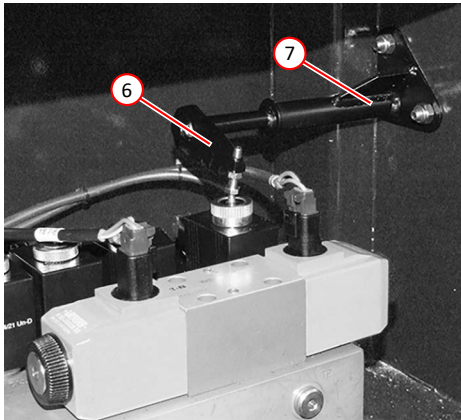
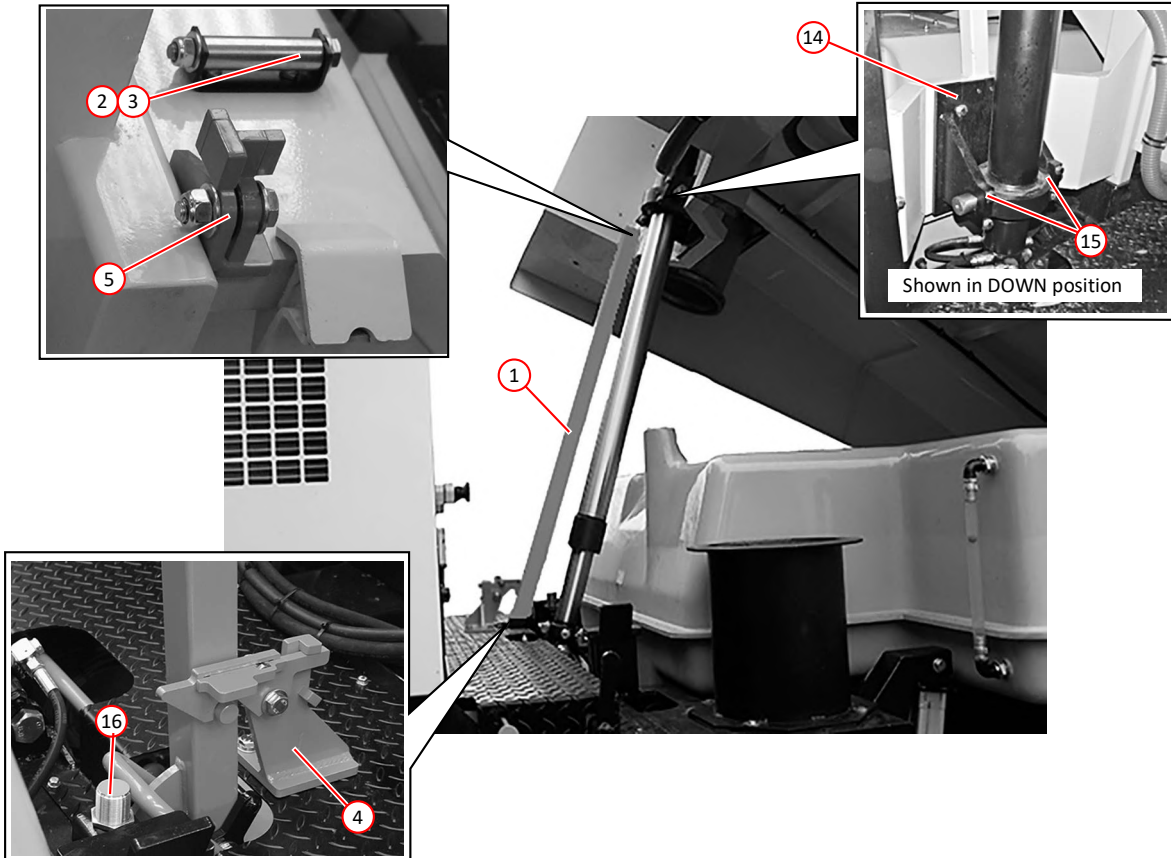


HOPPER AND SUBFRAMES GENERAL ARRANGEMENT

Item	Part Number	Quantity	Description
Manual Hopper Safety Prop and Bypass Valve Controls			
1	034373	1	Hopper safety prop Page 24
NI	036240	1	. Spacer
	044483	1	. Special bolt, M16 x 95 (8.8 grade)
	011135	1	. Plain washer M16
	011060	1	. Nut, M16, Nyloc
2	034379	1	. Bracket, prop guide
3	011711	1	. Runner, prop guide
	011039	1	. . Bolt, M10 x 100mm
	011075	1	. . Nut, M10, Nyloc
	011067	2	. . Setscrew, M6 x 25mm
	011090	4	. . Washer, M6
	011094	2	. . Nut, M6, Nyloc
4	039557	1	Hopper safety prop catch assembly
	011032	4	. Setscrew, M10 x 30mm
	011094	8	. . Washer M10
	011075	4	. . Nut, M10, Nyloc
5	039560	1	Hopper safety prop catch release assembly
	011032	1	. Setscrew, M10 x 30mm
	011094	2	. . Washer
	011075	1	. . Nut, M10, Nyloc
6	034742 *	1	Actuator, bypass valve
	000052	1	. Setscrew, M5 x 16mm
	000054	1	. . Nut, M5
7	035612 *	1	. Mounting, bypass valve actuator
	011010	2	. . Setscrew, M8 x 20mm
	011092	4	. . Washer, M8
	011073	2	. . Nut, M8, Nyloc
8	034741 *	1	. Link arm, bypass valve
9	020797 *	1	. . Spring, link arm
	013344	1	. . . Spacer, spring
	000038	1	. . . . Screw, cap head, M6 x 25mm
	011090	1	. . . . Washer, M6
	011071	1	. . . . Nut, M6
10	034740 *	1	Bypass valve push rod
NI	035613 *	3	Bypass valve rod runner
	011067	6	. Setscrew, M6 x 20mm
	011090	6	. Washer, M6
11	034380	1	Floor plate
	011087	12	. Setscrew, M6 x 25mm
	011090	12	. Washer, M6
12	034377	1	Safety prop release lever
NI	034378	4	Release lever clamp
	011067	8	. Setscrew, M6 x 20mm
13	034766	1	Access ladder
	011011	6	. Setscrew, M8 x 25mm
	011092	12	. Washer, M8
	011073	6	. Nut, M8, Nyloc
14	010719	1	Ram pivot bracket
	011043	6	. Setscrew, M10 x 70mm
	011094	12	. Washer, M10
	011094	6	. Nut, M10, Nyloc
15	034395	2	Ram pivot retaining bar
	011034	4	. Setscrew, M10 x 40mm
	011095	4	. Spring washer, M10
16	032627	1	Hopper 'RAISED' sensor Page 212

Notes:-

* Part and associated parts not fitted to sweeper with hopper remote control switch box.

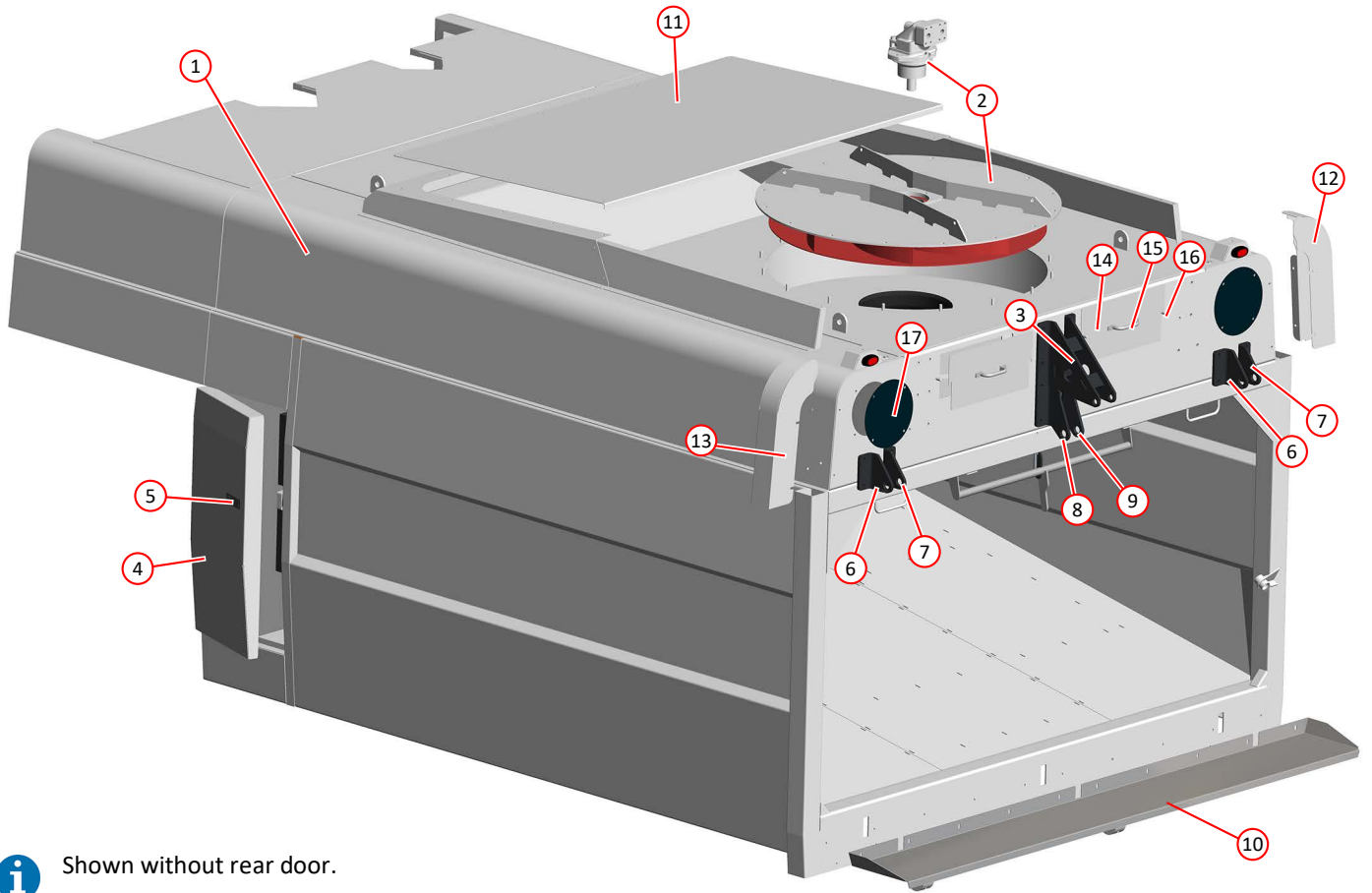


MANUAL HOPPER SAFETY PROP AND BYPASS VALVE CONTROL

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Hopper General Arrangement			
1	034263	1	Hopper Body Page 24
2	025564	1	. Suction fan assembly Page 34
3	034309	1	. Hinge bracket, door ram
	011032	8	. . Setscrew, M10 x 30mm
	011075	8	. . Nut, M10, Nyloc
	011094	16	. . Washer, M10
4	034290	1	. Locker door LH
NI	034291	1	. Locker door RH
NI	034809	4	. . Hinge, locker door
5	035662	2	. . Latch, locker door
6	034310	2	. Door hinge, outer LH
	011032	4	. . Setscrew, M10 x 30mm
	011075	4	. . Nut, M10, Nyloc
	011094	4	. . Washer, M10
7	034311	2	. Door hinge, outer, RH
	011032	4	. . Setscrew, M10 x 30mm
	011075	4	. . Nut, M10, Nyloc
	011094	8	. . Washer, M10
8	035709	1	. Door hinge, centre, LH
	011032	2	. . Setscrew, M10 x 30mm
	011075	2	. . Nut, M10, Nyloc
	011094	4	. . Washer, M10
9	035710	1	. Door hinge, centre, RH
	011032	2	. . Setscrew, M10 x 30mm
	011075	2	. . Nut, M10, Nyloc
	011094	4	. . Washer, M10
10	034337	1	. Chute, discharge
	000257	10	. . Setscrew, M8 x 25mm, stainless steel
	000262	10	. . Nut, M8, Nyloc, stainless steel
	000264	20	. . Washer, M8, stainless steel
11	035797	1	. Cover, hopper
	011001	13	. . Setscrew, M6 x 16mm
	011090	13	. . Washer, M6
12	034729 *	1	. Capping, RH
NI	040018 *	1	. Capping RH (slotted)
13	034728 *	1	. Capping, LH
NI	040017 *	1	. Capping LH (slotted)
14	030728	2	. Inspection cover, outer
15	010502	2	. . Handle
16	000248	4	. . Grip nut with brass insert, M8
17	025486	2	. Cover plate, wander boom attachment Page 36, 40
	000264	8	. . Washer, M8, stainless steel
	000263	8	. . Nut, M8, Nyloc, stainless steel

Notes:-

* Please contact Scarab Part Department regarding these parts.

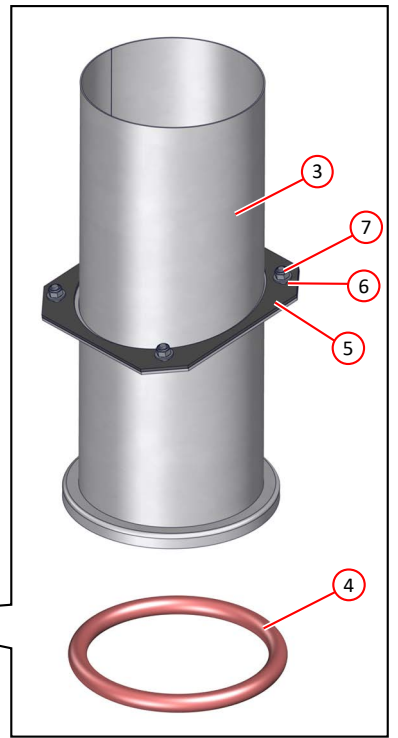
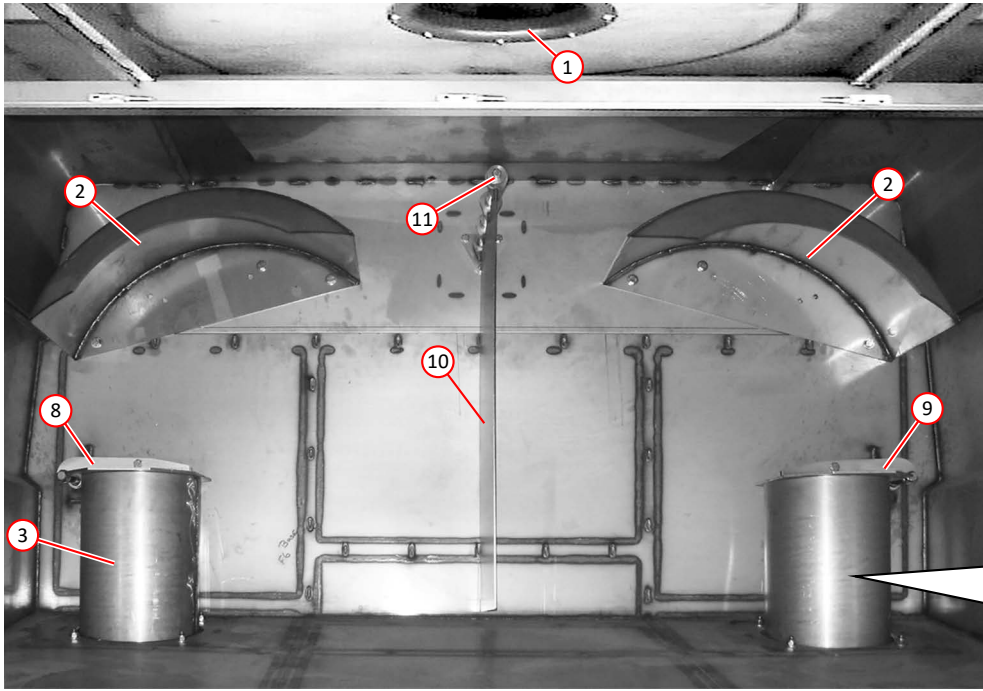


i Shown without rear door.

HOPPER GENERAL ARRANGEMENT

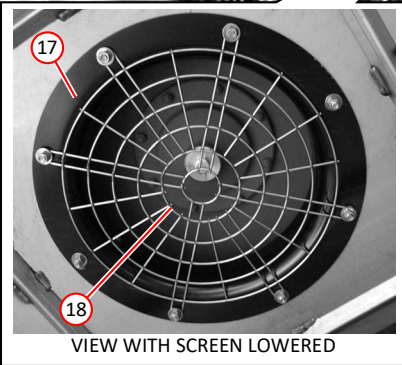
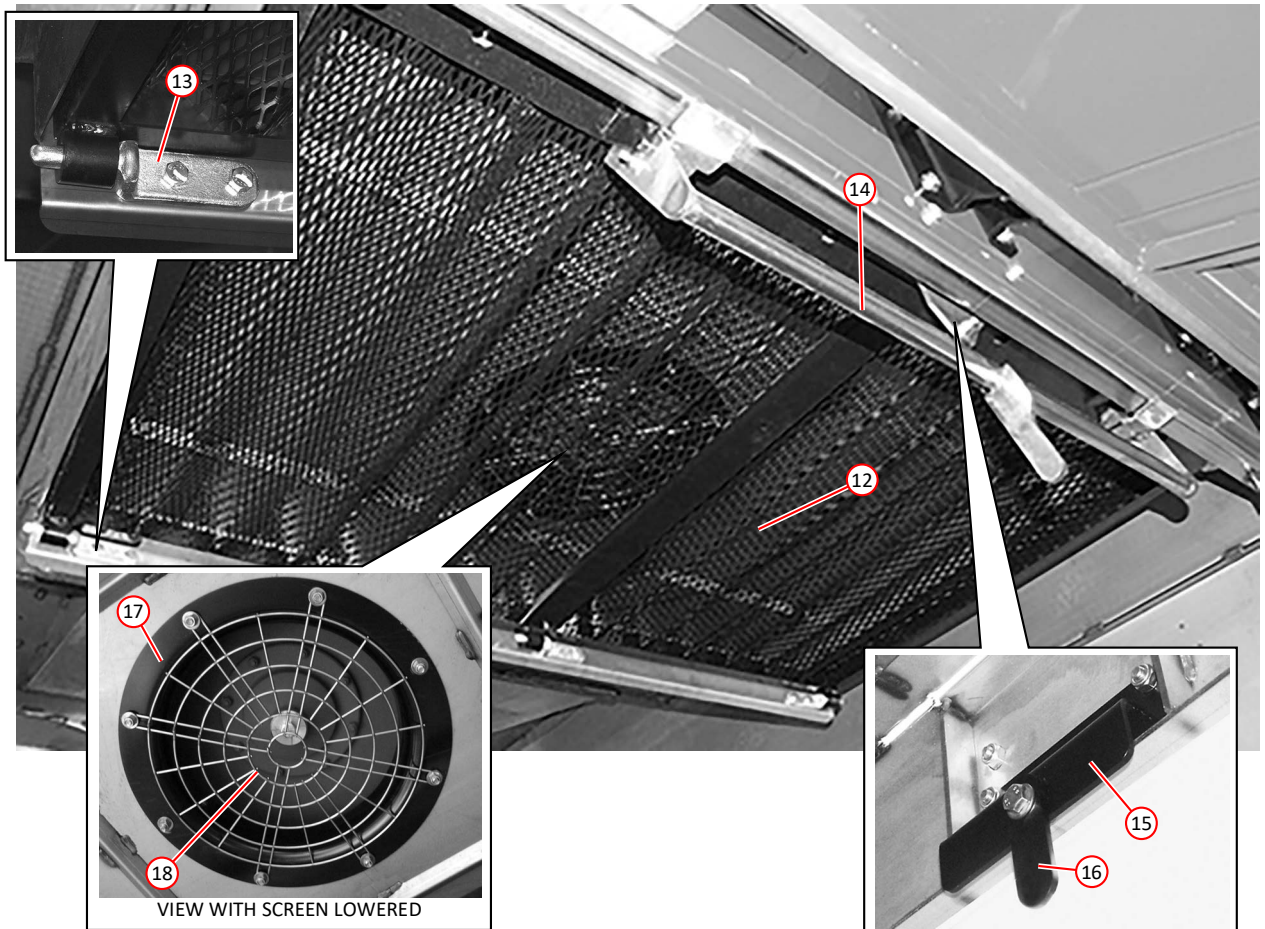
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Hopper Internal Components			
1	032357	1	Cone, inlet, suction fan, stainless steel
1	024790	1	Cone, inlet, suction fan
2	022644	1	Deflector, universal
2	034718	1	Deflector, universal, PU coated (option)
	011055	1	. Bolt, M12 x 65mm
	011051	2	. Setscrew, M12 x 25mm
	011077	3	. Nut, M12, Nyloc
3	034367	1	Deflector tube
3	035280	1	Deflector tube, PU coated (option)
4	039140	1	Seal, deflector tube
5	044674	1	Gasket, deflector tube
6	000277	4	Washer, M12, stainless steel
7	000275	4	Nut, M12, Nyloc, stainless steel
8	021517	1	Flap arm LH Page 32
9	021518	1	Flap arm RH Page 32
10	031888	1	Deflector flap Page 32
11	030536	1	. Mounting bar, deflector flap
NI	030537	1	. . Washer 40mm OD x10.5mm ID x 5mm
	011095	1	. . . Spring washer, M10
	011031	1	. . . Setscrew, M10 x 25mm
	011032	3	. . Setscrew, M10 x 30mm
	011094	3	. . . Washer, M10
	011075	3	. . . . Nut, M10, Nyloc

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Filter Screen Assembly			
12	031883	1	Screen, filter, stainless steel
12	024668	1	Screen, filter
13	025245	3	. Hinge, points
	000257	6	. . Setscrew, M8 x 25mm, stainless steel
	000263	6	. . Nut, M8, Nyloc
14	039312	1	. Screen handle catch
	000257	4	. . Setscrew, M8 x 25mm, stainless steel
	000263	4	. . Nut, M8, Nyloc, stainless steel
	011092	4	. . Washer, M8
15	028052	1	. Bracket, safety link
16	028053	1	. . Safety link
	000280	1	. . . Setscrew, M10 x 25mm, stainless steel
	011075	1	. . . Nut, M10, Nyloc, stainless steel
	000270	2	. . . Washer, M10, stainless steel
13	032357	1	Cone, inlet, suction fan, stainless steel
17	024790	1	Cone, inlet, suction fan
18	039674	1	. Fan guard
	000263	8	. Nut, M8, Nyloc, stainless steel
	000264	8	. Washer, M8, stainless steel
NI	034091	1	. Repair ring (requires welding)



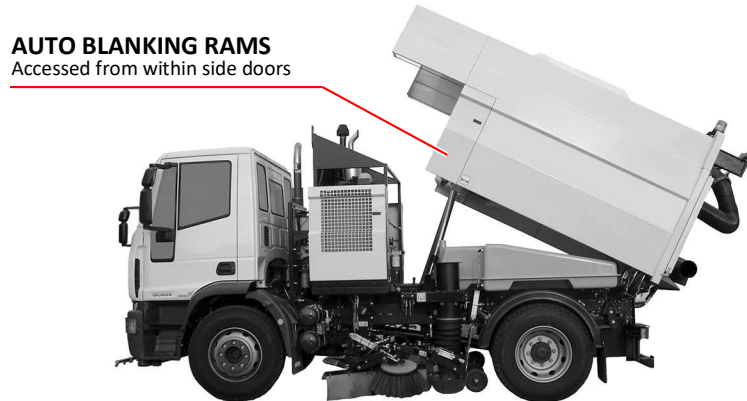
i Shown without filter screen and fan guard.

HOPPER INTERNAL COMPONENTS



HOPPER SCREEN ASSEMBLY

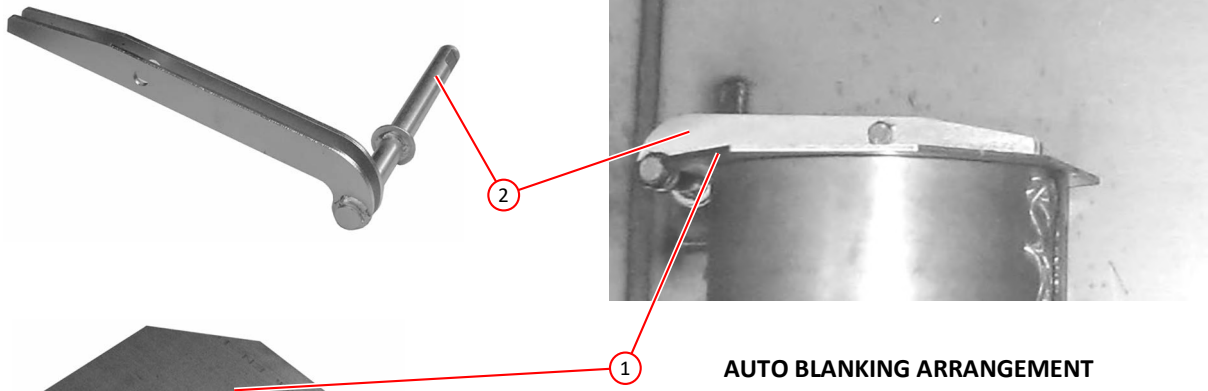
Item	Part Number	Quantity	Description
Auto Blanking - Arrangement (per side) *			
1	021514	1	Flap, blanking
1	034716	1	Flap, blanking, PU coated (option)
2	021517	1	. . Flap arm LH Page 30
NI	021518	1	. . Flap arm RH Page 30
3	034397	2	. . Flap lever, RH
NI	034396	2	. . Flap lever, LH
NI	013488	4	. . Bush
4	021467	2	. . Pneumatic cylinder 40mm x 200mm Page 204
NI	024646	3	. . . Elbow, 6mm x 1/4" BSP
NI	021158	2	. . . Regulator, air flow
NI	021560	2	Seal kit (pneumatic cylinder)
5	014469	2	. . Clevis M12 x 1.25
6	023270	2	. . . Pin, clevis
NI	023269	2	. . . Safety fastener
7	014457	2	. . Bracket, cylinder mounting
8	024650	AR	. Tubing, air, flexible nylon, 6mm Superflex
NI	034860	1	Guard



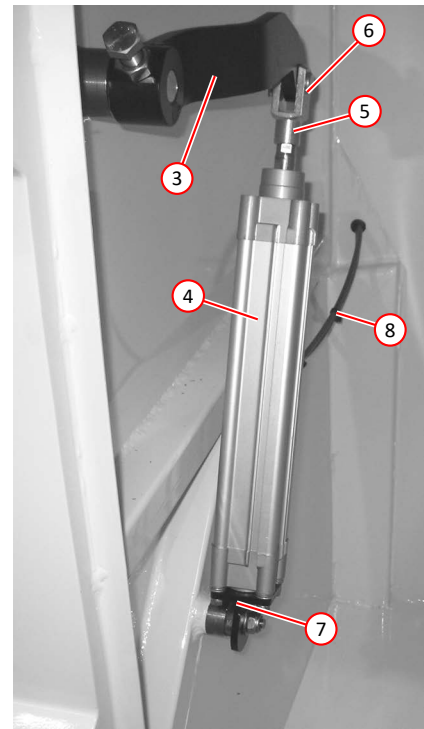
Item	Part Number	Quantity	Description
Deflector Flap Assembly			
9	031888	1	Deflector flap Page 30
9	034723	1	Deflector flap, PU coated (option)
10	030536	1	Mounting Bar
NI	011032	3	. . Setscrew, M10 x 30mm
NI	011075	3	. . Nut, M10, Nyloc
NI	011094	3	. . Washer M10
11	030537	1	. Locking ring
NI	011031	1	. . Setscrew, M10 x 25mm
NI	011095	1	. . Spring washer, M10

Notes:-

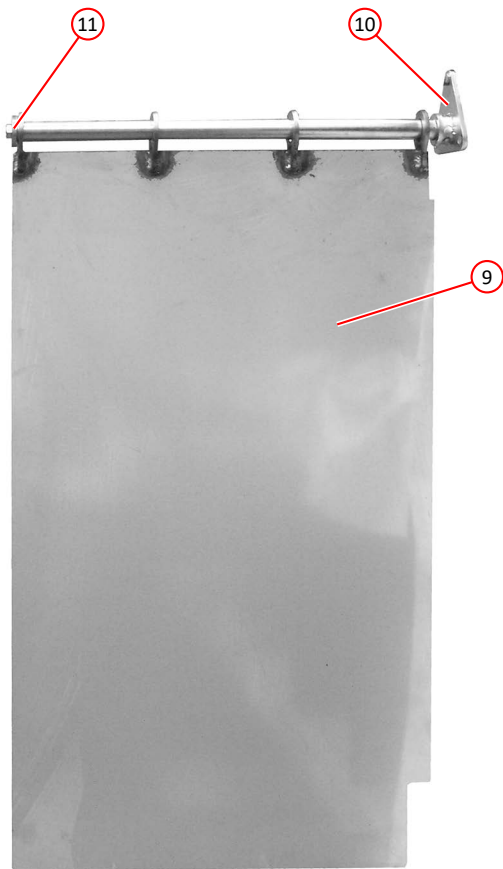
* Items listed in this parts list are identical for both LH and RH blanking assemblies, except where identified specifically for one side only.



AUTO BLANKING ARRANGEMENT

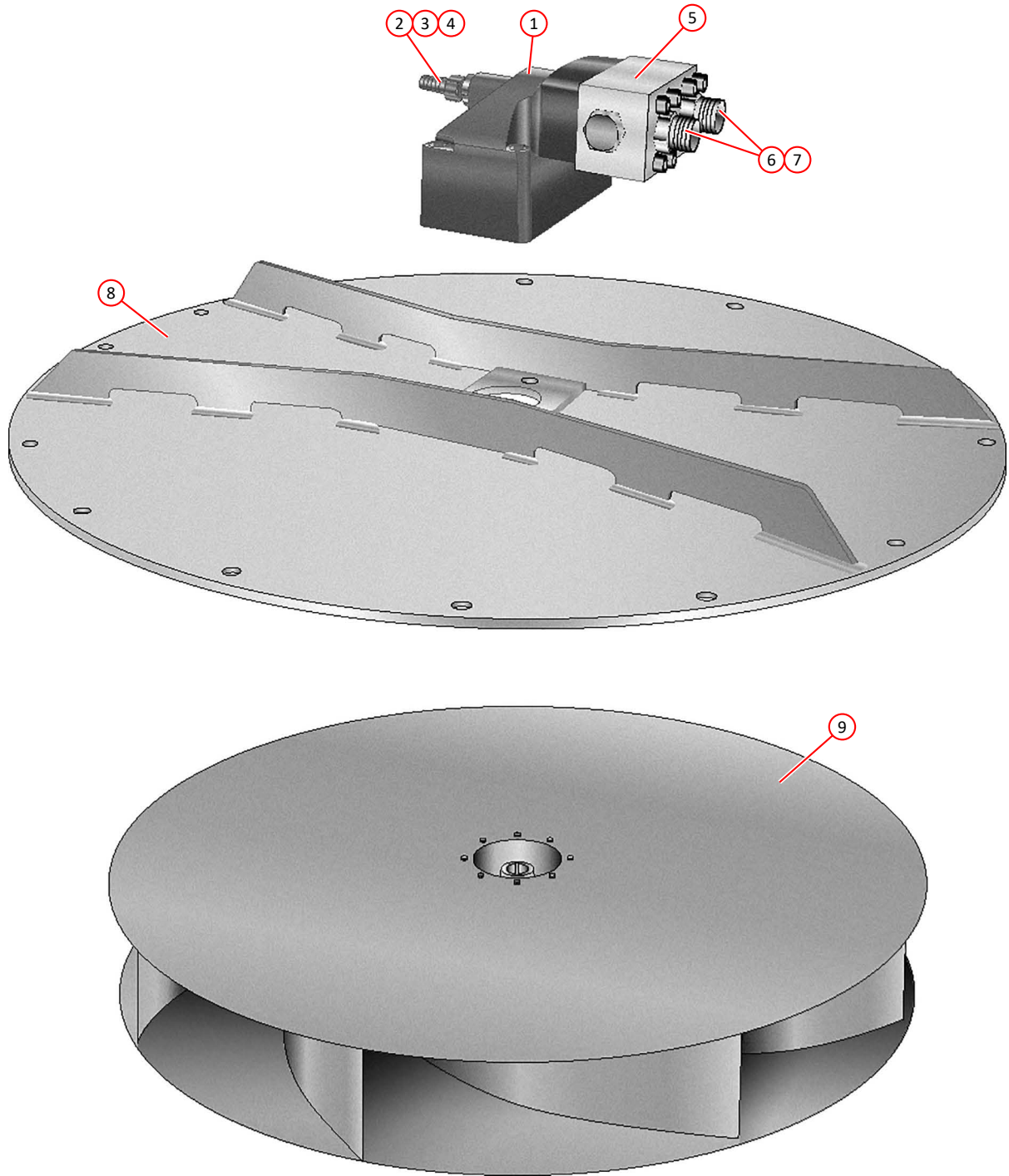


Guard removed for clarity



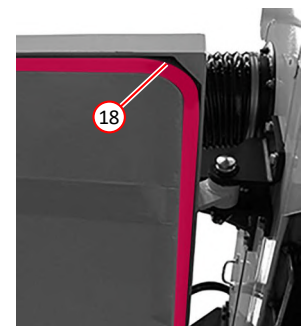
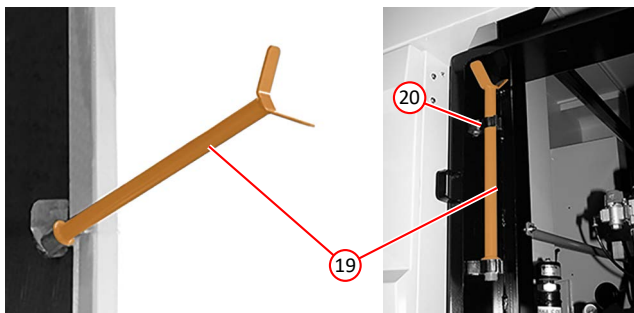
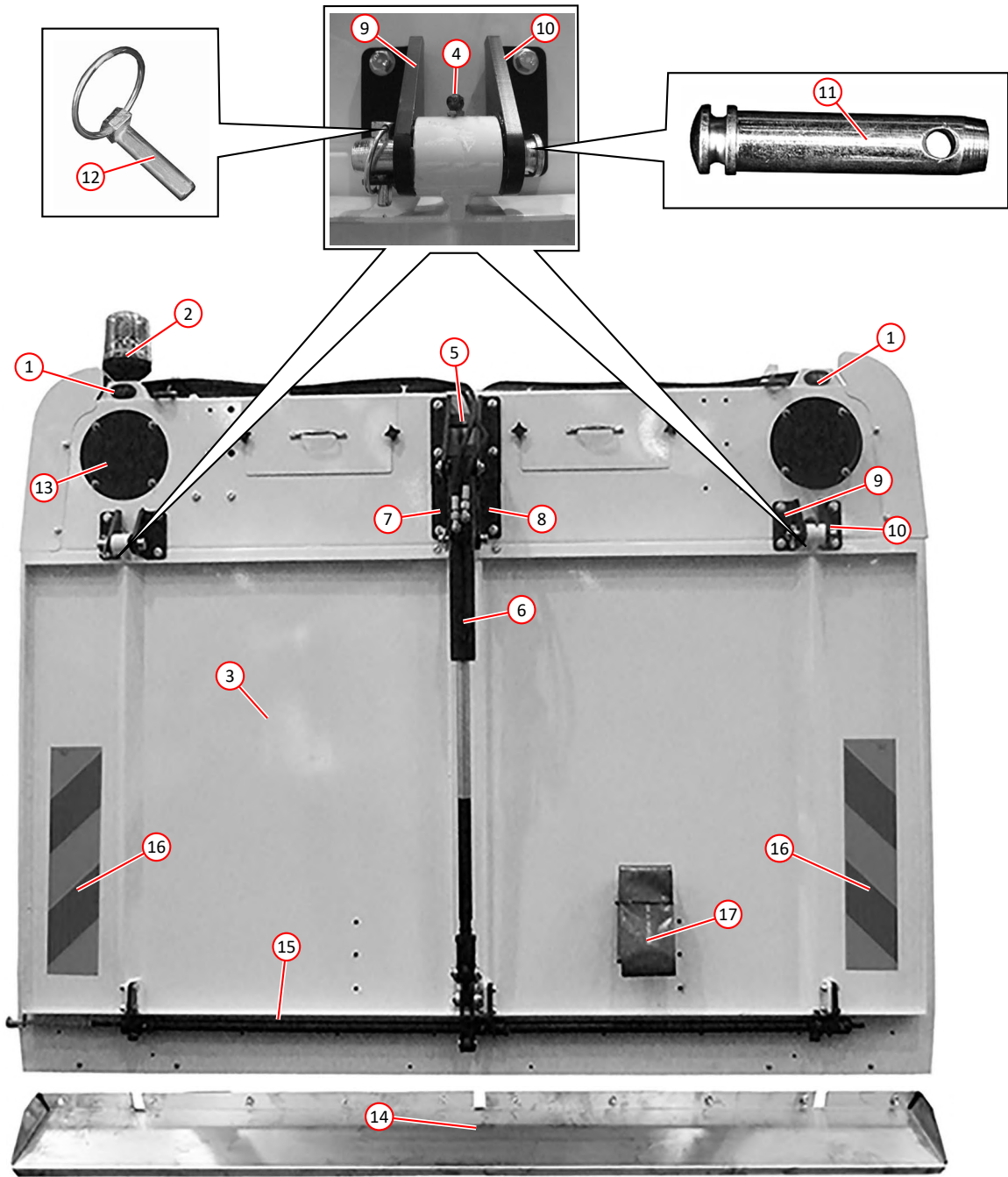
DEFLECTOR FLAP ASSEMBLY

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Suction Fan Assembly			
1	024641	1	. Fan motor assembly Page 184
2	011248	1	. . Adaptor, M/M, M18 x $\frac{3}{8}$ BSP
3	011247	1	. . Seal, Dowty, M18
4	010921	1	. . Hose tail, $\frac{3}{8}$ BSP female x $\frac{3}{8}$ hose
5	035967	1	. . Valve block
	000048	8	. . . Screw, socket cap head, M10 x 80mm
	011095	8	. . . , Washer, spring, M10
6	011151	2	. . . Adaptor, M/M, $\frac{3}{4}$ BSP
7	011155	2	. . . Seal, Dowty, $\frac{3}{4}$ BSP
8	024679	1	. Fan Plate
	000343	2	. . Bolt, socket cap head, M14 x 50mm
	011127	2	. . . Nut, M14, Nyloc
	011424	16	. . Washer, M10
	011075	16	. . Nut, M10, Nyloc
9	025241	1	. Impellor
	011052	1	. . Setscrew, M12 x 30mm
	024791	1	. . Cap Washer, Voac Motor
NI	013514	1	. Fan scraper (mounted in side locker)
NI	013631	2	. . Clip, firtree



SUCTION FAN ASSEMBLY

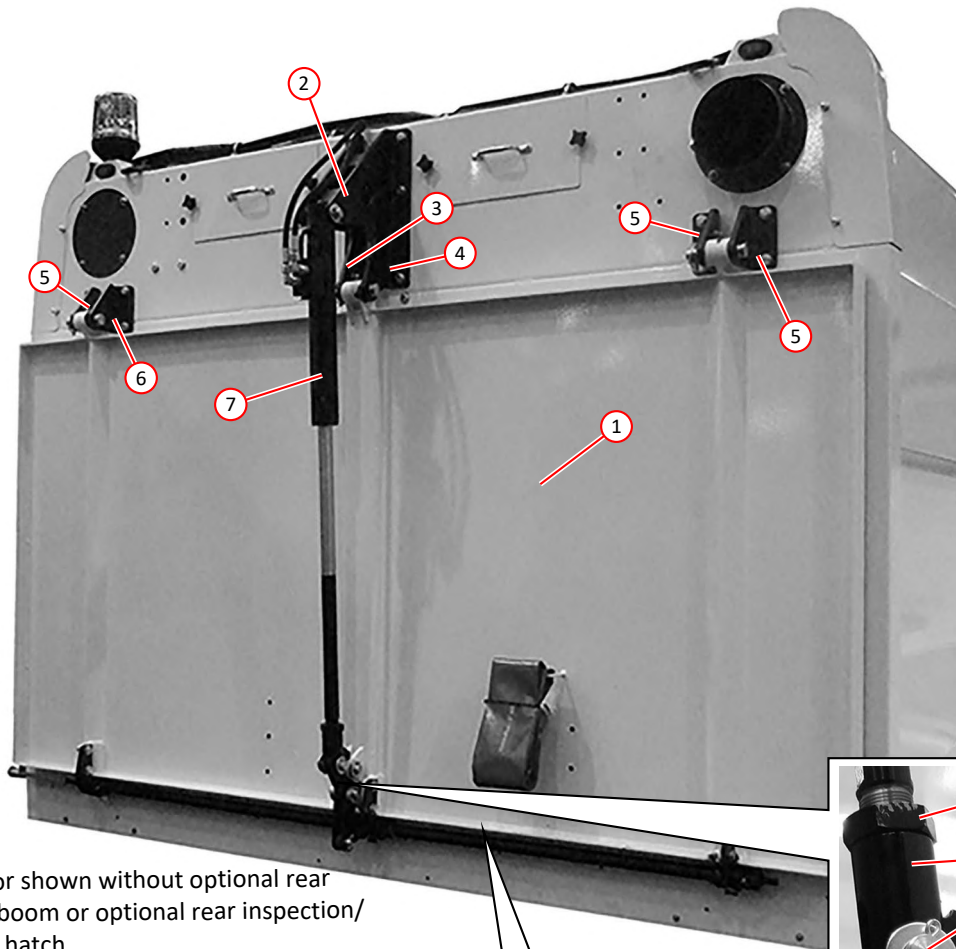
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Rear Door Arrangement			
1	030773	2	Marker light, LED Page 212
2	014064	1	Beacon, 24 Volt Page 213
3	039262	1	Rear door, standard
NI		1	Rear door, with inspection/cleaning hatch Page 40
4	010902	3	. Greasing point, 90 degree, $\frac{1}{8}$ BSP
5	034309	1	. Bracket, hinge, rear door hydraulic ram
	011032	4	. . Setscrew, M10 x 30mm
	011074	8	. . Washer, M10
	011075	4	. . Nut, M10, Nyloc
6	034816	1	. Ram, hydraulic Page 188
7	035709	1	. Centre door hinge. LH
	011032	2	. . Setscrew, M10 x 30mm
	011074	4	. . Washer, M10
	011075	2	. . Nut, M10, Nyloc
8	035710	1	. Centre door hinge, RH
	011032	2	. . Setscrew, M10 x 30mm
	011074	4	. . Washer, M10
	011075	2	. . Nut, M10, Nyloc
9	034310	2	. Bracket, hinge LH
	011032	4	. . Setscrew, M10 x 30mm
	011074	8	. . Washer, M10
	011075	4	. . Nut, M10, Nyloc
10	034311	2	. Bracket, hinge RH
	011032	4	. . Setscrew, M10 x 30mm
	011074	8	. . Washer, M10
	011075	4	. . Nut, M10, Nyloc
11	013051	3	. Hinge pin
12	013053	3	. . Linch pin
13	025486	2	Cover plate, wander boom attachment Page 28, 40
	000264	8	. Washer, M8, stainless steel
	000263	8	. Nut, M8, Nyloc, stainless steel
14	034337	1	Chute, discharge
NI	035285	AR	. Spacer, discharge chute
15	034317	1	. Locking assembly, rear door Page 38
16	022389	2	. Marker plate
17	010998	AR	. Hose, layflat
NI	012931	1	. . Clamp, worm drive, 70-90mm
NI	030481	1	. Seal
NI			Rear wander boom arrangement Page 140
18	030806	1	Door seal
19	039683	1	Safety prop, hopper rear door
20	014806	2	. Clip, stowage, safety prop, hopper rear door



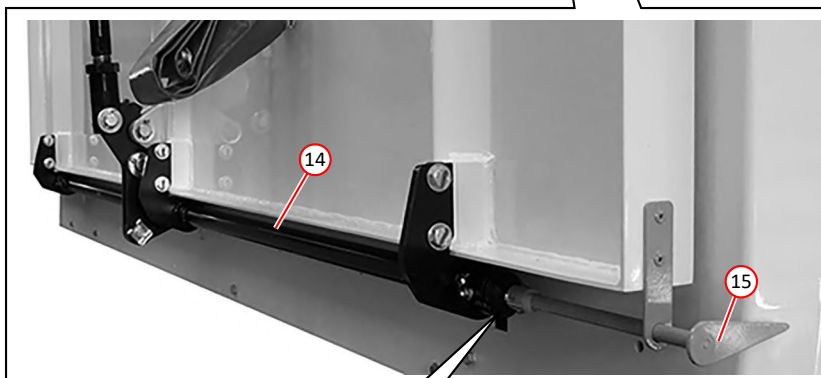
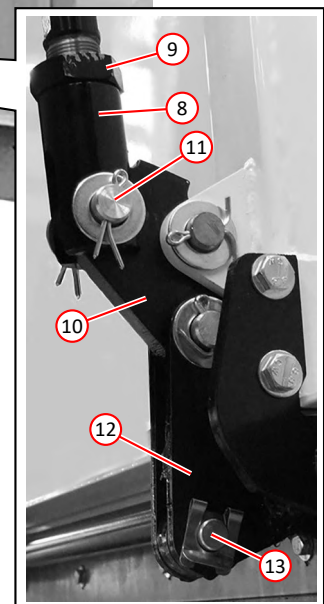
i Rear door shown without optional rear wander boom or optional rear inspection/cleaning hatch.

REAR DOOR & HOPPER ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Rear Door Ram, Opening and Locking Arrangement			
1	039262	1	Rear door, standard
2	034309	1	Bracket, rear door hydraulic ram hinge
	011032	4	. Setscrew, M10 x 30mm
	011074	8	. Washer, M10
	011075	4	. Nut, M10, Nyloc
3	035709	1	Bracket, door hinge, centre. LH
	011032	2	. Setscrew, M10 x 30mm
	011074	4	. Washer, M10
	011075	2	. Nut, M10, Nyloc
4	035710	1	Bracket, door hinge, centre, RH
	011032	2	. Setscrew, M10 x 30mm
	011074	4	. Washer, M10
	011075	2	. Nut, M10, Nyloc
5	034310	2	. Bracket, door hinge, LH
	011032	4	. Setscrew, M10 x 30mm
	011074	8	. Washer, M10
	011075	4	. Nut, M10, Nyloc
6	034311	2	Bracket, door hinge, RH
	011032	4	. Setscrew, M10 x 30mm
	011074	8	. Washer, M10
	011075	4	. Nut, M10, Nyloc
NI	013051	3	. Hinge pin
NI	013053	3	. Linch pin
7	034816	1	Ram, hydraulic, rear door Page 188
8	042284	1	. Clevis, door ram
9	042285	1	. Clevis nut, door ram
10	034314	1	. . Locking cam
11	014038	3	. . . Pin $\varnothing 20 \times 70\text{mm}$
	011102	AR	. . . . Washer M20
	011122	6	. . . . . Split pin $\frac{3}{16}'' \times 1\frac{1}{2}''$
12	034315	2	. . Push link
13	022673	1	. . . Clevis pin (turned)
	022674	1	. . . . Clip retaining
14	034317	1	Locking bar assembly Page 36
15	035654	1	. Locking flag
16	034322	3	. Wear plate



i Rear door shown without optional rear wander boom or optional rear inspection/cleaning hatch.

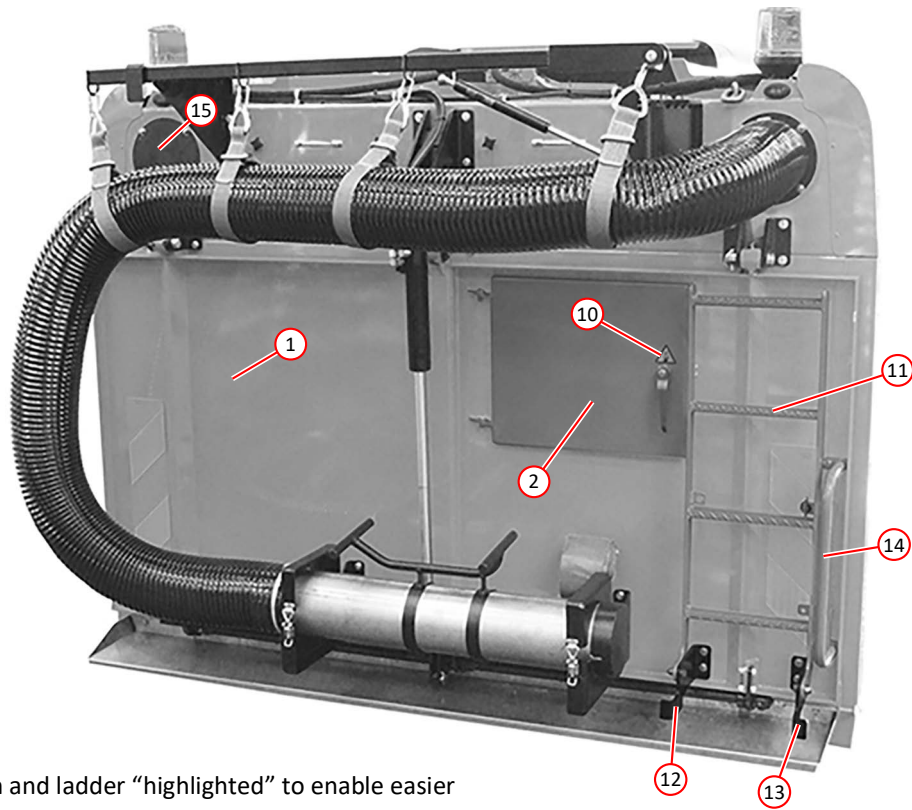


i Locking flag can be on either end of the locking bar assembly.

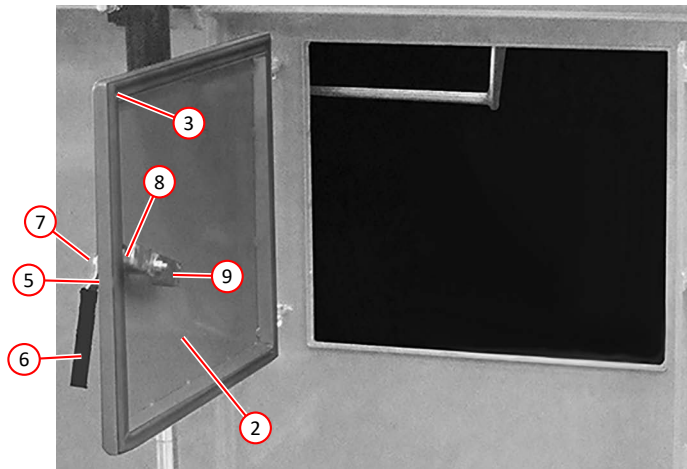
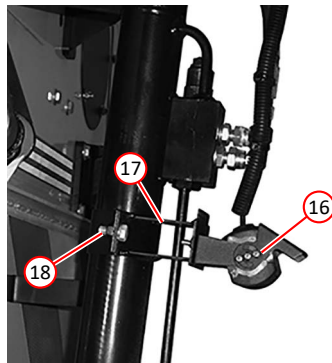


REAR DOOR RAM, OPENING AND LOCKING ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Rear Door with Inspection/Cleaning Hatch			
1	039263	1	Rear door, with RH inspection/cleaning hatch Page 36
NI	039311	1	Rear door, with LH inspection/cleaning hatch Page 36
2	036363	1	. Door, inspection/cleaning hatch
3	013599	1	. . Seal, inspection/cleaning hatch
NI	027932	1	. Striker, inspection/cleaning hatch (on inside of rear door)
5	027933	1	. Handle, inspection/cleaning hatch
6	040032	1	. . Sleeve, door handle
7	027934	1	. Spindle, catch, inspection/cleaning hatch
8	027935	1	. Bearing, catch, inspection/cleaning hatch
9	040033	1	. Catch, with stop, RH inspection/cleaning hatch
NI	040034	1	. Catch, with stop, LH inspection/cleaning hatch
	027937	1	. Back nut, $\frac{3}{4}$ " BSP
10	039550	1	. Label, Warning, Debris warning Page 216
11	039284	1	Ladder, rear door
	000278	2	. Setscrew, M12 x 40mm, stainless steel
	000277	6	. Washer, M12, stainless steel
	000275	2	. . Nut, M12, Nyloc, stainless steel
12	039285	1	. Hinge, ladder, LH
NI	040133	1	. Plate, load spreader
	011034	2	. Setscrew, M10 x 40mm
	011094	4	. . Washer, M10 I
	011075	2	. . Nut, M10, Nyloc
13	039286	1	. Hinge, ladder, RH
NI	040133	1	. Plate, load spreader
	011034	2	. Setscrew, M10 x 40mm,
	011094	4	. . Washer, M10
	011075	2	. . Nut, M10, Nyloc
14	039287	1	Handle, grab, rear ladder
	011034	2	. Setscrew, M10 x 40mm
	011094	4	. . Washer, M10
	011075	2	. . Nut, M10, Nyloc
NI	013702	1	. Antiluce
15	025486	1	. Cover plate, wander boom attachment Page 28, 36
	000264	4	. . Washer, M8, stainless steel
	000263	4	. . Nut, M8, Nyloc, stainless steel
16	040354	1	Rear camera Page 213
	000444	2	. Screw, socket cap head, M5 x 12mm
NI	038193	2	. . Insulated spacer
17	040676	1	. Mount, rear camera
18	040677	1	. Mount clamp, rear camera
	011010	2	. . Setscrew, M8 x 20mm
NI	040353	1	. Loom, power supply, rear camera Page 12, 212
NI	040355	1	. Loom, rear camera Page 12, 212
			Rear wander boom arrangement Page 140
NI	039866	1	Label, Warning, Ladder stowage, on rear door Page 216



i Shown with hatch and ladder “highlighted” to enable easier visualisation.



REAR DOOR WITH INSPECTION/CLEANING HATCH

Sweeping and suction

i MYC = Model Year Change assemblies/parts.

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Side brush link, left hand - MYC	51
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Side brush arrangement, left hand - MYC

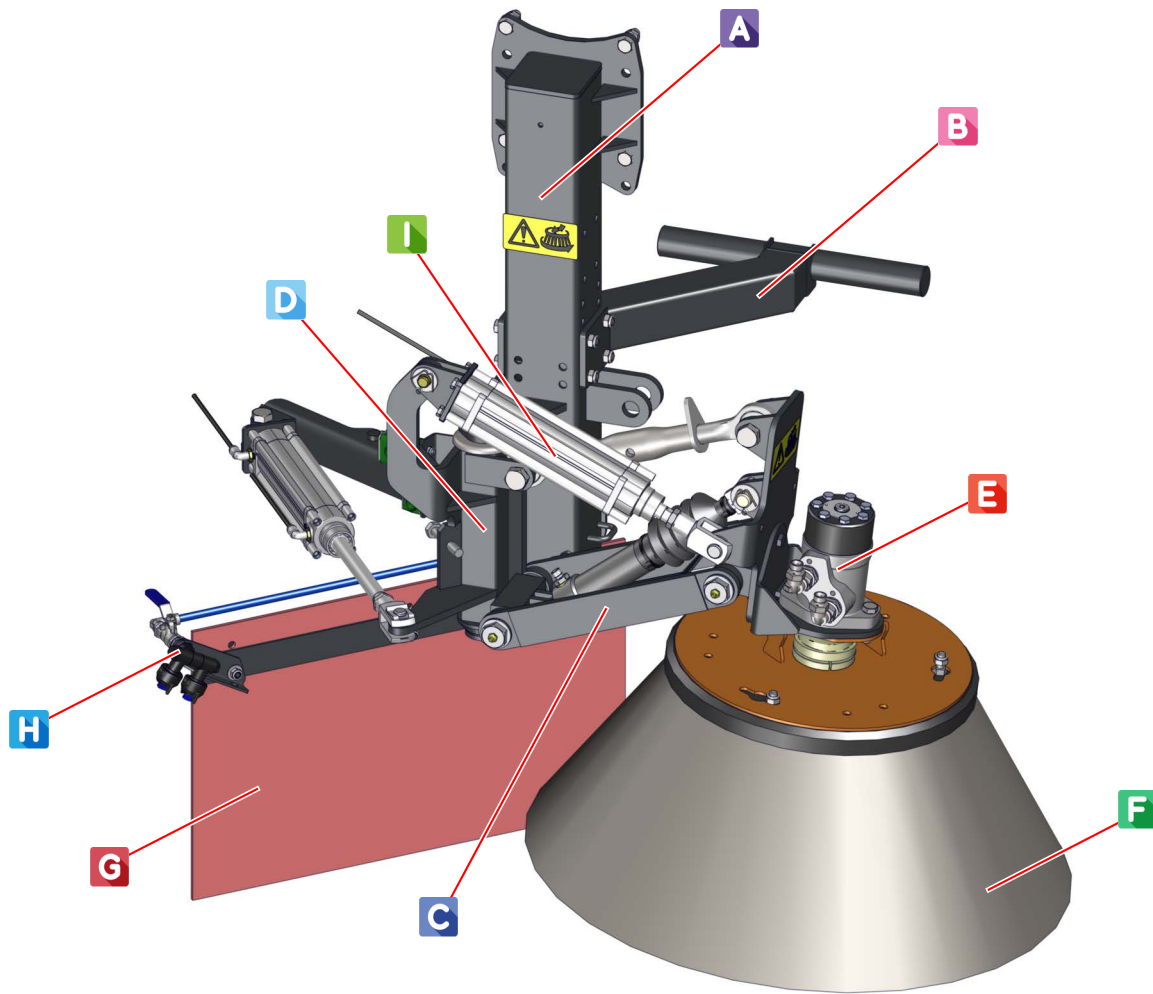


Figure 1: Side brush arrangement, left hand - MYC

Item	Part No	Qty	Description	
A	SCA034265	1	Subframe leg, left hand	58
B	SCA034334	1	Wide sweep adjustable mount, left hand	58
C			Side brush raise/lower assembly, left hand	47,49,50,51
D			Side brush king post, swing in/out arrangement, left hand	52,53,54
E			Side brush motor assembly	46
F			Side brushes	46
G			Front skirt, side brush	56
H			Side brush dual water spray	57
I			Side brush pressure cylinder (option)	48

Side brush motor, hub and mount, left hand - MYC

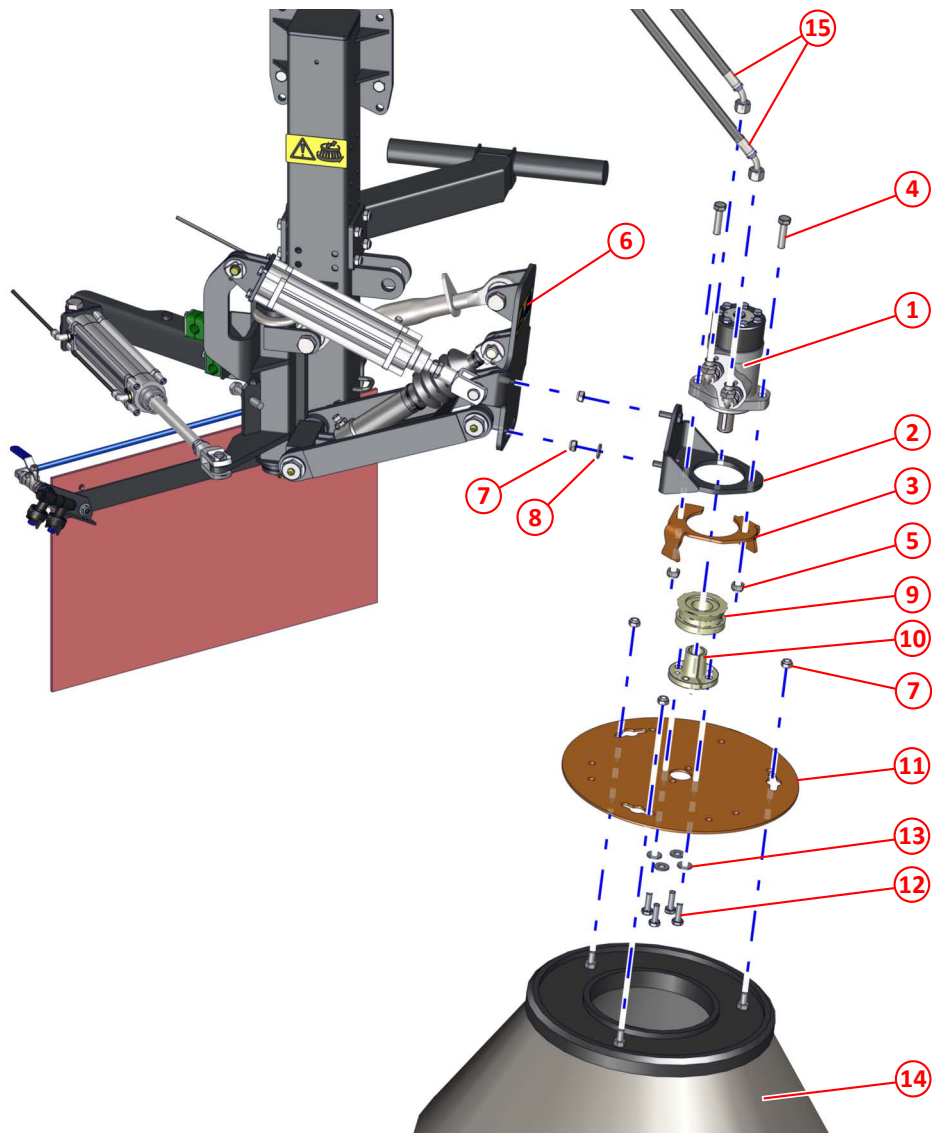


Figure 2: Side brush motor, hub and mount, left hand - MYC

Item	Part No	Qty	Description	
①	SCA010749	1	Motor 3597 (OMP 200)	
②	SCA047485	1	Motor bracket, side brush bolt hub	
③	SCA048816	1	Tape cutter, left hand	
④	SCA011054	2	Setscrew HT M12 x 45	
⑤	SCA011077	2	Nyloc nut M12	
⑥	SCA023121	1	Swivel plate	47
⑦	SCA011075	5	Nyloc nut M10	
⑧	SCA011094	1	Washer M10	
⑨	SCA047482	1	Plate hub	
⑩	SCA047481	1	Sprung hub	
⑪	SCA047484	1	Brush hub 7000 / side brush bolt hub	
⑫	SCA000461	4	Setscrew HT M10 x 30, stainless steel	
⑬	SCA000270	4	Washer M10, stainless steel	
⑭	SCA040136	1	Brush side 400 - 700 dia, steel	
⑮	SCA001372	2	Hose 3/8 x 1400 (ST/45)	

Side brush swivel plate, left hand - MYC

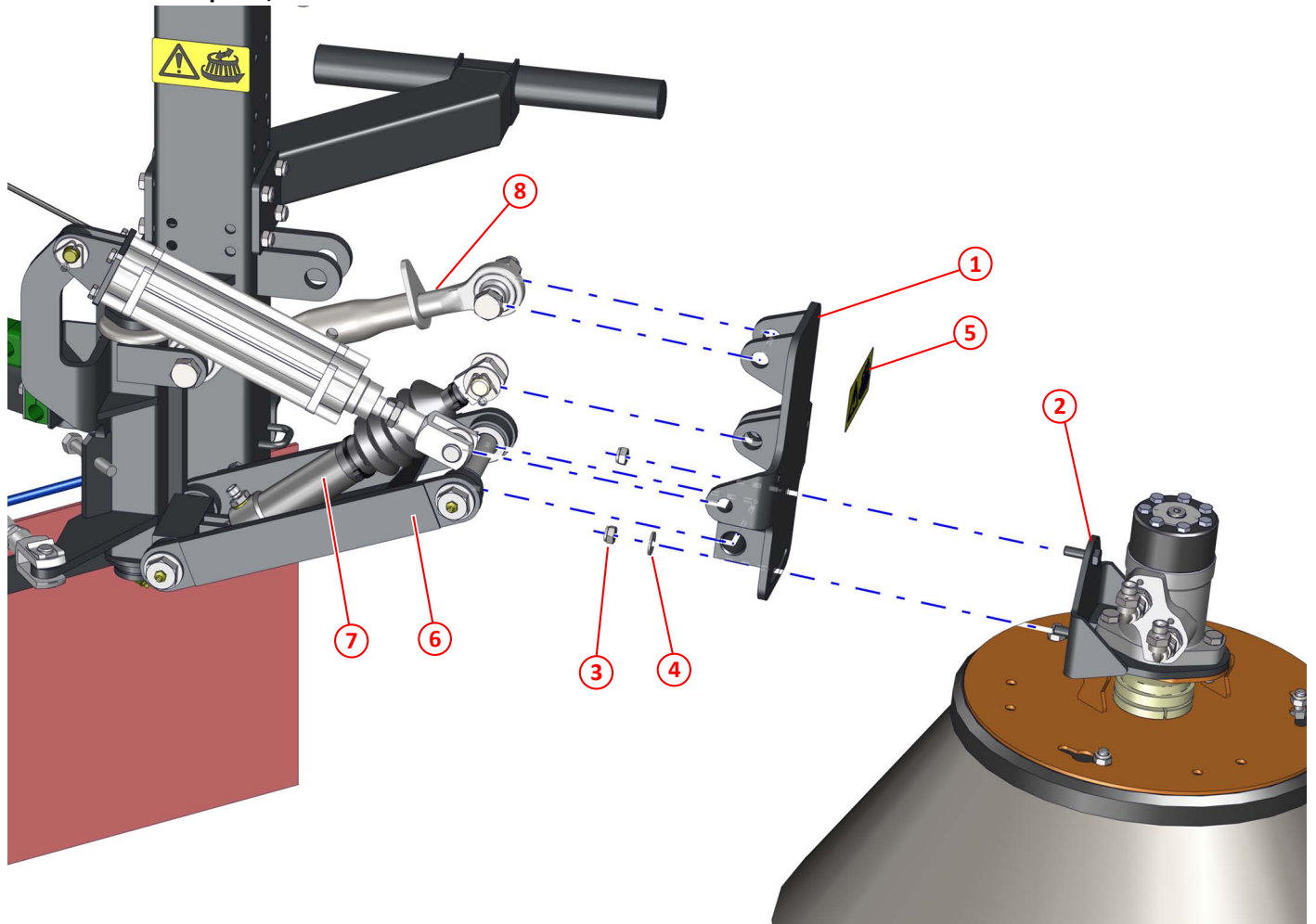


Figure 3: Side brush swivel plate, left hand - MYC

Item	Part No	Qty	Description	
①	SCA023121	1	Swivel plate	
②	SCA047485	1	Motor bracket, side brush bolt hub	46
③	SCA011075	2	Nyloc nut M10	
④	SCA011094	1	Washer M10	
⑤	SCA022383	1	Label - Brush warning	
⑥	SCA014801	1	Brush link, side brush	51
⑦	SCA010009	1	Ram 240/340	50
⑧	SCA013011	1	Top link	49

Side brush pressure, left hand - MYC

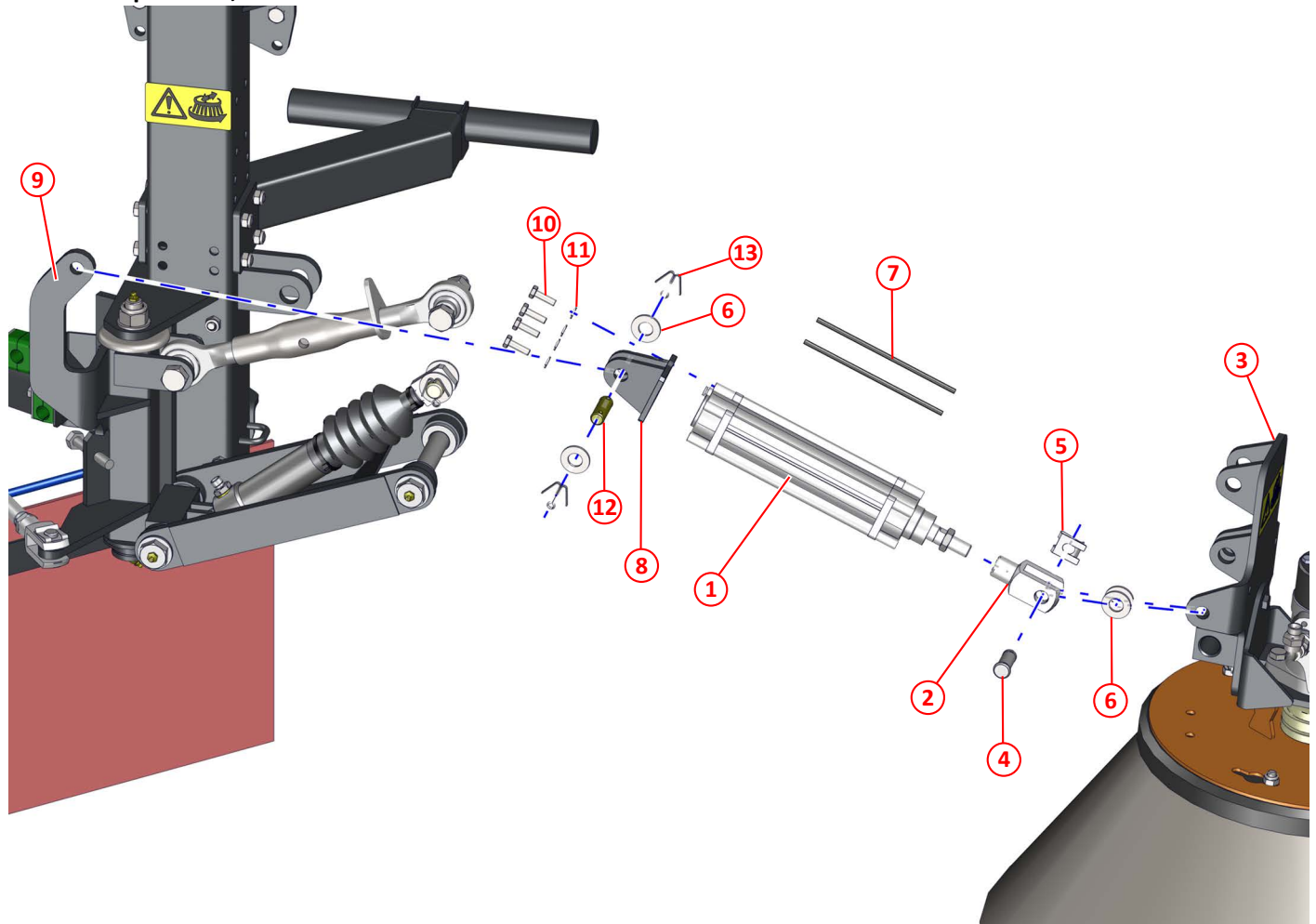


Figure 4: Side brush pressure, left hand - MYC

Item	Part No	Qty	Description	
①	SCA020298	1	Pneumatic cylinder 50 x 160	
②	SCA020299	1	Clevis pneumatic M16 x1.5	
③	SCA023121	1	Swivel plate	47
④	SCA022673	1	Clevis pin (turned)	
⑤	SCA022674	1	Retaining clip M16	
⑥	SCA011135	4	Washer M16	
⑦	SCA014572	2	6mm OD x 1mm WT black air pipe	
⑧	SCA023122	1	Pivot, pneumatic cylinder(50 DIA)	
⑨	SCA023120	1	King post, left hand	52
⑩	SCA011011	4	Setscrew HT M8 x 25	
⑪	SCA011093	4	Spring washer M8	
⑫	SCA023123	1	Pin 16 dia x 46 long	
⑬	SCA011122	2	Split pin 3/16" x 1 1/2"	

Side brush top link, left hand - MYC

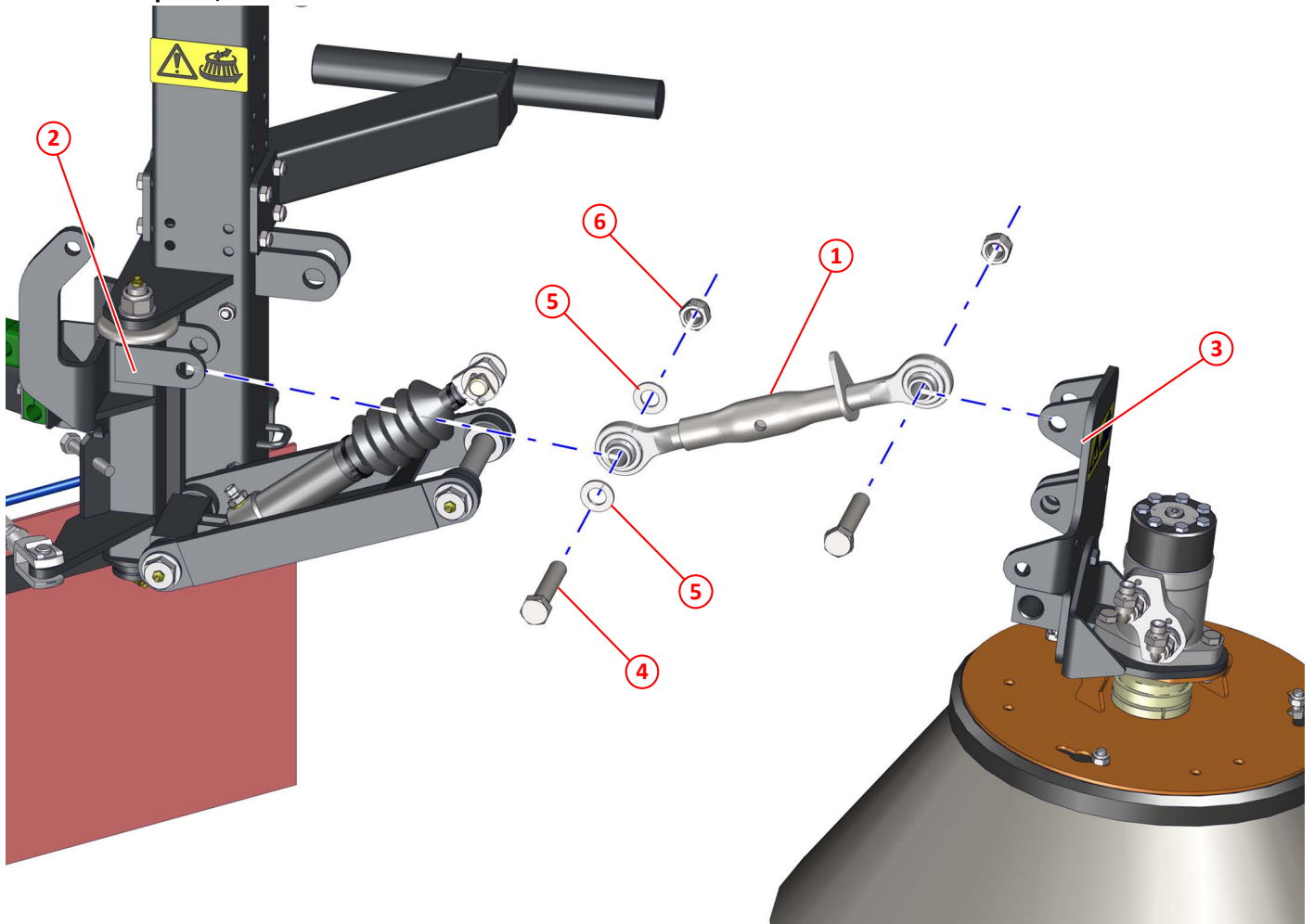


Figure 5: Side brush top link, left hand - MYC

Item	Part No	Qty	Description	
①	SCA013011	1	Top link	
②	SCA023120	1	King post, left hand	52
③	SCA023121	1	Swivel plate	47
④	SCA011140	2	Bolt HT M18 x 90	
⑤	SCA011138	2	Washer M18	
⑥	SCA011139	2	Nyloc nut M18	

Side brush, lift ram, left hand - MYC

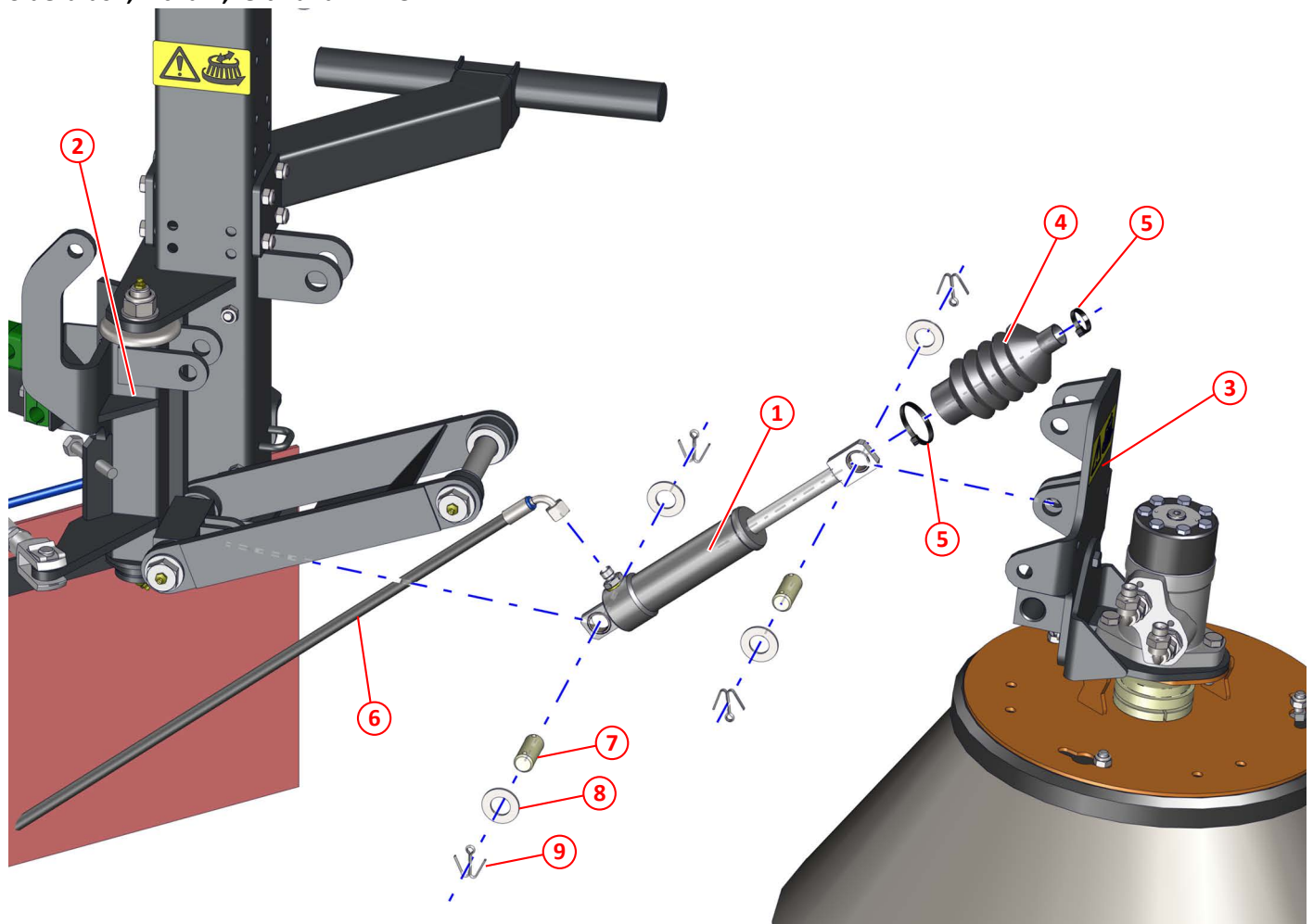


Figure 6: Side brush, lift ram, left hand - MYC

Item	Part No	Qty	Description	
①	SCA010009	1	Ram 240/340	
②	SCA023120	1	King post, left hand	52
③	SCA023121	1	Swivel plate	47
④	SCA014473	1	Bellows, ram	
⑤	SCA005018	2	Cable tie, black, X80R	
⑥	SCA001371	1	Hose 1/4" x 1225 (ST/90)	
⑦	SCA010067	2	Pin 20 x 50	
⑧	SCA011102	4	Washer M20	
⑨	SCA011122	4	Split pin 3/16" x 1 1/2"	

Side brush link, left hand - MYC

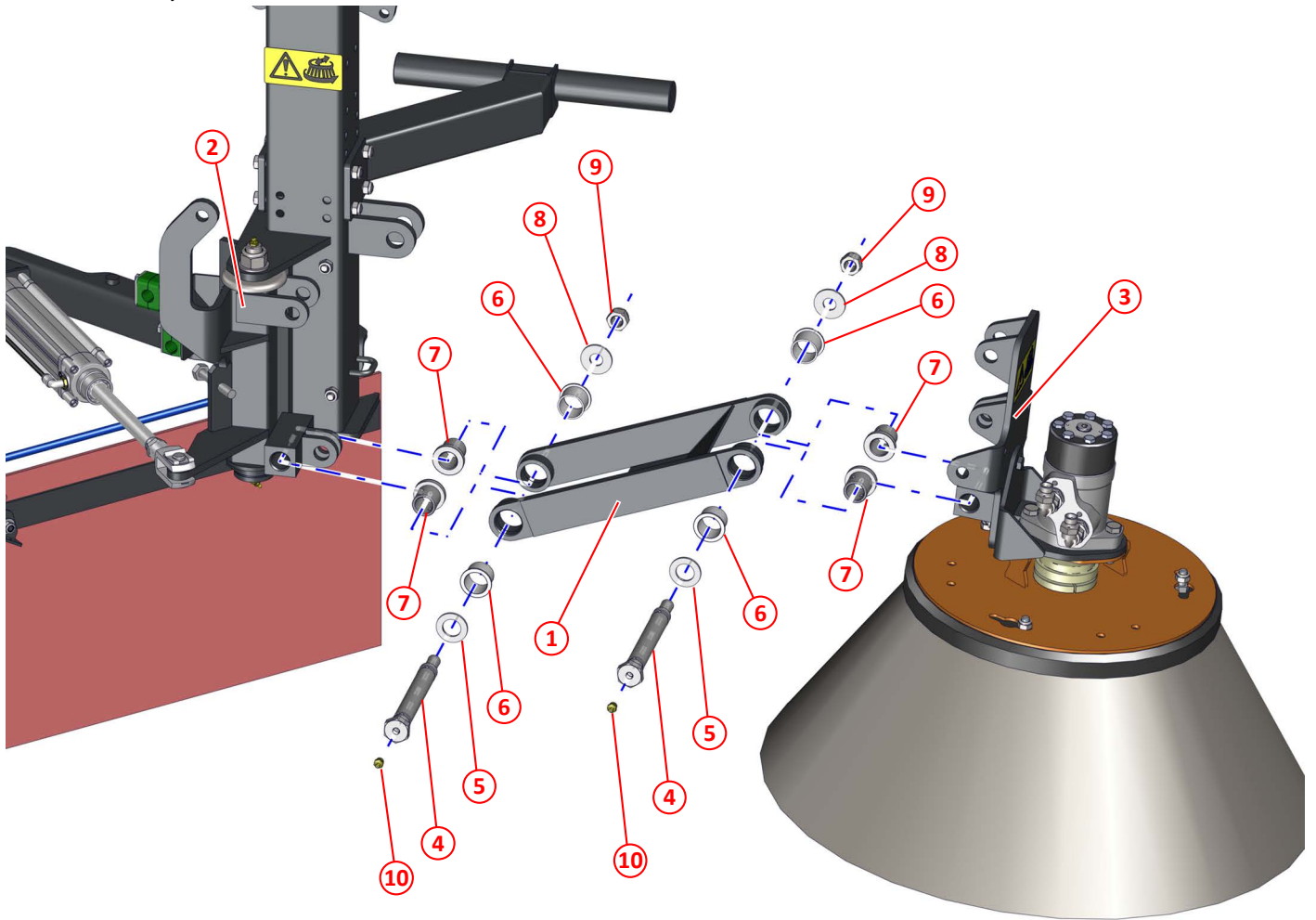


Figure 7: Side brush link, left hand - MYC

Item	Part No	Qty	Description	
①	SCA014801	1	Brush link, side brush	
②	SCA023120	1	King post, left hand	52
③	SCA023121	1	Swivel plate	47
④	SCA014796	2	Pivot bolt, side brush link	
⑤	SCA014798	2	Washer 24x40x3	
⑥	SCA013012	4	Bush	
⑦	SCA014799	4	Space sleeve, side brush	
⑧	SCA014797	2	Washer 17x40x3	
⑨	SCA011060	2	Nyloc nut M16	
⑩	SCA010903	2	Grease nipple 1/8" BSP straight	

Side brush king post, left hand - MYC

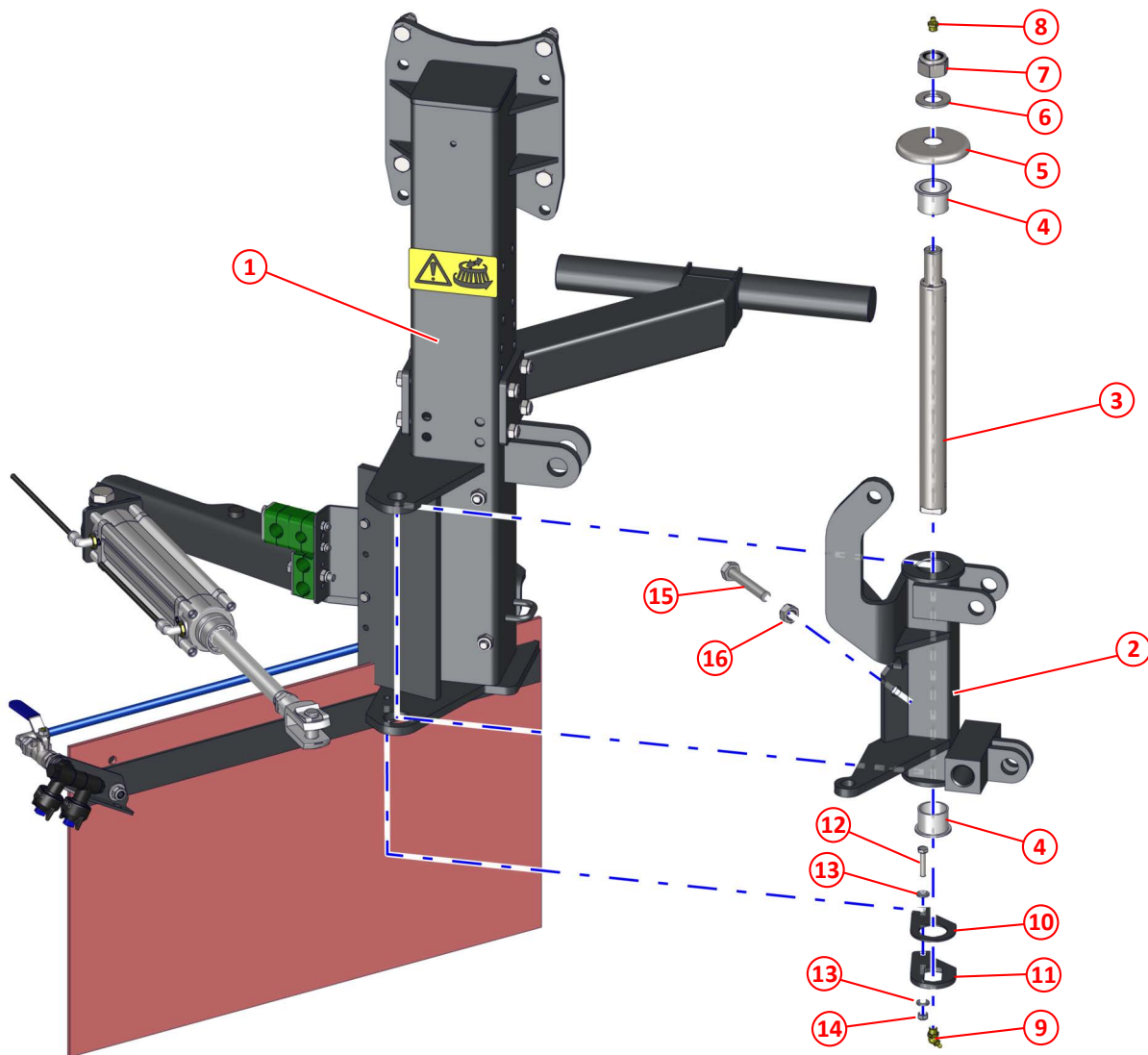


Figure 8: Side brush king post, left hand - MYC

Item	Part No	Qty	Description	
①	SCA034265	1	Subframe leg, left hand	58
②	SCA023120	1	King post, left hand	52
③	SCA013007	1	King pin	
④	SCA013012	2	Bush	
⑤	SCA013013	1	Dirt shield	
⑥	SCA011102	1	Washer M20	
⑦	SCA011082	1	Nyloc nut M20	
⑧	SCA010903	1	Grease nipple 1/8" BSP straight	
⑨	SCA010901	1	Grease nipple 1/8" BSP x 135 degree	
⑩	SCA048997	1	King pin thin locking plate	
⑪	SCA048998	1	King pin thick locking plate	
⑫	SCA000020	1	Setscrew HT M6 x 30	
⑬	SCA000254	2	Washer M6, stainless steel	
⑭	SCA000253	1	Nyloc nut M6, stainless steel	
⑮	SCA000521	1	Setscrew HT M12 x 70 BZP	
⑯	SCA011076	1	Full nut M12	

Side brush swing out, left hand - MYC

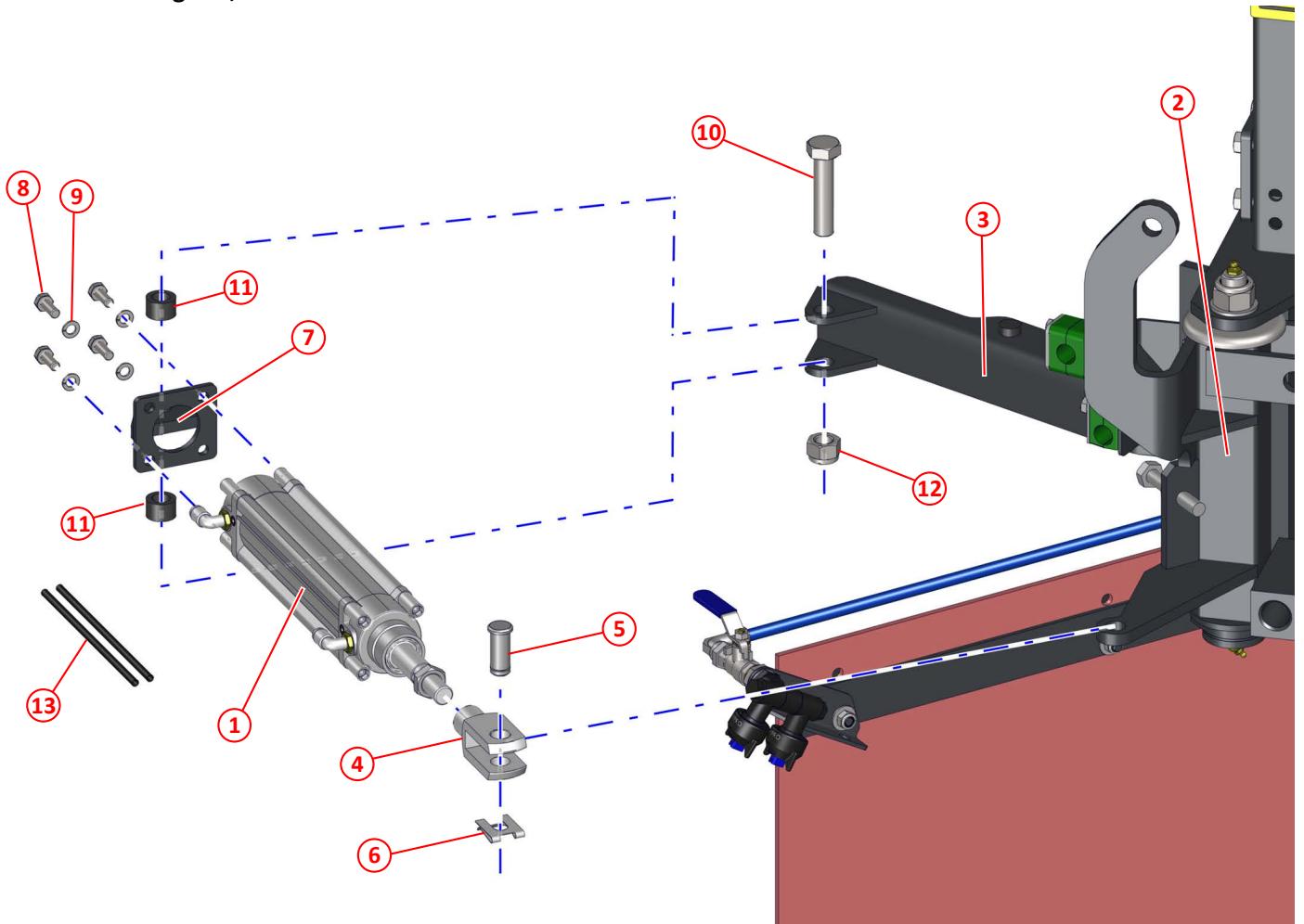


Figure 9: Side brush swing out, left hand - MYC

Item	Part No	Qty	Description	
①	SCA020298	1	Pneumatic cylinder 50 x 160	
②	SCA023120	1	King post, left hand	52
③	SCA021721	1	Swing out arm, left hand	54
④	SCA020299	1	Clevis pneumatic M16 x1.5	
⑤	SCA022673	1	Clevis pin (turned)	
⑥	SCA022674	1	Retaining clip M16	
⑦	SCA020534	1	Ram end	
⑧	SCA011010	4	Setscrew HT M8 x 20	
⑨	SCA011093	4	Spring washer M8	
⑩	SCA011260	1	Bolt HT M16 x 70	
⑪	SCA011000	2	Hose 5/8" fuel SAE100R6 - Cut to 15mm long	
⑫	SCA011060	1	Nyloc nut M16	
⑬	SCA014572	2	6mm OD x 1mm WT black air pipe	

Side brush swing out arm, left hand - MYC

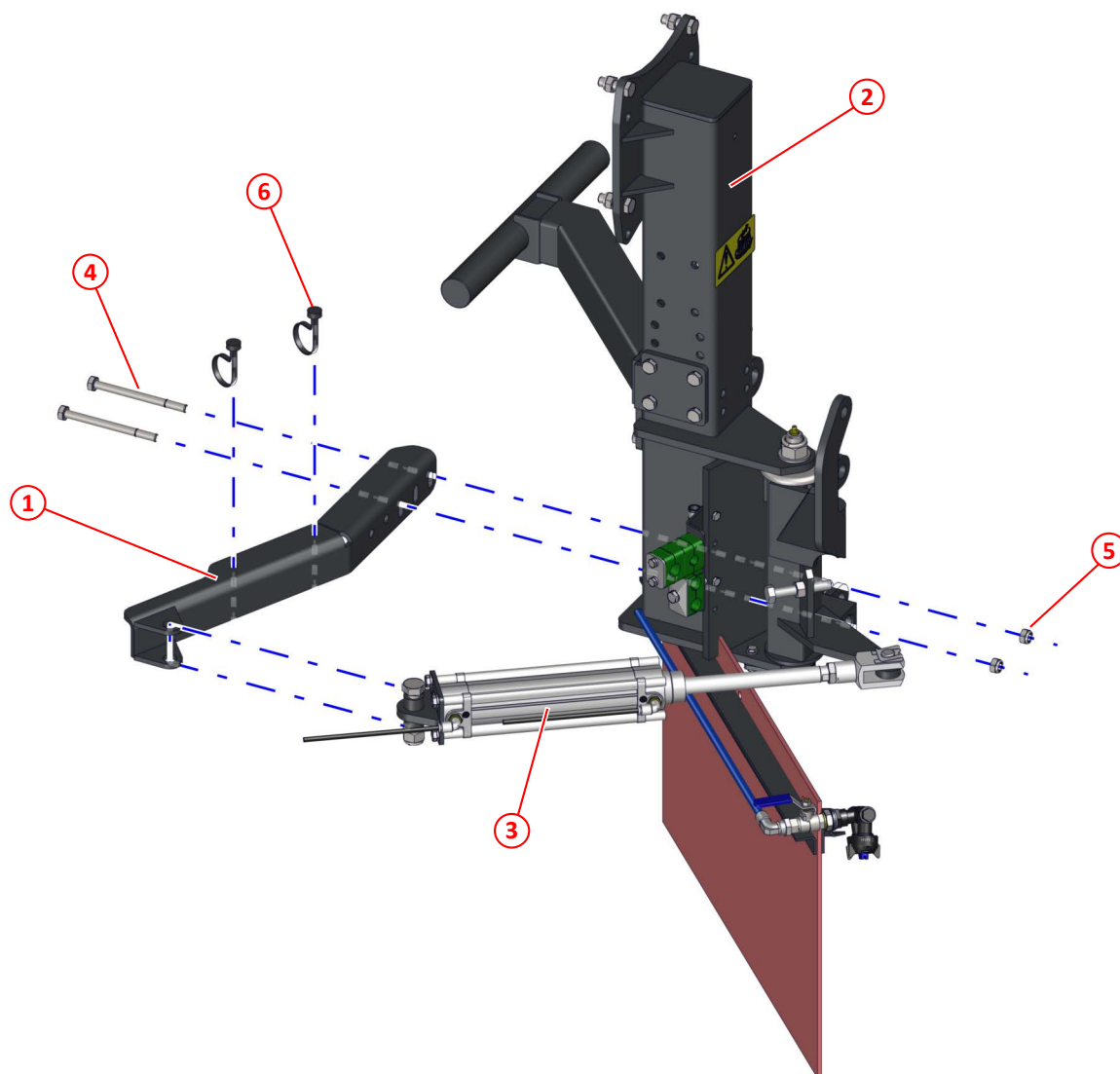


Figure 10: Side brush swing out arm, left hand - MYC

Item	Part No	Qty	Description	
①	SCA021721	1	Swing out arm	
②	SCA034265	1	Subframe leg, left hand	58
③	SCA020298	1	Pneumatic cylinder 50 x 160	
④	SCA011407	2	Bolt HT M10 x 120	
⑤	SCA011075	2	Nyloc nut M10	
⑥	005061	2	Cable tie, round head	

Side brush hose tidy, left hand - MYC

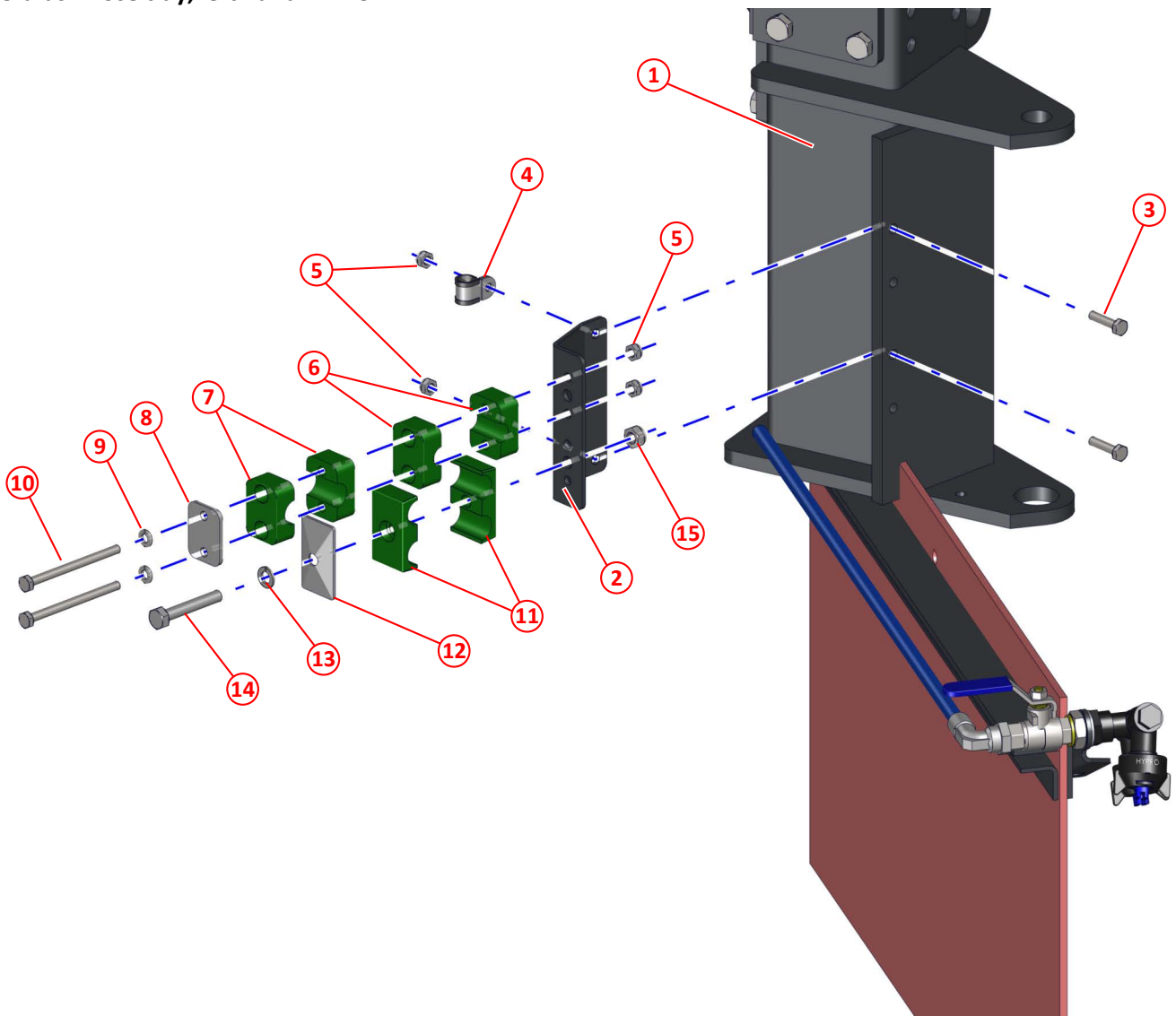


Figure 11: Side brush hose tidy, left hand - MYC

Item	Part No	Qty	Description	
①	SCA034265	1	Subframe leg, left hand	58
②	SCA031306	1	Clamp support lower	
③	SCA011087	2	Setscrew HT M6 x 25	
④	SCA021914	1	Clip 12 dia, rubber sealed	
⑤	SCA011071	4	Nyloc nut M6	
⑥	SCA031316	2	Clamp 1/4" hose, single	
⑦	SCA002163	2	Pipe clamp block 17.2, single	
⑧	SCA031317	1	Clamp flat plate	
⑨	SCA011091	2	Spring washer M6	
⑩	SCA000221	2	Bolt M6 x 80	
⑪	SCA031318	2	Clamp 3/8" hose, twin	
⑫	SCA031319	1	Clamp plate flat	
⑬	SCA011093	1	Spring washer M8	
⑭	SCA011016	1	Setscrew HT M8 x 50	
⑮	SCA011073	1	Nyloc nut M8	

Side brush skirt, left hand - MYC

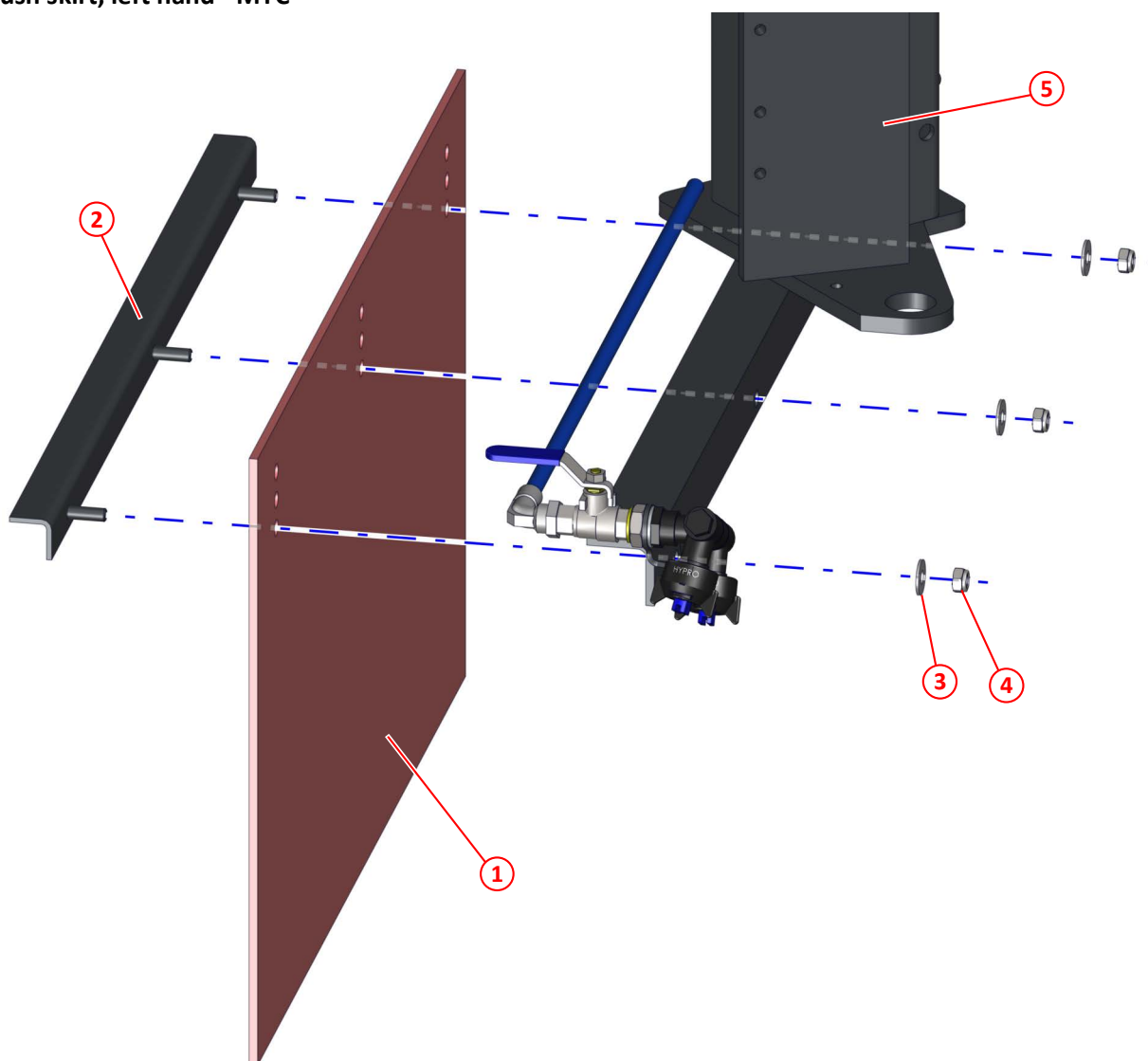


Figure 12: Side brush skirt, left hand - MYC

Item	Part No	Qty	Description	
①	SCA010247	1	Side brush skirt, 3 pitch, heavy duty	
②	SCA010275	1	Skirt clamp	
③	SCA011092	3	Washer M8	
④	SCA011073	3	Nyloc nut M8	
⑤	SCA034265	1	Subframe leg, left hand	58

Side brush water jets, left hand - MYC

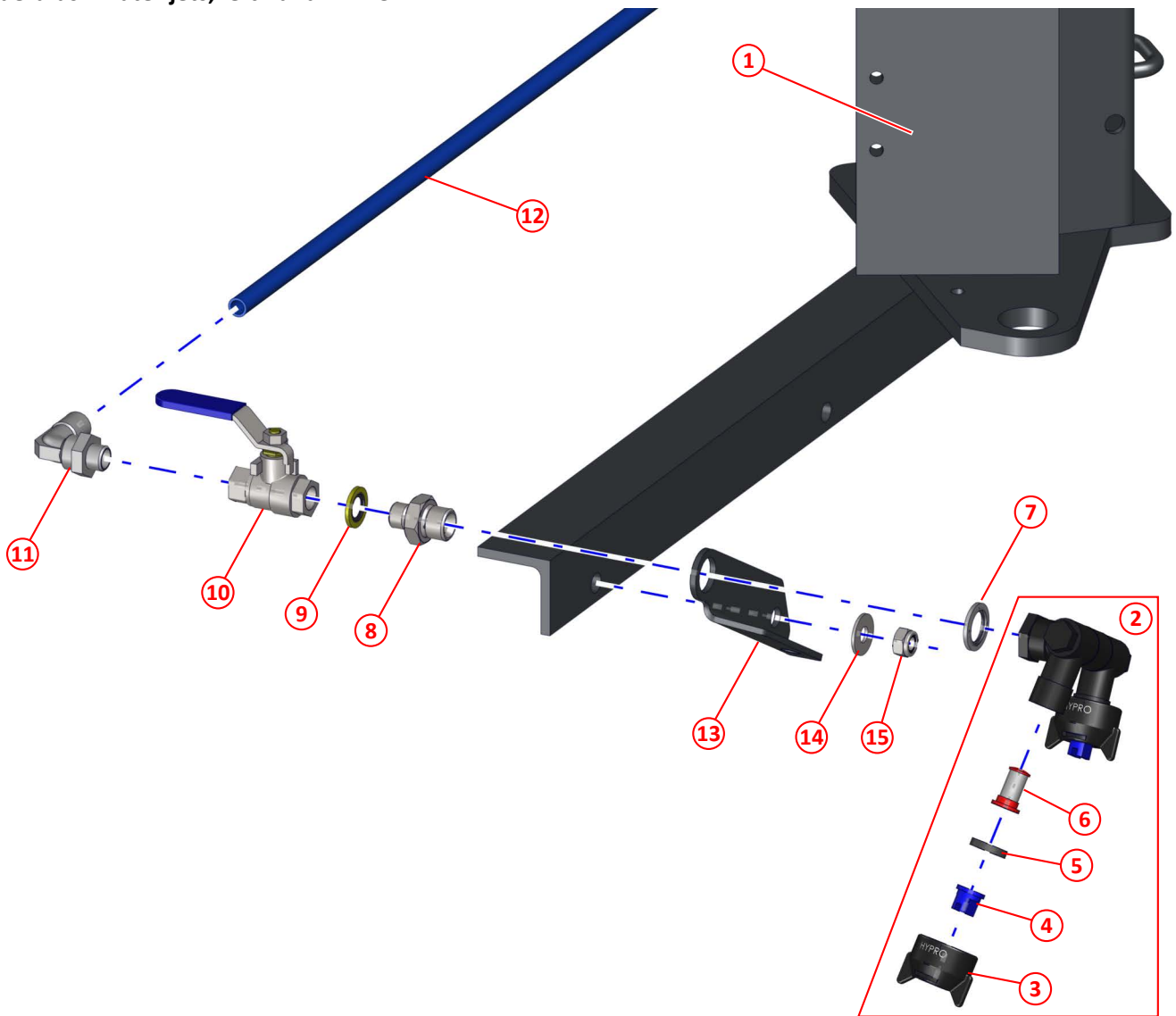


Figure 13: Side brush water jets, left hand - MYC

Item	Part No	Qty	Description	
①	SCA034265	1	Subframe leg, left hand	58
②	SCA036044	1	Double swivel nozzle holder assembly, complete	
③	SCA030746	1	Cone nozzle cap	
④	SCA030748	1	Jet (blue)	
⑤	SCA030636	1	Rubber washer	
⑥	SCA030633	1	Filter, mesh 100	
⑦	SCA011153	1	Dowty seal 3/8" BSP	
⑧	SCA011199	1	Adapter 3/8" x 1/4" BSP	
⑨	SCA011152	1	Dowty seal 1/4" BSP	
⑩	SCA011743	1	Valve 1/4" BSP, ball	
⑪	SCA047602	1	Elbow, push in 10mm x 1/4" BSP	
⑫	SCA041031	1	10mm OD Nylon pipe, blue	
⑬	SCA036042	1	Nozzle bracket, right hand (left hand for M6 and Maven 65)	
⑭	SCA011092	1	Washer M8	
⑮	SCA011073	1	Nyloc nut M8	

Side brush leg and central brush mount, left hand - MYC

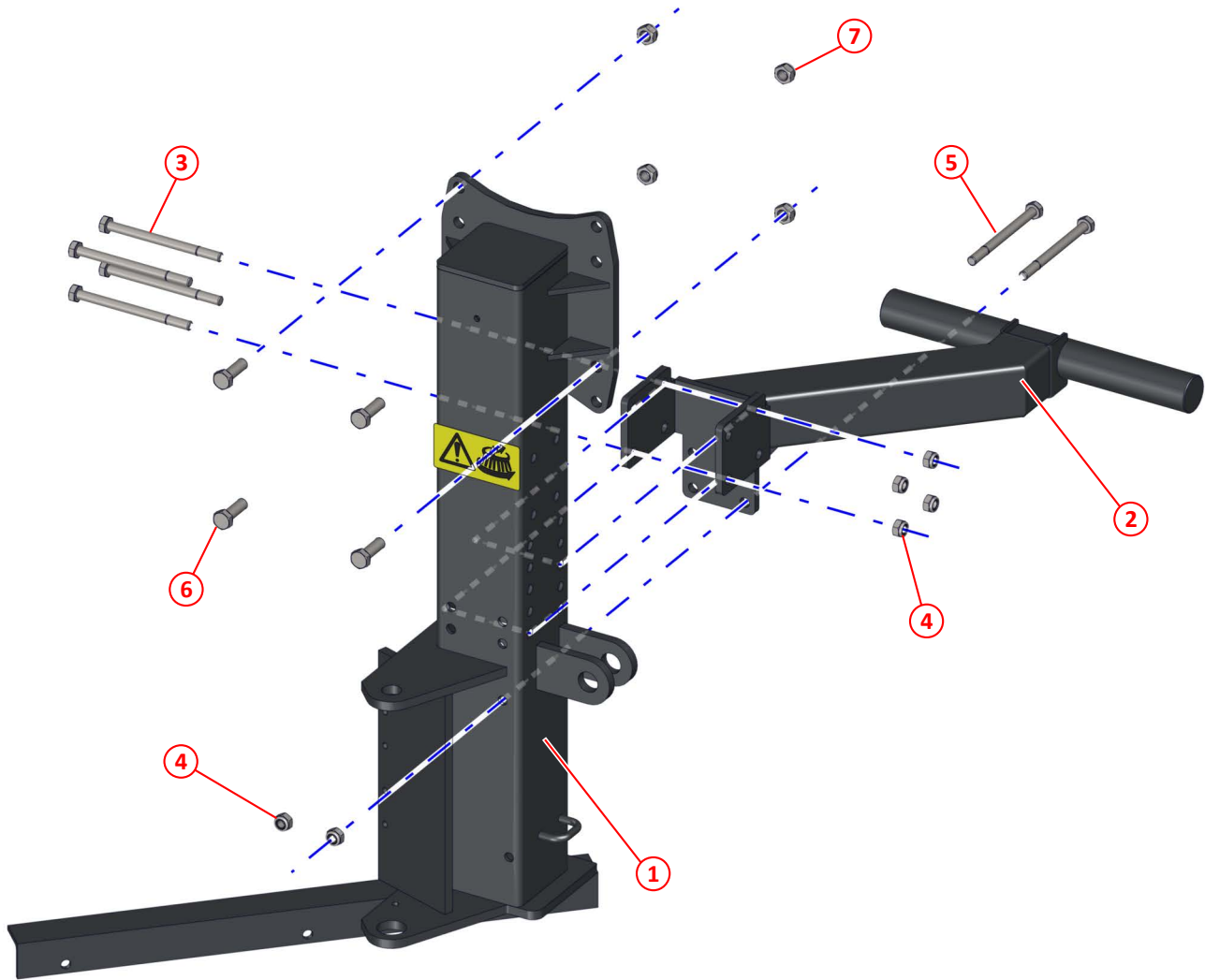


Figure 14: Side brush leg and central brush mount, left hand - MYC

Item	Part No	Qty	Description
①	SCA034265	1	Subframe leg, left hand
②	SCA034334	1	Wide sweep adjustable mount, left hand
③	SCA000075	4	Bolt HT M10 x 130
④	SCA011075	6	Nyloc nut M10
⑤	SCA011407	2	Bolt HT 10 x 120
⑥	SCA011053	4	Setscrew HT M12 x 35
⑦	SCA011077	4	Nyloc nut M12
⑧	SCA022383	1	Label - Brush warning

Side brush arrangement, right hand - MYC

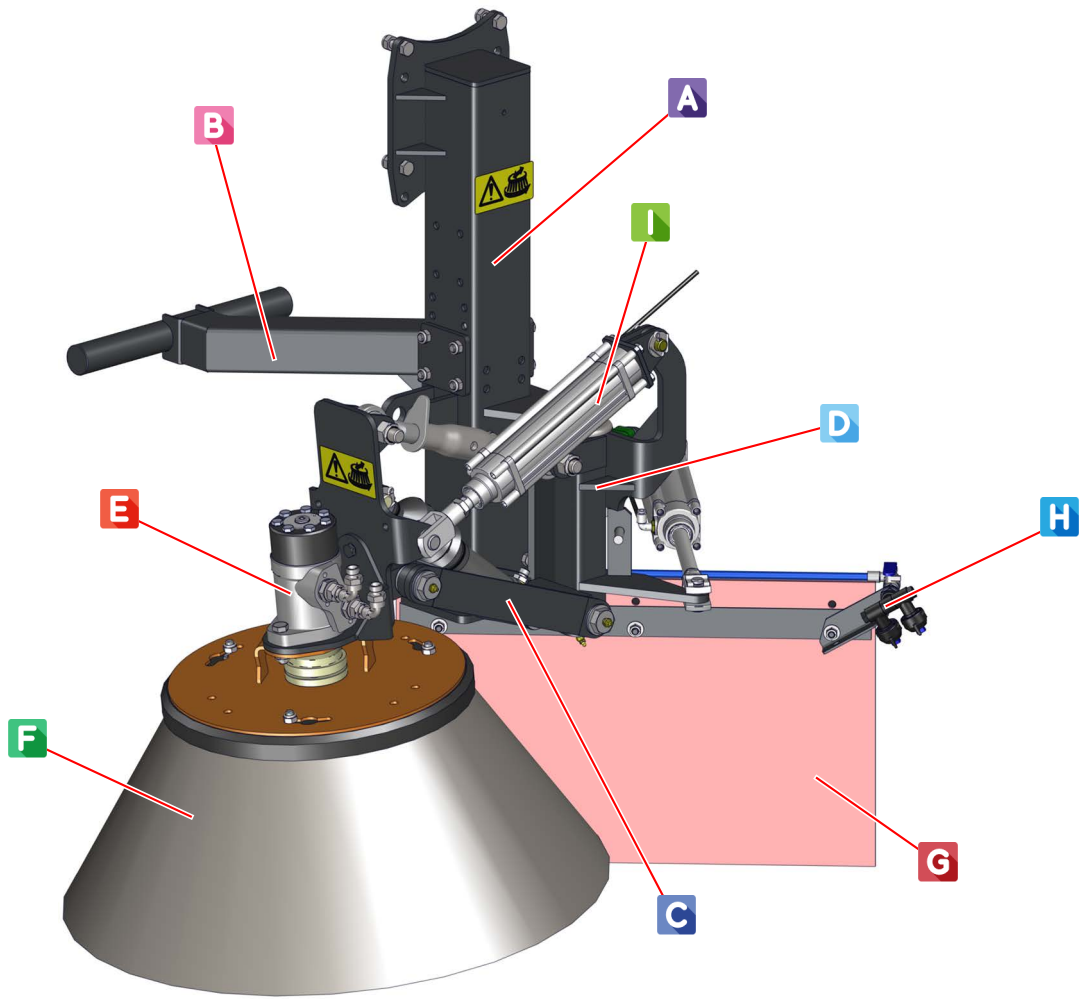


Figure 15: Side brush arrangement, right hand - MYC

Item	Part No	Qty	Description	
A	SCA034266	1	Subframe leg, right hand	72
B	SCA034335	1	Wide sweep adjustable mount, right hand	72
C			Side brush raise/lower assembly, right hand	61,63,64,65
D			Side brush king post, swing in/out arrangement, right hand	66
E			Side brush motor assembly, right hand	60
F			Side brushes	60
G			Front skirt, side brush, right hand	70
H			Side brush dual water spray, right hand	71
I			Side brush pressure cylinder (option), right hand	62

Side brush motor, hub and mount, right hand - MYC

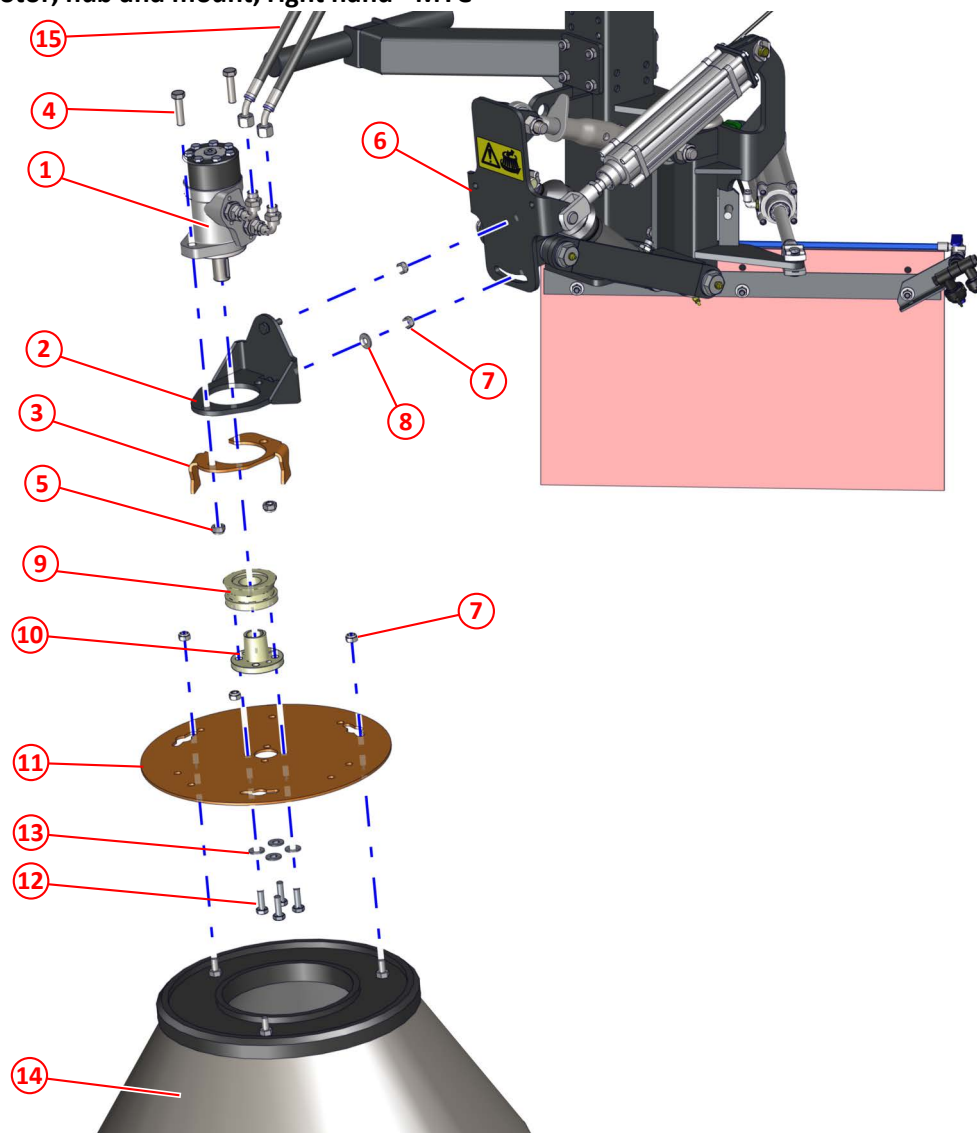


Figure 16: Side brush motor, hub and mount, right hand - MYC

Item	Part No	Qty	Description	
①	SCA010749	1	Motor 3597 (OMP 200)	
②	SCA047485	1	Motor bracket, side brush bolt hub	
③	SCA049582	1	Tape cutter, right hand	
④	SCA011054	2	Setscrew HT M12 x 45	
⑤	SCA011077	2	Nyloc nut M12	
⑥	SCA023121	1	Swivel plate	61
⑦	SCA011075	5	Nyloc nut M10	
⑧	SCA011094	1	Washer M10	
⑨	SCA047482	1	Plate hub	
⑩	SCA047481	1	Sprung hub	
⑪	SCA047484	1	Brush hub 7000 / side brush bolt hub	
⑫	SCA000461	4	Setscrew HT M10 x 30, stainless steel	
⑬	SCA000270	4	Washer M10, stainless steel	
⑭	SCA040136	1	Brush side 400 - 700 dia, steel	
⑮	SCA001372	2	Hose 3/8 x 1400 (ST/45)	

Side brush swivel plate, right hand - MYC

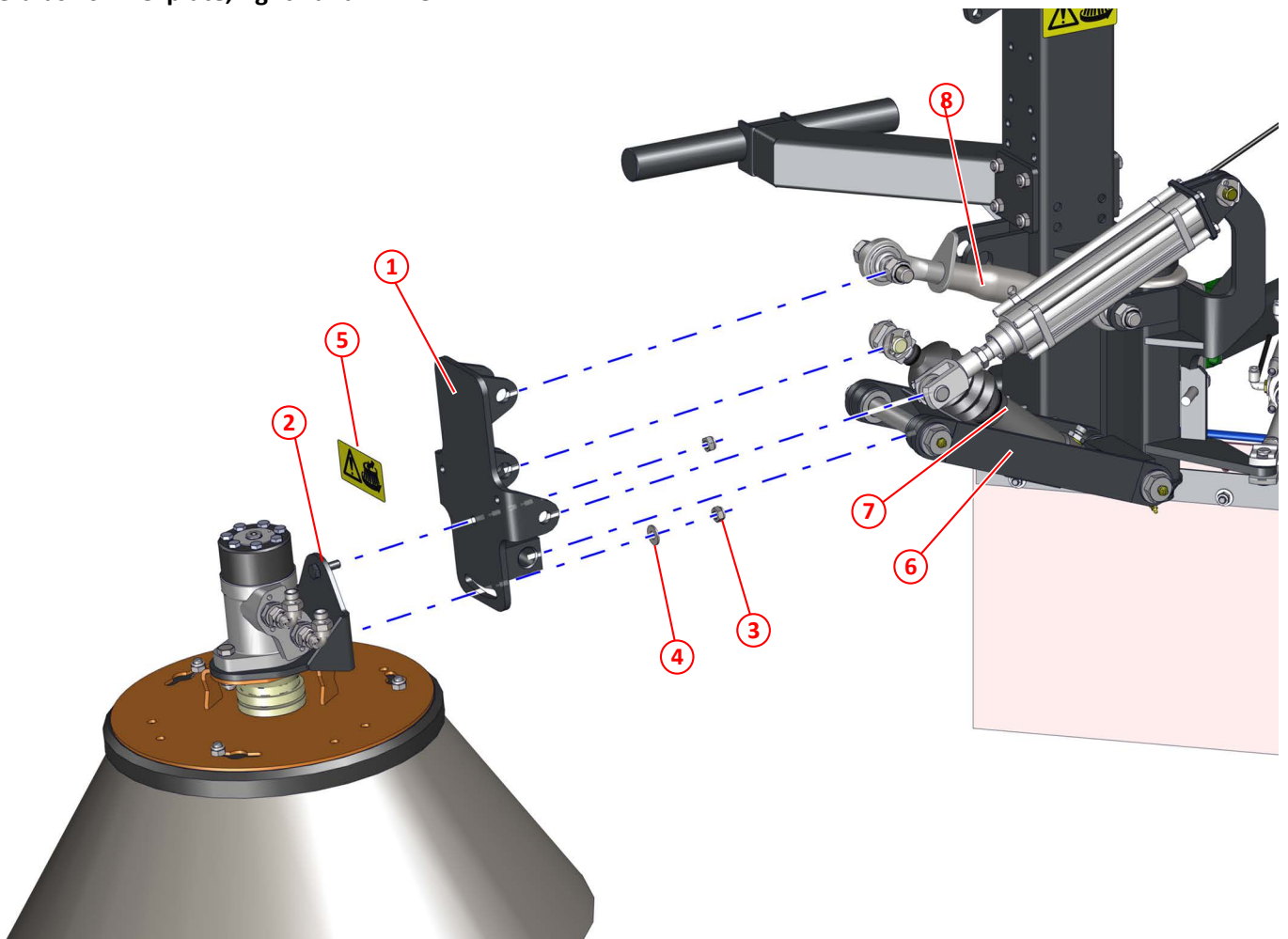


Figure 17: Side brush swivel plate, right hand - MYC

Item	Part No	Qty	Description	
①	SCA023121	1	Swivel plate	
②	SCA047485	1	Motor bracket, side brush bolt hub	60
③	SCA011075	2	Nyloc nut M10	
④	SCA011094	1	Washer M10	
⑤	SCA022383	1	Label - Brush warning	
⑥	SCA014801	1	Brush link, side brush	65
⑦	SCA010009	1	Ram 240/340	64
⑧	SCA013011	1	Top link	63

Side brush pressure, right hand - MYC

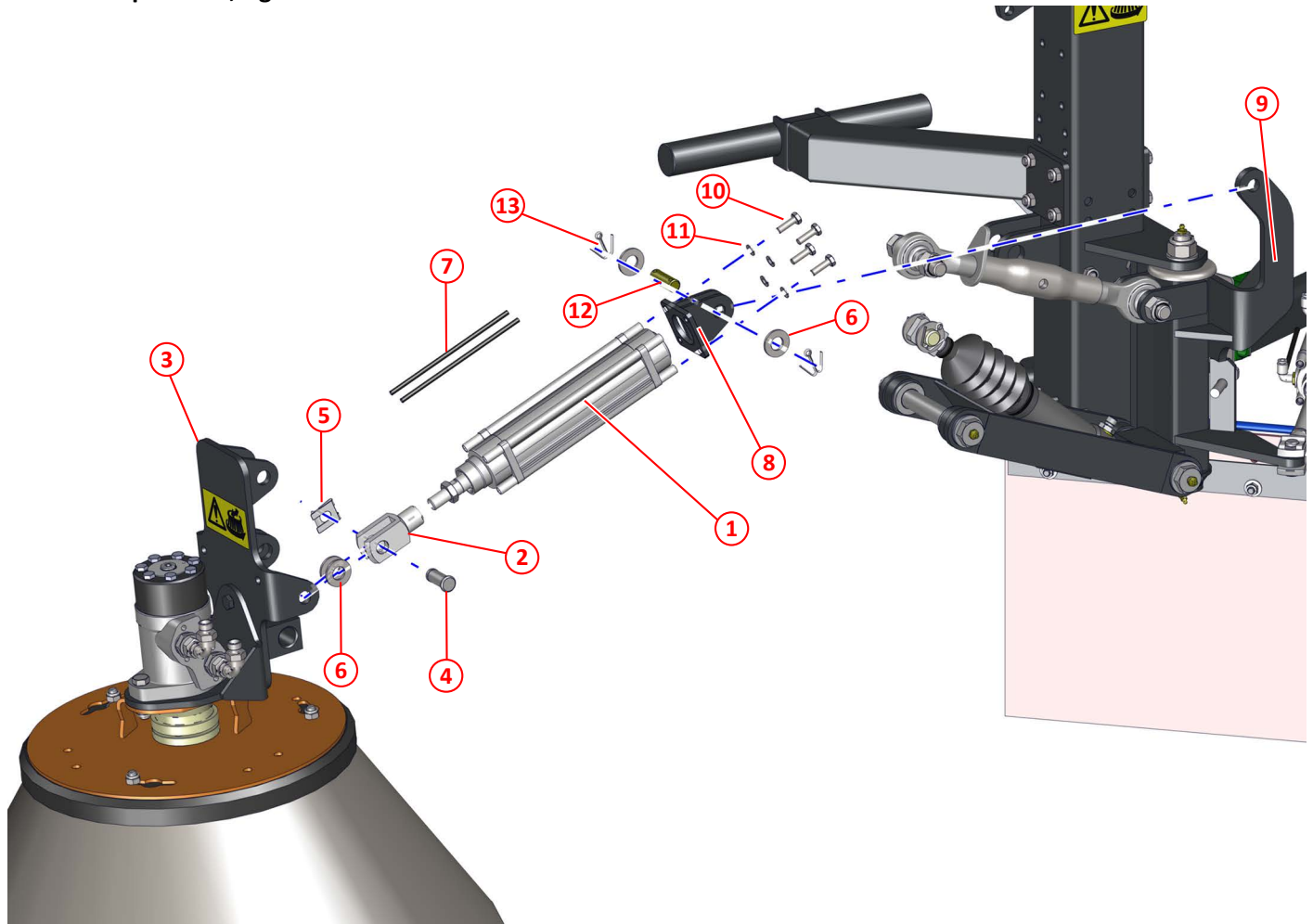


Figure 18: Side brush pressure, right hand - MYC

Item	Part No	Qty	Description	
①	SCA020298	1	Pneumatic cylinder 50 x 160	
②	SCA020299	1	Clevis pneumatic M16 x1.5	
③	SCA023121	1	Swivel plate	61
④	SCA022673	1	Clevis pin (turned)	
⑤	SCA022674	1	Retaining clip M16	
⑥	SCA011135	4	Washer M16	
⑦	SCA014572	2	6mm OD X 1mm WT black air pipe	
⑧	SCA023122	1	Pivot, pneumatic cylinder(50 DIA)	
⑨	SCA023124	1	King post, right hand	66
⑩	SCA011011	4	Setscrew HT M8 x 25	
⑪	SCA011093	4	Spring washer M8	
⑫	SCA023123	1	Pin 16 dia x 46 long	
⑬	SCA011122	2	Split pin 3/16" x 1 1/2"	

Side brush top link, right hand - MYC

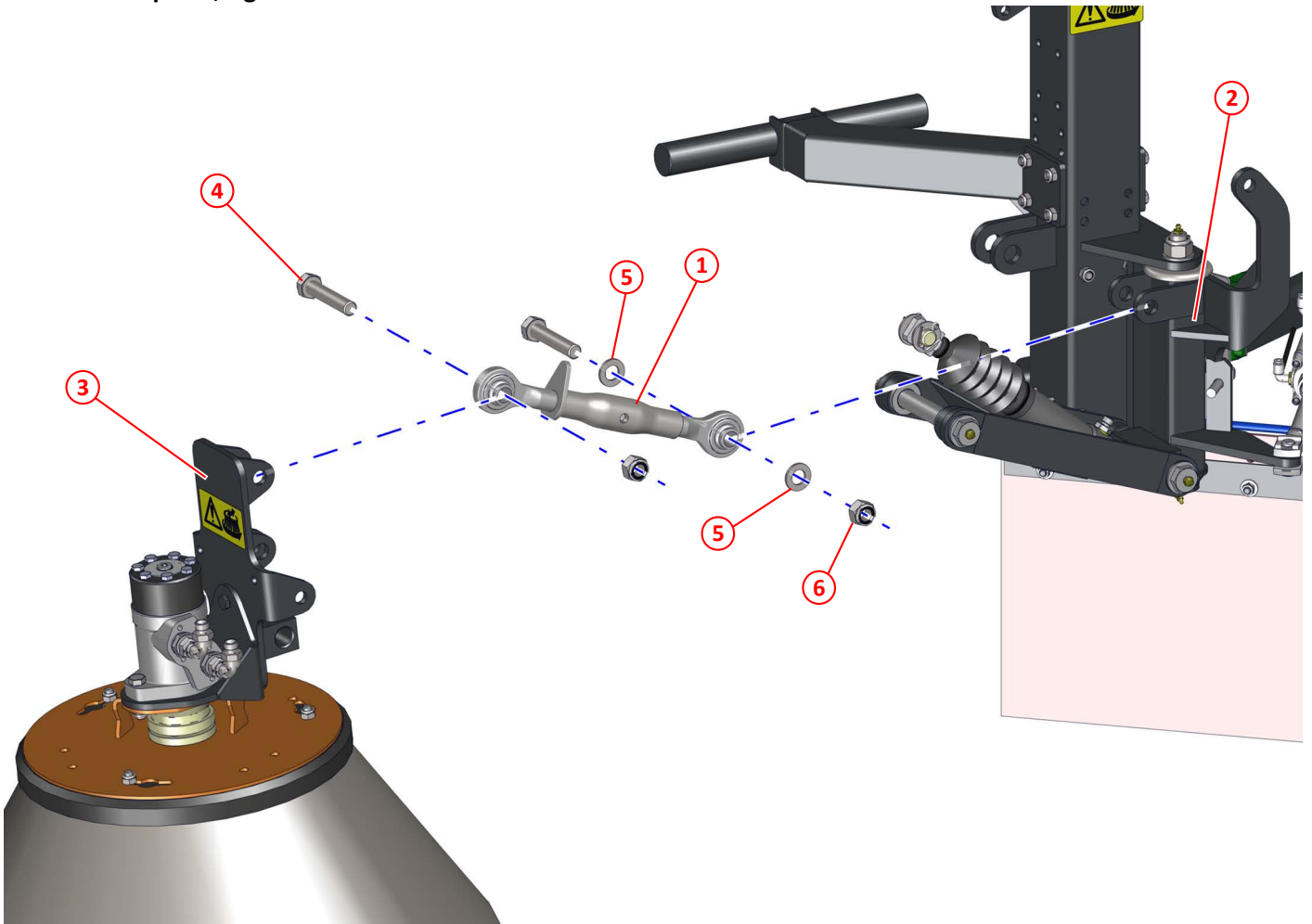


Figure 19: Side brush top link, right hand - MYC

Item	Part No	Qty	Description	
①	SCA013011	1	Top link	
②	SCA023124	1	King post, right hand	66
③	SCA023121	1	Swivel plate	61
④	SCA011140	2	Bolt HT M18 x 90	
⑤	SCA011138	2	Washer M18	
⑥	SCA011139	2	Nyloc nut M18	

Side brush, lift ram, right hand - MYC

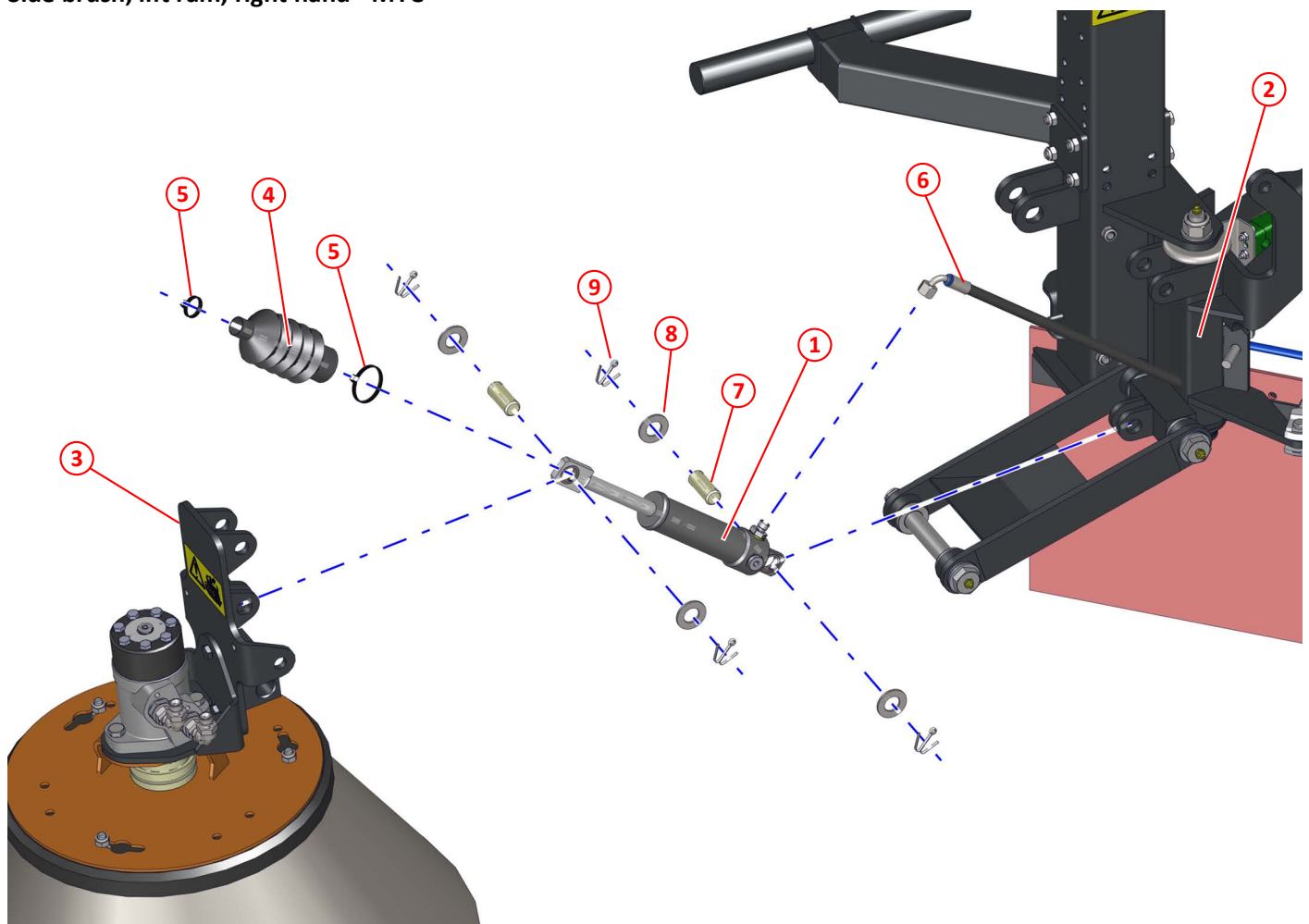


Figure 20: Side brush, lift ram, right hand - MYC

Item	Part No	Qty	Description	
①	SCA010009	1	Ram 240/340	
②	SCA023124	1	King post, right hand	66
③	SCA023121	1	Swivel plate	61
④	SCA014473	1	Bellows, ram	
⑤	SCA005018	2	Cable tie, black, X80R	
⑥	SCA001371	1	Hose 1/4" x 1225 (ST/90)	
⑦	SCA010067	2	Pin 20 x 50	
⑧	SCA011102	4	Washer M20	
⑨	SCA011122	4	Split pin 3/16" x 1 1/2"	

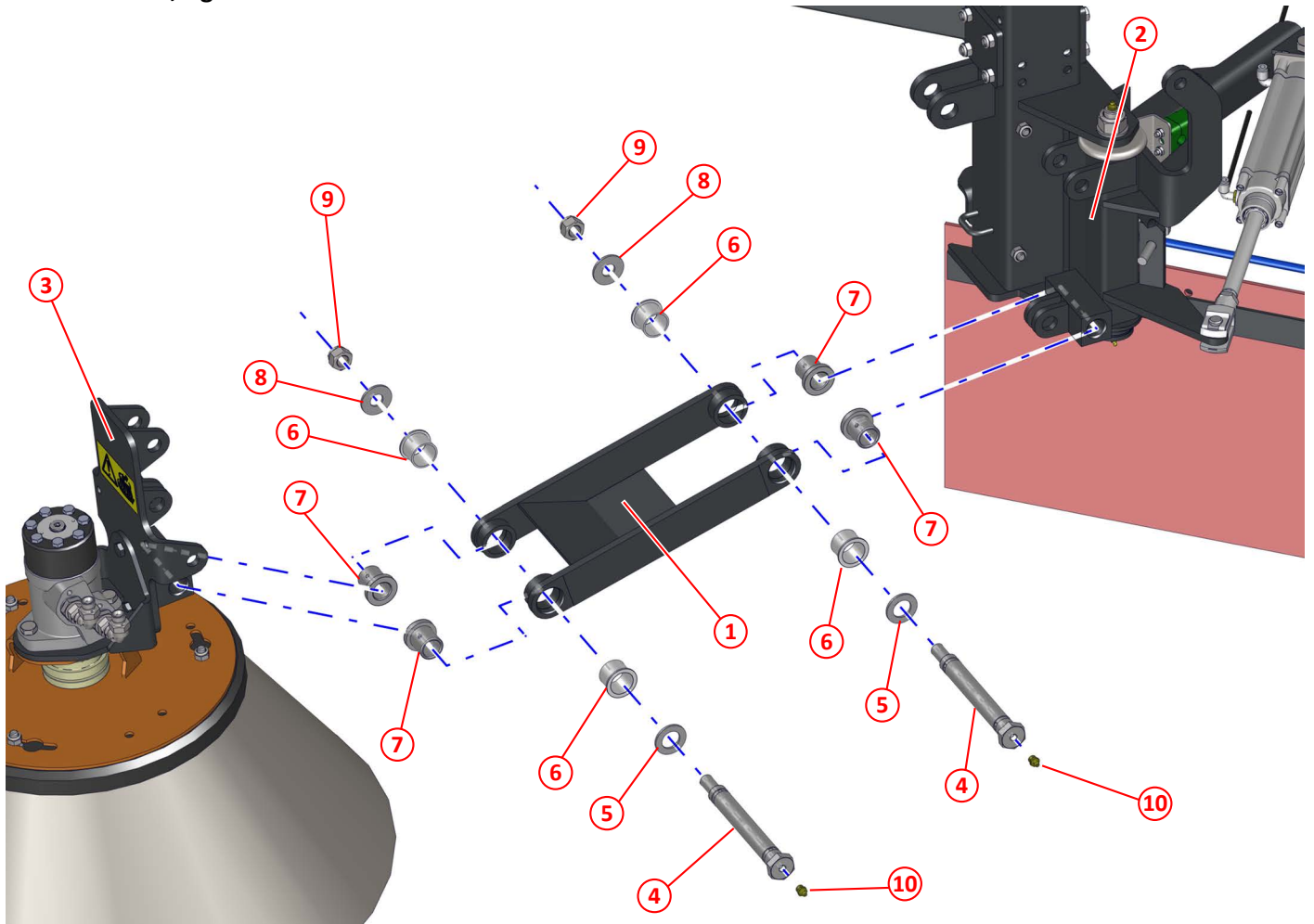


Figure 21: Side brush link, right hand - MYC

Item	Part No	Qty	Description	
①	SCA014801	1	Brush link, side brush	
②	SCA023124	1	King post, right hand	66
③	SCA023121	1	Swivel plate	61
④	SCA014796	2	Pivot bolt, side brush link	
⑤	SCA014798	2	Washer 24x40x3	
⑥	SCA013012	4	Bush	
⑦	SCA014799	4	Space sleeve, side brush	
⑧	SCA014797	2	Washer 17x40x3	
⑨	SCA011060	2	Nyloc nut M16	
⑩	SCA010903	2	Grease nipple 1/8" BSP straight	

Side brush king post, right hand - MYC

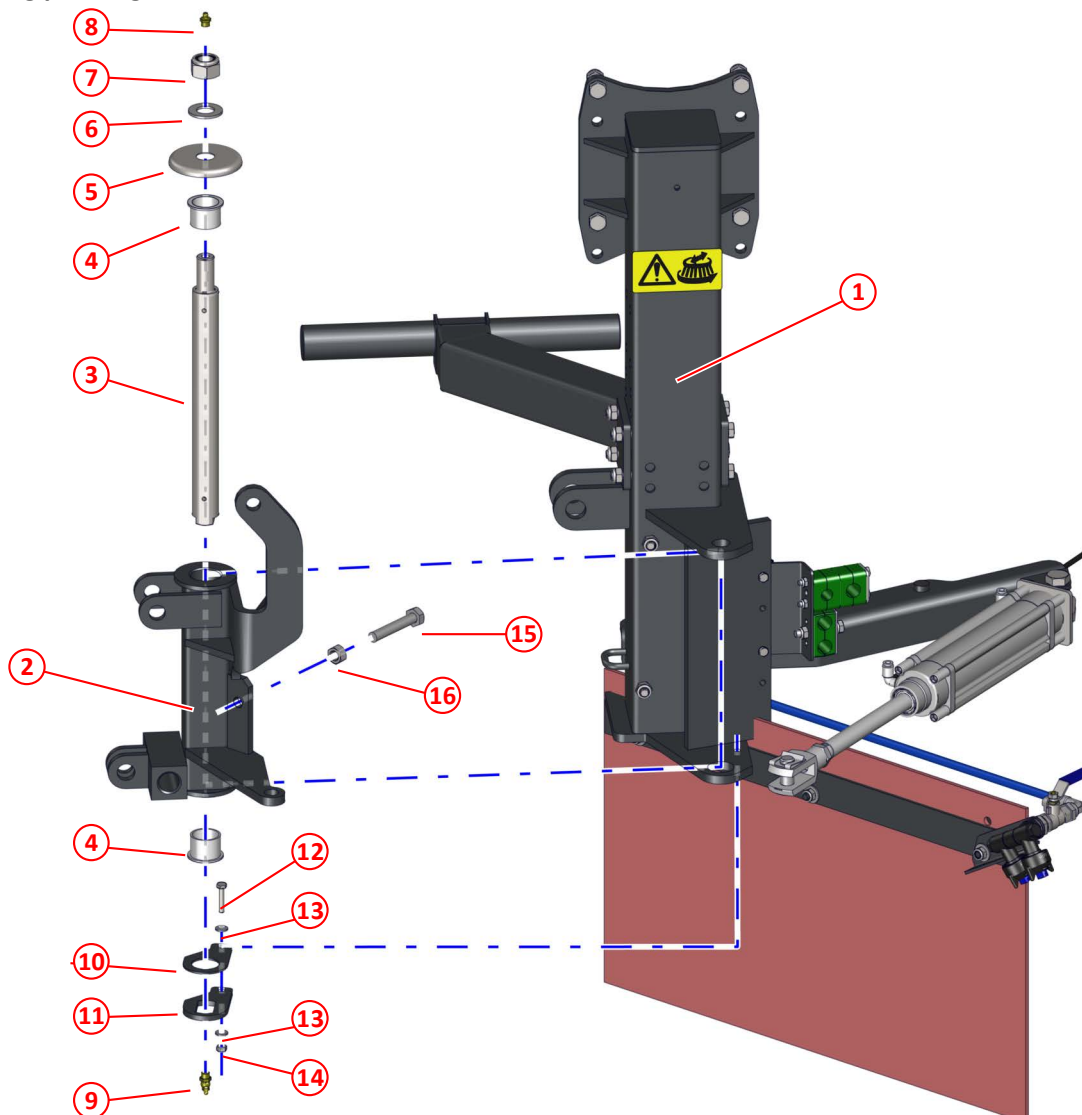


Figure 22: Side brush king post, right hand - MYC

Item	Part No	Qty	Description	
①	SCA034266	1	Subframe leg, right hand	72
②	SCA023124	1	King post, right hand	66
③	SCA013007	1	King pin	
④	SCA013012	2	Bush	
⑤	SCA013013	1	Dirt shield	
⑥	SCA011102	1	Washer M20	
⑦	SCA011082	1	Nyloc nut M20	
⑧	SCA010903	1	Grease nipple 1/8" BSP straight	
⑨	SCA010901	1	Grease nipple 1/8" BSP x 135 degree	
⑩	SCA048997	1	King pin thin locking plate	
⑪	SCA048998	1	King pin thick locking plate	
⑫	SCA000020	1	Setscrew HT M6 x 30	
⑬	SCA000254	2	Washer M6, stainless steel	
⑭	SCA000253	1	Nyloc nut M6, stainless steel	
⑮	SCA000521	1	Setscrew HT M12 x 70 BZP	
⑯	SCA011076	1	Full nut M12	

Side brush swing out, right hand - MYC

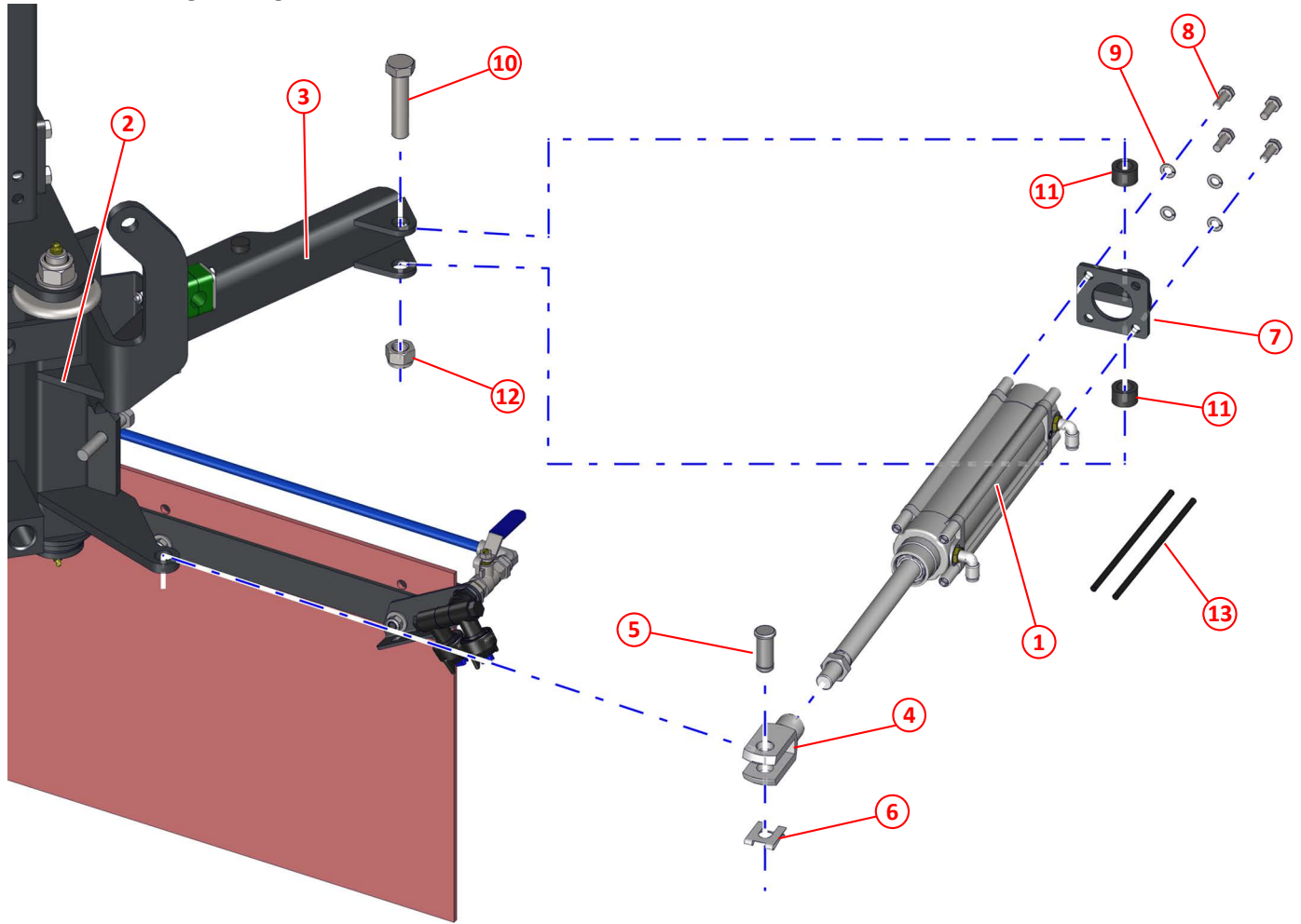


Figure 23: Side brush swing out, right hand - MYC

Item	Part No	Qty	Description	
①	SCA020298	1	Pneumatic cylinder 50 x 160	
②	SCA023124	1	King post, right hand	66
③	SCA021722	1	Swing out arm, right hand	67
④	SCA020299	1	Clevis pneumatic M16 x1.5	
⑤	SCA022673	1	Clevis pin (turned)	
⑥	SCA022674	1	Retaining clip M16	
⑦	SCA020534	1	Ram end	
⑧	SCA011010	4	Setscrew HT M8 x 20	
⑨	SCA011093	4	Spring washer M8	
⑩	SCA011260	1	Bolt HT M16 x 70	
⑪	SCA011000	2	Hose 5/8" fuel SAE100R6 - Cut to 15mm long	
⑫	SCA011060	1	Nyloc nut M16	
⑬	SCA014572	2	6mm OD x 1mm WT black air pipe	

Side brush swing out arm, right hand - MYC

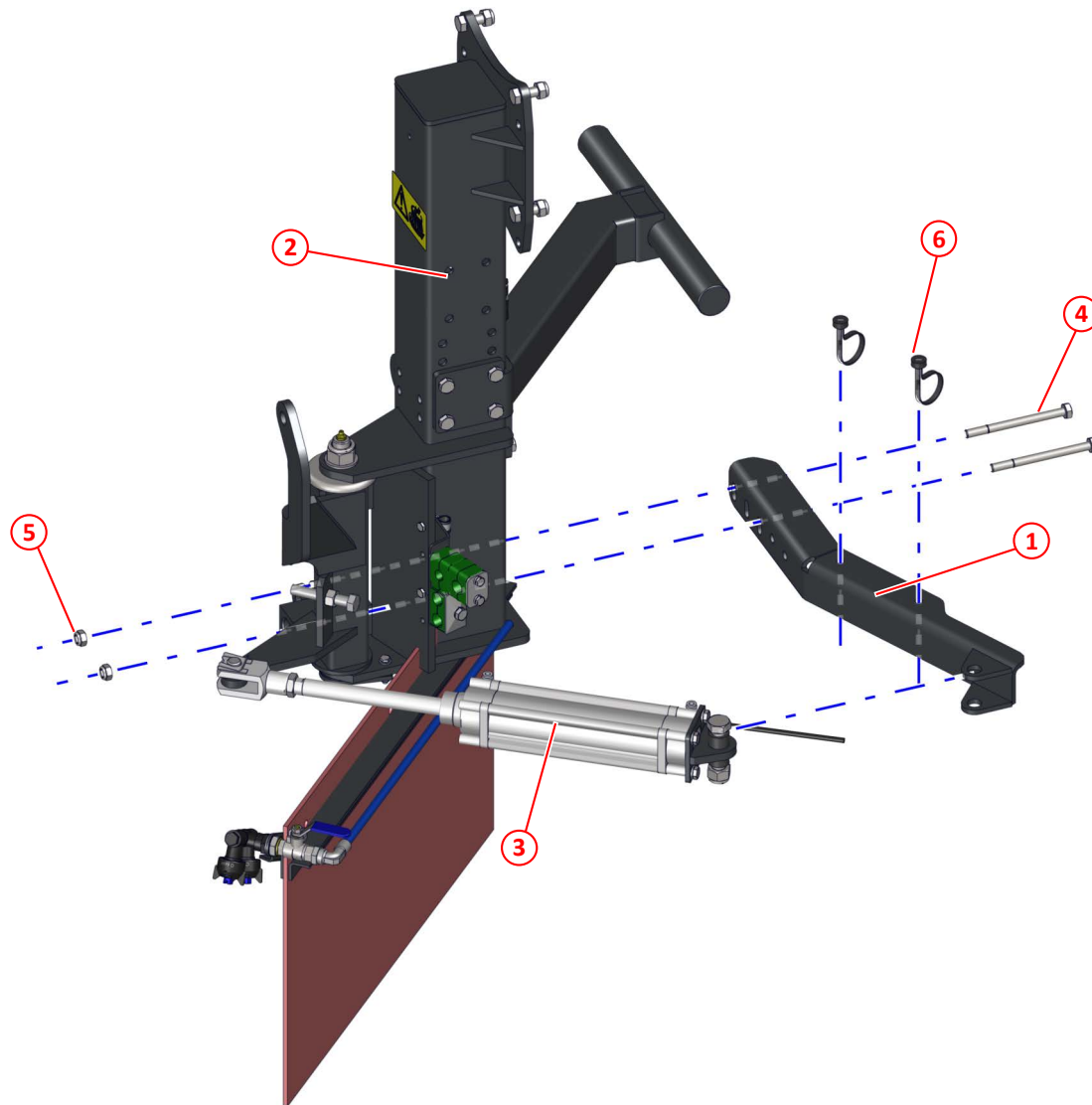


Figure 24: Side brush swing out arm, right hand - MYC

Item	Part No	Qty	Description	
①	SCA021722	1	Swing out arm, right hand	
②	SCA034266	1	Subframe leg, right hand	72
③	SCA020298	1	Pneumatic cylinder 50 x 160	
④	SCA011407	2	Bolt HT M10 x 120	
⑤	SCA011075	2	Nyloc nut M10	
⑥	005061	2	Cable tie, round head	

Side brush hose tidy, right hand - MYC

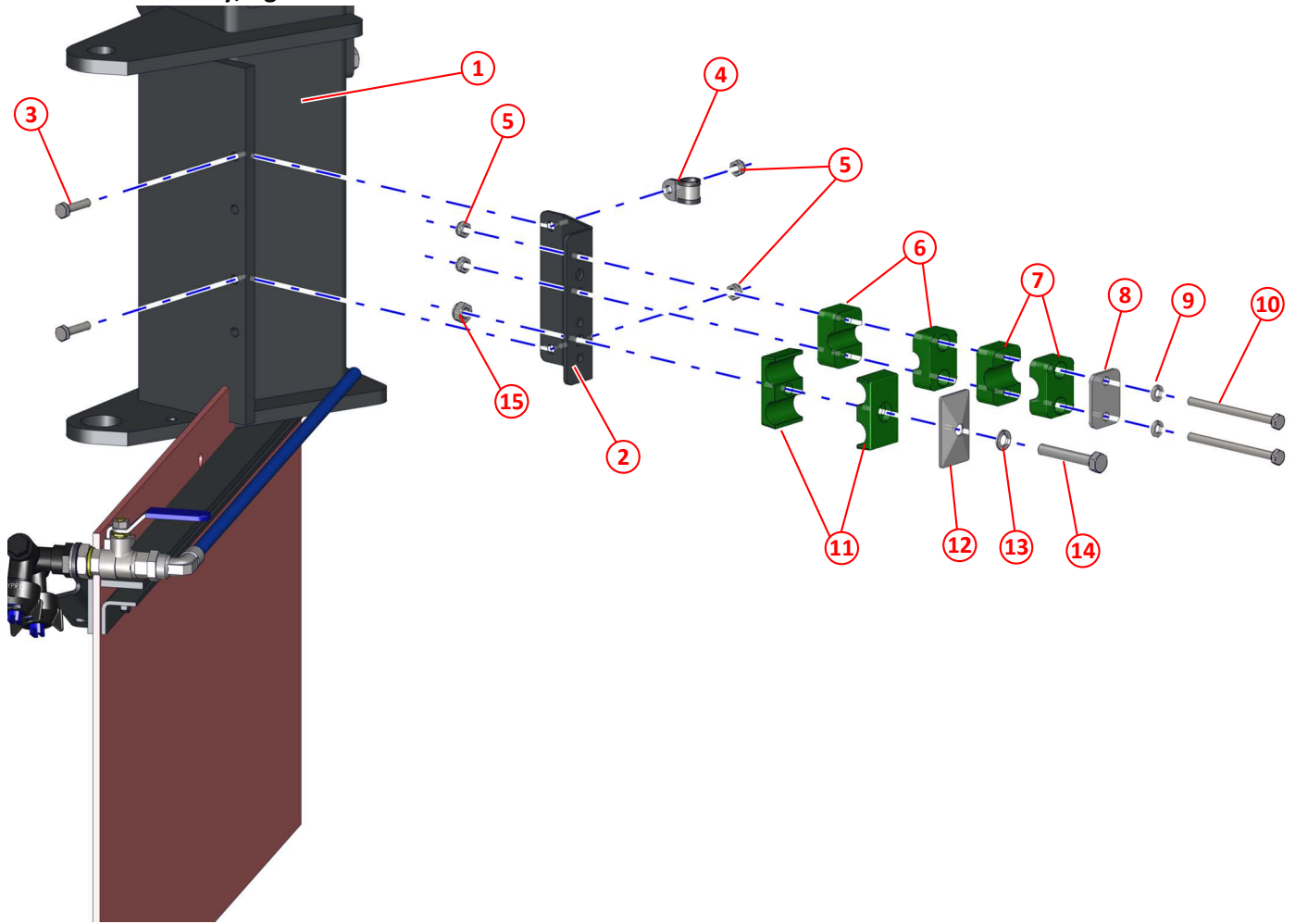


Figure 25: Side brush hose tidy, right hand - MYC

Item	Part No	Qty	Description	
①	SCA034266	1	Subframe leg, right hand	72
②	SCA031306	1	Clamp support lower	
③	SCA011087	2	Setscrew HT M6 x 25	
④	SCA021914	1	Clip 12 dia, rubber sealed	
⑤	SCA011071	4	Nyloc nut M6	
⑥	SCA031316	2	Clamp 1/4" hose, single	
⑦	SCA002163	2	Pipe clamp block 17.2, single	
⑧	SCA031317	1	Clamp flat plate	
⑨	SCA011091	2	Spring washer M6	
⑩	SCA000221	2	Bolt M6 x 80	
⑪	SCA031318	2	Clamp 3/8" hose, twin	
⑫	SCA031319	1	Clamp plate flat	
⑬	SCA011093	1	Spring washer M8	
⑭	SCA011016	1	Setscrew HT M8 x 50	
⑮	SCA011073	1	Nyloc nut M8	

Side brush skirt, right hand - MYC

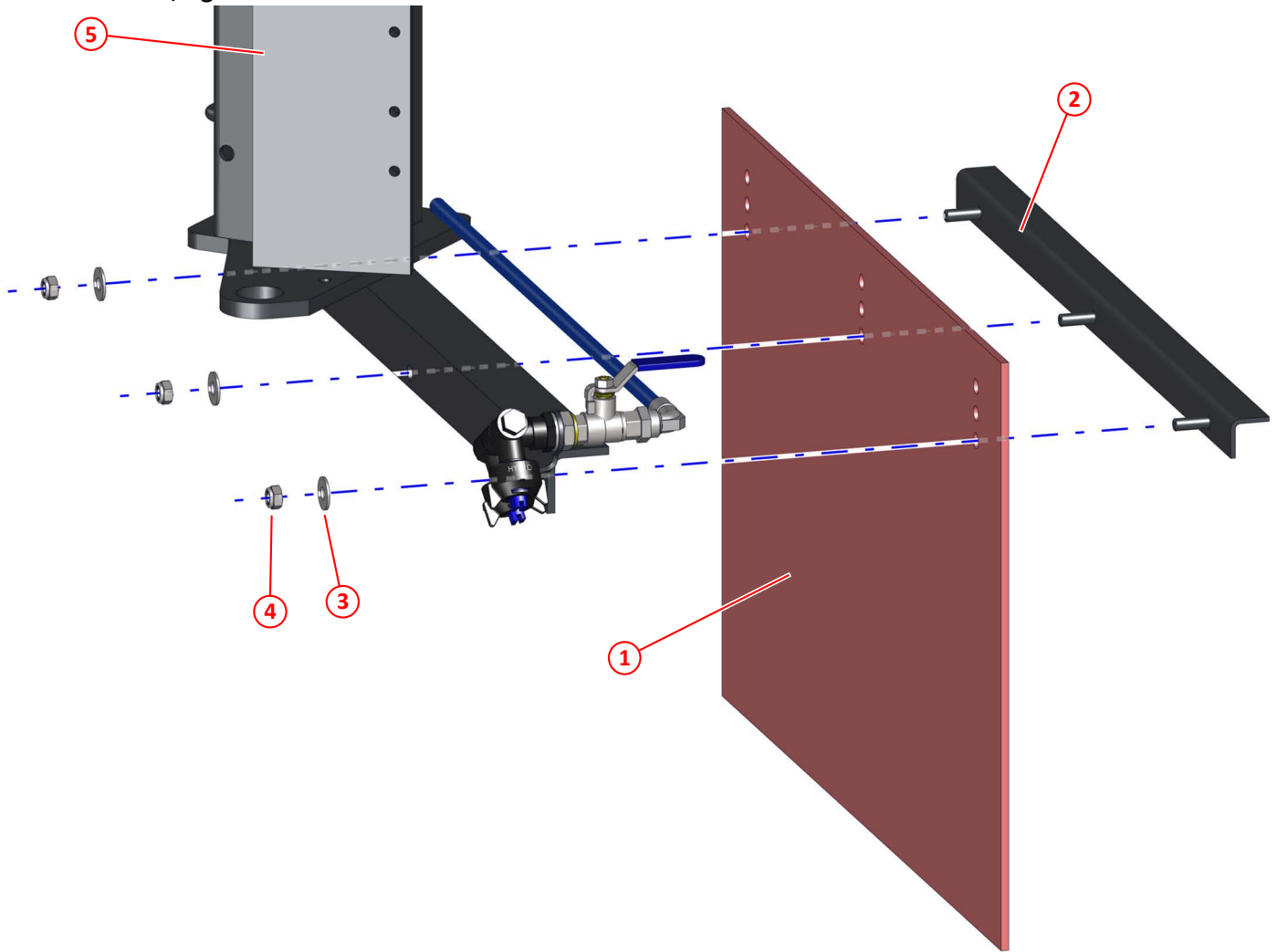


Figure 26: Side brush skirt, right hand - MYC

Item	Part No	Qty	Description	
①	SCA010247	1	Side brush skirt, 3 pitch, heavy duty	
②	SCA010275	1	Skirt clamp	
③	SCA011092	3	Washer M8	
④	SCA011073	3	Nyloc nut M8	
⑤	SCA034266	1	Subframe leg, right hand	72

Side brush water jets, right hand - MYC

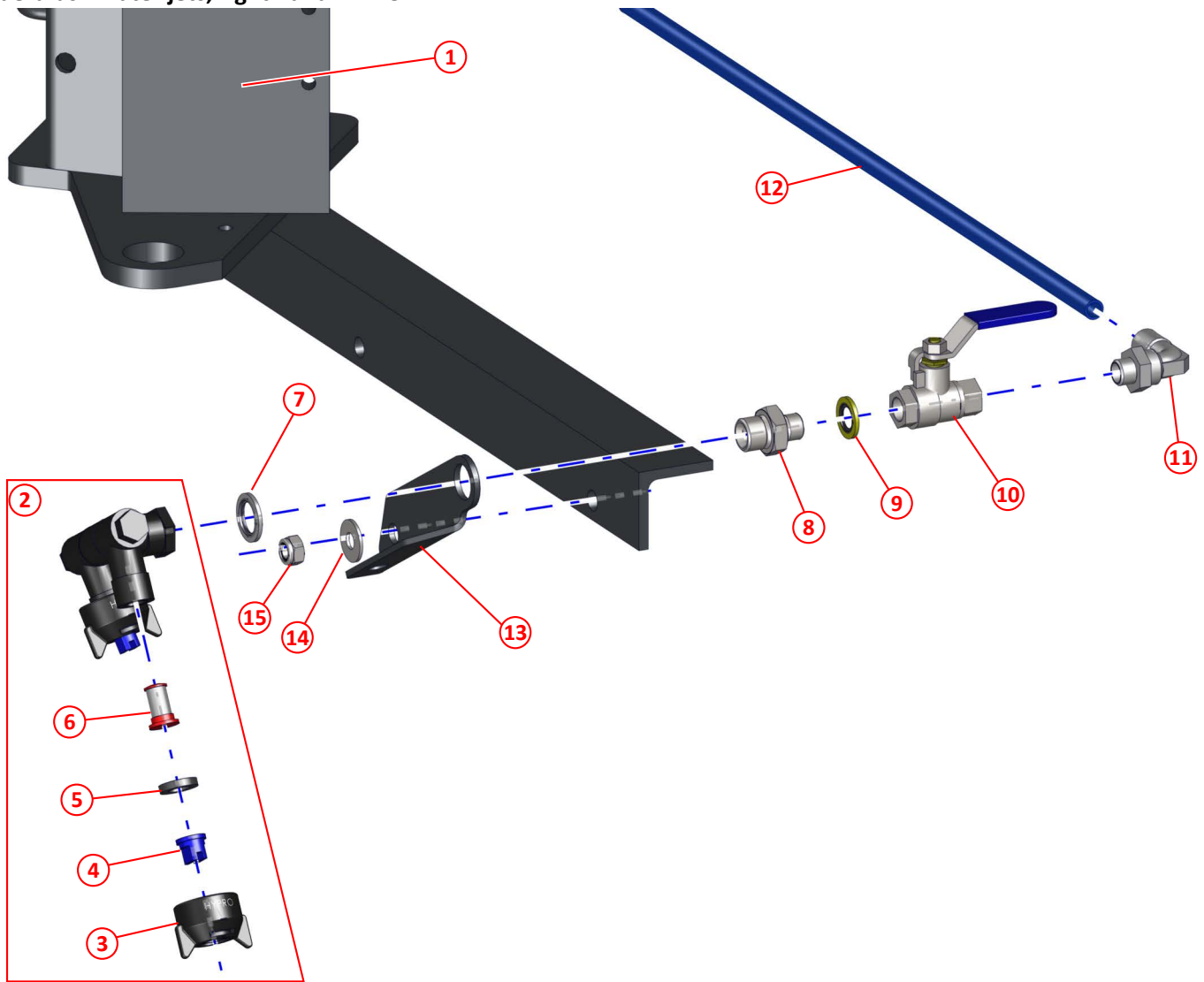


Figure 27: Side brush water jets, right hand - MYC

Item	Part No	Qty	Description	
①	SCA034266	1	Subframe leg, right hand	72
②	SCA036044	1	Double swivel nozzle holder assembly, complete	
③	SCA030746	1	Cone nozzle cap	
④	SCA030748	1	Jet (blue)	
⑤	SCA030636	1	Rubber washer	
⑥	SCA030633	1	Filter, mesh 100	
⑦	SCA011153	1	Dowty seal 3/8" BSP	
⑧	SCA011199	1	Adapter 3/8" x 1/4" BSP	
⑨	SCA011152	1	Dowty seal 1/4" BSP	
⑩	SCA011743	1	Valve 1/4" BSP, ball	
⑪	SCA047602	1	Elbow, push in 10mm x 1/4" BSP	
⑫	SCA041031	1	10mm OD Nylon pipe, blue	
⑬	SCA036042	1	Nozzle bracket, left hand (right hand for M6 and Maven 65)	
⑭	SCA011092	1	Washer M8	
⑮	SCA011073	1	Nyloc nut M8	

Side brush leg and central brush mount, right hand - MYC

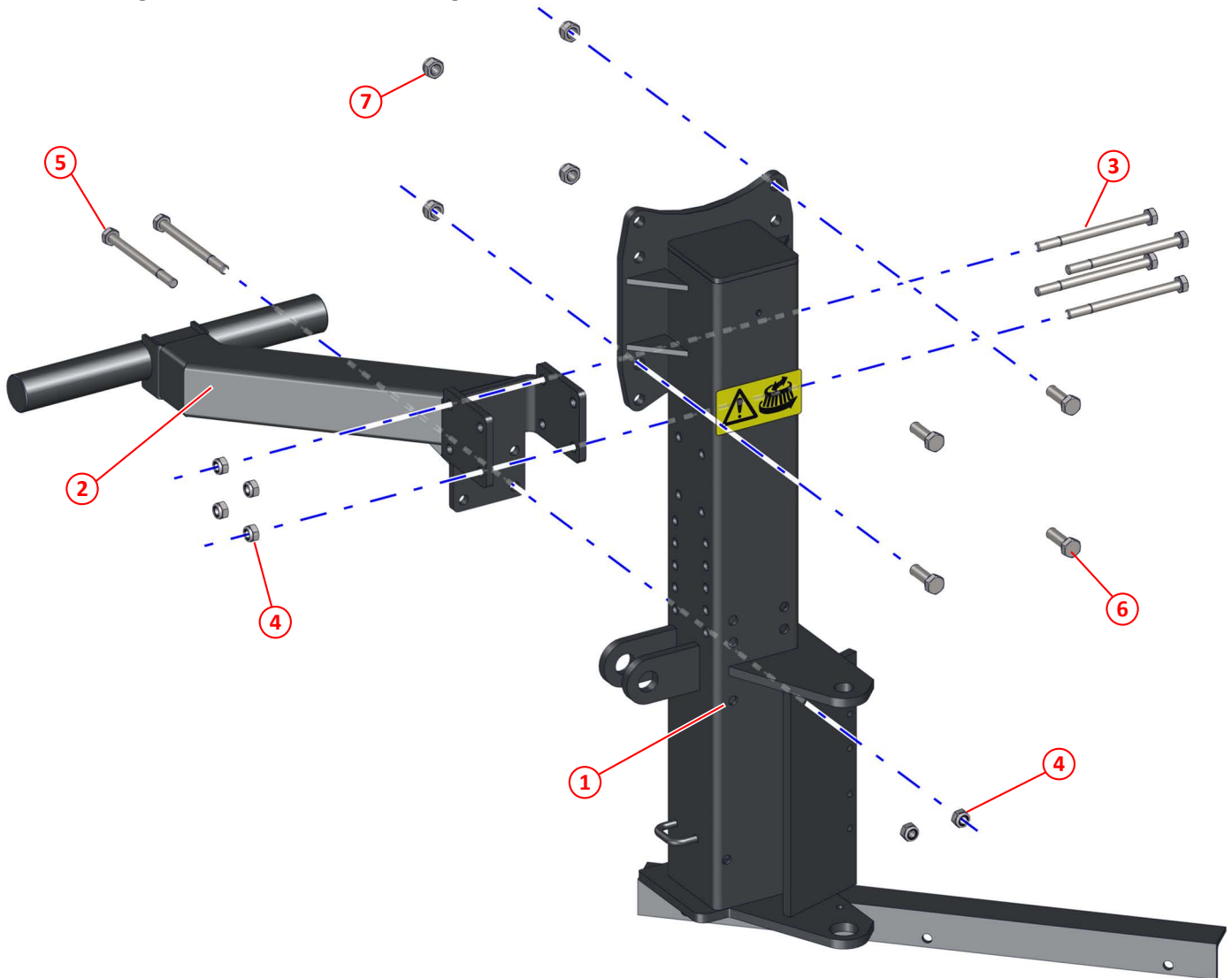


Figure 28: Side brush leg and central brush mount, right hand - MYC

Item	Part No	Qty	Description
①	SCA034266	1	Subframe leg, right hand
②	SCA034335	1	Wide sweep adjustable mount, right hand
③	SCA000075	4	Bolt HT M10 x 130
④	SCA011075	6	Nyloc nut M10
⑤	SCA011407	2	Bolt HT 10 x 120
⑥	SCA011053	4	Setscrew HT M12 x 35
⑦	SCA011077	4	Nyloc nut M12
⑧	SCA022383	1	Label - Brush warning

Central brush (wide sweep) arrangement - MYC

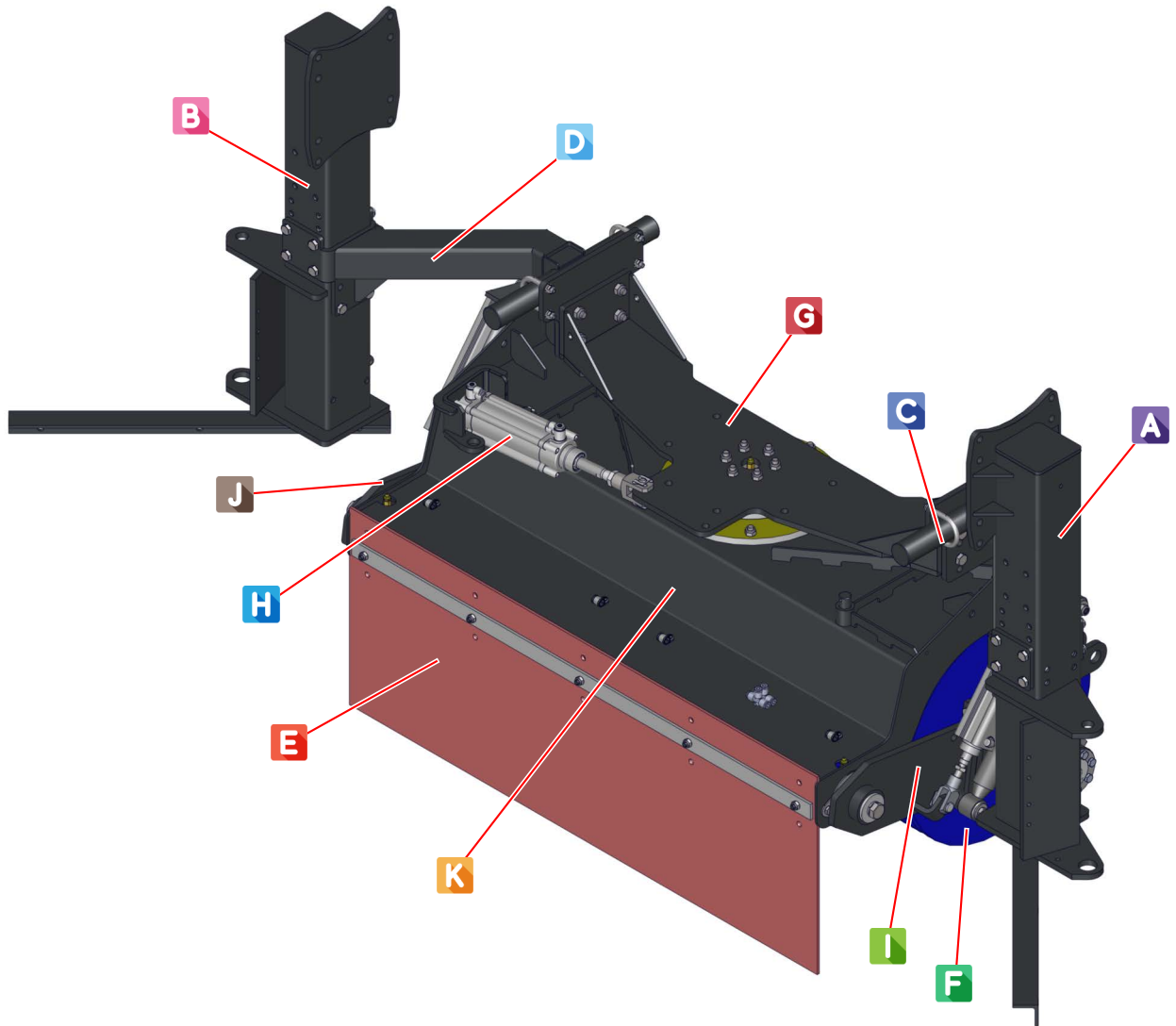


Figure 29: Central brush (wide sweep) arrangement - MYC

Item	Part No	Qty	Description	
A	SCA034265	1	Subframe leg, left hand	58
B	SCA034266	1	Subframe leg, right hand	72
C			Central brush mounting, left hand	
D			Central brush mounting, right hand	
E			Central brush skirt	
F			Central brush core	
G			Central brush slewing	
H			Central brush slewing cylinder	
I			Central brush motor, lift cylinder, shock absorber, left hand	
J			Central brush bearing housing, lift cylinder, shock absorber, right hand	
K			Central brush cover with pneumatic pipes and fittings	

Central brush mounting, left hand - MYC

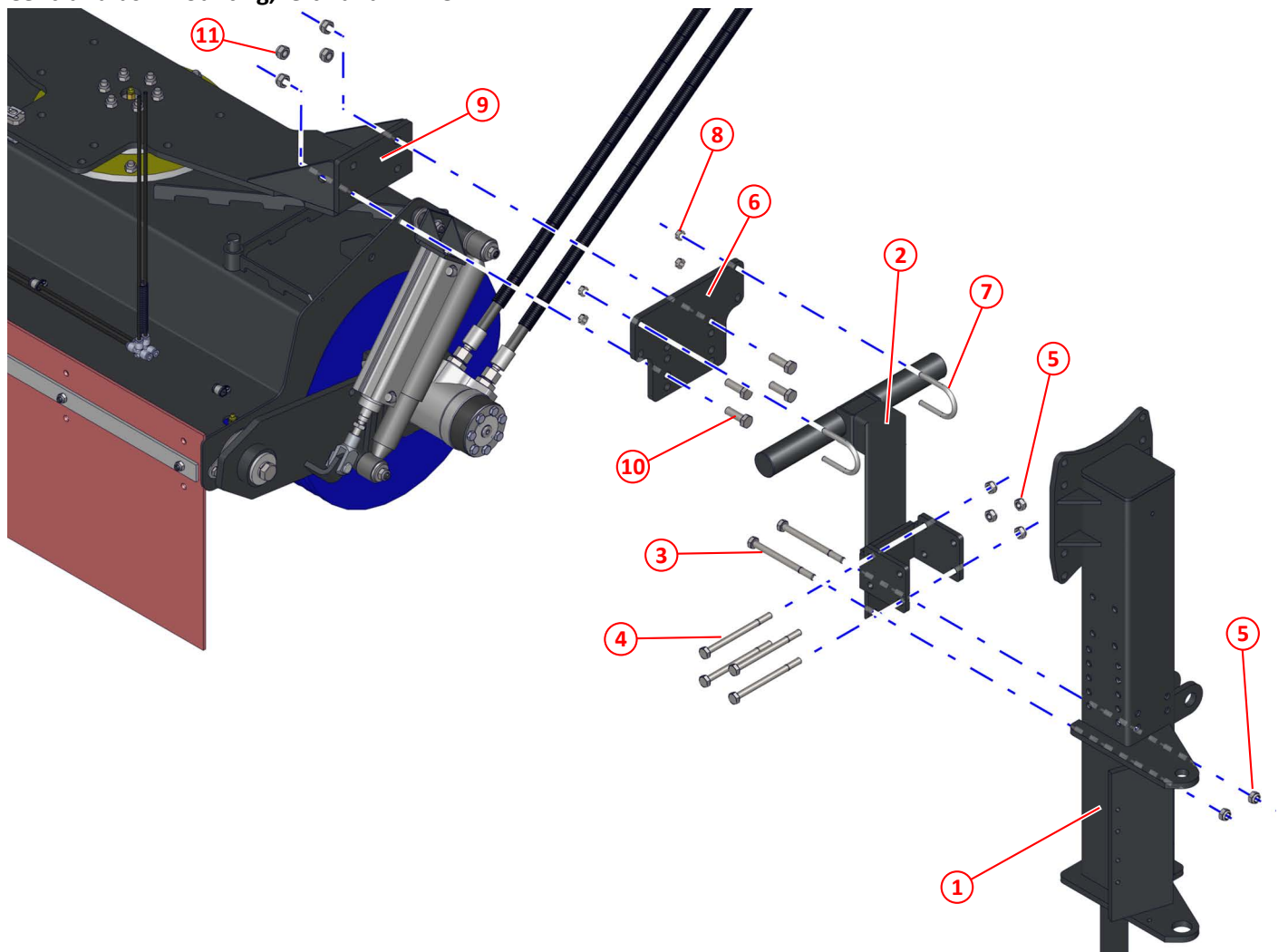


Figure 30: Central brush mounting, left hand - MYC

Item	Part No	Qty	Description
①	SCA034265	1	Subframe leg, left hand
②	SCA034334	1	Wide sweep adjustable mount, left hand
③	SCA011407	2	Bolt HT M10 x 120
④	SCA000075	4	Bolt HT M10 x130
⑤	SCA011075	6	Nyloc nut M10
⑥	SCA034336	1	Central brush drop plate
⑦	SCA014983	2	Exhaust 'U' clamp 1 5/8"
⑧	SCA000185	4	Nut M8, plain faced flange, plated
⑨	SCA024155	1	Central brush support
⑩	SCA011053	4	Setscrew HT M12 x35
⑪	SCA011077	4	Nyloc nut M12

Central brush mounting, right hand - MYC

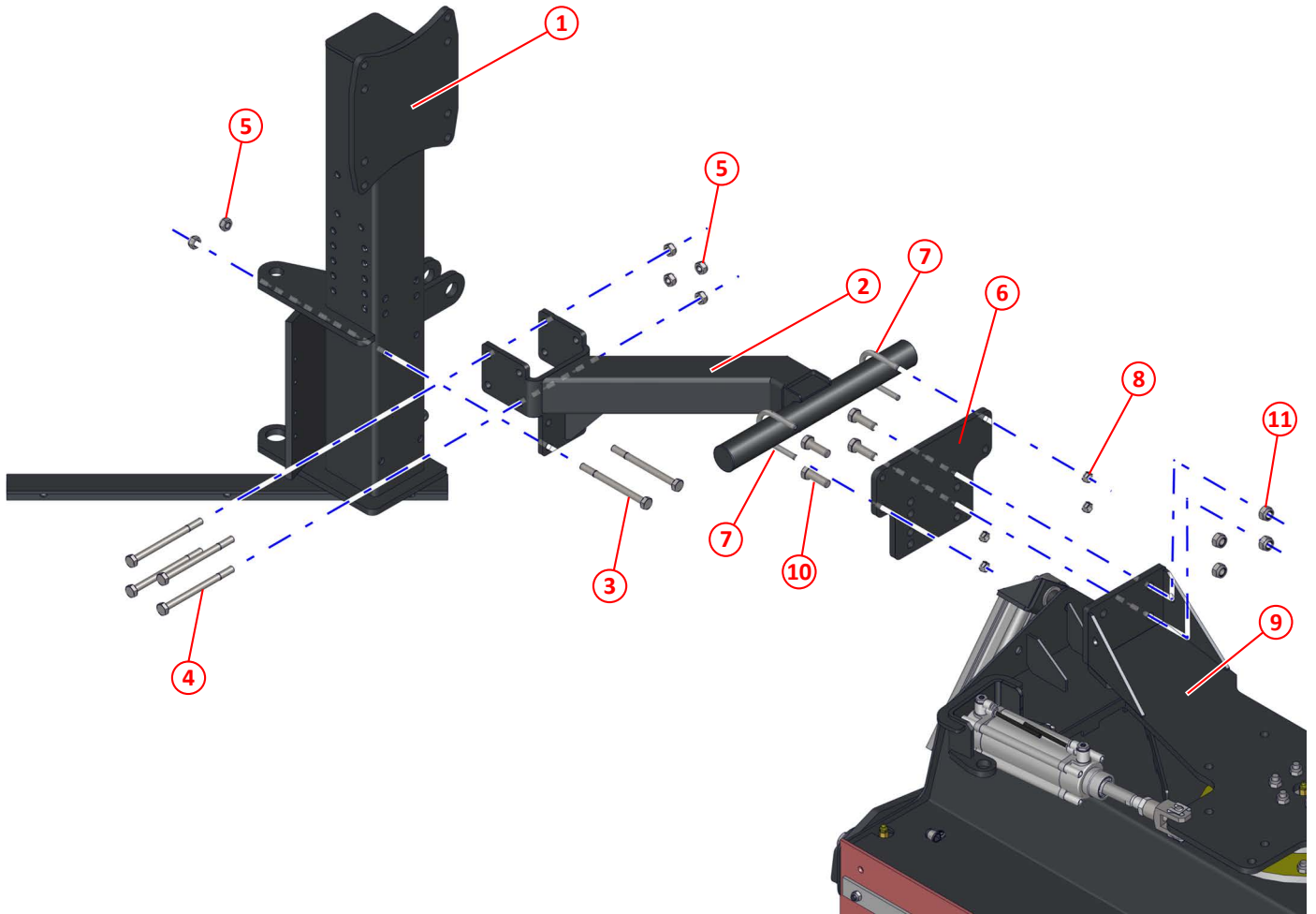


Figure 31: Central brush mounting, right hand - MYC

Item	Part No	Qty	Description
①	SCA034266	1	Subframe leg, right hand
②	SCA034335	1	Wide sweep adjustable mount, right hand
③	SCA011407	2	Bolt HT M10 x 120
④	SCA000075	4	Bolt HT M10 x130
⑤	SCA011075	6	Nyloc nut M10
⑥	SCA034336	1	Central brush drop plate
⑦	SCA014983	2	Exhaust 'U' clamp 1 5/8"
⑧	SCA000185	4	Nut M8, plain faced flange, plated
⑨	SCA024155	1	Central brush support
⑩	SCA011053	4	Setscrew HT M12 x35
⑪	SCA011077	4	Nyloc nut M12

Central brush skirt - MYC

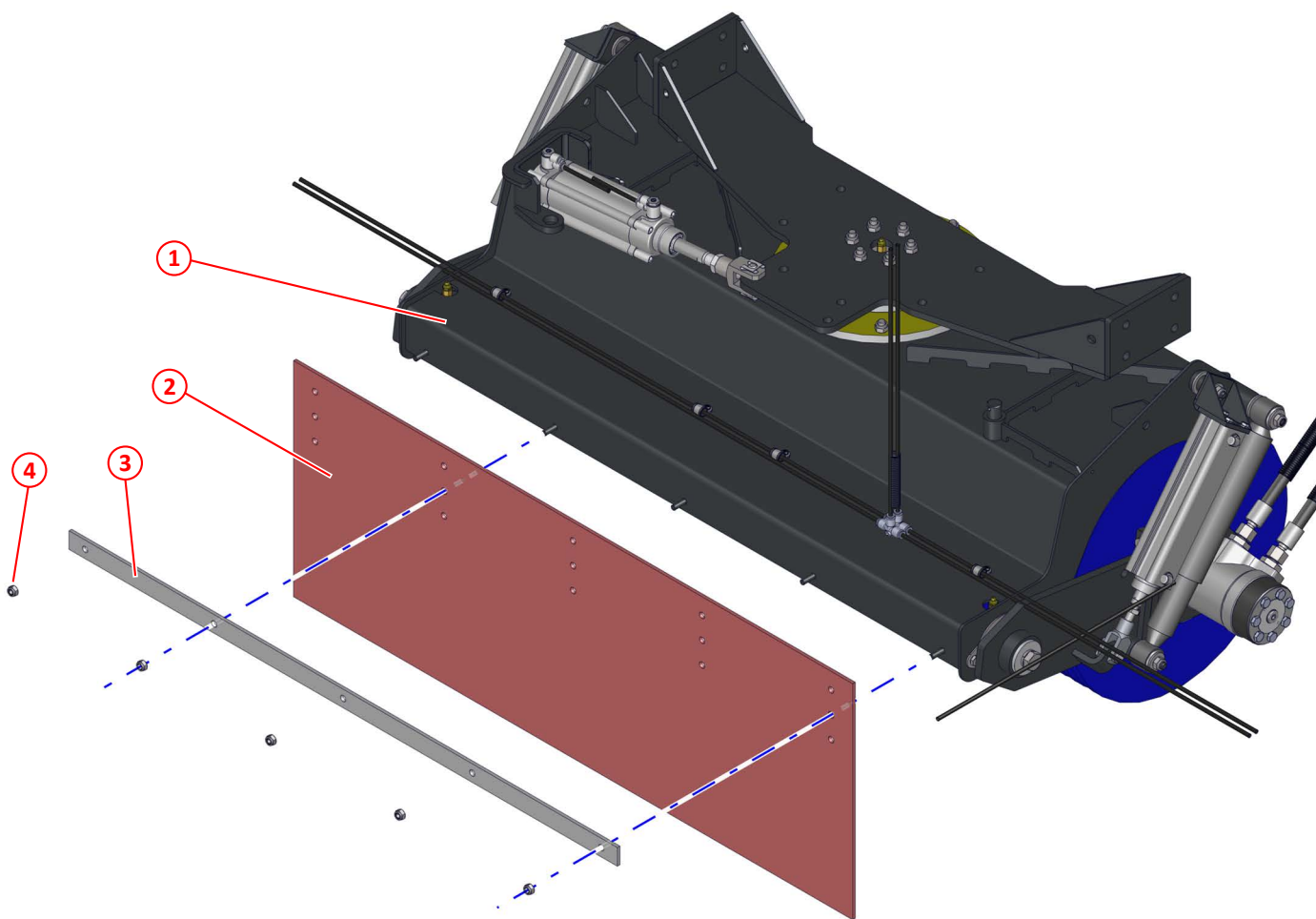


Figure 32: Central brush skirt - MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA022516	1	Skirt, central brush	
③	SCA022517	1	Clamp, skirt, central brush	
④	SCA011073	5	Nyloc nut M8	

Central brush core assembly- MYC

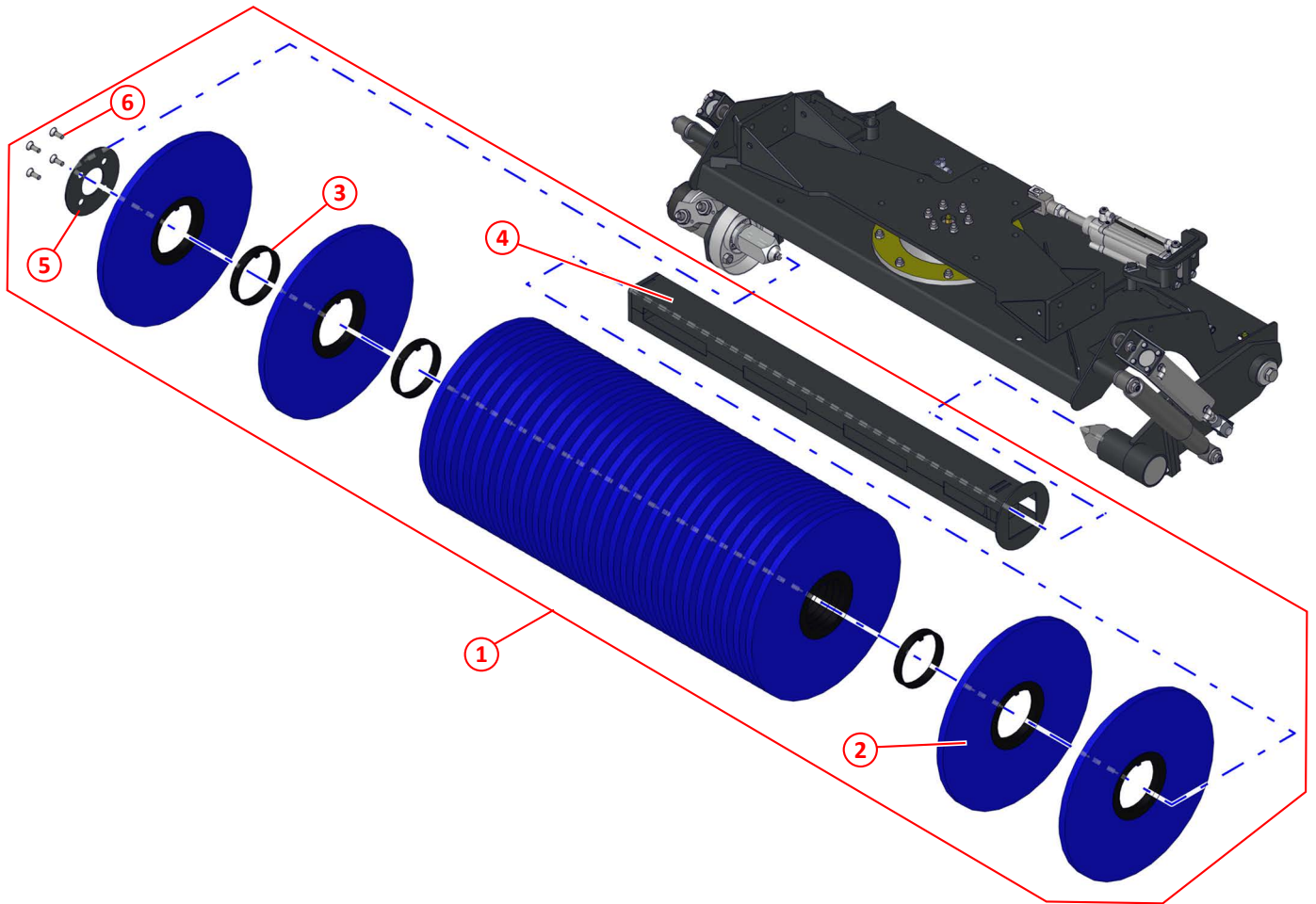


Figure 33: Central brush core assembly - MYC

Item	Part No	Qty	Description
①	SCA023169	1	Complete brush core assembly
②	SCA023474	31	Brush fill 400 poly
③	SCA023472	29	Brush spacer
④	SCA013646	1	Brush core
⑤	SCA013649	1	End plate, brush core
⑥	SCA011417	4	Socket cap screw 3/8" UNC x 1"

Central brush fixed slew - MYC

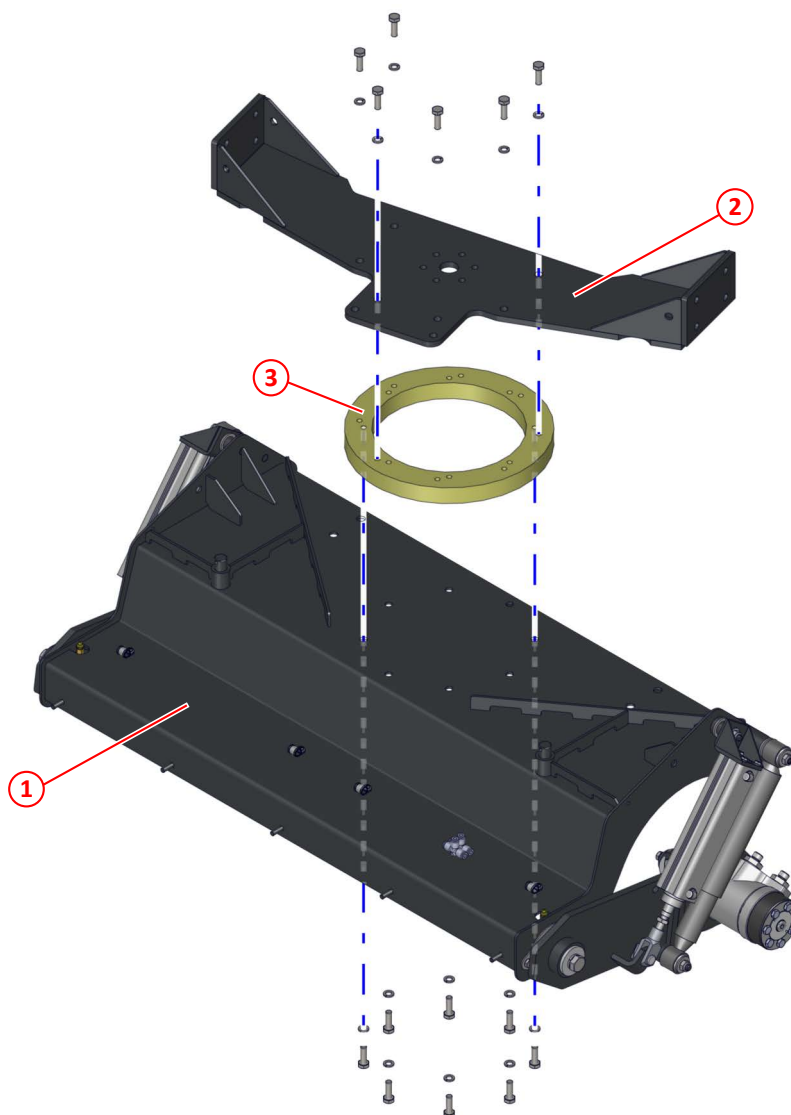


Figure 34: Central brush fixed slew - MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA024155	1	Central brush support	
③	SCA020919	1	Adapter ring, fixed slew	
④	SCA011032	14	Setscrew HT M10 x 30	
⑤	SCA011095	14	Spring washer M10	

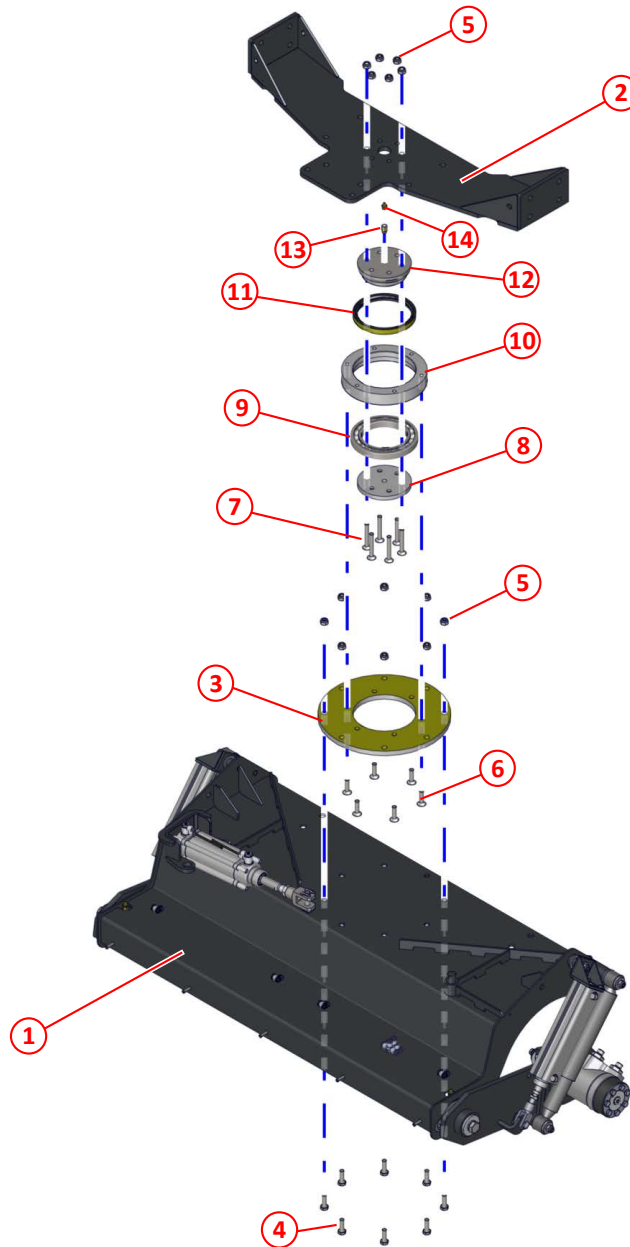


Figure 35: Central brush slewing - MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA024155	1	Central brush support	
③	SCA024154	1	Clamp ring	
④	SCA011032	8	Setscrew HT M10 x 30	
⑤	SCA011075	14	Nyloc M10	
⑥	SCA000546	6	Countersunk screw M10 x 35	
⑦	SCA000183	6	Countersunk socket screw M10 x 65	
⑧	SCA024151	1	Clamp plate	
⑨	SCA024149	1	Bearing, ball, 100 x 150 x 16 (16020)	
⑩	SCA024152	1	Bearing housing	
⑪	SCA024148	1	Oil seal 120 x 140 x 13	
⑫	SCA024150	1	Spigot wide sweep	
⑬	SCA040301	1	Grease nipple extension 1/8" BSP	
⑭	SCA010903	1	Grease nipple 1/8" BSP, straight	

Central brush slewing cylinder - MYC

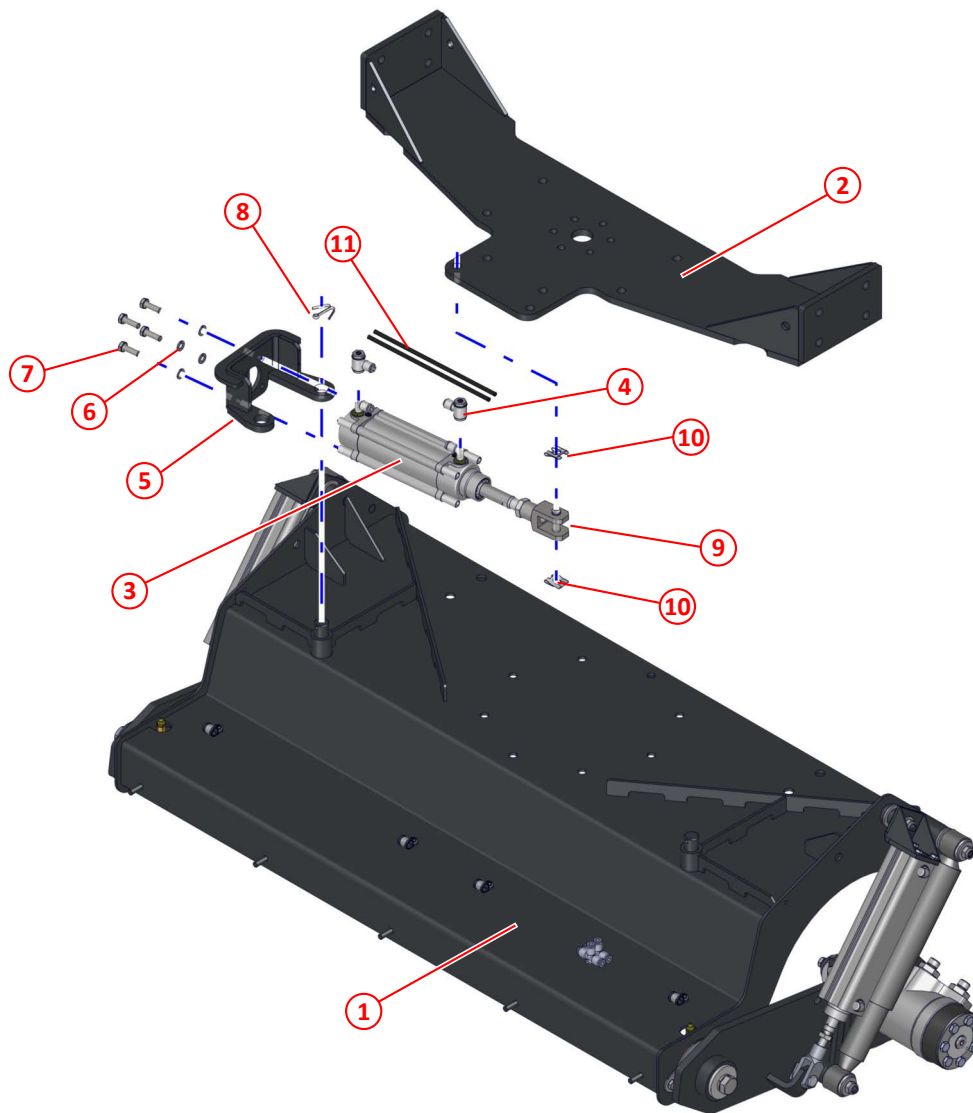


Figure 36: Central brush slewing cylinder - MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA024155	1	Central brush support	
③	SCA020767	1	Pneumatic cylinder 50 x 100	
④	SCA021158	2	Pneumatic flow regulator	
⑤	SCA036620	1	Air ram mounting bracket, central brush slewing	
⑥	SCA011093	4	Spring washer M8	
⑦	SCA011011	4	Setscrew HT M8 x25	
⑧	SCA011122	1	Split pin 3/16" x 1 1/2"	
⑨	SCA036621	1	Clevis, special, M16 neck with 12 pin	
⑩	SCA023269	2	Safety fastener 12	
⑪	SCA014572	2	6mm OD x 1mm WT black air pipe	

Central brush raise lower cylinder, left hand - MYC

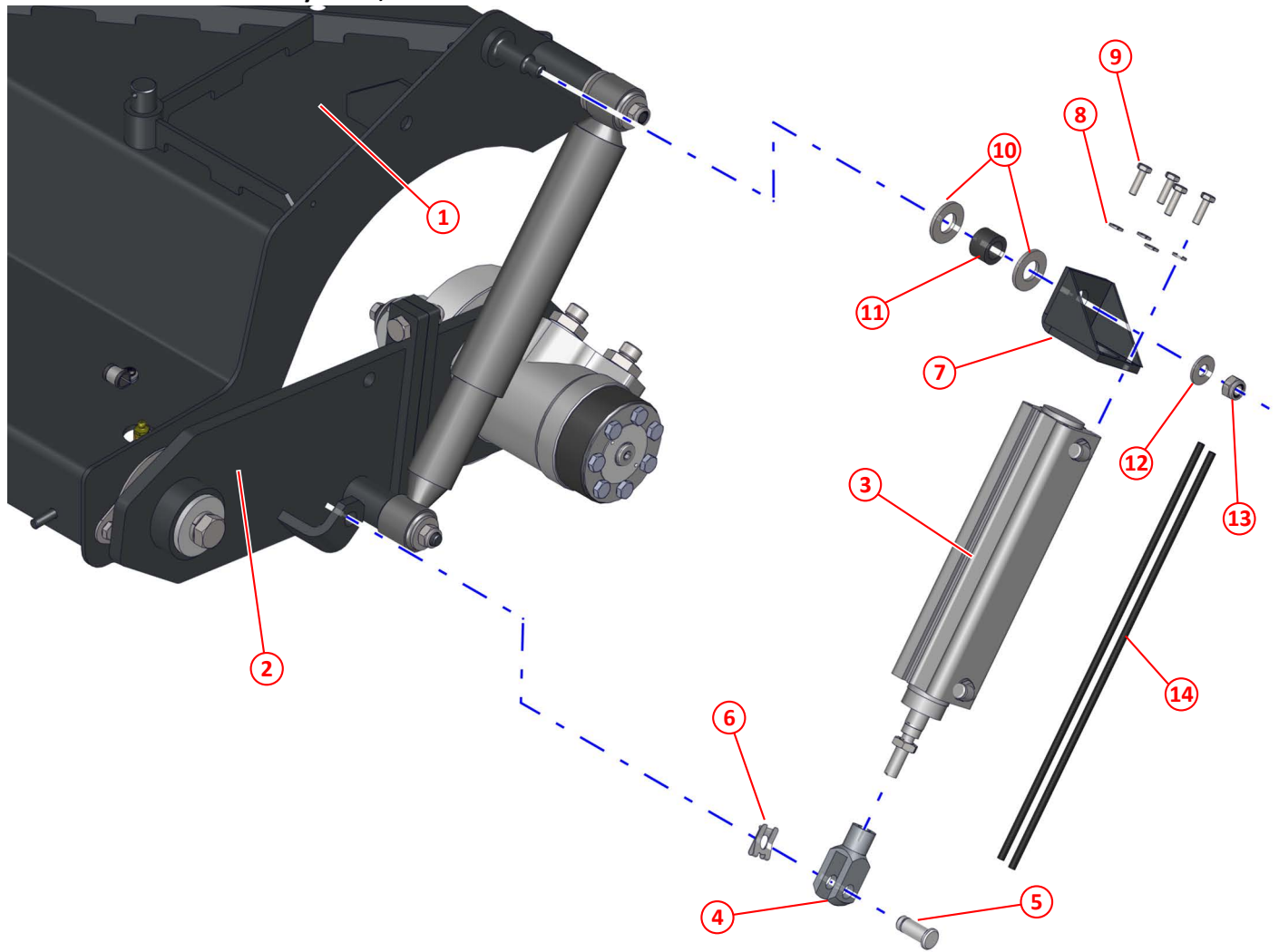


Figure 37: Central brush raise lower cylinder, left hand- MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA048977	1	Motor plate, left hand	86
③	SCA020602	1	Pneumatic cylinder 40 x 125	
④	SCA014469	1	Clevis, air cylinder M12	
⑤	SCA023270	1	Clevis pin 12	
⑥	SCA023269	1	Safety fastener 12	
⑦	SCA030532	1	Air ram mounting bracket	
⑧	SCA011091	4	Spring washer M6	
⑨	SCA011067	4	Setscrew HT M6 x20	
⑩	SCA011135	2	Washer M16	
⑪	SCA011000	1	Hose 5/8", fuel SAE100R6, cut 16mm	
⑫	SCA011094	1	Washer M10	
⑬	SCA011075	1	Nyloc nut M10	
⑭	SCA014572	2	6mm OD x 1mm WT black air pipe	

Central brush shock absorber, left hand - MYC

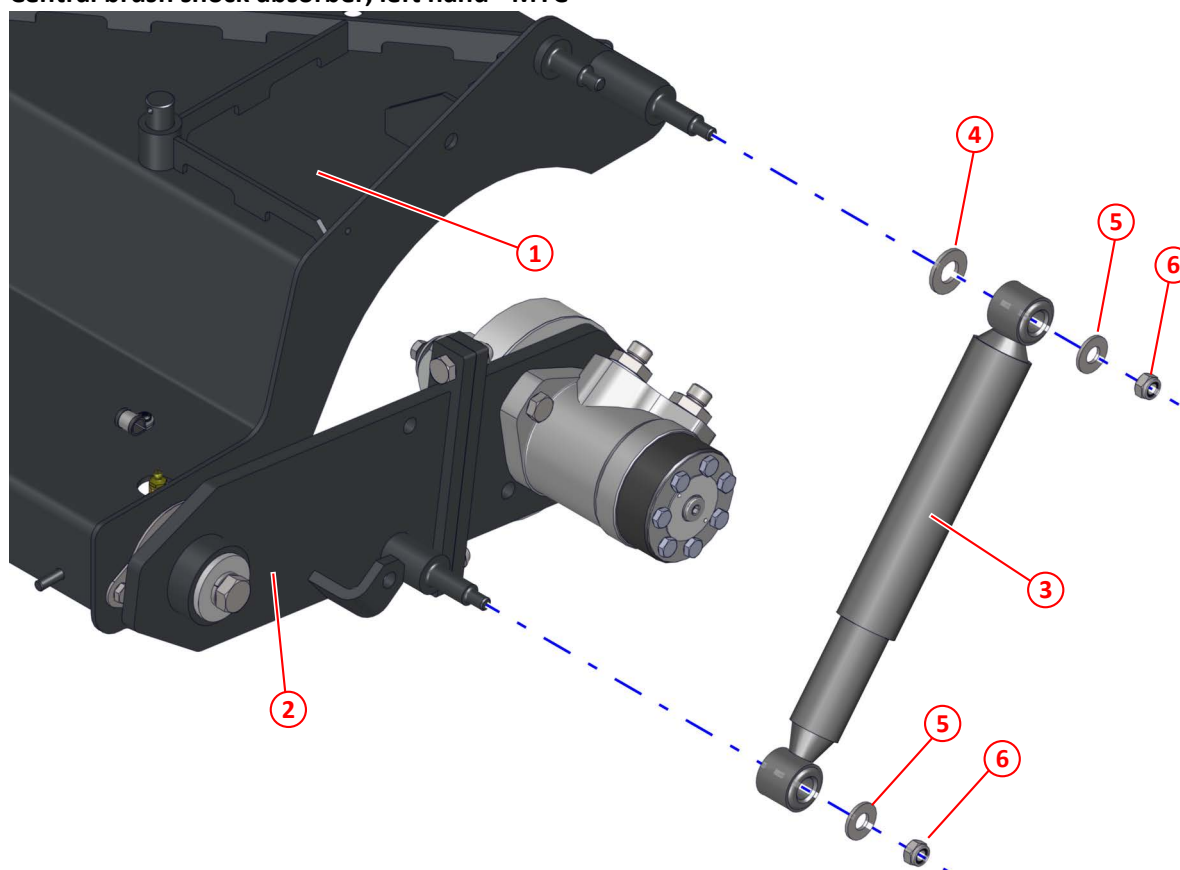


Figure 38: Central brush shock absorber, left hand - MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA048977	1	Motor plate, left hand	86
③	SCA014063	1	Shock absorber 320/500	
④	SCA011135	1	Washer M16	
⑤	SCA011096	2	Washer M12	
⑥	SCA011075	2	Nyloc nut M12	

Central brush raise lower cylinder right hand - MYC

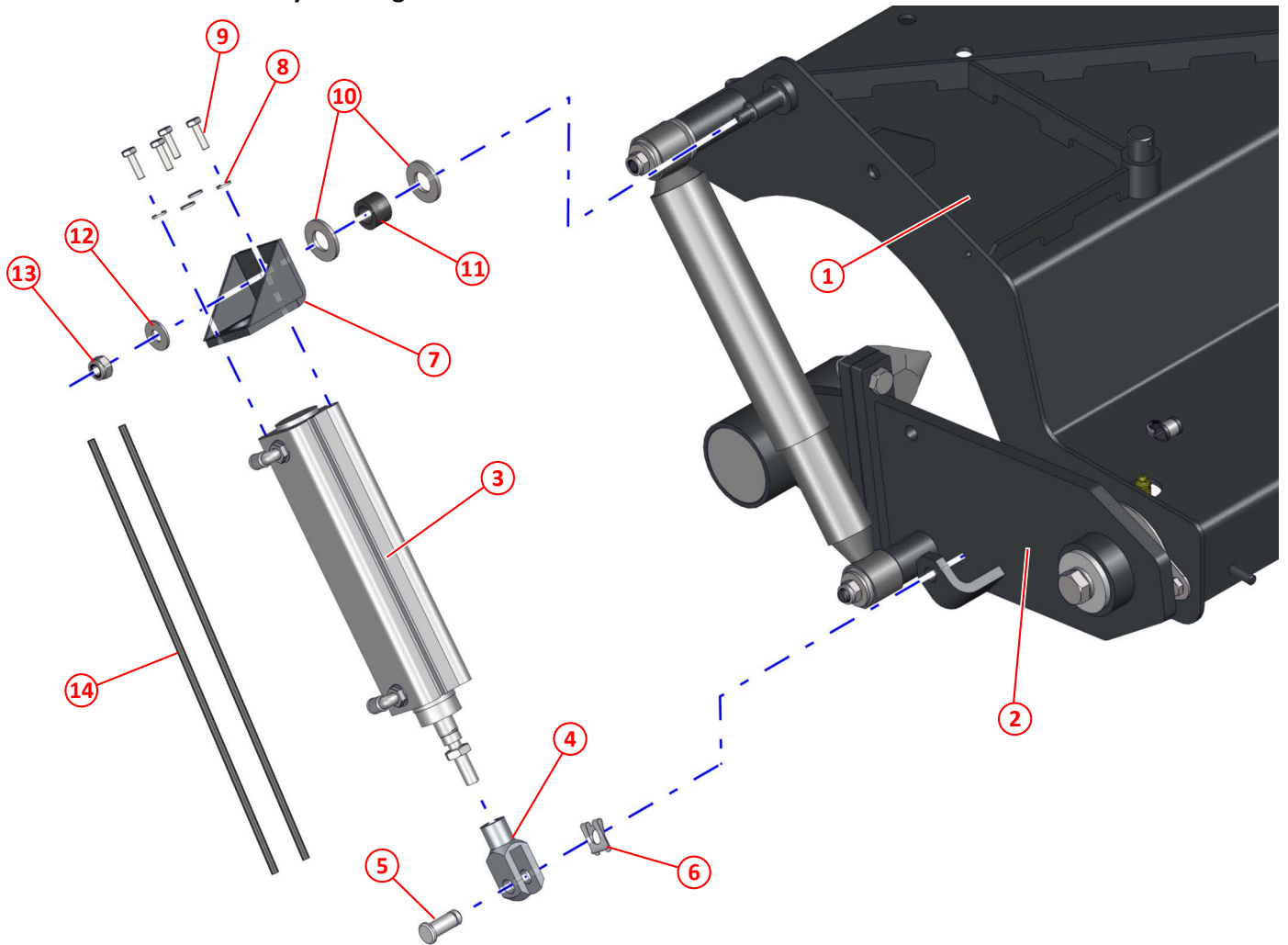


Figure 39: Central brush raise lower cylinder, right hand - MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA023078	1	Motor plate, right hand	88
③	SCA020602	1	Pneumatic cylinder 40 x 125	
④	SCA014469	1	Clevis, air cylinder M12	
⑤	SCA023270	1	Clevis pin 12	
⑥	SCA023269	1	Safety fastener 12	
⑦	SCA030532	1	Air ram mounting bracket	
⑧	SCA011091	4	Spring washer M6	
⑨	SCA011067	4	Setscrew HT M6 x20	
⑩	SCA011135	2	Washer M16	
⑪	SCA011000	1	Hose 5/8", fuel SAE100R6, cut 16mm	
⑫	SCA011094	1	Washer M10	
⑬	SCA011075	1	Nyloc nut M10	
⑭	SCA014572	2	6mm OD x 1mm WT black air pipe	

Central brush shock absorber, right hand - MYC

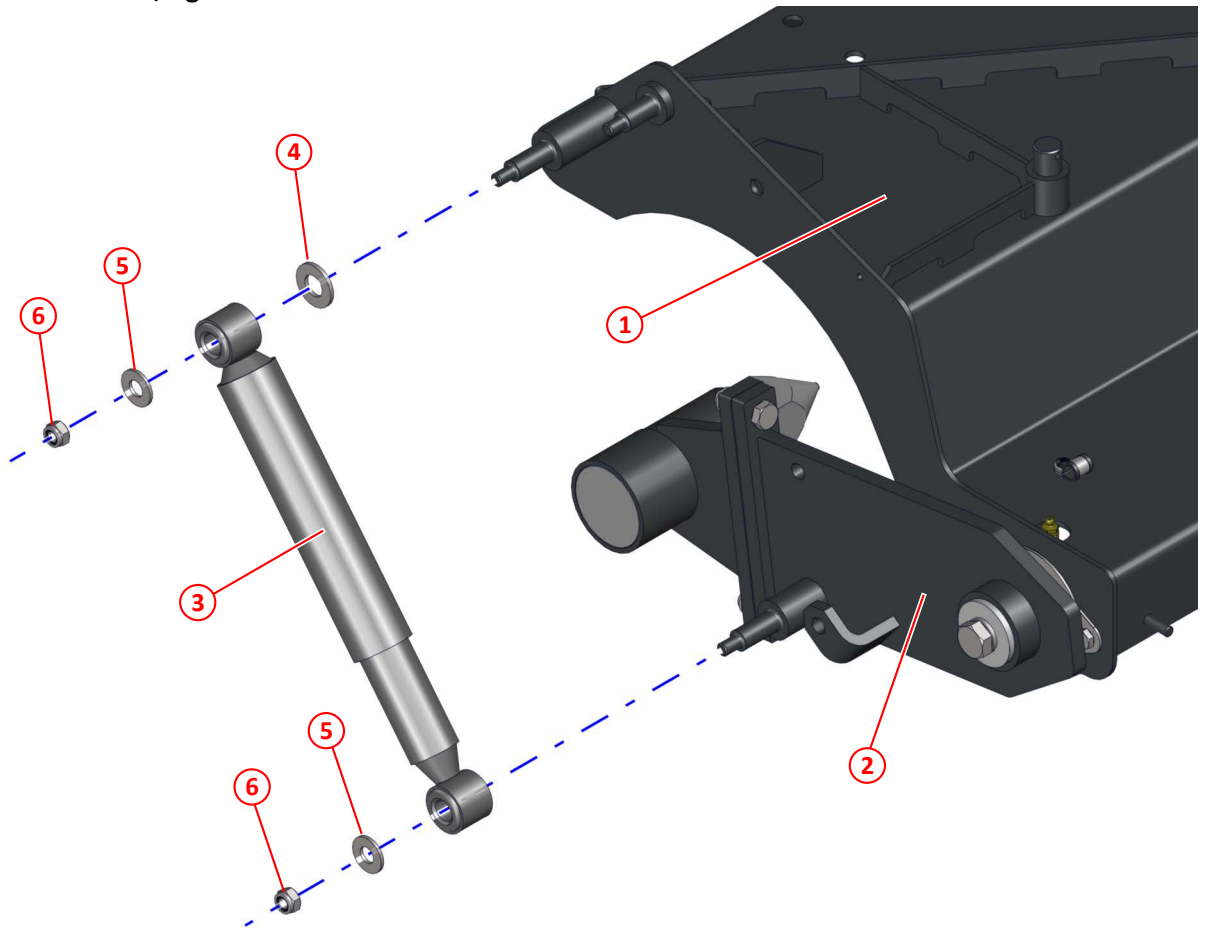


Figure 40: Central brush shock absorber, right hand - MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA023078	1	Motor plate, right hand	88
③	SCA014063	1	Shock absorber 320/500	
④	SCA011135	1	Washer M16	
⑤	SCA011096	2	Washer M12	
⑥	SCA011075	2	Nyloc nut M12	

Central brush motor - MYC

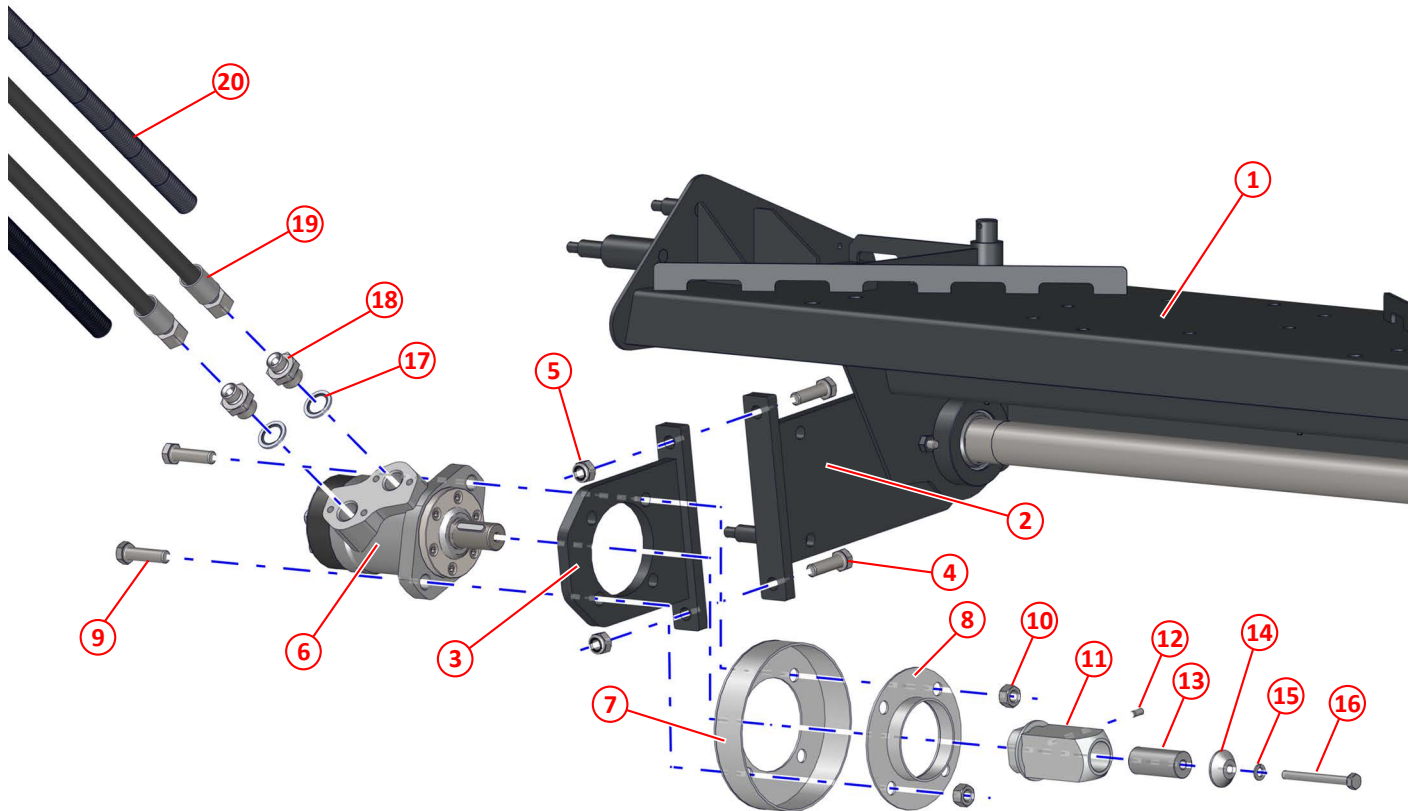


Figure 41: Central brush motor - MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA048977	1	Motor plate, left hand	86
③	SCA048978	1	Motor fixing plate	
④	SCA011069	2	Bolt M12 x 40	
⑤	SCA011077	2	Nyloc nut M12	
⑥	SCA010566	1	Motor 3596 (OMP 100)	
⑦	SCA049483	1	Motor guard bracket	
⑧	SCA046472	1	Motor guard	
⑨	SCA011054	2	Setscrew HT M12 x 45	
⑩	SCA011076	2	Full nut M12	
⑪	SCA024535	1	Drive shaft	
⑫	SCA011112	1	Socket setscrew M6 x 12	
⑬	SCA038106	1	Spacer, 25 OD x 8.5 ID x 55	
⑭	SCA024538	1	Washer cone	
⑮	SCA011093	1	Spring washer M8	
⑯	SCA011415	1	Bolt HT M8 x 80	
⑰	SCA011154	2	Dowty seal 1/2" BSP	
⑱	SCA011167	2	Adapter 1/2" x 3/8" BSP	
⑲	SCA001167	2	Hose 3/8" x 1200, straight/straight	
⑳	SCA004210	2	Flex cable conduit 21mm	

Central brush motor plate, left hand - MYC

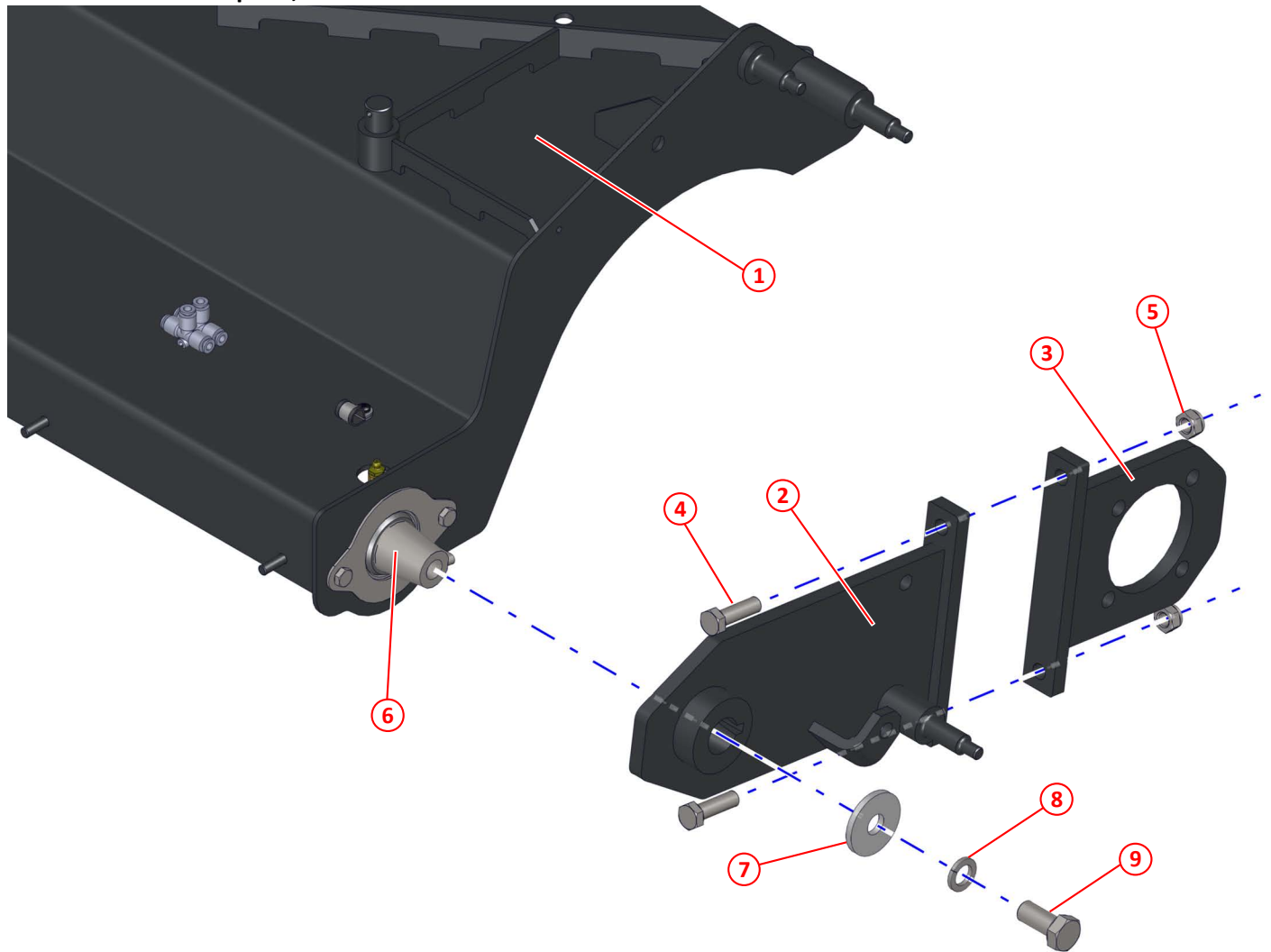


Figure 42: Central brush motor plate, left hand - MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA048977	1	Motor plate, left hand	
③	SCA048978	1	Motor fixing plate	
④	SCA011069	2	Bolt M12 x 40	
⑤	SCA011077	2	Nyloc nut M12	
⑥	SCA023080	1	Shaft, taper	89,90
⑦	SCA013439	1	Washer, 50 x 16.5 x 5	
⑧	SCA011142	1	Spring washer M16	
⑨	SCA011141	1	Bolt M16 x 35	

Central brush core support bearing, right hand- MYC

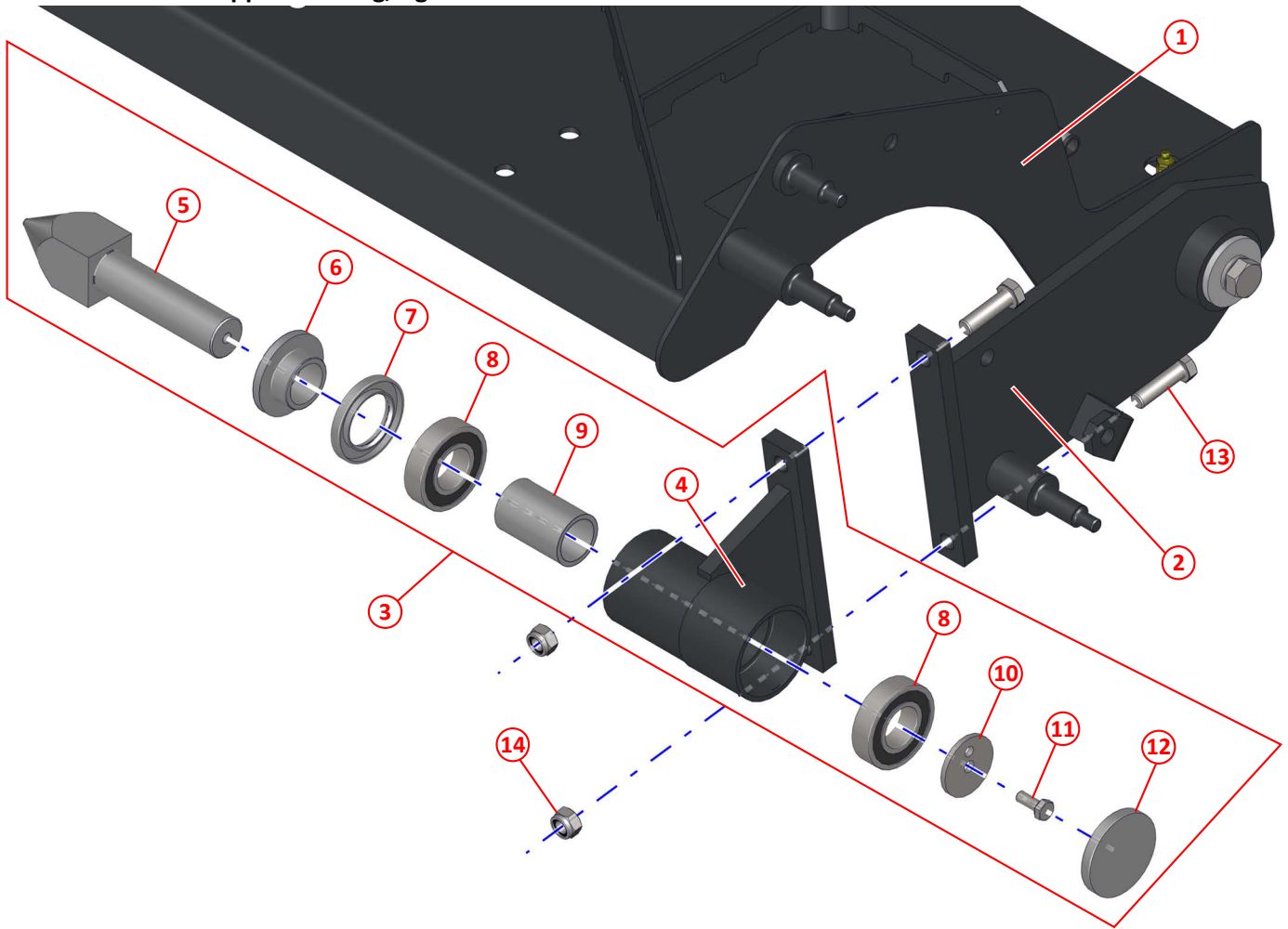


Figure 43: Central brush core support bearing, right hand- MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA023078	1	Motor plate, right hand	88
③	SCA024224	1	Brush core support bearing, complete assembly	
④	SCA024219	1	Bearing support housing	
⑤	SCA024223	1	Shaft wide sweep	
⑥	SCA024221	1	Spacer 60 x 30 x 20	
⑦	SCA024220	1	Oil seal 38 x 62 x 7	
⑧	SCA010578	2	Bering ball, 6206 2Z	
⑨	SCA024531	1	Spacer 38 x 31 x 58	
⑩	SCA010004	1	Washer 9 x 45 x 4	
⑪	SCA011010	1	Setscrew HT M8 X 20	
⑫	SCA024222	1	Bearing cap, support housing	
⑬	SCA011069	2	Bolt M12 x 40	
⑭	SCA011077	2	Nyloc nut M12	

Central brush motor plate, right hand - MYC

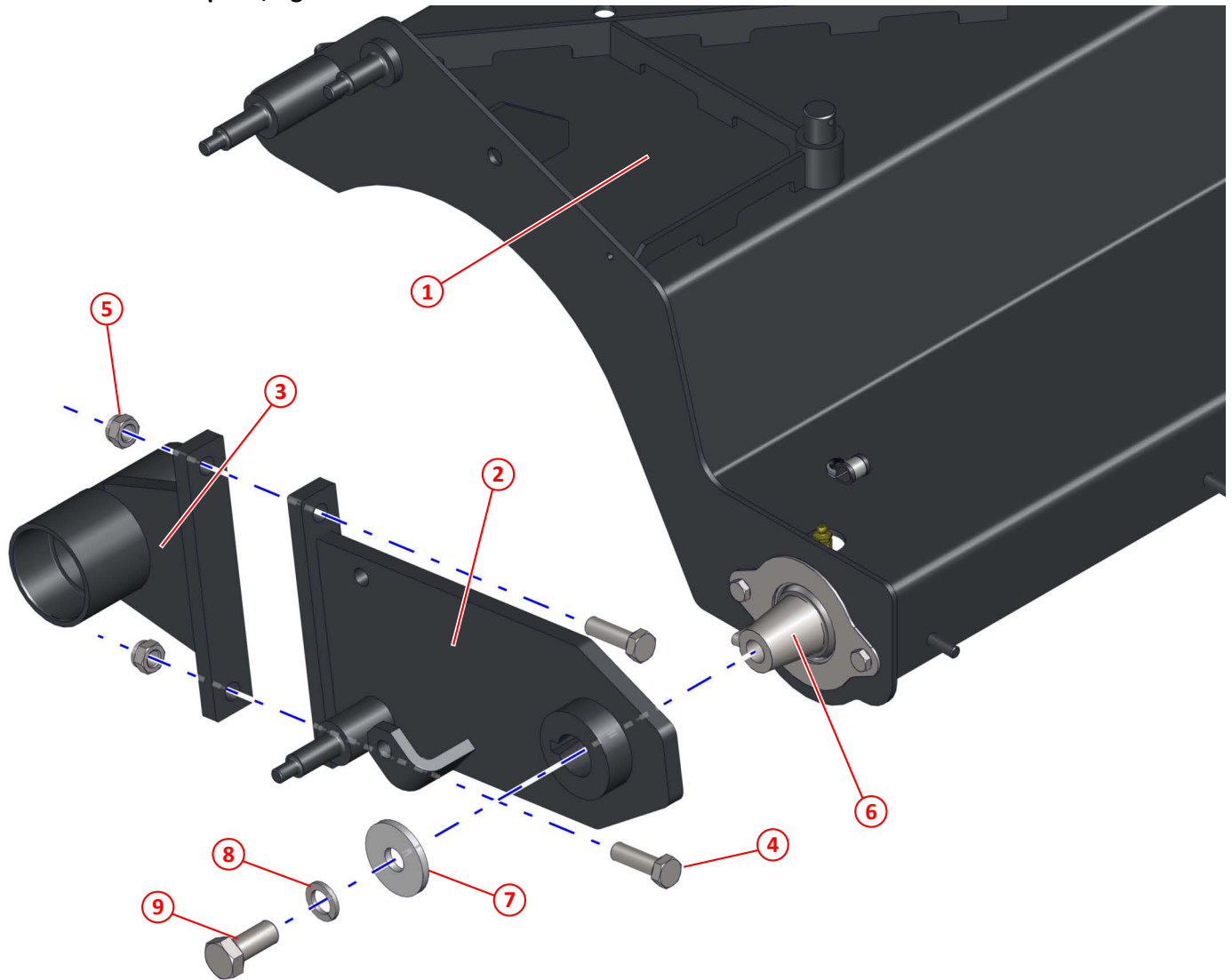


Figure 44: Central brush motor plate, right hand - MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA023078	1	Motor plate, right hand	
③	SCA024219	1	Bearing support housing	
④	SCA011069	2	Bolt M12 x 40	
⑤	SCA011077	2	Nyloc nut M12	
⑥	SCA023080	1	Shaft, taper	89,90
⑦	SCA013439	1	Washer, 50 x 16.5 x 5	
⑧	SCA011142	1	Spring washer M16	
⑨	SCA011141	1	Bolt M16 x 35	

Central brush spherical bearing, left hand - MYC

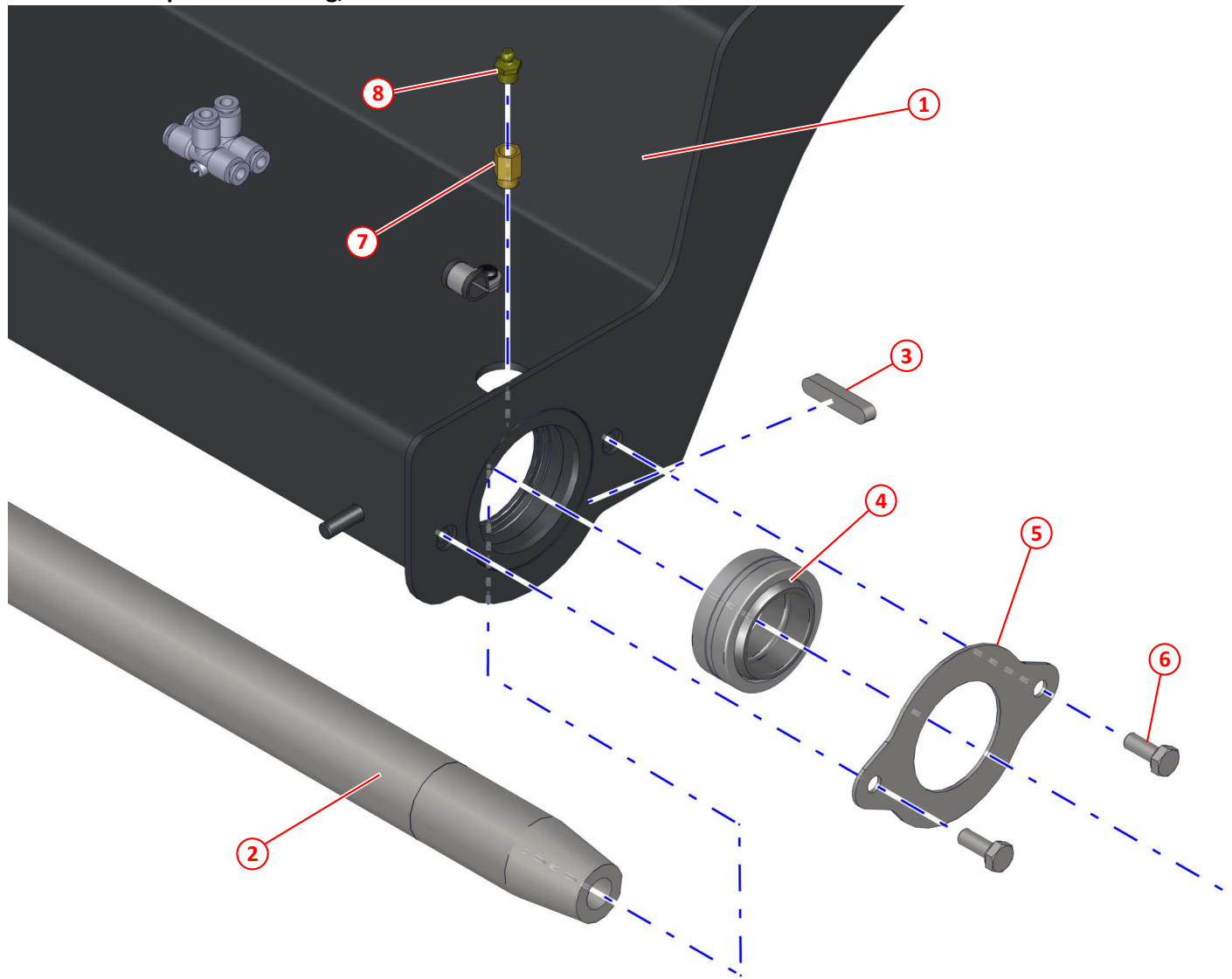


Figure 45: Central brush spherical bearing, left hand - MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA023080	1	Shaft, taper	
③	SCA013292	1	Key, parallel rectangle 8 x7 x 40, round ends	
④	SCA036789	1	Spherical bearing	
⑤	SCA037172	1	Spherical bearing retaining plate	
⑥	SCA011010	2	Setscrew HT M8	
⑦	SCA040301	1	Grease nipple extension 1/8" BSP	
⑧	SCA010903	1	Grease nipple 1/8" BSP, straight/straight	

Central brush spherical bearing, right hand - MYC

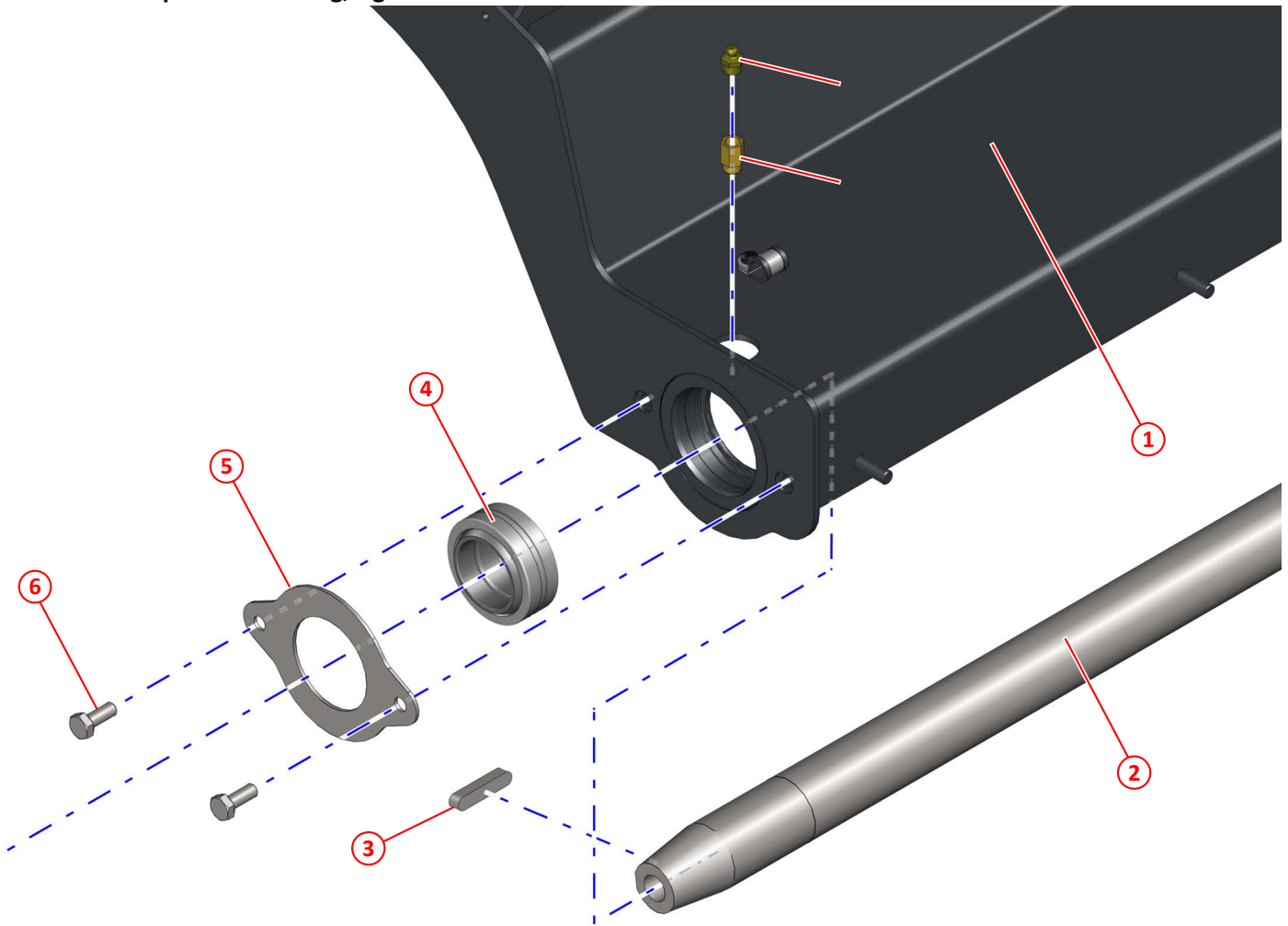


Figure 46: Central brush spherical bearing, right hand - MYC

Item	Part No	Qty	Description	
①	SCA036216	1	Central brush cover	91
②	SCA023080	1	Shaft, taper	
③	SCA013292	1	Key, parallel rectangle 8 x7 x 40, round ends	
④	SCA036789	1	Spherical bearing	
⑤	SCA037172	1	Spherical bearing retaining plate	
⑥	SCA011010	2	Setscrew HT M8	
⑦	SCA040301	1	Grease nipple extension 1/8" BSP	
⑧	SCA010903	1	Grease nipple 1/8" BSP, straight/straight	

Central brush cover, pneumatic pipes and fittings - MYC

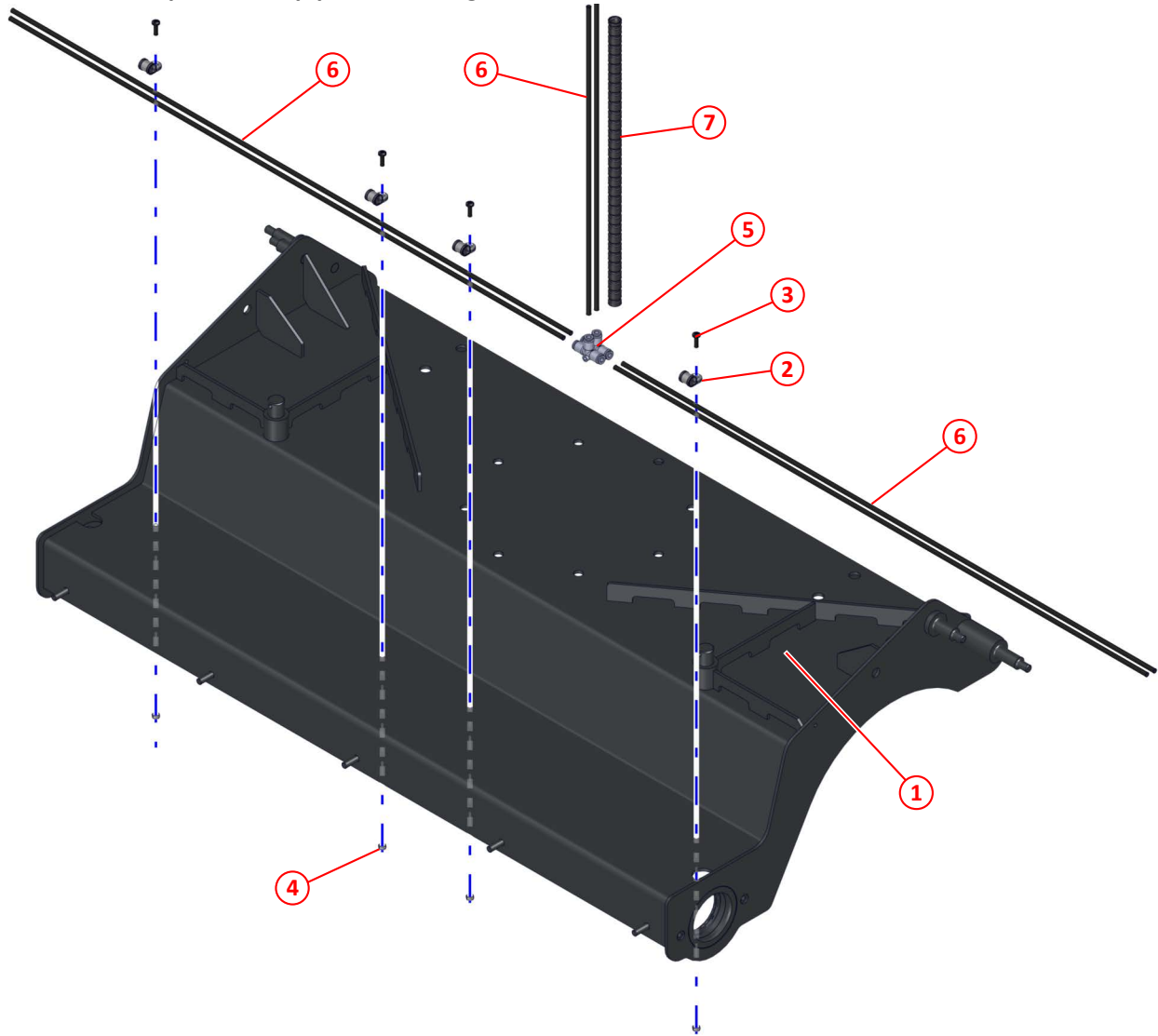


Figure 47: Central brush cover, pneumatic pipes and fittings - MYC

Item	Part No	Qty	Description
①	SCA036216	1	Central brush cover
②	SCA021914	5	Clip 12 DIA rubber sealed
③	SCA000234	5	Pan head Pozidriv chamfered setscrew M5 x 16, black
④	SCA000155	5	Nyloc nut M5
⑤	SCA024647	2	6mm tee grey
⑥	SCA014572	6	6mm OD x 1mm WT black air pipe
⑦	SCA004161	1	Flex cable conduit (split) 15.7mm O/D

Suction nozzle arrangement, left hand - MYC

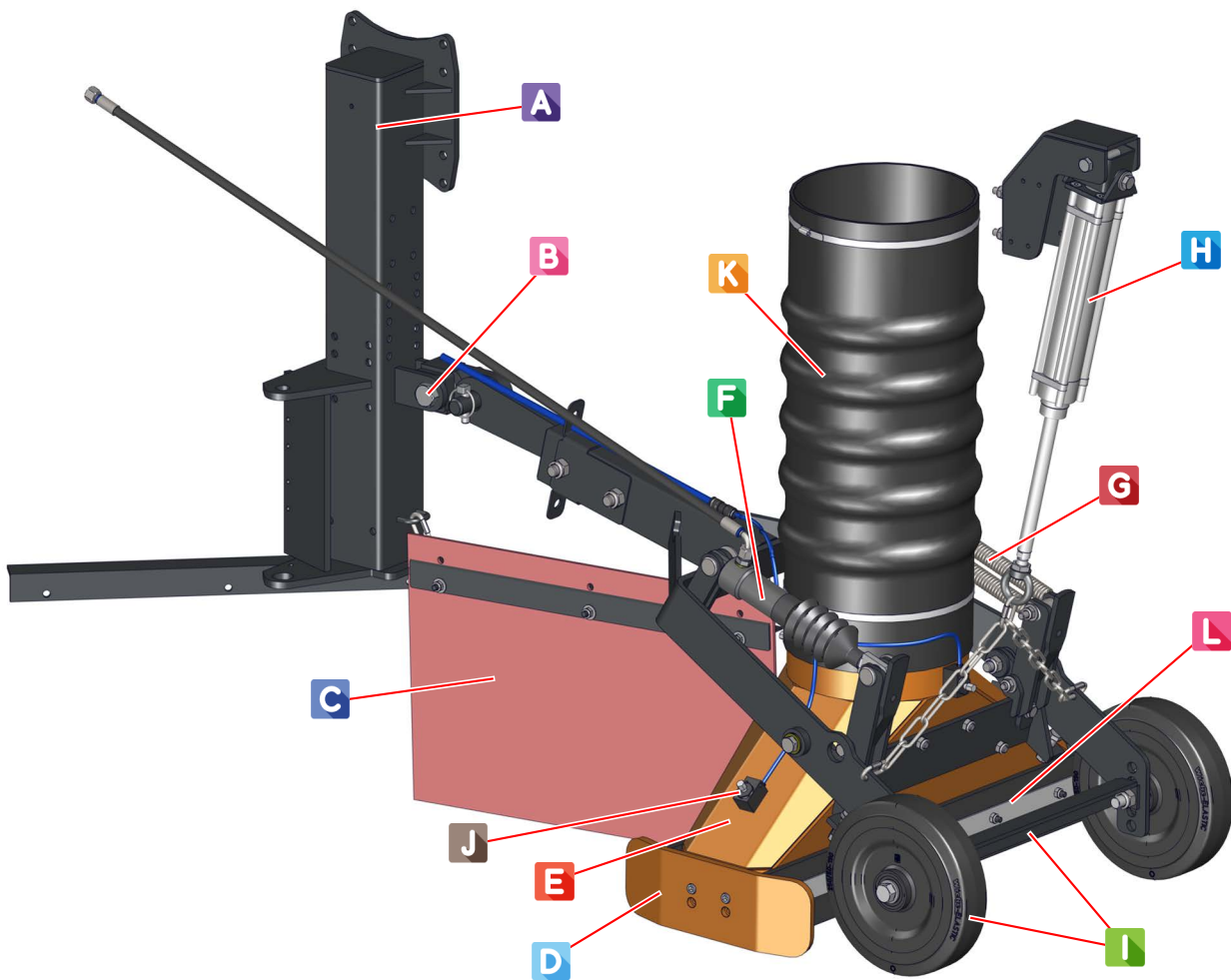


Figure 48: Suction nozzle arrangement, left hand - MYC

Item	Part No	Qty	Description	
A	SCA034265	1	Subframe leg, left hand	58
B			Suction nozzle tow pin	93
C			Side skirt, suction nozzle, left hand	94
D			Skid plate	104
E			Suction nozzle	104
F			Suction nozzle tilt ram	99
G			Suction nozzle tilt return springs	100
H			Suction nozzle lift assembly	95
I			Suction nozzle wheels and axle	97
J			Suction nozzle water spray jets	103
K			Suction nozzle hose	96
L			Suction nozzle flaps	104

Suction nozzle tow pin, left hand - MYC

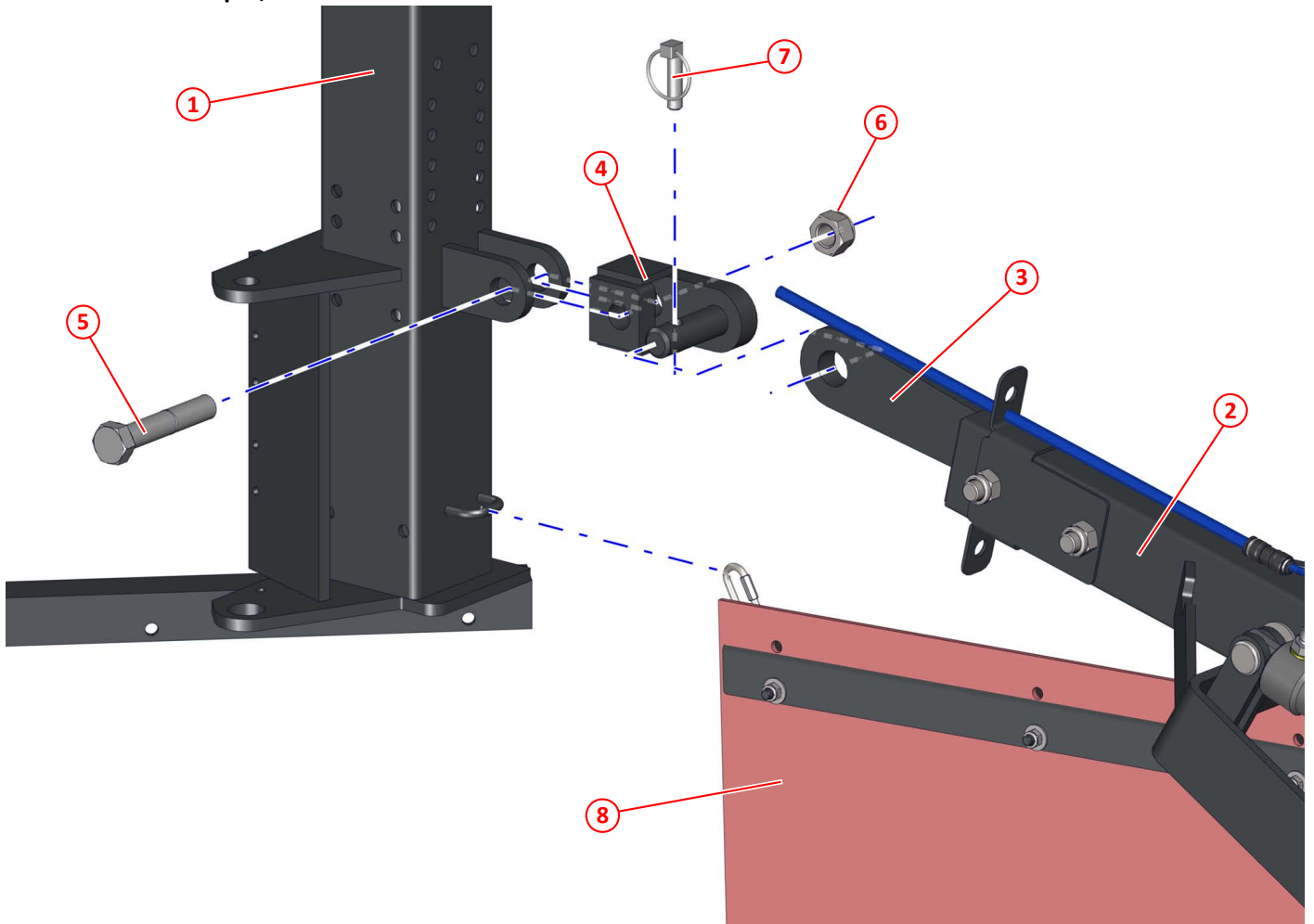


Figure 49: Suction nozzle tow pin, left hand - MYC

Item	Part No	Qty	Description	
①	SCA034265	1	Subframe leg, left hand	58
②	SCA047128	1	Suction nozzle frame, left hand	101
③	SCA045464	1	Suction nozzle tow hitch	98
④	SCA045465	1	Suction nozzle tow pin	
⑤	SCA011422	1	Bolt HT M20 x 110	
⑥	SCA011082	1	Nyloc nut M20	
⑦	SCA013053	1	Lynch pin	
⑧	SCA010247	1	Side skirt, suction nozzle, left hand	94

Suction nozzle skirt, left hand - MYC

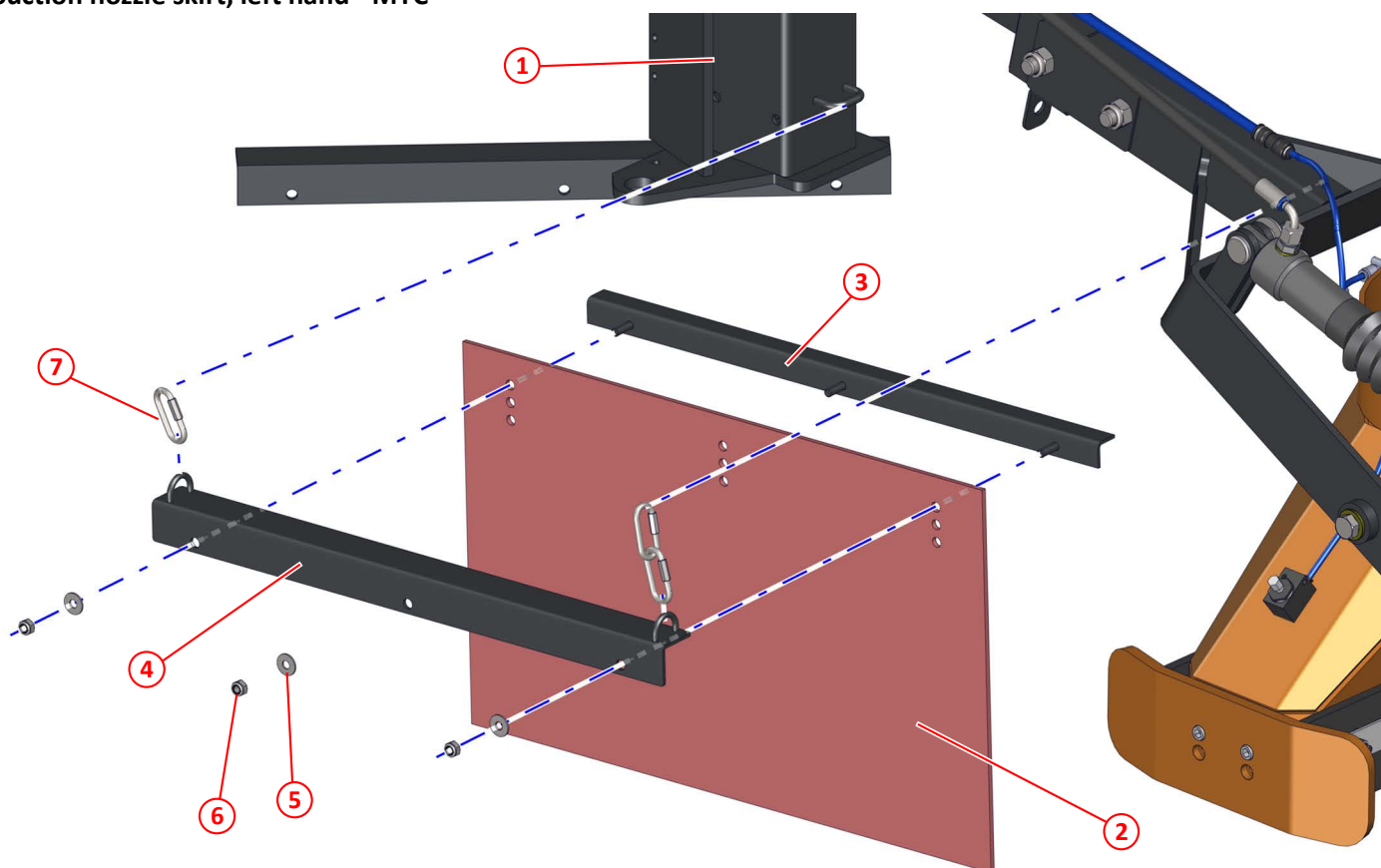


Figure 50: Suction nozzle skirt, left hand - MYC

Item	Part No	Qty	Description	
①	SCA034265	1	Subframe leg, left hand	58
②	SCA010247	1	Skirt, 3-pitch, heavy duty	
③	SCA010275	1	Skirt clamp	
④	SCA013145	1	Skirt angle	
⑤	SCA011092	3	Washer M8	
⑥	SCA011073	3	Nyloc nut M8	
⑦	SCA010606	3	Carabiner	

Suction nozzle lift assembly, left hand - MYC

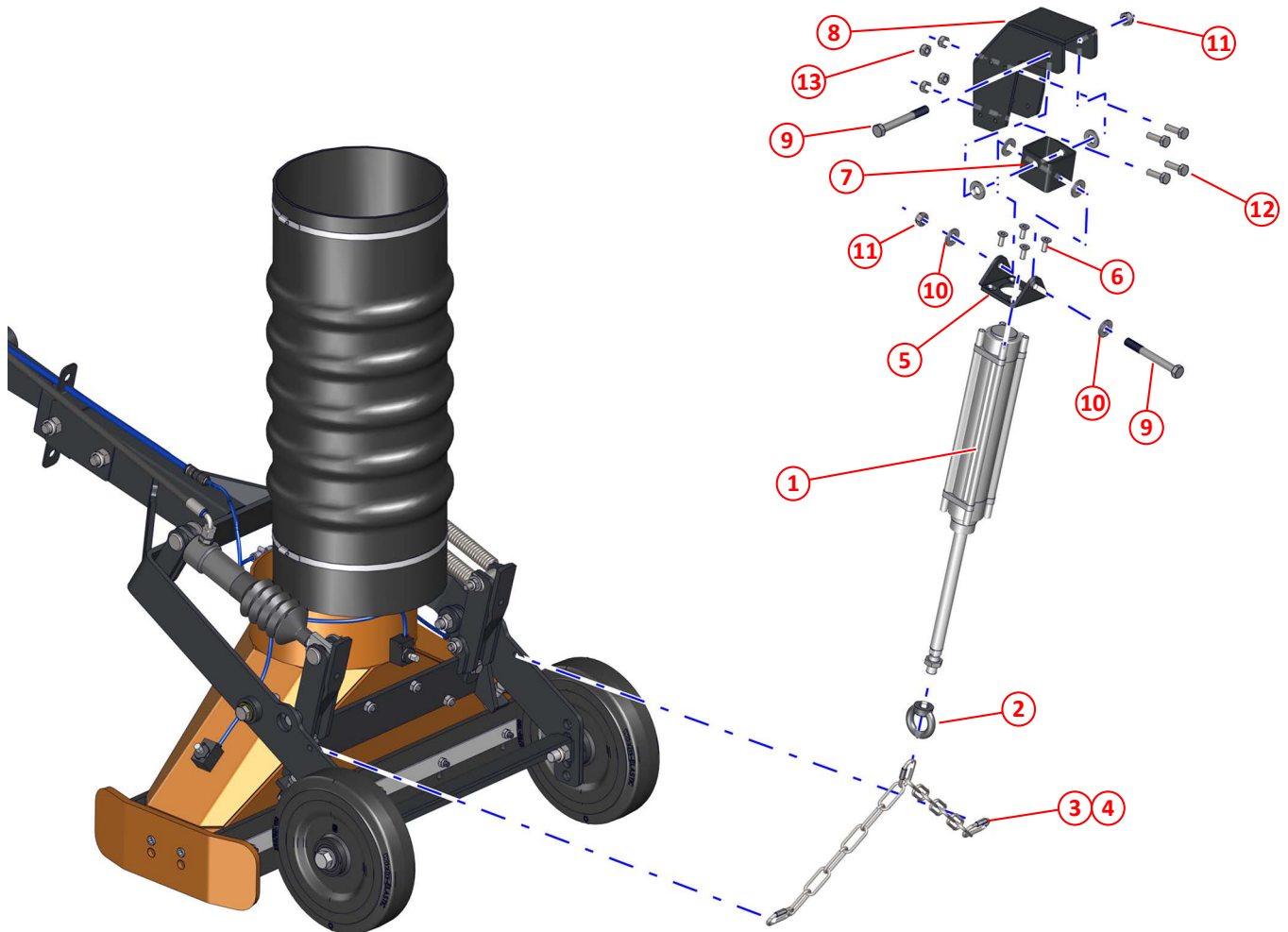


Figure 51: Suction nozzle lift assembly, left hand - MYC

Item	Part No	Qty	Description
①	SCA030772	1	Pneumatic cylinder 50 x 200
②	SCA032293	1	Ring nut M16 x 1.5
③	SCA010606	3	Carabiner
④	SCA010525	2	Chain, large link
⑤	SCA030777	1	Cylinder pivot
⑥	SCA000003	4	Socket countersunk screw M8 x 20, plated
⑦	SCA030776	1	Cylinder pivot block
⑧	SCA030775	1	Cylinder mount bracket, nozzle lift assembly
⑨	SCA011057	2	Bolt M12 X 100
⑩	SCA011096	6	Washer M12
⑪	SCA011077	2	Nyloc nut M12
⑫	SCA011032	4	Setscrew HT M10 x 30
⑬	SCA011075	4	Nyloc nut M10

Suction nozzle hose, left hand - MYC

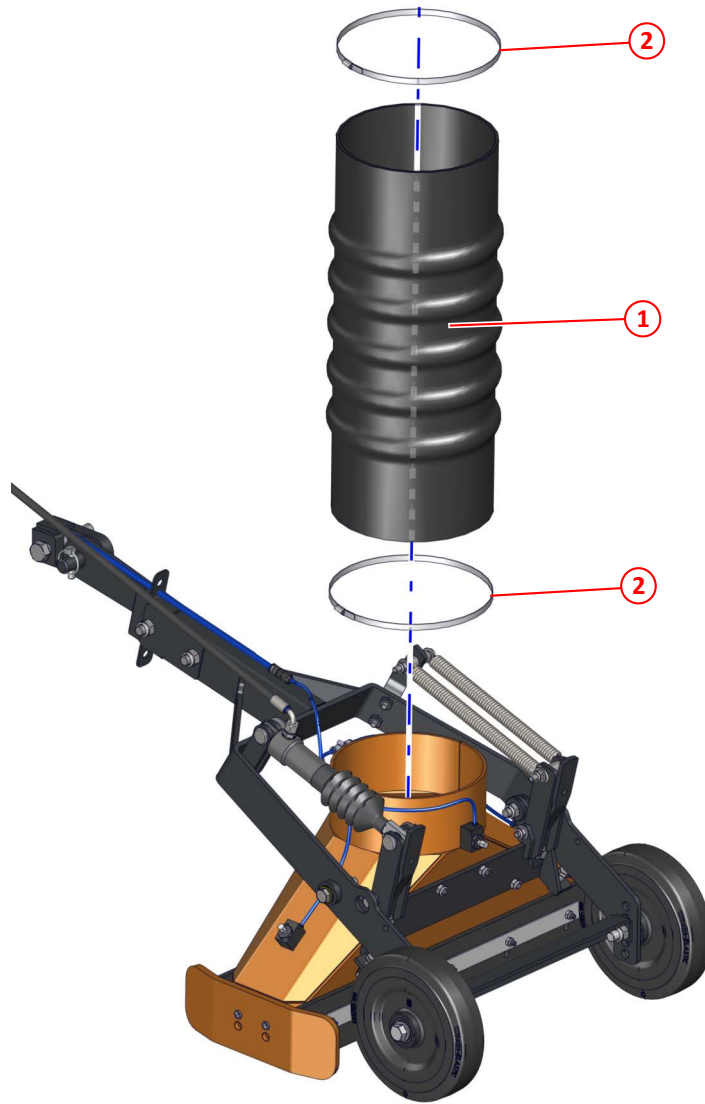


Figure 52: Suction nozzle hose, left hand - MYC

Item	Part No	Qty	Description
①	SCA013028	1	Hose, suction nozzle
②	SCA012933	2	Jubilee clip No 10.50 (235 - 267)

Suction nozzle wheels and axle, left hand - MYC

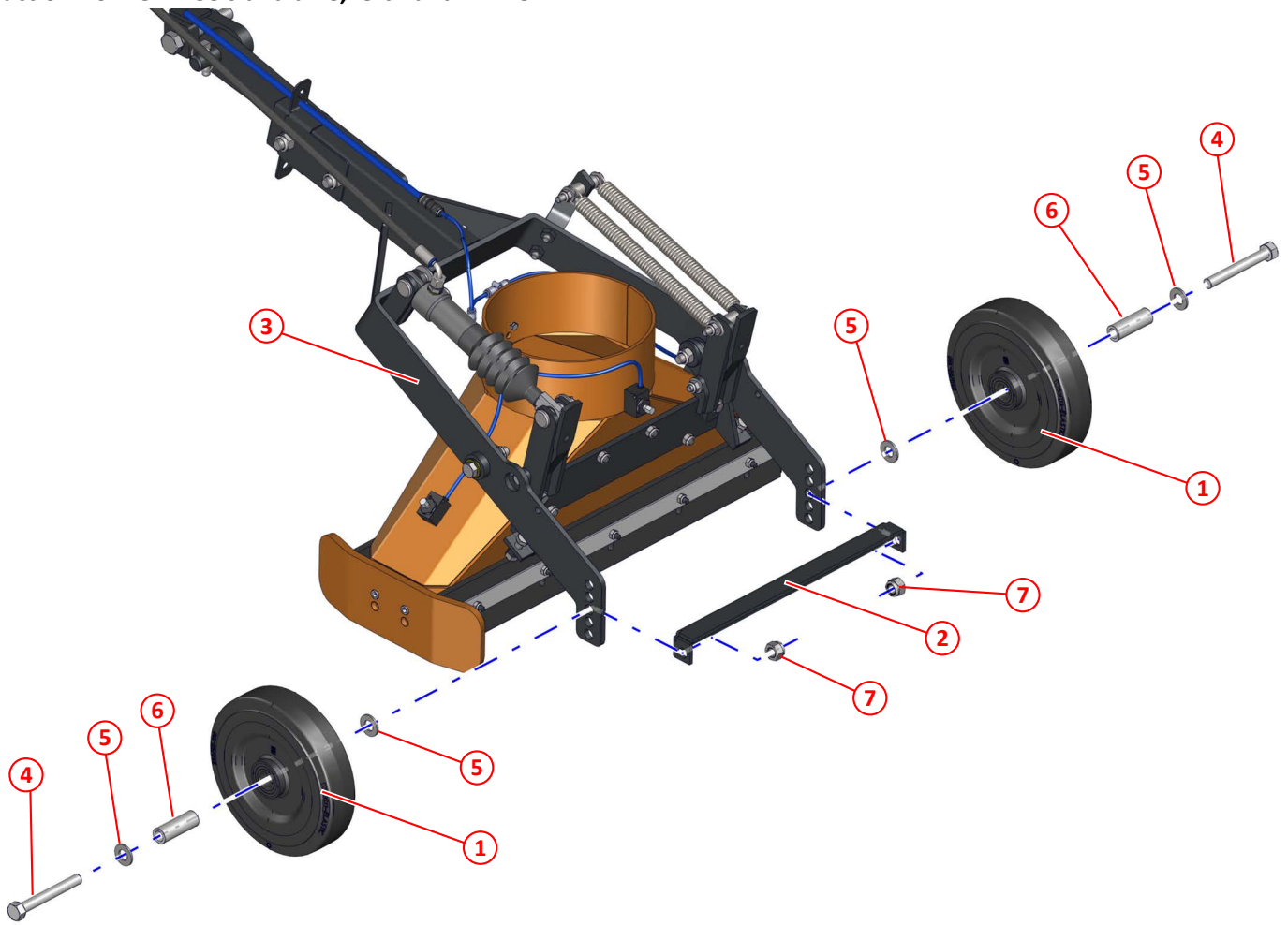


Figure 53: Suction nozzle wheels and axle, left hand - MYC

Item	Part No	Qty	Description	
①	SCA049505	2	Nozzle wheel, 250 DIA (greased)	
②	SCA031833	1	Nozzle axle angle	
③	SCA047128	1	Suction nozzle frame, left hand	101
④	SCA000581	2	Bolt HT M16 x 2 x 120 8.8 SS	
⑤	SCA011135	4	Washer M16	
⑥	SCA049506	2	Spacer 25 OD x 16.5 ID x 70LG	
⑦	SCA011060	2	Nyloc nut M16	

Suction nozzle tow hitch, left hand - MYC

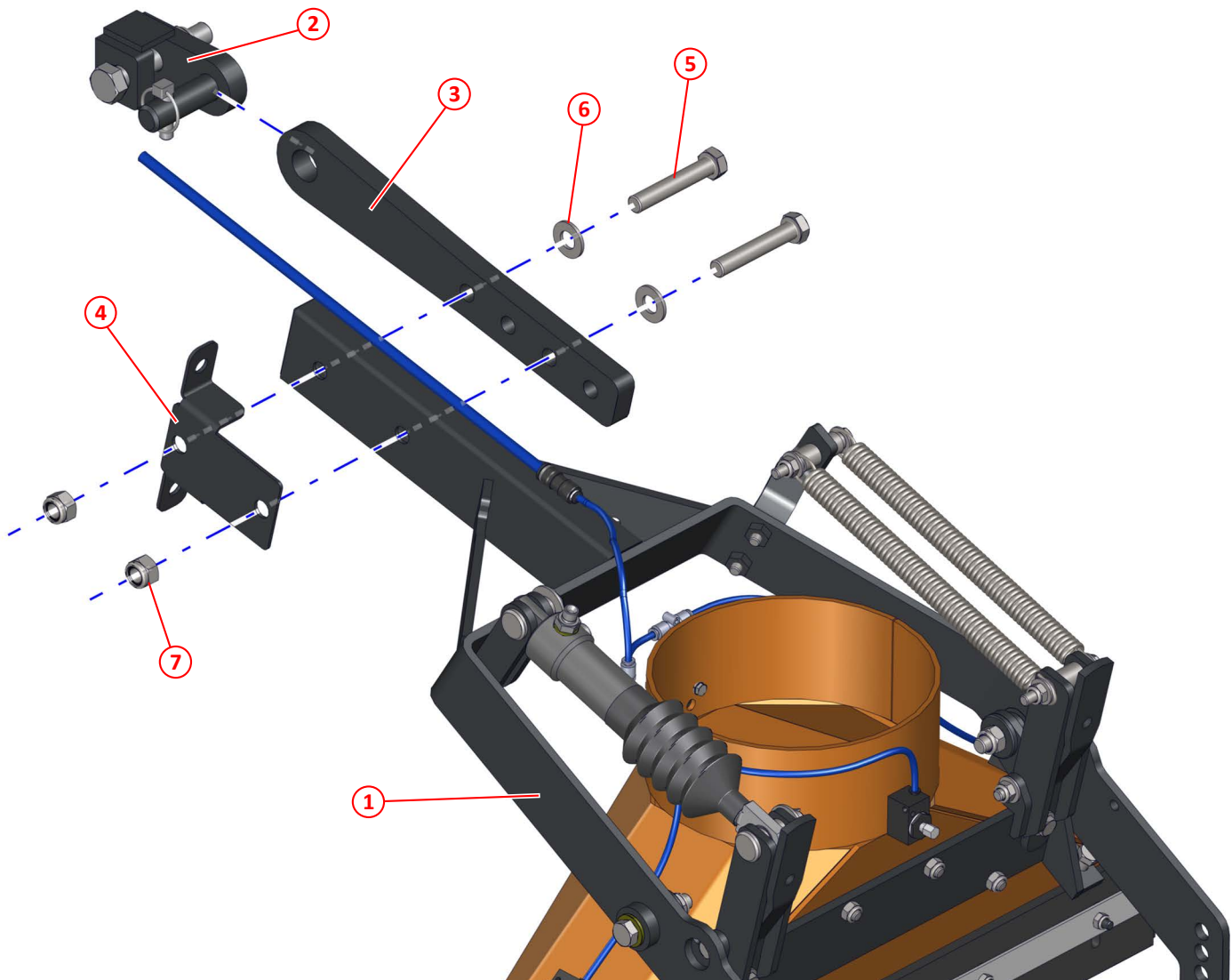


Figure 54: Suction nozzle tow hitch, left hand - MYC

Item	Part No	Qty	Description	
①	SCA047128	1	Suction nozzle frame, left hand	101
②	SCA045465	1	Suction nozzle tow pin	93
③	SCA045464	1	Suction nozzle tow hitch	
④	SCA049835	1	Bracket, tap, HP nozzle boost bar	
⑤	SCA000043	2	Bolt M16 x 90	
⑥	SCA011135	2	Washer M16	
⑦	SCA011060	2	Nyloc nut M16	

Suction nozzle tilt ram, left hand - MYC

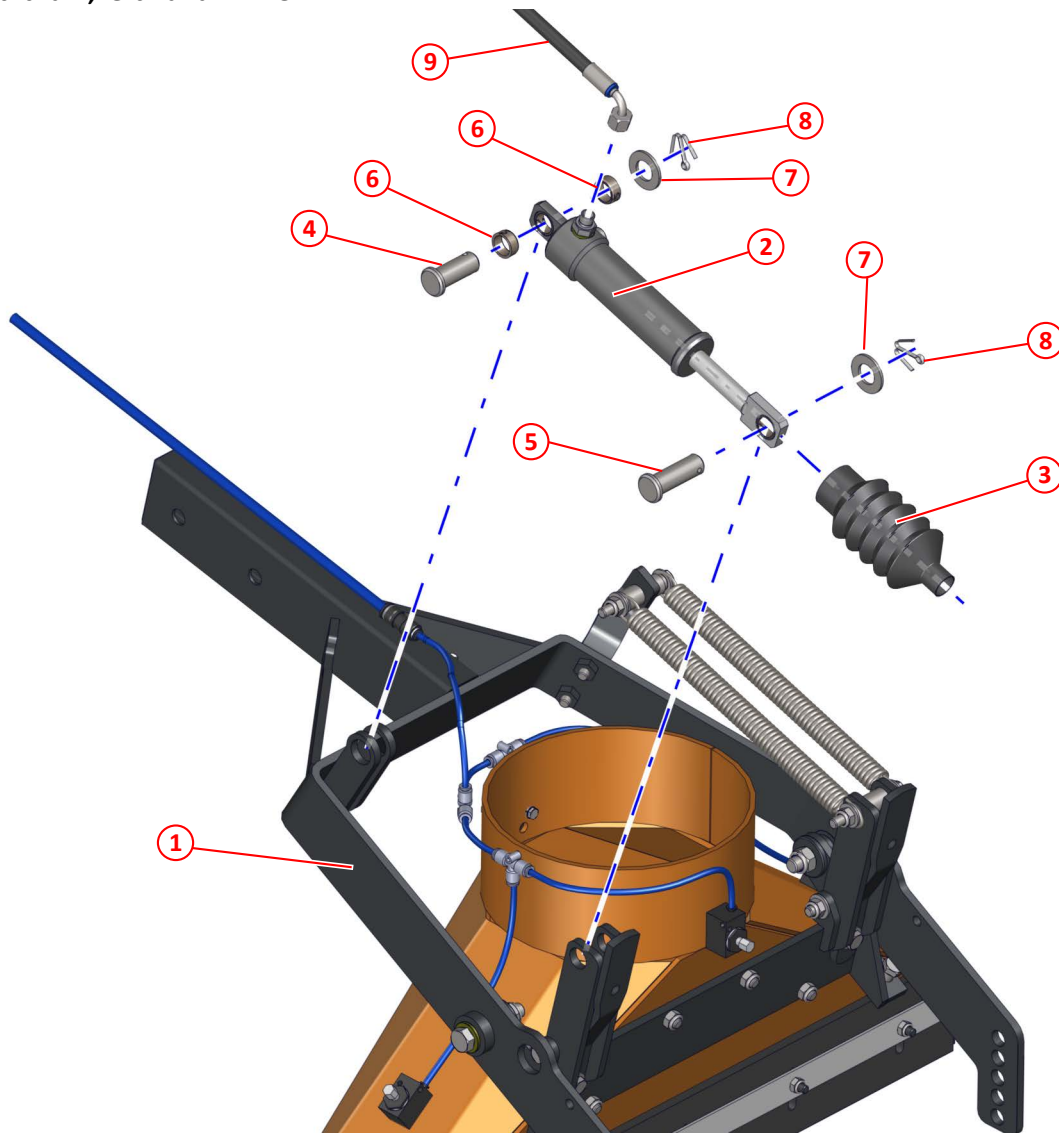


Figure 55: Suction nozzle tilt ram, left hand - MYC

Item	Part No	Qty	Description	
①	SCA047128	1	Suction nozzle frame, left hand	101
②	SCA041954	1	Suction nozzle lift ram	
③	SCA014473	1	Bellows, ram	
④	SCA046750	1	Clevis pin 20 DIA x 50 long	
⑤	SCA046749	1	Clevis pin 20 DIA x 60 long	
⑥	SCA024682	2	BUSH 25 X 20 X 10	
⑦	SCA011102	2	Washer M20	
⑧	SCA011122	2	Split pin 3/16" x 1 1/2"	
⑨	SCA001371	1	Hose 1/4" X 1225 (ST/90)	

Suction nozzle tilt return springs, left hand - MYC

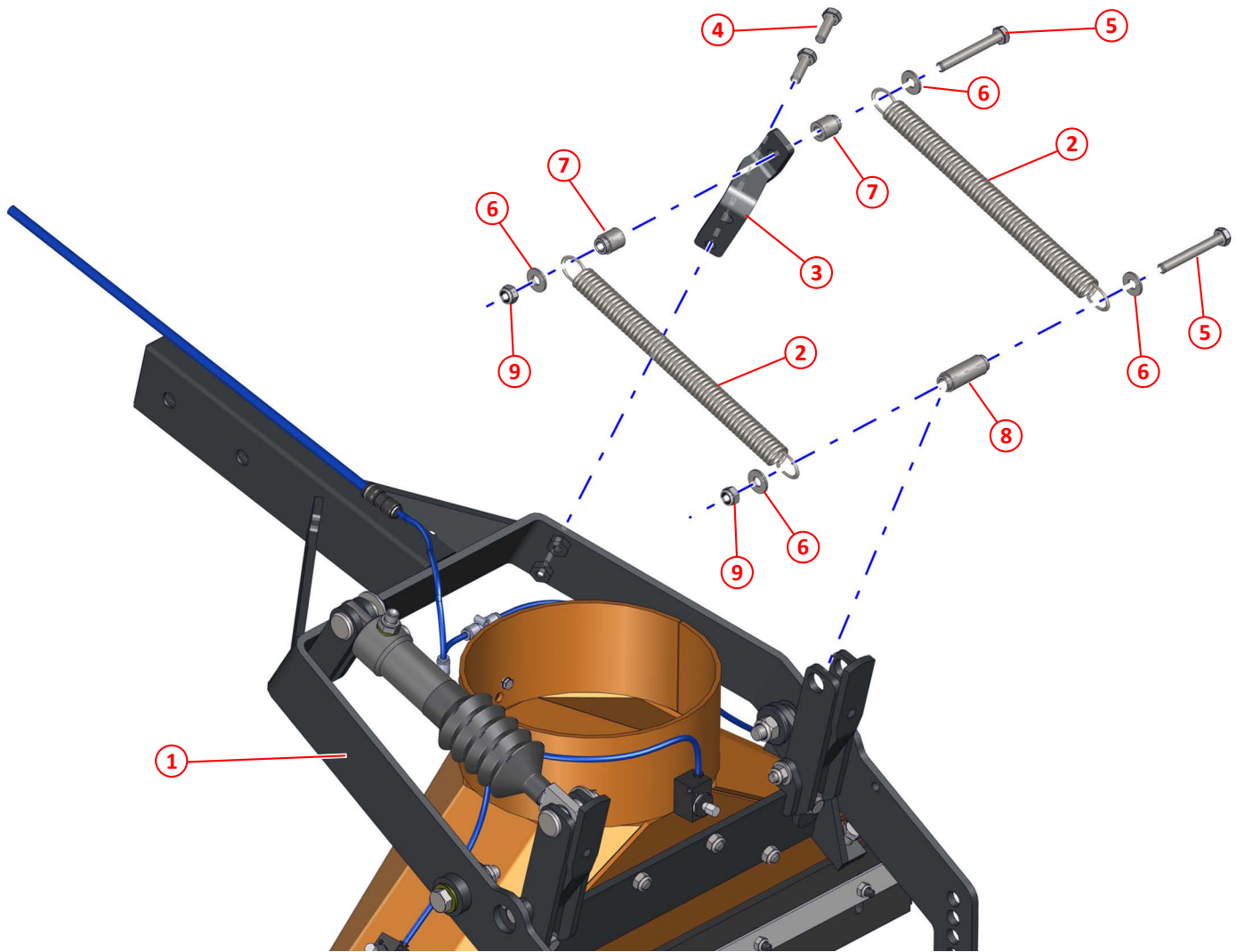


Figure 56: Suction nozzle tilt return spring, left hand - MYC

Item	Part No	Qty	Description	
①	SCA047128	1	Suction nozzle frame, left hand	101
②	SCA010017	2	Spring 8" long	
③	SCA047126	1	Spring bracket, left hand suction nozzle	
④	SCA011032	2	Setscrew HT M10 x 30	
⑤	SCA011038	2	Bolt HT M10 x 80	
⑥	SCA011094	4	Washer M10	
⑦	SCA047135	2	Spring boss 10.5 x 23.5 stepped	
⑧	SCA047136	1	Spring boss 10.5 x 55 double stepped	
⑨	SCA011075	2	Nyloc nut M10	

Suction nozzle frame, left hand - MYC

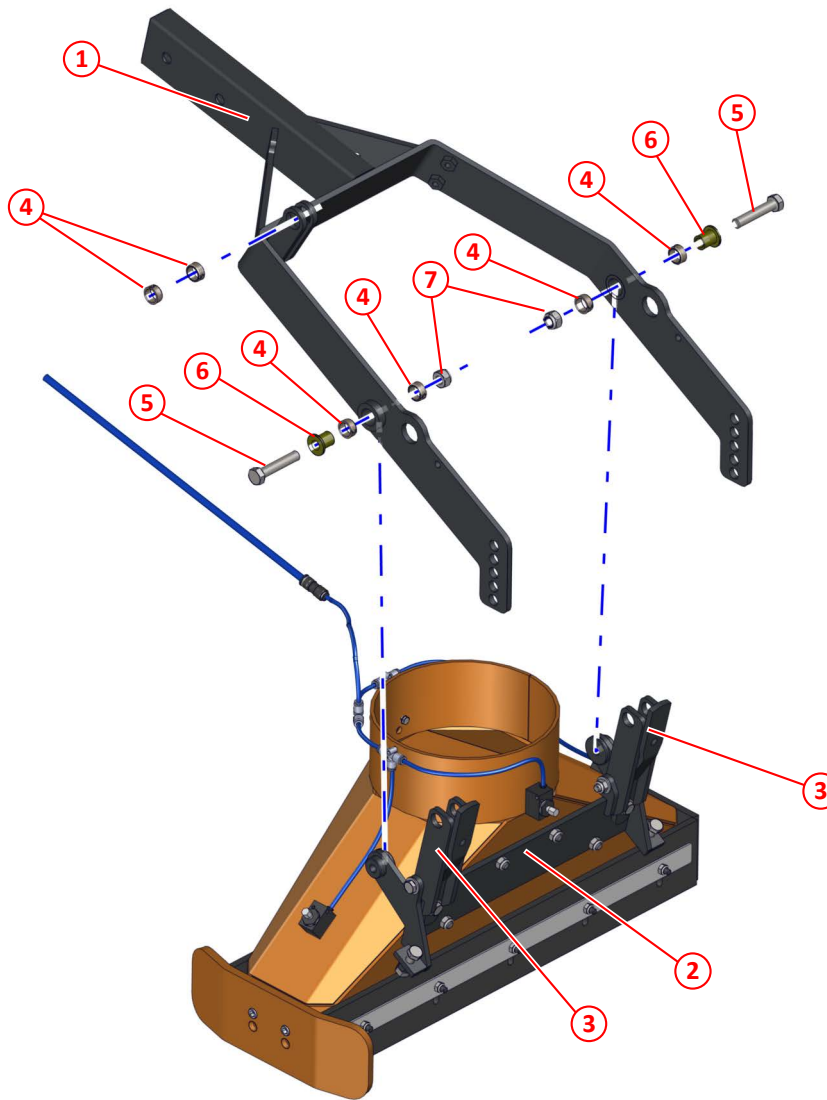


Figure 57: Suction nozzle frame, left hand - MYC

Item	Part No	Qty	Description	
①	SCA047128	1	Suction nozzle frame, left hand	
②	SCA047114	1	Nozzle pivot	102
③	SCA047116	2	Mounting bracket, spring/ram	102
④	SCA024682	6	Bush 25 x 20 x 10	
⑤	SCA000351	2	Setscrew M14 x 70	
⑥	SCA021416	2	Sleeve	
⑦	SCA011127	2	Nyloc nut M14	

Suction nozzle pivot, left hand - MYC

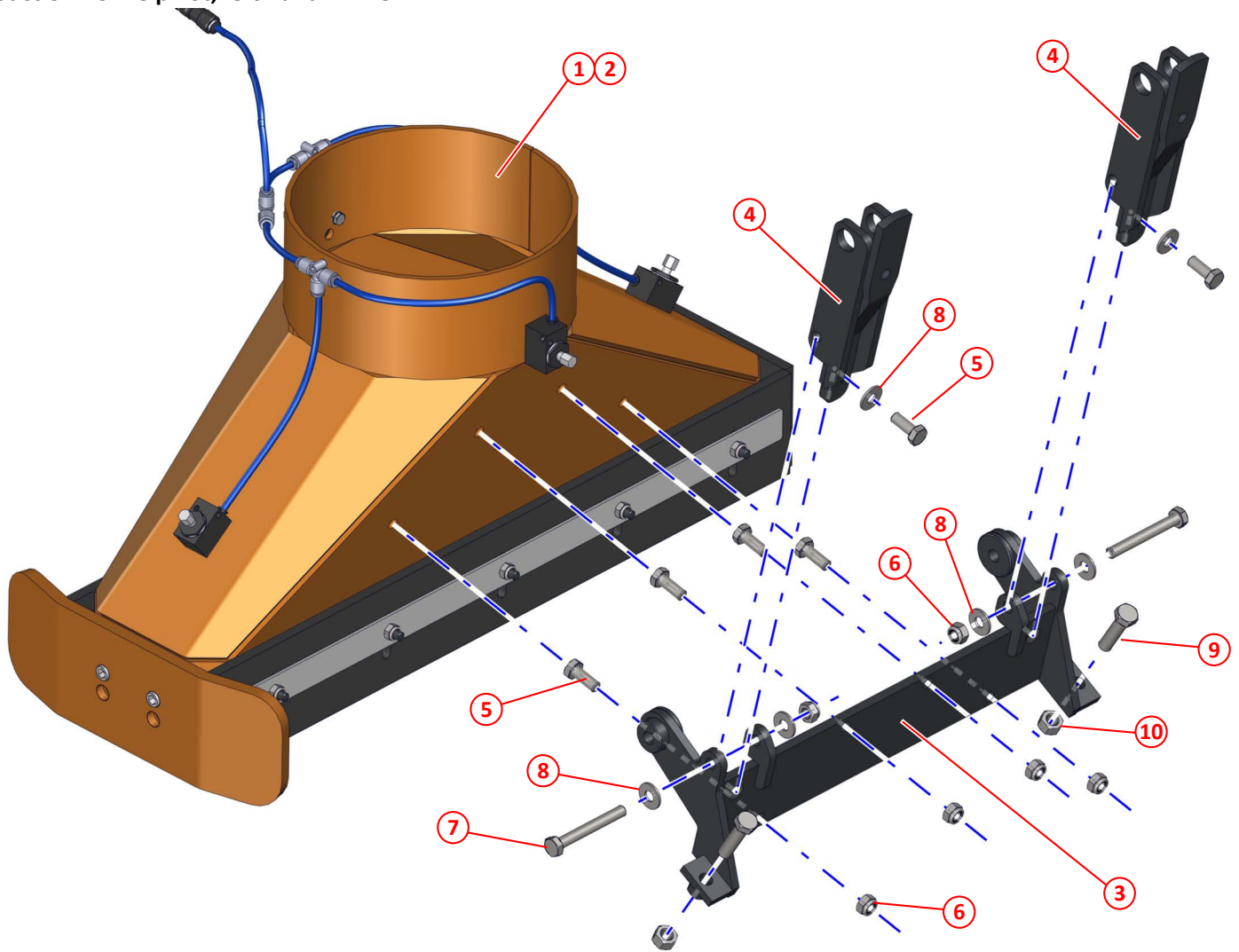


Figure 58: Suction nozzle pivot, left hand - MYC

Item	Part No	Qty	Description	
①	SCA047107	1	Suction nozzle	104
②	SCA047988	1	Suction nozzle, PU lined	104
③	SCA047114	1	Nozzle pivot	
④	SCA047116	2	Mounting bracket, spring/ram	
⑤	SCA011031	6	Setscrew HT M10 x 25	
⑥	SCA011075	6	Nyloc nut M10	
⑦	SCA011038	2	Bolt HT M10 x 80	
⑧	SCA011094	6	Washer M10	
⑨	SCA011054	2	Setscrew HT M12 x 45	
⑩	SCA011076	2	Full nut M12	

Suction nozzle water spray jets, left hand - MYC

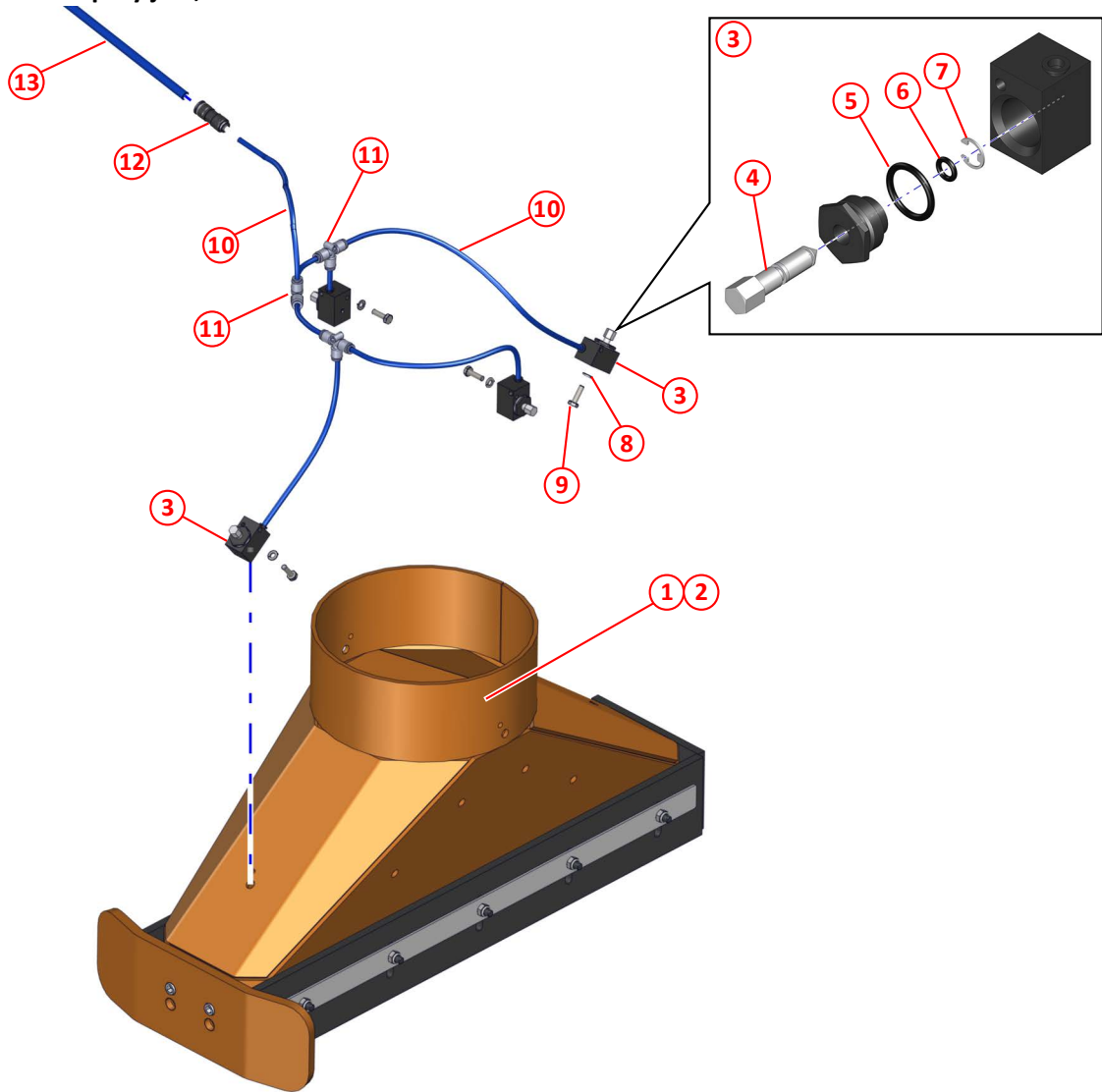


Figure 59: Suction nozzle water spray jets, left hand - MYC

Item	Part No	Qty	Description	
①	SCA047107	1	Suction nozzle	104
②	SCA047988	1	Suction nozzle, PU lined	104
③	SCA034342	4	LP water nozzle, complete	
④	SCA013366	1	Nozzle valve	
⑤	SCA013525	1	O ring 18.5 ID x 2.5 DIA section	
⑥	SCA013783	1	O ring 8 OD x 1.6 section	
⑦	SCA013784	1	Retaining clip 6mm stainless	
⑧	SCA011091	4	Spring washer M6	
⑨	SCA011067	4	Setscrew HT M6 x 20	
⑩	SCA035733	6	6mm OD blue flexible nylon tubing	
⑪	SCA024647	3	6mm tee grey	
⑫	SCA041029	1	10mm to 6mm straight push in adapter	
⑬	SCA041031	1	10mm OD blue flexible nylon tubing	

Suction nozzle, flaps and skid plate, left hand - MYC

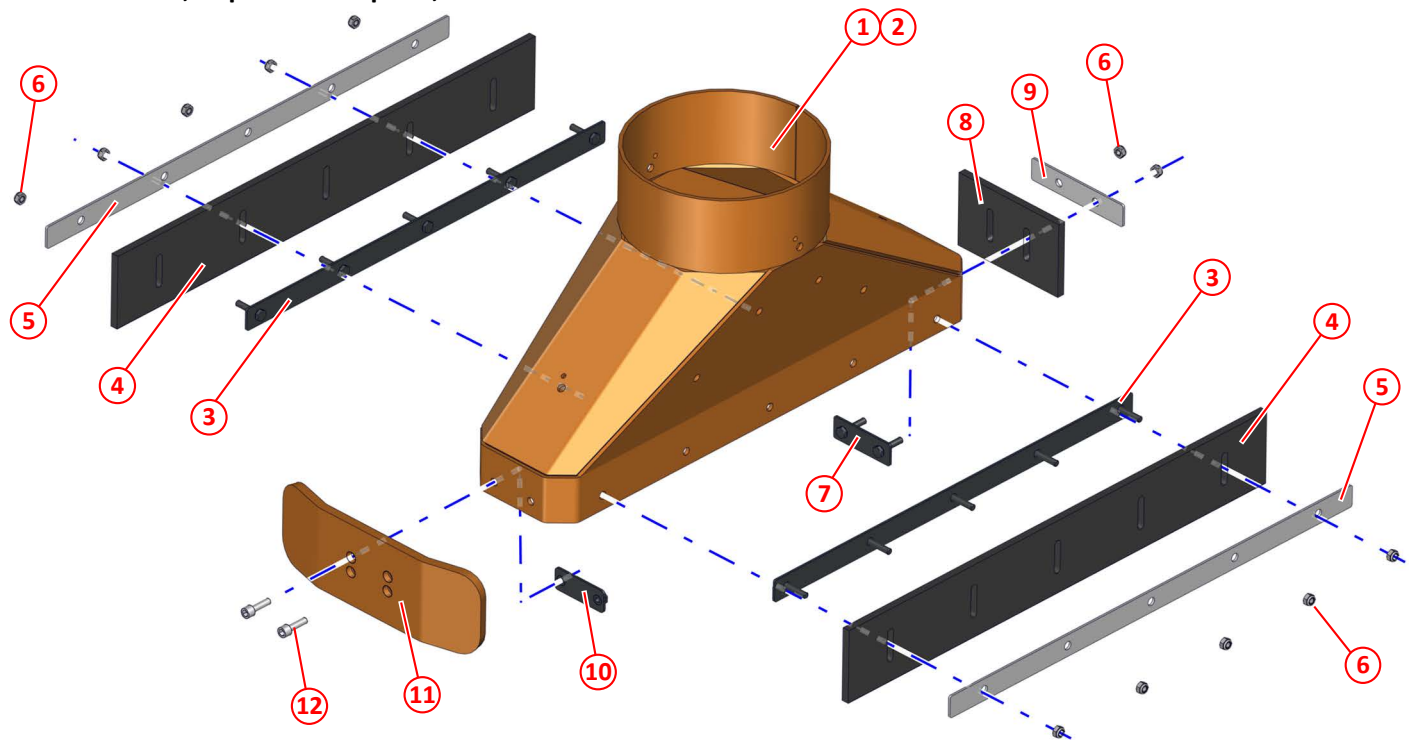


Figure 60: Suction nozzle, flaps and skid plate, left hand - MYC

Item	Part No	Qty	Description
①	SCA047107	1	Suction nozzle
②	SCA047988	1	Suction nozzle, PU lined
③	SCA047110	2	Flap clamp, long
④	SCA047108	2	Flap, long
⑤	SCA047112	2	Flap clamp strip, long
⑥	SCA011073	12	Nyloc nut M8
⑦	SCA047113	1	Flap clamp, short
⑧	SCA047109	1	Flap, short
⑨	SCA047111	1	Flap clamp strip, short
⑩	SCA047323	1	Skid plate clamp strip
⑪	SCA047115	1	Skid plate
⑫	SCA000567	2	Socket cap head screw M8 x 1.25 x 30, 8.8, stainless steel

Suction nozzle arrangement, right hand - MYC

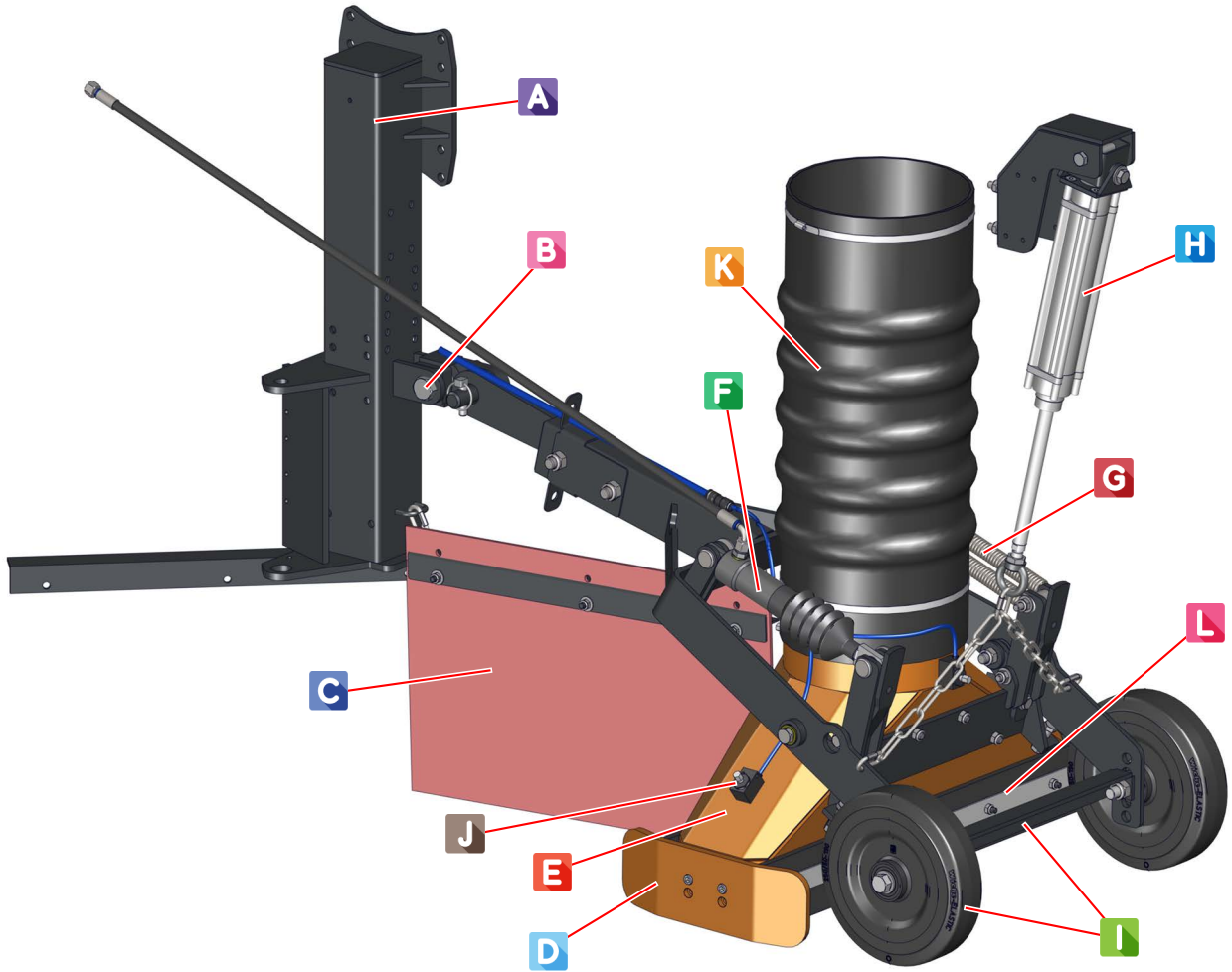


Figure 61: Suction nozzle arrangement, right hand - MYC

Item	Part No	Qty	Description	
A	SCA034266	1	Subframe leg, right hand	72
B			Suction nozzle tow pin	106
C			Side skirt, suction nozzle, right hand	107
D			Skid plate	117
E			Suction nozzle	117
F			Suction nozzle tilt ram	112
G			Suction nozzle tilt return springs	113
H			Suction nozzle lift assembly	108
I			Suction nozzle wheels and axle	110
J			Suction nozzle water spray jets	116
K			Suction nozzle hose	109
L			Suction nozzle flaps	117

Suction nozzle tow pin, right hand - MYC

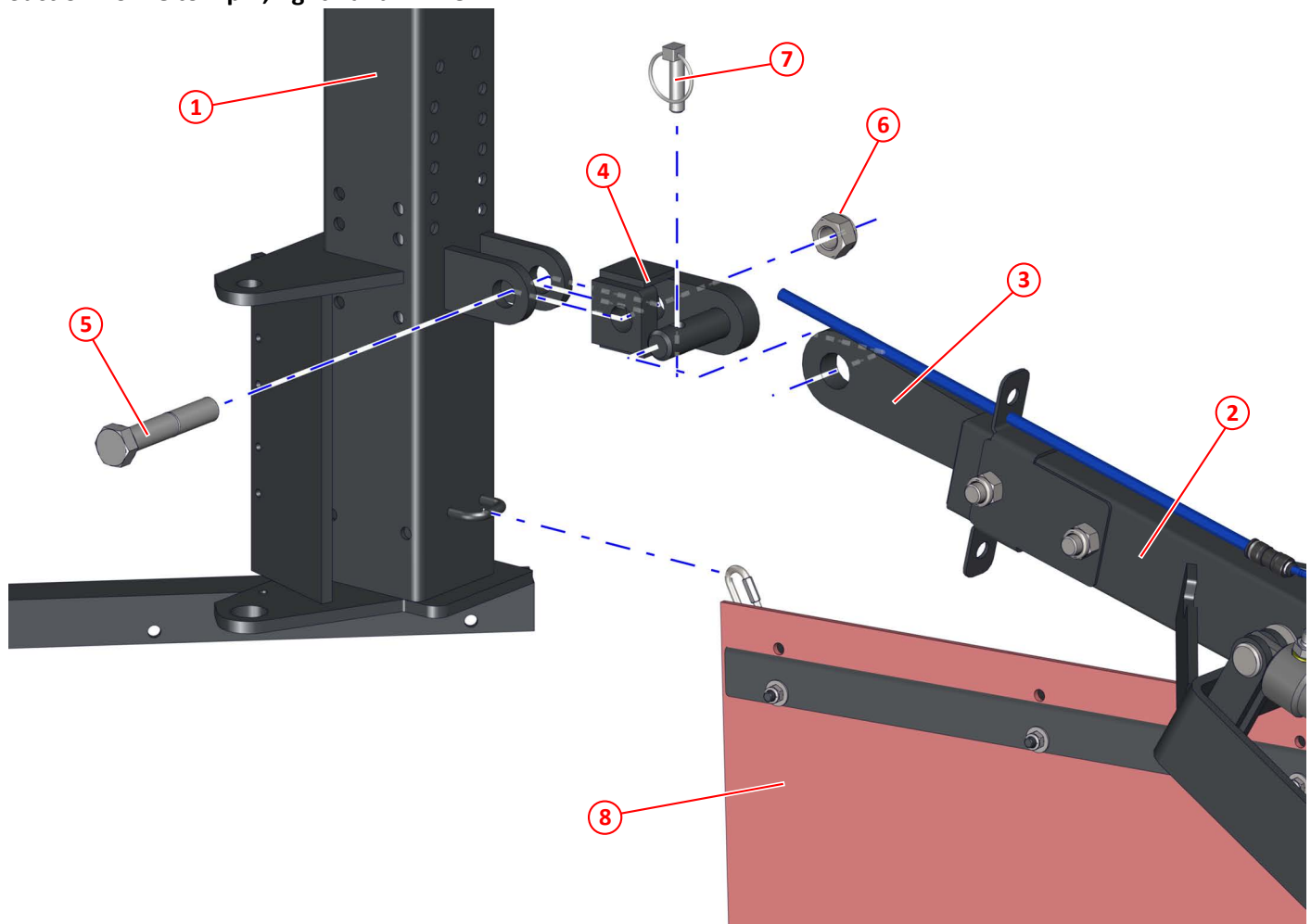


Figure 62: Suction nozzle tow pin, right hand - MYC

Item	Part No	Qty	Description	
①	SCA034266	1	Subframe leg, right hand	72
②	SCA047129	1	Suction nozzle frame, right hand	114
③	SCA045464	1	Suction nozzle tow hitch	111
④	SCA045465	1	Suction nozzle tow pin	
⑤	SCA011422	1	Bolt HT M20 x 110	
⑥	SCA011082	1	Nyloc nut M20	
⑦	SCA013053	1	Lynch pin	
⑧	SCA010247	1	Side skirt, suction nozzle, left hand	107

Suction nozzle skirt, right hand - MYC

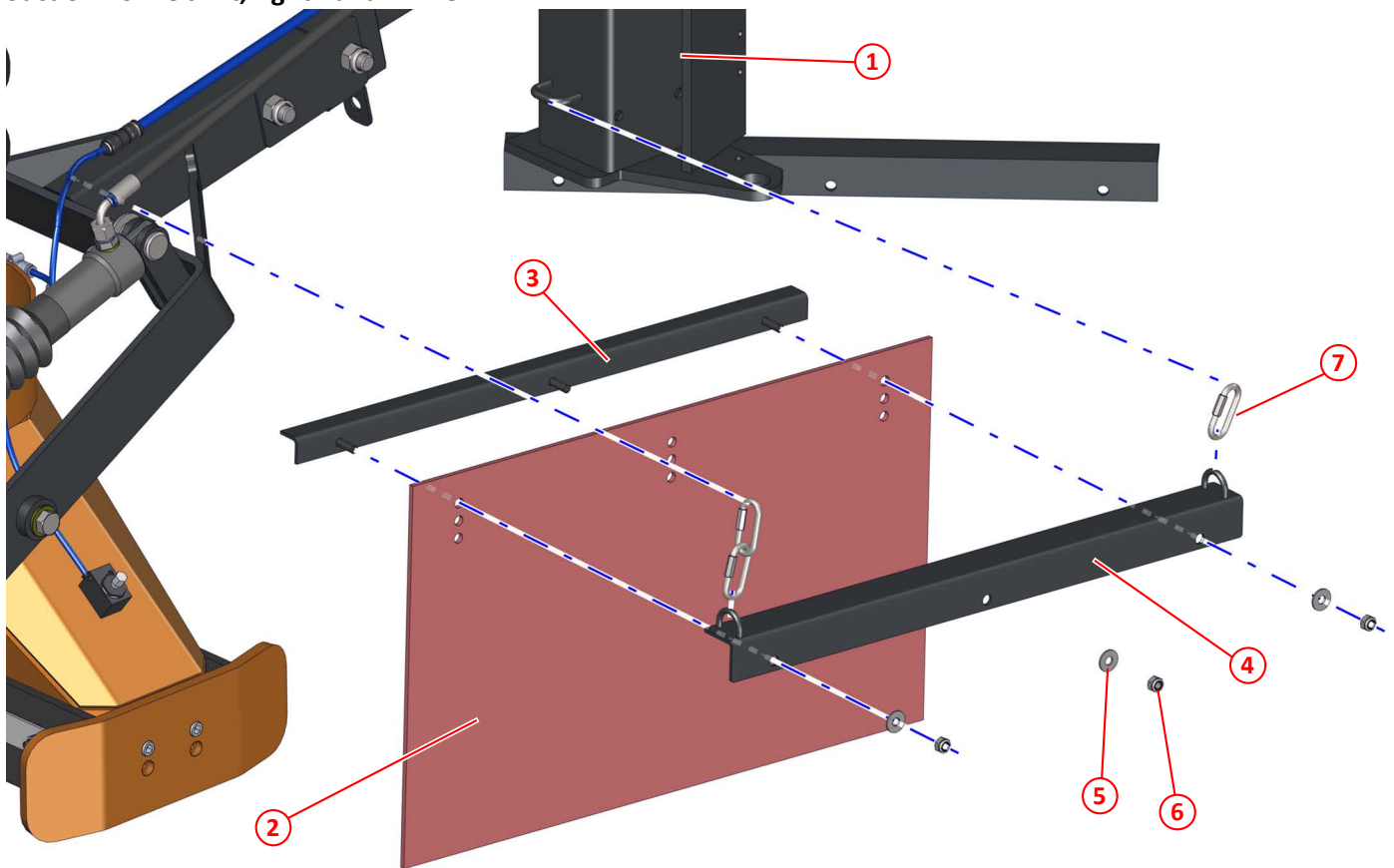


Figure 63: Suction nozzle skirt, right hand - MYC

Item	Part No	Qty	Description	
①	SCA034266	1	Subframe leg, right hand	72
②	SCA010247	1	Skirt, 3-pitch, heavy duty	
③	SCA010275	1	Skirt clamp	
④	SCA013145	1	Skirt angle	
⑤	SCA011092	3	Washer M8	
⑥	SCA011073	3	Nyloc nut M8	
⑦	SCA010606	3	Carabiner	

Suction nozzle lift assembly, right hand - MYC

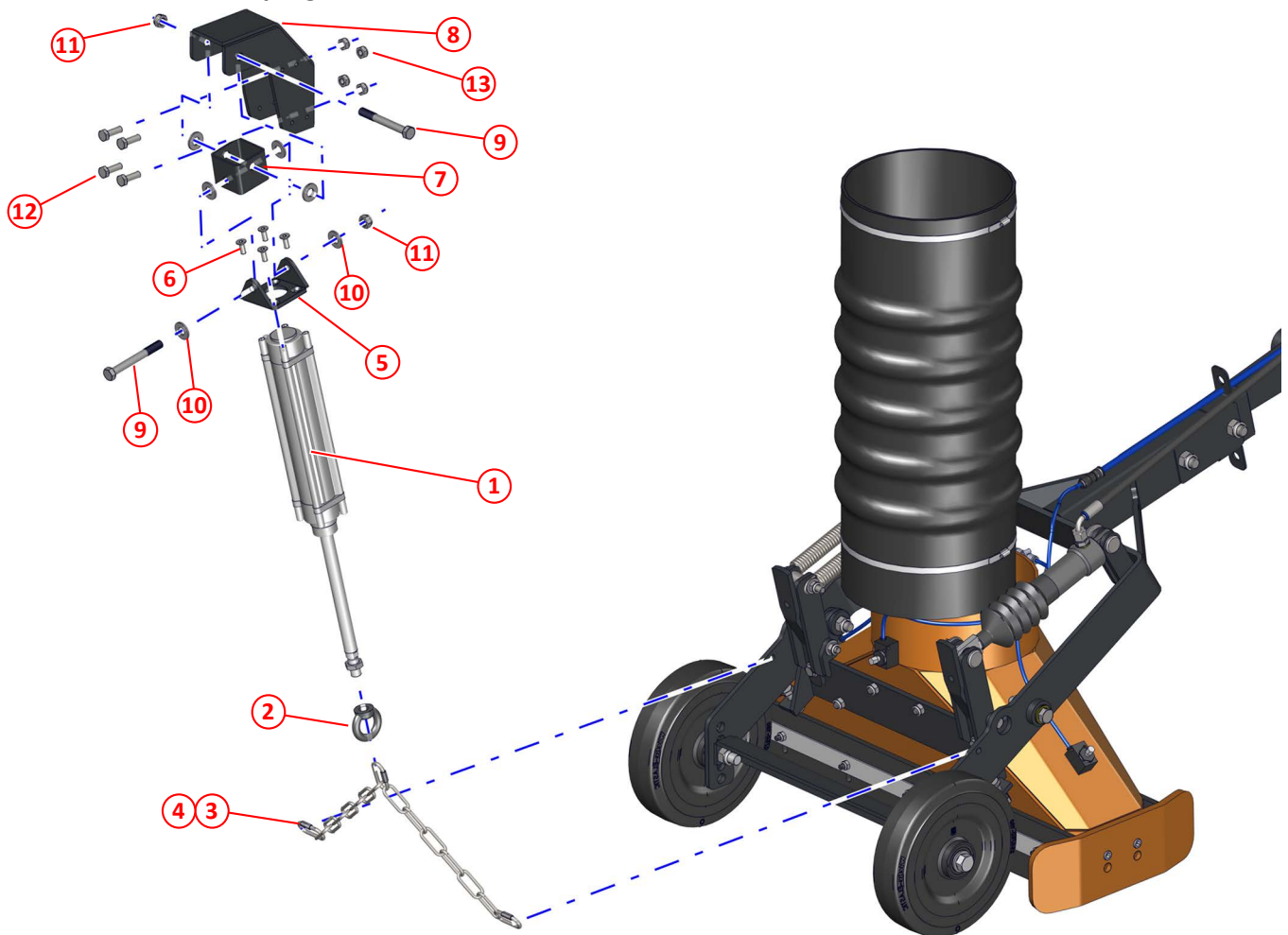


Figure 64: Suction nozzle lift assembly, right hand - MYC

Item	Part No	Qty	Description
①	SCA030772	1	Pneumatic cylinder 50 x 200
②	SCA032293	1	Ring nut M16 x 1.5
③	SCA010606	3	Carabiner
④	SCA010525	2	Chain, large link
⑤	SCA030777	1	Cylinder pivot
⑥	SCA000003	4	Socket countersunk screw M8 x 20, plated
⑦	SCA030776	1	Cylinder pivot block
⑧	SCA030775	1	Cylinder mount bracket, nozzle lift assembly
⑨	SCA011057	2	Bolt M12 X 100
⑩	SCA011096	6	Washer M12
⑪	SCA011077	2	Nyloc nut M12
⑫	SCA011032	4	Setscrew HT M10 x 30
⑬	SCA011075	4	Nyloc nut M10

Suction nozzle hose, right hand - MYC

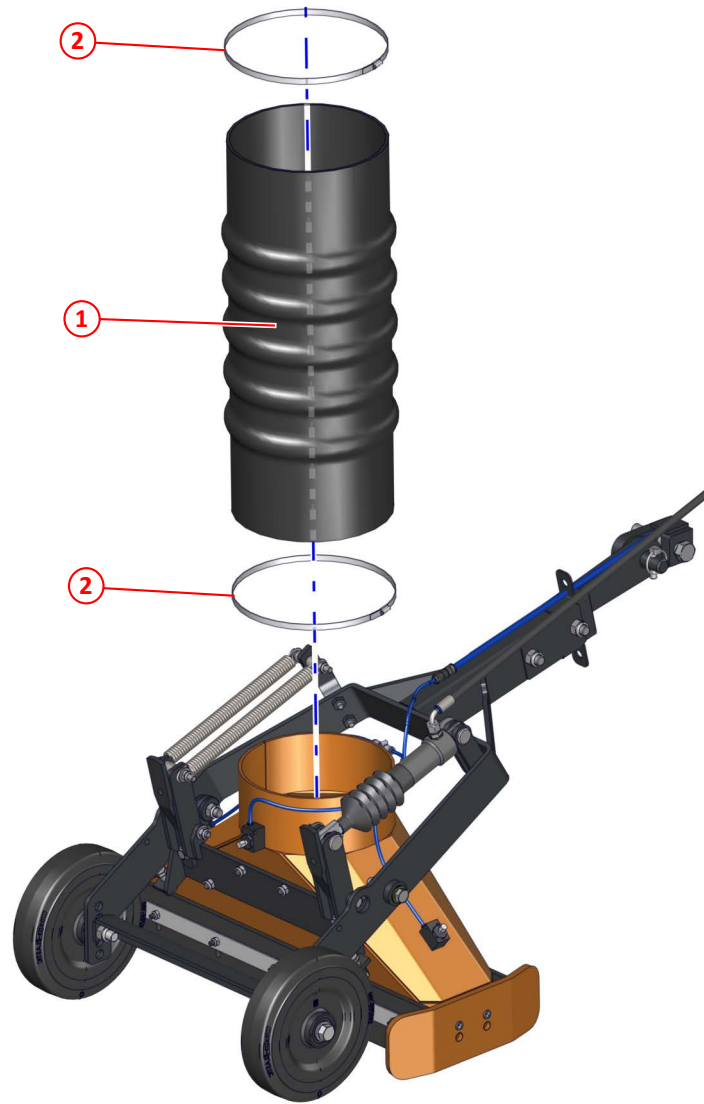


Figure 65: Suction nozzle hose, right hand - MYC

Item	Part No	Qty	Description
①	SCA013028	1	Hose, suction nozzle
②	SCA012933	2	Jubilee clip No 10.50 (235 - 267)

Suction nozzle wheels and axle, right hand - MYC

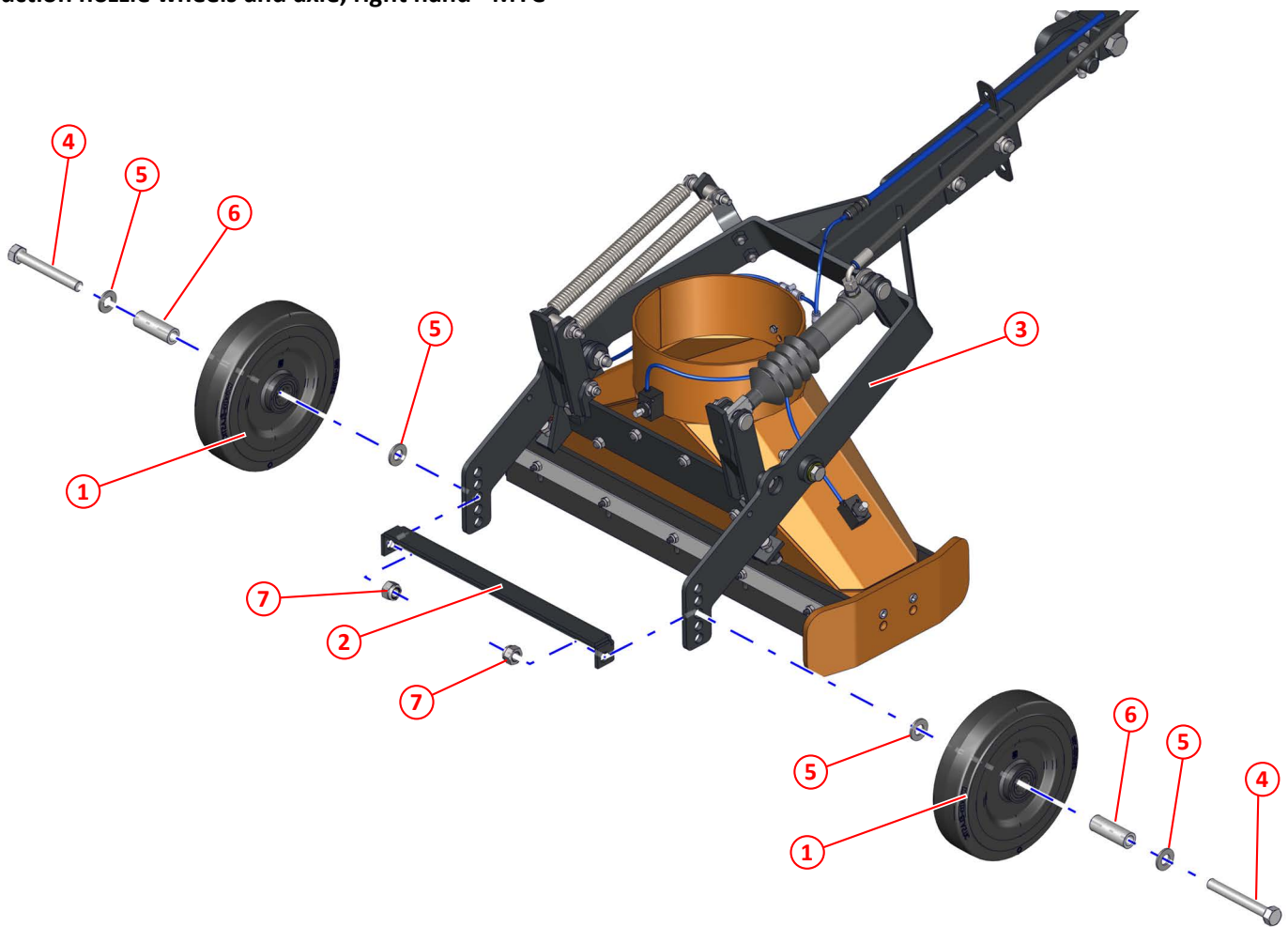


Figure 66: Suction nozzle wheels and axle, right hand - MYC

Item	Part No	Qty	Description	
①	SCA049505	2	Nozzle wheel, 250 DIA (greased)	
②	SCA031833	1	Nozzle axle angle	
③	SCA047129	1	Suction nozzle frame, right hand	114
④	SCA000581	2	Bolt HT M16 x 2 x 120 8.8 SS	
⑤	SCA011135	4	Washer M16	
⑥	SCA049506	2	Spacer 25 OD x 16.5 ID x 70LG	
⑦	SCA011060	2	Nyloc nut M16	

Suction nozzle tow hitch, right hand - MYC

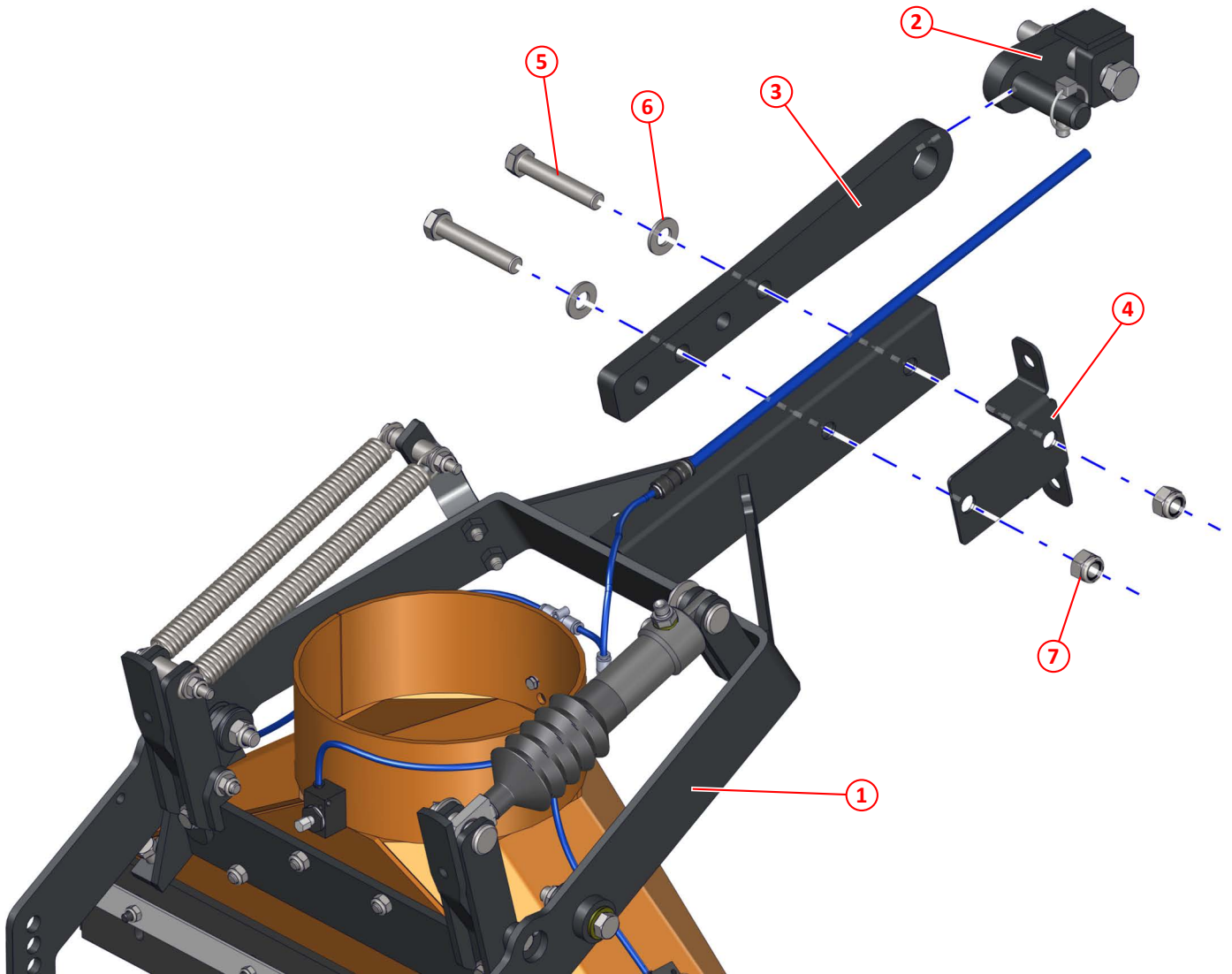


Figure 67: Suction nozzle tow hitch, right hand - MYC

Item	Part No	Qty	Description	
①	SCA047129	1	Suction nozzle frame, right hand	114
②	SCA045465	1	Suction nozzle tow pin	106
③	SCA045464	1	Suction nozzle tow hitch	
④	SCA049835	1	Bracket, tap, HP nozzle boost bar	
⑤	SCA000043	2	Bolt M16 x 90	
⑥	SCA011135	2	Washer M16	
⑦	SCA011060	2	Nyloc nut M16	

Suction nozzle tilt ram, right hand - MYC

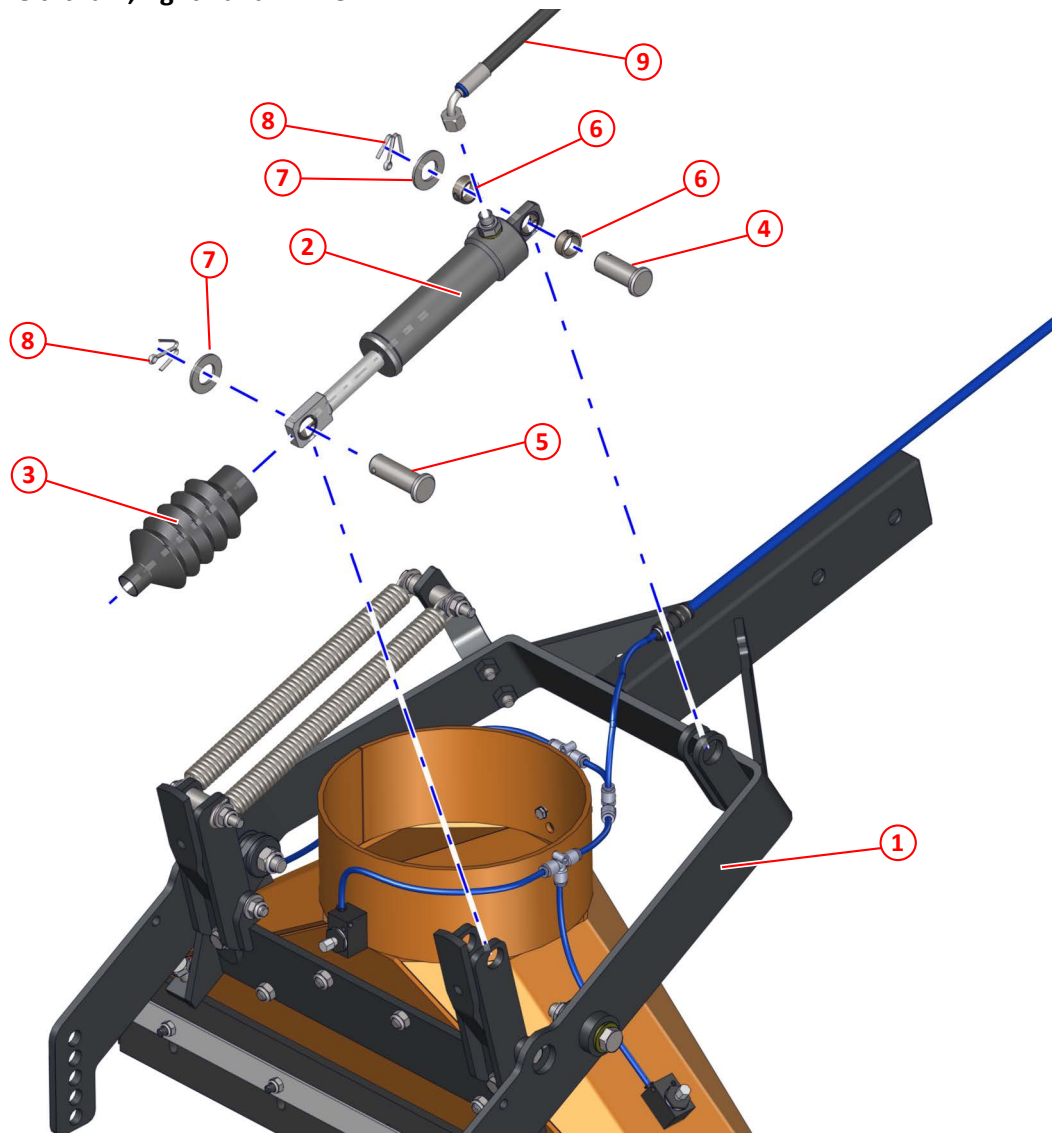


Figure 68: Suction nozzle tilt ram, right hand - MYC

Item	Part No	Qty	Description	
①	SCA047129	1	Suction nozzle frame, right hand	114
②	SCA041954	1	Suction nozzle lift ram	
③	SCA014473	1	Bellows, ram	
④	SCA046750	1	Clevis pin 20 DIA x 50 long	
⑤	SCA046749	1	Clevis pin 20 DIA x 60 long	
⑥	SCA024682	2	BUSH 25 X 20 X 10	
⑦	SCA011102	2	Washer M20	
⑧	SCA011122	2	Split pin 3/16" x 1 1/2"	
⑨	SCA001371	1	Hose 1/4" X 1225 (ST/90)	

Suction nozzle tilt return springs, right hand - MYC

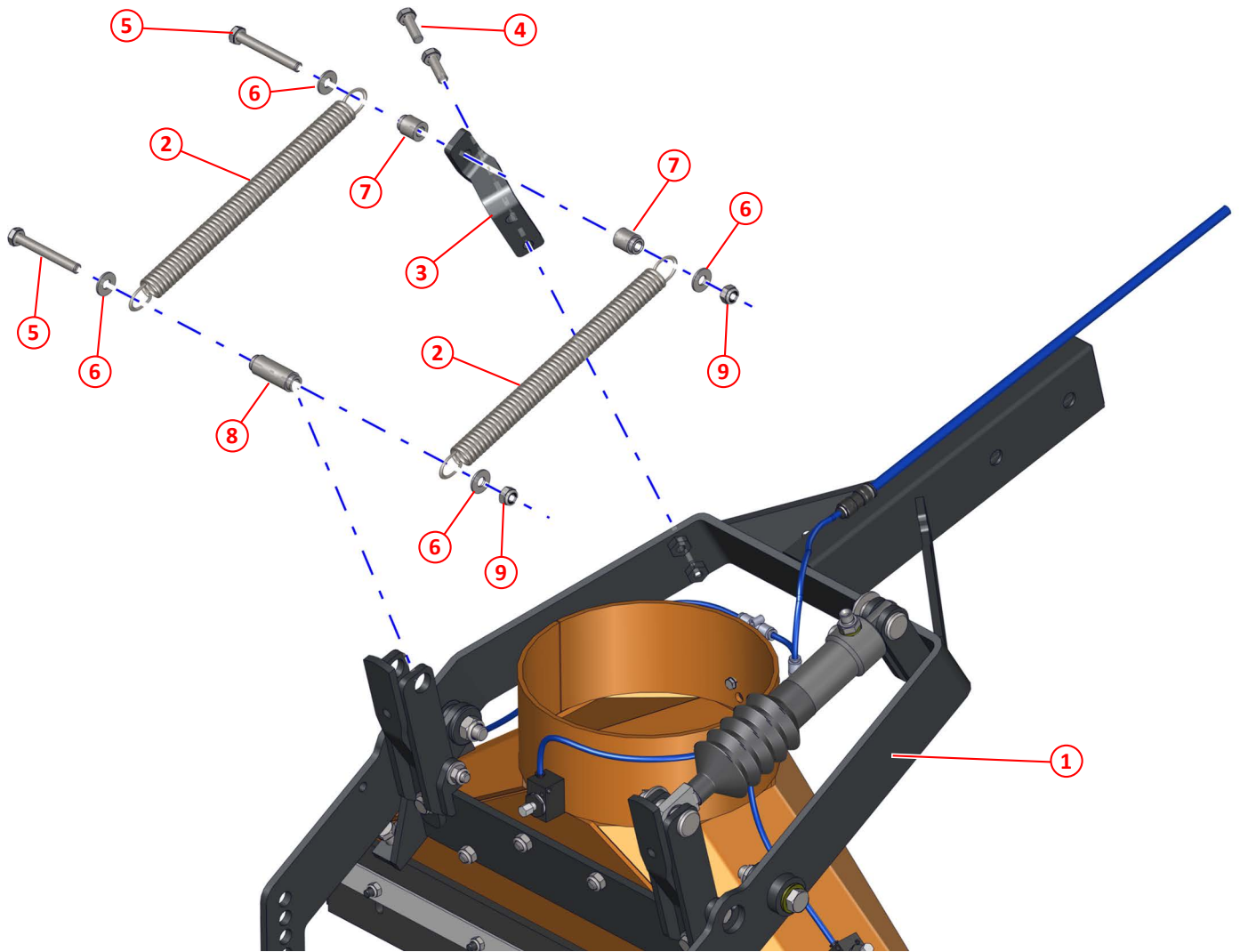


Figure 69: Suction nozzle tilt return spring, right hand - MYC

Item	Part No	Qty	Description	
①	SCA047129	1	Suction nozzle frame, right hand	114
②	SCA010017	2	Spring 8" long	
③	SCA047127	1	Spring bracket, right hand suction nozzle	
④	SCA011032	2	Setscrew HT M10 x 30	
⑤	SCA011038	2	Bolt HT M10 x 80	
⑥	SCA011094	4	Washer M10	
⑦	SCA047135	2	Spring boss 10.5 x 23.5 stepped	
⑧	SCA047136	1	Spring boss 10.5 x 55 double stepped	
⑨	SCA011075	2	Nyloc nut M10	

Suction nozzle frame, right hand - MYC

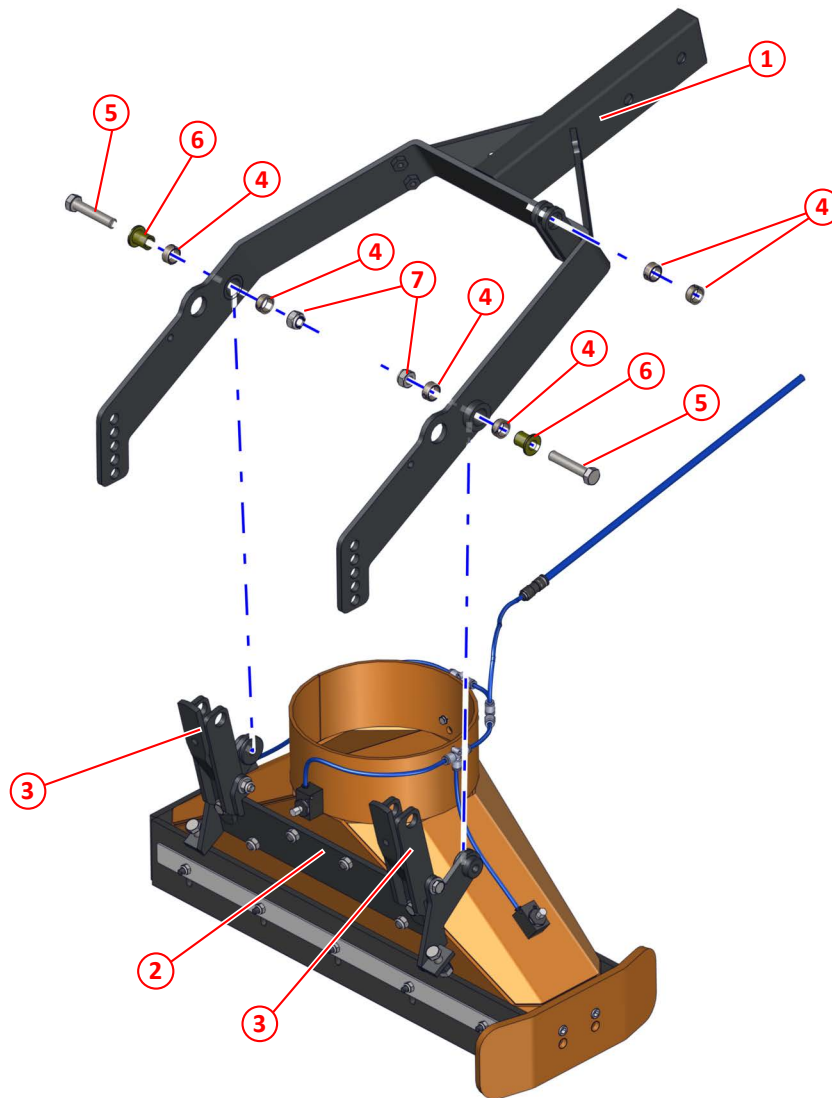


Figure 70: Suction nozzle frame, right hand - MYC

Item	Part No	Qty	Description	
①	SCA047129	1	Suction nozzle frame, right hand	
②	SCA047114	1	Nozzle pivot	102
③	SCA047116	2	Mounting bracket, spring/ram	102
④	SCA024682	6	Bush 25 x 20 x 10	
⑤	SCA000351	2	Setscrew M14 x 70	
⑥	SCA021416	2	Sleeve	
⑦	SCA011127	2	Nyloc nut M14	

Suction nozzle pivot, right hand - MYC

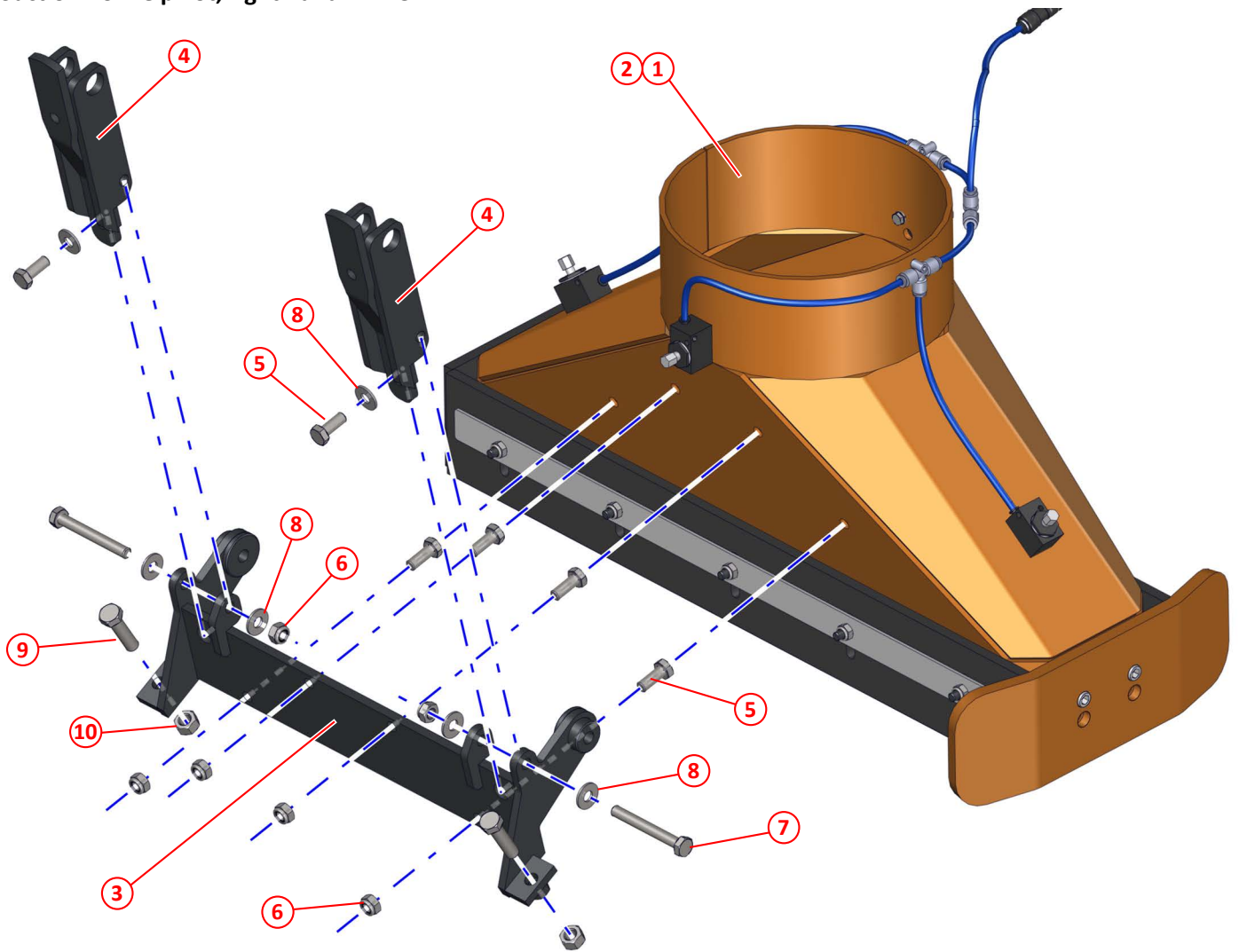


Figure 71: Suction nozzle pivot, right hand - MYC

Item	Part No	Qty	Description	
①	SCA047107	1	Suction nozzle	104
②	SCA047988	1	Suction nozzle, PU lined	104
③	SCA047114	1	Nozzle pivot	
④	SCA047116	2	Mounting bracket, spring/ram	
⑤	SCA011031	6	Setscrew HT M10 x 25	
⑥	SCA011075	6	Nyloc nut M10	
⑦	SCA011038	2	Bolt HT M10 x 80	
⑧	SCA011094	6	Washer M10	
⑨	SCA011054	2	Setscrew HT M12 x 45	
⑩	SCA011076	2	Full nut M12	

Suction nozzle water spray jets, right hand - MYC

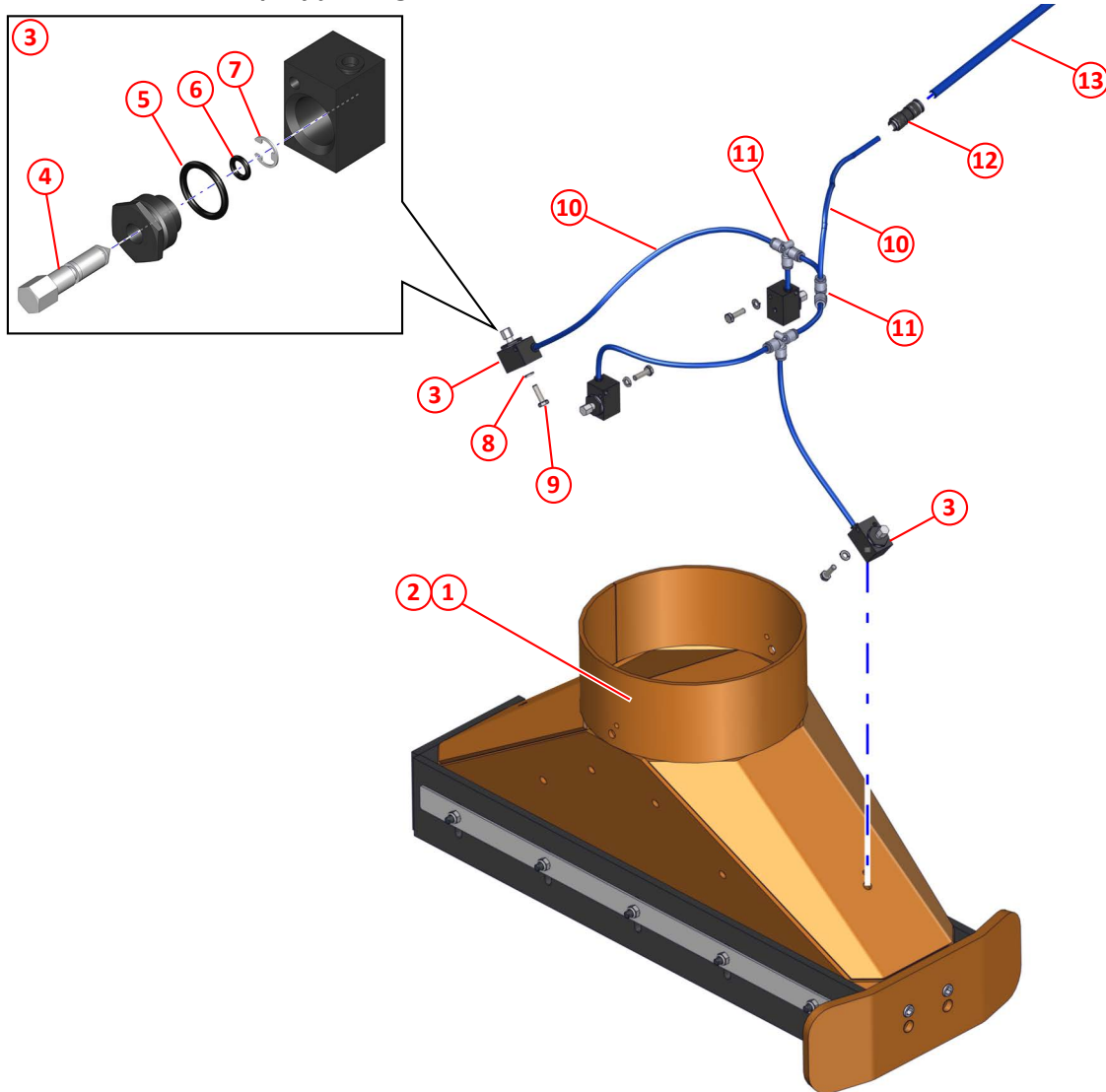


Figure 72: Suction nozzle water spray jets, right hand - MYC

Item	Part No	Qty	Description	
①	SCA047107	1	Suction nozzle	104
②	SCA047988	1	Suction nozzle, PU lined	104
③	SCA034342	4	LP water nozzle, complete	
④	SCA013366	1	Nozzle valve	
⑤	SCA013525	1	O ring 18.5 ID x 2.5 DIA section	
⑥	SCA013783	1	O ring 8 OD x 1.6 section	
⑦	SCA013784	1	Retaining clip 6mm stainless	
⑧	SCA011091	4	Spring washer M6	
⑨	SCA011067	4	Setscrew HT M6 x 20	
⑩	SCA035733	6	6mm OD blue flexible nylon tubing	
⑪	SCA024647	3	6mm tee grey	
⑫	SCA041029	1	10mm to 6mm straight push in adapter	
⑬	SCA041031	1	10mm OD blue flexible nylon tubing	

Suction nozzle, flaps and skid plate, right hand - MYC

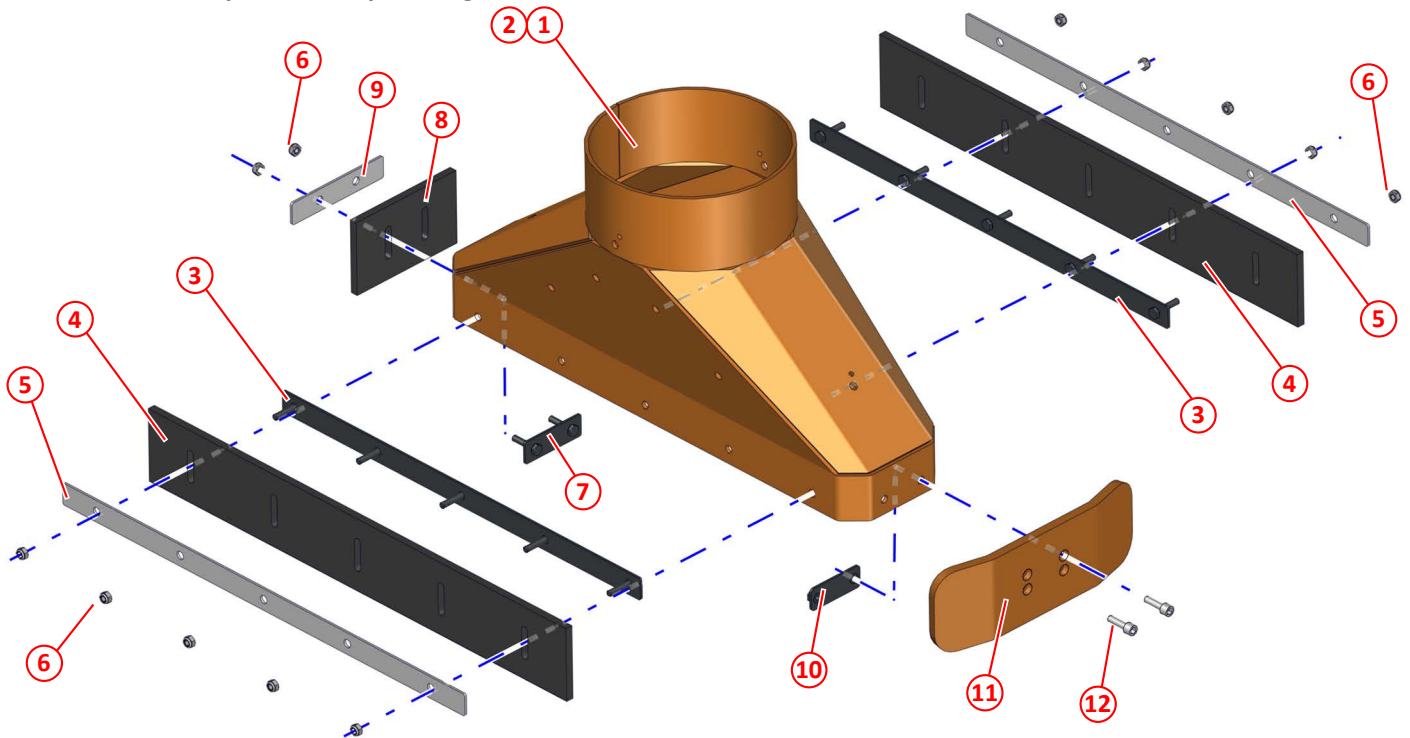


Figure 73: Suction nozzle, flaps and skid plate, right hand - MYC

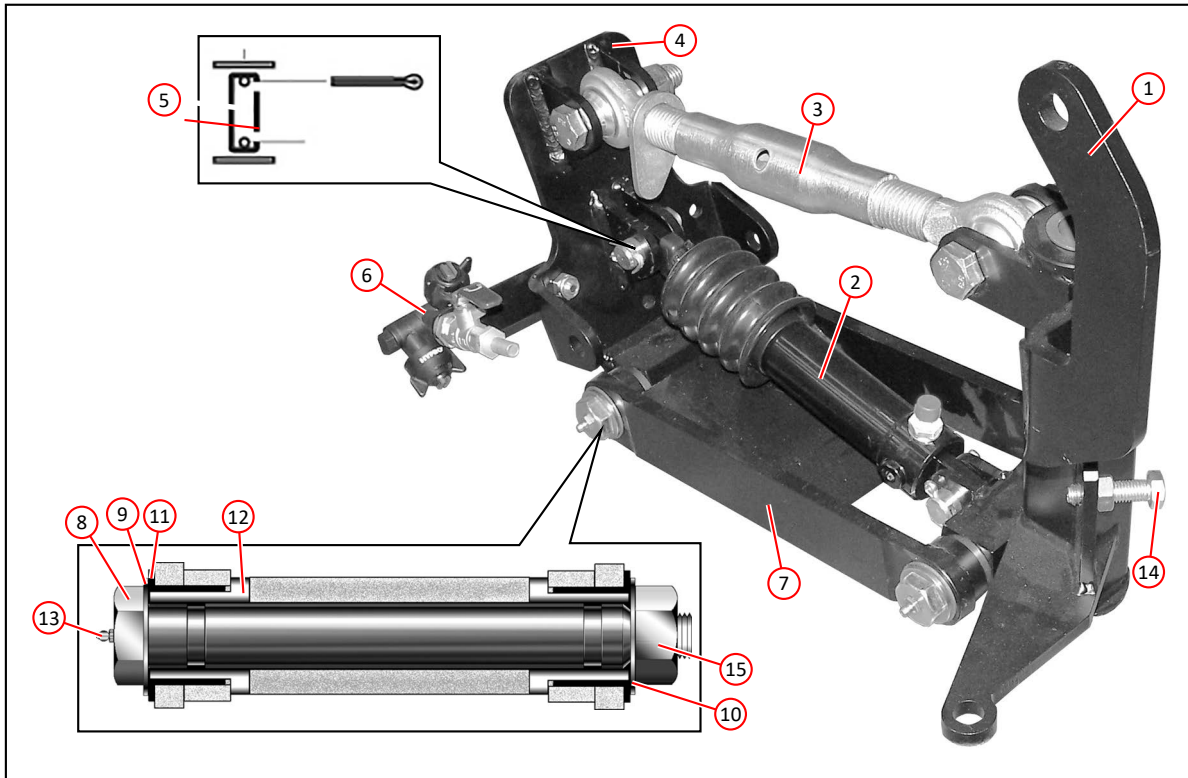
Item	Part No	Qty	Description
①	SCA047107	1	Suction nozzle
②	SCA047988	1	Suction nozzle, PU lined
③	SCA047110	2	Flap clamp, long
④	SCA047108	2	Flap, long
⑤	SCA047112	2	Flap clamp strip, long
⑥	SCA011073	12	Nyloc nut M8
⑦	SCA047113	1	Flap clamp, short
⑧	SCA047109	1	Flap, short
⑨	SCA047111	1	Flap clamp strip, short
⑩	SCA047323	1	Skid plate clamp strip
⑪	SCA047115	1	Skid plate
⑫	SCA000567	2	Socket cap head screw M8 x 1.25 x 30, 8.8, stainless steel

Item	Part Number	Quantity	Description
Side Brush Lift Arrangement			
1	023124	1	. Kingpost, RH
NI	023120	1	. Kingpost, LH
2	024539	1	. . Ram, hydraulic (raise/lower) Page 188
3	013011	1	. . Link, top (turnbuckle)
	011140	2	. . . Bolt, M18 x 90mm
	011138	2	. . . Washer, M18
	011139	2	. . . Nut, M18, Nyloc
4	023121	1	. . Plate, Swivel
5	010067	2	. . . Pin, Ram Pivot, Ø20mm x 50mm
	011103	2	. . . . Washer, M20
	011122	2	. . . Pin, split, cotter, $\frac{3}{16}$ " x $1\frac{1}{2}$ "
6		1	. . Brush spray nozzle assembly Page 158
7	014801	1	. . Link, lower
8	014796 *	2	. . . Bolt, pivot, M16 (special with greasing point)
9	014798 *	2	. . . Washer, 24 x 40 x 3mm
10	014797 *	2	. . . Washer, 17 x 40 x 3mm
	011060 *	2	. . . Nut, M16, Nyloc
11	013012 *	4	. . . Bush, plastic
12	014799 *	4	. . . Sleeve, spacer
13	010903	2	. . . Greasing point, straight, $\frac{1}{8}$ " BSP
14	011055	1	. . . Bolt, M12 x 60mm
15	011076	1	. . . Nut, M12
16	010749	1	. . . Motor, hydraulic Page 186
17	023121	1	. . . Plate, motor swivel
	011075	2	. . . . Nut, M10, Nyloc
18	014067	1	. . . . Hub, side brush, 3 holes
NI	040058 **	1	. . . . . Spacer, brush hub
	040197	1	. . . . . Washer, safety, Schnorr
	011012	1	. . . . . Screw, M8 x 30mm
19	023473	1	. . . . . Side brush, ø400mm, 3 stud (steel) Page 138
NI	020921	1	. . . . . Side brush. ø400mm, 3 stud (weed ripping) Page 138
NI	025744	1	. . . . . Side brush, ø400mm, 3 stud (poly) Page 138

Notes:-

* These items comprise the lower link bush kit 024611

** This part is required if the drive motor is manufactured by Eaton, please contact Scarab Parts Department.

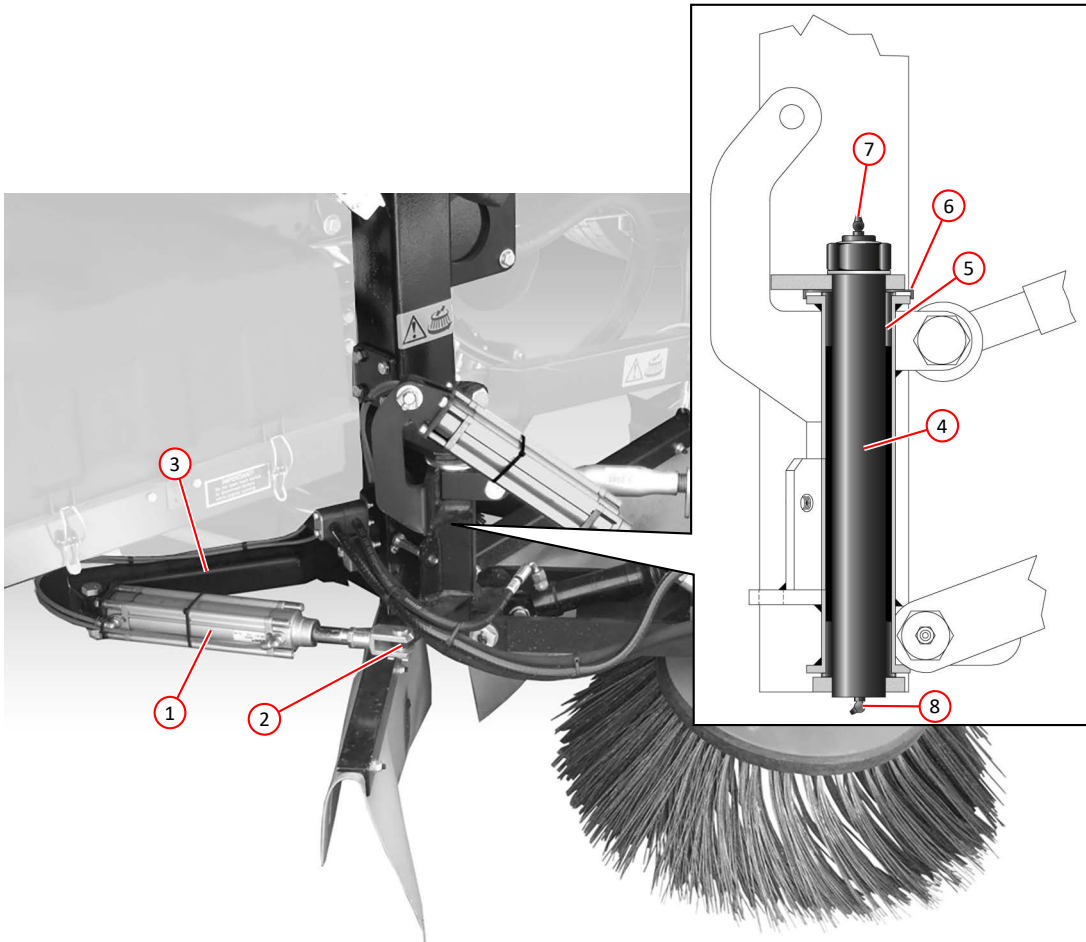


i Shown with optional side brush pressure assembly.

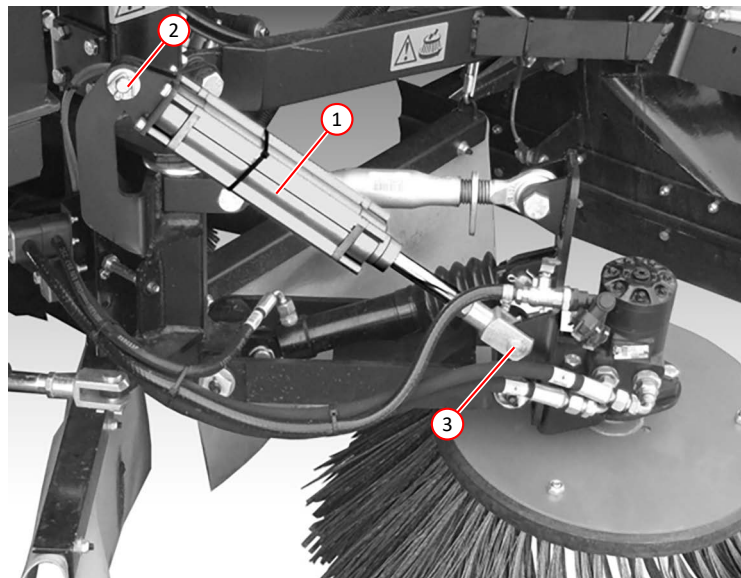
SIDE BRUSH LIFT ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Side Brush Swing Out			
1	020298	1	Cylinder, pneumatic, swing in/out, 50mm x 160mm Page 204
	011260	1	. Bolt, M16 x 70mm
	011060	1	. Nut, M16, Nyloc
2	022673	1	. Pin, clevis
	022674	1	. Pin, clevis, retainer
3	021520	1	Bracket, swing out cylinder, RH
NI	021519	1	Bracket, swing out cylinder, LH
	011407	2	. Bolt, M10 x 120mm
	011077	2	. Nut, M10, Nyloc
4	013007	1	. Kingpin
	011102	1	. . Washer, M20
	011082	1	. . Nut, M20 Nyloc
5	013012	2	. . Bush, plastic
6	013013	1	. . Cap
7	010903	3	. . Greasing point, straight, $\frac{1}{8}$ " BSP
8	010901	1	. . Greasing point, 45°, $\frac{1}{8}$ " BSP

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Side Brush Pressure Arrangement - (option)			
1	020298	1	Cylinder, pneumatic, brush pressure, 50mm x 160mm Page 204
2	023123	1	. Pin, cylinder retaining
	011135	2	. Washer, M16
	011122	2	. Pin, split, $\phi \frac{3}{16}$ x $1\frac{1}{2}$ "
3	022673	1	. Pin, clevis



SIDE BRUSH SWING OUT ARRANGEMENT

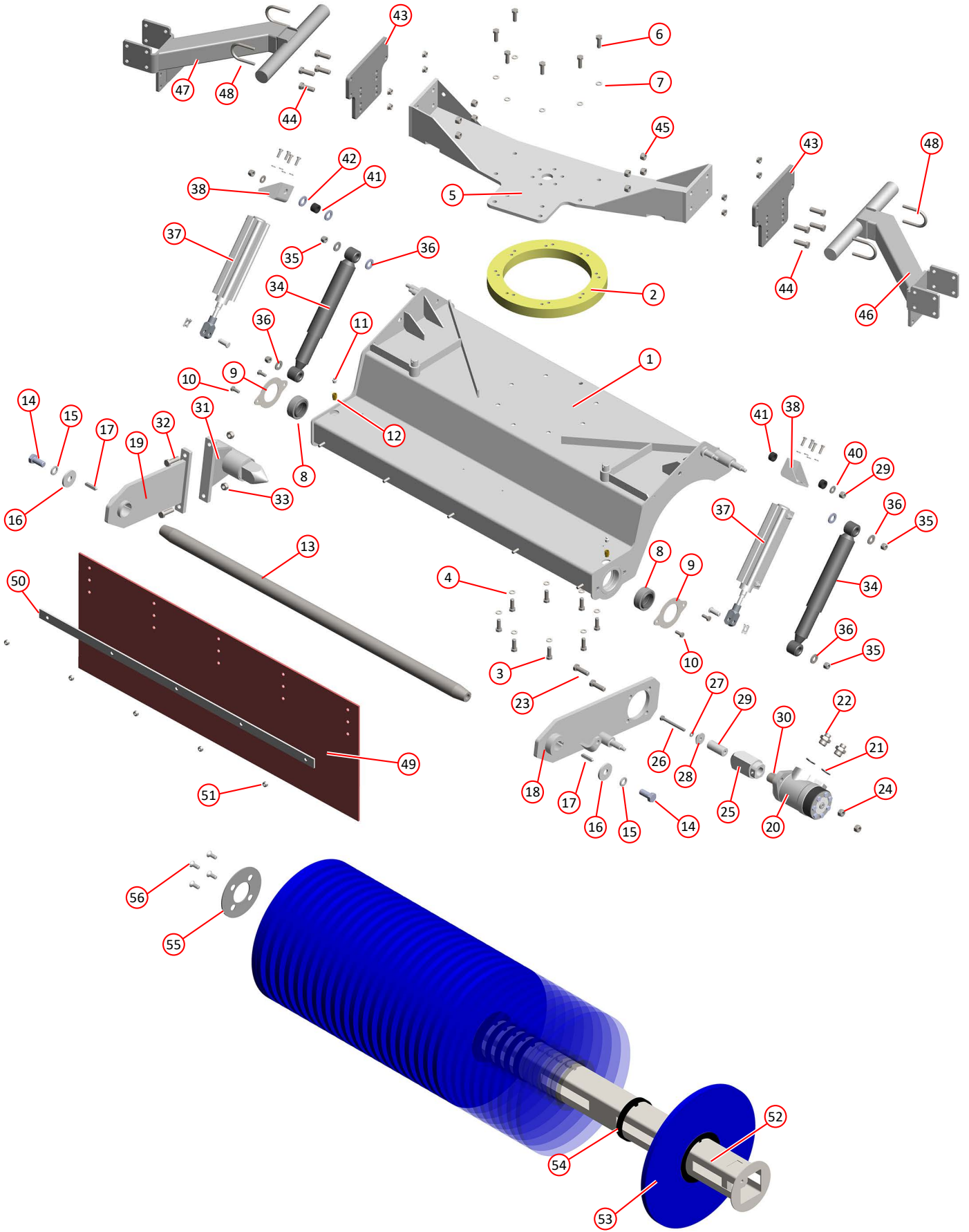


SIDE BRUSH PRESSURE ASSEMBLY

Item	Part Number	Quantity	Description
Wide Sweep Assembly			
1	036216	1	Cover, wide sweep, standard Page 124
2	020919	1	Ring, adaptor, fixed slew
3	011031	8	Setscrew, M10 x 25mm
4	011095	8	Spring washer, M10
5	024155	1	Support, wide sweep
6	011031	6	Setscrew, M10 x 25mm
7	011095	6	Spring washer, M10
8	036789	2	Spherical bearing, wide sweep pivot
9	037172	2	Bearing retaining plate
10	011010	4	Setscrew, M8 x 20mm
11	010903	2	Greasing point, straight, $\frac{1}{8}$ " BSP
12	040301	2	Extension, greasing point, $\frac{1}{8}$ " BSP
13	023080	1	Shaft, tapered, wide sweep pivot
14	011141	2	Setscrew, M16 x 35mm
15	011142	2	Washer
16	013439	2	Washer, special, 50 x 16.5 x 5
17	013292	2	Key
18	023077	1	Plate, motor, LH
19	023078	1	Plate, bearing housing, RH
20	010566	1	Motor, hydraulic, OMP 100 Page 186
21	011154	2	Dowty seal, $\frac{1}{2}$ " BSP
22	011167	2	Adaptor, $\frac{1}{2}$ x $\frac{3}{8}$ "
23	011053	2	Setscrew, M12 x 35mm
24	011077	2	Nut, M12, Nyloc
25	024535	1	Shaft, drive
26	011012	1	Setscrew, M8 x 30mm
27	011093	1	Spring washer, M8
28	024538	1	Washer, cone, special
29	038106	1	Spacer
30	011515	1	Key
NI	040058 *	1	Spacer
31	024224	1	Bearing assembly, wide sweep Page 124
32	011053	2	Setscrew, M12 x 35mm
33	011077	2	Nut, M12, Nyloc
34	014063	2	Shock Absorber
35	011075	4	Nut, M10, Nyloc
36	011096	6	Washer, M12
37	020602	2	Cylinder, pneumatic, wide sweep raise/lower Page 202
38	030532	2	Pivot Bracket
39	011075	2	Nut, M10, Nyloc
40	011094	2	Washer, M10
41	011000	3	Spacer, rubber, $\frac{5}{8}$ " bore x $\frac{1}{2}$ " long
42	011096	2	Washer, M12
43	034336	2	Drop Plate
44	011053	8	Setscrew, M12 x 35mm
45	011077	8	Nut, M12, Nyloc
46	034334	1	Wide sweep Adjuster Bar LH
47	034335	1	Wide sweep Adjuster Bar RH
48	023148	4	U Clamp
49	022516	1	Skirt, wide sweep Page 138
50	022517	1	Clamp strip, wide sweep skirt
51	011073	1	Nut, M8, Nyloc
52	013646	1	Brush core, wide sweep
53	023474	31	Brush element, \varnothing 400mm, poly Page 138
54	023472	29	Spacer, brush core
55	013649	1	End Cap, brush core
56	011417	4	Screw, socket countersunk, $\frac{3}{8}$ " UNC x 1"

Notes:-

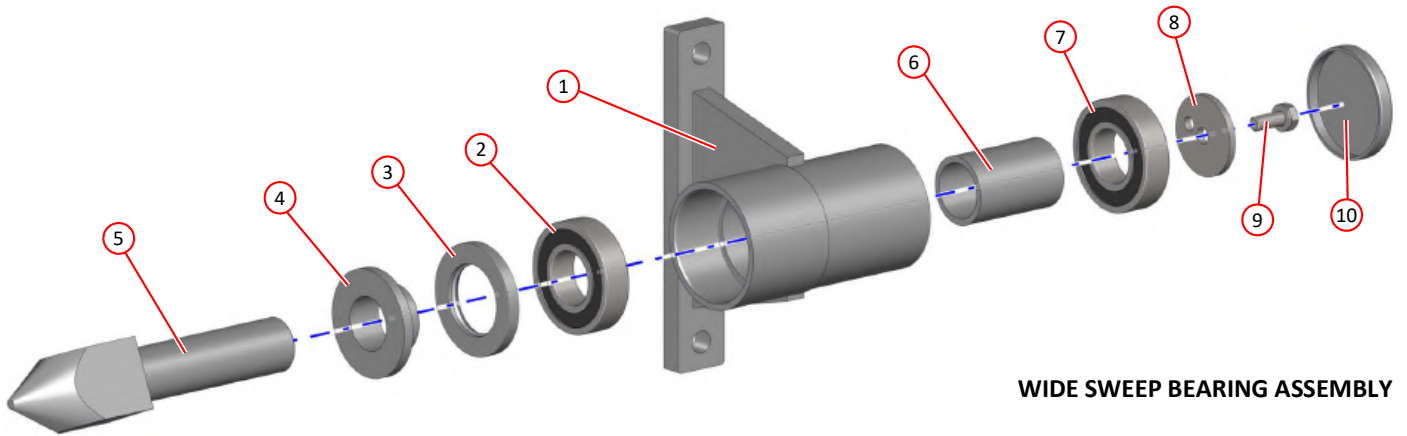
* This part is required if the drive motor is manufactured by Eaton, please contact Scarab Parts Department.



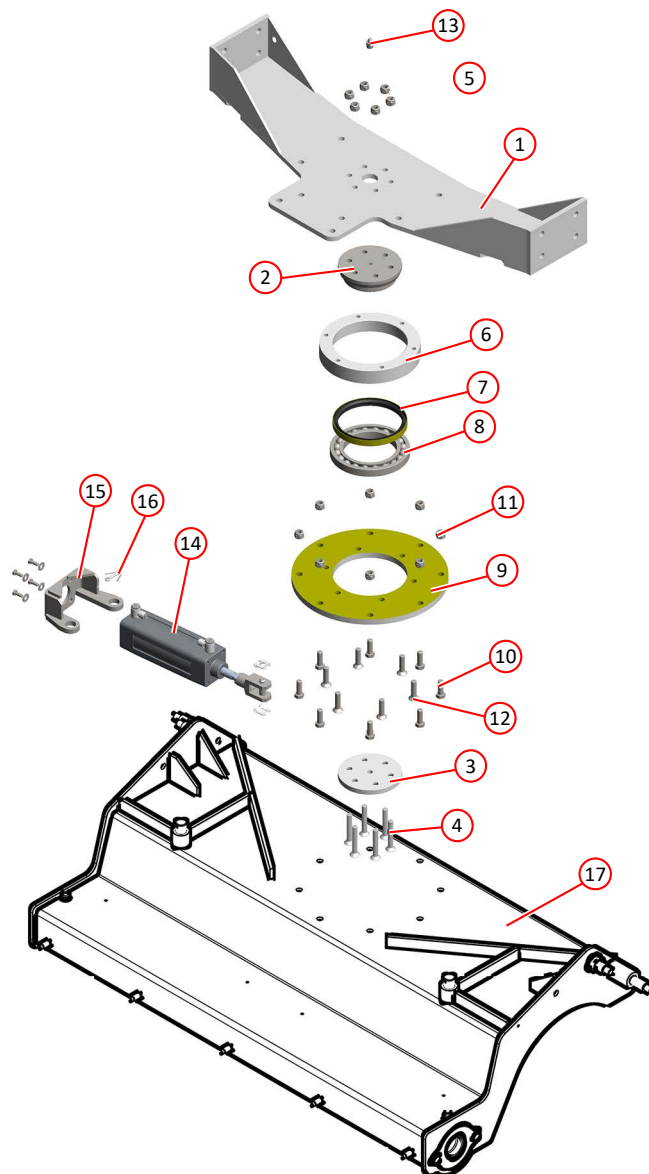
WIDE SWEEP ASSEMBLY

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
			Wide Sweep Bearing Assembly
	024224	1	Bearing assembly complete Page 122
1	024219	1	Housing, bearing assembly
2	010578	1	Bearing, ball race
3	024220	1	Oil seal
4	024221	1	Spacer
5	024223	1	Shaft
6	024531	1	Spacer
7	010578	1	Bearing, ball 6206
8	010004	1	Washer, special 45mm OD x 9mm ID x 4mm thick
9	011010	1	Setscrew, M8 x 20mm
10	024222	1	Cap, bearing

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
			Wide Sweep Slewing Arrangement
1	024155	1	Support, wide sweep
2	024150	1	Spigot
3	024151	1	Plate, clamp
4	000178	6	Screw, socket countersunk, M10 x 65mm
5	011075	6	Nut, M10, Nyloc
6	024152	1	Housing, bearing
7	024148	1	Oil seal
8	024149	1	Bearing
9	024154	1	Clamp ring
10	011032	8	. . . Setscrew, M10 x 30mm
11	011075	8	Nut, M10, Nyloc
12	000167	6	Screw, socket countersunk, M10 x 40mm
13	010901	1	Greasing point, 135°, $\frac{1}{8}$ " BSP
14	020767	1	Cylinder, pneumatic, wide sweep slew Page 202
15	033620	1	Pivot bracket
16	011122	1	Split pin, $\frac{3}{16}$ " x $1\frac{1}{2}$ "
17	036216	1	Cover, wide sweep, standard Page 122



WIDE SWEEP BEARING ASSEMBLY

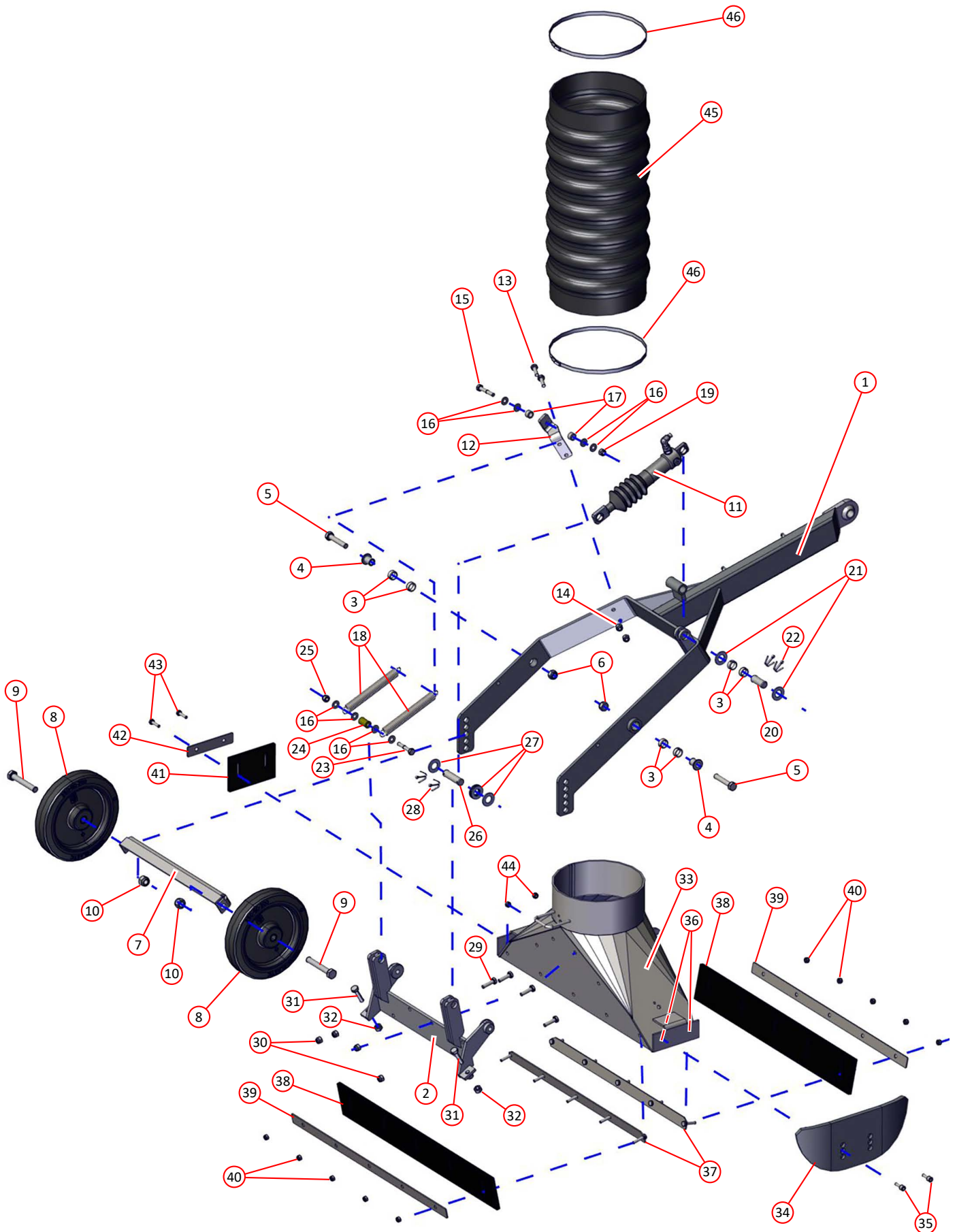


WIDE SWEEP SLEWING ARRANGEMENT

Item	Part Number	Quantity	Description
Hydraulic Tilting Suction Nozzle Assembly			
1	023606	1	Frame, right hand
NI	023605	1	Frame, left hand
NI	010606	3	Nozzle lift carabiner
NI	010525	AR	Nozzle lift chain
2	020328	1	Nozzle tilt pivot
3	024682	6	Bush, hardened
4	021416	2	Sleeve
5	000351	2	Bolt, M14 x 70mm
6	011127	2	Nut, M14, Nyloc
7	031833	1	Axle
8	031831	2	Wheel, ø250mm complete with spacer
9	011133	2	Bolt, M16 x 100mm
10	011060	2	Nut, M16, Nyloc
11	041955	1	Nozzle tilt ram assembly Page 188
12	025100	1	Spring bracket, right hand
NI	025099	1	Sprint bracket, left hand
13	011032	1	Bolt, M10 x 30mm
14	011075	1	Nut, M10, Nyloc
15	000040	1	Bolt, M10, Nyloc
16	011094	8	Washer, M10
17	011724	2	Spacer, 20 x 12.5 x 11mm
18	010017	2	Spring
19	011075	1	Nut, M10, Nyloc
20	010067	1	Pin, 20 x 50mm
21	011102	2	Washer, M20
22	011122	2	Split pin, $\frac{3}{16}$ " X $1\frac{5}{32}$ "
23	000040	1	Bolt, M10 x 55mm
24	013363	1	Spacer sleeve
25	011075	1	Nut, M10, Nyloc
26	014038	1	Pin, 20 x 70mm
27	011102	6	Washer, M20
28	011122	2	Split pin, $\frac{3}{16}$ " X $1\frac{5}{32}$ "
29	011031	4	Setscrew, M10 x 25mm
30	011075	4	Nut, M10, Nyloc
31	011054	2	Setscrew, M12 x 45mm
32	011076	4	Nut, M12
33	023604	1	Suction nozzle box
NI	034720	1	Suction nozzle box, PU lined
34	013277	1	Skid plate
35	011021	2	Socket cap screw, M8 x 25mm
36	011073	2	Nut, M8, Nyloc
37	013362	2	Flap bolt retainer
38	013023 *	2	Flap, front/rear
39	013025	2	Flap clamp plate, front/rear
40	011073	10	Nut, M8, Nyloc
41	013283 *	1	Flap, side
42	013024	1	Flap clamp plate, side
43	011012	2	Setscrew, M8 x 30mm
44	011073	2	Nut, M8, Nyloc
45	013028	1	Suction nozzle hose Page 136
46	012933	2	Hose clamp, worm drive, 235-267mm

Notes:-

* For a FULL set of suction nozzle rubber flaps order part number 024550



i Right hand tilting suction nozzle assembly shown, left hand similar.

Frame tow-point ball ends are welded to the frame but can be procured as replacements if required. Please contact the Scarab Parts Department for details.

HYDRAULIC TILTING SUCTION NOZZLE ASSEMBLY

Suction spigot, deflector tube and suction hose arrangement - MYC

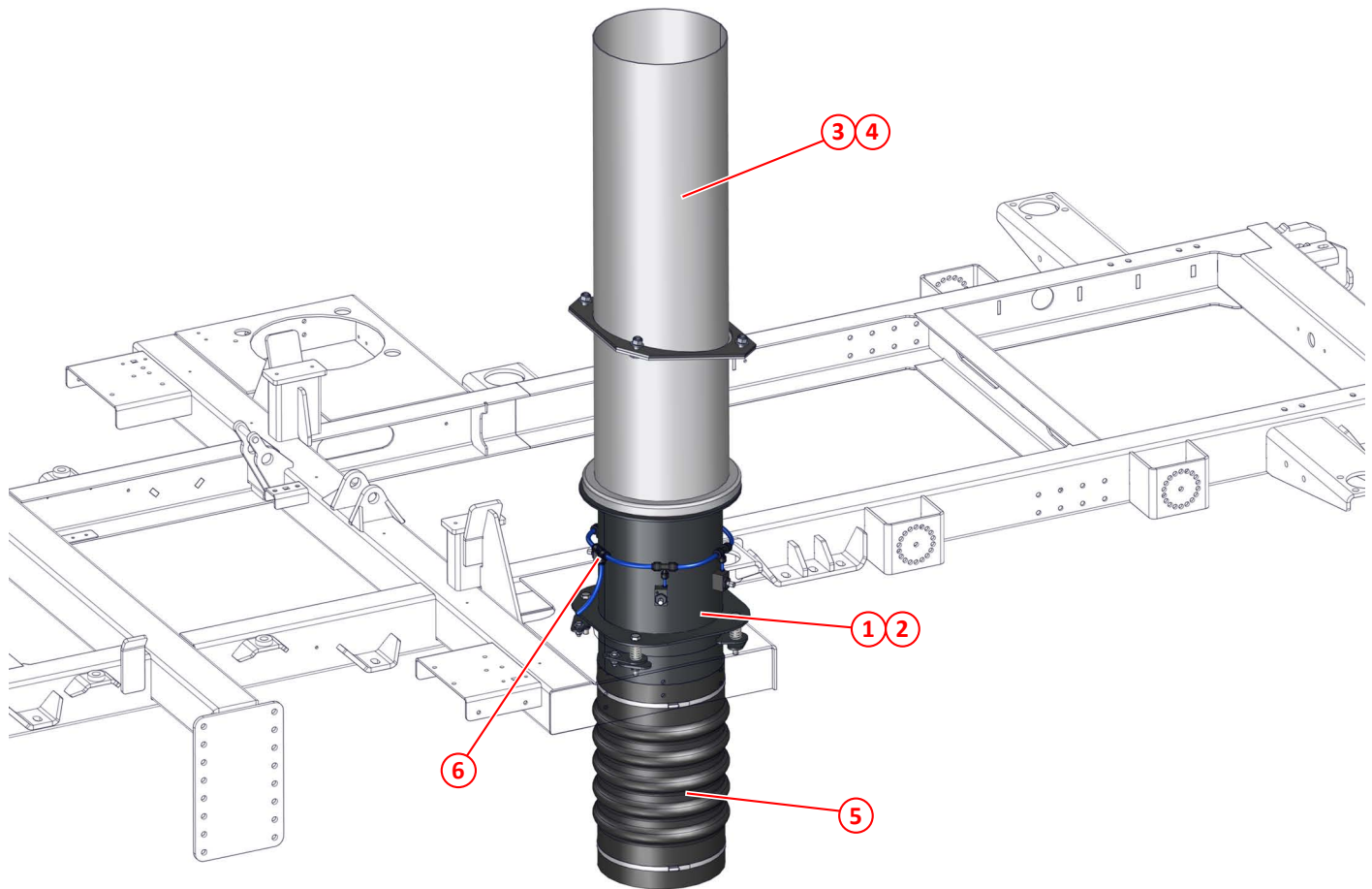


Figure 74: Suction spigot, deflector tube and suction hose arrangement - MYC

Item	Part No	Qty	Description	
①	SCA043043	1	Suction spigot	129
②	SCA051136	1	Suction spigot, PU lined	129
③	SCA044603	1	Deflector tube	131
④	SCA051106	1	Deflector tube, PU lined	131
⑤	SCA013028	1	Hose, suction nozzle	96,109
⑥		1	Suction spigot water	

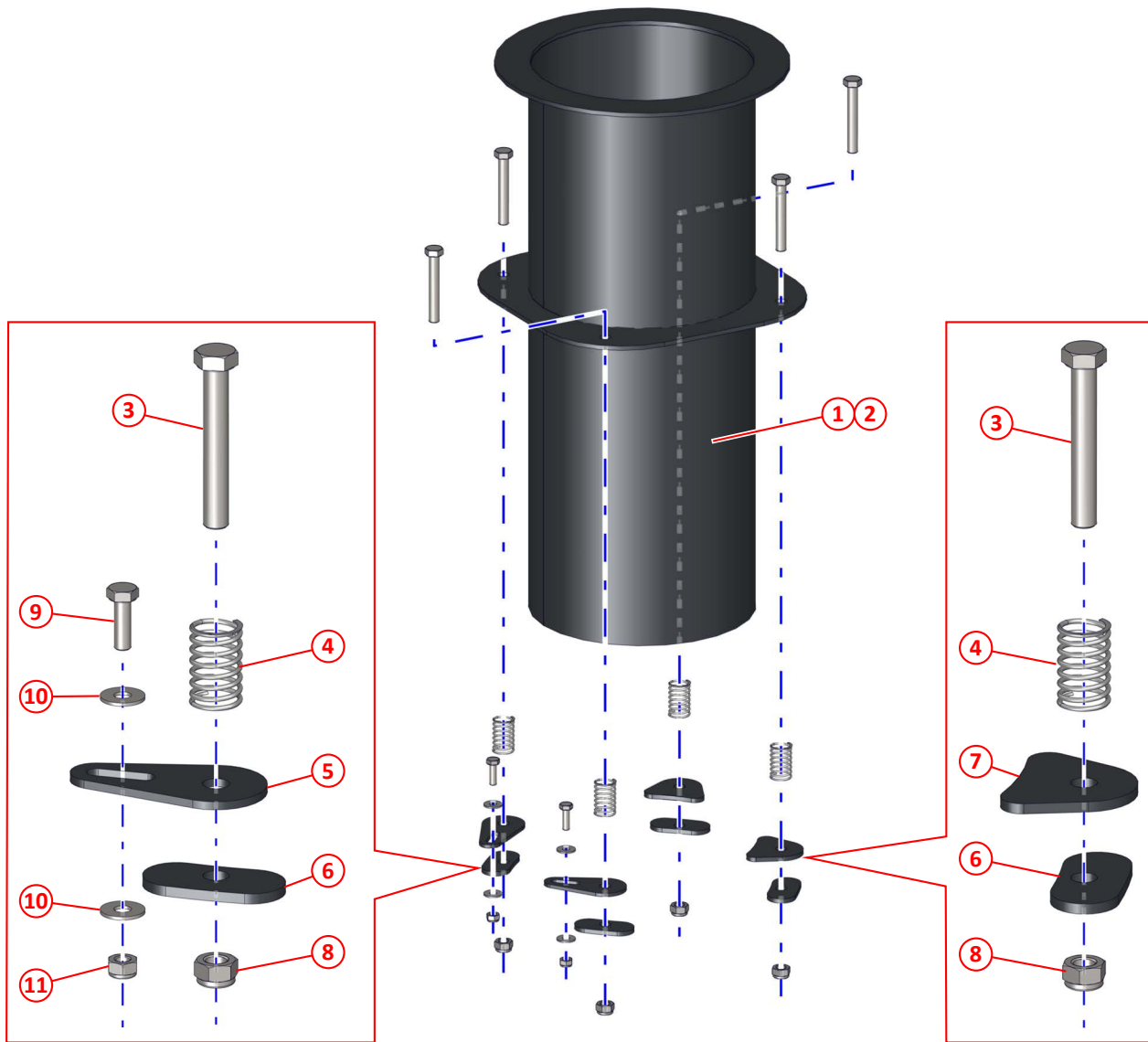


Figure 75: Suction spigot, mountings - MYC

Item	Part No	Qty	Description	
①	SCA043043	1	Suction spigot	128
②	SCA051136	1	Suction spigot, PU lined	128
③	SCA000110	4	Bolt M12 x80	
④	SCA042694	4	Spring	
⑤	SCA043392	2	Suction spigot locking washer	
⑥	SCA039989	4	Washer - suction spigot	
⑦	SCA043044	2	Suction spigot spring seat	
⑧	SCA011077	4	Nyloc nut M12	
⑨	SCA011011	2	Setscrew HT M8 x 25	
⑩	SCA011092	4	Washer M8	
⑪	SCA011073	2	Nyloc nut M8	

Suction path hopper internals - MYC

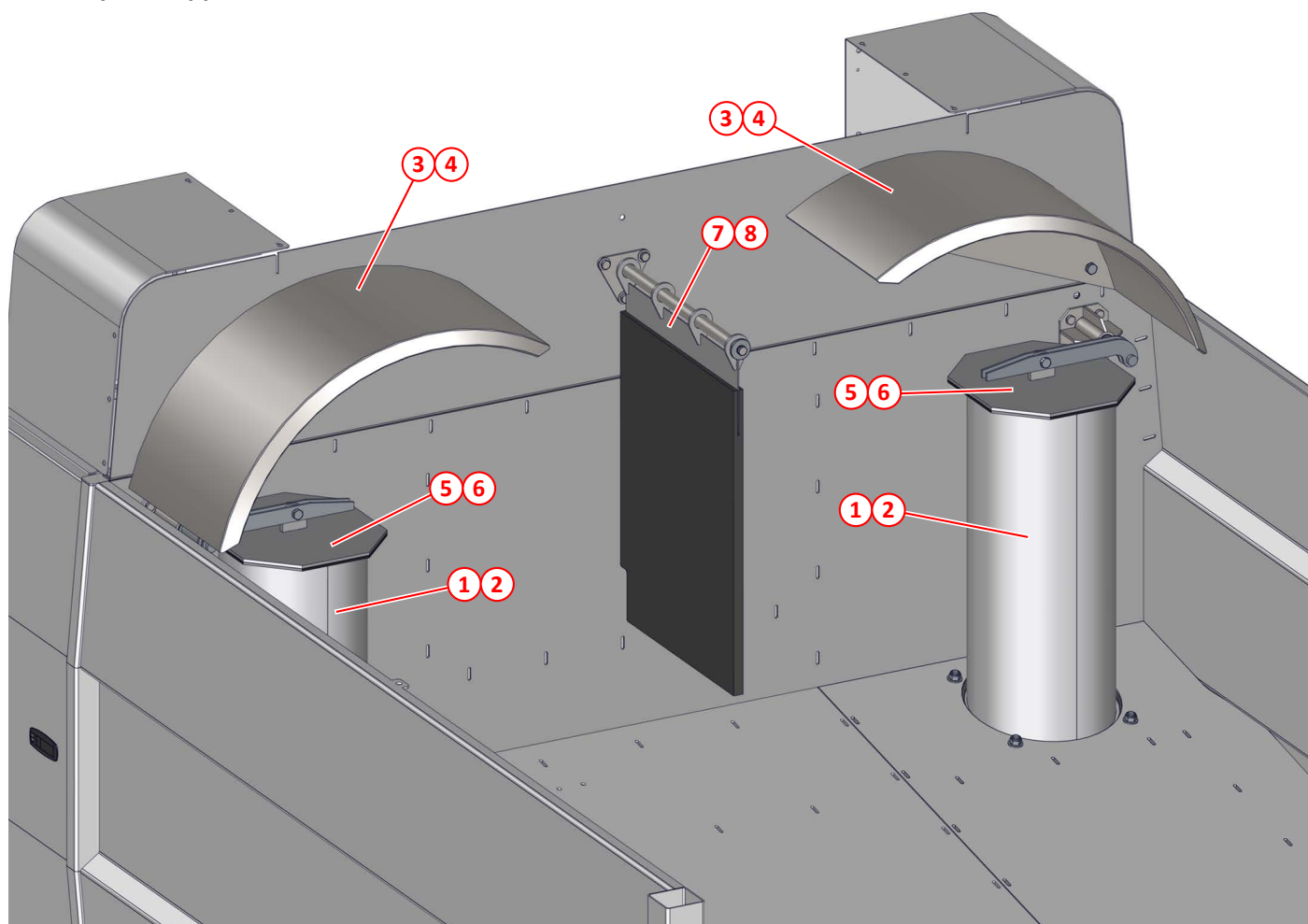


Figure 76: Suction path hopper internals - MYC

Item	Part No	Qty	Description	
①	SCA044603	2	Suction deflector tube	131
②	SCA051106	2	Suction deflector tube, PU lined	131
③	SCA022644	2	Deflector	132
④	SCA050823	2	Deflector, PU lined	132
⑤	SCA021514	2	Flap lid	133
⑥	SCA050717	2	Flap lid, PU lined	134
⑦	SCA031888	1	Deflector flap	135
⑧	SCA050738	1	Deflector flap, PU lined	135

i Please note quantities shown above are for a dual sweep machine.

Suction deflector tube - MYC

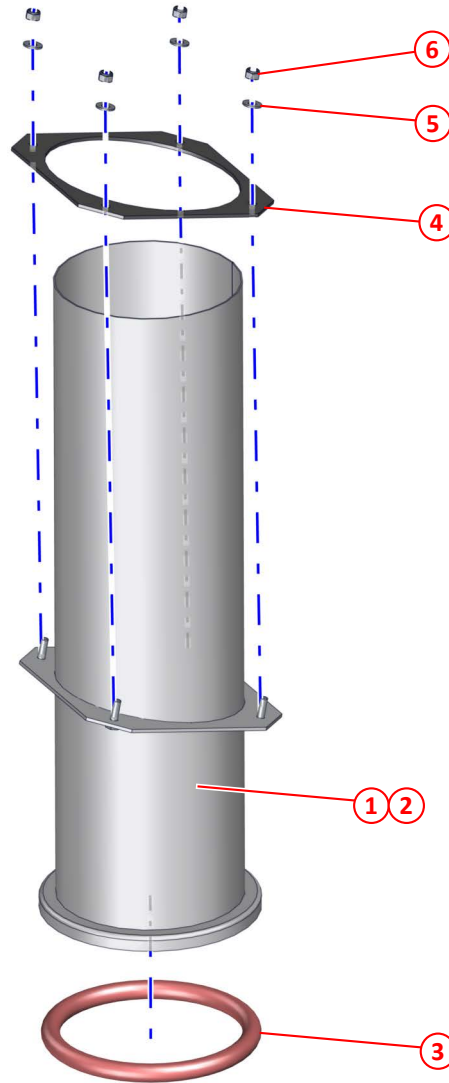


Figure 77: Suction deflector tube - MYC

Item	Part No	Qty	Description	
①	SCA044603	1	Suction deflector tube	130
②	SCA051106	1	Suction deflector tube, PU lined	130
③	SCA039140	1	Suction spigot seal	
④	SCA044674	1	Suction deflector tube gasket	
⑤	SCA000277	4	Washer M12, stainless steel	
⑥	SCA000275	4	Nyloc nut M12, stainless steel	

Deflector - MYC

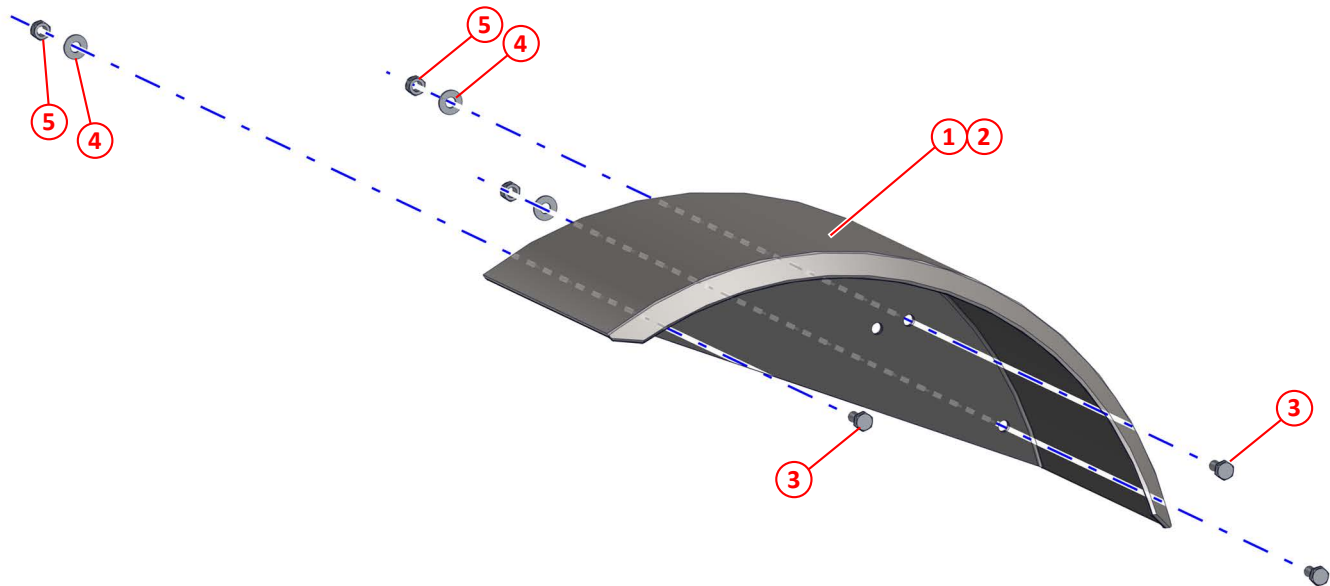


Figure 78: Deflector- MYC

Item	Part No	Qty	Description
①	SCA022644	1	Deflector
②	SCA050823	1	Deflector, PU lined
③	SCA000273	3	Setscrew M12 x 25, stainless steel
④	SCA000277	3	Washer M12, stainless steel
⑤	SCA000275	3	Nyloc nut M12, stainless steel

Flap lid, auto blanking, left hand - MYC

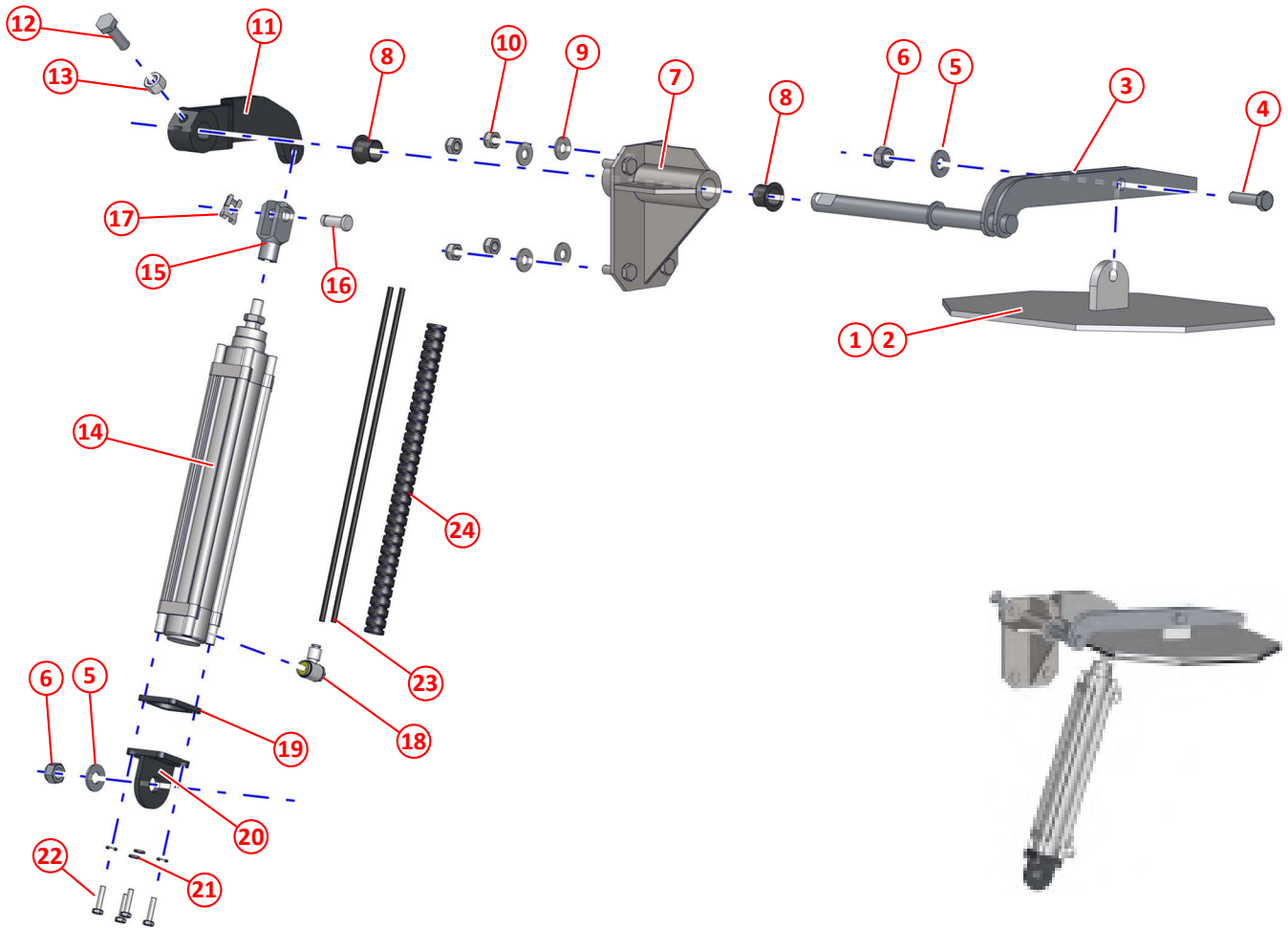


Figure 79: Flap lid, auto blanking, left hand - MYC

Item	Part No	Qty	Description
①	SCA021514	1	Flap lid
②	SCA050717	1	Flap lid, PU lined
③	SCA021517	1	Flap arm, left hand
④	SCA000278	1	Setscrew M12 x 40, stainless steel
⑤	SCA000277	2	Washer M12, stainless steel
⑥	SCA000275	2	Nyloc nut M12, stainless steel
⑦	SCA021164	1	Flap pivot, auto blanking
⑧	SCA013488	2	Poly bush
⑨	SCA011094	4	Washer M10
⑩	SCA011075	4	Nyloc nut M10
⑪	SCA034396	1	Flap arm, left hand
⑫	SCA000276	1	Setscrew M12 x 1.25 x 35, stainless steel
⑬	SCA000279	1	Full nut M12 x 1.25, fine
⑭	SCA021467	1	Pneumatic cylinder 40 x 200
⑮	SCA014469	1	Clevis, air cylinder M12
⑯	SCA023270	1	Clevis pin 12
⑰	SCA023269	1	Safety fastener 12
⑱	SCA021158	1	Pneumatic flow regulator
⑲	SCA045502	1	Spacer - auto blanking cylinder
⑳	SCA014457	1	Cylinder mount, auto blanking
㉑	SCA011091	4	Spring washer M6
㉒	SCA011087	4	Setscrew HT M6 x 25
㉓	SCA014572	2	6mm OD x 1mm WT black air pipe
㉔	SCA004210	1	Flex cable conduit, split 21mm OD

Flap lid, auto blanking, left hand - MYC

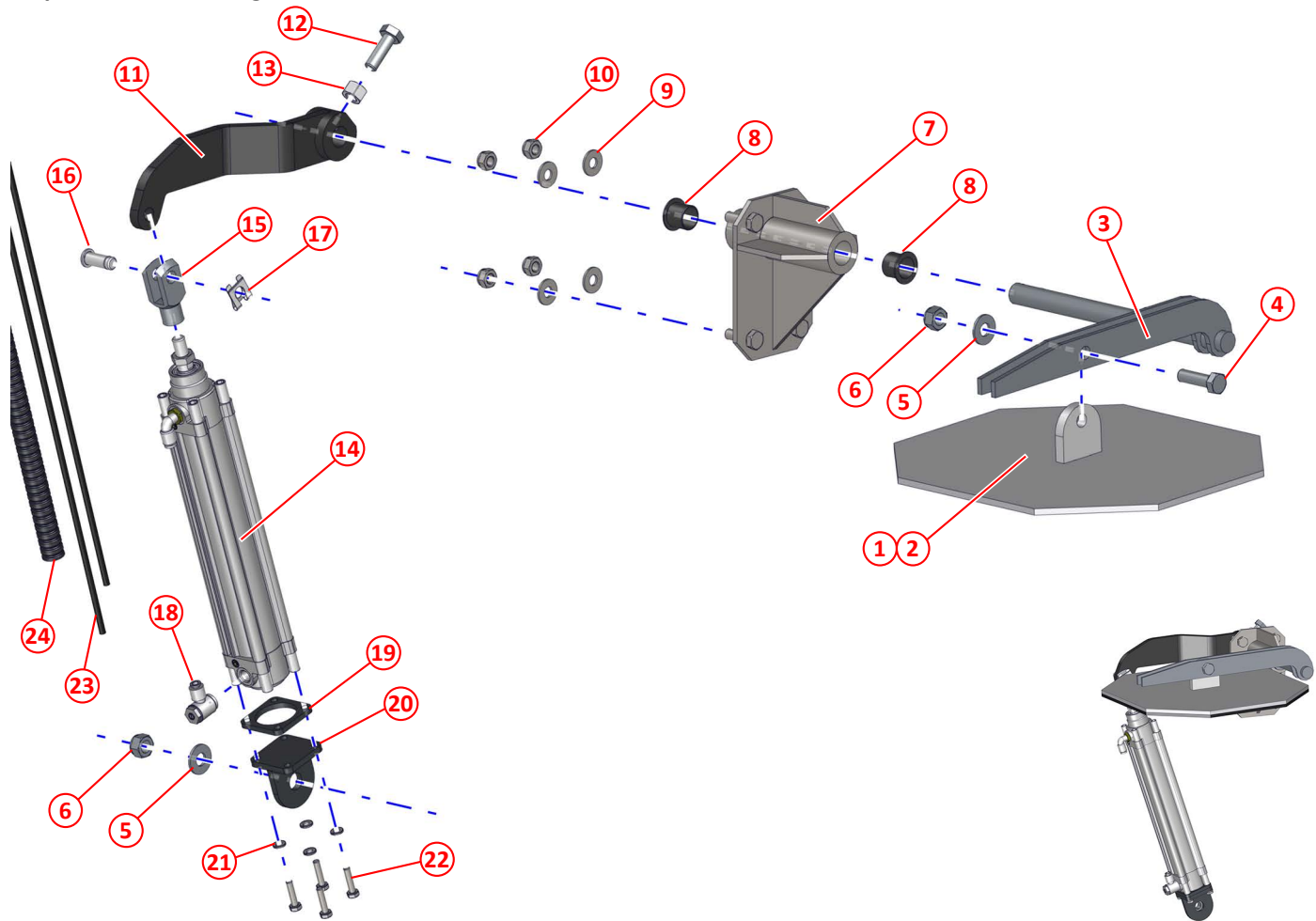


Figure 80: Flap lid, auto blanking - MYC

Item	Part No	Qty	Description
①	SCA021514	1	Flap lid
②	SCA050717	1	Flap lid, PU lined
③	SCA021518	1	Flap arm, right hand
④	SCA000278	1	Setscrew M12 x 40, stainless steel
⑤	SCA000277	2	Washer M12, stainless steel
⑥	SCA000275	2	Nyloc nut M12, stainless steel
⑦	SCA021164	1	Flap pivot, auto blanking
⑧	SCA013488	2	Poly bush
⑨	SCA011094	4	Washer M10
⑩	SCA011075	4	Nyloc nut M10
⑪	SCA034397	1	Flap arm, right hand
⑫	SCA000276	1	Setscrew M12 x 1.25 x 35, stainless steel
⑬	SCA000279	1	Full nut M12 x 1.25, fine
⑭	SCA021467	1	Pneumatic cylinder 40 x 200
⑮	SCA014469	1	Clevis, air cylinder M12
⑯	SCA023270	1	Clevis pin 12
⑰	SCA023269	1	Safety fastener 12
⑱	SCA021158	1	Pneumatic flow regulator
⑲	SCA045502	1	Spacer - auto blanking cylinder
⑳	SCA014457	1	Cylinder mount, auto blanking
㉑	SCA011091	4	Spring washer M6
㉒	SCA011087	4	Setscrew HT M6 x 25
㉓	SCA014572	2	6mm OD x 1mm WT black air pipe
㉔	SCA004210	1	Flex cable conduit, split 21mm OD

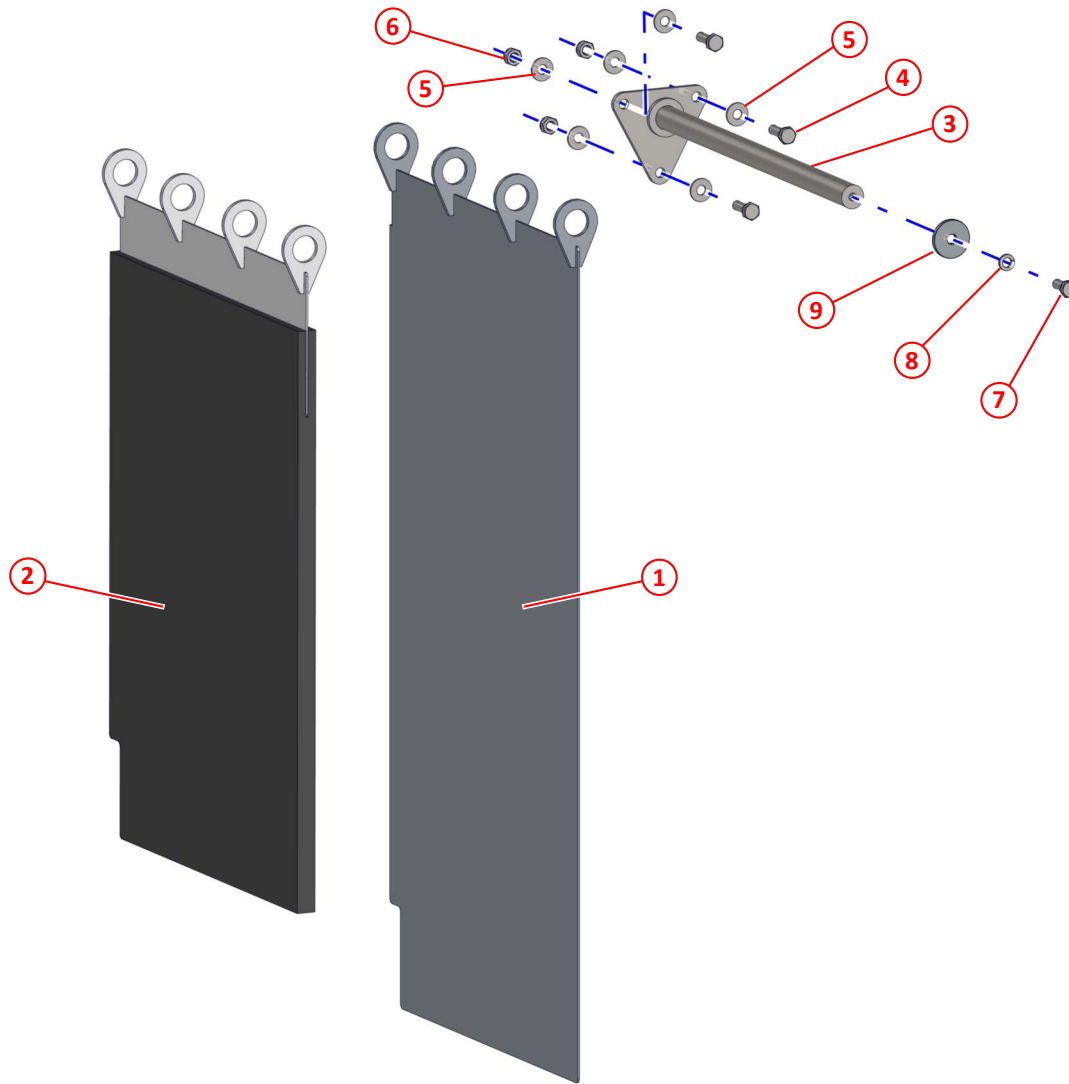
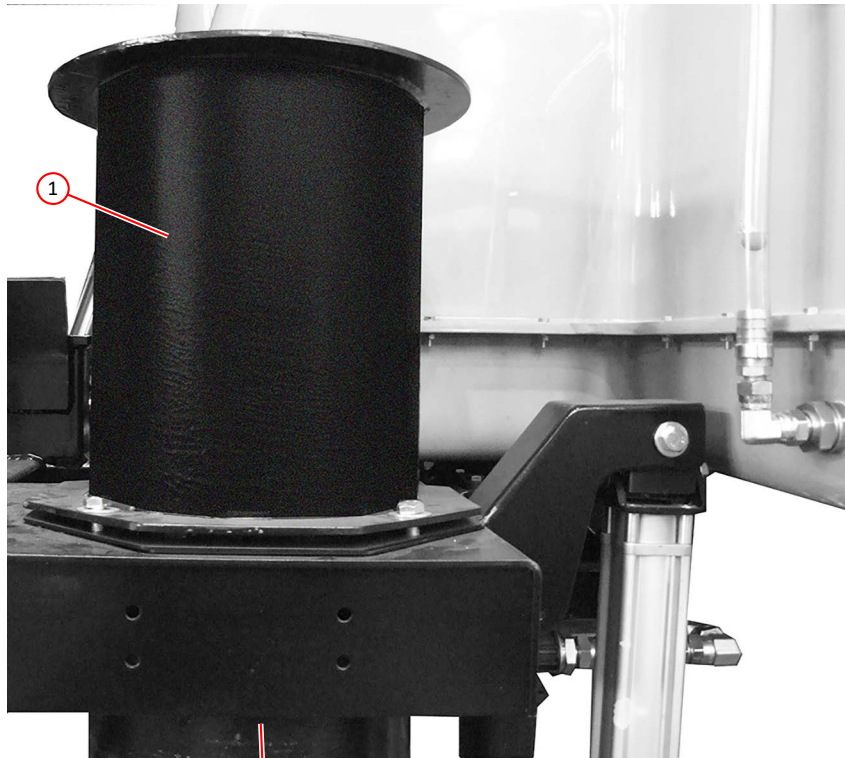


Figure 81: Deflector flap - MYC

Item	Part No	Qty	Description
①	SCA031888	1	Deflector flap
②	SCA050738	1	Deflector flap, PU lined
③	SCA030536	1	Deflector flap mount
④	SCA011032	3	Setscrew HT M10 x 30
⑤	SCA011094	6	Washer M10
⑥	SCA011075	3	Nyloc nut M10
⑦	SCA011031	1	Setscrew HT M10 x 25
⑧	SCA011095	1	Spring washer M10
⑨	SCA030537	1	Washer 10.5 x 40 x 5

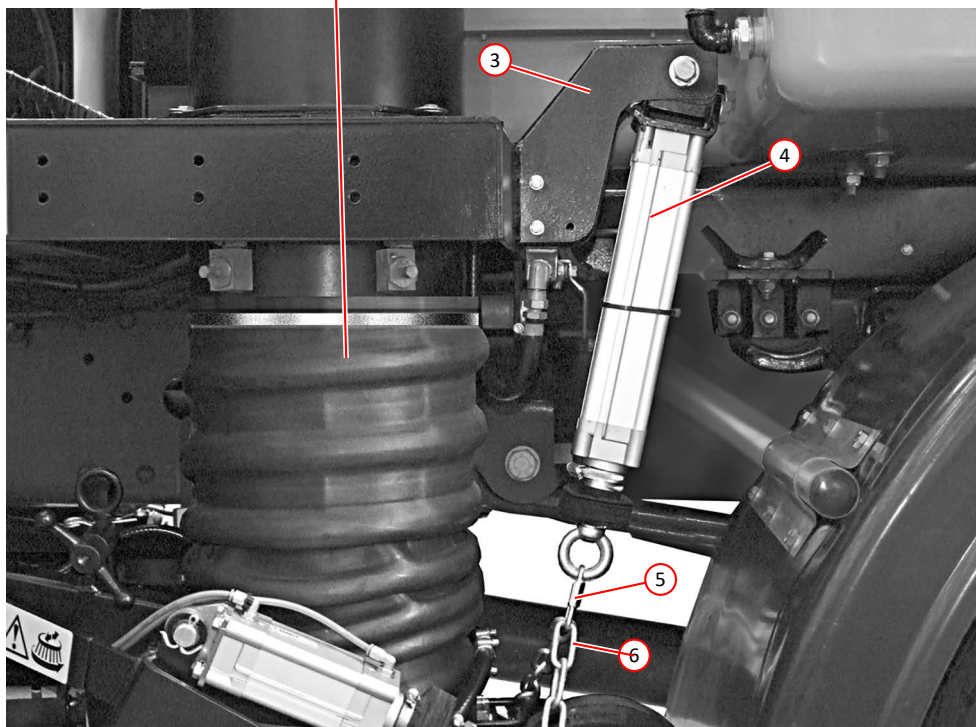
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Suction Spigot			
1	034368	1	Suction spigot
1	035282	1	Suction spigot, PU coated (option)
	011054	4	Setscrew, M12 x 45mm
	011096	8	Washer, M12
	011077	4	Nut, M12, Nyloc
2	013028	1	Hose/trunking, suction nozzle box Page 126
NI	012933	2	Clamp, hose, worm drive, 235-267mm

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Suction Nozzle Raise/Lower Arrangement			
3	030775	1	Bracket, Cylinder, mounting
	011031	4	Setscrew, M10 x 25mm
	011094	8	Washer, M10
	011075	4	Nut, M10, Nyloc
4		1	Cylinder, pneumatic, nozzle lift, assembly Page 202
5	010606	4	Carabiner
6	010525	AR	Chain, large link, nozzle lift



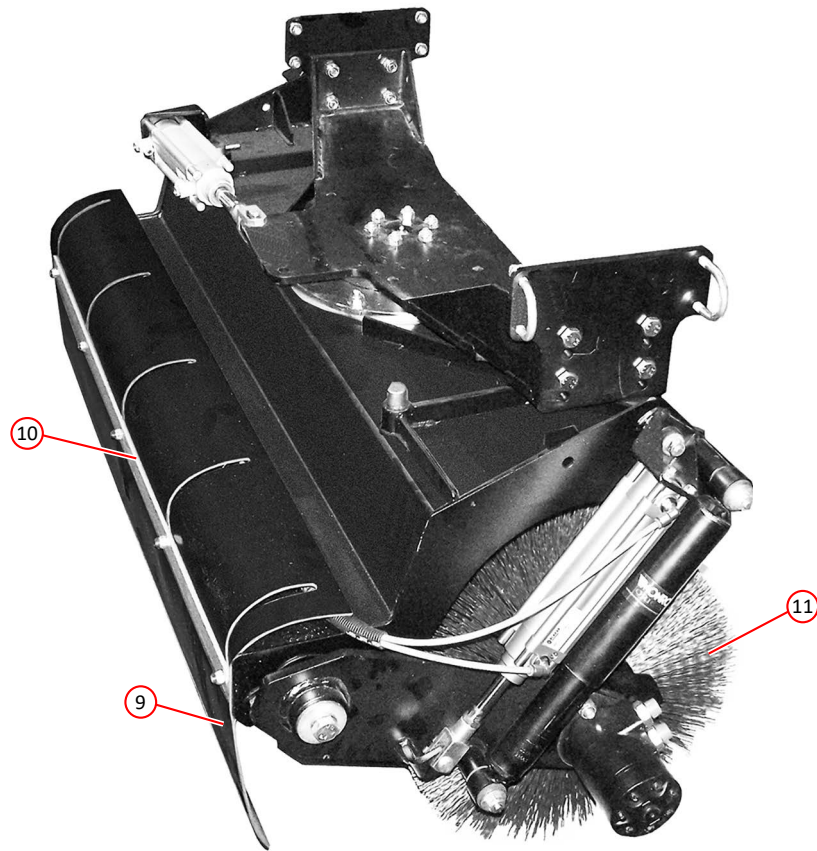
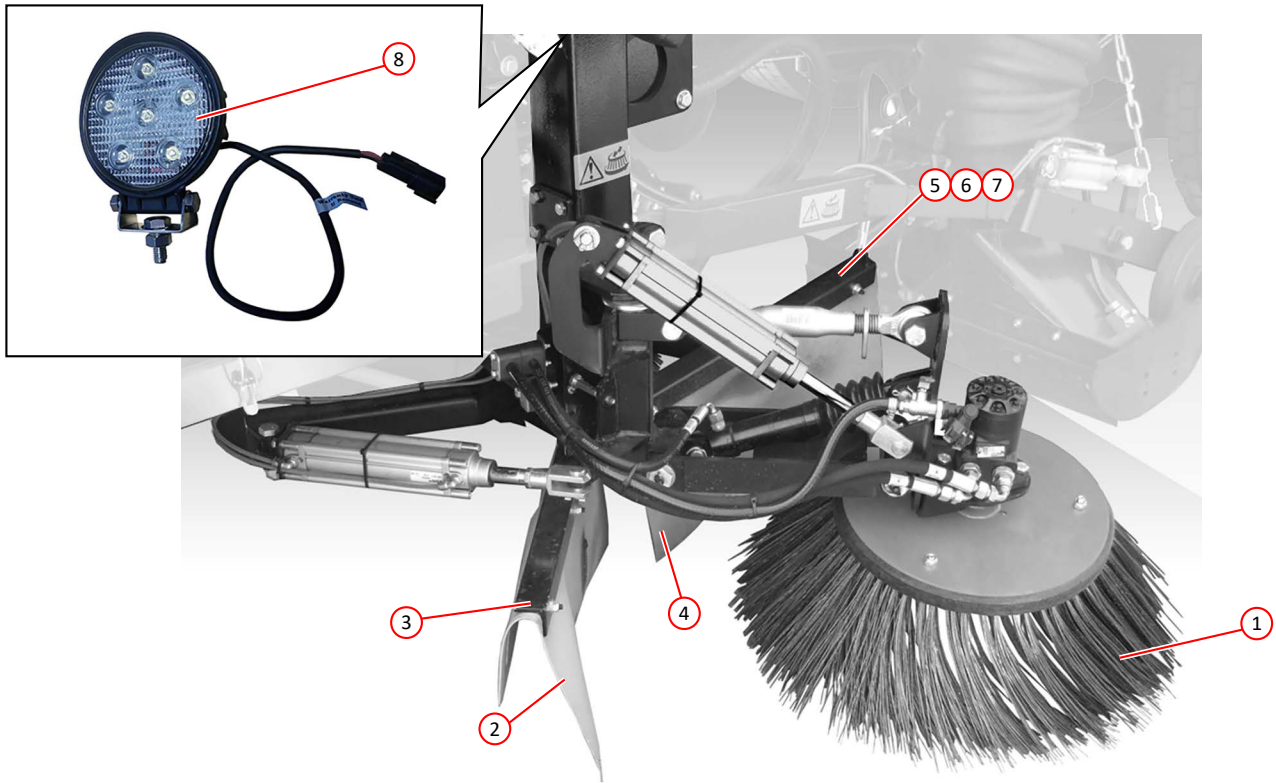
SUCTION SPIGOT

2



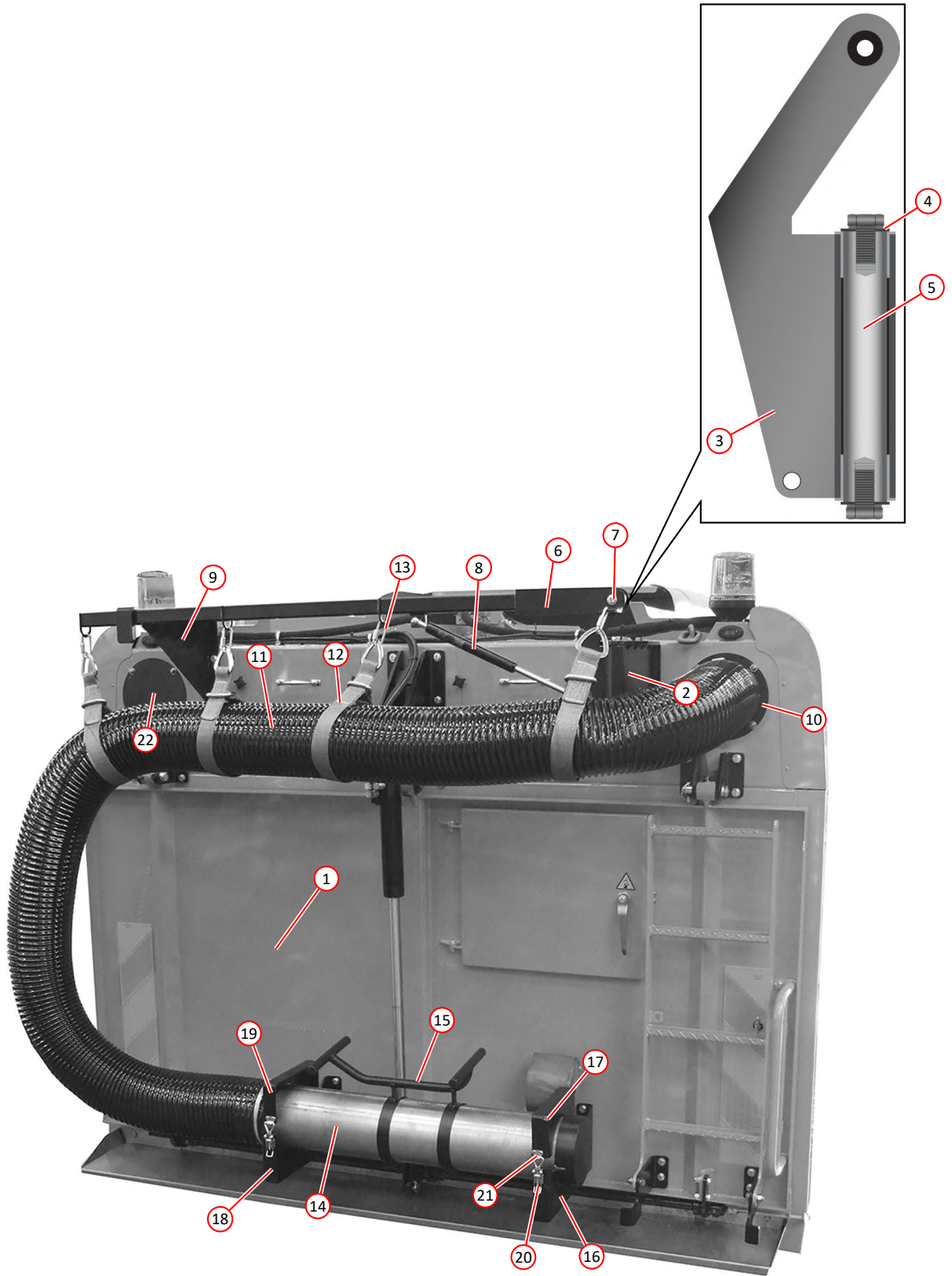
SUCTION NOZZLE - RAISE/LOWER ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Associated Sweeping Equipment - Brushes and Skirts			
1	023473	1	Side brush, ø400mm, 3 stud (steel) Page 118
NI	020921	1	Side brush, ø400mm, 3 stud (weed ripping) Page 118
NI	025744	1	Side brush, ø400mm, 3 stud (poly) Page 118
2	010247	1	. Skirt, side brush, front, 3 slot, heavy duty
2	040709	1	. Skirt, side brush, front, 3 slot, standard duty
3	010275	1	. . Clamp, skirt, 3 stud
	011092	6	. . . Washer, M8
	011073	3	. . . Nut, M8, Nyloc
4	010247	1	. Skirt, side brush, side, 3 slot, heavy duty
4	040709	1	. Skirt, side brush, side, 3 slot, standard duty
5	013145	1	. . Clamp, angle, 3 hole
6	010275	1	. . Clamp, skirt, 3 stud
	011092	6	. . . Washer, M8
	011073	3	. . . Nut, M8, Nyloc
7	010606	2	. . . . Carabiner
8	047757	1	Work light, LED Page 212
NI	037084	1	Work light, 24V x 70W Page 212
9	022516	1	Skirt, wide sweep, heavy duty
9	040711	1	Skirt, wide sweep, standard duty
10	022517	1	. Clamp, wide sweep
	011073	5	. . Nut, M8, Nyloc
11	023474	1	Brush element, wide sweep, ø400mm, box of 44 Page 122



ASSOCIATED SWEEPING EQUIPMENT - BRUSHES AND SKIRTS

Item	Part Number	Quantity	Description	
Rear Wander Boom Arrangement				
1	039263	1	Rear door, with RH inspection/cleaning hatch	Page 36,40
NI	039311	1	Rear door, with LH inspection/cleaning hatch	Page 36,40
2	034767	1	. Hinge, wander boom, RH	
NI	034312	1	. Hinge, wander boom, LH	
	011032	6	. . Setscrew, M10 x 35mm	
	011094	12	. . Washer, M10	
	011075	6	. . Nut, M10, Nyloc	
3	028025	1	. . . Hinge, boom arrangement	
4	013662	2	. . . . Bush, plastic	
5	023490	1	. . . . Hinge, shaft, boom arrangement	
	011097	2	. . . . Spring washer, M12	
	011052	2	. . . . Setscrew, M12 x 35mm	
	010903	1	. . . Greasing point, straight, $\frac{1}{8}$ " BSP	
6	025218	1	. . Support arm, boom	
	011032	2	. . . Setscrew, M10 x 35mm	
	011094	4	. . . Washer, M10	
	011075	2	. . . Nut, M10, Nyloc	
7	012548	1	. . . Bracket, angle (carabiner)	
8	021993	1	. . Gas strut, boom support arm	
9	034313	1	. . Stowage hook, boom support arm	
10	025225	1	. Wander hose sleeve	
	000263	4	. Washer, M8, stainless steel	
	000264	4	. Nut, M8, Nyloc, stainless steel	
11	036062	1	. . Wander hose, \varnothing 180mm x 5m	
12	025235	4	. . . Strap, wander hose	
13	010606	4	. . . Carabiner	
	012933	2	. . . . Clamp, hose, worm drive, 235-267mm	
14	035959	1	. . . Tube, wander boom	
15	039283	1	. . . . Handle, wander boom tube	
16	039280	1	. Stowage bracket, lower (used on right side)	} RH Wander Boom
17	039282	1	. . Stowage bracket, upper, (used on right side)	
18	035963	1	. Stowage bracket, lower, (used on left side)	
19	035962	1	. . Stowage bracket, upper, (used on left side)	
NI	039281	1	. Stowage bracket, lower, (used on left side)	} LH Wander Boom
19	039282	1	. . Stowage bracket, upper, (used on left side)	
18	035963	1	. Stowage bracket, lower, (used on right side)	
19	035962	1	. . Stowage bracket, upper, (used on right side)	
20	010509	2	. . Fastener, hinge, toggle clip	
21	021841	2	. . Fastener, hook, toggle clip	
	000389	8	. . . Screw, Pozidriv, countersunk, M5 x 16mm	
	000155	8	. . . Nut, M5, Nyloc	
22	025486	1	. . Cover plate, wander boom attachment	
	000264	4	. . . Washer, M8, stainless steel	
	000263	4	. . . Nut, M8, Nyloc, stainless steel	

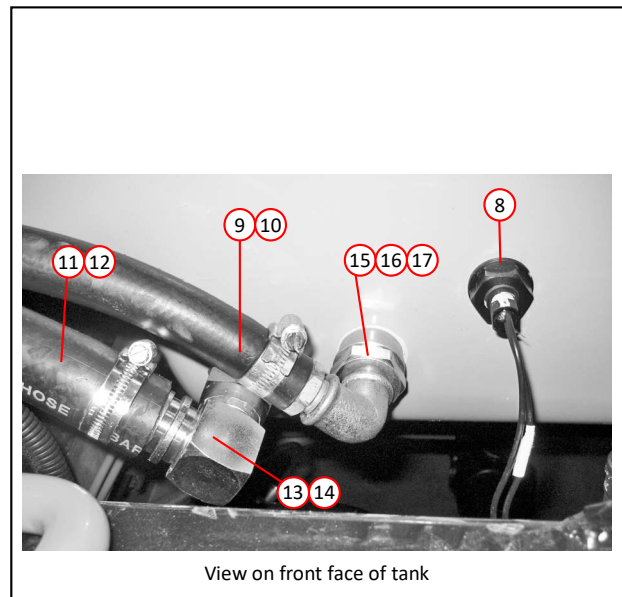
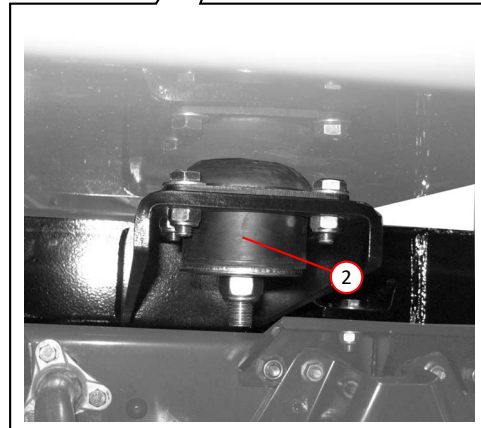
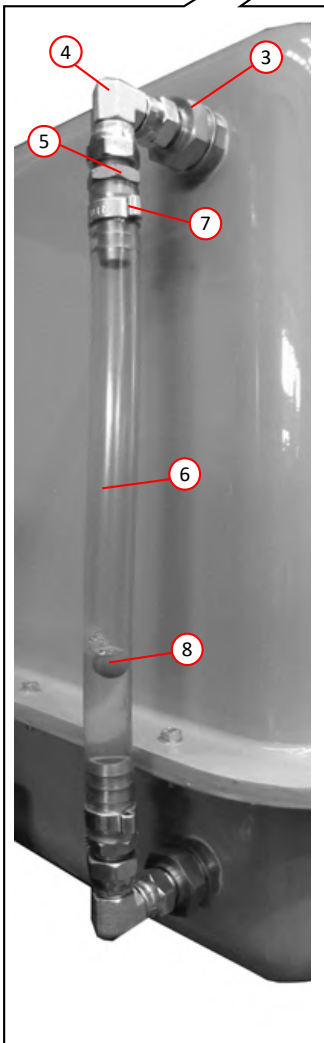
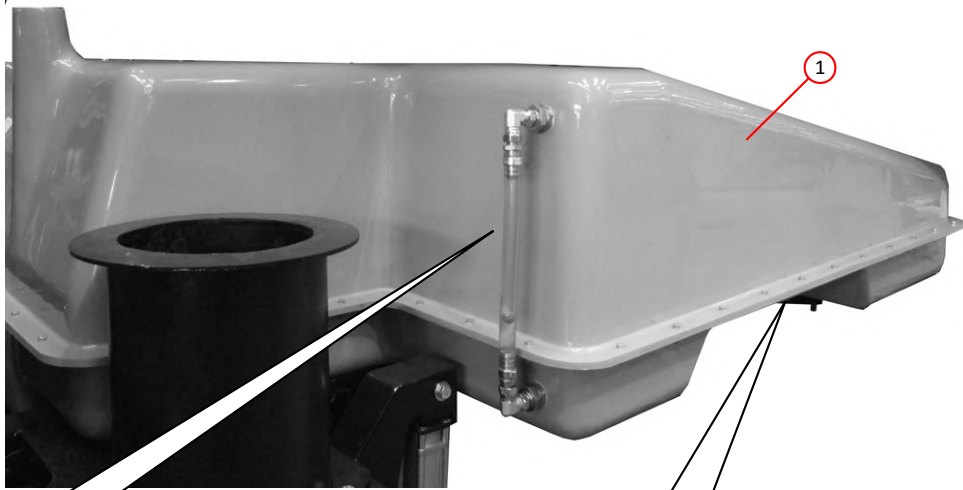


REAR WANDER BOOM ARRANGEMENT

Washing and dust suppression

<i>Description</i>	<i>Page</i>
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High Pressure Water Pump 42 LPM - Seal Kits	85

Item	Part Number	Quantity	Description
Water Tank Assembly			
1	034333	1	. Water tank (GRP) Page 24
2	033838	4	. . Anti-vibration mount, rubber
	011060	4	. . . Nut, M16, Nyloc
	011032	16	. . . Setscrew, M10 x 30mm
	011094	16	. . . Washer, M10
	011075	16	. . . Nut, M10, Nyloc
3	010946	2	. . Bush, reducer, $\frac{3}{4}$ " x $\frac{3}{8}$ " BSP
NI	011155	2	. . . Seal, Dowty $\frac{3}{4}$ " BSP
4	010913	2	. . Elbow, galvanised, M/M, $\frac{3}{8}$ " BSP
5	010930	2	. . Hose tail, $\frac{3}{8}$ " BSP x $\frac{5}{8}$ " hose
6	040424	1	. . . Tube, clear PVC, $\frac{5}{8}$ " ID
7	000202	2	. . . . O clamp $\frac{7}{8}$ "
8	025335	1	. . . . Ball, float, $\phi 2\frac{1}{2}$ " plastic
9	011210	1	. . Elbow, $\frac{3}{4}$ " BSP x 1" hose
10	011161	2	. . . Adaptor, M/M, straight $\frac{3}{4}$ " BSP
NI	011155	4	. . . Seal, Dowty $\frac{3}{4}$ " BSP
NI	034760	1	. . Lid, water tank
NI	034870	1	. . Plate, sump, water tank
NI	034873	2	. . . Gasket, lid/sump plate. water tank
11	014827	AR	. . Hose, rubber, 1" bore
12	010518	1	. . . Clamp, hose, worm drive, 30-40mm
13	011100	AR	. . Hose, rubber, $\frac{5}{8}$ " bore
14	010517	1	. . . Clamp, hose, worm drive, 18-25mm
15	010913	2	. . Elbow, galvanised, M/M, $\frac{3}{8}$ " BSP
16	010946	2	. . Bush, reducer, $\frac{3}{4}$ " x $\frac{3}{8}$ " BSP
NI	011155	2	. . . Seal, Dowty $\frac{3}{4}$ " BSP
17	010930	2	. . Hose tail, $\frac{3}{8}$ " BSP x $\frac{5}{8}$ " hose
18	036871	1	. . Float switch and amp (option) Page 212

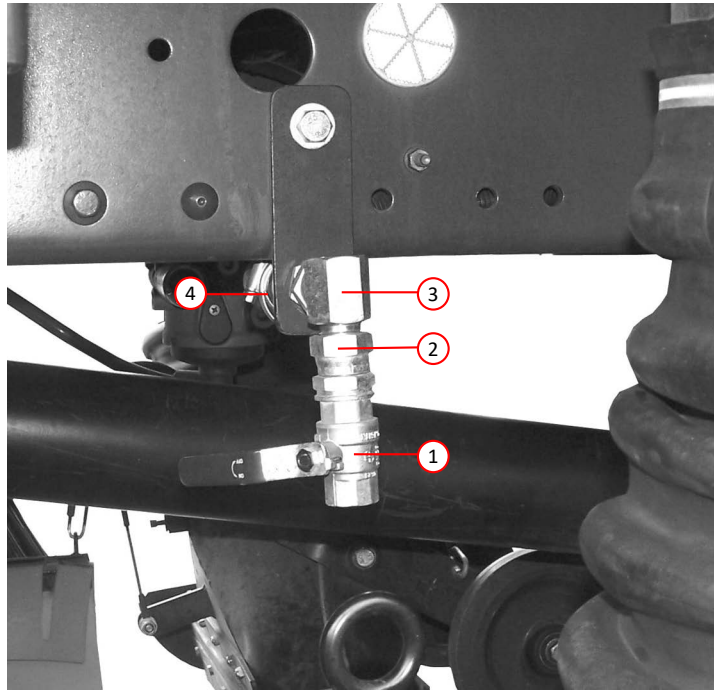


View on front face of tank

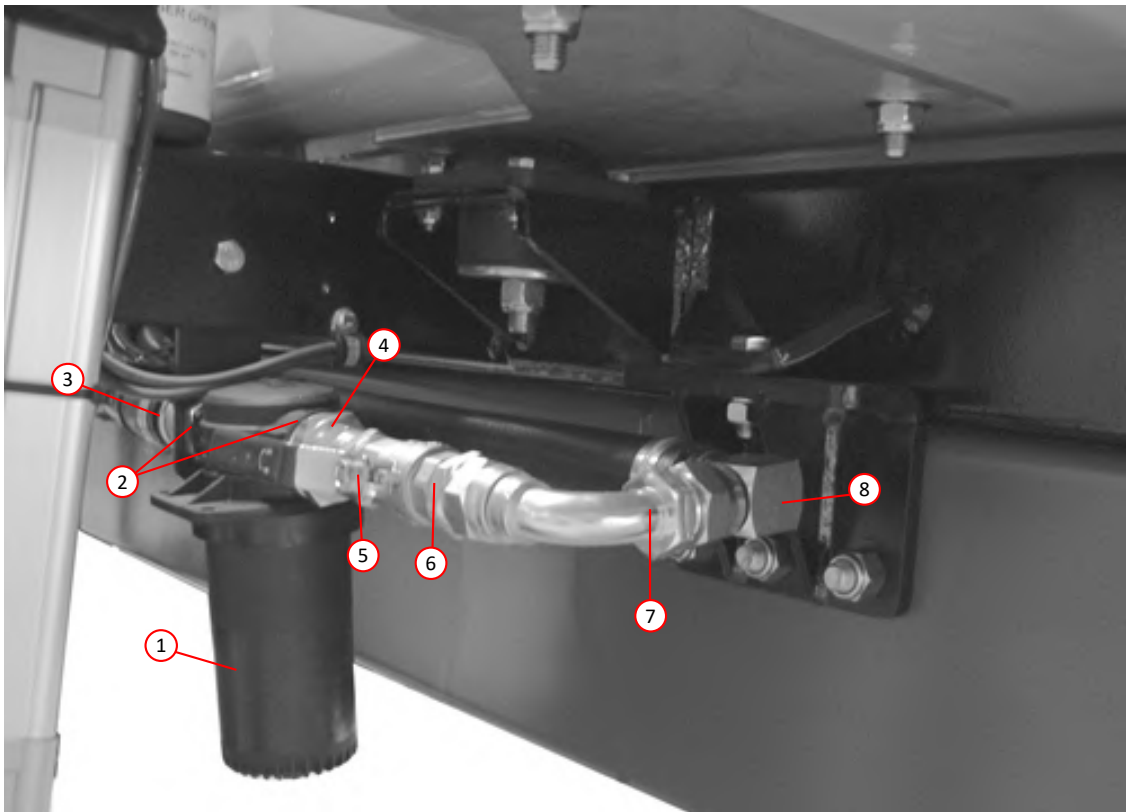
WATER TANK ASSEMBLY

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Water Tank Drain Valve Assembly			
1	013757	1	. Valve, ball $\frac{3}{4}$ " BSP
2	012228	1	. . Coupling, M/M, $\frac{3}{4}$ " BSP
3	002044	1	. . Elbow, compact, M/F, $\frac{3}{4}$ " BSP
4	011161	1	. . Adaptor, M/M, $\frac{3}{4}$ " BSP
NI	010934	1	. . Socket, $\frac{3}{4}$ " BSP
NI	010931	1	. . Hose tail, $\frac{3}{4}$ " BSP x 1" hose
NI	010518	1	. . . Clamp, hose, worm drive, 30-40mm

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Water Filter Assembly - High Pressure			
1	023862	1	. Filter, water (complete with element)
NI	023863	1	. . Element, gauze
NI	023897	1	. . . 'O' Ring
2	000154	2	. Bush, reducing, galvanised, M/F, 1" x $\frac{3}{4}$ " BSP
3	010931	1	. Hose tail, $\frac{3}{4}$ " BSP x 1" hose
4	010916	1	. Adaptor, M/M, $\frac{3}{4}$ " BSP
5	013757	1	. Valve, ball $\frac{3}{4}$ " BSP
6	011161	1	. Adaptor, M/M, $\frac{3}{4}$ " BSP
7	011196	1	. Elbow, swept, M/F, $\frac{3}{4}$ " BSP
8	011210	1	. Elbow, $\frac{3}{4}$ " BSP x 1" hose
NI	010518	1	. Clamp, hose, worm drive, 30-40mm

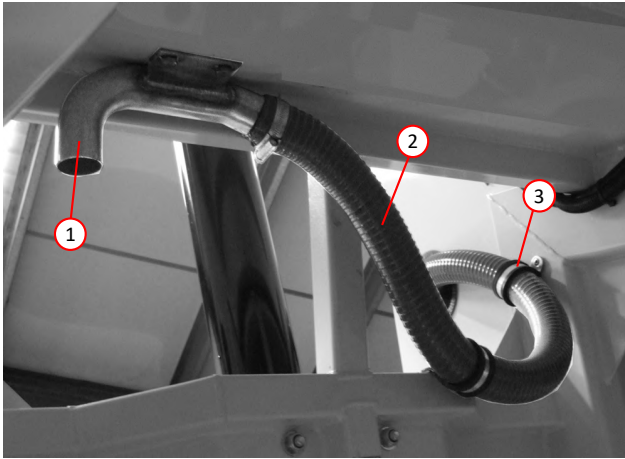


WATER TANK DRAIN VALVE

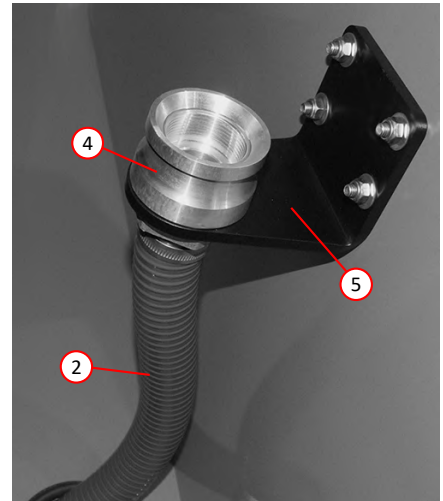


WATER FILTER ASSEMBLY - HIGH PRESSURE

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Water Tank Filler Arrangement			
1	034388	1	Filler pipe
	000257	2	. Setscrew, M8 x 25mm, stainless steel
	000264	2	. Washer, M8, stainless steel
2	001045	AR	Hose, green, medium duty, 1½" bore
3	005055	2	. Clip 50mm OD
NI	003007	2	. Clamp, hose, worm drive, 35-50mm
4	025140	1	Hydrant adaptor, includes back nut
5	039313	1	. Bracket, mounting
	000257	4	. . Setscrew, M8 x 25mm, stainless steel
	000264	8	. . Washer, M8, stainless steel
	000263	4	. . Nut, M8, Nyloc, stainless steel



WATER TANK FILLER HOSE
ROUTING RH

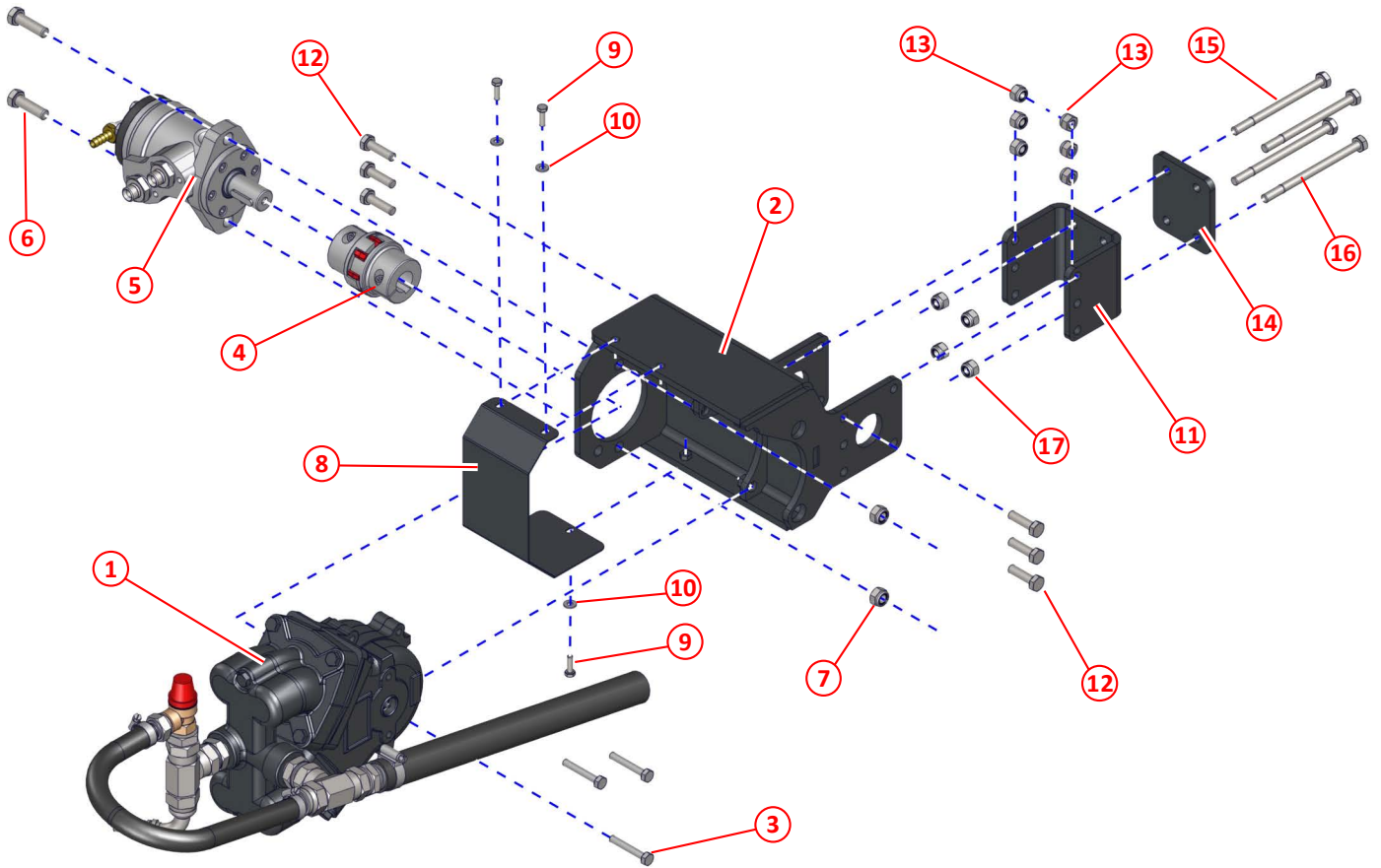


HYDRANT ADAPTOR WATER TANK FILLER
LOCATED IN SIDE LOCKER

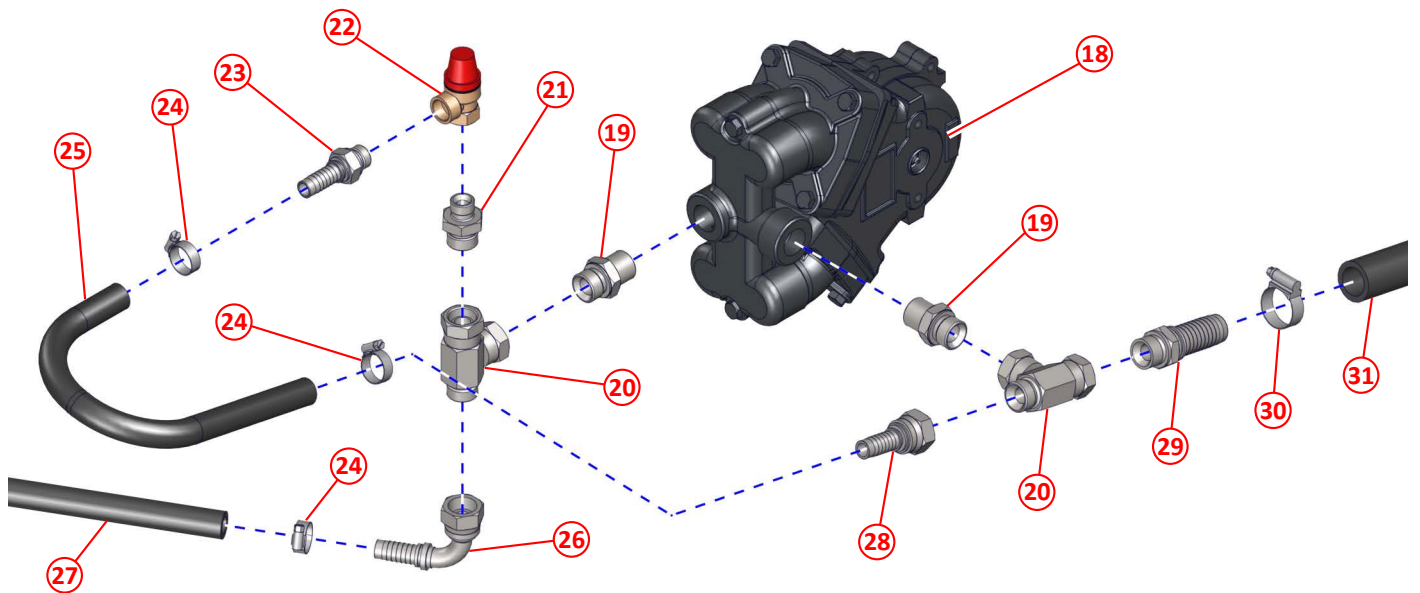
WATER TANK FILLER ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Low Pressure Water Twin Diaphragm - Arrangement			
1	010208	1	Water pump, twin diaphragm, low pressure
2	045029	1	Mounting bracket, water pump, low pressure
3	011016	3	Set screw M8 x 50
4	043779	1	Coupling, water pump
5	043778	1	Hydraulic motor 40cc
6	011069	2	Bolt M12 x 40
7	011077	2	Nyloc nut M12
8	044186	1	Cover, coupling
9	011067	3	Set screw M6 x 20
10	011090	3	Plain washer M6
11	045030	1	Adapter plate
12	011033	6	Set screw M10 x 35
13	011075	6	Nyloc nut M10
14	045031	1	Spreader plate
15	000075	2	Bolt M10 x 130
16	000041	2	Bolt M10 x 140
17	011075	4	Nyloc nut M10

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Low Pressure Water Twin Diaphragm - Fittings			
18	010208	1	Water pump, twin diaphragm, low pressure
19	002245	2	Adapter, M/M, #” BSPP x #” BSPT
20	002233	2	Tee, M/F/F, nuts on branch, #” BSP
21	011166	1	Adapter, #” BSP x !” BSP
22	030741	1	Valve, pressure reducer
23	002159	1	Adapter, male #” BSPP x &” hose tail
24	010517	3	Hose clamp, worm drive, No. 0X (ø18-ø25)
25	011000	AR	Hose, &”, pressure relief
26	001145	1	Elbow, female #” BSP x &” hose tail
27	011000	AR	Hose, &”, to water valves
28	001144	1	Adapter, female #” BSPP x &” hose tail
29	002252	1	Adapter, male #” BSPP x 1” hose tail
30	010518	1	Hose clamp, worm drive, No. 1X (ø30-ø40)
31	010959	AR	Hose 1”, from water strainer, low pressure

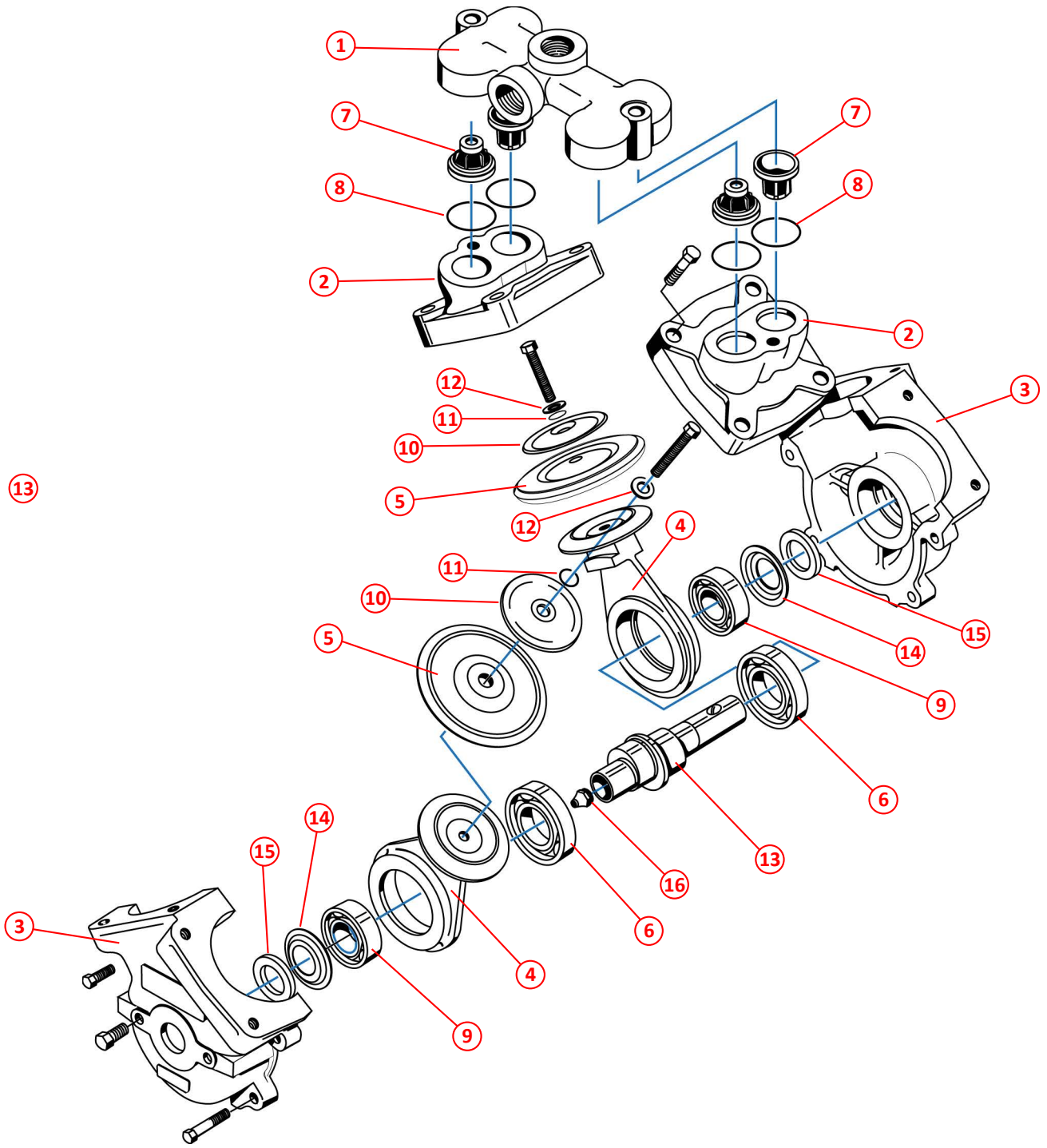


Low Pressure Water Pump Twin Diaphragm Arrangement



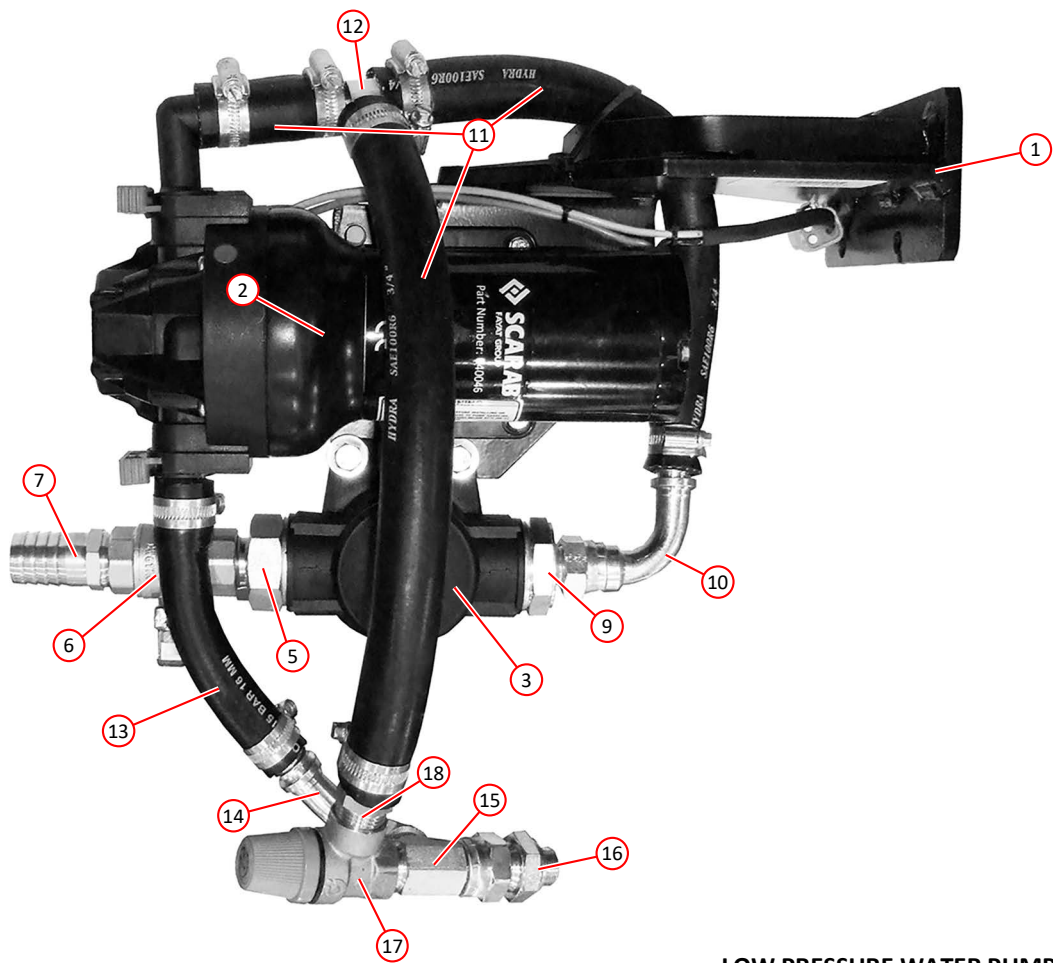
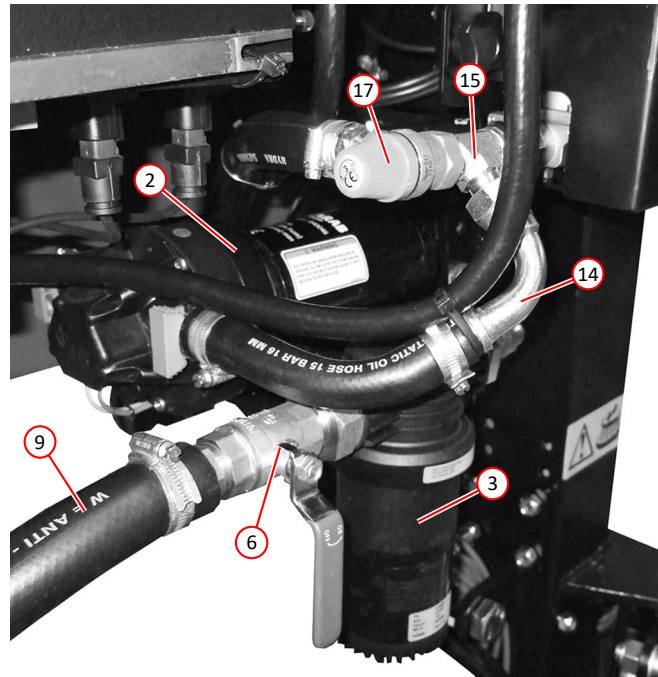
Low Pressure Water Pump Twin Diaphragm Fittings

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Low Pressure Water Twin Diaphragm - Components			
1	020460	1	Pump bridge, valve chamber
2	020463	2	Pump head, diaphragm cover
3	020461	2	Pump crankcase
4	014682	2	Connecting rods
5	013629	2	Diaphragm
6	013522	2	Bearing, ball
7	013627	4	Poppet valve
8	013628	4	Sealing ring
9	022726	2	Bearing, ball
10	014882	2	Diaphragm upper
11	031560	2	Seal
12	031561	2	Washer
13	048004	1	Pump centric
14	014881	2	Retainer
15	014879	2	Felt washer
16	010903	1	Grease nipple, $\frac{1}{8}$ " straight



Low Pressure Water Pump Twin Diaphragm Components

Item	Part Number	Quantity	Description
Low Pressure Water Pump Electric- Arrangement			
1	038503	1	. Mounting bracket
2	040046	1	. . Water pump, low-pressure (Electric) Page 213
	000230	4	. . . Setscrew, M5 x 45mm
	000410	4	. . . . Washer, M5
	000155	4	. . . . . Nut, M5, Nyloc
3	023862	1	. . Filter (complete with element)
4	023863	1	. . . Filter, element
	011011	2	. . . Setscrew, M8 x 25mm
	011902	4	. . . . Washer, M8
	011073	2	. . . . . Nut, M8, Nyloc
5	011193	2	. . . Reducer, 1 x $\frac{3}{4}$ BSP
	011156	1	. . . . . Seal, Dowty, $\frac{1}{4}$ BSP
6	013757	1	. . . . . Valve, ball, $\frac{3}{4}$ BSP
7	010931	1	. . . . . Hose-tail, $\frac{3}{4}$ BSP x 1"
8	014827	AR	. . . . . Hose, rubber, 1" bore (from water tank)
	010518	1	. . . Clamp, hose, worm drive, 30-40mm
9	011228	1	. . . Reducer, 1 x $\frac{1}{2}$ BSP
	011156	1	. . . . . Seal, Dowty, $\frac{1}{4}$ BSP
10	011234	1	. . . . Elbow, $\frac{1}{2}$ BSP x $\frac{5}{8}$ hose
11	002188	AR	. . . . . Hose, rubber, $\frac{3}{4}$ bore
12	031510	1	. . . . . Tee, plastic, $\frac{3}{4}$ hose
	010517	6	. . . . . Clamp, hose, worm drive, 18-25mm
13	011000	AR	. . . Hose, rubber $\frac{5}{8}$ bore
14	011234	1	. . . . Elbow, $\frac{1}{2}$ BSP x $\frac{5}{8}$ hose
	010517	2	. . . . . Clamp, hose, worm drive, 18-25mm
15	011182	1	. . . . Tee, nut on run, $\frac{1}{2}$ BSP
16	011167	1	. . . . . Adaptor, $\frac{1}{2}$ BSP x $\frac{5}{8}$ BSP (to water valves)
	011153	1	. . . . . Seal, Dowty, $\frac{5}{8}$ BSP
17	030741	1	. . . . . Pressure reducer, $\frac{1}{2}$ BSP
18	011235	1	. . . . . Hose-tail, $\frac{1}{2}$ BSP x $\frac{3}{4}$ hose

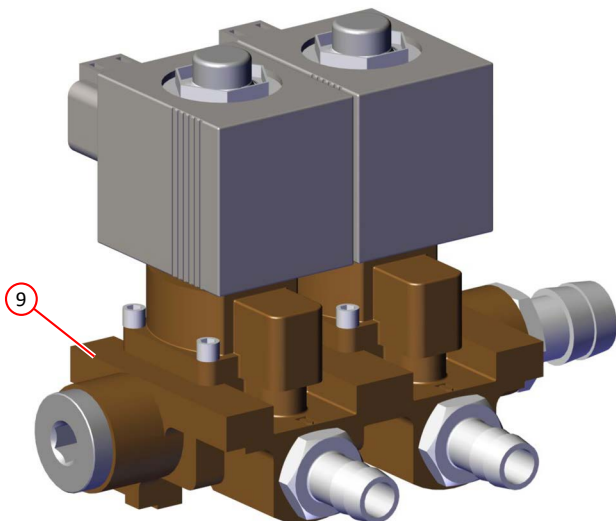
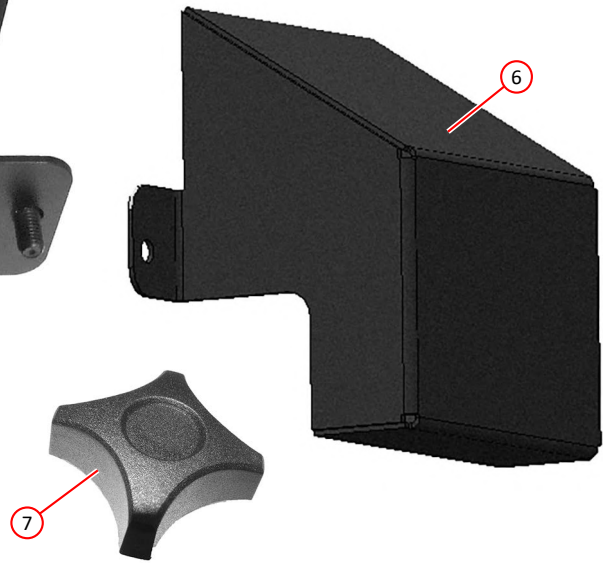
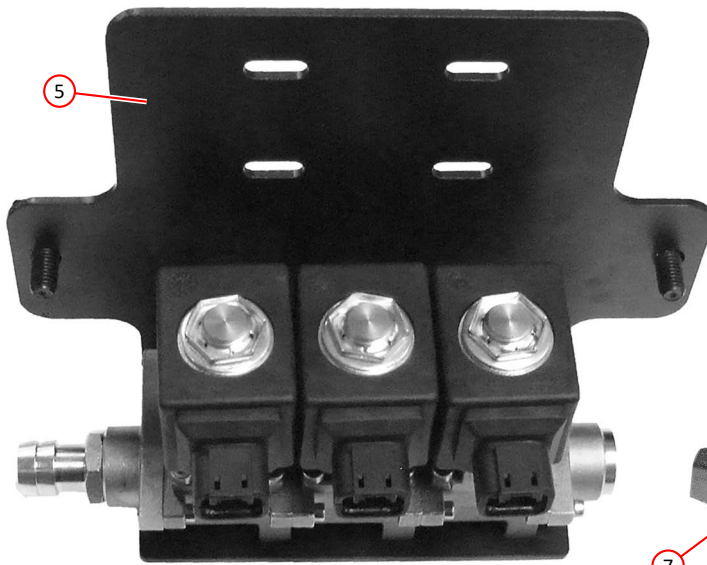
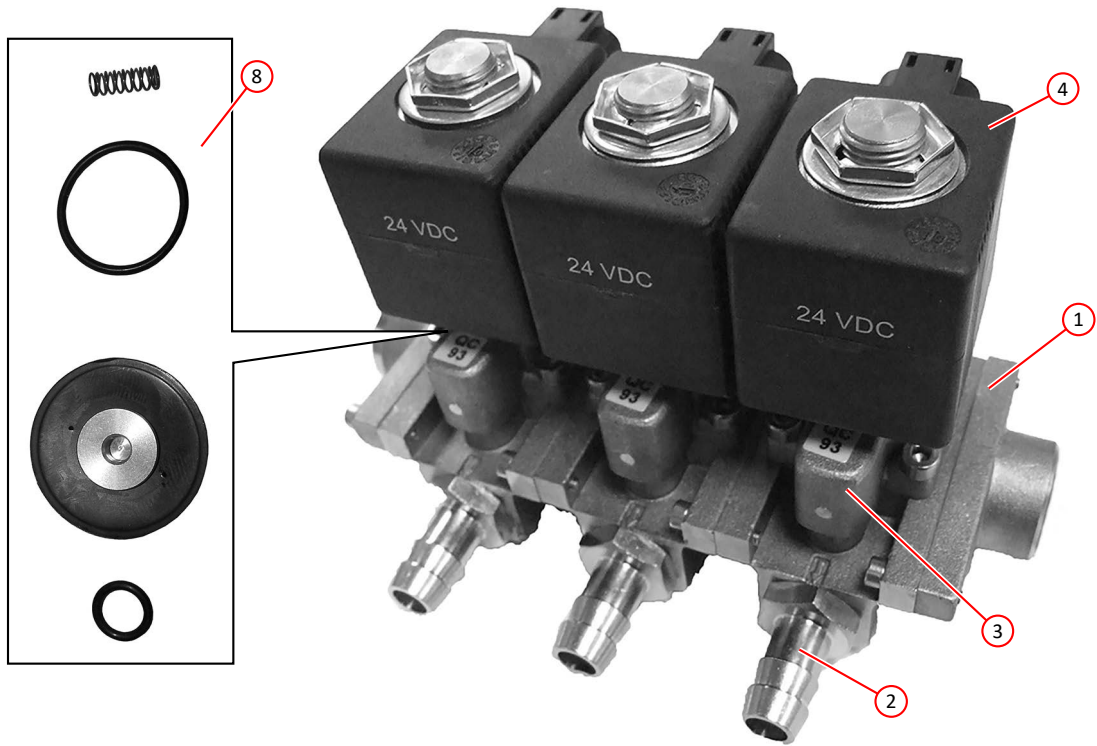


LOW PRESSURE WATER PUMP ELECTRIC

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Water Valve Assembly			
1	038370 *	1	. Water Valve, 3 way, assembly
	000052	4	. . Setscrew, M5 x 16mm
	000155	4	. . Nut, M5, Nyloc
2	010922	3	. . . Hose tail, $\frac{1}{4}$ BSP x $\frac{3}{8}$ " hose
NI	010516	3	. . . . Clamp, hose, worm drive, 11-16mm
NI	010950	AR	. . . . Hose, plastic reinforced, $\frac{3}{8}$ " bore
3	037969	3	. . Solenoid, complete body assembly, BSV122NC24D
4	037059	3	. . Coil, 24 Volt, 8 Watt, BVC24D
5	038384	1	. . Bracket, mounting, water valve assembly
	011001	4	. . . Setscrew, M6 x 16mm
	011071	4	. . . Nut, M6, Nyloc
6	038385	1	. . Cover, water valve assembly
7	000248	2	. . . Knob, plastic, brass insert, M8
8	034624	AR	. Repair kit, BSVRK
9	043113	1	Water valve, 2 way, assembly

Notes:-

* The water valve assembly is shown as 3 way and hence all associated parts are based on that, but depending on actual configuration of the sweeper may contain more or less valves and hence associated components.



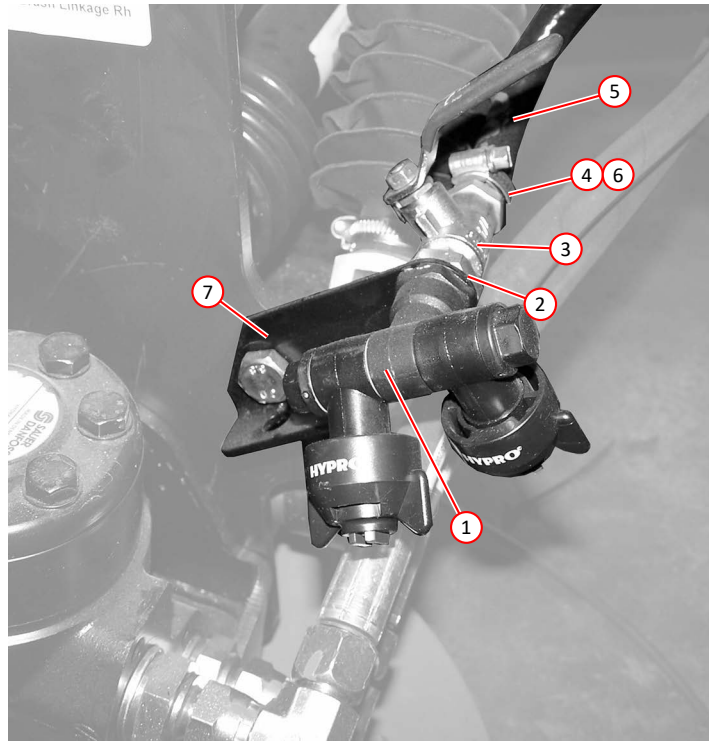
WATER VALVE ASSEMBLY

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Side Brush Low Pressure Water Spray Nozzle			
1	036044	1	. Spray jet assembly complete Page 118
	030746	2	. . Spray body cap
	030748	2	. . . Spray jet
	030633	2	. . . Filter
	030636	2	. . . Washer, rubber
2	011199	1	. . . . Adaptor, M/M, $\frac{3}{8}$ " x $\frac{1}{4}$ " BSP
3	011743	1	. . . . Valve, ball, $\frac{1}{4}$ " BSP
4	010922	1	. . . . Hose tail
5	010950	AR	. . . . . Hose, water
6	010516	1	. . . . . Clamp, hose, worm drive, 11 - 16mm
7	036043	1	. . Bracket, double spray jet, LH
NI	036042	1	. . Bracket, double spray jet, RH
	011031	1	. . . Bolt, M10 x 25mm
	011075	1	. . . Nut, M10 Nyloc

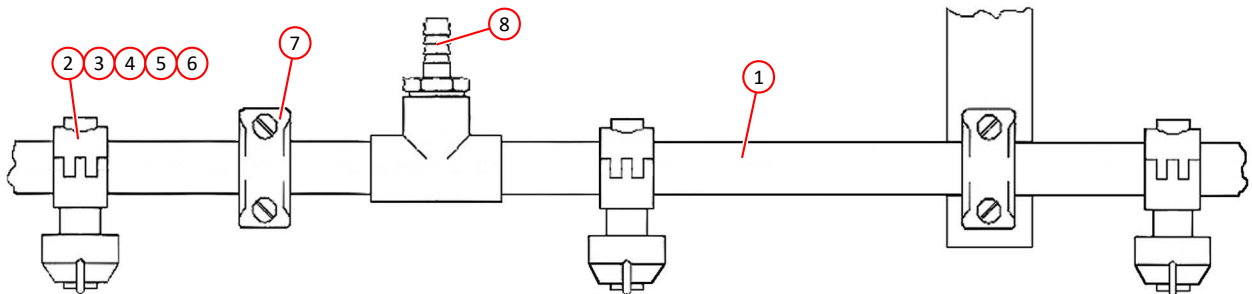
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Front Low Pressure Spray Bar			
1	030323 *	1	. Low-pressure spray bar
2	030632	7	. . Jet
3	030633	7	. . Filter
4	030634	7	. . Nozzle holder
5	030635	7	. . Cap, jet
6	030636	7	. . Washer, rubber
7	031338	AR	. . Clamp
8	031339	1	. . Hose tail

Notes:-

* Mounting brackets for the spray bar are dependant on the vehicle being fitted to. Please contact your local Scarab Dealer or the Scarab Parts Department regarding these parts.



SIDE BRUSH LOW PRESSURE SPRAY NOZZLE

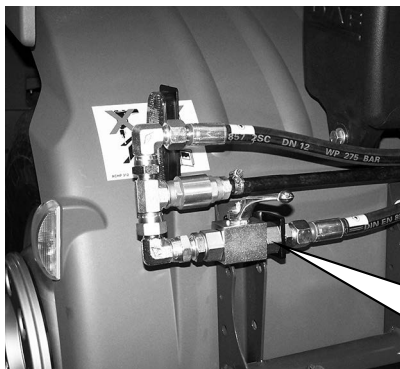
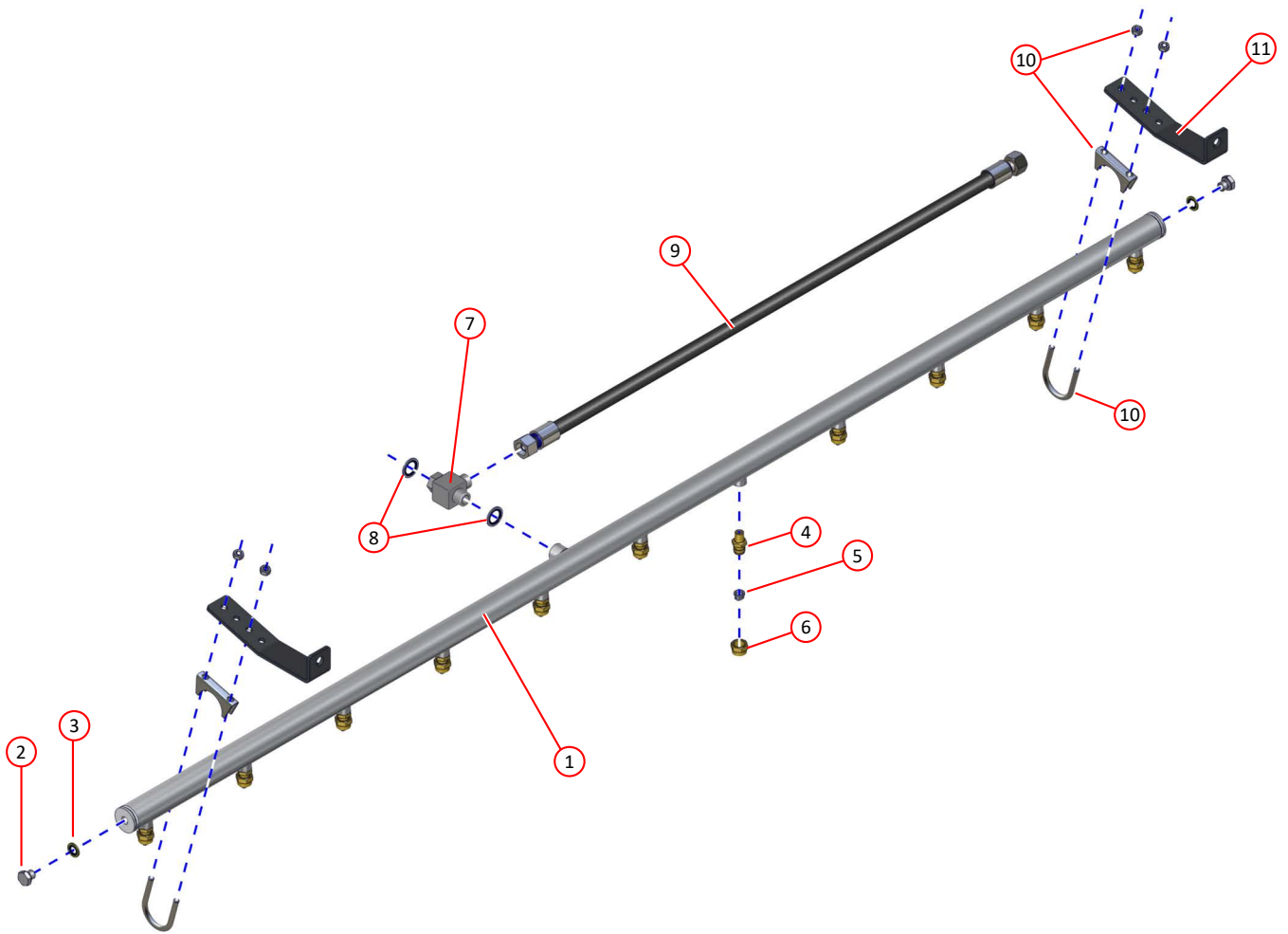


FRONT LOW PRESSURE SPRAY BAR

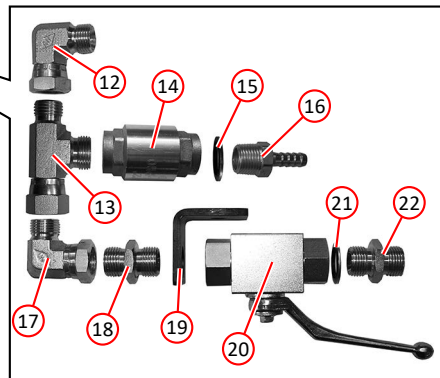
Item	Part Number	Quantity	Description
Combined High & Low Pressure Front Spray Bar Arrangement			
1	020405	1	Spray bar, stainless steel
2	011241	2	Plug $\frac{1}{4}$ " BSP
3	011152	2	Dowty seal $\frac{1}{4}$ " BSP
4	010112	11	Nozzle body
5	023377	11	Jet
6	030951	11	Nozzle cap
7	011188	1	Banjo elbow, $\frac{1}{2}$ " BSP (complete)
8	011154	2	Seal, Dowty, $\frac{1}{2}$ " BSP
9	001067	1	Hose, 4500mm long, straight ends, $\frac{1}{2}$ " BSP
10	014983	AR	U-Clamp
11	*	2	Bracket, spray bar
12	011173	2	Elbow, swivel, M/F, $\frac{1}{2}$ " BSP
13	011182	1	Tee, swivel, M/M/F, $\frac{1}{2}$ " BSP
14	003033	1	Valve, non-return, $\frac{1}{2}$ " BSP
15	011154	4	Seal, Dowty, $\frac{1}{2}$ " BSP
16	003034	1	Hose tail, $\frac{1}{2}$ " BSP x $\frac{3}{8}$ " hose
NI	010958	AR	Hose, plastic re-enforced, $\frac{3}{8}$ " bore (from water valve)
NI	010516	1	Clamp, hose, worm drive, 11-16mm
17	011173	2	Elbow, swivel, M/F, $\frac{1}{2}$ " BSP
18	011160	1	Adaptor, M/M, $\frac{1}{2}$ " BSP
19	025007	1	Bracket, angle, valve support
20	023176	1	Valve, ball, F/F, $\frac{1}{2}$ " BSP
21	011154	4	Seal, Dowty, $\frac{1}{2}$ " BSP
22	011160	1	Adaptor, M/M, $\frac{1}{2}$ " BSP
NI	001068	1	Hose, 4000mm long, straight ends, $\frac{1}{2}$ " BSP (from H-P pump)

Notes:-

- * Mounting brackets for the spray bar are dependant on the vehicle being fitted to. Please contact your local Scarab Dealer or the Scarab Parts Department regarding these parts.



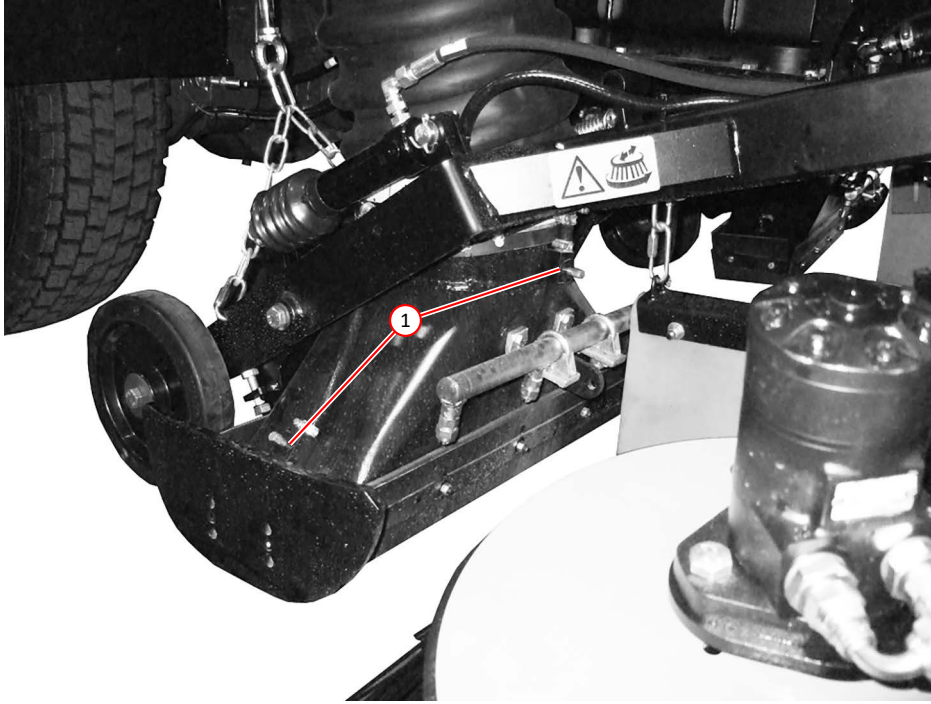
SHOWN FITTED TO LEFT HAND
SIDE OF VEHICLE



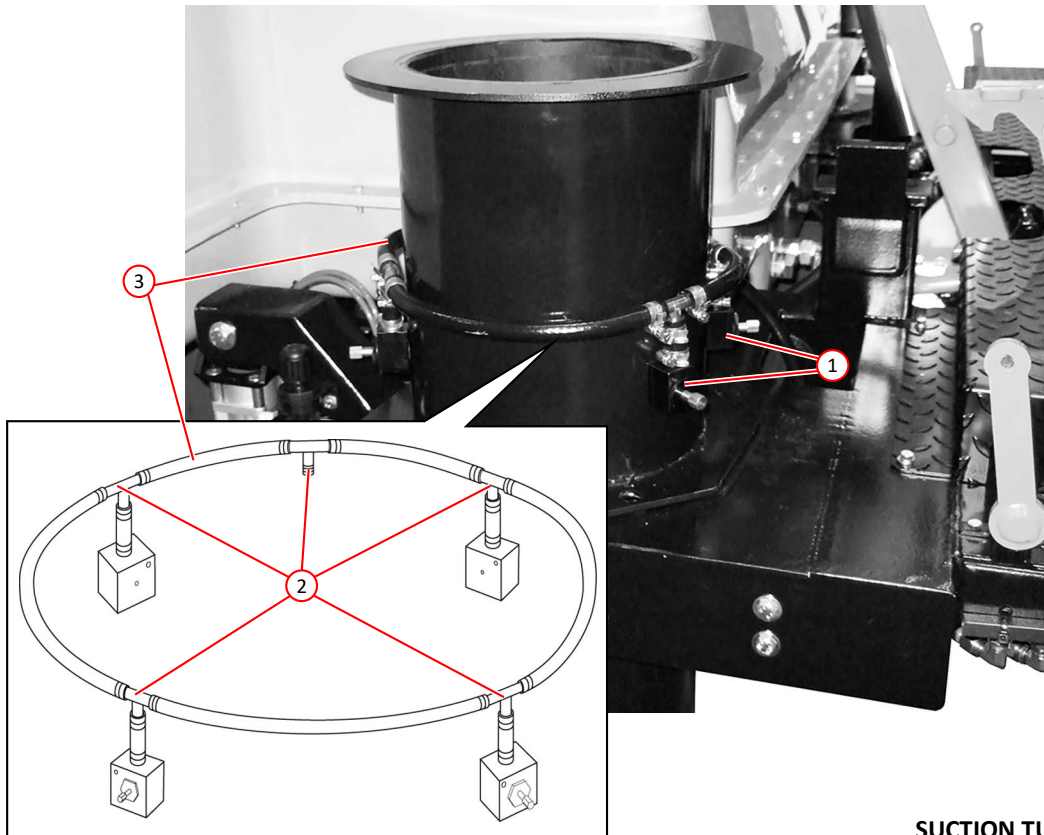
COMBINED HIGH & LOW PRESSURE FRONT SPRAY BAR ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Suction Nozzle Box - Dust Suppression			
1	013360	4	. Jet assembly
	011001	4	. . Bolt, M6 x 16mm
	003000	3	. . . Tee, brass, $\frac{3}{8}$ "
	010950	AR	. . . . Hose, plastic reinforced, $\frac{3}{8}$ "
	010516	11	. . . . . Clamp, hose, worm drive, 11-16mm

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Suction Tube - Dust Suppression			
1	013360	4	. Jet assembly
	011001	4	. . Bolt, M6 x 16mm
2	003000	5	. . . Tee, brass, $\frac{3}{8}$ "
3	010950	AR	. . . . Hose, plastic reinforced, $\frac{3}{8}$ "
	010516	18	. . . . . Clamp, hose, worm drive, 11-16mm



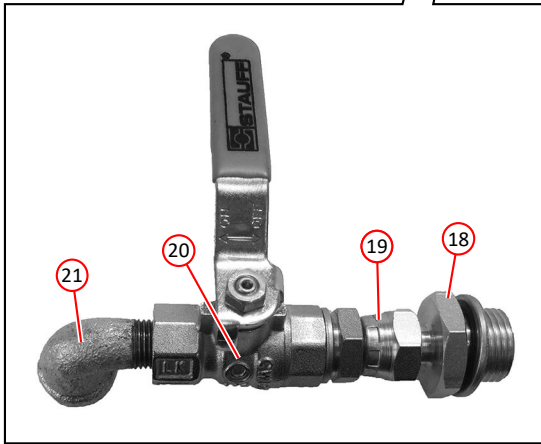
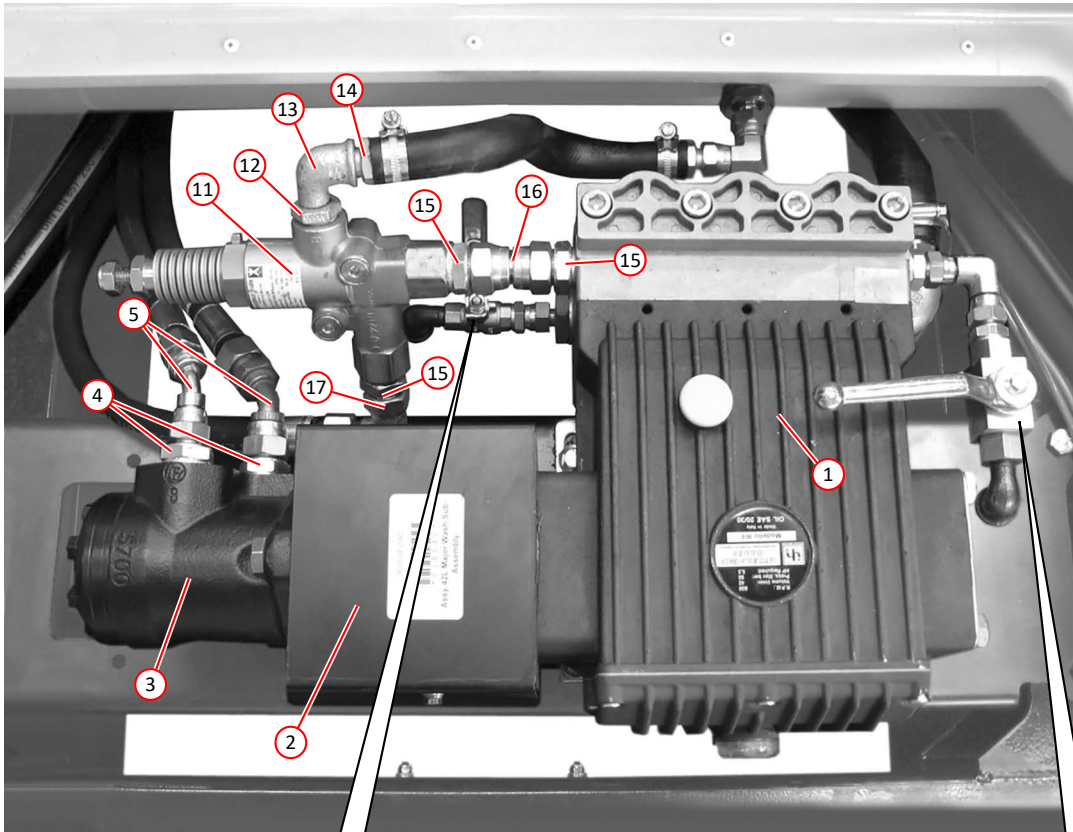
SUCTION NOZZLE BOX DUST SUPPRESSION



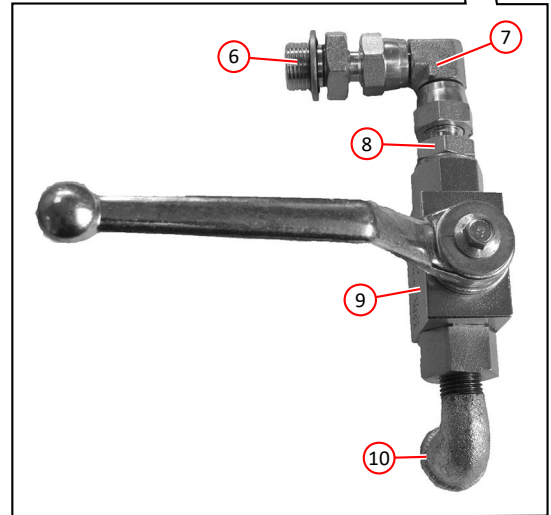
SUCTION TUBE DUST SUPPRESSION

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Automatic Hose Reel and Lance Assembly			
1	020451	1	. Automatic hose reel assembly (less hose)
2	024230	1	. . Elbow, swivel assembly
3	025238	1	. . Roller assembly
4	026753	1	. . Coiled spring
5	026217	1	. . Clamp
6	026754	1	. . Spring, tensioning
7	030570	1	. . Ratchet
8	034390	1	. . Bracket, hose reel
9	010748	1	. . Hand lance
10	025473	1	. . Holder, hand lance
11	012901	2	. . . U-clamp, 2
12	032265	1	. . . . Bracket, lance holder, short
13	032266	1	. . . . Bracket, lance holder, long
14	010601	13m	. . Hose, rubber, reinforced
15	011159	1	. . Adaptor, M/M, $\frac{3}{8}$ BSP

Item	Part Number	Quantity	Description
High Pressure Water Pump 42 LPM - Arrangement			
1	020308	1	. Pump, high-pressure, 42 litres/minute Page 192
NI	020311	1	. . Coupling half, 1 bore
NI	020309	1	. . Coupling half, 35 bore
NI	020312	1	. . Sleeve, coupling
2	020643	1	. . . Guard, coupling
3	013527	1	. . Motor, hydraulic, OMP50 Page 186
4	011167	2	. . . Adaptor, $\frac{1}{2}$ " BSP x $\frac{3}{8}$ " BSP
NI	011154	1	. . . . Seal, Dowty, $\frac{1}{2}$ " BSP
5	011172	2	. . . Elbow, swivel, M/F, $\frac{3}{8}$ " BSP
NI	020347	1	. . . Mounting bracket, motor
6	011199	1	. . Adaptor, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
NI	011153	1	. . . Seal, Dowty, $\frac{3}{8}$ " BSP
7	011169	1	. . . . Elbow, swivel, F/F, $\frac{1}{4}$ " BSP
8	011158	1	. . . . . Adaptor, M/M, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
NI	011152	1	. . . . . Seal, Dowty, $\frac{1}{4}$ " BSP
9	011257	1	. . . . . Valve, ball, pump high-pressure drain, $\frac{1}{4}$ " BSP
10	010910	1	. . . . . Elbow, galvanised, M/F, $\frac{1}{4}$ " BSP
11	022739	1	. . Valve, unloader, ($\frac{1}{2}$ " BSP ports)
12	010914	1	. . . Adaptor, reducing, $\frac{1}{2}$ " BSP x $\frac{3}{8}$ " BSP
13	010942	1	. . . . Elbow, galvanised, M/F, $\frac{1}{2}$ " BSP
14	010930	1	. . . . . Hose tail, $\frac{3}{8}$ " BSP x $\frac{5}{8}$ " BSP
15	011160	3	. . . Adaptor, M/M, $\frac{1}{2}$ " BSP x $\frac{1}{2}$ " BSP
NI	011154	3	. . . . Seal, Dowty, $\frac{1}{2}$ " BSP
16	011178	1	. . . . . Adaptor, F/F, $\frac{1}{2}$ " BSP
17	011173	1	. . . Elbow, swivel, F/F, $\frac{1}{2}$ " BSP
18	003006	1	. . Adaptor, galvanised, M/F, $\frac{3}{4}$ " BSP x $\frac{1}{4}$ " BSP
	011155	1	. . . Seal, Dowty, $\frac{3}{4}$ " BSP
19	010944	1	. . . . Adaptor, galvanised, M/M, $\frac{1}{4}$ " BSP
20	011743	1	. . . . . Valve, ball, pump low pressure drain, $\frac{1}{4}$ " BSP
21	010910	2	. . . . . Elbow, galvanised, M/F, $\frac{1}{4}$ " BSP



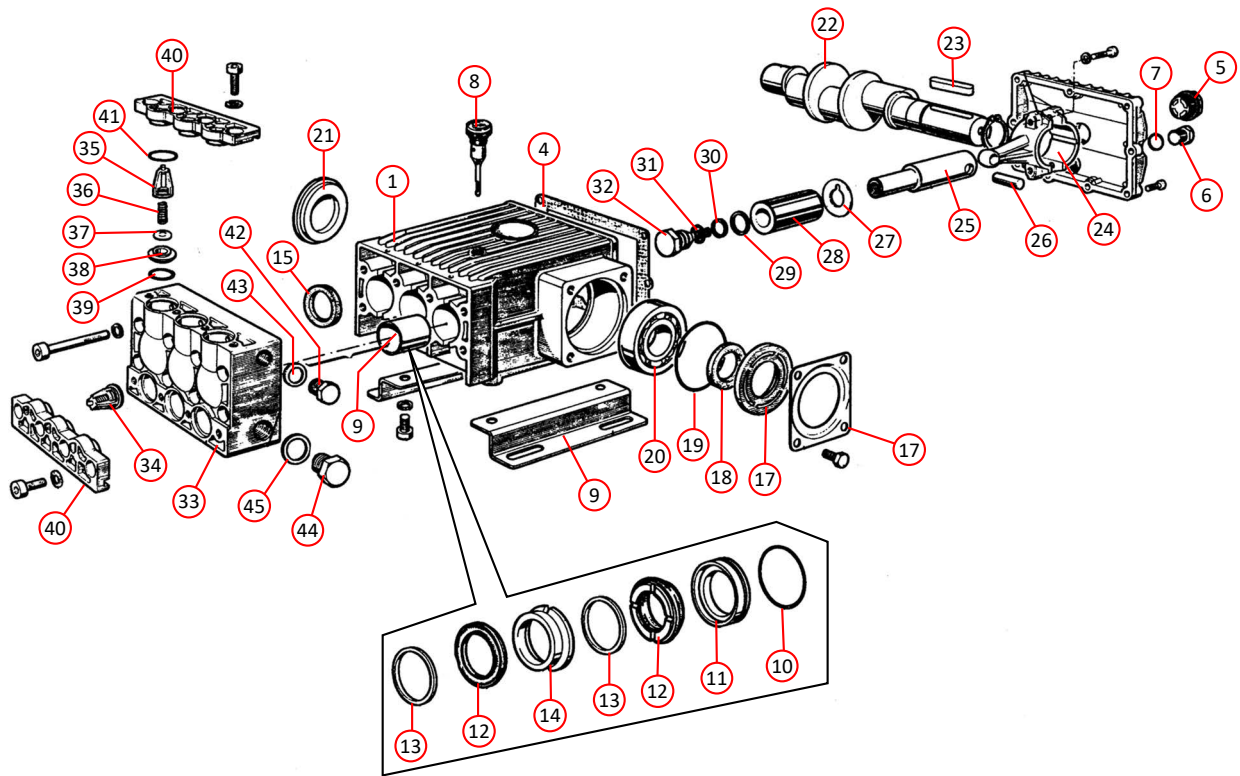
LOW PRESSURE DRAIN VALVE



HIGH PRESSURE DRAIN VALVE

HIGH PRESSURE WATER PUMP 42 LPM - ARRANGEMENT

Item	Part Number	Quantity	Description
High Pressure Water Pump 42 LPM - Components			
1	022110	1	Crankcase
2	022136	2	. Foot
	022139	4	. . Bolt
	022138	4	. . Washer
3	022119	1	. Rear cover
	022126	9	. . Bolt
4	022112	1	. . Gasket, rear cover
5	022124	1	. . Oil sight glass
6	022125	1	. . Plug $\frac{3}{8}$ BSPM x 13mm
7	022123	1	. . . O-Ring
8	022111	1	. Dipstick
9	022137	3	. Cylinder guide
10	022144	3	. O-Ring
11	022145	3	. Oil seal
12	022146	6	. Oil seal
13	022147	6	. Oil seal
14	022148	3	. Collar
15	022109	3	. Oil seal
16	022131	2	. Crankcase cover, bearing assembly
	022130	8	. . Bolt
17	022132	1	. Spacer
18	022133	1	. Seal
19	022134	2	. O-Ring
20	022135	2	. Bearing
21	022151	1	. Spacer
22	022118	1	. Crankshaft
23	022149	1	. . Key
	022150	1	. . Circlip
24	022120	3	. . Connecting rod
25	022128	3	. . . Piston guide
26	022127	3	. . . . Pin
27	022129	3	. . . . Washer
28	022117	3	. . . . Piston
29	022116	3	. . . . Washer
30	022115	3	. . . . Washer
31	022114	3	. . . . O-Ring
32	022113	3	. . . . . Piston bolt
33	022143	1	. Head
	022098	8	. . Bolt, M10 x 80mm
	022099	8	. . Washer
34	022105	6	. . Valve, complete
35	022104	6	. . . Valve
36	022103	6	. . . Spring
37	022102	6	. . . Valve ring
38	022101	6	. . . Valve seat
39	022100	6	. . . O-Ring
40	022107	2	. . Cover
	022108	4	. . . Bolt
	022099	4	. . . Washer
41	022106	6	. . . O-Ring
42	022125	2	. . Plug $\frac{3}{8}$ BSPM x 13mm
43	022142	1	. . . Washer
44	022140	1	. . Plug
45	022141	1	. . . Washer



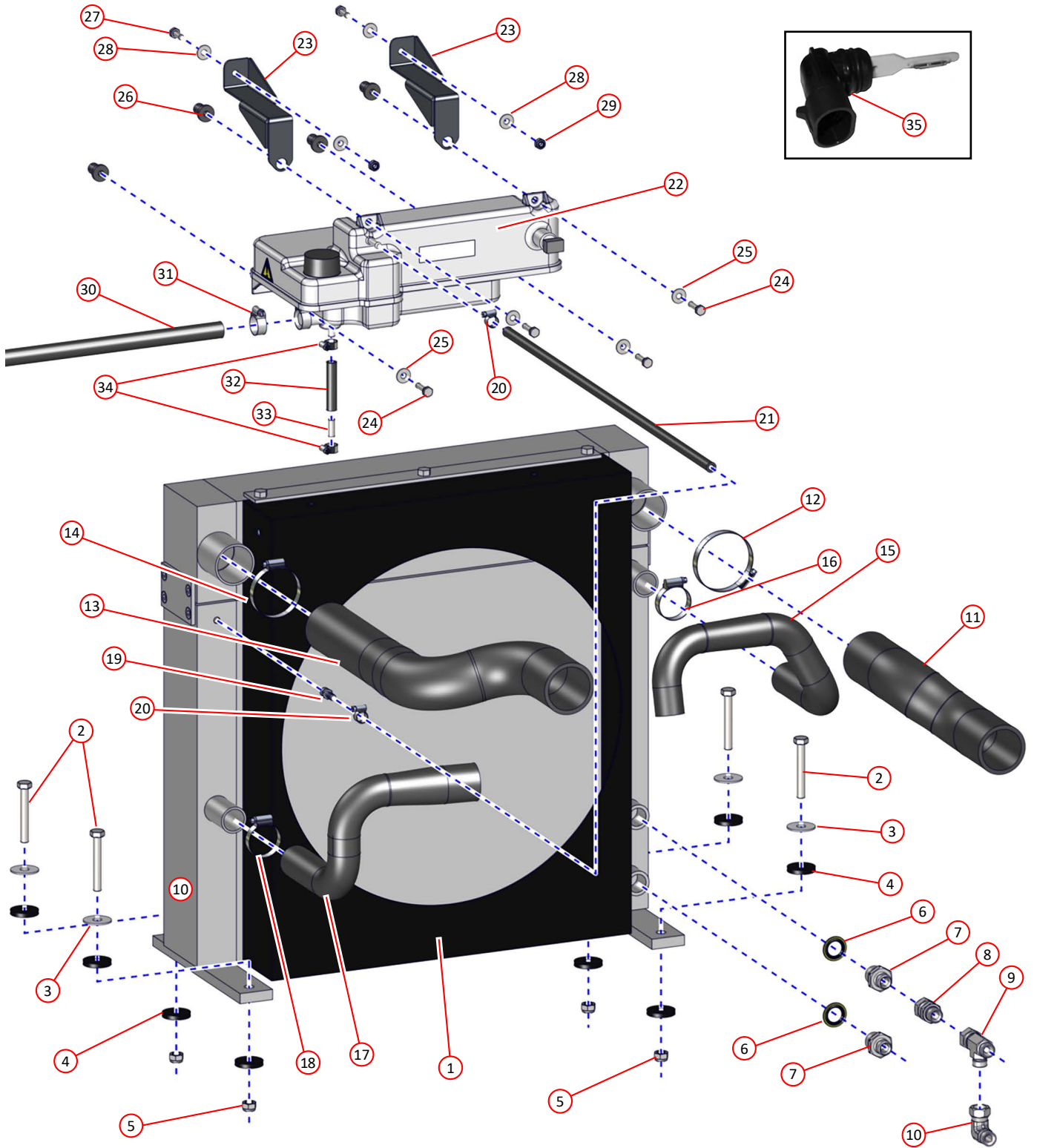
HIGH PRESSURE WATER PUMP 42 LPM - COMPONENTS

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
High Pressure Water Pump 42 LPM - Seal Kits			
NI	022152	1	. Kit No 32 , Comprising 2 x Item 18
NI	022153	1	. Kit No 37 , Comprising 3 x Item 15
NI	022154	1	. Kit No 38 , Comprising 3 x Item 12
NI	022155	1	. Kit No 39 , Comprising 1 x Items 10, 11, 12, 13 & 14
NI	022156	1	. Kit No 40 , Comprising 3 x Items 10 & 11
NI	022157	1	. Kit No 41 , Comprising 6 x Item 13
NI	022158	1	. Kit No 42 , Comprising 6 x Item 14
NI	022159	1	. Kit No 62 , Comprising 6 x Items 35, 36, 37, 38 & 39
NI	022160	1	. Kit No 74 , Comprising 3 x Items 29, 30, 31 & 32

Hydraulics

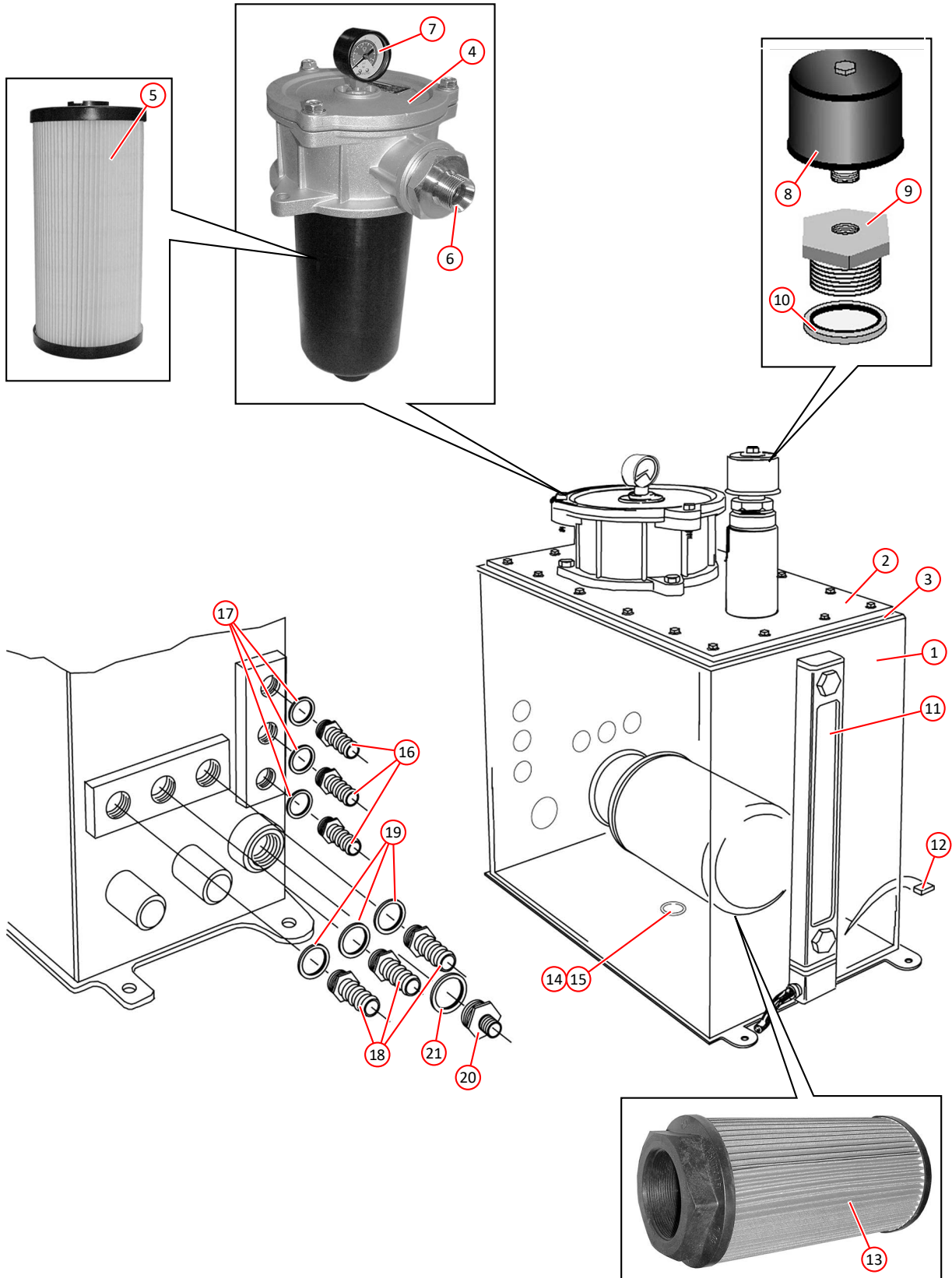
<i>Description</i>	<i>Page</i>
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<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Combined Radiator/Oil Cooler			
1	033711	1	Combined radiator/oil cooler matrix Page 16
2	000110	4	Bolt, M12 x 80mm
3	013448	4	Washer
4	012969	8	Washer, rubber
5	011077	4	Nut, M12, Nyloc
6	002082	2	Dowty seal M6
7	002074	2	Adaptor, 26mm x $\frac{1}{2}$ " BSP
8	011177	1	Adaptor, swivel, M/F, $\frac{1}{2}$ " BSP
9	011182	1	Tee, nut on run, $\frac{1}{2}$ " BSP
10	011173	1	Elbow, swivel, M/F, $\frac{1}{2}$ " BSP
11	033590	1	Intercooler hose A
12	012931	1	Clamp, worm drive, No. 4, 70- 90mm
13	033591	1	Intercooler hose B
14	010595	1	Clamp, worm drive, No. 3, 55-70mm
15	033593	1	Coolant hose B
16	003007	1	Clamp, worm drive, Np. 2A, 35-50mm
17	033592	1	Coolant hose A
18	003007	1	Clamp, worm drive, No. 2A, 35-50mm
19	006044	1	Adapter, male, $\frac{1}{4}$ " BSP x 8mm hose tail
20	010516	1	Clamp, worm drive, No. M00, 11-16mm
21	001035	AR	Hose, 8mm
22	034954	1	Expansion tank Page 16
23	040605		Mounting bracket, expansion tank
24	011012	4	Set screw M8 x 30
25	011092	4	Plain washer M6
26	039932	4	Flex-Loc anti-vibration fastener M8
27	011010	2	Set screw M8 x20
28	011092	4	Plain washer M8
29	011073	2	Nyloc nut M8
30	002188	AR	Hose $\frac{3}{4}$ " R6
31	003019	1	Clamp, worm drive, No. 2A, 22-30mm
32	001035	AR	Hose, 8mm
33	028022	1	Hose blank, HOSE BLANK $\frac{3}{8}$ "
34	010516	1	Clamp, worm drive, No. M00, 11-16mm
35	037226	1	Fluid level sensor, located in bottom of expansion tank Page 212



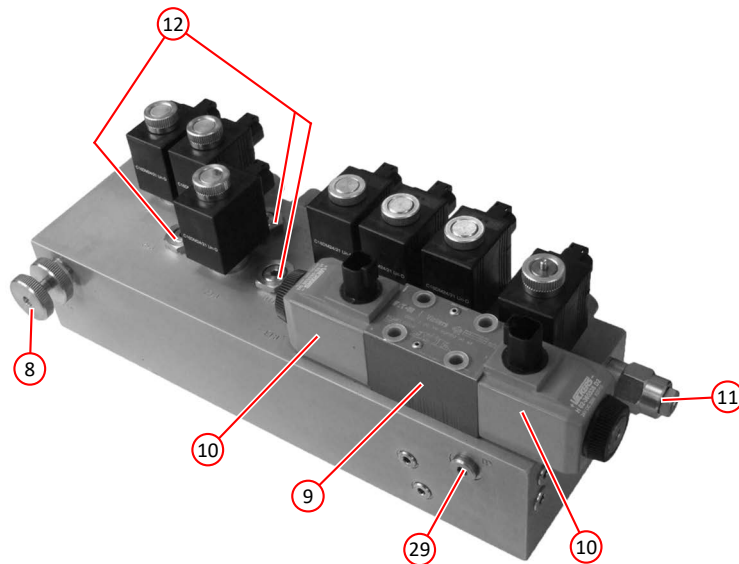
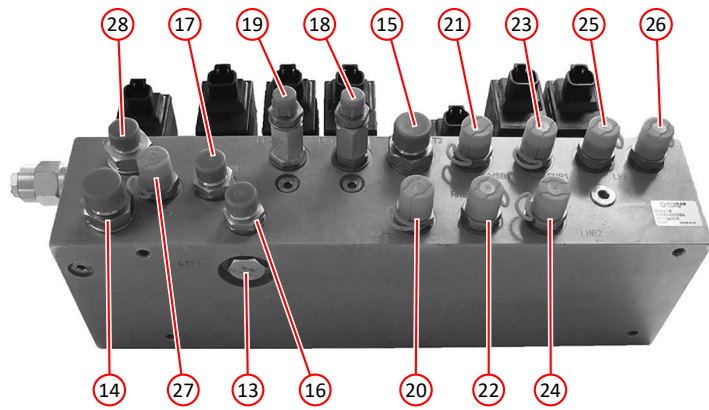
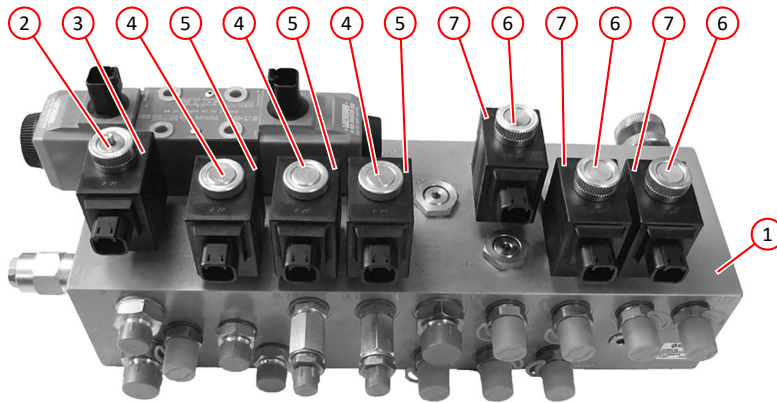
COMBINED RADIATOR/OIL COOLER

Item	Part Number	Quantity	Description
Hydraulic Oil Tank Arrangement			
1	034328	1	. Tank, hydraulic oil Page 24, 192
	011031	4	. . Setscrew, M10 x 30mm
	011075	4	. . Nut, M10, Nyloc
2	034329	1	. . Lid, oil tank
3	034602	1	. . . Gasket, oil tank lid
	011067	18	. . . . Setscrew, M6 x 20mm
	000339	18	. . . . Washer, shake-proof, M6
4	013123	1	. . Filter, return Page 180
NI	024405	1	. . . Seal kit, return filter
5	013125	1	. . . Element, return filter
	011032	3	. . . . Setscrew, M10 x 30mm
	011075	3	. . . . Nut, M10, Nyloc
6	011184	1	. . . Adaptor, M/M, 1 ¹ / ₄ " BSP x 3 ³ / ₄ " BSP
NI	011150	1	. . . . Seal, Dowty, 1 ¹ / ₄ " BSP
NI	011174	1	. . . Elbow, swivel, 90° x 3 ³ / ₄ " BSP
7	021719	1	. . . Gauge, pressure, return filter
8	020688	1	. . Oil filler/breather
9	020689	1	. . . Plug, filler/breather, 1" BSP
10	011156	1	. . . . Seal, Dowty, 1" BSP
11	024039	1	. . Gauge, fluid level, complete with fixing screws
NI	021979	2	. . . Washer, sealing, rubber
12	010305	1	. . Magnet
13	020687	1	. . Element, suction filter
14	011244	1	. . . Plug, 3 ³ / ₄ " BSP
15	011155	1	. . . . Seal, Dowty, 3 ³ / ₄ " BSP
16	010923	3	. . Hose tail, 3 ³ / ₈ " BSP x 3 ³ / ₈ " hose
17	011153	3	. . . Seal, Dowty, 3 ³ / ₈ " BSP
18	002159	3	. . Hose tail, 1 ¹ / ₂ " BSP x 5 ⁵ / ₈ " hose
19	011154	3	. . . Seal, Dowty, 1 ¹ / ₂ " BSP
20	011164	1	. . Adaptor, M/M, 3 ³ / ₄ " BSP x 1 ¹ / ₄ " BSP
21	011155	1	. . . Seal, Dowty, 1 ¹ / ₂ " BSP



HYDRAULIC OIL TANK ARRANGEMENT

Item	Part Number	Quantity	Description
Valve Block - Main Control			
1	038218	1	. Valve block - main control Page 192
2	034969	1	. . Solenoid valve, S501N-3-B5G
3	038987	1	. . . Coil, 24V DC, C16DM24/21
NI	034971	1	. . . . Seal kit, SK1028
4	034979	3	. . Solenoid valve, S502N
5	038987	3	. . . Coil, 24V DC, C16DM24/21
NI	034971	3	. . . . Seal kit, SK1028
6	034976	3	. . Solenoid valve, S501N
7	038987	3	. . . Coil, 24V DC, C16DM24/21
NI	034971	3	. . . . Seal kit, SK1028
8	034974	1	. . Hand wheel adjuster, AXP 3945-30
NI	034975	1	. . . Seal kit, SK118
9	038232	1	. . Directional control valve, DG4V-3-2C-VM-KUP 5D 2-H7-60
10	038233	2	. . . Coil, 24V DC, 02-365538
11	034967	1	. . Relief valve, 1DR30-P-20S
NI	034968	1	. . . Seal kit, SK243
12	034977	3	. . Check cartridge, 3CA80-3.5S
NI	034978	3	. . . Seal kit, SK226
13	034980	1	. . Check cartridge, 3CA20-0.5S
NI	034981	1	. . . Seal kit, SK396
14	002174	1	. . Adaptor, M20 x 1.5 x $\frac{1}{2}$ " BSP (Port T1)
NI	011267	1	. . . Seal, Dowty, M20
NI	011235	1	. . . Hose tail, $\frac{1}{2}$ " BSP x $\frac{5}{8}$ " hose
15	002174	1	. . Adaptor, M20 x 1.5 x $\frac{1}{2}$ " BSP (Port T2)
NI	011267	1	. . . Seal, Dowty, M20
16	011186	1	. . Adaptor, M16 x 1.5 x $\frac{3}{8}$ " BSP (Port HL)
NI	011217	1	. . . Seal, Dowty, M16
17	011186	1	. . Adaptor, M16 x 1.5 x $\frac{3}{8}$ " BSP (Port HP)
NI	011217	1	. . . Seal, Dowty, M16
18	002176	1	. . Adaptor, fixed, M/F, M16 x 1.5 x $\frac{1}{4}$ " BSP (Port BL1)
NI	011217	1	. . . Seal, Dowty, M16
NI	020902	1	. . . Stud, male, $\frac{1}{4}$ " BSP x 6mm pipe
19	002176	1	. . Adaptor, fixed, M/F, M16 x 1.5 x $\frac{1}{4}$ " BSP (Port BL2)
NI	011217	1	. . . Seal, Dowty, M16
NI	020902	1	. . . Stud, male, $\frac{1}{4}$ " BSP x 6mm
20	002175	1	. . Stud, male, M16 x 1.5 x 12mm pipe (Port WSB2)
NI	011217	1	. . . Seal, Dowty, M16
21	002175	1	. . Stud, male, M16 x 1.5 x 12mm (Port WSB1)
NI	011217	1	. . . Seal, Dowty, M16
22	002175	1	. . Stud, male, M16 x 1.5 x 12mm pipe (Port RHB2)
NI	011217	1	. . . Seal, Dowty, M16
23	002175	1	. . Stud, male, M16 x 1.5 x 12mm pipe (Port RHB1)
NI	011217	1	. . . Seal, Dowty, M16
24	002175	1	. . Stud, male, M16 x 1.5 x 12mm pipe (Port LHB2)
NI	011217	1	. . . Seal, Dowty, M16
25	002175	1	. . Stud, male, M16 x 1.5 x 12mm pipe (Port LHB1)
NI	011217	1	. . . Seal, Dowty, M16
26	002175	1	. . Stud, male, M16 x 1.5 x 12mm pipe (Port LP2)
NI	011217	1	. . . Seal, Dowty, M16
27	002175	1	. . Stud, male, M16 x 1.5 x 12mm pipe (Port LP1)
NI	011217	1	. . . Seal, Dowty, M16
28	011266	1	. . Adaptor, M20 x 1.5 x $\frac{3}{8}$ " BSP (Port P)
NI	011267	8	. . . Seal, Dowty, M20
29	035350	1	. . Port plug, M12 x 1.5 (Port TP)

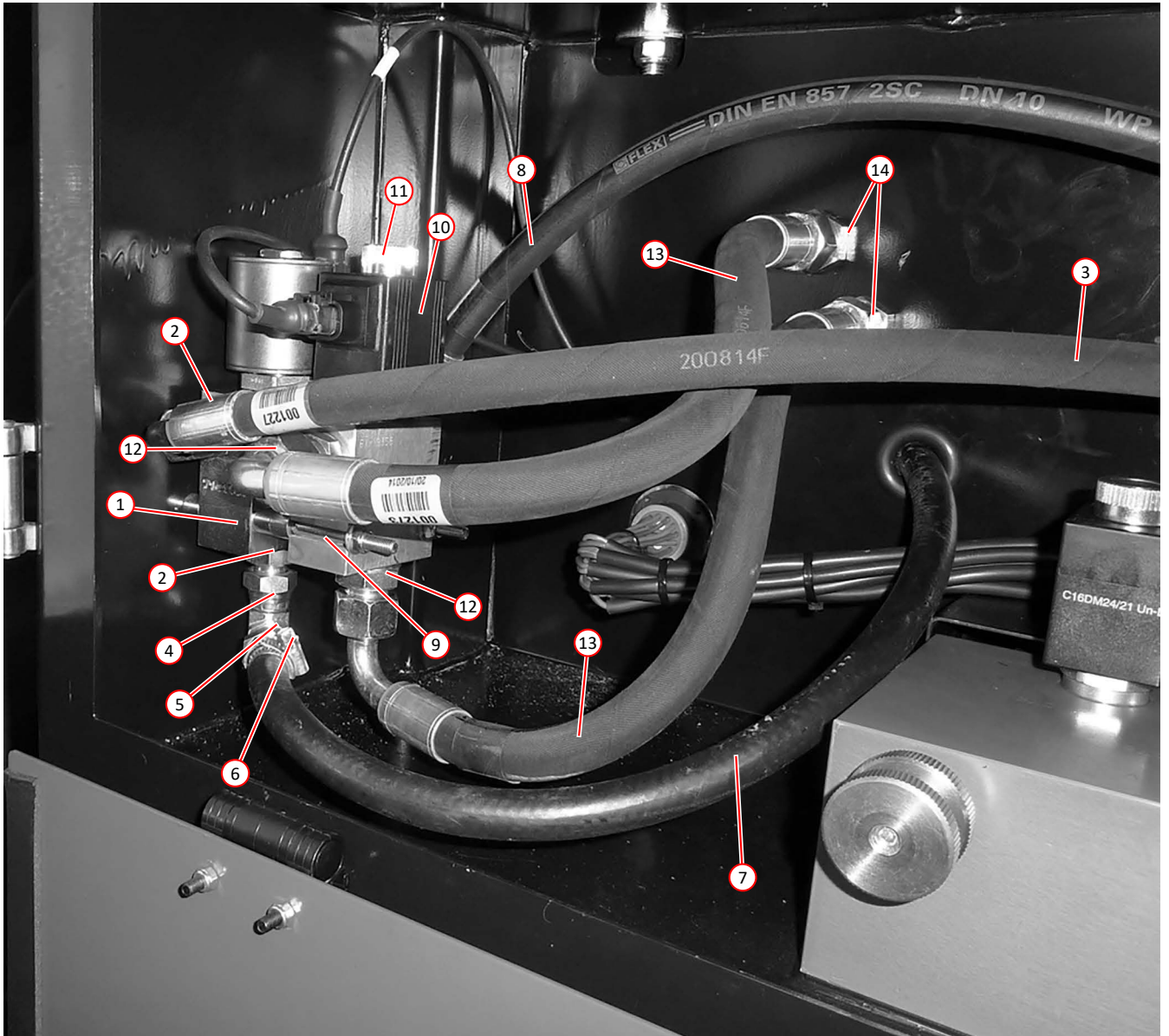


MAIN CONTROL VALVE BLOCK

Item	Part Number	Quantity	Description
Suction Nozzle Tilt and Sweep Wash Valves *			
1	041953	1	Suction nozzle tilt control valve Page 194
2	011159	3	Adaptor, M/M, $\frac{3}{8}$ " BSP
	011153	3	Dowty seal, $\frac{3}{8}$ " BSP
3	001227	1	Hose $\frac{3}{8}$ " x 680mm BSP (straight/90°) ends
NI	011172	1	Swivel elbow, $\frac{3}{8}$ " BSP
NI	02008	1	Bulkhead adaptor, $\frac{3}{8}$ " BSP
4	011172	1	Elbow, M/M, $\frac{3}{8}$ " BSP
5	010923	1	Adaptor, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " hosetail
6	010517	1	Hose clamp, worm drive, 18-25mm
7	010958	AR	Hose $\frac{3}{8}$ " bore
8	001227	1	Hose $\frac{3}{8}$ " x 680mm BSP (straight/90°) ends
NI	011172	1	Swivel elbow, $\frac{3}{8}$ " BSP
NI	02008	1	Bulkhead adaptor, $\frac{3}{8}$ " BSP
9	038231	1	Sweep wash control valve
10	036921	1	Coil,
11	034969	1	Cartridge,
12	011160	2	Adaptor, M/M, $\frac{1}{2}$ " BSP
	011154	2	Dowty seal, $\frac{1}{2}$ " BSP
13	001273	2	Hose, $\frac{1}{2}$ " x 410mm BSP (straight/90°) ends
14	011268	2	Bulkhead adaptor, $\frac{1}{2}$ " BSP

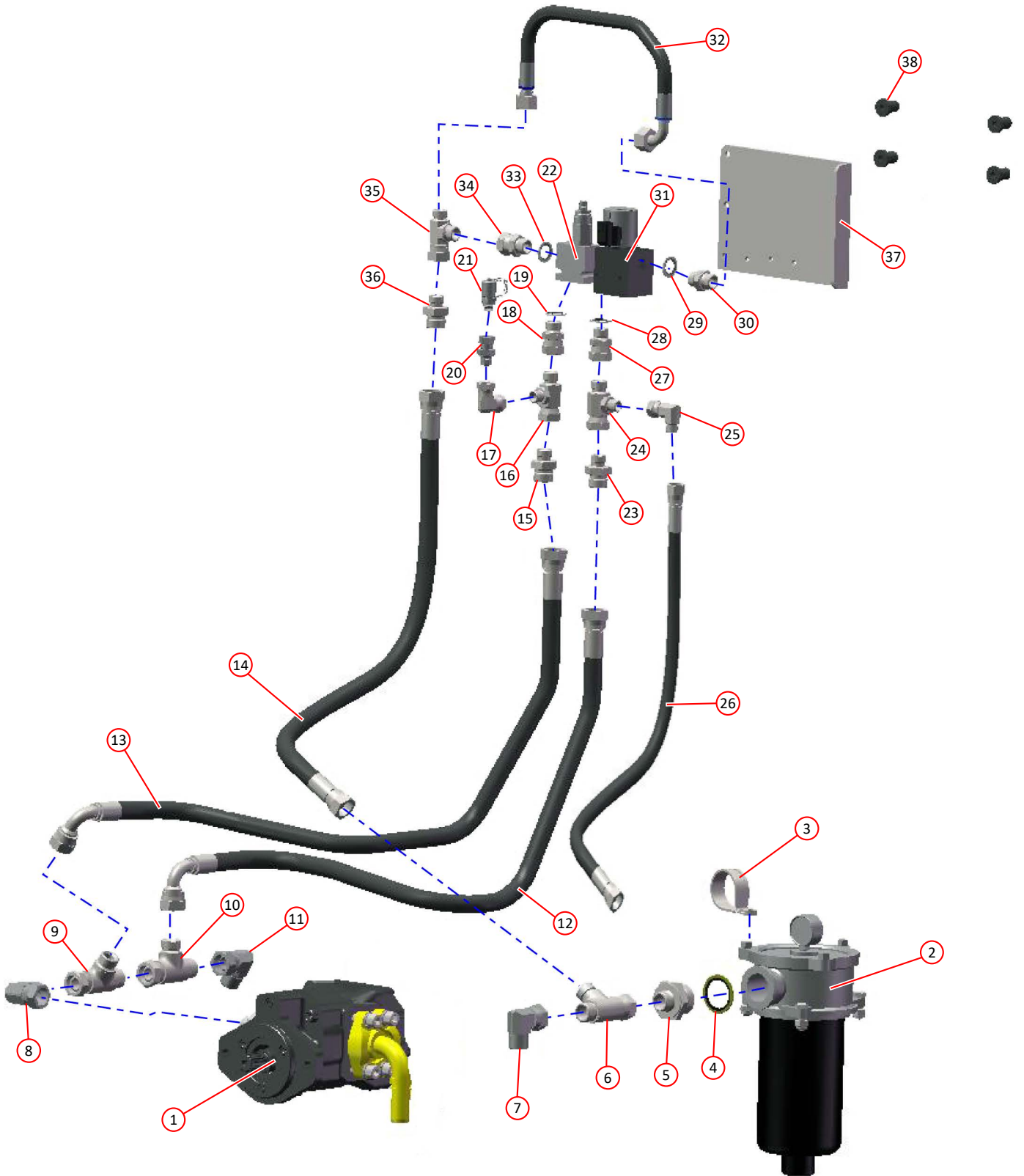
Notes:-

* Sweep wash is an optional system.



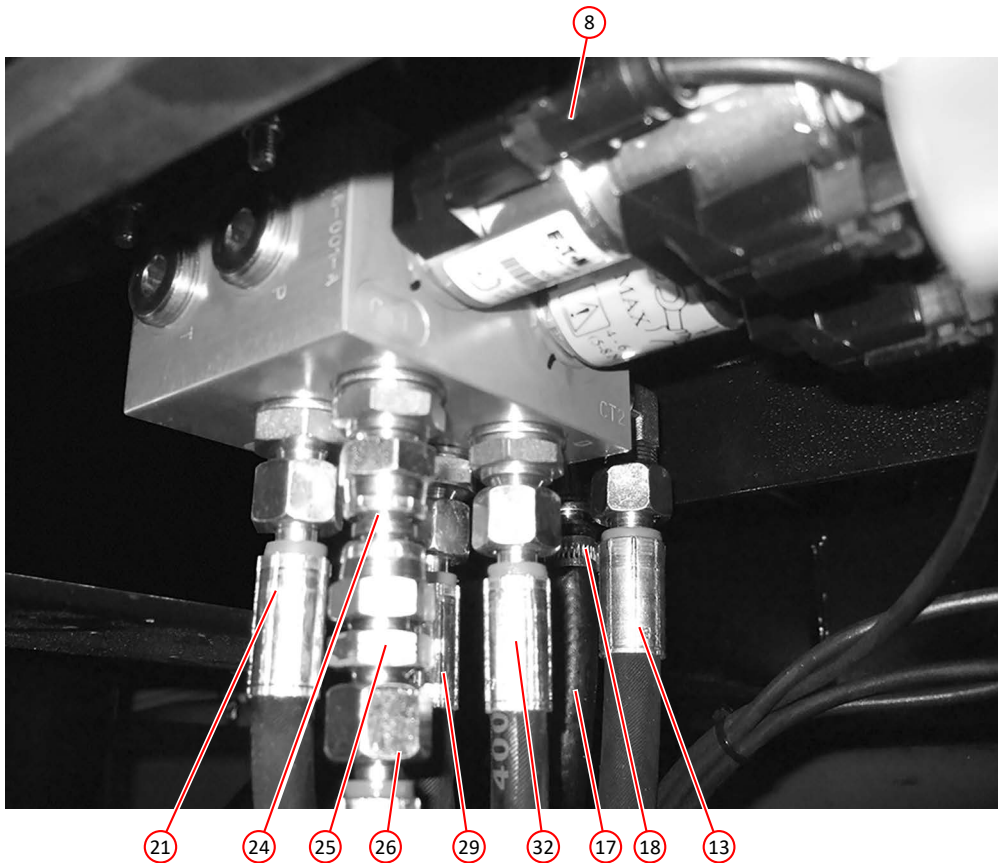
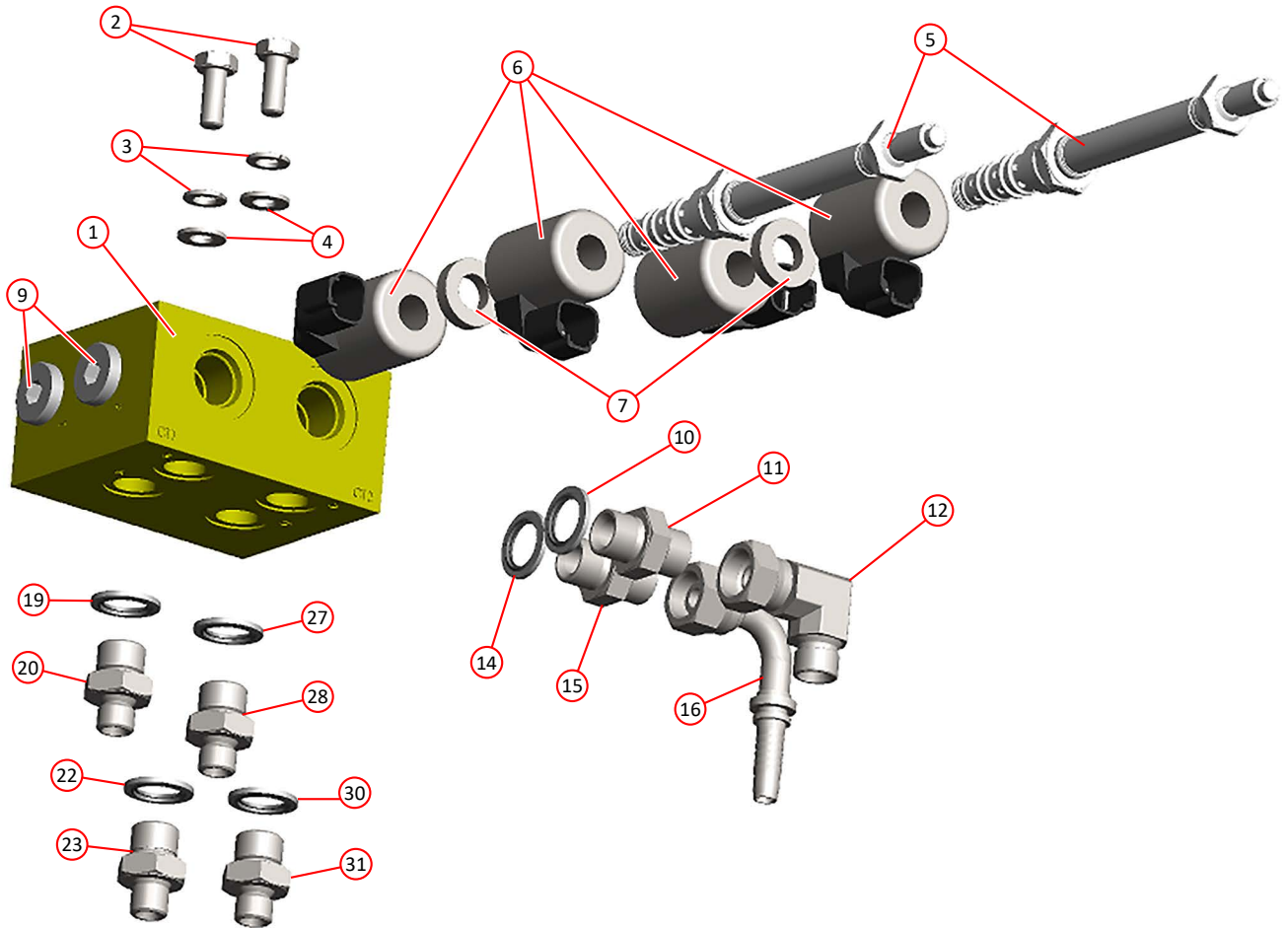
SUCTION NOZZLE TILT AND SWEEP WASH VALVES

Item	Part Number	Quantity	Description
Fan Circuit Relief and Dump Valves			
1	043301	1	Suction fan pump Page 184
2	013123	1	Return filter Page 174
3	005055	1	Pipe clip, Ø50mm
4	011150	1	Dowty seal, 1 ¹ / ₄ " BSP
5	011184	1	Adaptor, M/M, 1 ¹ / ₄ " x 3 ³ / ₄ " BSP
6	011197	1	T-junction, nut on run, 3 ³ / ₄ " BSP
7	011174	1	Swivel elbow, 3 ³ / ₄ " BSP
8	011174	1	Swivel elbow, 3 ³ / ₄ " BSP
9	011197	1	T-junction, nut on run, 3 ³ / ₄ " BSP
10	011197	1	T-junction, nut on run, 3 ³ / ₄ " BSP
11	011174	1	Swivel elbow, 3 ³ / ₄ " BSP
12	001126	1	Hose, 5 ⁵ / ₈ " x 800mm, 3 ³ / ₄ " BSP (straight/90°) ends
13	001280	1	Hose, 5 ⁵ / ₈ " x 960mm, 3 ³ / ₄ " BSP (straight/90°) ends
14	001049	1	Hose, 5 ⁵ / ₈ " x 800mm, 3 ³ / ₄ " BSP (straight/90°) ends
15	011166	1	Adaptor, M/M, 3 ³ / ₄ " x 1 ¹ / ₂ " BSP
16	002110	1	T-junction, M/F/M, 1 ¹ / ₂ " BSP x 1 ¹ / ₂ " BSP x 3 ³ / ₈ " BSP, reducer on branch
17	011205	1	Swivel elbow, F/F, 3 ³ / ₈ " BSP
18	011177	1	Adaptor, M/F, 1 ¹ / ₂ " BSP
19	011154	1	Dowty seal, 1 ¹ / ₂ " BSP
20	002215	1	Swivel adaptor, M/F, 3 ³ / ₈ " BSP x 1 ¹ / ₄ " BSP
21	013036	1	Test point, 1 ¹ / ₄ " BSP
22	041951	1	Relief valve, fan Circuit
NI	000011	2	Bolt, M6 x 60
NI	011090	4	Washer, M6
NI	011071	2	Nut, N6, Nyloc
23	011166	1	Adaptor, M/M, 3 ³ / ₄ " x 1 ¹ / ₂ " BSP
24	002110	1	T-junction, M/F/M, 1 ¹ / ₂ " BSP x 1 ¹ / ₂ " BSP x 3 ³ / ₈ " BSP, reducer on branch
25	011172	1	Swivel elbow, 3 ³ / ₈ " BSP
26	001009	1	Hose, 3 ³ / ₈ " x 2200mm, 3 ³ / ₈ " BSP straight ends (to suction nozzle tilt valve)
27	011177	1	Adaptor, M/F, 1 ¹ / ₂ " BSP
28	011154	1	Dowty seal, 1 ¹ / ₂ " BSP
29	011154	1	Dowty seal, 1 ¹ / ₂ " BSP
30	011160	1	Adaptor, M/M, 1 ¹ / ₂ " BSP
31	041952	1	Dump valve, fan circuit
NI	000011	2	Bolt, M6 x 60
NI	011090	4	Washer, M6
NI	011071	2	Nut, N6, Nyloc
32	001075	1	Hose, 1 ¹ / ₂ " x 500mm, 1 ¹ / ₂ " BSP (straight/90°) ends
33	011154	1	Dowty seal, 1 ¹ / ₂ " BSP
34	011177	1	Adaptor, M/F, 1 ¹ / ₂ " BSP
35	011182	1	T-junction, nut on run, 1 ¹ / ₂ " BSP
36	011166	1	Adaptor, M/M, 3 ³ / ₄ " x 1 ¹ / ₂ " BSP
37	042491	1	Fan circuit valves mounting bracket
38	039932	4	Flex-Loc ant-vibration faster, M8
NI	011092	4	Washer, M8
NI	011012	4	Bolt, M8 x 30



FAN CIRCUIT RELIEF AND DUMP VALVES

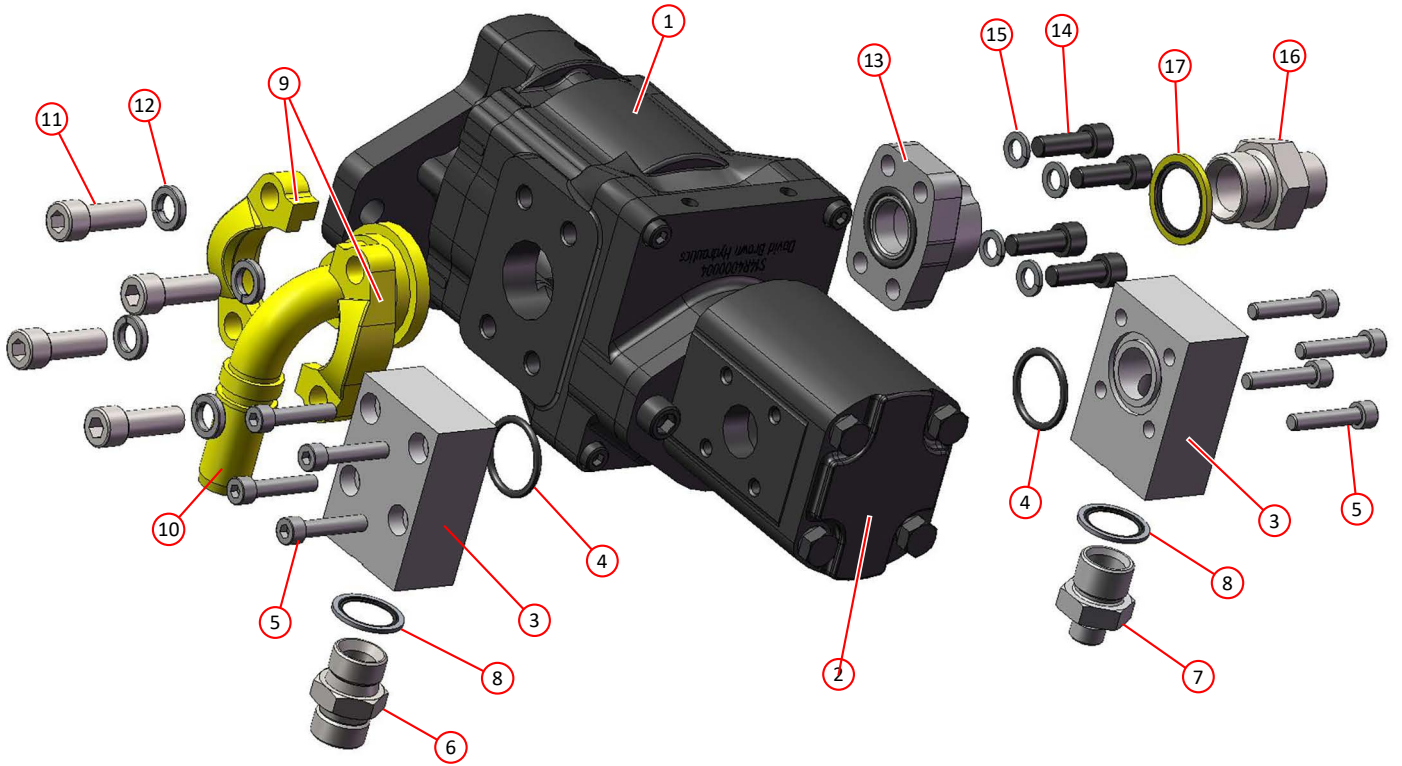
Item	Part Number	Quantity	Description
Hopper Control Valve Block			
1	039703	1	Hopper controls valve block Page 192
2	000136	2	Screw, socket cap, M8 x 16mm
2	001193	2	Spring washer, M8
4	001192	2	Plain washer, M8
5	039746	2	Solenoid valve
6	039747	4	24VDC coil with diode
7	039748	2	Coil spacer
8	039705	4	M12 plug with cable and Deutsch DT 2way, 3m Page 212
9	011242	4	Plug, $\frac{3}{8}$ " BSP (other 2 are on face opposite coils/solenoids)
10	011153	1	Seal, Dowty, $\frac{3}{8}$ " BSP
11	011159	1	Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " BSP
12	002148	1	Elbow, swivel, M/F, $\frac{3}{8}$ " BSP
13	011308	1	Hose, rubber, $\frac{3}{8}$ " BSP x 500mm (PORT P, main valve block/hand pump)
114	011153	1	Seal, Dowty, $\frac{3}{8}$ " BSP
15	011159	1	Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " BSP
16	002048	1	Elbow, swivel, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " hose
17	010958	AR	Hose, rubber, $\frac{3}{8}$ " bore (PORT T, to return)
18	010517	1	Clamp, hose, worm drive, 18-25mm
19	011153	1	Seal, Dowty, $\frac{3}{8}$ " BSP
20	011199	1	Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
21	011329	1	Hose, $\frac{1}{4}$ " BSP x 1200mm (PORT A, door open)
22	011153	1	Seal, Dowty, $\frac{3}{8}$ " BSP
23	011199	1	Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
24	011219	1	Adaptor, swivel, F/F, $\frac{1}{4}$ " BSP
25	040217	1	Restrictor, $\frac{1}{4}$ " x $\frac{3}{8}$ " BSP ($\frac{3}{64}$ " Orange)
26	011329	1	Hose, $\frac{1}{4}$ " BSP x 1200mm (PORT B, door close)
27	011153	1	Seal, Dowty, $\frac{3}{8}$ " BSP
28	011199	1	Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
29	001002	1	Hose, $\frac{1}{4}$ " BSP x 3700mm (PORT C, hopper open)
30	011153	1	Seal, Dowty, $\frac{3}{8}$ " BSP
31	011199	1	Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
32	001002	1	Hose, $\frac{1}{4}$ " BSP x 3700mm (PORT D, hopper close)



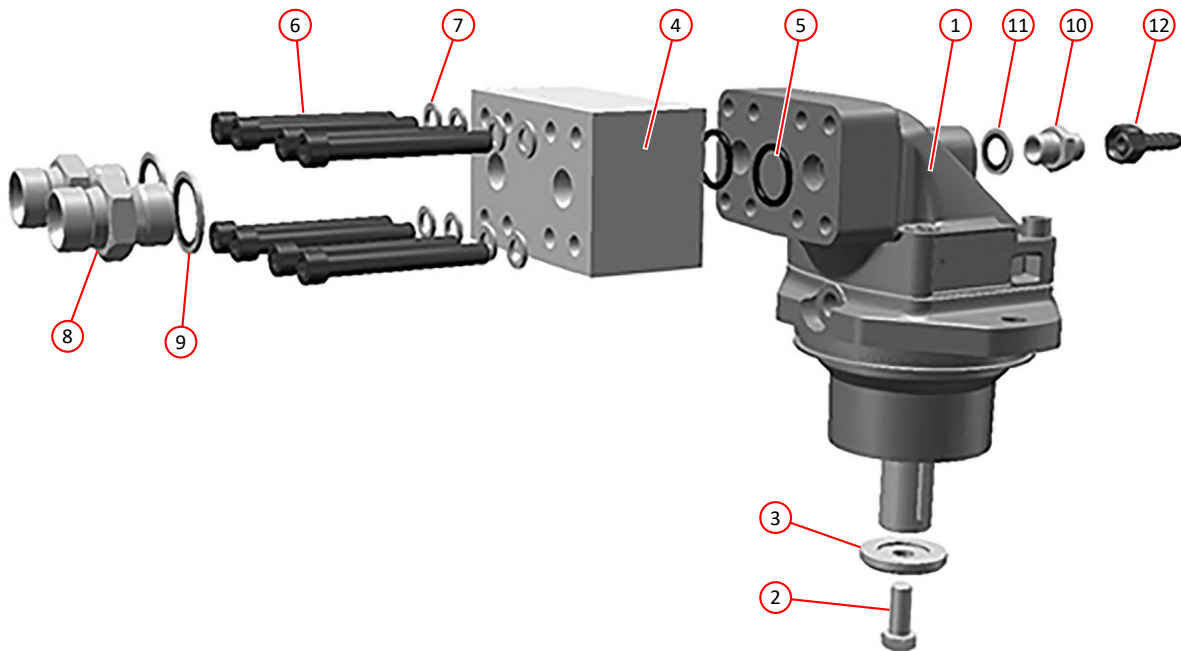
HOPPER CONTROLS VALVE BLOCK

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Suction Fan Pump and Gear Pump Arrangement			
1	043301	1	Suction fan pump Page 180,194
2	034268	1	Gear pump 19.2cc Page 192
3	026335	2	Adaptor block
4	013517	2	O Ring, 1 SAE BS 219 NI
5	000096	8	Socket cap screw, M8 x 40
6	011161	1	Adaptor, M/M, $\frac{3}{4}$ " BSP
7	011224	1	Adaptor, M/M, 1 x $\frac{3}{8}$ " BSP
8	011155	2	Dowty seal, $\frac{3}{4}$ " BSP
9	011230	2	Flange $1\frac{1}{2}$ " SAE split
10	011231	1	Elbow $1\frac{1}{2}$ " SAE x 1" hose
11	011108	4	Socket cap screw, $\frac{1}{2}$ " UNC x $1\frac{1}{2}$ "
12	011046	4	Spring washer $\frac{1}{2}$ " HP
13	014105	1	Flange 1" SAE x 1" BSP
14	011408	4	Socket cap screw, M10 x 30
15	011095	4	Spring washer, M10
16	011193	1	Adaptor, M/M, 1 x $\frac{3}{4}$ " BSP
17	011156	1	Dowty seal, 1" BSP
*	042187	1	Suction fan pump and gear pump assembly, includes items 1 and 2 above . . . Page 180,194

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Suction Fan Motor Assembly			
1	024641	1	Motor, hydraulic, fan, VOAC F12-030-MF-CH-K Page 34,194
NI	000343	2	. Bolt, socket cap, M14 x 50mm
NI	011127	2	. . Nut, M14, Nyloc
2	011052	1	. Fan mounting bolt, M12 x 30mm
3	024791	1	. . Cap washer VOAC motor
4	035967	1	. Valve block assembly
5	013523	2	. . O-ring, ϕ 25mm ID
6	000048	8	. . Screw, socket cap head, M10 x 80mm
7	011095	8	. . . Spring washer, M10
8	011151	2	. . Adaptor, M/M, $\frac{3}{4}$ " BSP
9	011155	2	. . . Seal, Dowty, $\frac{3}{4}$ " BSP
10	011248	1	. . Adaptor, M18 x $\frac{3}{8}$ " BSP
11	011247	1	. . . Seal, Dowty, M18
12	010921	1	. . . Hose tail, $\frac{3}{8}$ " BSP nut x $\frac{3}{8}$ " hose



GEAR AND SUCTION FAN PUMP ARRANGEMENT



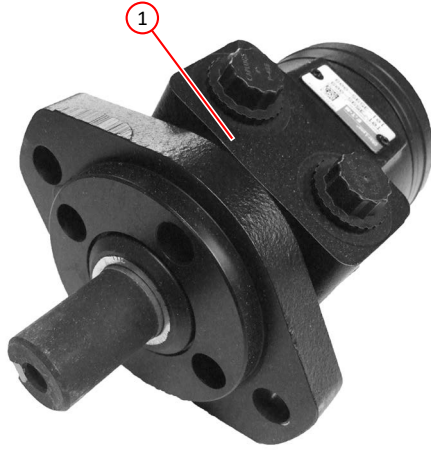
SUCTION FAN MOTOR ASSEMBLY

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Hydraulic Motor, OMP50 - High Pressure Water Pump 42 LPM			
1	013527	1	. Motor, hydraulic, for HP water pump 42 LPM Page 166
	011069	2	. . Setscrew, M12 x 40mm
	011077	2	. . . Nut, M12, Nyloc
2	*	1	. . Seal kit

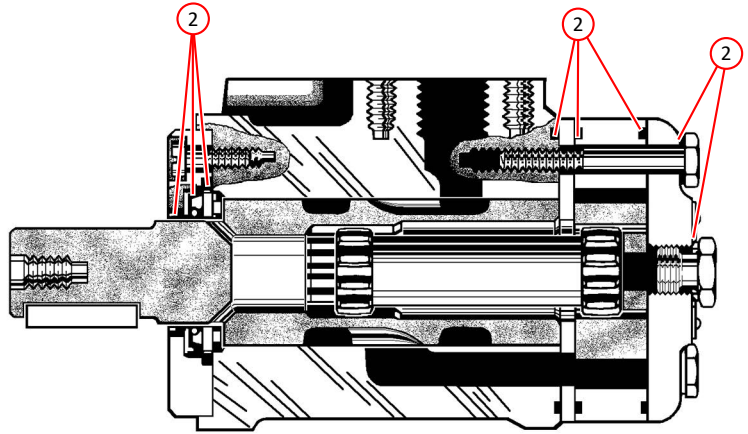
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Hydraulic Motor, OMP100 - Wide Sweep			
1	010566	1	. Motor, hydraulic, for wide sweep Page 122,194
	011053	2	. . Setscrew, M12 x 35mm
	011077	2	. . . Nut, M12, Nyloc
2	*	1	. . Seal kit

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Hydraulic Motor, OMP200 - Side Brush			
1	010749	1	. Motor, hydraulic, for side brush Page 118,194
	011069	2	. . Setscrew, M12 x 40mm
	011077	2	. . . Nut, M12, Nyloc
2	*	1	. . Seal kit

Notes:-
 * Contact Scarab Parts Department before ordering.



OMP50 shown, OMP100 & OMP200 similar



Shows an indication of the location for the seal kit components

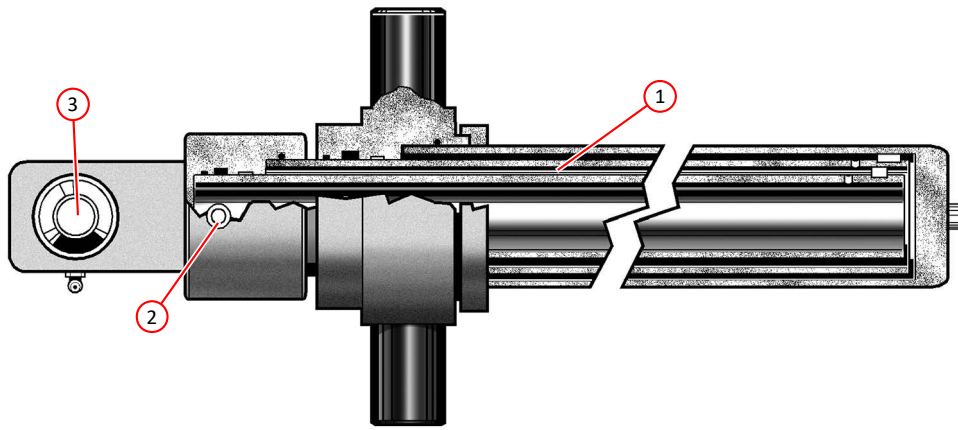
**HYDRAULIC MOTOR - HIGH PRESSURE WATER PUMP
WIDE SWEEP BRUSH
SIDE BRUSH**

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Hopper Lift Ram Assembly			
1	024249	1	. Hydraulic ram, two stage, hopper lift Page 24,192
NI	028178	1	. . Check valve, integrated, ICEB30F
2	002017	4	. . Elbow, banjo $\frac{1}{4}$ " BSP
NI	011152	4	. . . Seal, Dowty, $\frac{1}{4}$ " BSP
3	012881	1	. . Bearing, spherical
NI	027785	1	. . Seal kit, hydraulic ram, two stage, hopper lift

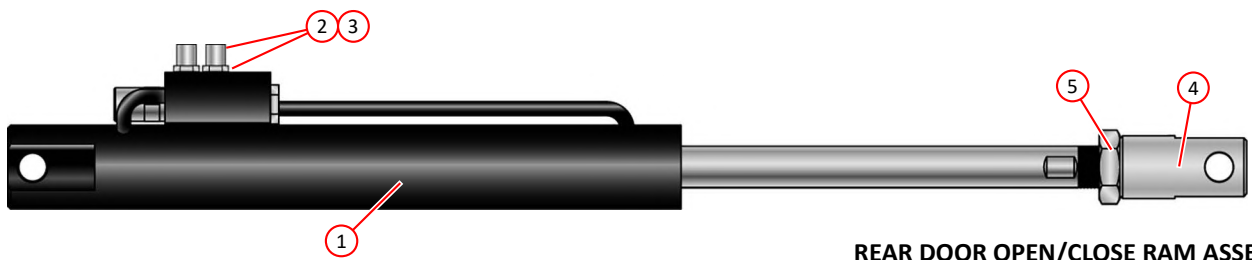
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Rear Door Open/Close Ram Assembly			
1	034816	1	. Hydraulic ram, double acting, with load control Page 36,192
2	011158	2	. . Adaptor, M/M, $\frac{1}{4}$ " BSP
3	011152	2	. . . Seal, Dowty, $\frac{1}{4}$ " BSP
4	042284	1	. . Clevis, door ram
5	042285	1	. . Clevis nut, door ram

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Side Brush Lift Ram Assembly			
1	024539	1	. Hydraulic ram, side brush lift Page 118,194
2	012539	1	. . Restrictor, No 5 White, M/M, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
3	011152	1	. . . Seal, Dowty, $\frac{1}{4}$ " BSP
NI	002016	1	. . Plug, hex socket head, $\frac{1}{4}$ " BSP
4	011629	1	. . Seat kit, hydraulic ram, side brush lift

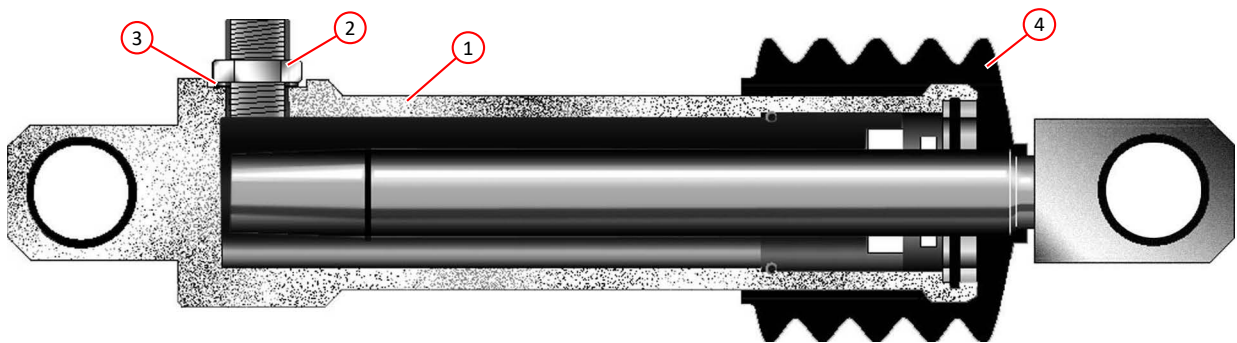
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Suction Nozzle Tilt Ram Assembly			
1	041955	1	Suction nozzle tilt ram assembly, complete Page 126, 194
2	041954	1	Hydraulic ram, suction nozzle tilt
3	027188	1	Restrictor, 0.6mm, $\frac{1}{4}$ " BSP
4	011152	1	Dowty seal, $\frac{1}{4}$ " BSP
5	014475	1	Bellows
6	024682	2	Bush, 25 x 20 x 10mm



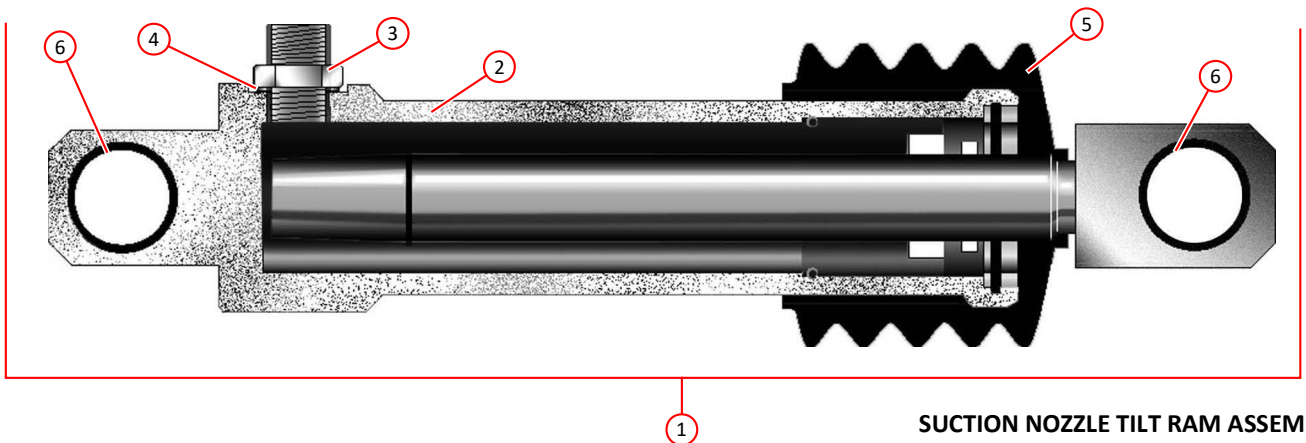
HOPPER LIFT RAM ASSEMBLY



REAR DOOR OPEN/CLOSE RAM ASSEMBLY



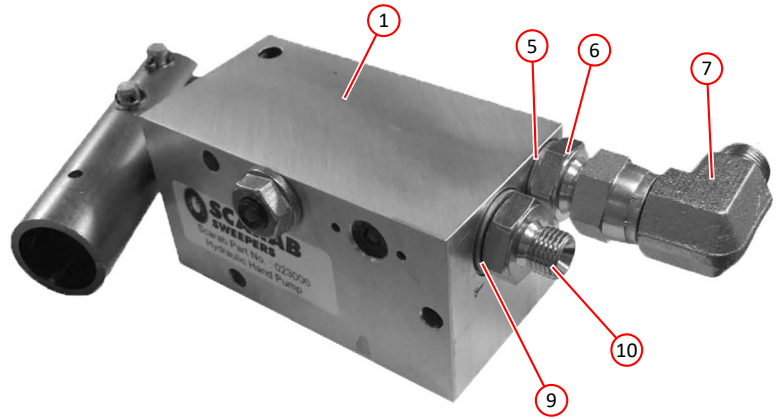
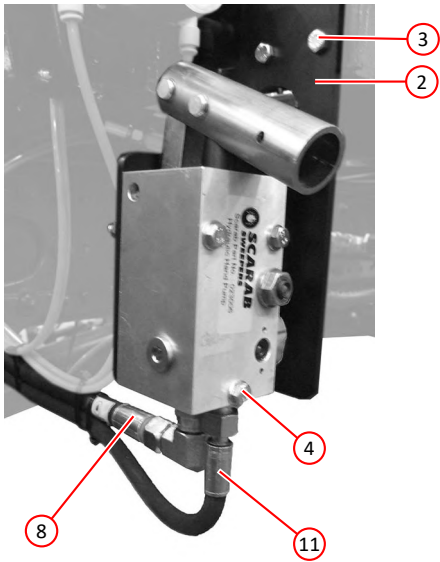
BRUSH RAM ASSEMBLY



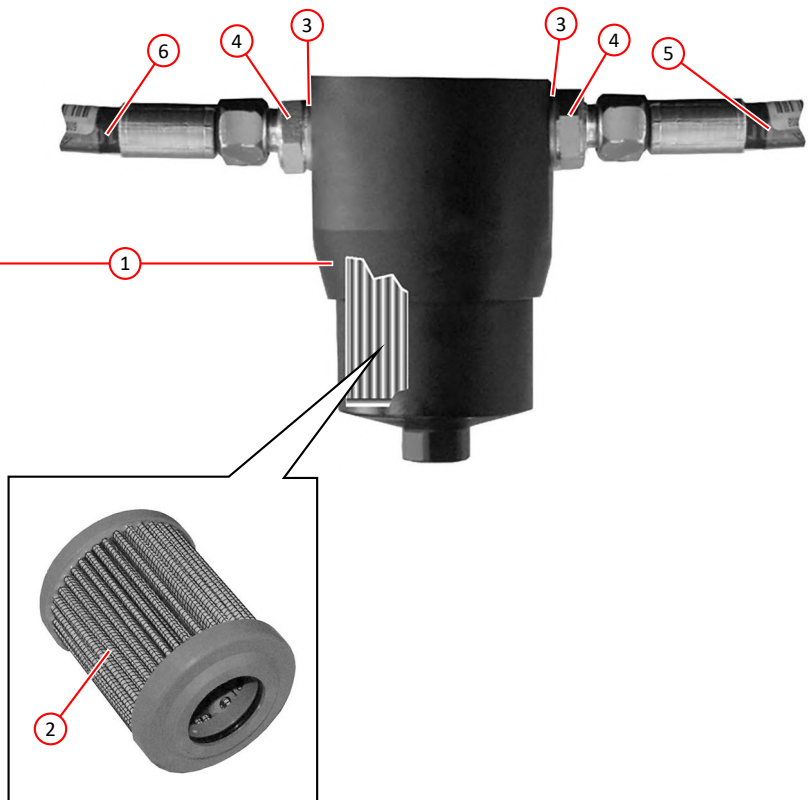
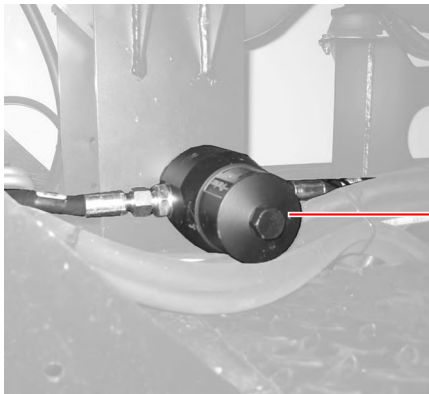
SUCTION NOZZLE TILT RAM ASSEMBLY

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Auxiliary Hand Pump			
1	023006	1	. Hand pump Page 192
NI	038657	1	. . Handle, hand pump
2	038257	1	. . . Bracket, mounting, hand pump, R/H
NI	038256	1	. . . Bracket, mounting, hand pump, L/H
3	011001	4	. . . . Setscrew, M6 x 16mm
	011071	4	. . . . . Nut, M6 Nyloc
4	000221	3	. . . Bolt, M6 x 70mm
	011090	6	. . . . Washer, M6
	011071	3	. . . . . Nut, M6 Nyloc
5	011152	1	. . Washer, Dowty $\frac{1}{4}$ " BSP
6	011199	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
7	011172	1	. . . . Elbow, swivel, M/F, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " BSP
8	001023	1	. . . . . Hose, $\frac{3}{8}$ " BSP x 710mm
9	011153	1	. . Washer, Dowty, $\frac{3}{8}$ " BSP
10	011199	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
11	011328	1	. . . . Hose, $\frac{1}{4}$ " BSP x 1780mm

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Filter High-Pressure			
1	025103	1	Filter, high-pressure Page 16,192
2	025104	1	Filter element
3	011154	2	Seal, Dowty, $\frac{1}{2}$ " BSP
4	011167	2	Adaptor, $\frac{1}{2}$ " BSP x $\frac{3}{8}$ " BSP
5	011307	1	Hose, $\frac{3}{8}$ " BSP x 1300mm
6	011310	1	Hose, $\frac{3}{8}$ " BSP x 300mm

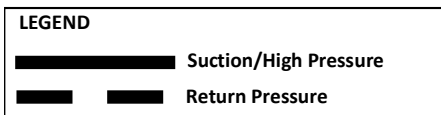
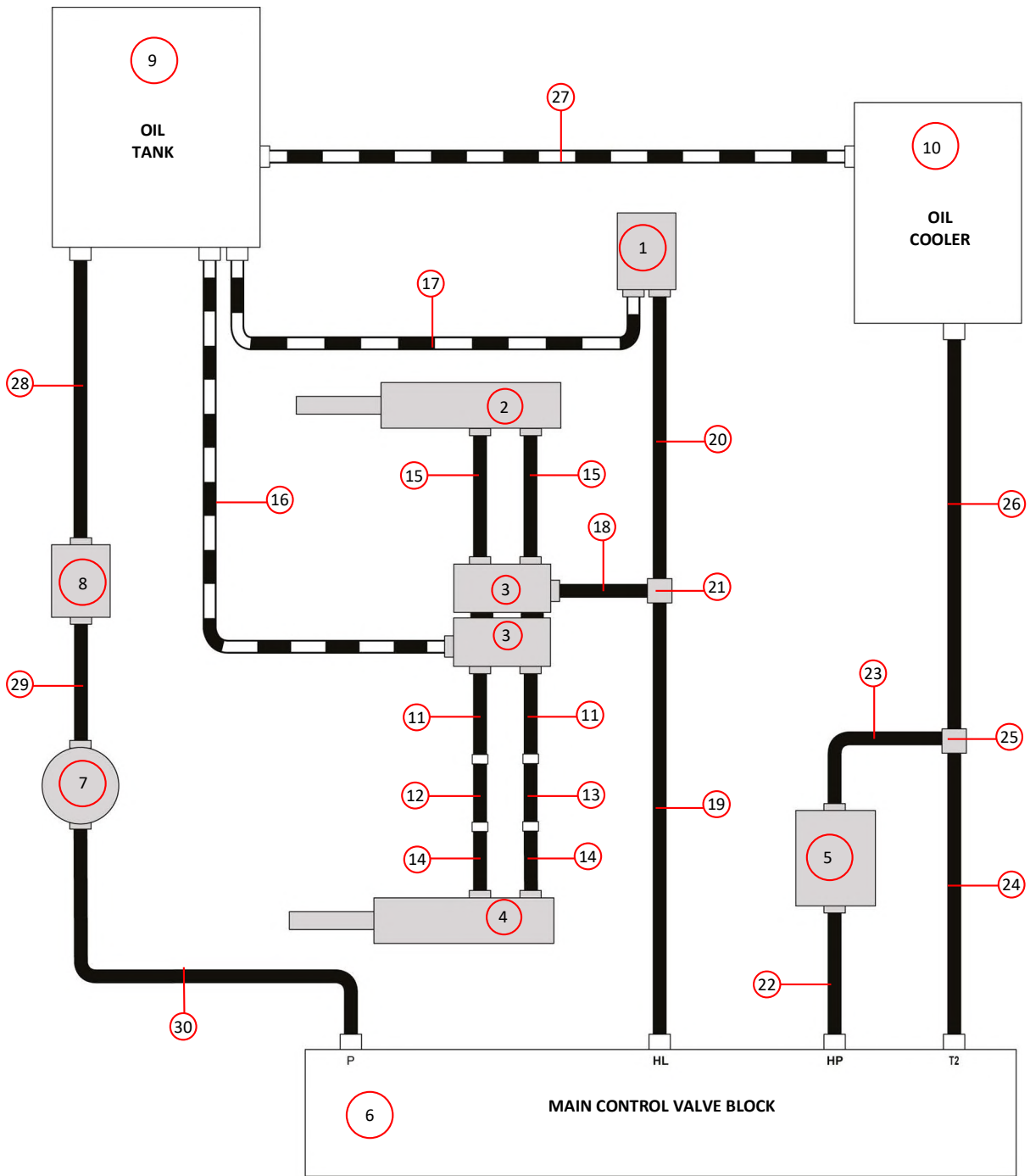


AUXILIARY HAND PUMP



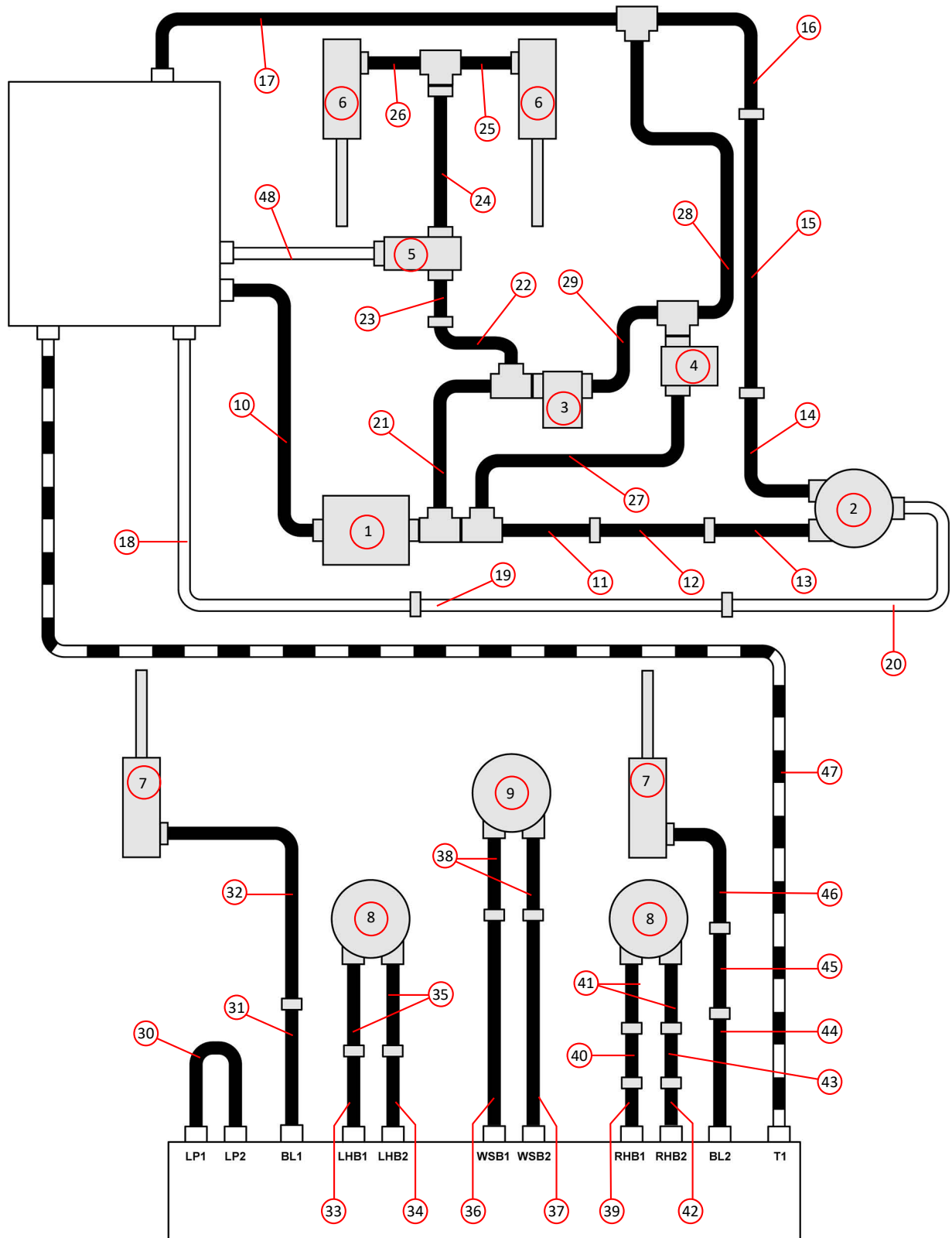
HIGH-PRESSURE FILTER

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Hydraulic Circuit - Hopper, Rear Door and HP Pump			
1	023006	1	Hand pump Page 190
2	024249	1	Hopper lift ram assembly Page 24, 188
3			Hopper/rear door valve block Page 182
4	034816	1	Rear door open/close ram assembly Page 36,188
5		1	High-pressure water pump Page 166
6	038219	1	Main valve control block Page 176
7	025103	1	Filter high pressure Page 16,190
8	034268	1	Hydraulic gear pump, 19.2cc Page 184
9	034415	1	Hydraulic oil tank Page 174
10	033711	1	Radiator oil/water Page 172
11	001002	2	. Hose, rubber, $\frac{1}{4}$ " BSP x 3700mm
12	034894	1	. Pipe, steel, \varnothing 12mm
13	034893	1	. Pipe, steel, \varnothing 12mm
14	011328	2	. Hose, rubber, $\frac{1}{4}$ " BSP x 1780mm
15	010980	2	. Hose, rubber, $\frac{1}{4}$ " BSP x 432mm
16	010958	AR	. Hose, rubber, $\frac{3}{8}$ " bore
17	010985	1	. Hose, rubber, $\frac{1}{4}$ " BSP x 2150mm
18	001023	1	. Hose, rubber, $\frac{3}{8}$ " BSP x 710mm
19	001171	1	. Hose, rubber, $\frac{3}{8}$ " BSP x 250mm
20	001023	1	. Hose, rubber, $\frac{3}{8}$ " BSP x 710mm
21	011198	1	. Tee, M/M/M, $\frac{5}{8}$ " BSP
22	011343	1	. Hose, rubber, $\frac{3}{8}$ " BSP x 4000mm
23	001058	1	. Hose, rubber, $\frac{1}{2}$ " BSP x 3500mm
24	001239	1	. Hose, rubber, $\frac{1}{2}$ " BSP x 150mm
25	011181	1	. Tee, M/M/M, $\frac{1}{2}$ " BSP
26	010995	1	. Hose, rubber, $\frac{1}{2}$ " BSP x 1065mm
27	011000	AR	. Hose, rubber, $\frac{5}{8}$ " bore
28	014827	AR	. Hose, rubber, 1" bore (Red Line)
29	011307	1	. Hose, rubber, $\frac{3}{8}$ " BSP x 1300mm
30	011310	1	. Hose, rubber, $\frac{3}{8}$ " BSP x 300mm



HOPPER, REAR DOOR AND HP PUMP, HYDRAULIC CIRCUIT

Item	Part Number	Quantity	Description
Hydraulic Pipes Schematic - Brushes, Nozzle Tilt and Suction Fan			
1	043301	1	Suction fan pump Page 184
2	024641	1	Suction fan motor Page 184
3	041952	1	Dump valve Page 180
4	041951	1	Relief valve, fan Circuit Page 180
5	041953	1	Suction nozzle tilt control valve Page 178
6	041955	AR	Hydraulic ram, nozzle tilt Page 188
7	024539	2	Hydraulic ram, brush lift Page 118,188
8	010749	2	Motor hydraulic, LH/RH side brush Page 118,186
9	010566	1	Motor hydraulic, wide sweep brush Page 122,186
10	014827	AR	Hose, rubber, 1" bore (red line)
11	001244	1	Hose, rubber, 3/4" BSP x 4800mm (fan feed)
12	034899	1	Pipe, steel, 18mm (fan feed)
13	001245	1	Hose, rubber, 3/4" BSP x 1500mm (fan feed)
14	001245	1	Hose, rubber, 3/4" BSP x 1500mm (fan return)
15	034899	1	Pipe, steel, 18mm (fan return)
16	001038	1	Hose, rubber, 3/4" BSP x 3600mm (fan return)
17	001278	1	Hose, rubber, 5/8" BSP x 1120mm (fan return)
18	010958	AR	Hose, rubber, 3/8" Bore (fan drain)
19	034893		Pipe, steel, 12mm (fan drain)
20	010958	AR	Hose, rubber, 3/8" Bore (fan drain)
21	001278	1	Hose, rubber, 5/8" BSP x 960mm (dump valve/nozzle tilt feed)
22	001280	1	Hose, rubber, 3/8" BSP x 900mm (nozzle tilt feed)
23	001227	1	Hose, 3/8" BSP x 680mm (nozzle tilt feed)
24	001227	1	Hose, 3/8" BSP x 680mm (nozzle tilt feed)
25	001281	1	Hose, 1/4" BSP x 2800mm (nozzle tilt feed, right rand)
26	001282	1	Hose, 1/4" BSP x 1600mm (nozzle tilt feed, left rand)
27	001126	1	Hose, 3/4" BSP x 800mm (dump valve feed)
28	001049	1	Hose, 3/4" BSP x 800mm (dump valve return)
29	001075	1	Hose, 1/2" BSP x 500mm (relief valve return)
30	040127	1	Pipe, steel, 12mm (link pipe, LP1-LP2)
31	001160	1	. Hose, rubber, 1/4" BSP x 950mm (LH side brush lift)
32	034891	1	. Pipe, steel, 6mm (RH side brush lift)
33	034886	1	. Pipe, steel, 12mm (LH side brush feed)
34	034887	1	. Pipe, steel, 12mm (LH side brush return)
35	001167	2	. Hose, rubber, 3/8" BSP x 1200mm (LH side brush feed/return)
36	034889	1	. Pipe, steel, 12mm (wide sweep feed)
37	034888	1	. Pipe, steel, 12mm (wide sweep return)
38	001022	2	. Hose, rubber, 3/8" BSP x 770mm (wide sweep feed/return)
39	034882	1	. Pipe, steel, 12mm (RH side brush feed)
40	034883	1	. Pipe, steel, 12mm (RH side brush feed)
41	001167	2	. Hose, rubber, 3/8" BSP x 1200mm (RH side brush feed/return)
42	034884	1	. Pipe, steel, 12mm (RH side brush return)
43	034885	1	. Pipe, steel, 12mm (RH side brush return)
44	034890	1	. Pipe, steel, 6mm (LH side brush lift)
45	034892	1	. Pipe, steel, 6mm (RH side brush lift)
46	001160	1	. Hose, Rubber, 1/4" BSP x 950mm (RH side brush lift)
47	011000	AR	. Hose, rubber, 5/8" bore (valve block return)
48	010958	AR	Hose, 3/8" bore (suction nozzle tilt control valve return)



LEGEND	
	Suction/High Pressure
	Return Pressure
	Drain/Case Drain

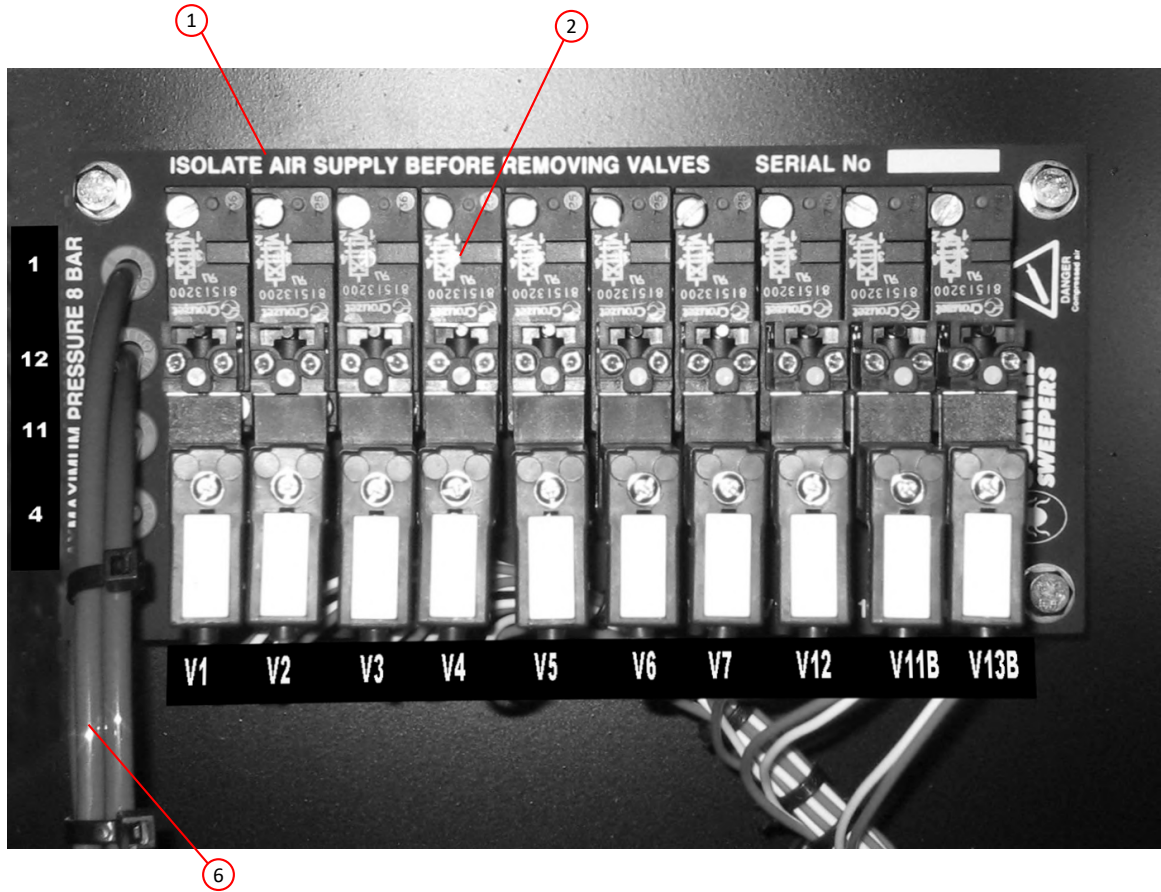
**BRUSHES, NOZZLE TILT & SUCTION FAN
HYDRAULIC PIPES SCHEMATIC**

<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
		Clamps for Steel Piping
027980		Clamp block, single, 6mm
027981		Clamp block, single, 12mm
027982		Clamp block, single, 25mm
027983		Clamp block, double, 6mm x 6mm
027984		Clamp block, double, 12mm x 12mm
027985		Clamp block, double, 6mm x 12mm
027986		Clamp block, double, 12mm x 14mm
027987		Clamp block, double, 17.2mm x 17.2mm
027988		Clamp block, double, 18mm x 18mm
027989		Top plate 2-hole, small
027990		Top plate 2-hole, large
027991		Bottom plate 2-hole, small
027992		Bottom plate 2-hole, large
027993		Bottom plate 1-hole, small
027994		Bottom plate 1-hole, medium
027995		Bottom plate 2-hole, large
027996		Top plate 1-hole, small
027997		Top plate 1-hole, medium
027998		Top plate 1-hole, large

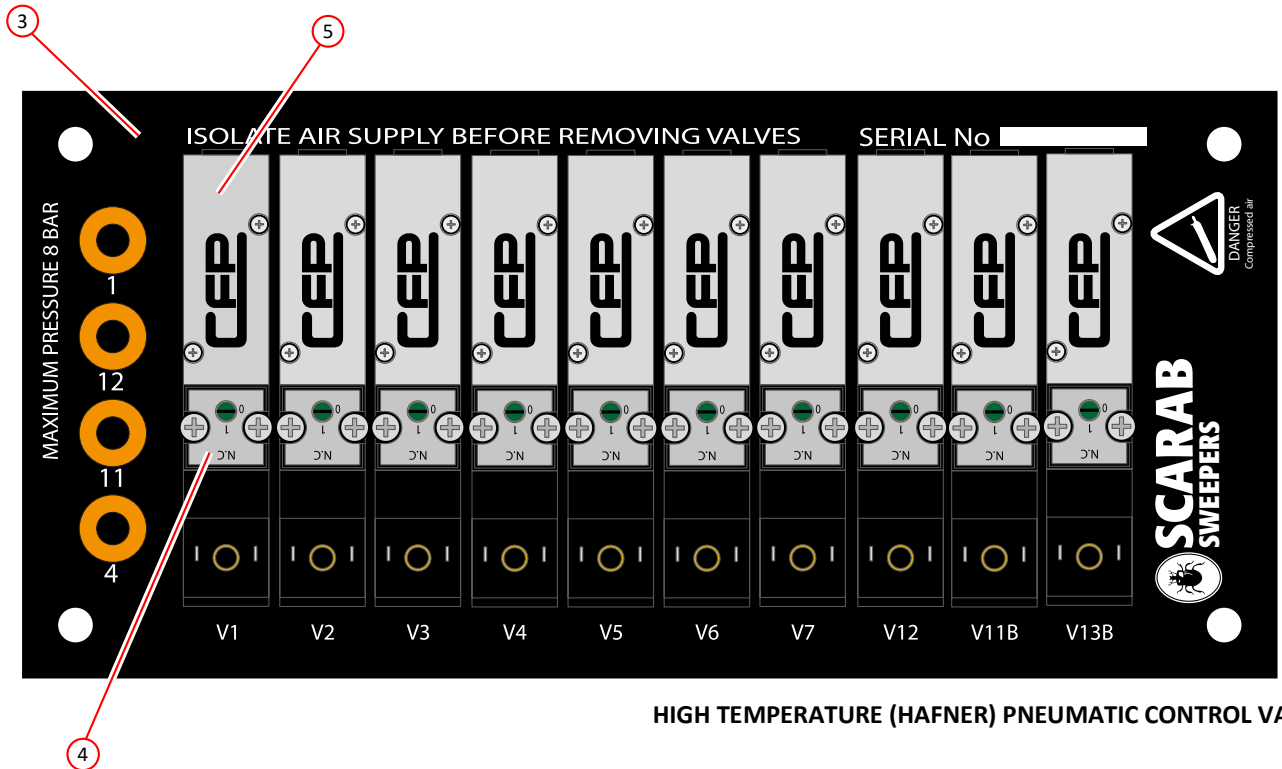
Pneumatics

<i>Description</i>	<i>Page</i>
Pneumatic Control Valves Standard	198
Pneumatic Control Valves High Temperature	198
Pneumatic Filter, Regulator, Lubricator Arrangement	200
Pressure Regulator Valve, Switch, Wide Sweep & Side Brush	200
Pneumatic Cylinder, Wide Sweep Raise/Lower - Assembly	202
Pneumatic Cylinder, Wide Sweep Slewing - Assembly	202
Pneumatic Cylinder, Suction Nozzle Raise/Lower - Assembly	202
Pneumatic Cylinder, Side Brush Swing In/Out - Assembly	204
Pneumatic Cylinder, Side Brush Pressure - Assembly	204
Pneumatic Cylinder, Auto Blanking - Assembly	204

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Pneumatic Control Valves Standard			
1	034178	1	. Pneumatic valve block Page 210
2	035673	AR	. . Solenoid valve (Standard)
Pneumatic Control Valves High Temperature			
3	045473	1	. Pneumatic acrylic block for high temperature (HAFNER) solenoid valves
4	045381	AR	. . 15mm solenoid valve, high temperature (HAFNER)
5	045386	AR	. . Solenoid/spring valve body 5/2
NI	045387	AR	. Pilot solenoid gasket
NI	045388	AR	. O-Ring seal kit for 15mm solenoid/spring valve body 5/2
NI	045389	AR	. O-Ring seal kit for 5/2 pilot/pilot valve
NI	006067	AR	. $\frac{1}{8}$ " one way valve/breather
NI	006068	AR	. $\frac{1}{4}$ " one way valve/breather
6	024650	AR	. . Airline, green, \varnothing 6mm



PNEUMATIC CONTROL VALVES



HIGH TEMPERATURE (HAFNER) PNEUMATIC CONTROL VALVES

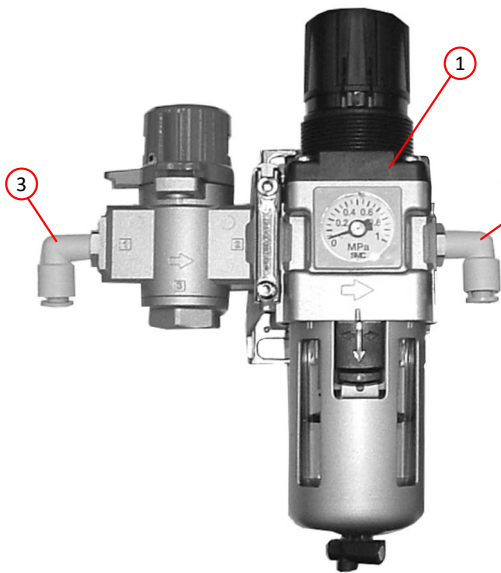
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Pneumatic Filter, Regulator, Lubricator Arrangement			
1	032519	1	Pneumatic filter/regulator without lubricator, assembly
2	039753	1	Pneumatic filter/regulator with lubricator, assembly
3	023203	2	. Elbow, push-in, 6mm x $\frac{1}{4}$ " BSP
	011010	4	. Setscrew, M8 x 20mm
	011092	8	. Washer, M8
	011073	4	. Nut, M8, Nyloc
NI	024650	AR	. . . Airline, green, \varnothing 6mm
NI	005046	50ml	. Lubrication fluid

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Pressure Regulator Valve, Switch, Wide Sweep & Side Brush *			
1	023242 **	1	. Valve, pressure regulator
2	023246 **	1	. . Gauge, 0 - 10 bar, $\frac{1}{4}$ " BSP
3	024645 **	2	. . Connector, elbow, push-fit, 6mm - $\frac{1}{8}$ " BSP
4	024650 **	AR	. . . Airline, green, \varnothing 6mm
5	023245 **	1	. . Bracket
6	038328	1	. Pneumatic switch, side brush pressure up or down
7	024645	5	. . Connector, elbow, push-fit, 6mm - $\frac{1}{8}$ " BSP
8	024650	AR	. . . Airline, green, \varnothing 6mm

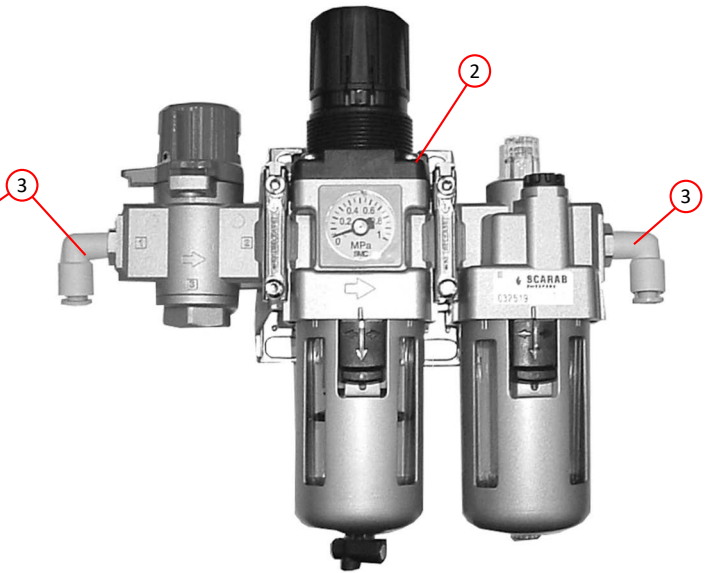
Notes:-

* The location of these components is normally in the Node/Pneumatic cabinet, but could be installed elsewhere. Please contact the Scarab Parts Department for help with correct fittings etc.

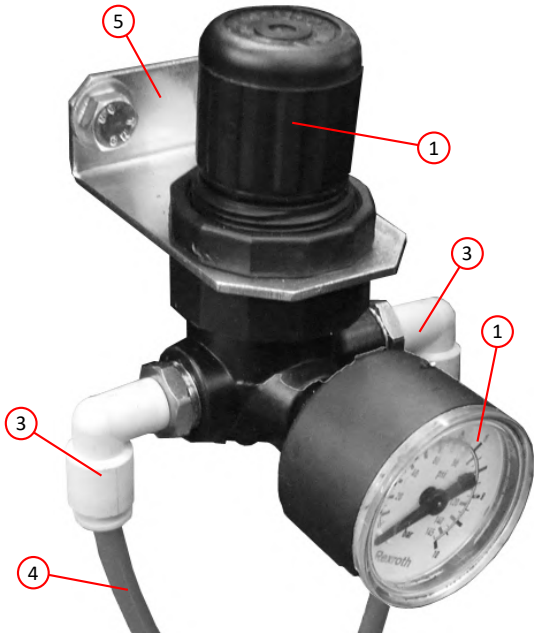
** These components are common to both the wide sweep pressure and the side brush pressure, regulators.



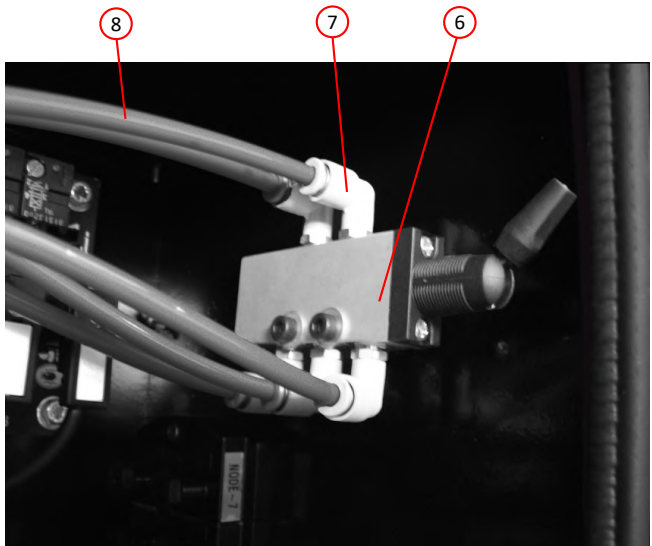
PNEUMATIC FILTER/REGULATOR



PNEUMATIC FILTER/REGULATOR/LUBRICATOR



PRESSURE REGULATOR VALVE AND GAUGE



SIDE BRUSH PRESSURE UP OR DOWN SWITCH

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Pneumatic Cylinder, Wide Sweep Raise/Lower - Assembly *			
1	020602	1	. Pneumatic cylinder, 40 x 125 Page 122
2	014469	1	. . Clevis
3	023270	1	. . . Clevis retaining pin
4	023269	1	. . . Clevis retaining pin clip
5	030532	1	. . Pivot Bracket
	011067	4	. . . Setscrew, M6 x 20mm
	011091	4	. . . Spring washer, M6

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Pneumatic Cylinder, Wide Sweep Slewing - Assembly			
1	020767	1	. Pneumatic cylinder, 40 x 125 Page 124
2	036621	1	. . Clevis, includes pin and retaining clips
3	021158	2	. . Flow regulator
4	036620	1	. . Pivot Bracket
	011010	4	. . . Setscrew, M8 x 20mm
	011093	4	. . . Spring washer, M8

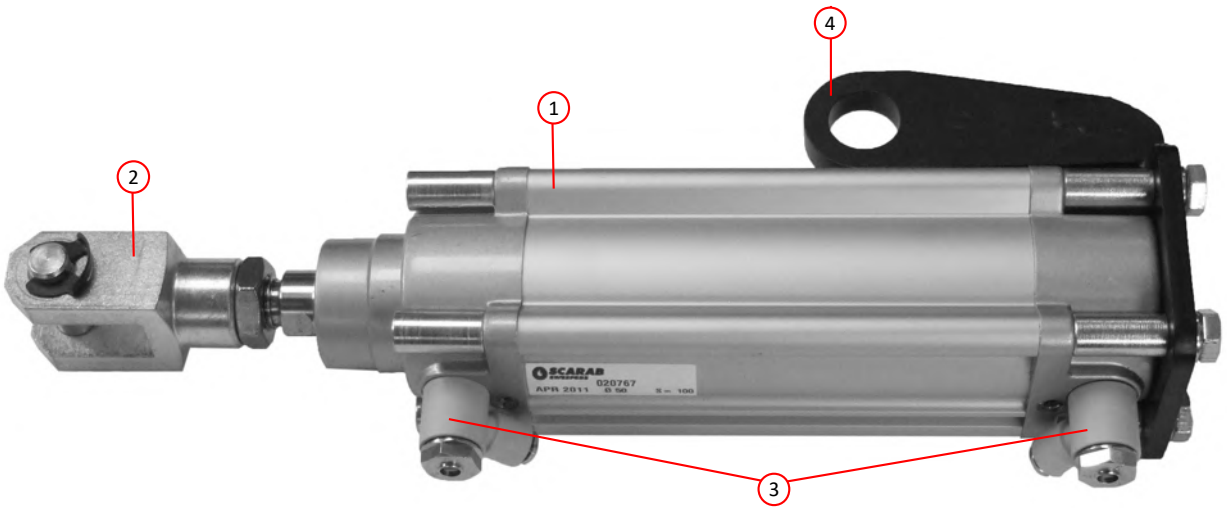
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
031330 Pneumatic Cylinder, Suction Nozzle Raise/Lower - Assembly			
1	030772	1	. Pneumatic cylinder, 50 x 200 Page 136
2	032293	1	. . Ring nut
3	021158	1	. . Flow regulator
4	030772	1	. . Pivot bracket
	000003	4	. . . Screw, countersunk socket, M8 x 20mm
5	030776	1	. . . Pivot block
	011057	2	. . . . Bolt, M12 x 100mm
	011096	4	. . . . Washer, M12
	011077	2	. . . . Nut, M12, Nyloc

Notes:-

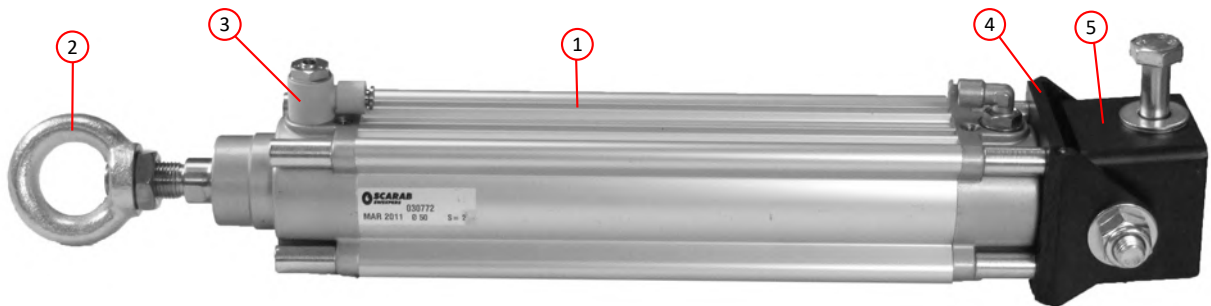
* There are two wide sweep raise/lower cylinders per wide sweep.



PNEUMATIC CYLINDER, WIDE SWEEP RAISE/LOWER - ASSEMBLY



PNEUMATIC CYLINDER, WIDE SWEEP SLEWING - ASSEMBLY



PNEUMATIC CYLINDER, SUCTION NOZZLE RAISE/LOWER - ASSEMBLY

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
	022587		Pneumatic Cylinder, Side Brush Swing In/Out - Assembly
1	020298	1	. Pneumatic cylinder, 50 x 160 Page 120
2	020299	1	. . Clevis
3	022673	1	. . . Clevis retaining pin
4	022674	1	. . . Clevis retaining pin clip
5	020534	1	. . Bracket, pivot
	011011	4	. . . Bolt, M8 x 25mm
	011093	4	. . . Spring washer, M8
NI	024990	1	. . Seal kit, pneumatic cylinder

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
	023370		Pneumatic Cylinder, Side Brush Pressure - Assembly
1	020298	1	. Pneumatic cylinder, 50 x 160 Page 120
2	020299	1	. . Clevis
3	022673	1	. . . Clevis retaining pin
4	022674	1	. . . Clevis retaining pin clip
5	023122	1	. . Bracket, pivot
	011011	4	. . . Bolt, M8 x 25mm
	011093	4	. . . Spring washer, M8
6	023123	1	. . . Pin, $\varnothing 16\text{mm} \times 46\text{mm}$
	011135	2	. . . . Washer, M16
	011122	2	. . . . Split pin, $\frac{3}{16} \times 1\frac{1}{2}$ "
NI	024990	1	. . Seal kit, pneumatic cylinder

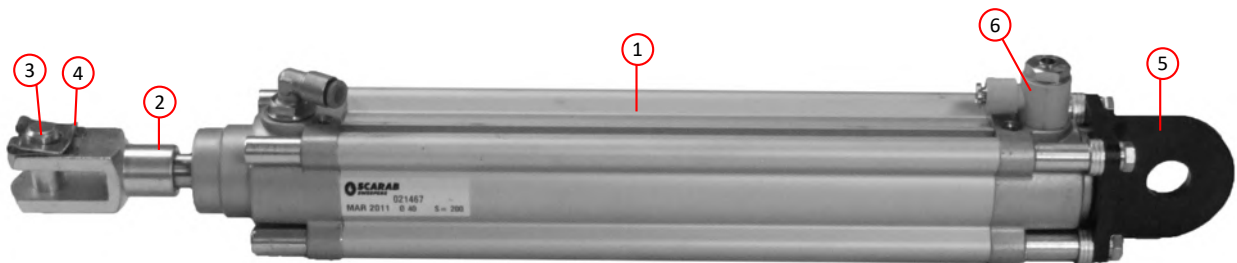
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
	026319		Pneumatic Cylinder, Auto Blanking - Assembly
1	021467	1	. Pneumatic cylinder, 40 x 200 Page 32
2	014469	1	. . Clevis
3	023270	1	. . . Clevis retaining pin
4	023269	1	. . . Clevis retaining pin clip
5	014457	1	. . Pivot bracket
	011087	4	. . . Bolt, M6 x 25mm
	011090	12	. . . . Washer, M6
	011091	4	. . . . Spring washer, M6
6	021158	1	. . Flow regulator



PNEUMATIC CYLINDER, SIDE BRUSH SWING IN/OUT - ASSEMBLY



PNEUMATIC CYLINDER, SIDE BRUSH PRESSURE - ASSEMBLY

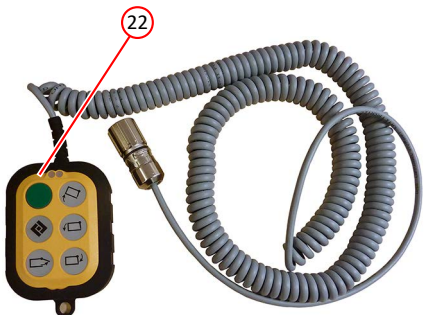
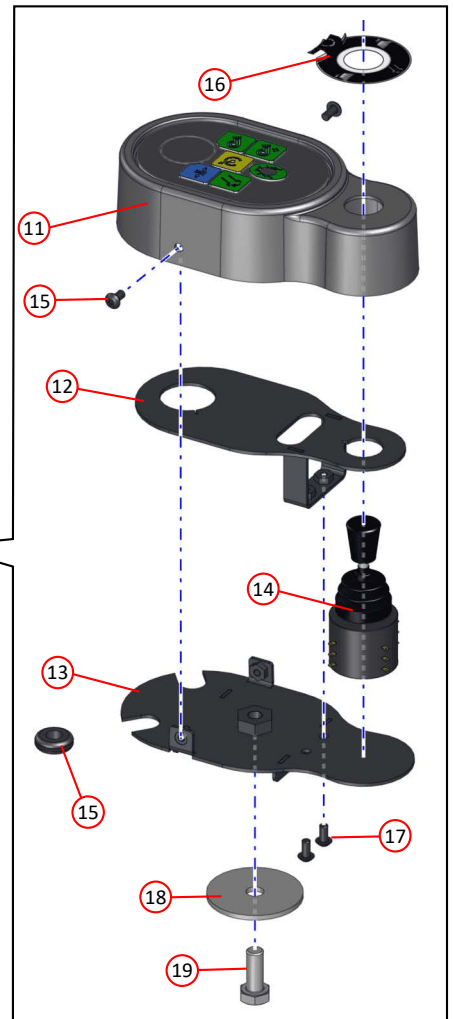
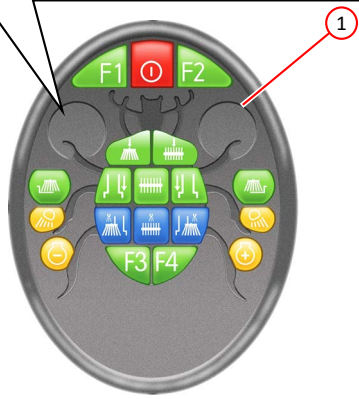
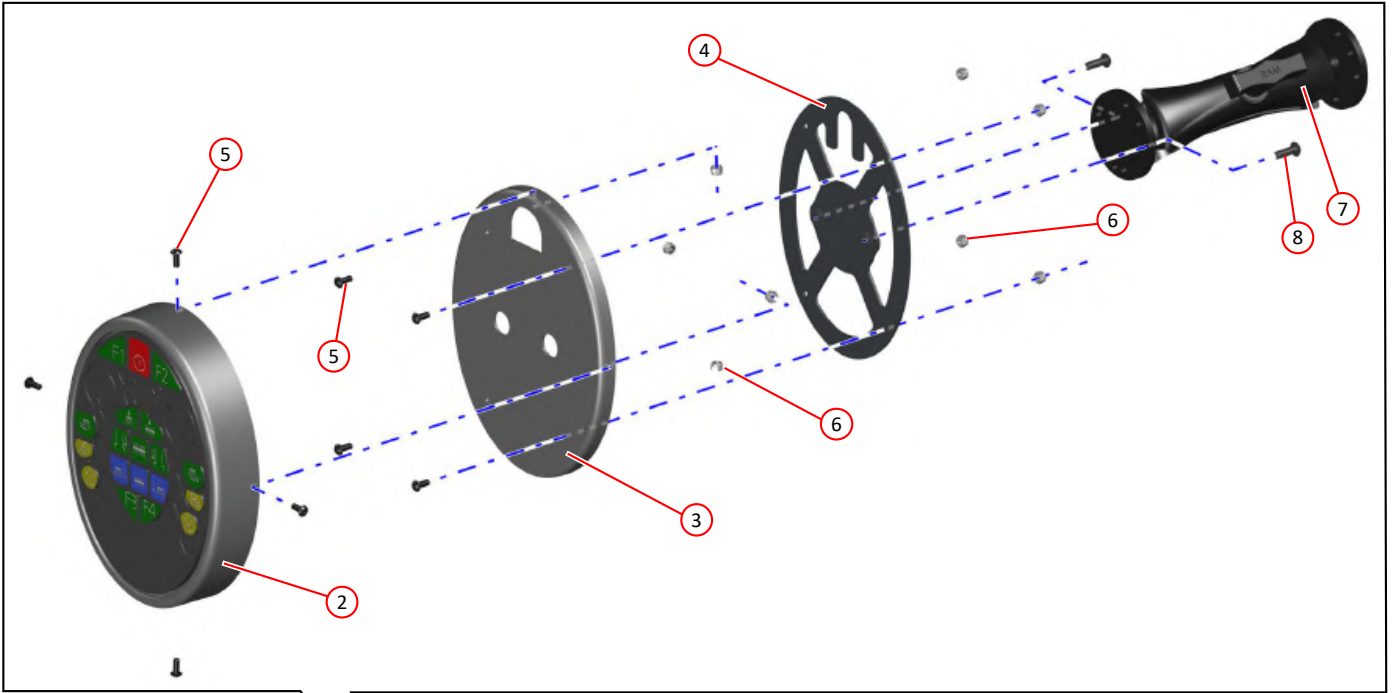


PNEUMATIC CYLINDER, AUTO BLANKING - ASSEMBLY

Electrical

<i>Description</i>	<i>Page</i>
Electrical Components - Cab	208
Node and Pneumatic Enclosure Assembly	210
Battery Junction Box	210
Electrical - Wiring Looms, Connectors	212
Electrical - Switches and Sensors	212
Electrical - Fuses	212
Electrical - Relays	212
Electrical - Lamps and LEDs	212
Electrical - Beacons	213
Electrical - Spare Bulbs	213
Electrical - Other Components	213

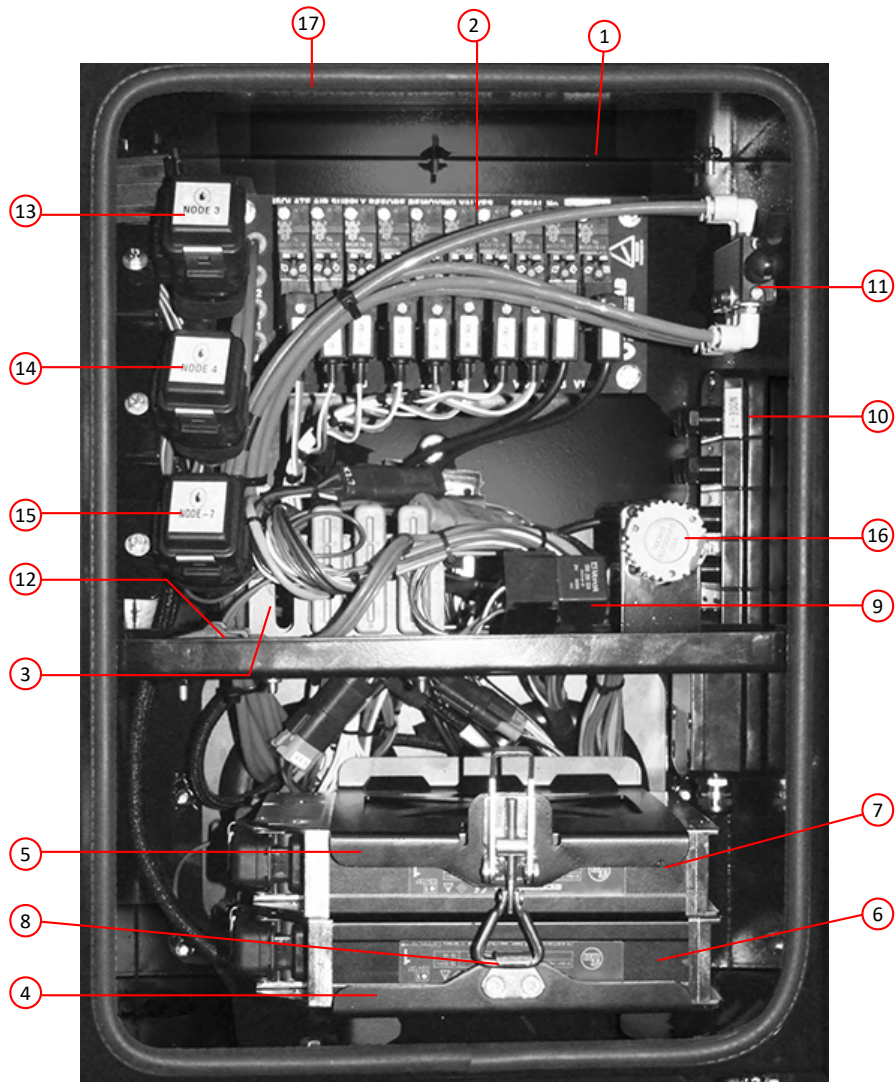
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Electrical Components - Cab			
1	036803	1	Main control panel, complete including mount Page 12
2	038640	1	Main control panel, keypad and enclosure
3	037053	1	Enclosure back, main control panel
4	037055	1	Fixing plate, main control panel
5	000304	8	Screw, socket button-head, M4 x 10mm
6	000134	8	Nut, M4, Nyloc
7	032108	1	Adjustable panel mount
8	000346	2	Socket button head screw M5 x 16, black
NI	036912	1	Loom, main control panel
NI	036914	1	Loom, power/CAN, main control panel
9	037606	1	Auxiliary controller, left hand, complete Page 12
10	037607	1	Auxiliary controller, right hand, complete Page 12
11	037608	1	Auxiliary controller, keypad and enclosure
12	037057	1	Support plate
13	037058	1	Back plate
14	036873	1	Joystick
15	046259	1	Grommet, semi blind, ø15.9
16	039545	1	Label, joystick
17	000380	4	Socket button head screw M4 x 10, black
18	037064	1	Door pod lock washer
19	011031	1	Setscrew HT M10 x 25
20	042882	1	Display screen, CANbus v3.1 (programmed) Page 12
21	036799	3	Node, cabinet module (CR2012) Page 12
22	044294	1	Hopper controller complete with holster Page 12
Ni	036913	1	Loom, auxiliary control panel (door pod)
NI	036915	1	Loom, power/CAN, auxiliary control panel (door pod)



ELECTRICAL COMPONENTS - CAB

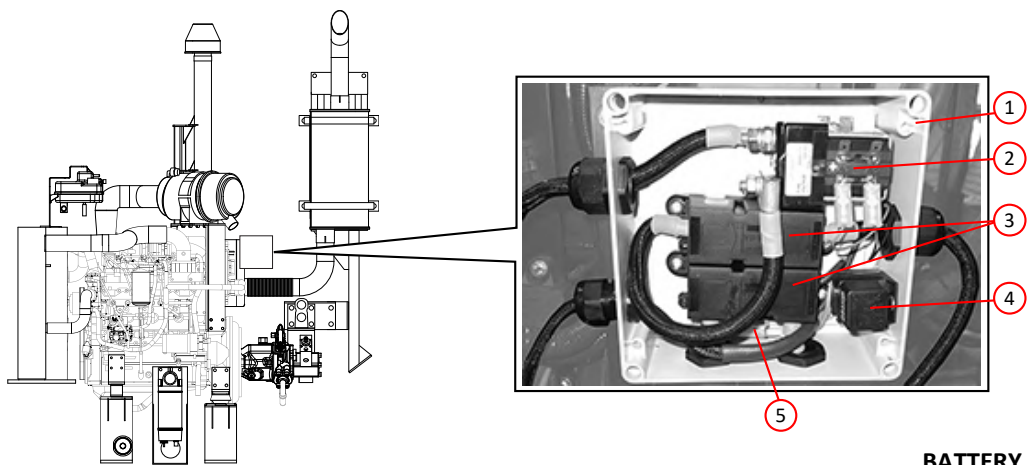
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Node and Pneumatic Enclosure Assembly			
1	038209	1	Enclosure, Node and pneumatic Page 24
NI	034327	1	Door, Node and pneumatic enclosure
NI	033634	1	Catch, sealed, door
	011011	2	Setscrew, M8 x 25mm
	011092	4	Washer, M8
	011073	2	Nut, M8, Nyloc
2	034178	1	Pneumatic control valves Page 198
3	038212	1	Earth strip frame, (splice saver)
4	038210	1	Node carrier, lower
5	038211	1	Node carrier, upper
6	042344	1	Node 3, mobile controller, CR0505 (programmed)
7	042336	1	Node 4, mobile controller, CR0020 (programmed)
8	010509	1	Latch, toggle clip, node carrier
8	021841	1	Hook, toggle clip, node carrier
9	014718	1	Relay, cross-over Page 212
10	038214	1	Node 7, compact module, CR2031
11	038328	1	Side brush pressure toggle switch (Option) Page 200
12			Fuse holder, (F29)
13			Fuse holder, Node 3 (F1, F2, F3, F4)
14			Fuse holder, Node 4 (F25, F26, F27, F28)
15			Fuse holder, Node 7 (F30, F31, F32, F33)
16			Connector, service interface
17	025222	AR	Seal, rubber, (Titanfast, section DX78)
NI	004489	1	Boot, rubber, 6mm
NI	034807	2	Panel sock
NI	035664	1	Loom plate, control box
NI	036843	1	Power post red
NI	036844	2	Power connection link

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Battery Junction Box			
NI	040602	1	Frame, junction box and fuel filter Page 16
1	037308	1	Enclosure, battery junction box Page 16
2	034207	1	Relay, air heat Page 212
3	004506	2	Fuse holder, Mega
NI	004422	2	Fuse 125 Amp Page 212
4	014718	1	Relay, cross over, 24V, electric water pump Page 212
5	014291	1	Fuse 25 Amp blade, electric water pump, (F34) Page 212



Enclosure shown with Node 7 and Side Brush Pressure Switch

NODE/PNEUMATIC ENCLOSURE



BATTERY JUNCTION BOX

<i>Part Number</i>	<i>Description</i>
Electrical - Wiring Looms, Connectors	
036911	Hopper loom
036912	Main control panel loom Page 12
036913	Auxiliary controller loom Page 12
036914	Main control panel, power, loom Page 12
036915	Auxiliary controller, power, loom Page 12
036916	Screen loom Page 12
037307	Node 3 Cummins loom
038013	Cab loom Page 12
038116	Node 4 loom
038228	Node 7 loom
038330	Hydraulic loom
039705	Cable, M12 plug with Deutsch DT 2 way x 3m Page 182
040126	Electric water pump loom
040353	Loom, power supply, rear camera Page 12, 40
040355	Loom, rear camera Page 12, 40

<i>Part Number</i>	<i>Description</i>
Electrical - Switches and Sensors	
032627	Hopper 'raised' sensor Page 26
036871	Float switch and amp (water level) Page 144
037226	Sensor, fluid level, radiator expansion tank Page 172

<i>Part Number</i>	<i>Description</i>
Electrical - Fuses	
004495	Fuse 2 Amp mini
004392	Fuse 7.5 Amp mini
004393	Fuse 10 Amp mini
004394	Fuse 15 Amp mini
004395	Fuse 20 Amp mini
004397	Fuse 30 Amp mini
004326	Fuse 1 Amp blade
004485	Fuse 2 Amp blade
014284	Fuse 3 Amp blade
014285	Fuse 4 Amp blade
014286	Fuse 5 Amp blade
014287	Fuse 7.5 Amp blade
014288	Fuse 10 Amp blade
014289	Fuse 15 Amp blade
014290	Fuse 20 Amp blade
014291	Fuse 25 Amp blade
014292	Fuse 30 Amp blade
004422	Fuse 125 Amp Mega Page 210

<i>Part Number</i>	<i>Description</i>
Electrical - Relays	
014718	Relay, cross over, 24V Page 210
034207	Relay, contactor 24V Page 210

<i>Part Number</i>	<i>Description</i>
Electrical - Lamps and LEDs	
037084	Work lamp, halogen, 24v x 70Watt Page 138
030773	Marker lamp LED 'Red' (hopper mounted) Page 36
047757	LED work lamp Page 138

Description

Electrical - Beacons

014064	Beacon, 24V (Standard)	Page 36
011497	Bulb, halogen, 24V x 70 Watt (H1) (Beacon)	

Part Number

Description

Electrical - Spare Bulbs

004153	Bulb, halogen, 24V x 5 Watt, (434)
004174	Bulb, halogen, 24V x 70 Watt
004185	Bulb, work lamp, 24V 21 Watt
011489	Bulb, 24V x 5 Watt
011490	Bulb, 24V x 21 Watt, (single contact)
011492	Bulb, 24V x 2.8 Watt, (LLB865)
011497	Bulb, halogen, 24V x 70 Watt (H1) (Beacon)

Part Number

Description

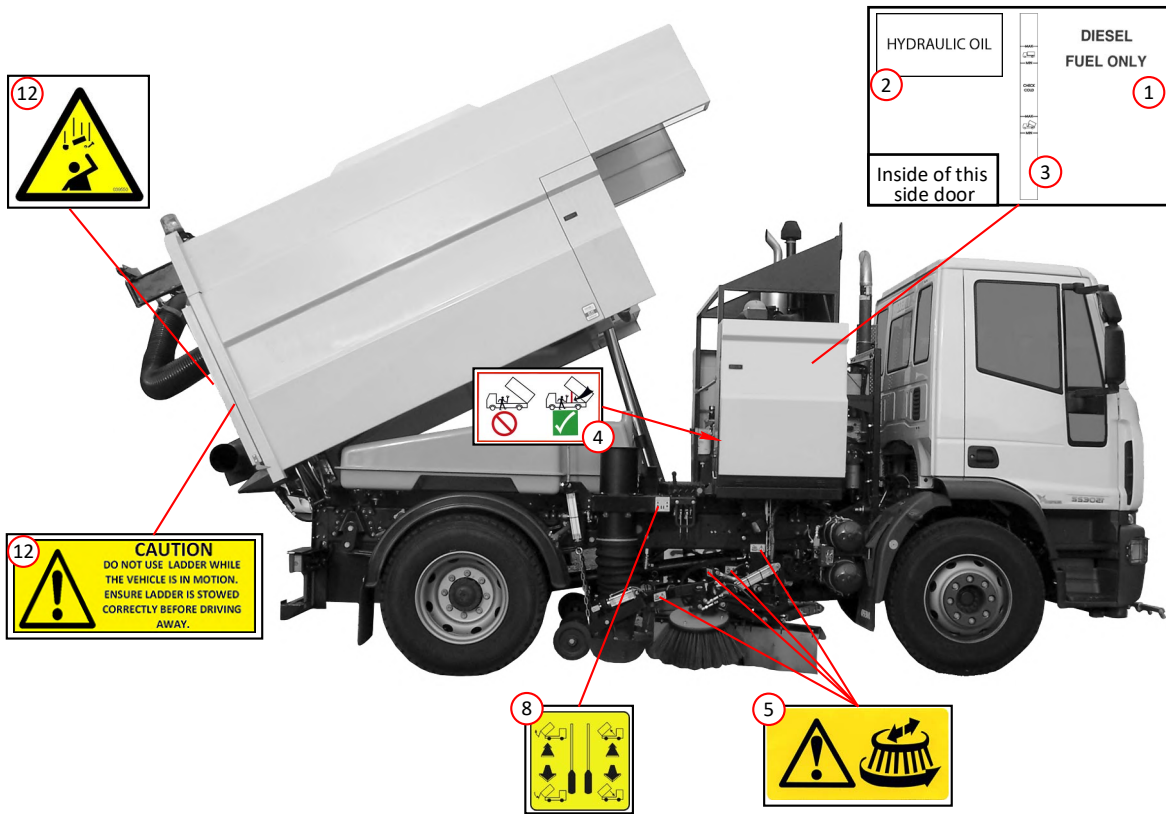
Electrical - Other Components

037048	Sounder (for keypad)	Page 12
037666	Sounder, hopper and door operation	
040046	Pump, electric, low pressure water	Page 154
040354	Camera	Page 40
041534	Camera splitter unit	Page 12
040597	USB memory stick, 2GB	

Labels and decals

<i>Description</i>	<i>Page</i>
Safety and Information Labels	216
Scarab Badges and Vinyl Decals	218

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Safety and Information Labels			
1	021058	1	Diesel fuel oil
2	028408	1	Hydraulic oil
3	035872	1	Hydraulic oil level
4	022384	3	Warning, hopper prop deployment
5	022383	10	Warning, brush movement
6	021061	1	Warning, fan inspection (located inside inspection cover)
7	027774	1	Sound level
8	035767	1	Manual valve operation
9	039869	1	PM10 EUnited 3 Star, (Year of Manufacture)
NI	039868	1	PM10 EUnited 2 Star, (Year of Manufacture)
10	032409	1	Warning, boost charging
11	032935	1	Warning, auxiliary engine shut-down
12	039550	1	Warning, Debris warning, on rear inspection hatch Page 40
13	039866	1	Warning, Ladder stowage, on rear door Page 40



12 **CAUTION**
DO NOT USE LADDER WHILE THE VEHICLE IS IN MOTION. ENSURE LADDER IS STOWED CORRECTLY BEFORE DRIVING AWAY.

HYDRAULIC OIL **2** DIESEL FUEL ONLY **1**
Inside of this side door **3**

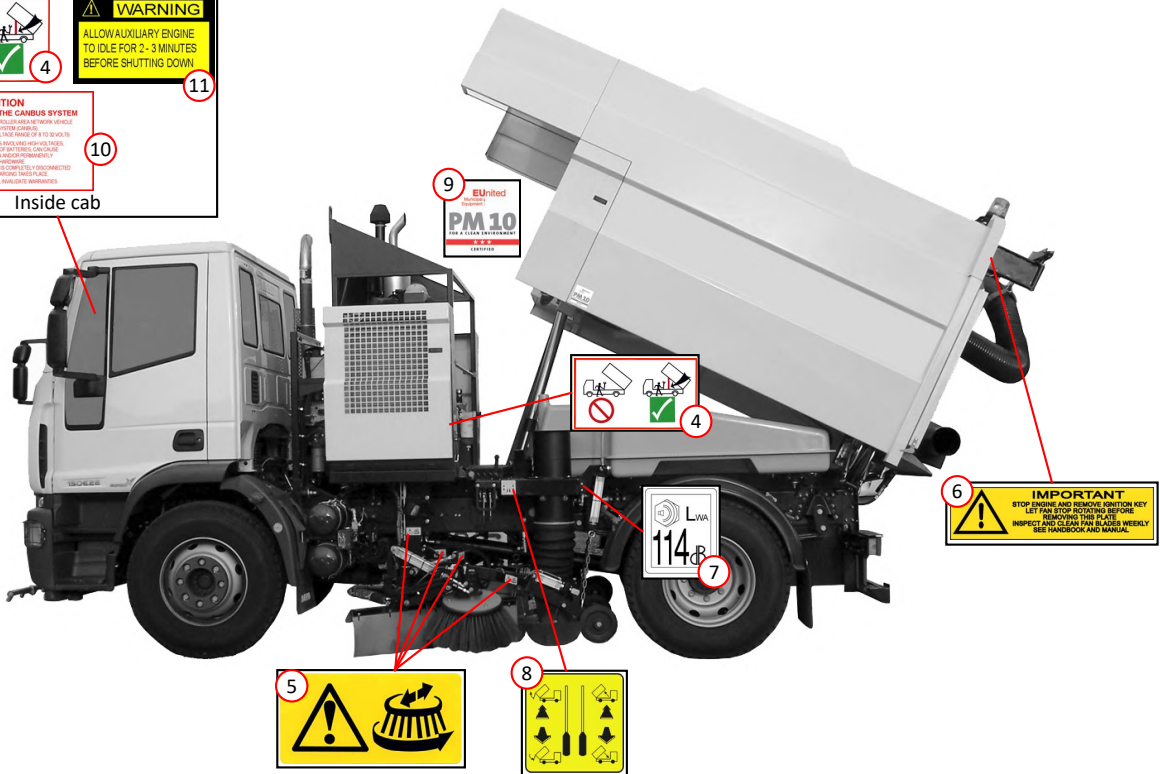
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4 **WARNING**
ALLOW AUXILIARY ENGINE TO IDLE FOR 2-3 MINUTES BEFORE SHUTTING DOWN

10 **ATTENTION**
BOOST CHARGING AND THE CANBUS SYSTEM
THIS VEHICLE IS Fitted WITH A CONTROLLED LAMP ALTERNATOR VEHICLE COMBINATION SYSTEM (CCAS).
THIS SYSTEM WILL OPERATE IN A RANGE OF 8 TO 16 VOLTS.
PLEASE NOTE THAT OPERATIONS AND REPAIRS TO THIS SYSTEM WILL BE PERFORMED BY A QUALIFIED TECHNICIAN.
PLEASE ENSURE THAT THE SYSTEM IS COMPLETELY DISCONNECTED BEFORE ANY REPAIRS ARE MADE.
PLEASE REFER TO THE USER MANUAL FOR MORE INFORMATION.
INSIDE CAB



6 **IMPORTANT**
STOP ENGINE AND REMOVE IGNITION KEY
LET FAN STOP ROTATING BEFORE
INSPECTING THIS AREA.
INSPECT AND CLEAN FAN BLADES WEEKLY
SEE HANDBOOK AND MANUAL.

4

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11

INFORMATION AND SAFETY LABEL LOCATIONS

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
			Scarab Badges and Vinyl Decals
1	036374	3	Vinyl decal, Scarab M6
2	030200	2	Body badge, Scarab
3	042983	2	Scarab Fayat logo, black
NI	042984	2	Scarab Fayat logo, white

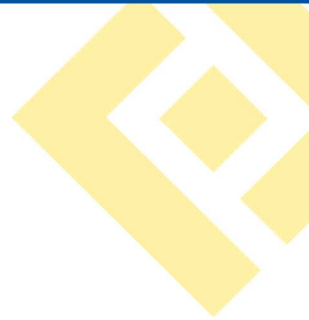


An example application but actual application will depend upon livery requirements



With a pioneering past in the industry, **SCARAB** is a leading manufacturer of high-quality, time-tested road sweeping solutions in the sub-compact, compact, mid-size and truck-mounted categories. **SCARAB** sweepers and products are durable and reliable industry standouts designed with operator efficiency, comfort and safety in mind.

Dealer



For more information about our products and services, contact us at: scarab.fayat.com



SCARAB ♦ Leave nothing behind