



SCARAB
FAYAT GROUP



M6 & FS6000 SKID-MOUNTED ROAD SWEEPERS

ILLUSTRATED PARTS CATALOGUE

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M6 and FS6000 **with CANbus 3.x Control System**

Manual Z038628

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Cert No. 5757
ISO 9001

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	<input type="text"/>	
Serial Number	<input type="text"/>	<input type="text"/>
Year of Manufacture	<input type="text"/>	

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.

The parts are listed with each successive level being indented from its own parent level as follows:

Item	Part Number	Quantity	Description
			Description of Main Assembly
1	064321	1	Sub-Assembly 1 of Main Assembly
	012356	2	. Setscrew, M6 x 30mm
2	045678	1	. Sub-Sub-Assembly 1 of Sub-Assembly 1
3	032145	1	. . Piece part 1 of Sub-Sub-Assembly 1
	012356	2	. . . Setscrew, M6 x 30mm
NI	032187	1	. . Piece part 2 of Sub-Sub-Assembly 1
4	045678	1	. Sub-Sub-Assembly 2 of Sub-Assembly 1
5	032142	1	. . Piece part 1 of Sub-Sub-Assembly 2
	090909	AR	. . . Hose. rubber, 1 bore
6	064321	1	Sub-Assembly 2 of Main Assembly

As the parts list develops it can be seen how the individual items comprising the Main Assembly are related and how this relationship is shown by indenting.

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 it 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.

Amendment Record

Issue Number	Date Incorporated	Section	Pages Affected By Amendment
2	06 June 2012	All	All
3	21 June 2012	A	1,2
3	21 June 2012	C	7,8
3	21 June 2012	D	9
3	21 June 2012	H	1,2
3	26 June 2012	J	1,2
3	12 July 2012	D	7
3	12 July 2012	E	25
3	23 July 2012	C	3,4
3	07 August 2012	C	13,14
3	07 August 2012	Foreword	0
3	03 September 2012	D	5
3	04 September 2012	B	1,2
3	06 September 2012	C	11,12
3	18 September 2012	C	17
3	18 September 2012	J	1,2
3	08 October 2012	E	7,8
3	08 October 2012	H	3,4,6
3	08 October 2012	Foreword	0,1,2
3	11 October 2012	C	13,14
3	18 October 2012	E	7,8,25
3	23 October 2012	B	3
3.1.1	22 November 2012	A	1
3.1.1	22 November 2012	H	1
3.1.1	23 November 2012	Front Cover	1
3.1.1	30 November 2012	F	7
3.1.1	03 December 2012	D	1,7
3.1.1	03 December 2012	C	17
3.1.1	04 December 2012	H	5
3.1.1	06 December 2012	F	7,8
3.1.2	03 January 2013	F	8
3.1.2	03 January 2013	D	5,6
3.1.3	21 January 2013	F	7
3.1.4	01 February 2013	D	9
3.1.5	05 March 2013	C	17,18
3.2.0	08 March 2013	A	ALL
3.2.0	08 March 2013	H	1,5,6
3.2.1	25 March 2013	C	7,8
3.2.1	26 March 2013	D	5
3.2.1	28 March 2013	E	1
3.2.1	28 March 2013	B	1,2

M6 and FS6000

Issue Number	Date Incorporated	Section	Pages Affected By Amendment
3.2.2	4 March 2013	C	13
3.3.0	18 April 2013	F	ALL
3.3.1	16 May 2013	H	5,6
3.3.1	12 July 2013	C	15
3.3.1	12 July 2013	H	6
3.3.2	27 August 2013	B	1
3.3.3	06 September 2013	Forward	0
3.3.3	06 September 2013	C	1,2
3.3.3	10 September 2013	B	1,2
3.4.0	10 October 2013	B	ALL
3.4.0	10 October 2013	G	5
3.4.0	10 October 2013	H	5
3.4.1	26 November 2013	Foreword	3
3.4.2	12 February 2014	A	3
3.4.2	12 February 2014	C	15,17
3.4.2	12 February 2014	H	5,7
3.4.2	22 May 2014	F	17
3.4.2	23 May 2014	C	5
3.4.3	26 June 2014	C	13-21
3.4.3	26 June 2014	F	19,20
3.4.3	18 August 2014	D	11
3.4.3	18 August 2014	Front Cover	Front Cover
3.4.3	18 August 2014	B	1,2
3.4.3	19 August 2014	H	1
3.4.3	19 August 2014	F	15,16
3.4.3	20 August 2014	D	4
3.4.3	15 September 2014	B	1,2

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CONTROLS AND INSTRUMENTS SECTION A

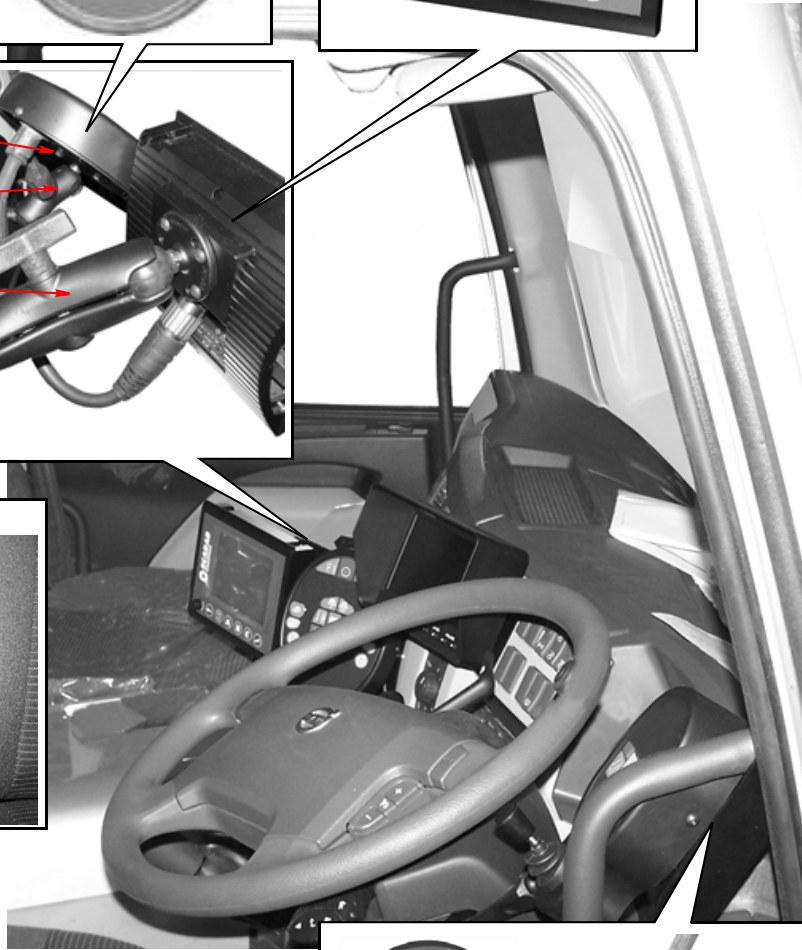
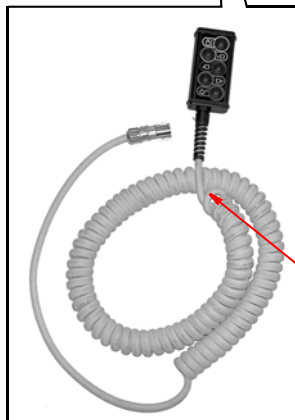
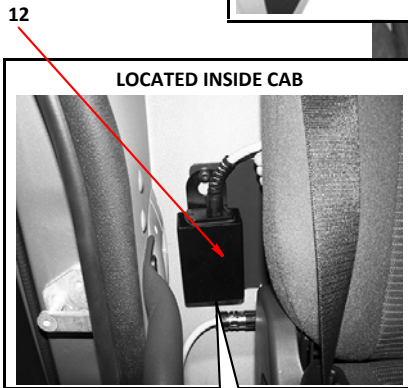
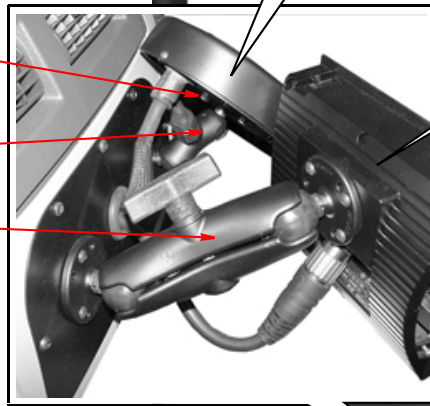
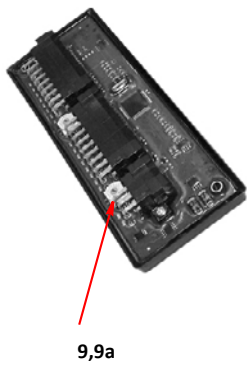
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Cab Items - Controls - CANbus 3.1	3

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Cab Items - Controls - CANbus 3			
1		1	Main control panel Page H1
2	037055	1	. Fixing plate, enclosure, main control panel
	000346	1	. . Screw, socket button head, M5 x 16mm
	000155	1	. . Nut, M5, Nyloc
3	030188*	1	. Ball joint, main control panel
NI	036912	1	. Loom, main control panel Page H5
NI	036914	1	. . Loom, main control panel, power Page H5
4	037046	1	Display screen Page H1
NI	036916	1	. Loom, display screen Page H5
5	032108*	1	. Ball joint, display screen
6		1	Auxiliary controller (door pod) Page H1
NI	036913	1	. Loom, auxiliary controller, (door pod) Page H5
NI	036915	1	. . Loom, auxiliary controller, power, (door pod) Page H5
7	*	1	. Bracket, mounting, auxiliary controller (door pod)
8	037064	1	. Clamp, fixing plate
NI	038013	1	Loom, cab Page H5
9	036799**	3	Node, cabinet module (CR2012) Page H1
9a	038985**	3	Node, E9G212, cabinet module (CR2012) Page H1
NI	*	AR	. Bracket, mounting, cabinet module
10	037074***	1	Hopper remote controller, complete Page H1
NI	037047	1	. Loom, hopper remote controller Page H5
11	037300	1	. Storage pocket, hopper remote controller
12	037048		Sounder (for keypad) Page H6

Notes:-

- * These are examples of screen and control mountings. They are subject to the chassis/cab they are being installed on. Please contact Scarab Parts Department for further information.
- ** Please contact the Scarab Parts Department regarding these nodes.
- *** Not used if Hopper and Rear Door Hydraulic Operating Levers are fitted.

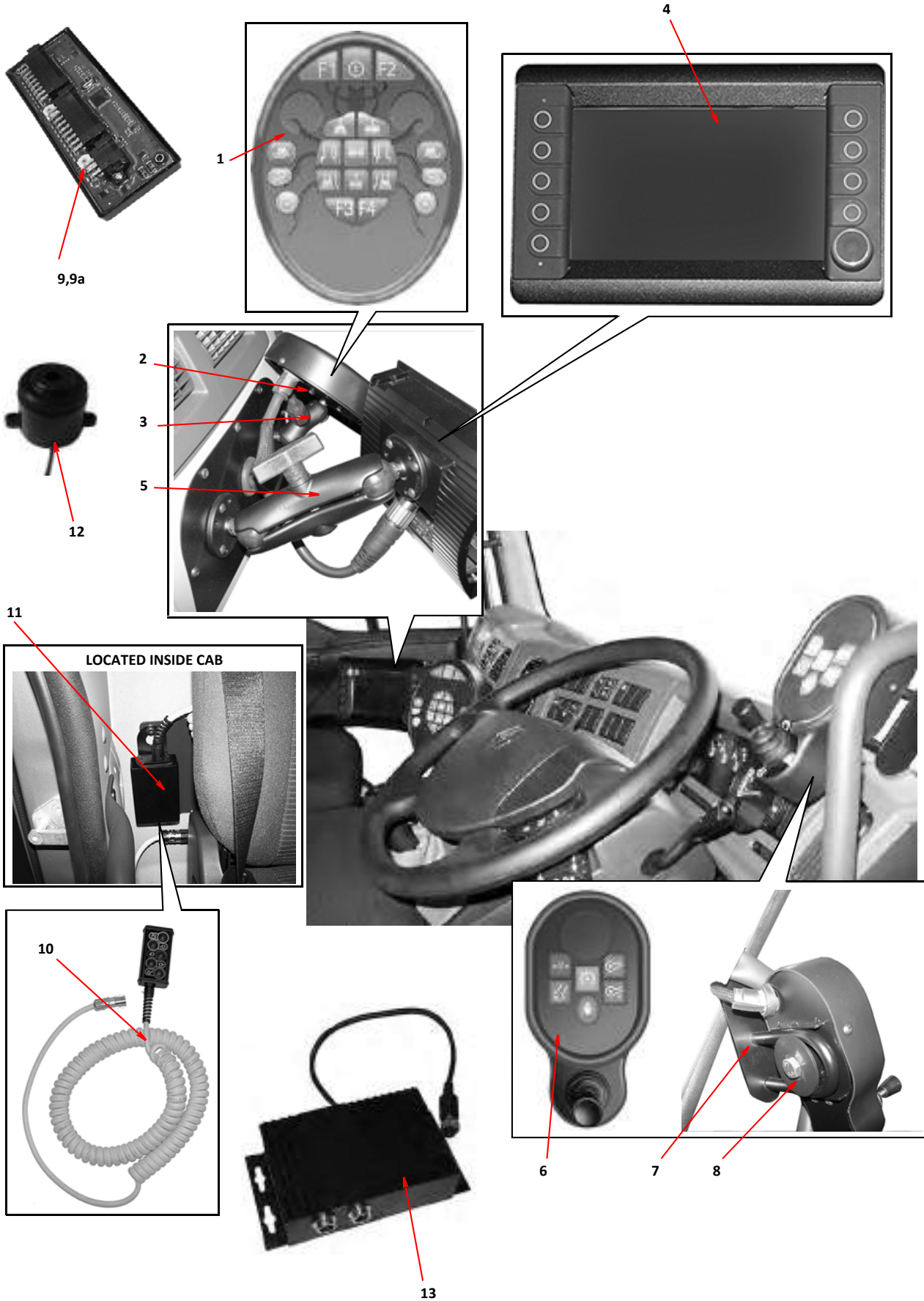


MAIN CONTROLS - CANbus 3

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Cab Items - Controls - CANbus 3.1			
1		1	Main control panel Page H1
2	037055	1	. Fixing plate, enclosure, main control panel
	000346	1	. . Screw, socket button head, M5 x 16mm
	000155	1	. . Nut, M5, Nyloc
3	030188*	1	. Ball joint, main control panel
NI	036912	1	. Loom, main control panel Page H5
NI	036914	1	. . Loom, main control panel, power Page H5
4	038553	1	Display screen Page H1
NI	036916	1	. Loom, display screen Page H5
NI	040353	1	. Loom, power supply, rear camera Page C17, H5
NI	040355	1	. Loom, rear camera Page C17, H5
5	032108*	1	. Ball joint, display screen
6		1	Auxiliary controller, (door pod), new fan symbols Page H1
NI	036913	1	. Loom, auxiliary controller, (door pod) Page H5
NI	036915	1	. . Loom, auxiliary controller, power, (door pod) Page H5
7	*	1	. Bracket, mounting, auxiliary controller (door pod)
8	037064	1	. Clamp, fixing plate
NI	038013	1	Loom, cab Page H5
9	036799**	3	Node, cabinet module (CR2012) Page H1
9a	038985**	3	Node, E9G212, cabinet module (CR2012) Page H1
NI	*	AR	. Bracket, mounting, cabinet module
10	037074***	1	Hopper remote controller, complete Page H1
NI	037047	1	. Loom, hopper remote controller Page H5
11	037300	1	. Storage pocket, hopper remote controller
12	037048	1	Sounder (for keypad) Page H6
13	041534	1	Camera splitter unit Page H6

Notes:-

- * These are examples of screen and control mountings. They are subject to the chassis/cab they are being installed on. Please contact Scarab Parts Department for further information.
- ** Please contact the Scarab Parts Department regarding these nodes.
- *** Not used if Hopper and Rear Door Hydraulic Operating Levers are fitted.



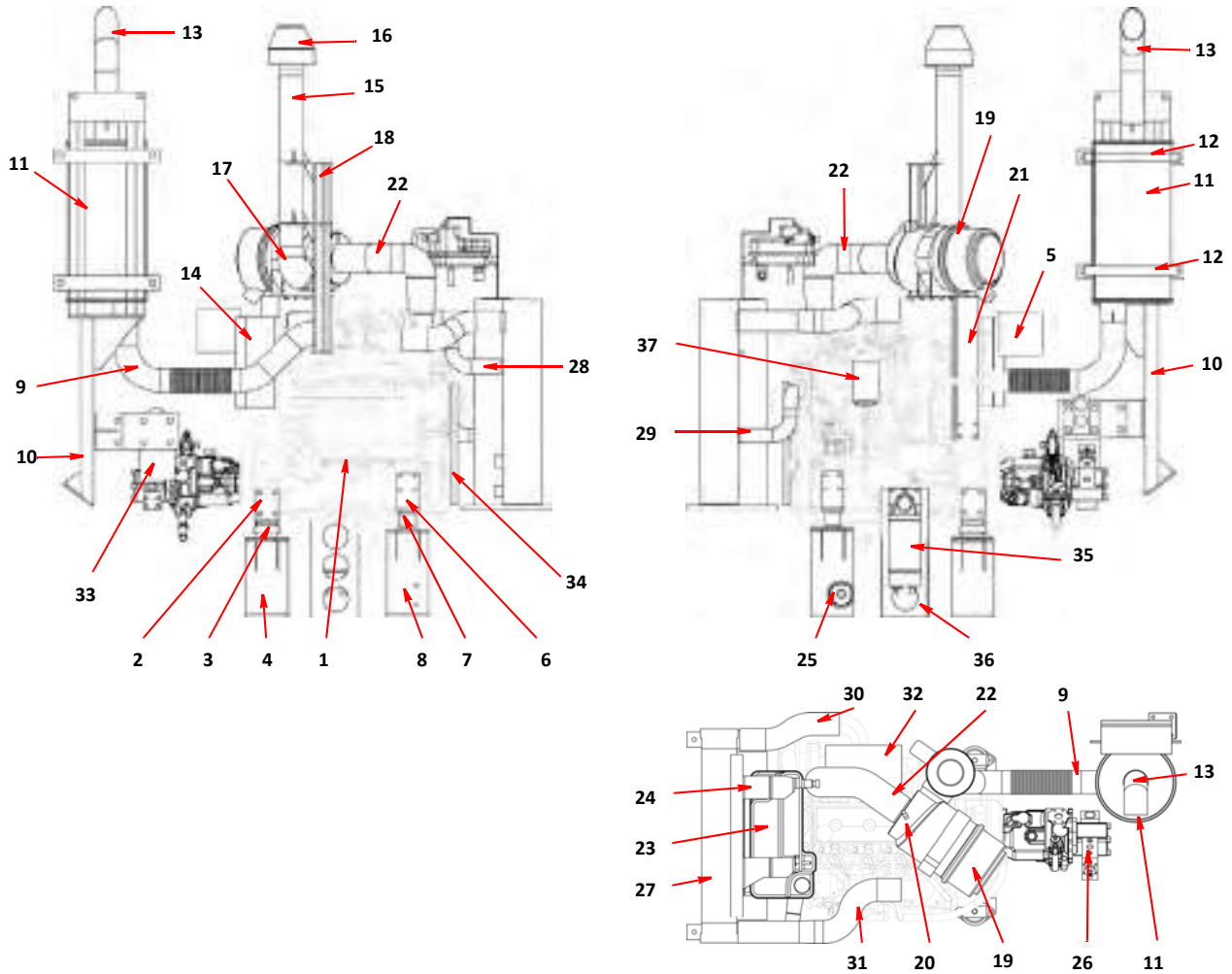
MAIN CONTROLS - CANbus 3.1

AUXILIARY ENGINE SECTION B

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<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
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	038801	1	. . . Frame, junction box (pre WK8239)
NI	038802	1	. . . . Mount, junction box (pre WK8239) Page H3
NI	040602	1	. . . Frame, junction box and fuel filter (WK8239 onwards)
5	037308	1	. . . . Enclosure, battery junction box Page H3
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	034371	1	. Air stack (pre WK8239)
15	040603	1	. Air intake stack (WK8239 onwards)
16	036022	1	. . Cap, air stack
17	025550	1	. . Elbow, air stack, rubber
18	037191	1	. . Support, air stack (pre WK8239)
NI	040604	1	. . Bracket, air stack (WK8239 onwards)
	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 F1
24	035537	1	. . Bracket, expansion tank (pre WK8239))
NI	040605	2	. . Bracket, expansion tank (WK8239 onwards)
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 F21
26		1	. Pump, hydraulic, arrangement Page F13
27	033711	1	. Radiator, combined oil and intercooler Page F1
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



AUXILIARY ENGINE - GENERAL ARRANGEMENT

Item	Part Number	Quantity	Description
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Auxiliary Engine General Arrangement - Continued

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	034593	1	. . Bracket, pre-fuel filter (pre WK8239)
37	034960	1	. Filter, fuel

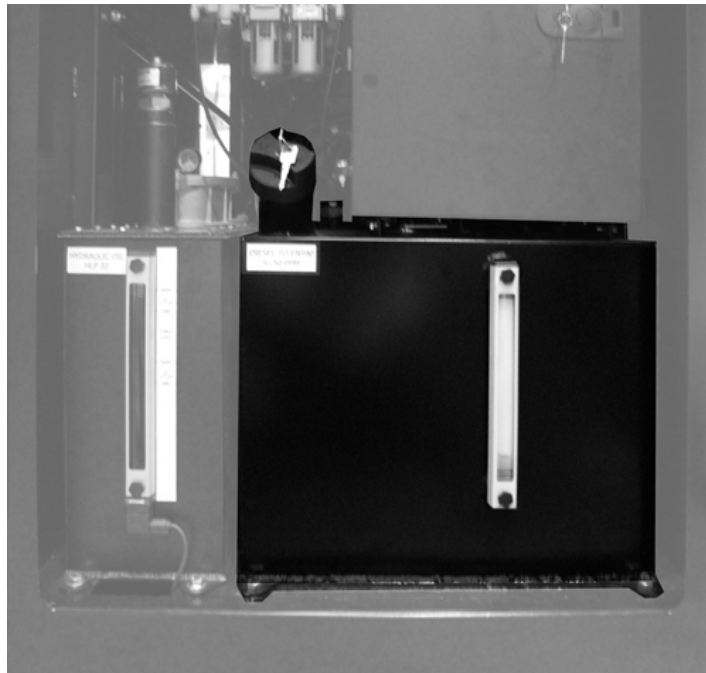
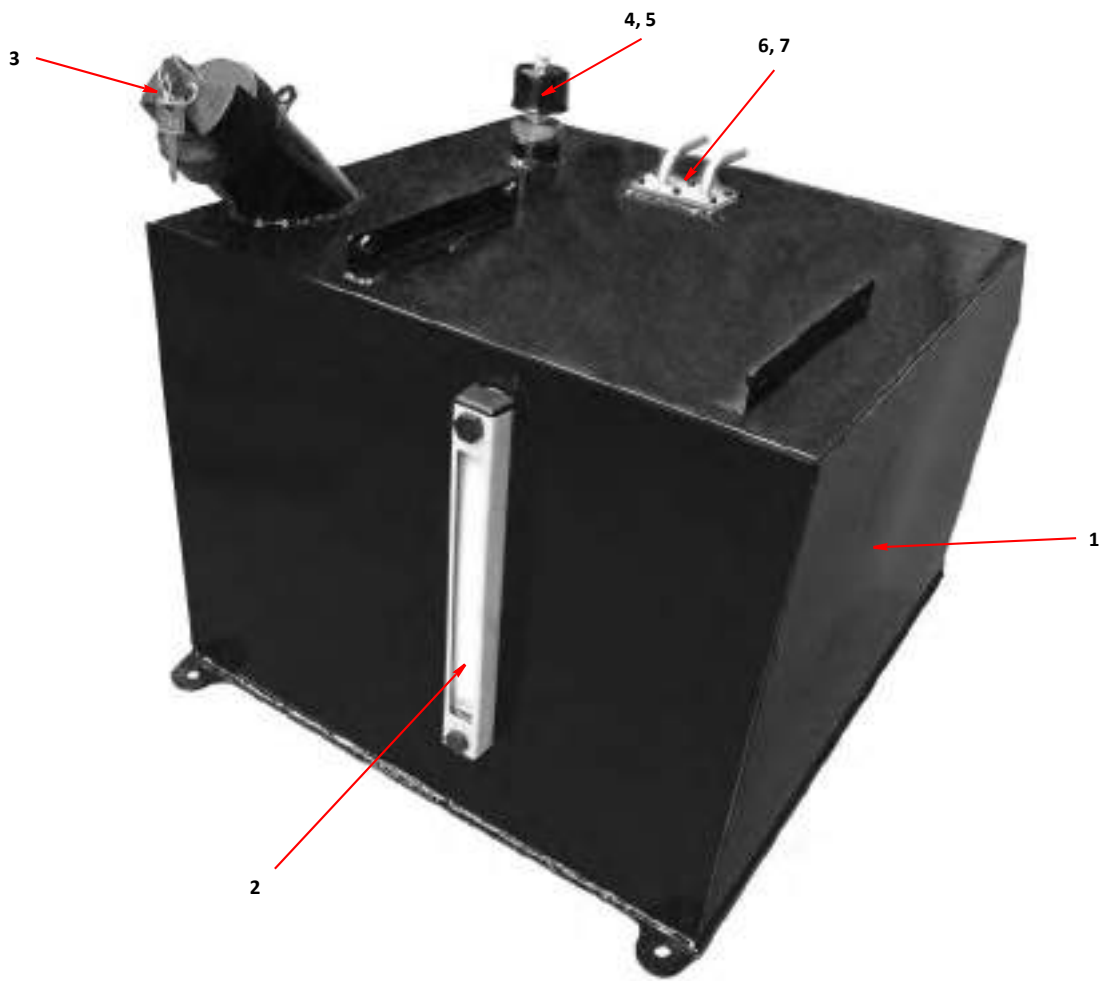
Additional Cummins Replacement Components*

NI	TBA	1	. Starter Motor - QSB3.3 Engine
NI	TBA	1	. Alternator - QSB3.3 Engine
NI	TBA	1	. Turbo-charger - QSB3.3 Engine
NI	TBA	1	. Thermostat - QSB3.3 Engine
NI	TBA	1	. Gasket, valve cover - QSB3.3 Engine
NI	TBA	1	. Oil drain plug & gasket - QSB3.3 Engine

Notes:-

* Please contact Scarab Parts Department regarding this engine as there are different versions depending on the part of the world the engine is intended for also for parts marked 'TBA' and all Cummins Service Kits. 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>

<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 C1
2	032662	1	. Gauge, fuel level
NI	021979	2	. . Washer, rubber
3	033332	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, 1/2" BSP
NI	011154	1	. . Seal, Dowty, 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	1	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.

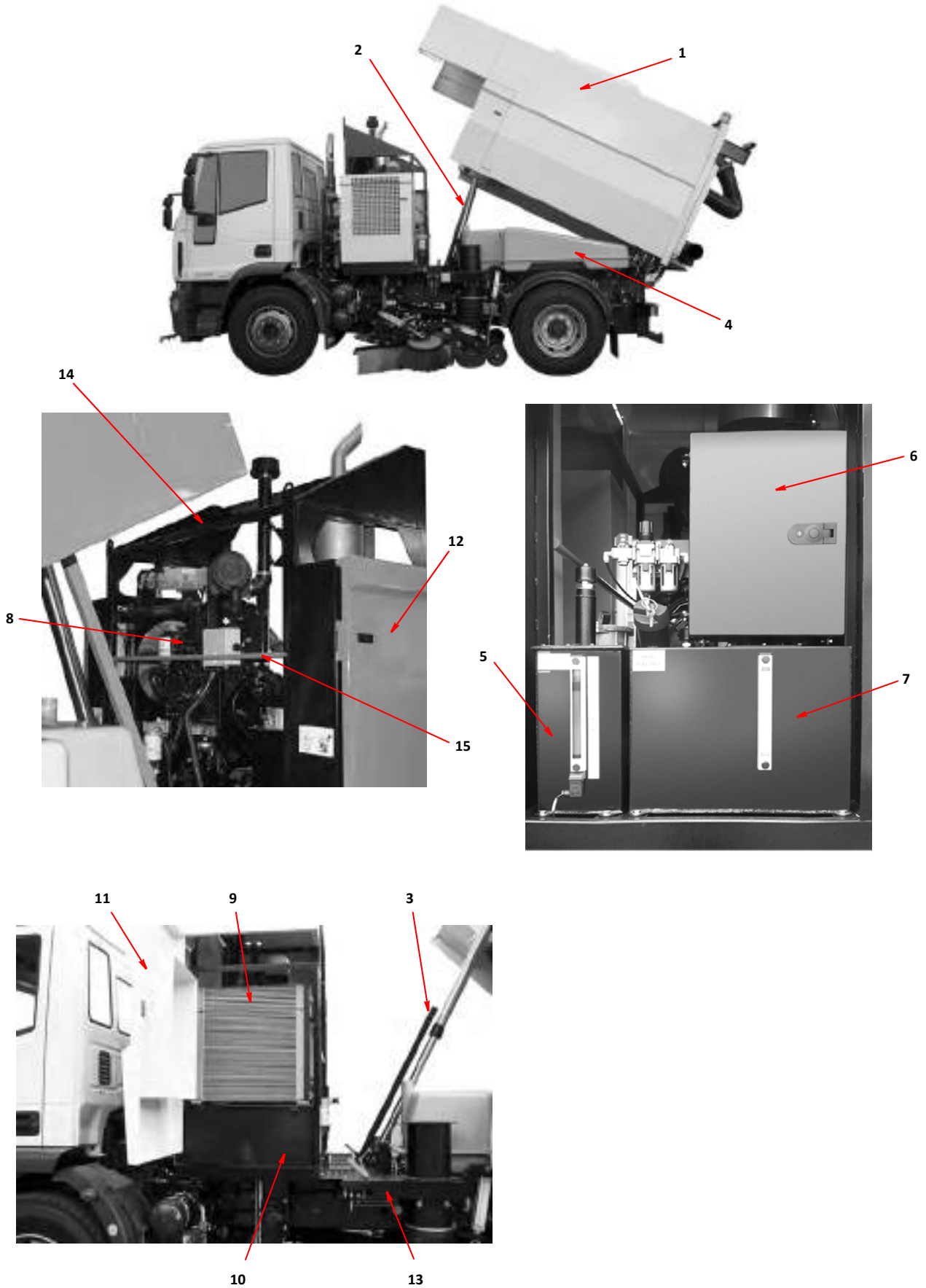
** This service is required every 2000 hours or annually which ever comes first.

SUBFRAME, HOPPER & RELATED EQUIPMENT SECTION C

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<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Hopper and Subframes General Arrangement			
1	034263	1	Hopper Page C5
2	024249	1	Hopper lifting ram Page F19
3	034373	1	Hopper safety prop Page C3
4	034333	1	Water tank Page E1
5	034328	1	Oil tank, hydraulic Page F3
6	038209	1	Enclosure, (node/pneumatic) Page H3
7	034324	1	Tank, diesel fuel Page B3
8	033194	1	Auxiliary engine Page B1
9	033711	1	Radiator oil/water Page F1
10	034323	1	Enclosure, door (hydraulic valves) Page F5
	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

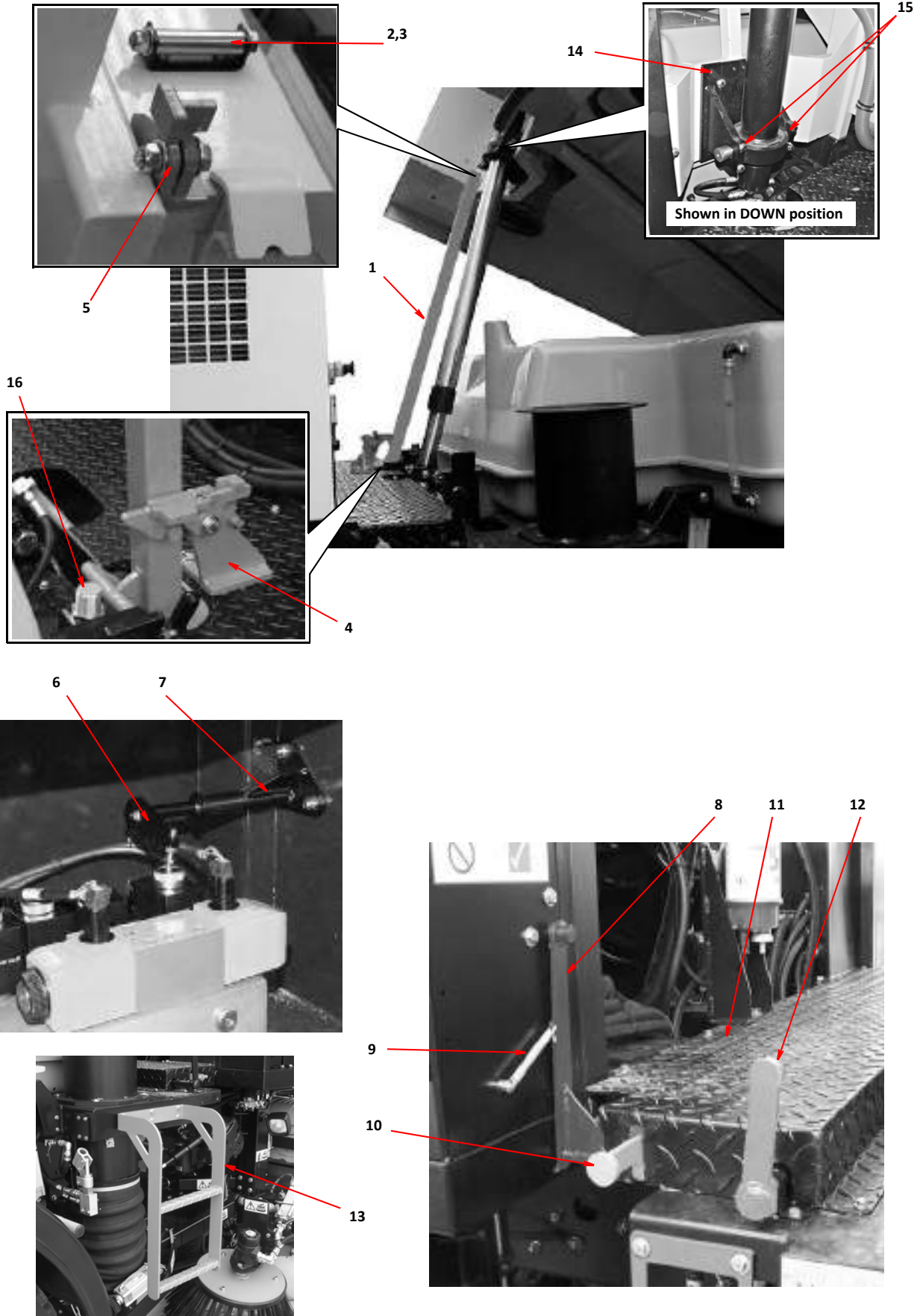


HOPPER AND SUBFRAMES GENERAL ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Manual Hopper Safety Prop and Bypass Valve Controls			
1	034373	1	Hopper safety prop Page C1
NI	036240	1	. Spacer
	011133	1	. Bolt, M16 x 100mm
	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 H5

Notes:-

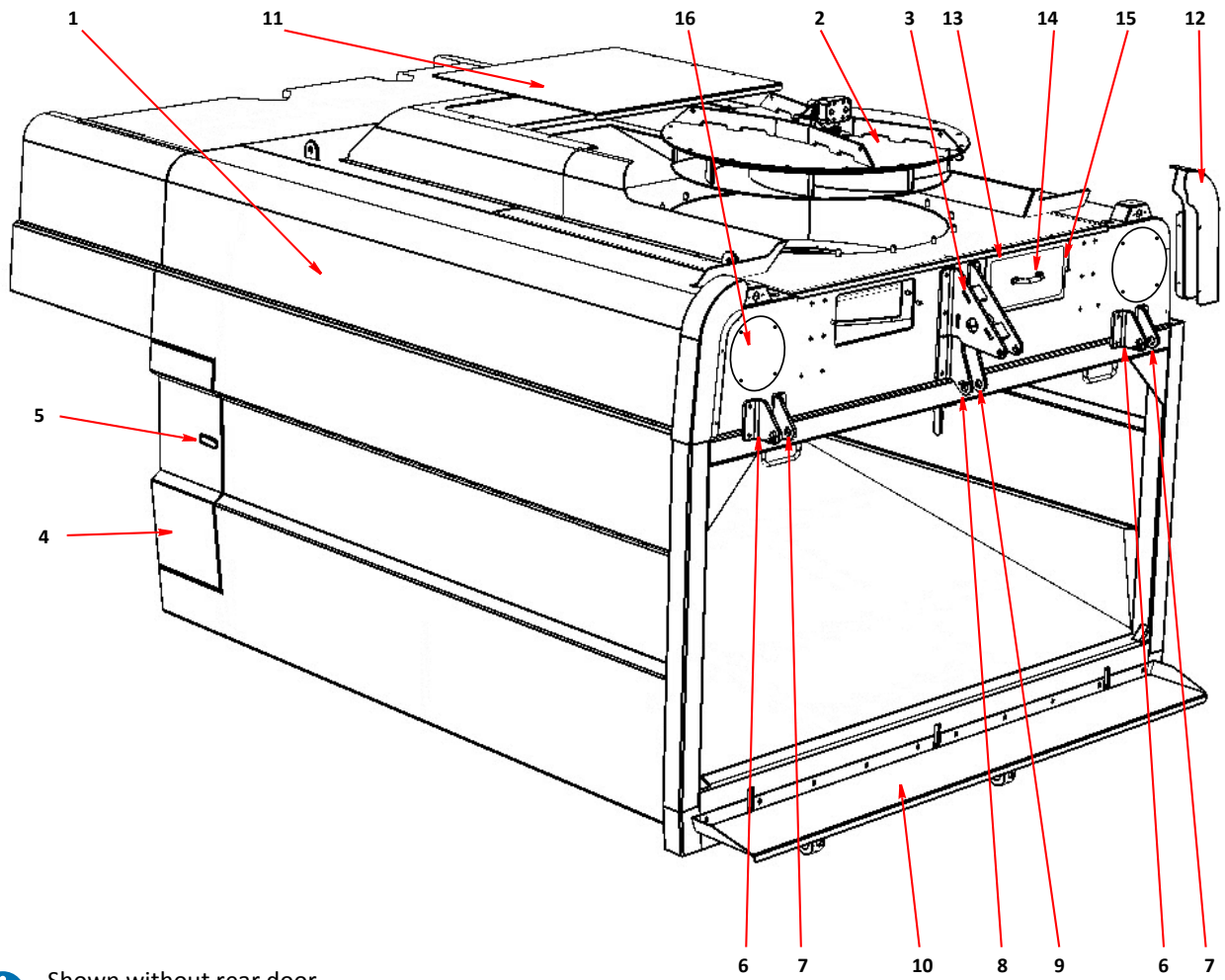
* Part and associated parts not fitted to sweeper with hopper remote control switch box.



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 C1
2	025564	1	. Suction fan assembly Page C11
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)
NI	034728*	1	. Capping, LH
NI	040017*	1	. Capping LH (slotted)
13	030728	2	. Inspection cover, outer
14	010502	2	. . Handle
15	000248	4	. . Grip nut with brass insert, M8
16	025486	2	. Cover plate, wander boom attachmentPage C13, C17
	000264	8	. . Washer, M8, stainless steel
	000263	8	. . Nut, M8, Nyloc, stainless steel

Notes:-
 * Please contact Scarab Part Department regarding these parts.

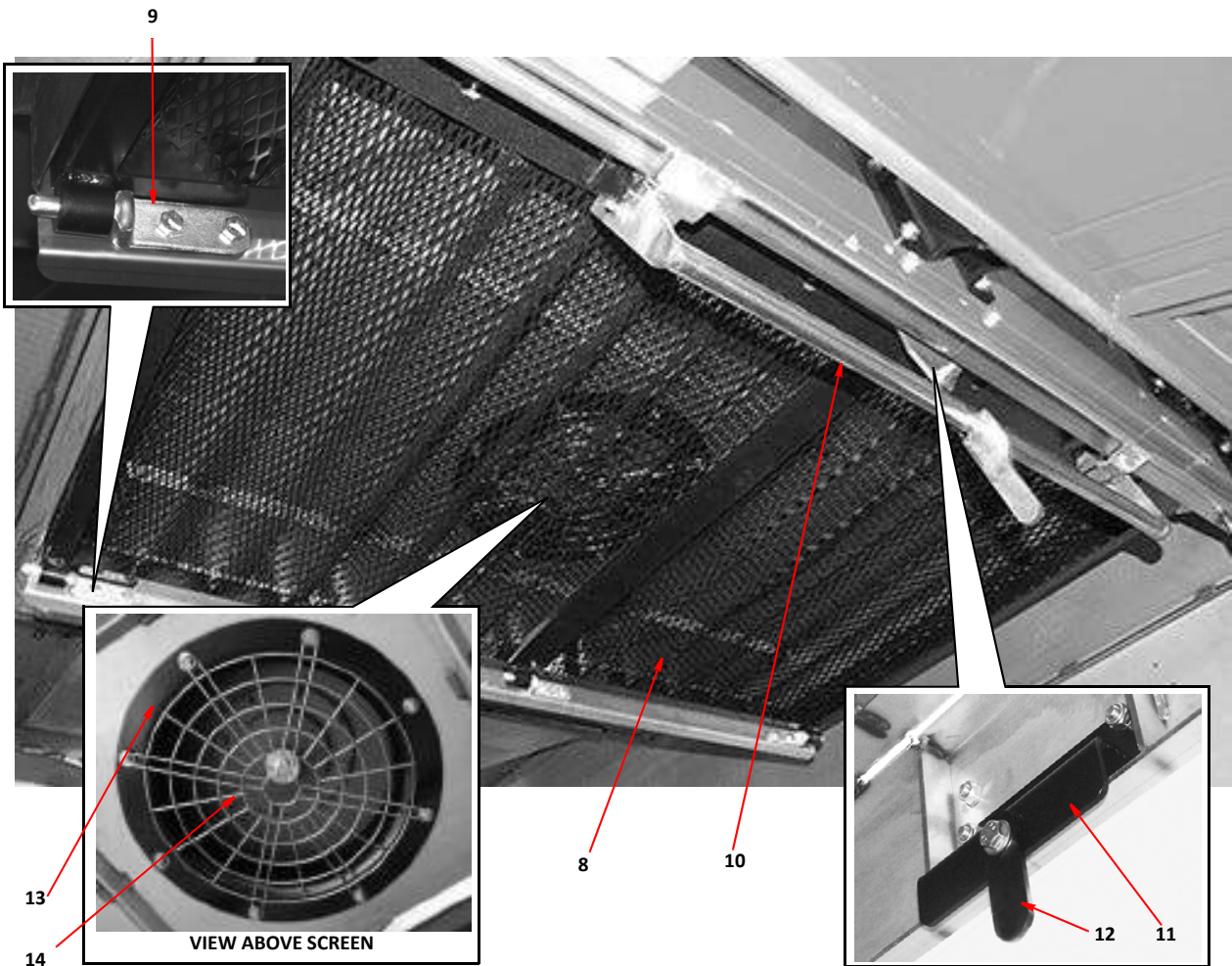
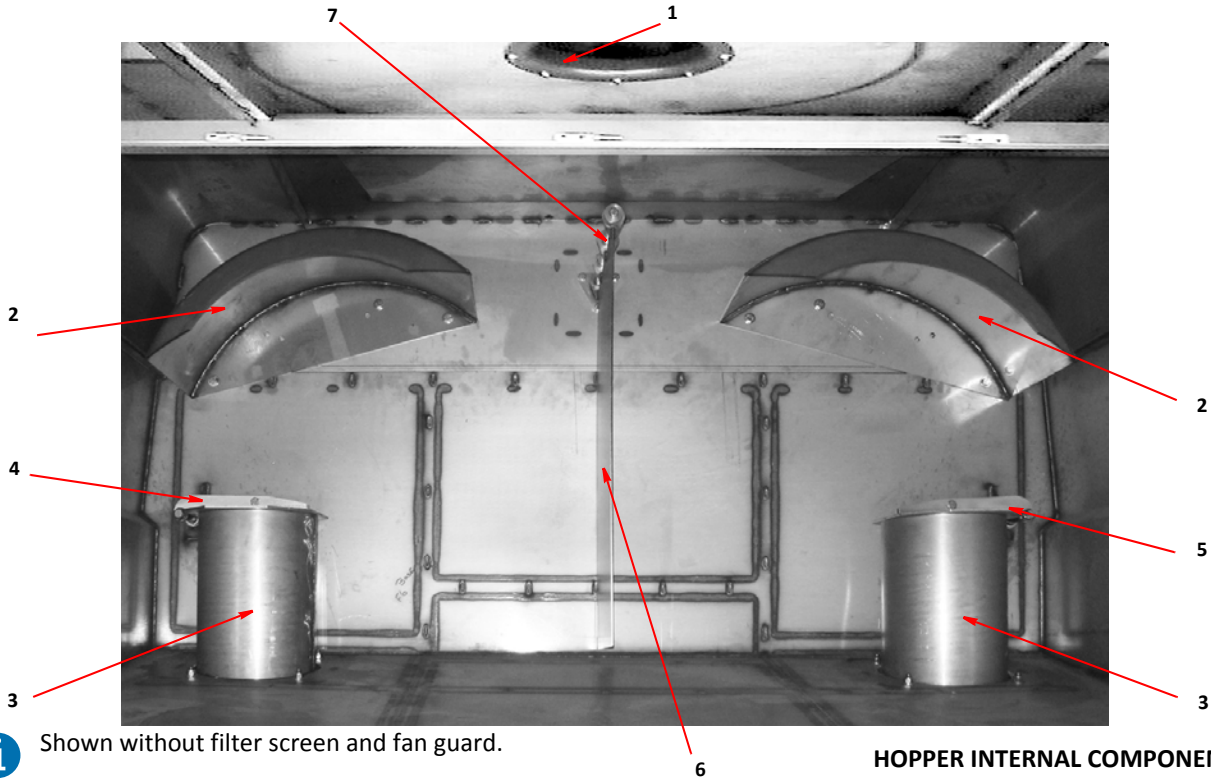


i Shown without rear door.

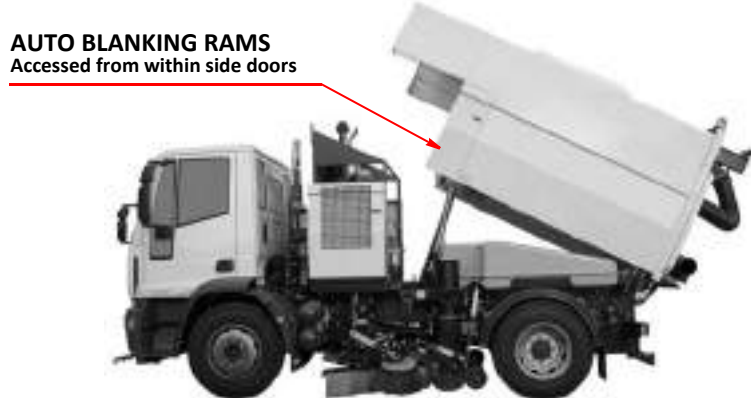
HOPPER GENERAL ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Hopper Internal Components			
1	024790	1	Cone, inlet, suction fan
2	022644	AR	Deflector, universal
2	034718	AR	Deflector, universal, PU coated (option)
	011055	AR	. Bolt, M12 x 65mm
	011051	AR	. Setscrew, M12 x 25mm
	011077	AR	. Nut, M12, Nyloc
3	034367	AR	Deflector tube
3	035280	AR	Deflector tube, PU coated (option)
4	021517	1	Flap arm LH Page C9
5	021518	1	Flap arm RH Page C9
6	031888	1	Deflector flap Page C9
7	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			
8	024668	1	Screen, filter
9	025245	3	. Hinge, points
	000257	6	. . Setscrew, M8 x 25mm, stainless steel
	000263	6	. . Nut, M8, Nyloc
10	039312	1	. Screen handle catch
	000257	4	. . Setscrew, M8 x 25mm, stainless steel
	000263	4	. . Nut, M8, Nyloc, stainless steel
	011092	4	. . Washer, M8
11	028052	1	. Bracket, safety link
12	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	024790	1	Cone, inlet, suction fan
14	039674	1	. Fan guard
	000263	8	. Nut, M8, Nyloc, stainless steel
	000264	8	. Washer, M8, stainless steel
NI	034091	1	. Repair ring (requires welding)

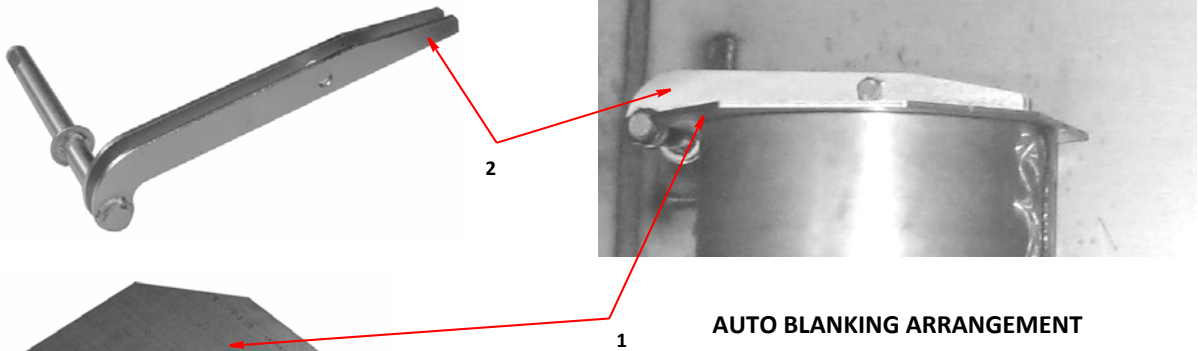


Item	Part Number	Quantity	Description
Auto Blanking - Arrangement (per side)*			
1	021514	1	Flap, blanking
1	034716	1	Flap, blanking, PU coated (option)
2	021517	1	. . Flap arm LH Page C7
NI	021518	1	. . Flap arm RH Page C7
3	034397	2	. . Flap lever, RH
NI	034396	2	. . Flap lever, LH
NI	013488	4	. . Bush
4	021467	2	. . Pneumatic cylinder 40mm x 200mm Page G9
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

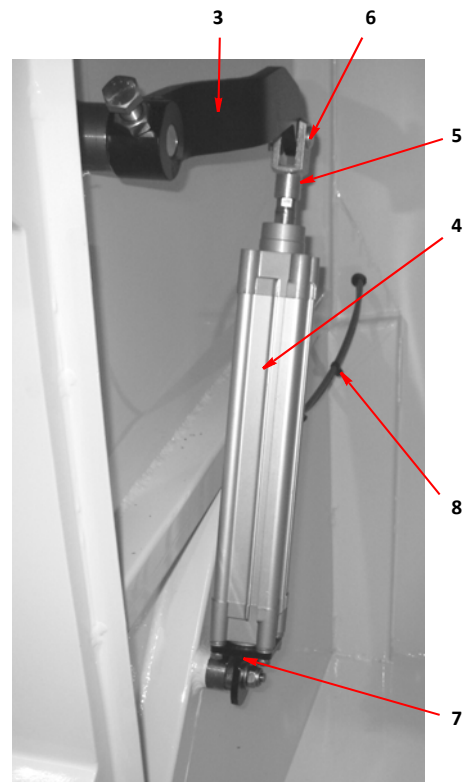


Item	Part Number	Quantity	Description
Deflector Flap Assembly			
9	031888	1	Deflector flap Page C7
9	034723	1	Deflector flap, PU coated (option)
10	030536	1	Mounting Bar
NI	011032	3	. . Setscrew, M10 x 30mm
NI	011075	3	. . Nut, M10, Nyloc
NI	011094	3	. . Washer M10
11	030537	1	. Locking ring
NI	011031	1	. . Setscrew, M10 x 25mm
NI	011095	1	. . Spring washer, M10

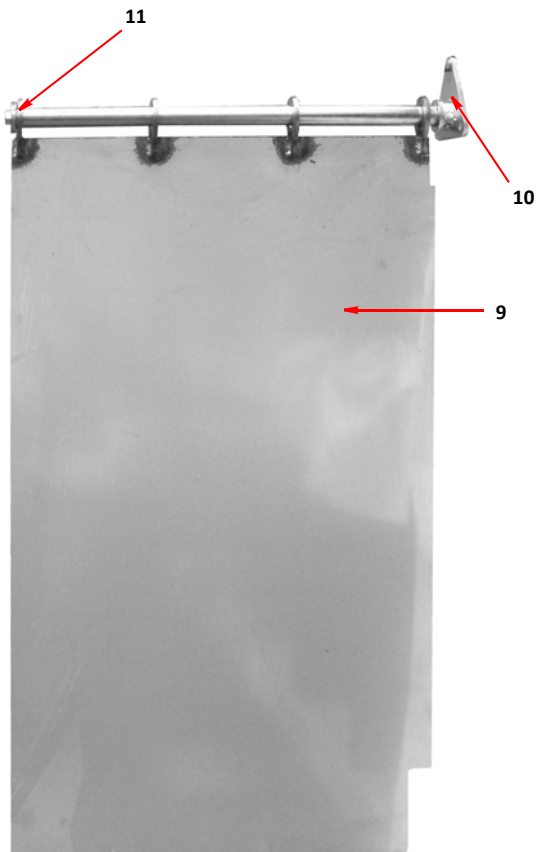
Notes:-
 * Items listed in this parts list are identical for both LH and RH blanking assemblies, except where identified specifically for one side only.



AUTO BLANKING ARRANGEMENT

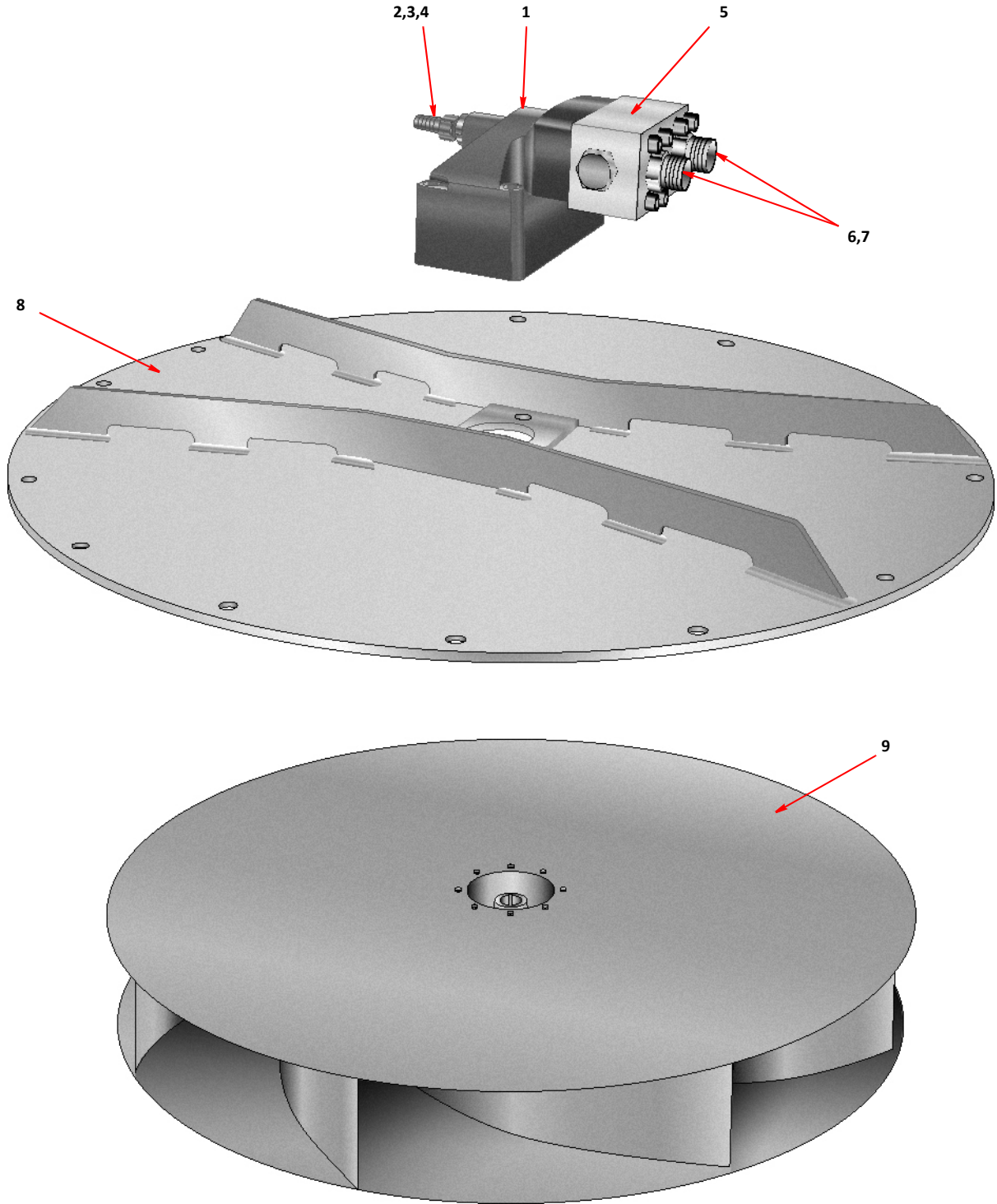


Guard removed for clarity



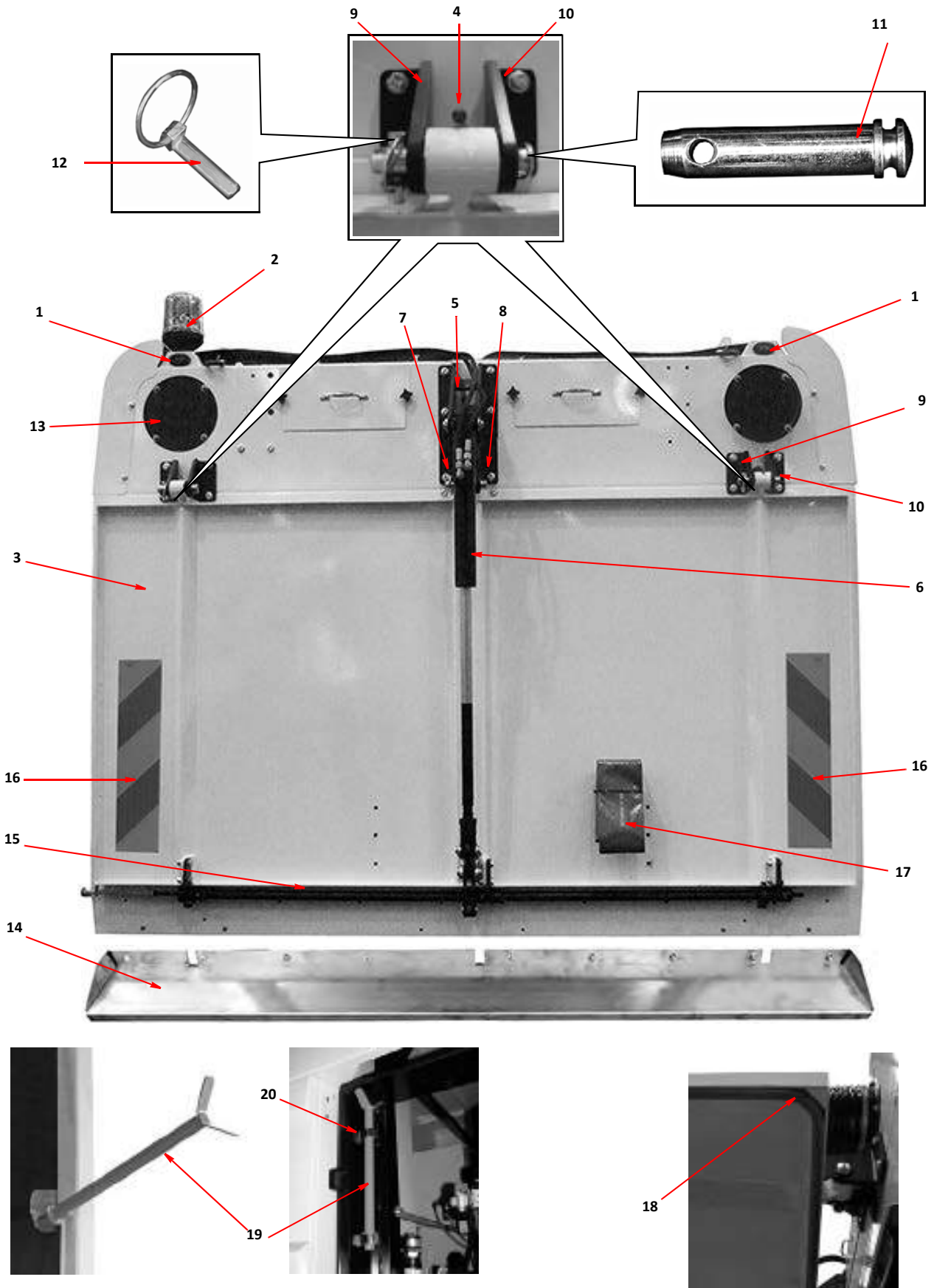
DEFLECTOR FLAP ASSEMBLY

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Suction Fan Assembly			
1	024641	1	. Fan motor assembly Page F15
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 H6
2	014064	1	Beacon, 24 Volt	Page H6
3	039262	1	Rear door, standard	
NI		1	Rear door, with inspection/cleaning hatch	Page C17
NI	034298	1	Rear door, for door attached wander hose	Page D17
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 F19
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 C5, C17
	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 C15
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 D15
18	030806	1	Door seal	
19	039683	1	Safety prop, hopper rear door	
20	014806	2	. Clip, stowage, safety prop, hopper rear door	

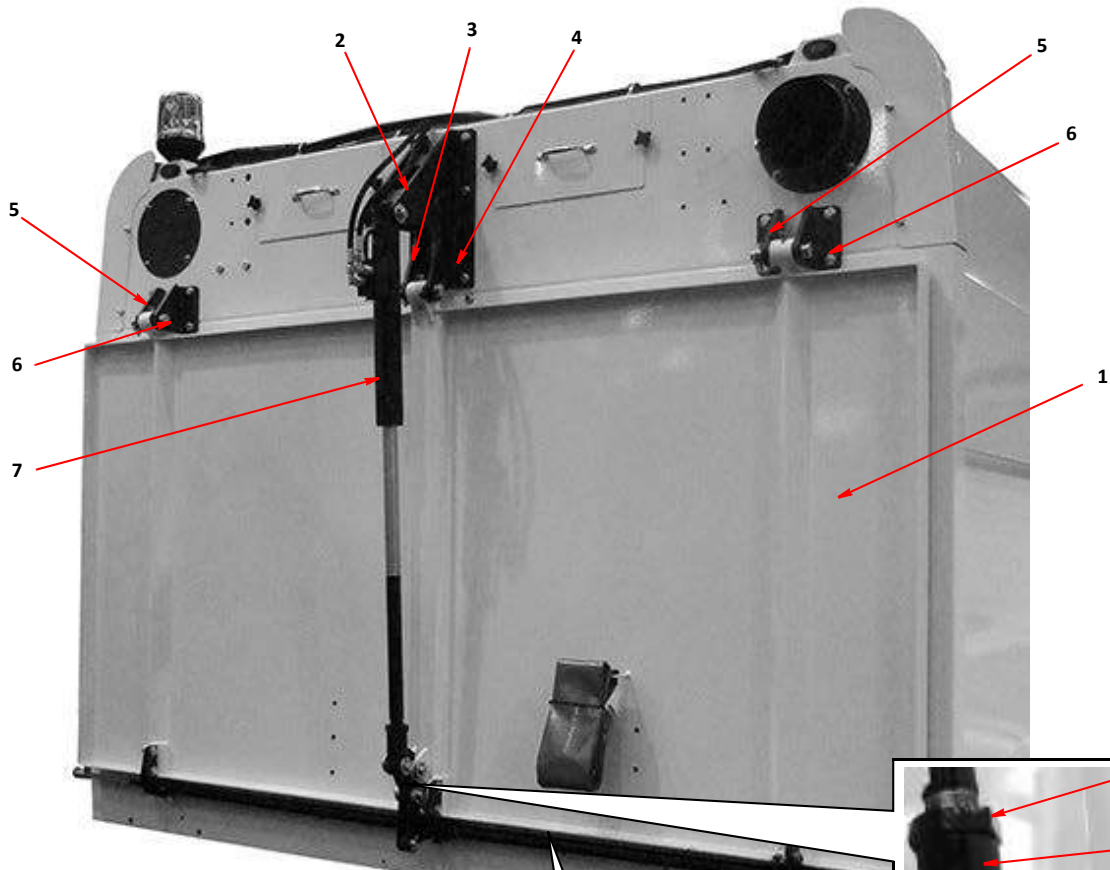


i Rear door shown without optional rear wander boom or optional rear inspection/cleaning hatch.

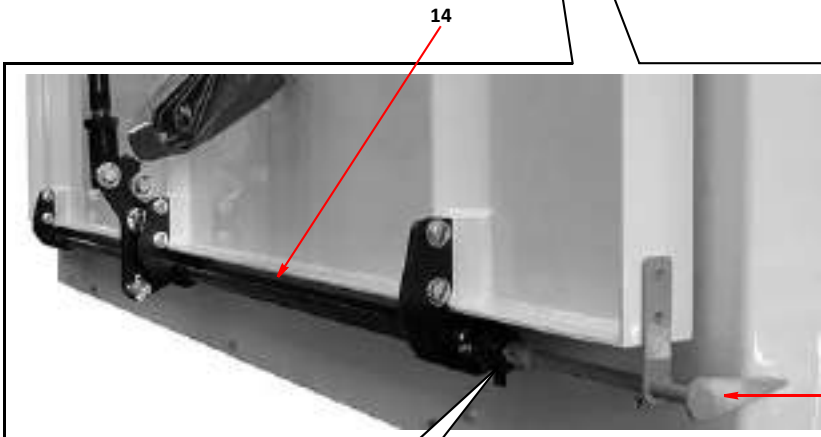
REAR DOOR & HOPPER ARRANGEMENT

Subframe, Hopper & Related Equipment

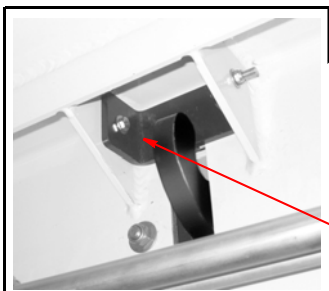
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Rear Door Ram, Opening and Locking Arrangement			
1	039262	1	Rear door, standard
2	034309	1	Bracket, rear door hydraulic ram hinge
	011032	4	. Setscrew, M10 x 30mm
	011074	8	. Washer, M10
	011075	4	. Nut, M10, Nyloc
3	035709	1	Bracket, 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 F19
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 C13
15	035654	1	. Locking flag
16	034322	3	. Wear plate
			Wander boom, rear door mounted arrangement Page D17



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

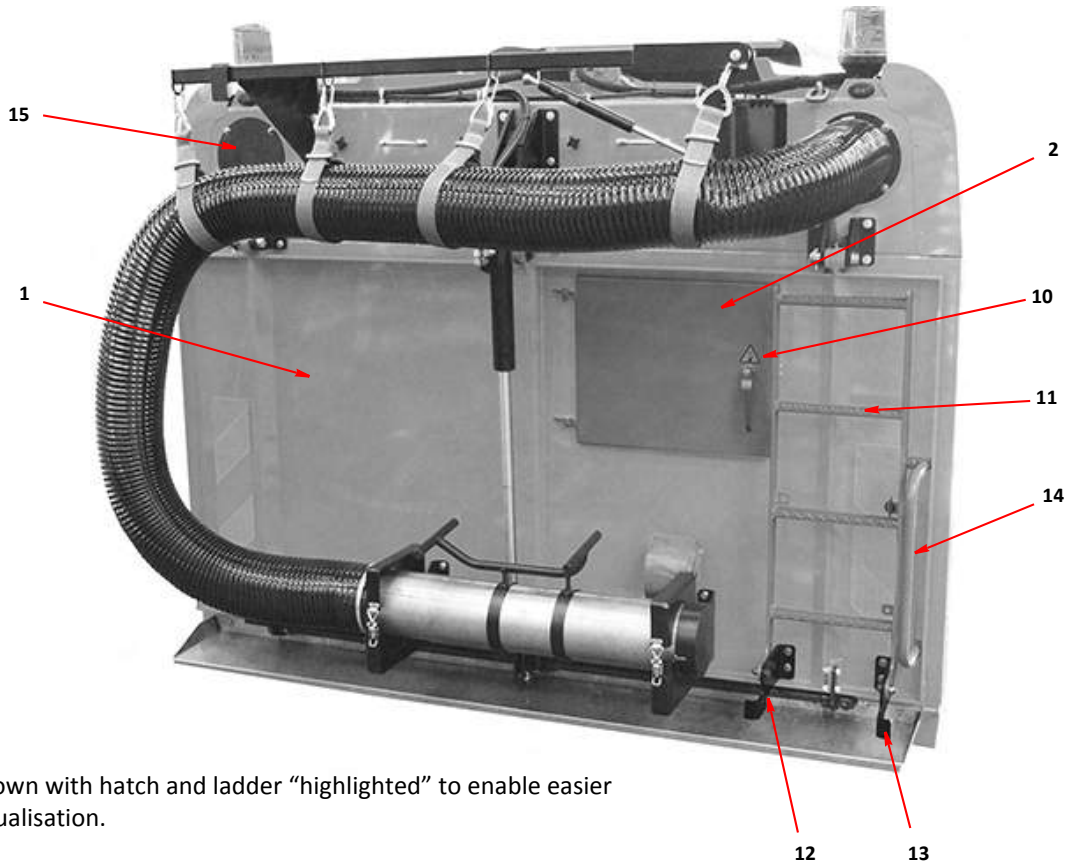


i Locking flag can be on either end of the locking bar assembly.

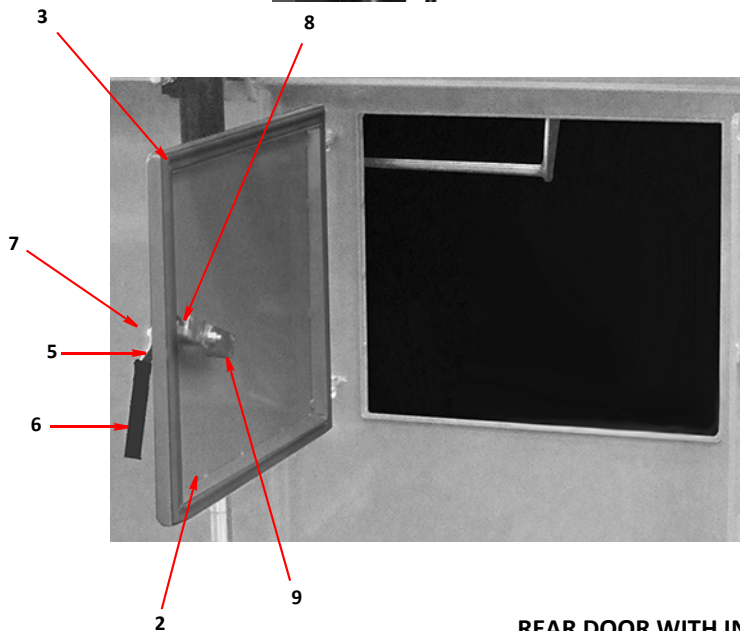
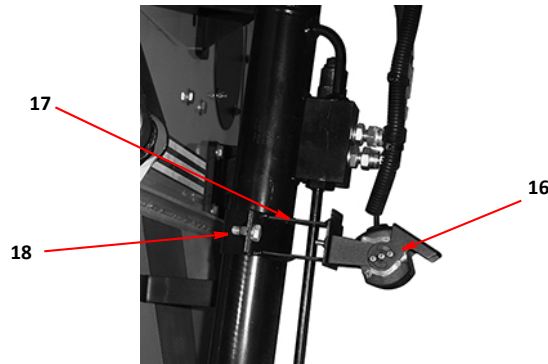


REAR DOOR RAM, OPENING AND LOCKING ARRANGEMENT

<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 C13
NI	039311	1	Rear door, with LH inspection/cleaning hatch Page C13
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 J1
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 C5, C13
	000264	4	. . Washer, M8, stainless steel
	000263	4	. . Nut, M8, Nyloc, stainless steel
16	040354	1	Rear camera Page H6
	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 A3, H5
NI	040355	1	. Loom, rear camera Page A3, H5
			Rear wander boom arrangement Page D15
NI	039866	1	Label, Warning, Ladder stowage, on rear door Page J1



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

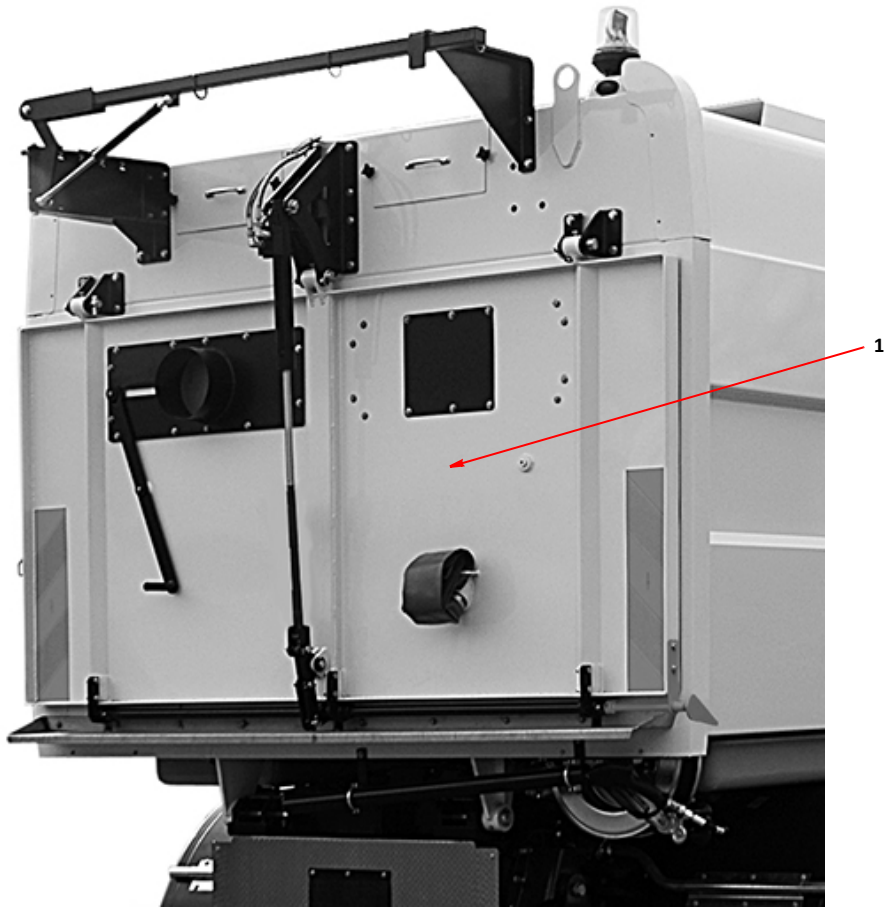


REAR DOOR WITH INSPECTION/CLEANING HATCH

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
1	034298*	1	Rear Door, Door Mounted Wander Hose Rear door, for door mounted wander hose Page D17 Wander boom, rear door mounted arrangement Page D17

Notes:-

* The door mounted rear wander hose arrangement has been superseded by the hopper mounted rear wander hose. See Page C17 and Page D15.



i Rear door for rear door mounted wander hose shown for reference purposes and shown without rear wander hose to aid clarity.

REAR DOOR, DOOR MOUNTED WANDER HOSE

SWEEPING AND SUCTION SECTION D

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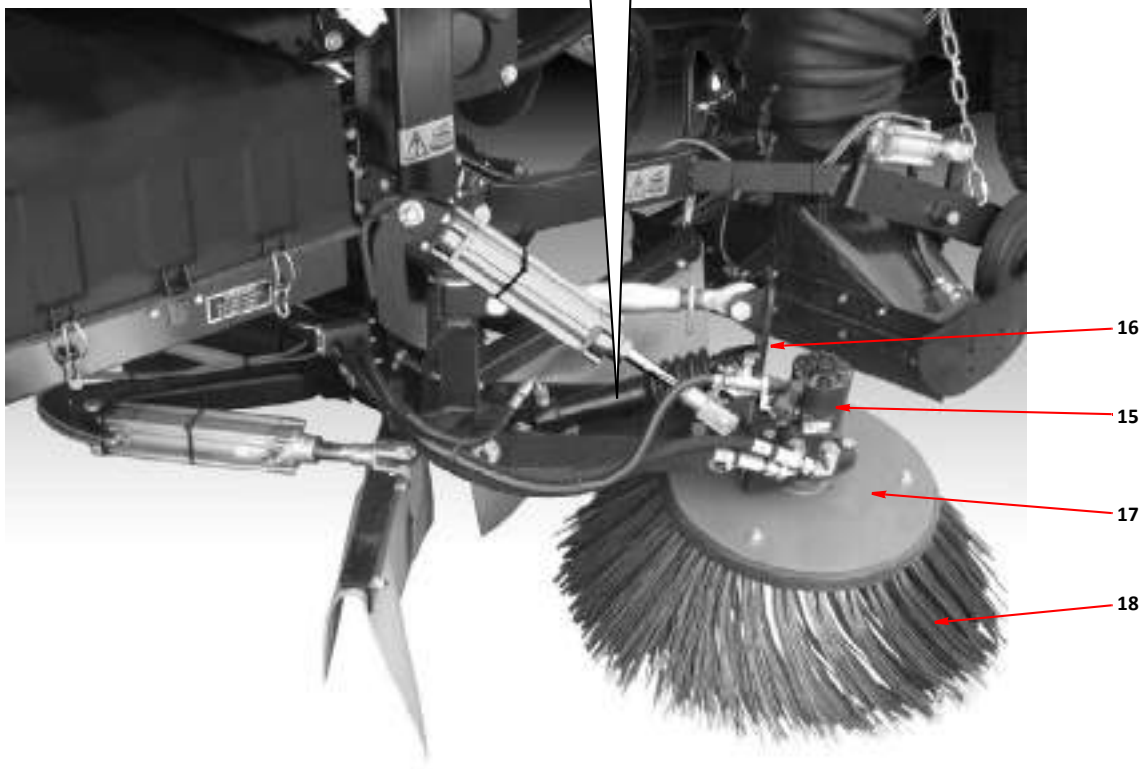
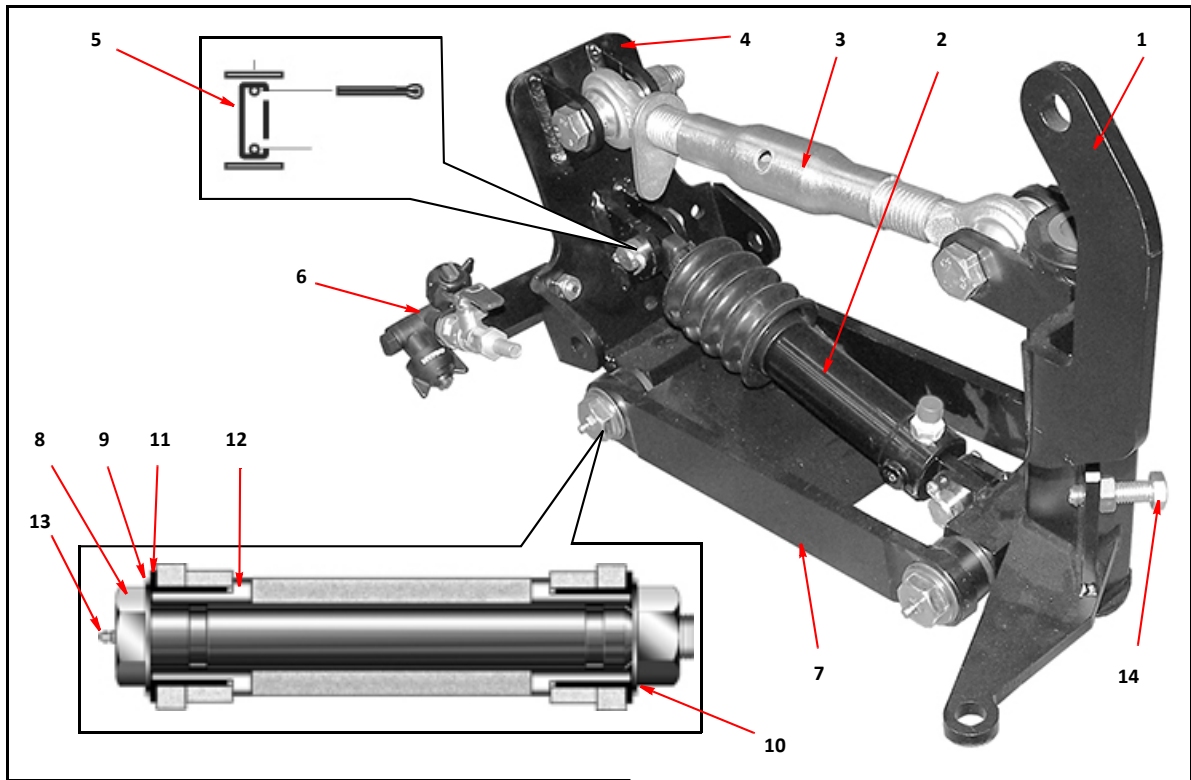
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Item	Part Number	Quantity	Description
Side Brush Lift Arrangement			
1	023124	1	. Kingpost, RH
NI	023120	1	. Kingpost, LH
2	024539	1	. . Ram, hydraulic (raise/lower) Page F19
3	013011	1	. . Link, top (turnbuckle)
	011140	2	. . . Bolt, M18 x 90mm
	011138	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 E19
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
	011076	1	. . . Nut, M12
15	010749	1	. . . Motor, hydraulic Page F17
16	023121	1	. . . Plate, motor swivel
	011075	2	. . . . Nut, M10, Nyloc
17	014067	1	. . . . Hub, side brush, 3 holes
NI	040058**	1	. . . . . Spacer, brush hub
	040197	1	. . . . . Washer, safety, Schnorr
	011012	1	. . . . . Screw, M8 x 30mm
18	023473	1	. . . . . Side brush, Ø400mm, 3 stud (steel) Page D13
NI	020921	1	. . . . . Side brush, Ø400mm, 3 stud (weed ripping) Page D13
NI	025744	1	. . . . . Side brush, Ø400mm, 3 stud (poly) Page D13

Notes:-

* These items comprise the lower link bush kit 024611

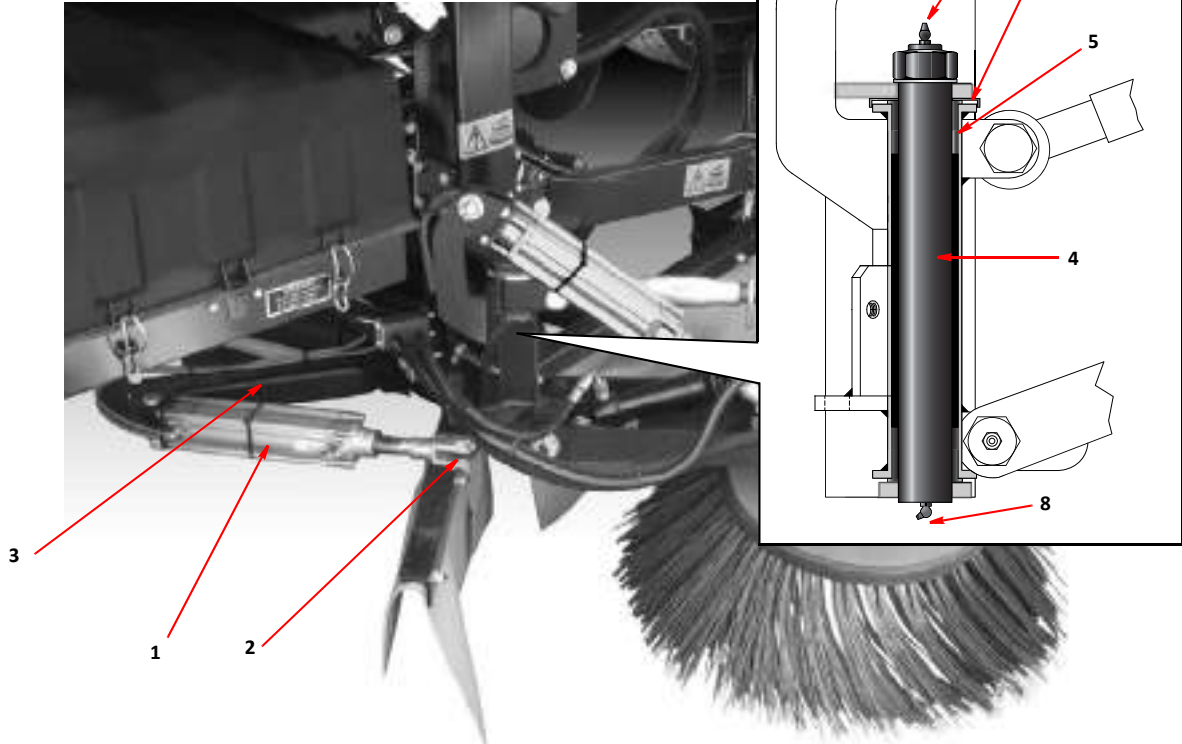
** This part is required if the drive motor is manufactured by Eaton, please contact Scarab Parts Department.



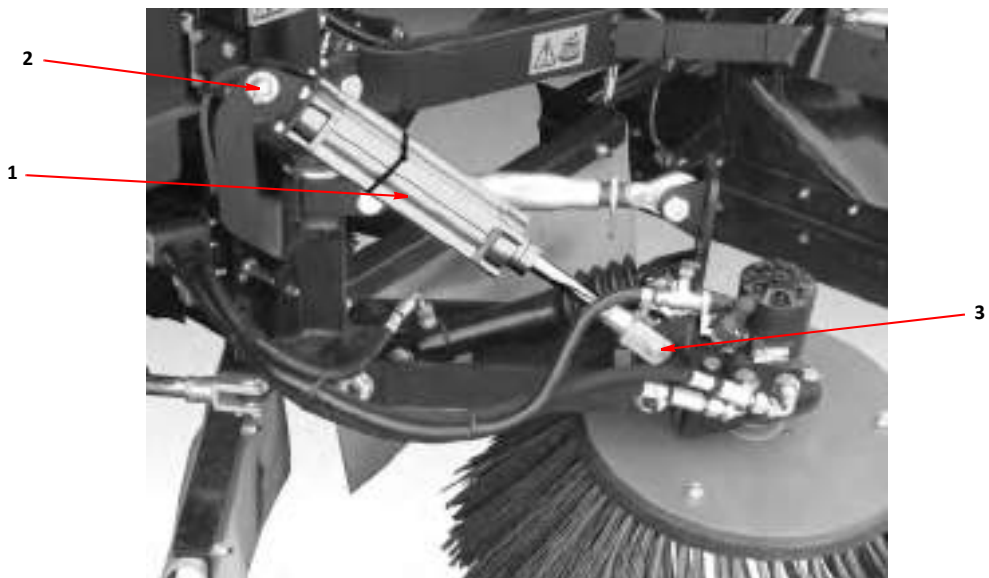
SIDE BRUSH LIFT ARRANGEMENT

<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 G9
	011260	1	. Bolt, M14 x 70mm
	011127	1	. Nut, M14, 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 G9
2	023123	1	. Pin, cylinder retaining
	011135	2	. Washer, M16
	011122	2	. Pin, split, $\phi_{16}^{3/16}$ x $1\frac{1}{2}$ "
3	022673	1	. Pin, clevis



SIDE BRUSH SWING OUT ARRANGEMENT



SIDE BRUSH PRESSURE ASSEMBLY

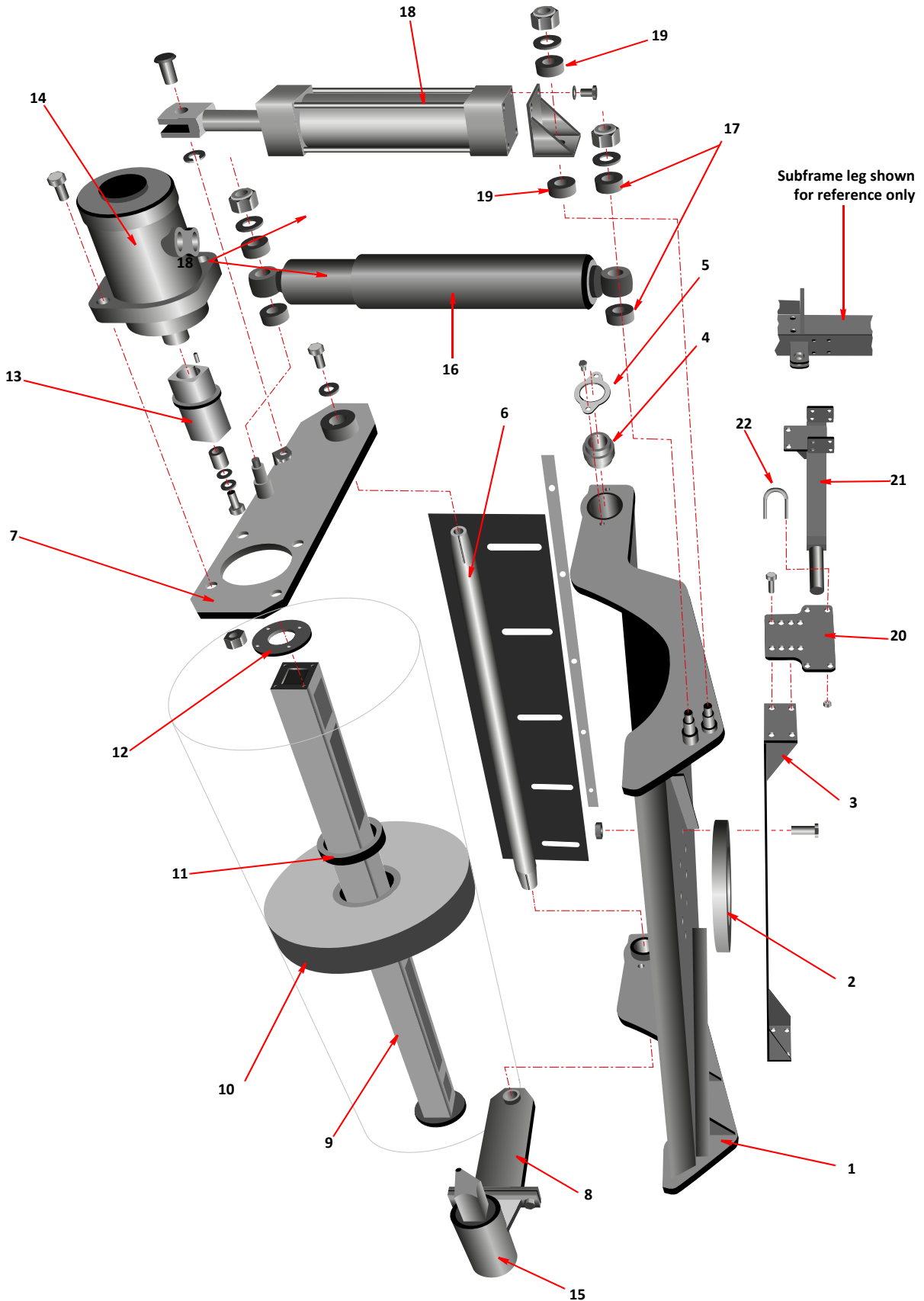
Item	Part Number	Quantity	Description
Wide Sweep Assembly			
1	036216	1	Cover, wide sweep, standard Page D7
2	020919	1	. Ring, adaptor, fixed slew
	011031	8	. . Setscrew, M10 x 25mm
	011095	8	. . Spring washer, M10
3	024155	1	. Support, wide sweep
	011031	8	. . Setscrew, M10 x 25mm
	011095	8	. . Spring washer, M10
4	036789	2	. Spherical bearing, wide sweep pivot
5	037172	2	. . Bearing retaining plate
	011010	4	. . . Setscrew, M8 x 20mm
	010903	2	. Greasing point, straight, $\frac{1}{8}$ " BSP
NI	040301	2	. . Extension, greasing point, $\frac{1}{8}$ " BSP
NI	020729*	2	. Bush, plastic, wide sweep pivot
6	023080	1	. . Shaft, tapered, wide sweep pivot
	013439	2	. . . Washer, special, 50 x 16.5 x 5
	011141	2	. . . Setscrew, M16 x 35mm
NI	013292	2	. . . Key
7	023077	1	. . Plate, motor, LH
8	023078	1	. . Plate, bearing housing, RH
9	013646**	1	. . Brush core, wide sweep
10	023474**	35	. . . Brush element, \varnothing 400mm, poly Page D13
11	023472**	33	. . . Spacer, brush core
12	013649**	1	. . End Cap, brush core
	011417**	4	. . . Screw, socket countersunk, $\frac{3}{8}$ " UNC x 1"
13	024535	1	. . Shaft, drive
	011012	1	. . . . Setscrew, M8 x 30mm
	011093	1	. . . . Spring washer, M8
	038106	1	. . . . Spacer
	024538	1	. . . . Washer, cone, special
	011515	1	. . . . Key
NI	040058***	1	. . . . . Spacer
14	010566	1	. . Motor, hydraulic, OMP 100 Page F17
	011053	2	. . . Setscrew, M12 x 35mm
	011077	2	. . . Nut, M12, Nyloc
15	024224	1	. . Bearing assembly, wide sweep Page D7
	011053	2	. . . Setscrew, M12 x 35mm
	011077	2	. . . Nut, M12, Nyloc
16	014063	2	. Shock Absorber
	011075	4	. . Nut, M10, Nyloc
	011096	4	. . Washer, M12
17	011000	8	. . Spacer, rubber, $\frac{5}{8}$ " bore x $\frac{1}{2}$ " long
18	020602	2	. Cylinder, pneumatic, wide sweep raise/lower Page G5
	011075	2	. . Nut, M10, Nyloc
	011094	2	. . Washer, M10
19	011000	4	. . Spacer, rubber, $\frac{5}{8}$ " bore x $\frac{1}{2}$ " long
20	034336	2	. Drop Plate
21	034334	1	. Wide sweep Adjuster Bar LH
N1	034335	1	. Wide sweep Adjuster Bar RH
22	023148	4	. . U Clamp
	000041	8	. . Bolt, M10 x 140mm
	000075	4	. . Bolt, M10 x 130mm
	011094	24	. . Washer, M10
	011075	20	. . Nut, M10, Nyloc

Notes:-

* Only used on wide sweep covers without the spherical bearing.

** These items comprise the Wide Sweep Brush assembly 037588

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



i Right hand shock absorber and pneumatic ram omitted to aid clarity.

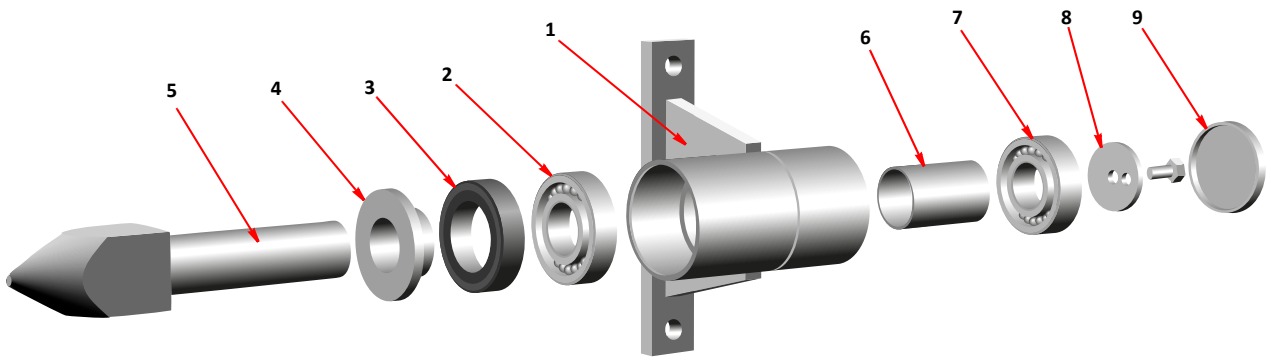
WIDE SWEEP ASSEMBLY

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Wide Sweep Bearing Assembly			
	024224	1	Bearing assembly complete Page D5
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
	011010	1	. . . Setscrew, M8 x 20mm
9	024222	1	. Cap, bearing

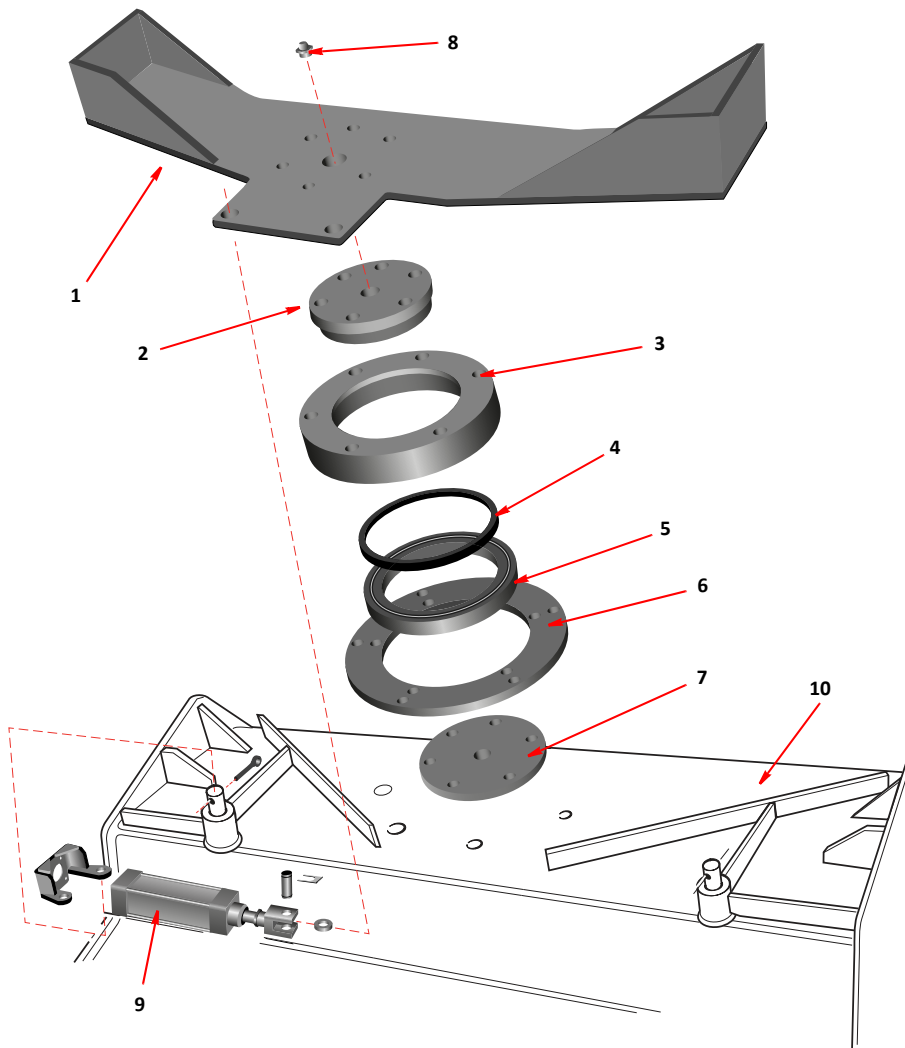
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Wide Sweep Slewing Arrangement			
1	024155	1	Support, wide sweep
2	024150	1	. Spigot
	000178	6	. . Screw, socket countersunk, M10 x 65mm
	011075	6	. . Nut, M10, Nyloc
3	024152	1	. Housing, bearing
4	024148	1	. . Oil seal
5	024149	1	. . Bearing
6	024154	1	. . Clamp ring
	011032	8	. . . Setscrew, M10 x 30mm
	011075	8	. . . Nut, M10, Nyloc
	000167	6	. . . Screw, socket countersunk, M10 x 40mm
7	024151	1	. . Plate, clamp
8	013792*	1	. . Greasing point, straight, $\frac{1}{4}$ " BSP
8	010901*	1	. . Greasing point, 135°, $\frac{1}{8}$ " BSP, fitted from July 2012
9	020767	1	. Cylinder, pneumatic, wide sweep slew Page G5
10	036216	1	Cover, wide sweep, standard Page D5

Notes:-

* Please ensure to identify the correct sized greasing point.



WIDE SWEEP BEARING ASSEMBLY

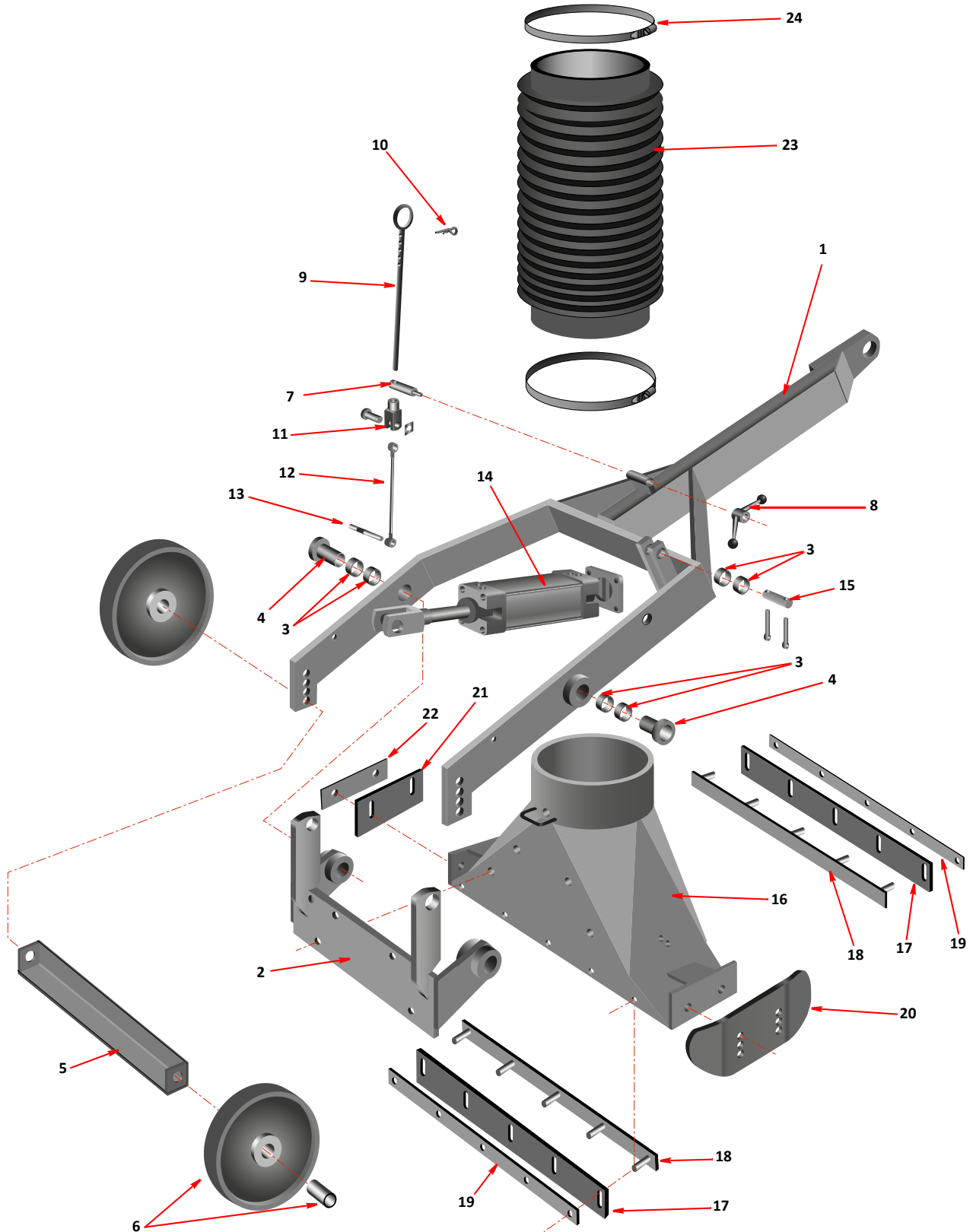


WIDE SWEEP SLEWING ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Tilting Suction Nozzle Assembly			
1	023606	1	. Frame, RH
NI	023605	1	. Frame, LH
2	023607	1	. . . Pivot, tilting nozzle
	000351	2	. . . . Bolt, M14 x 70mm
	011127	2	. . . . Nut, M14, Nyloc
3	024682	6	. . . Bush, hardened
4	021416	2	. . . Sleeve
NI	010606	3	. . . Carabiner
5	031833	1	. . Axle
6	031831	2	. . . Wheel, ø250mm complete with spacer
	011135	4	. . . . Washer, M16
	011133	2	. . . . Bolt, M16 x 100mm
	011060	2	. . . . Nut, M16, Nyloc
7	023625	1	. . Adjuster, nozzle
	000182	1	. . . Special locknut, nozzle adjuster
8	024051	1	. . . Turn wheel, nozzle adjuster
9	023610	1	. . . Rod, nozzle adjuster
10	021944	1	. . . Double wound grip, R clip 3mm wire
11	020291	1	. . . . Clevis, M10 x 1.25
NI	010525	AR	. . . . Chain, large link, welded, nozzle adjuster
12	025681	1	. . . . Leash assembly, nozzle adjuster
13	039766	1	. . . . . Stud, leash cable
	011071	1	. . . . . Nut, M10
14	032119	1	. . Cylinder, pneumatic, nozzle tilt, 40 x 160mm Page G7
15	010067	1	. . . Pin, ø20 x 50mm
	011122	2	. . . . Split pin, $\frac{3}{16}$ " x $1\frac{1}{4}$ "
16	023604	1	. Suction nozzle box
	011031	4	. . Setscrew, M10 x 25mm
	011075	4	. . Nut, M10, Nyloc
17	013023*	2	. . Flap, rubber, suction nozzle box, front and rear
18	013362	2	. . . Retainer, bolt, flap
19	013025	2	. . . Clamp, retainer, flap
	011073	5	. . . . Nut, M8, Nyloc
20	013277	1	. . Skid plate, suction nozzle box
	011021	2	. . . Screw, socket cap head, M8 x 25mm
	011073	2	. . . Nut, M8, Nyloc
21	013283*	1	. . Flap, rubber, suction nozzle box, side
22	013024	1	. . . Clamp, retaining, side flap
	011012	2	. . . . Setscrew, M8 x 30mm
	011073	2	. . . . Nut, M8, Nyloc
23	013028	1	. . Hose, suction nozzle Page D11
24	012933	2	. . . Clamp, hose, worm drive, 235-267mm

Notes:-

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



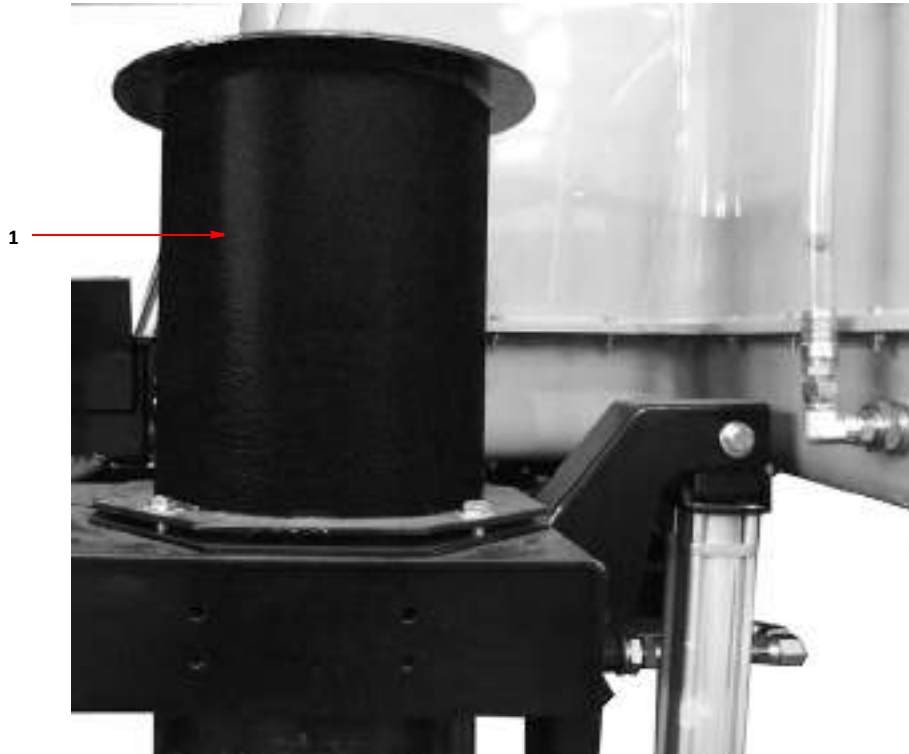
Right hand tilting suction nozzle assembly shown, left hand similar.

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.

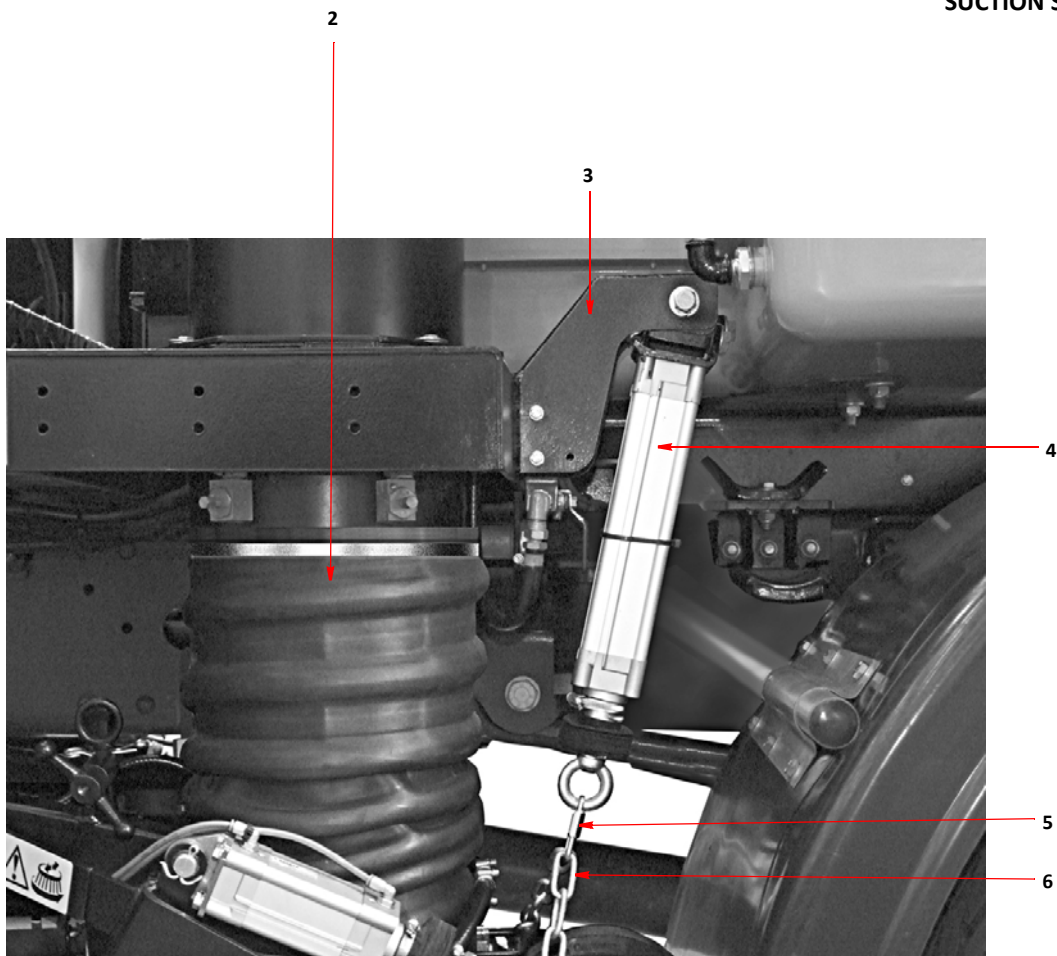
TILTING SUCTION NOZZLE ASSEMBLY

<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 D9
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 G7
5	010606	4	. Carabiner
6	010525	AR	. Chain, large link, nozzle lift

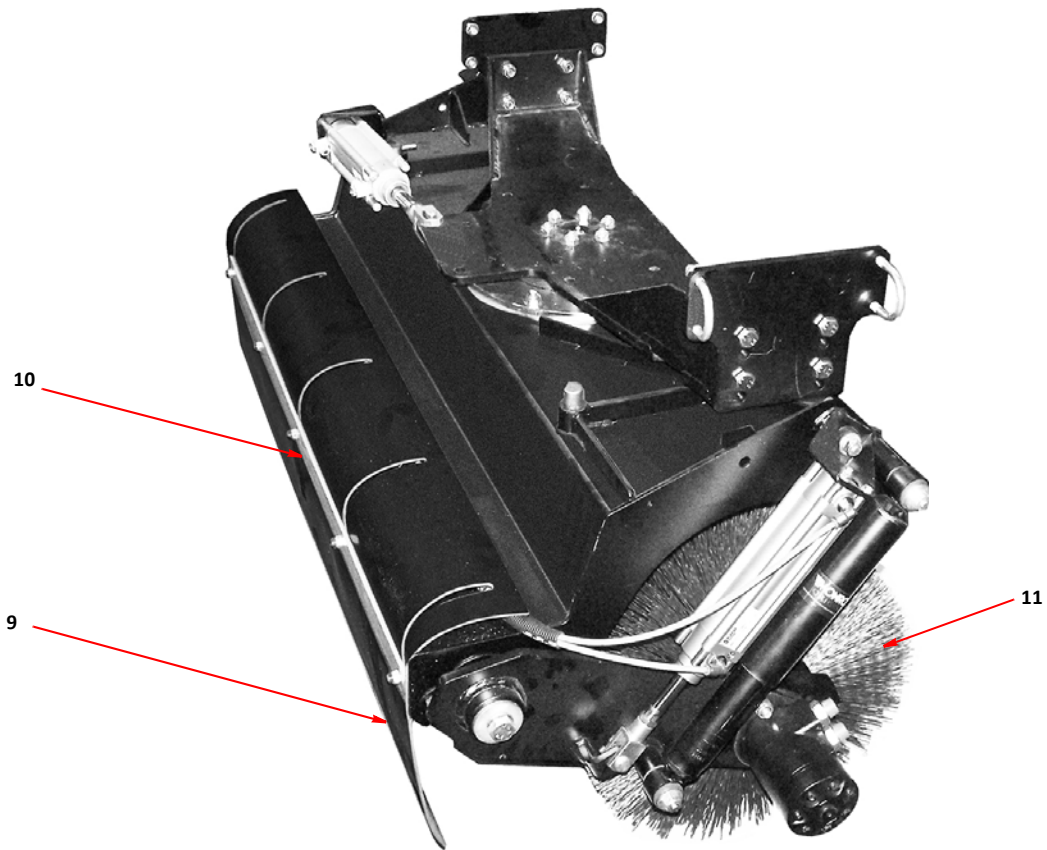
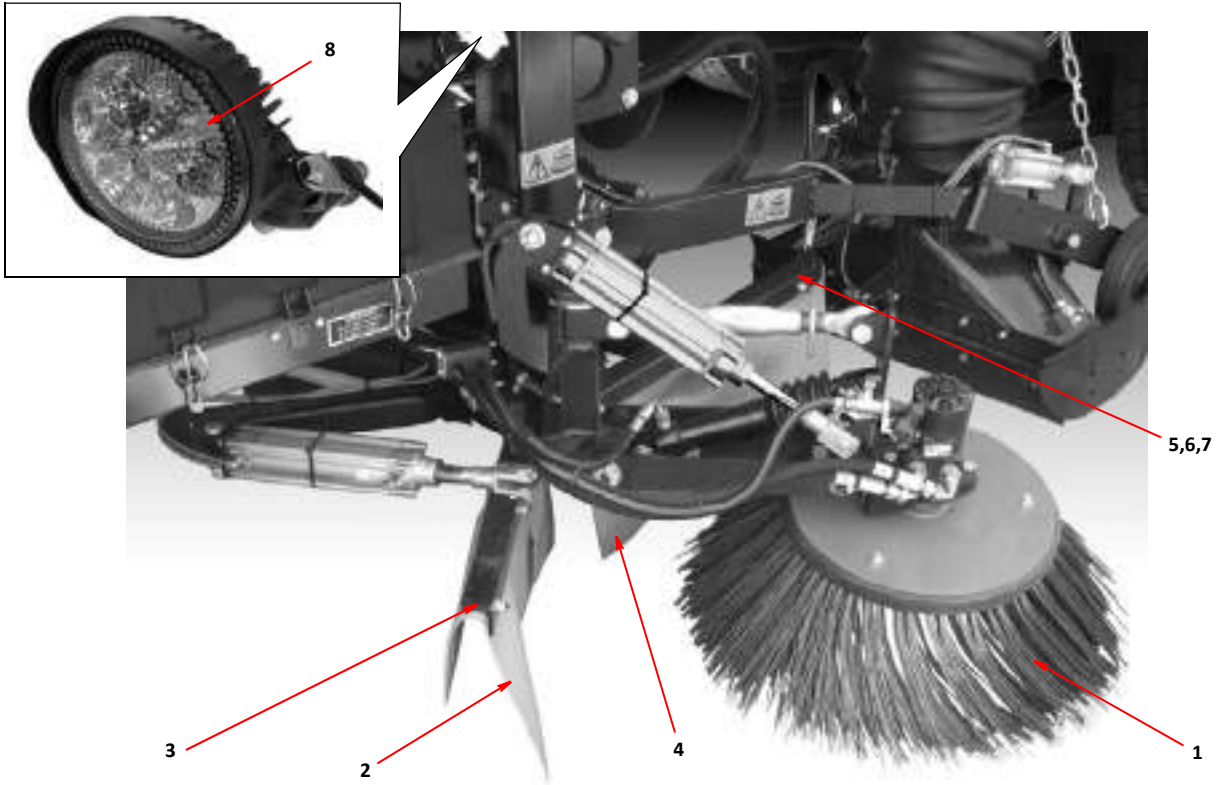


SUCTION SPIGOT



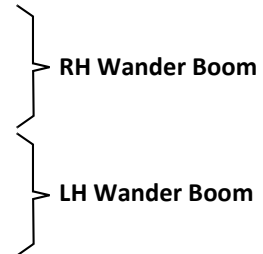
SUCTION NOZZLE - RAISE/LOWER ARRANGEMENT

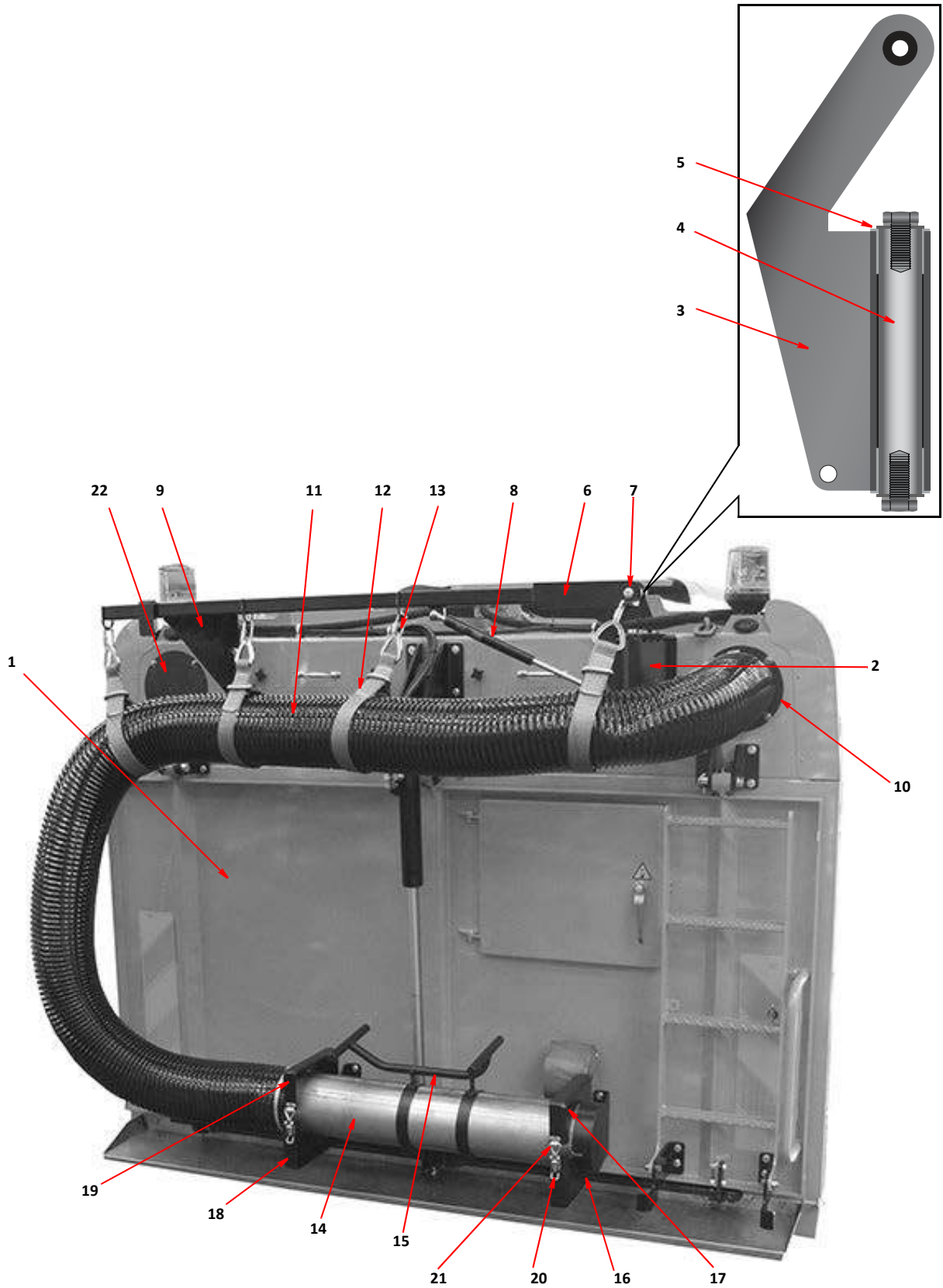
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Associated Sweeping Equipment - Brushes and Skirts			
1	023473	1	Side brush, ø400mm, 3 stud (steel) Page D1
NI	020921	1	Side brush, ø400mm, 3 stud (weed ripping) Page D1
NI	025744	1	Side brush, ø400mm, 3 stud (poly) Page D1
2	010247	1	. Skirt, side brush, front, 3 slot
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
5	013145	1	. . Clamp, angle, 3 hole
6	010275	1	. . Clamp, skirt, 3 stud
	011092	6	. . . Washer, M8
	011073	3	. . . Nut, M8, Nyloc
7	010607	2	. . . . Carabiner
8	038769	1	Work light, LED Page H6
NI	037084	1	Work light, 24V x 70W Page H6
9	022516	1	Skirt, wide sweep
10	022517	1	. Clamp, wide sweep
	011073	5	. . Nut, M8, Nyloc
11	023474	1	Brush element, wide sweep, ø400mm, box of 44 Page D5



ASSOCIATED SWEEPING EQUIPMENT - BRUSHES AND SKIRTS

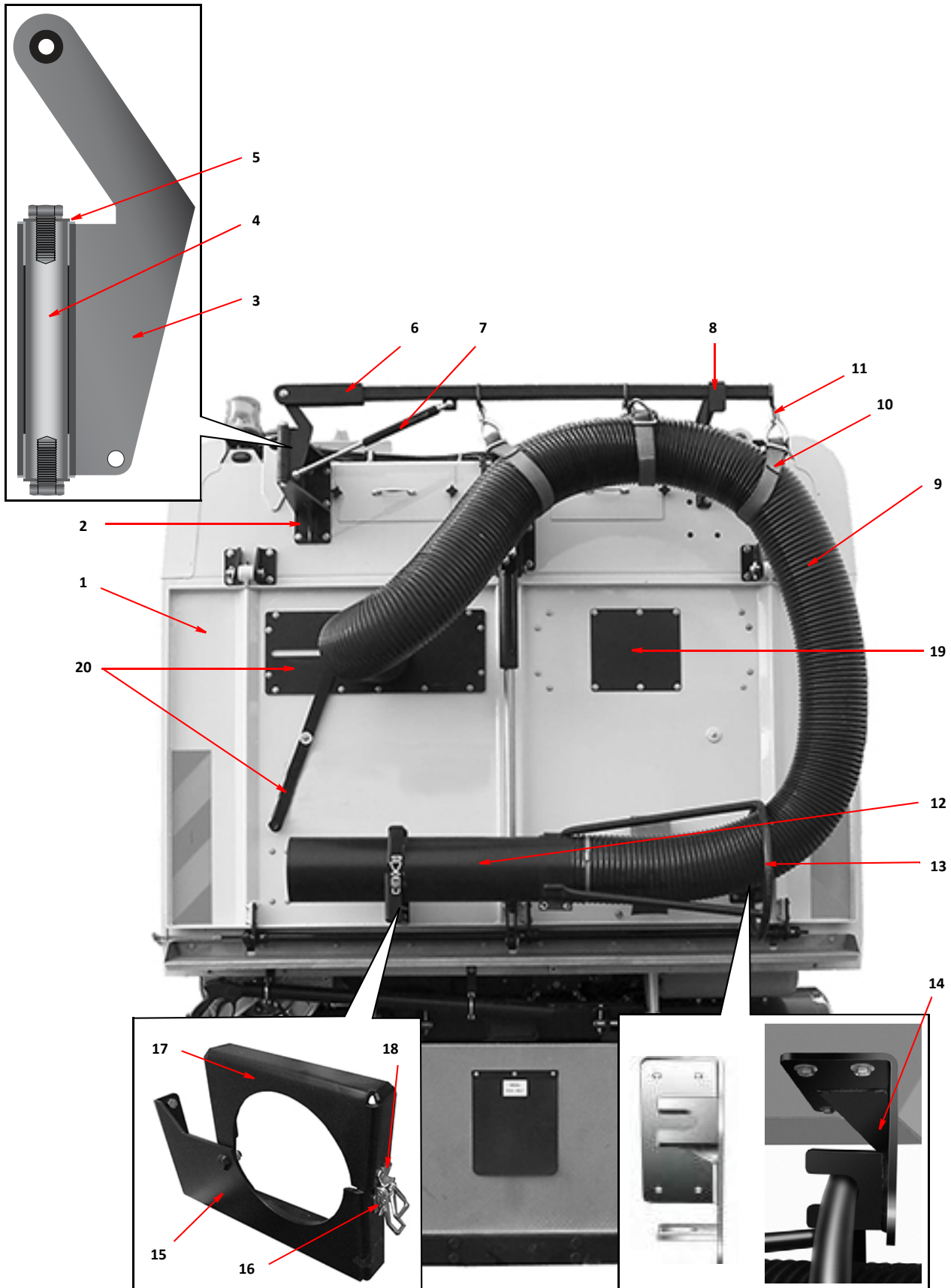
Item	Part Number	Quantity	Description
Rear Wander Boom Arrangement			
1	039263	1	Rear door, with RH inspection/cleaning hatch Page C13,C17
NI	039311	1	Rear door, with LH inspection/cleaning hatch Page C13,C17
2	034767	1	. Hinge, wander boom, RH
NI	034312	1	. Hinge, wander boom, LH
	011032	6	. . Setscrew, 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, 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, ø180mm 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)
17	039283	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)
19	035962	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





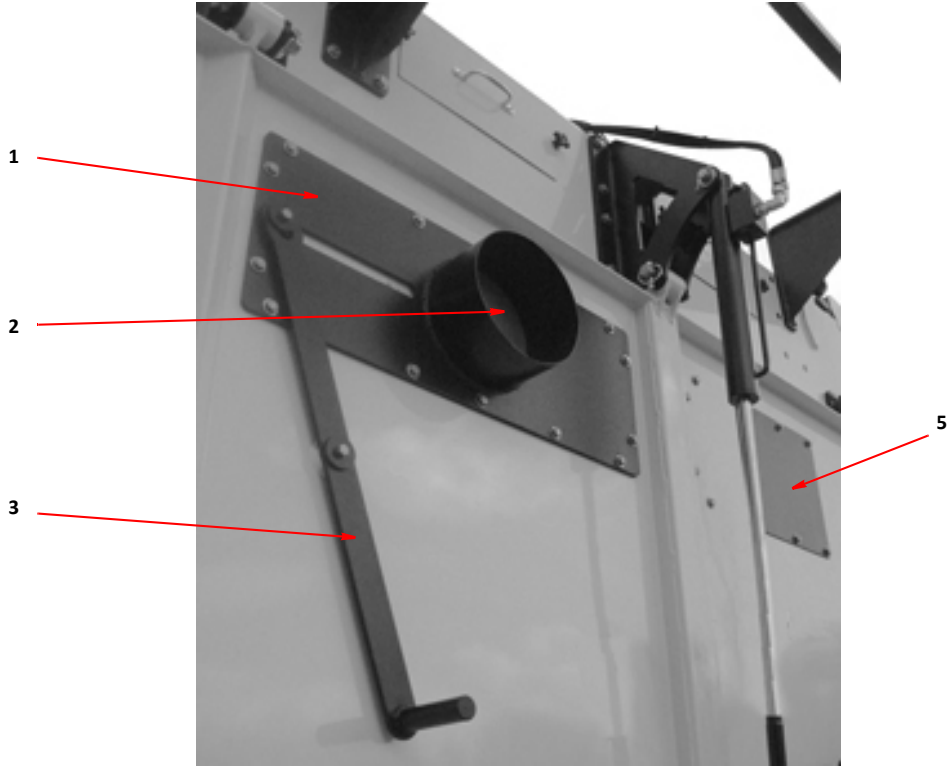
REAR WANDER BOOM ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Rear Door Wander Boom Arrangement			
1	034298	1	. Rear door Page C13
2	034312	1	. Hinge bracket, boom arrangement, LH
NI	034767	1	. Hinge bracket, boom arrangement, RH
	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, 5/8" BSP
6	025218	1	. . Support arm, boom
	011032	2	. . . Setscrew, M10 x 35mm
	011094	4	. . . Washer, M10
	011075	2	. . . Nut, M10, Nyloc
7	021993	1	. . Gas strut, boom support arm
8	034313	1	. . Stowage hook, boom support arm
9	026974	1	. . . Wander hose, suction, 8" ID
NI	012933	2	. . . . Clamp, hose, worm drive, 235-267mm
10	025235	3	. . . . Retaining strap, hose support
11	010606	3	. . . . . Carabiner, hose support
12	034797	1	. . . Suction tube
13	034744	1	. . . Handle, suction tube/hose
14	034821	1	. . . . Hook, stowage, suction tube handle
	011032	4	. . . . . Setscrew, M10 x 35mm
	011094	8	. . . . . Washer, M10
	011075	4	. . . . . Nut, M10, Nyloc
15	034822	1	. . . Bracket, boom mounting cup
	011032	3	. . . . Setscrew, M10 x 35mm
	011094	6	. . . . . Washer, M10
	011075	3	. . . . . Nut, M10, Nyloc
16	010509	1	. . . . . Fastener, hinge, toggle clip
		2	. . . . . Screw, countersunk, slotted M6 x 16
		2	. . . . . Nut, M6, Nyloc
17	034823	1	. . . Bracket, boom mounting lock
18	010509	1	. . . . Fastener, hook, toggle clip
		2	. . . . . Screw, countersunk, slotted M6 x 16
		2	. . . . . Nut, M6, Nyloc
19	034304	1	. . Blanking plate
	011011	6	. . . Setscrew, M8 x 25mm
	011092	12	. . . Washer, M8
	011073	6	. . . Nut, M8, Nyloc
20		1	. . Manual blanking, rear wander boom Page D19



REAR DOOR WANDER BOOM ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Rear Door Wander Boom Blanking Arrangement			
1	034299	1	. Spigot, rear door wander boom Page D17
NI	034301	1	. . Spacer plate
	011011	14	. . . Setscrew, M8 x 25mm
	011092	28	. . . Washer, M8
	011073	14	. . . Nut, M8, Nyloc
2	034300	1	. . Shutter, rear wander boom
3	034302	1	. . Arm, blanking, rear wander boom
	034303	2	. . . Washer, 40mm OD x 9mm ID x 4mm thick
4	034305	1	. . Deflector, inner, rear wander boom, LH
NI	034306	1	. . Deflector, inner, rear wander boom, RH
5	034304	1	. Blanking plate
	011011	6	. . Setscrew, M8 x 25mm
	011092	12	. . Washer, M8
	011073	6	. . Nut, M8, Nyloc



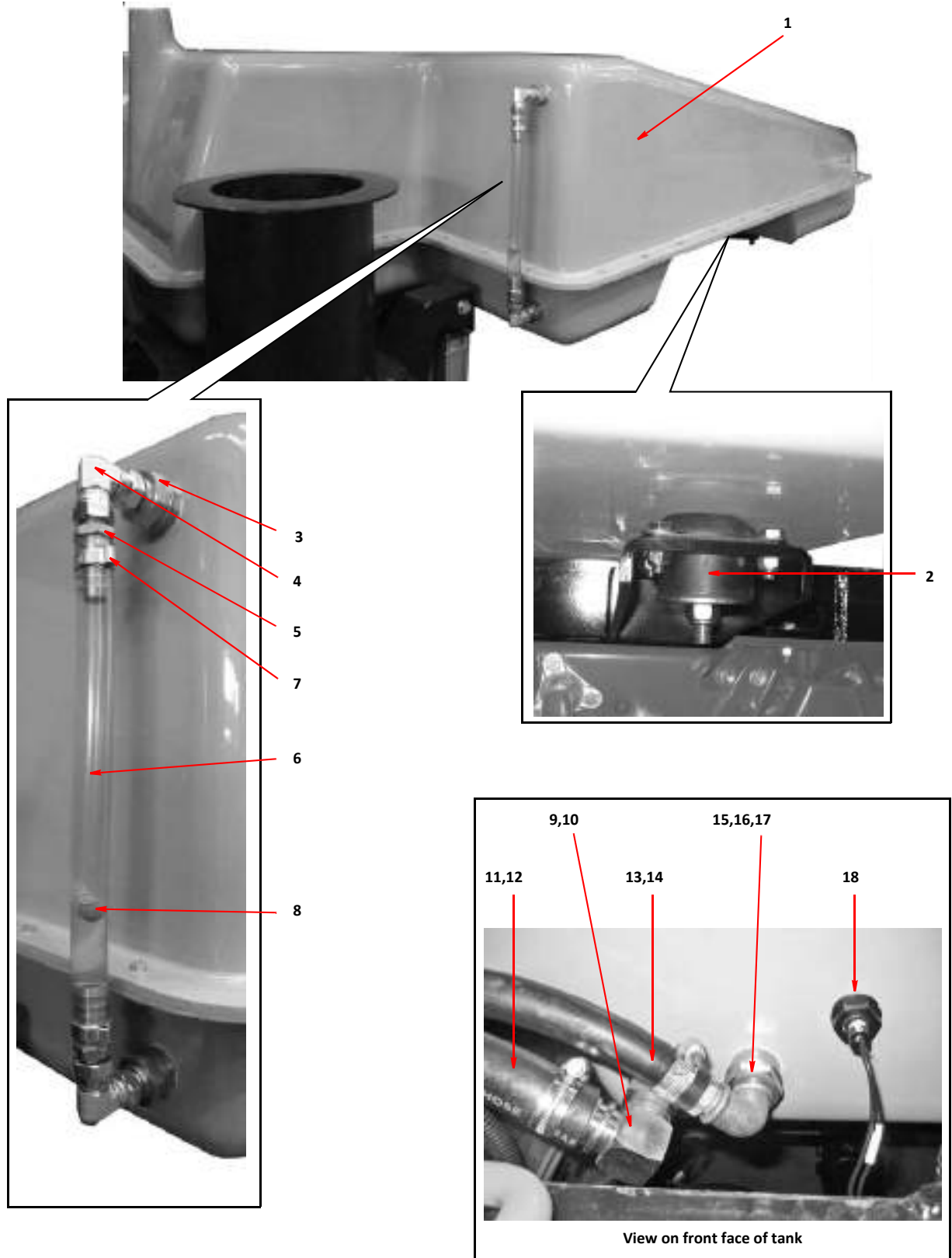
REAR DOOR WANDER BOOM BLANKING ARRANGEMENT

WASHING AND DUST SUPPRESSION SECTION E

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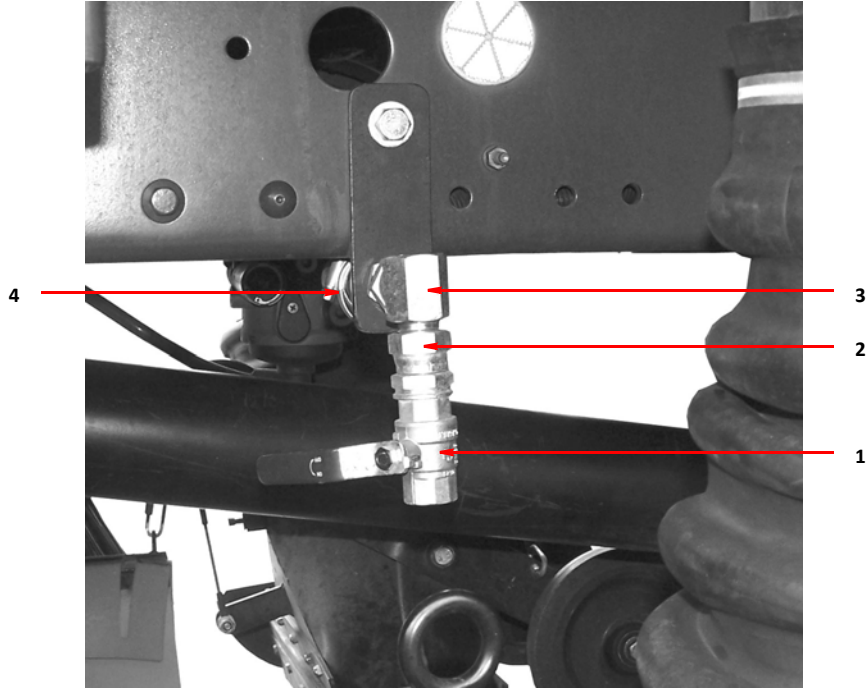
Item	Part Number	Quantity	Description
Water Tank Assembly			
1	034333	1	. Water tank (GRP) Page C1
2	033838	4	. . Anti-vibration mount, rubber
	011060	4	. . . Nut, M16, Nyloc
	011032	16	. . . Setscrew, M10 x 30mm
	011094	16	. . . Washer, M10
	011075	16	. . . Nut, M10, Nyloc
3	010946	2	. . Bush, reducer, $\frac{3}{4}$ " 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, $\phi\frac{1}{2}$ " 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 H5



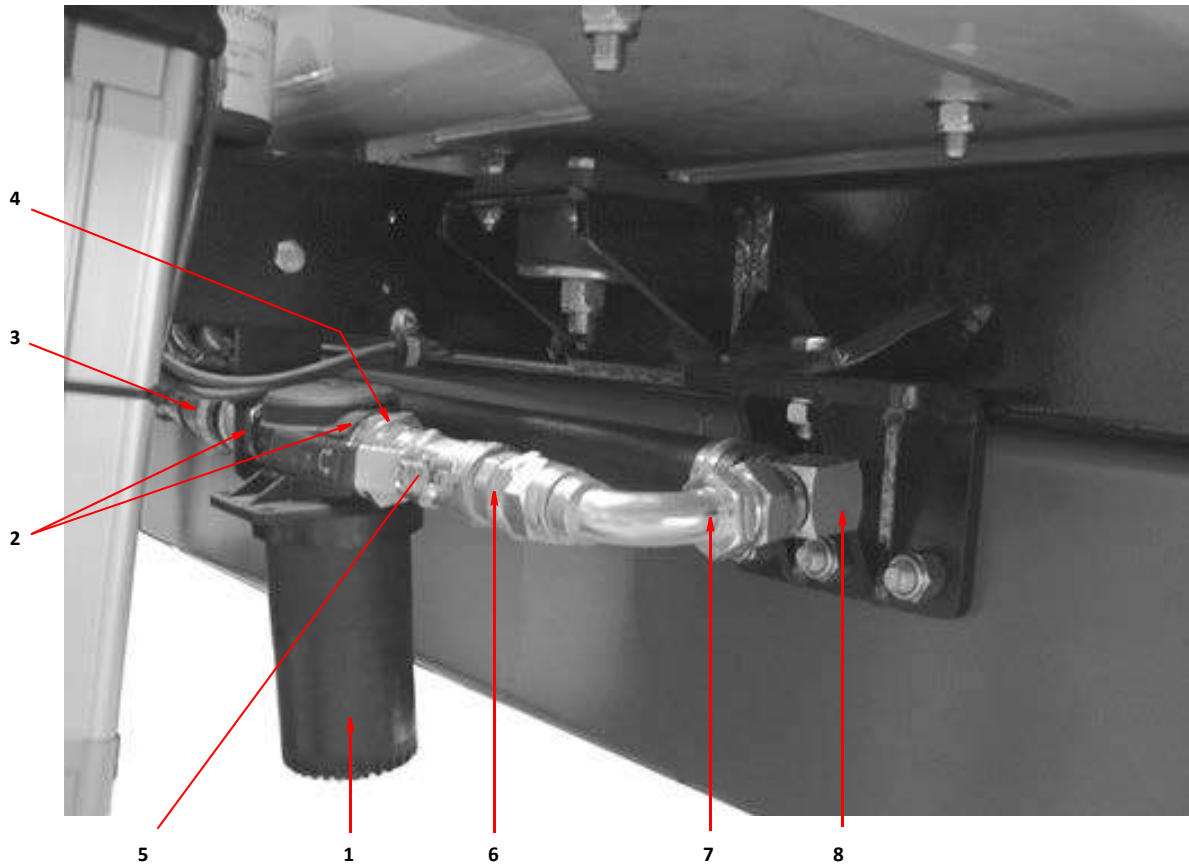
WATER TANK ASSEMBLY

<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

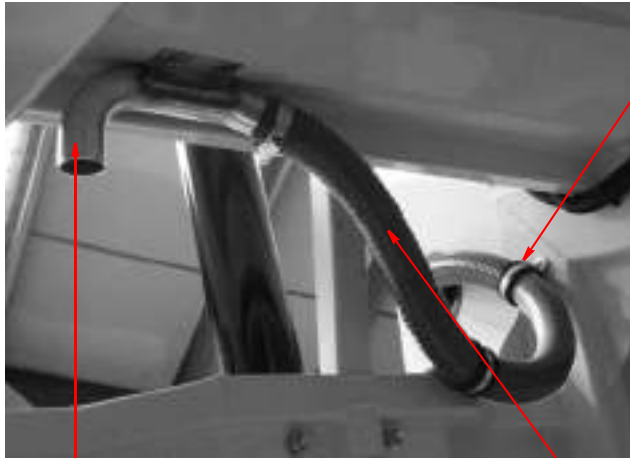


WATER TANK DRAIN VALVE



WATER FILTER ASSEMBLY - HIGH PRESSURE

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Water Tank Filler Arrangement(s)			
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	035669	1	. Water tank filler RH
	011011	4	. . Setscrew, M8 x 25mm
	011092	8	. . . Washer, M8
	011703	4	. . . Nut, M8, Nyloc
5	013661	1	. . Cap, water tank
6	025140	1	. Hydrant adaptor, includes back nut
7	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

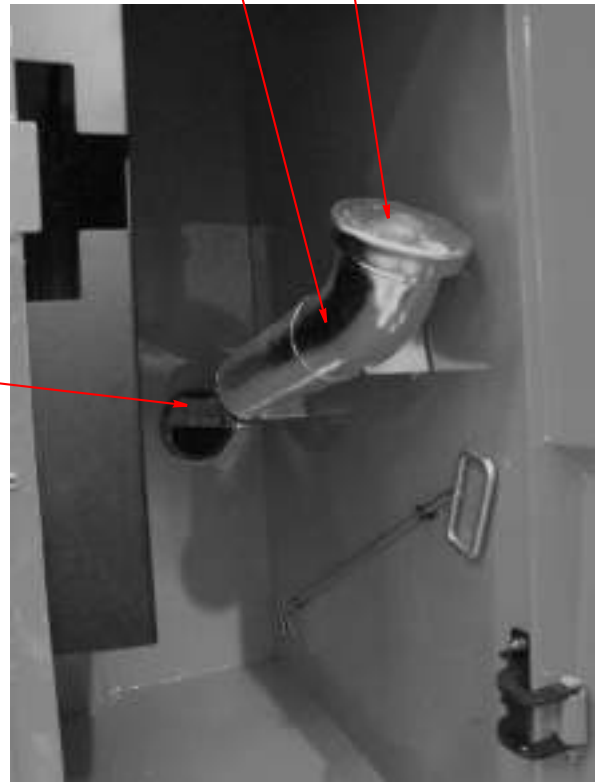


WATER TANK FILLER HOSE
ROUTING RH

1

2

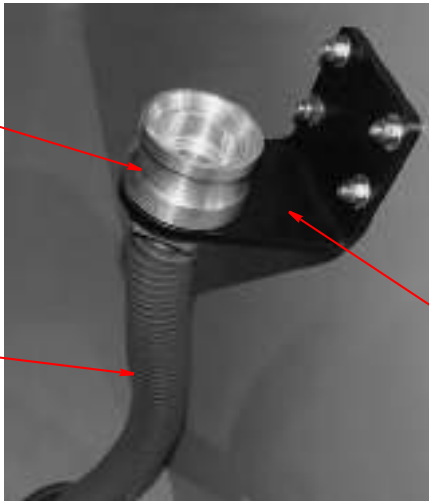
3



WATER TANK FILLER RH LOCATED INSIDE
RIGHT HAND SIDE LOCKER

4

5



HYDRANT ADAPTOR WATER TANK FILLER
LOCATED IN RIGHT HAND SIDE LOCKER

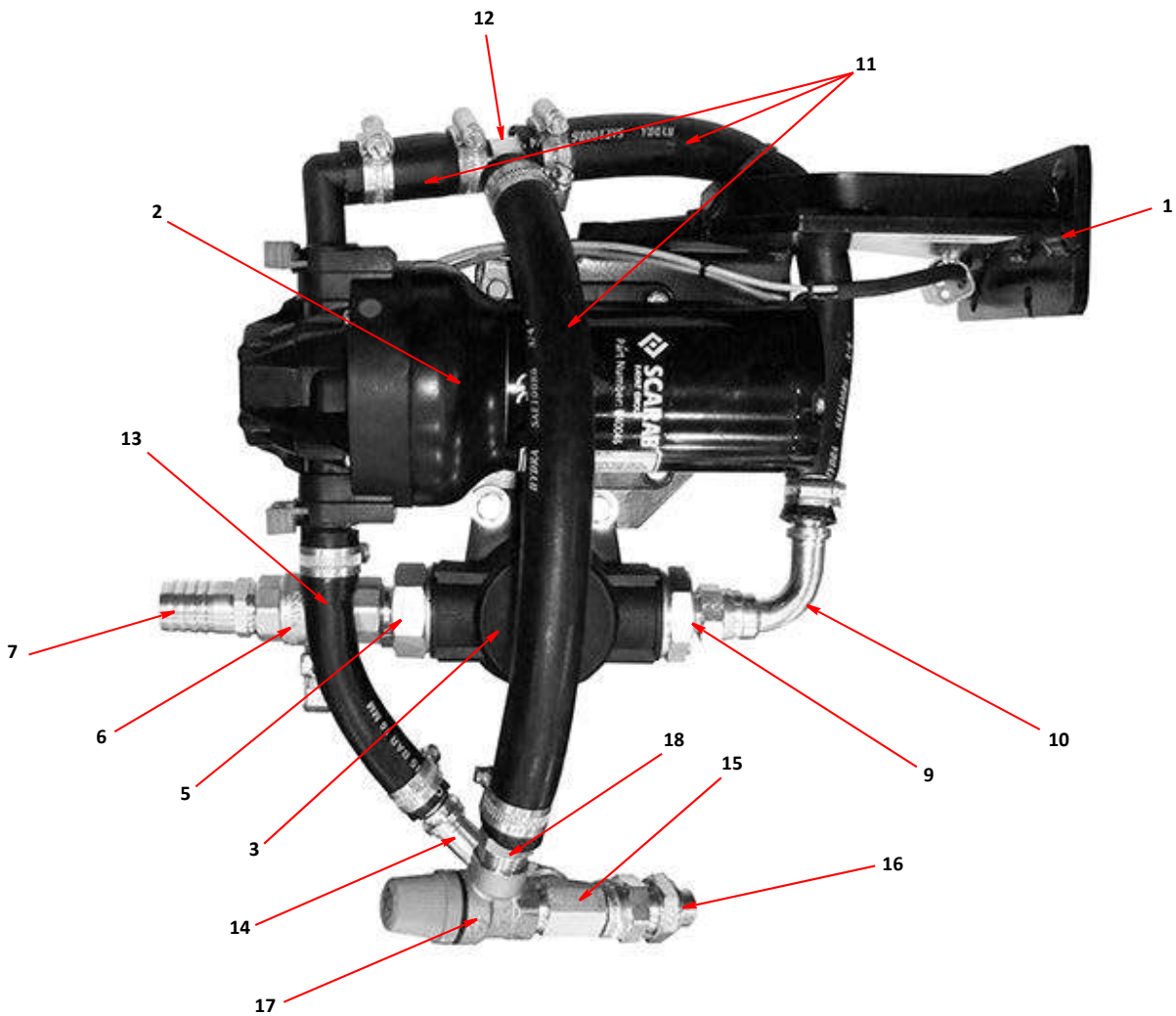
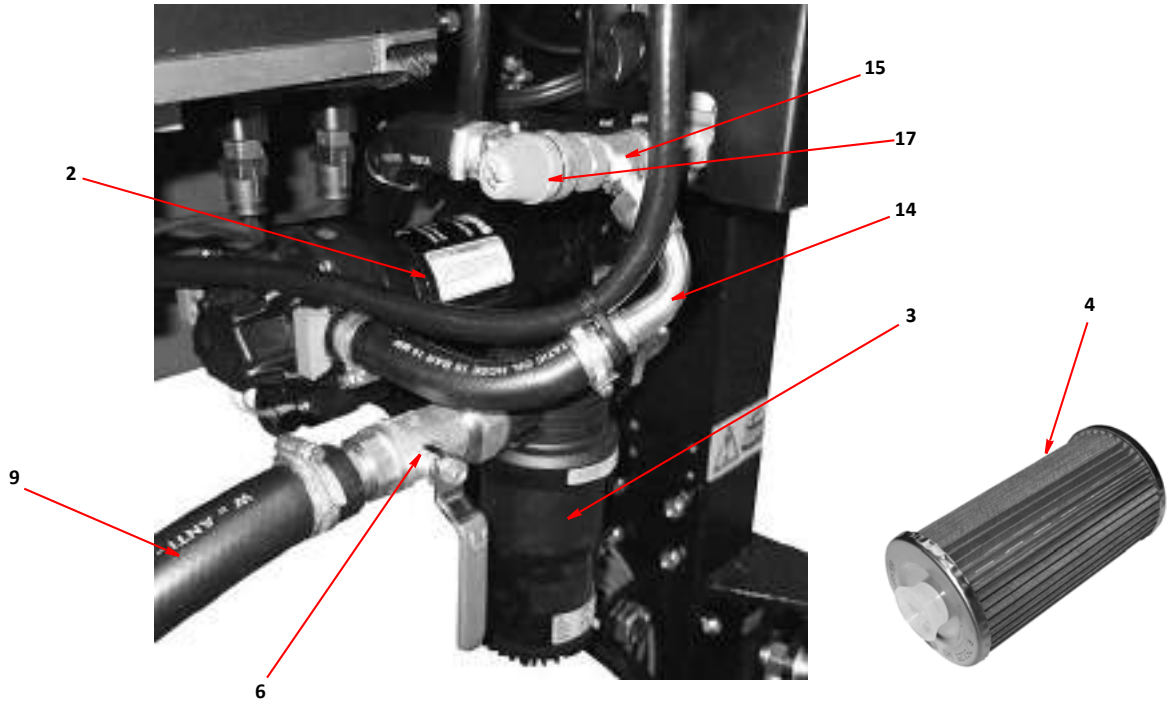
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7

2

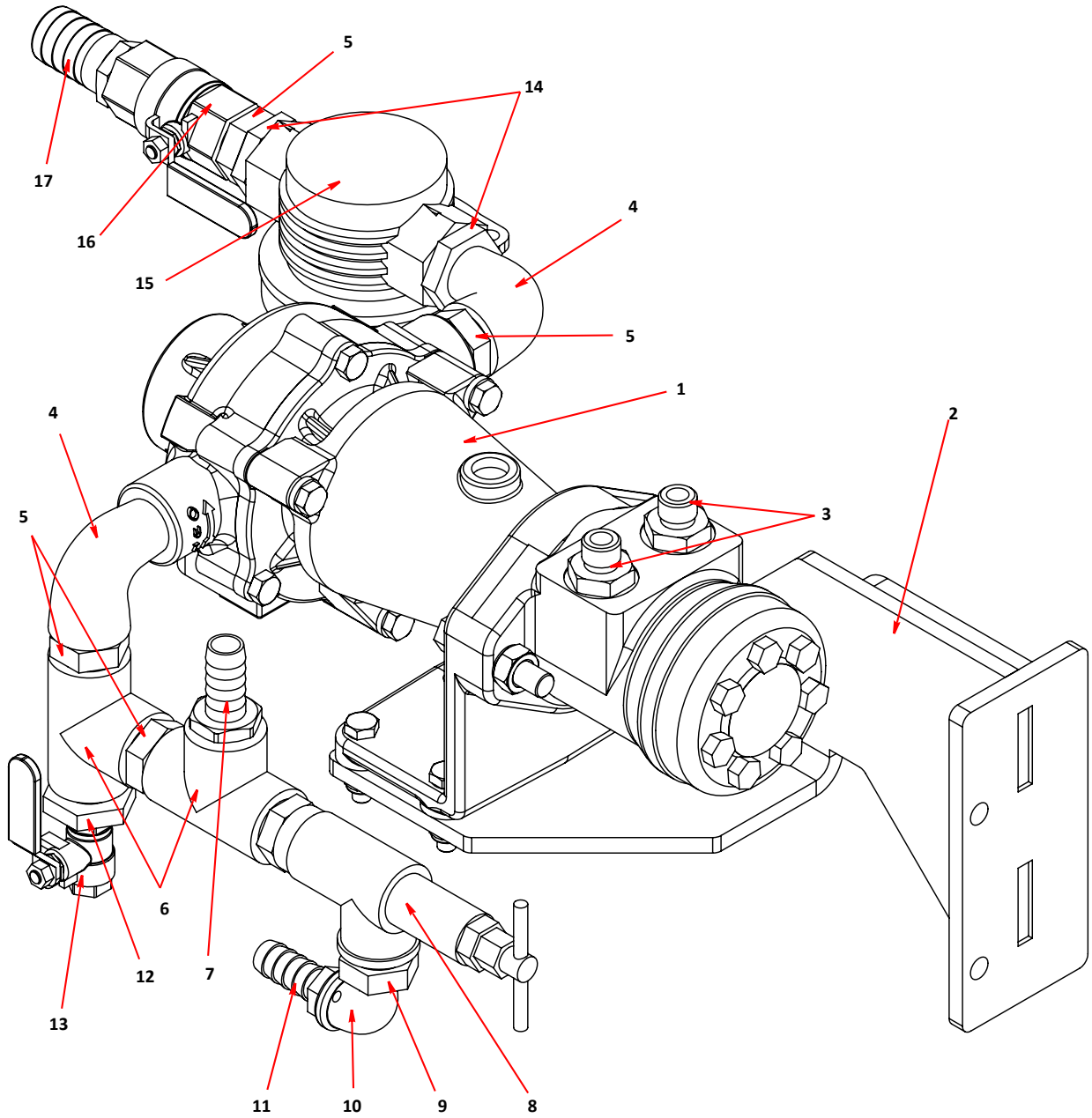
WATER TANK FILLER ARRANGEMENT(S)

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 F25,H6
	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, $\frac{1}{2}$ " 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, 1" 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 PPRESSION WATER PUMP ELECTRIC

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Low Pressure Water Pump Roller Type - Arrangement			
1	037812	1	. Water pump, low-pressure (roller type) Page F25
2	038503	1	. . Mounting bracket
	011013	4	. . . Setscrew, M8 x 35mm
	011073	4	. . . Nut, M8, Nyloc
3	002196	2	. . Adaptor, M/M, $\frac{7}{8}$ -14 UNF x $\frac{3}{8}$ " BSP
4	010917	2	. . Elbow, 90°, M/F, $\frac{3}{4}$ " BSP
5	010916	4	. . Adaptor, M/M, $\frac{3}{4}$ " BSP
6	010919	2	. . Tee, F/F/F, $\frac{3}{4}$ " BSP
7	003036	1	. . Insert, brass, $\frac{3}{4}$ " BSPT male x $\frac{3}{8}$ "
8	010101	1	. . Valve, pressure relief, $\frac{3}{4}$ " BSP
9	010946	1	. . . Reducer, $\frac{3}{4}$ " BSP x $\frac{3}{8}$ " BSP
10	010913	1	. . . . Elbow, 90°, M/F, $\frac{3}{8}$ " BSP
11	010930	1	. . . . . Hose-tail, $\frac{3}{8}$ " BSP x $\frac{5}{8}$ "
12	011164	1	. . Adaptor, M/M, $\frac{3}{4}$ " BSP x $\frac{1}{4}$ " BSP
13	011743	1	. . . Valve, ball, $\frac{1}{4}$ " BSP
14	000154	2	. . Reducer, galvanised, 1" x $\frac{3}{4}$ " BSP
15	023862	1	. . Filter (complete)
NI	023863	1	. . . Filter, element
16	013757	1	. . Valve, ball, $\frac{3}{4}$ " BSP
17	010931	1	. . Hose-tail, $\frac{3}{4}$ " BSP x 1"

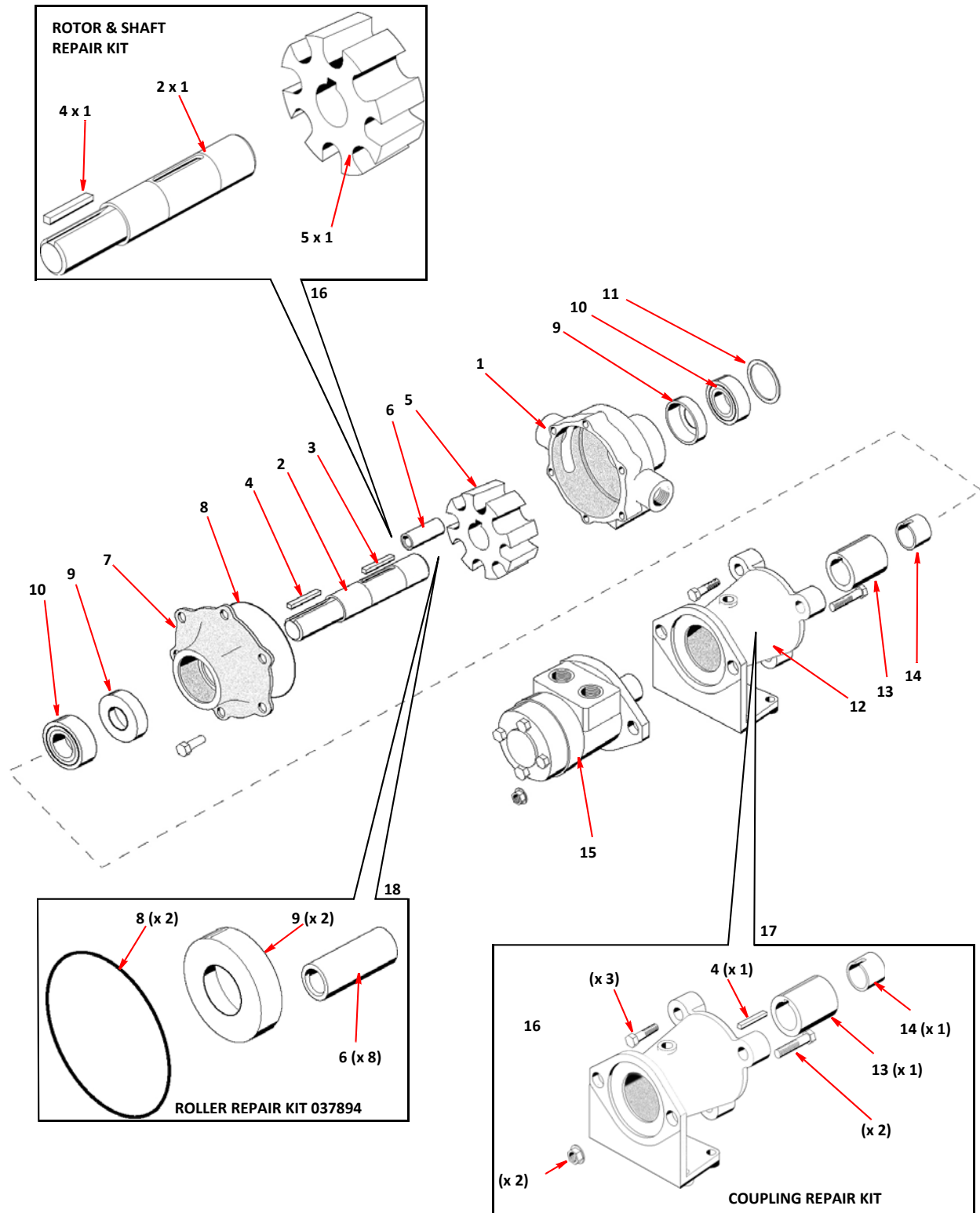


LOW-PRESSURE WATER PUMP ROLLER TYPE

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Low Pressure Water Pump Roller Type - Components			
1	*	1	. Pump, body
NI	037893	1	. Pump, body (complete less motor)
2	*	1	. . Shaft, drive
3	*	1	. . Key, drive
4	*	1	. . Key, drive
5	*	1	. . Rota
6	*	8	. . . Roller
7	*	1	. . End plate
8	*	1	. . . O-ring
	*	3	. . . Setscrew
	*	3	. . . Setscrew
	*	6	. . . Nut
9	*	2	. . . Seal (Viton)
10	*	2	. . . Bearing
11	*	1	. . . . Cover, bearing
12	*	1	. . Flange, mounting
13	*	1	. . Coupling, drive
14	*	1	. . . Spacer
15	*	1	. . Motor, hydraulic
	*	2	. . . Setscrew
	*	2	. . . Nut
16	*	1	. Repair kit, rotor & shaft
17	*	1	. Repair kit, coupling
18	037894	1	. Repair kit, roller

Notes:-

* These part number are To Be Advised, please contact the Scarab Parts department if you require any of these parts.



LOW-PRESSURE WATER PUMP ROLLER TYPE - COMPONENTS

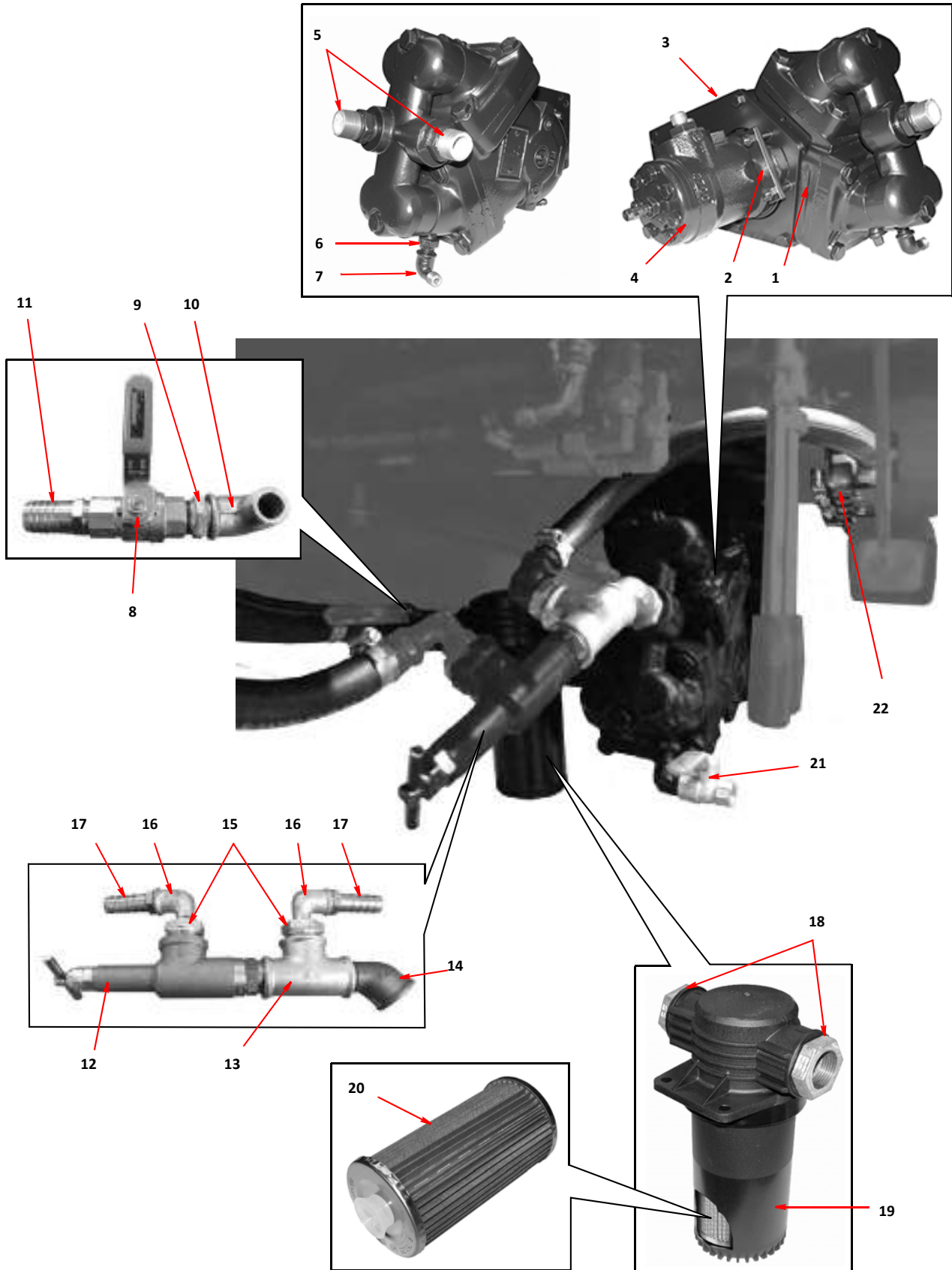
Item	Part Number	Quantity	Description
Low Pressure Water Pump Twin Diaphragm - Arrangement			
1	024385*	1	. Pump assembly, twin Page F25
NI	010903	1	. . Greasing point, straight, $\frac{1}{8}$ " BSP
NI	024241	1	. . Locating ring
2	024245	2	. . Clamp, water pump
3	034925	1	. . Plate, mounting, water pump
NI	014873	4	. . Spacer, 20mm OD x 11mm ID x 37mm
	011018	4	. . . Bolt, M8 x 90mm
	011073	4	. . . Nut, M8, Nyloc
NI	024908	4	. . Stud
4	013527	1	. Motor hydraulic, OMP50 Page F17
5	010916	2	. . Adaptor, galvanised, M/M, $\frac{3}{4}$ " BSP
6	010944	1	. . Adaptor, galvanised, M/M, $\frac{1}{4}$ " BSP
7	010910	1	. . Elbow, galvanised, M/F, $\frac{1}{4}$ " BSP
8	013757	1	. Valve, ball, $\frac{3}{4}$ " BSP
9	010916	1	. . Adaptor, galvanised, M/M, $\frac{3}{4}$ " BSP
10	010917	1	. . Elbow, galvanised, M/F, $\frac{3}{4}$ " BSP
11	010931	1	. . Hose tail, $\frac{3}{4}$ " BSP x 1 hose
12	010101	1	. Valve, pressure relief, $\frac{3}{4}$ " BSP
13	010919	1	. . Tee, galvanised, F/F/F, $\frac{3}{4}$ " BSP
14	003031	1	. . Elbow, galvanised, 45°, M/F, $\frac{3}{4}$ " BSP
15	010946	2	. . Adaptor, galvanised, M/F, $\frac{3}{4}$ " BSP x $\frac{3}{8}$ " BSP
16	010913	2	. . Elbow, galvanised, M/F, $\frac{3}{8}$ " BSP
17	010930	2	. . Hose tail, $\frac{3}{4}$ " BSP x $\frac{5}{8}$ " hose
18	000154	2	. Adaptor, galvanised, M/F, 1" x $\frac{3}{4}$ " BSP
19	023862	1	. . Filter, water (complete)
20	023863	1	. . . Filter, element
NI	023897	1	. . . O-ring
21	011743	1	. . Valve, ball, $\frac{1}{4}$ " BSP
22	038370	1	. Water valve assembly Page E17

Notes:-

*

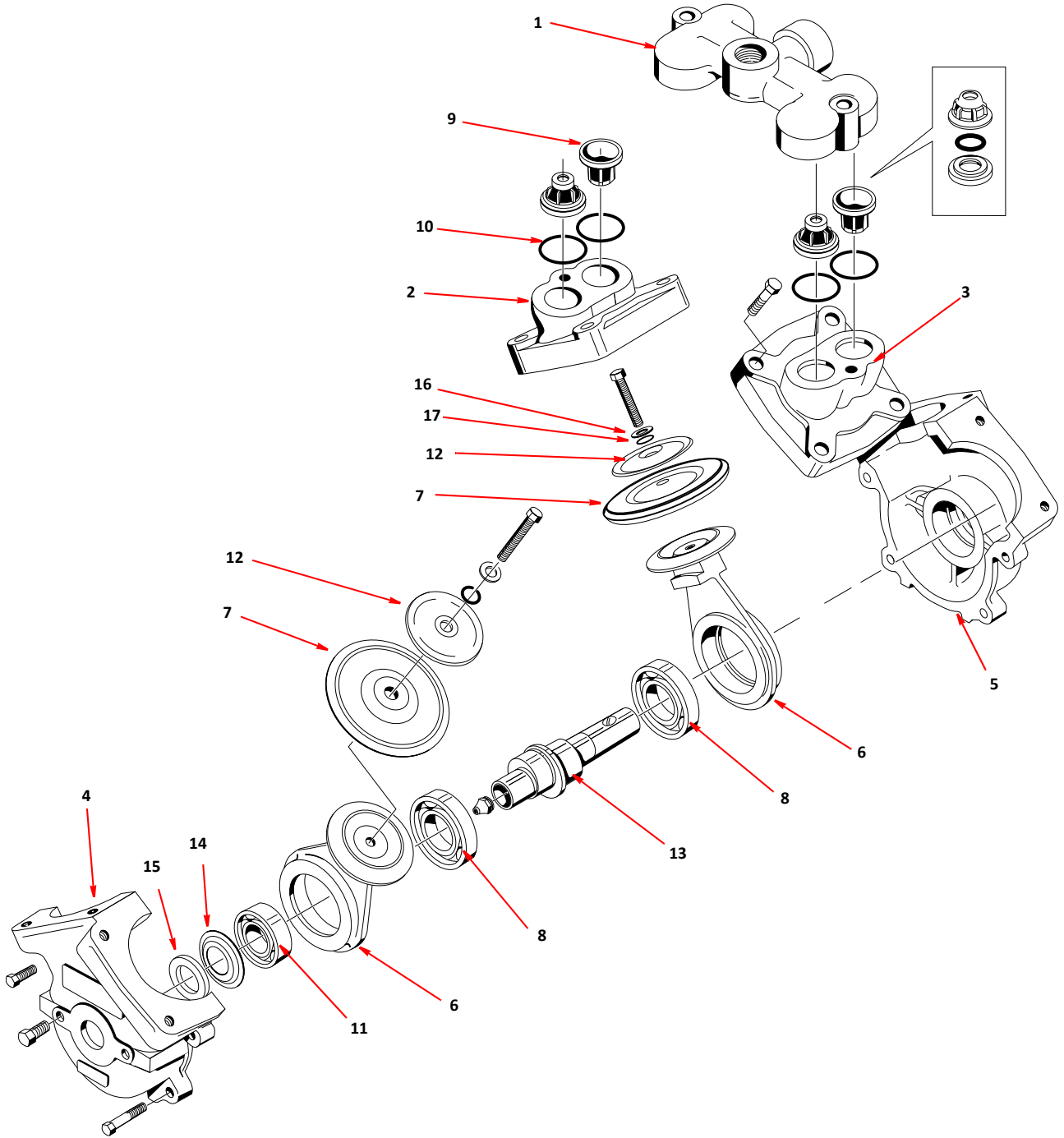
A service exchange unit is available by ordering part number 024385SE.

Please be aware that the bridge on these pumps as supplied may need to be turned through 180° dependant on chassis configuration. Refer to diagram on Page E16.



LOW PRESSURE WATER PUMP TWIN DIAPHRAGM ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Low Pressure Water Pump Twin Diaphragm - Components			
1	020460	1	. Pump bridge
2	020464	1	. Pump head (modified)
3	020463	1	. Pump head
4	020461	1	. Pump crankcase
5	020462	1	. Pump crankcase (modified)
6	014682	2	. . Conrod
7	013629	2	. . Diaphragm
8	013522	2	. . Bearing, ball 6007
9	013627	4	. . Poppet valve
10	013628	1	. . . Sealing ring
11	022726	1	. . Bearing, ball 6205
12	014882	2	. . Pump backing plate
13	014869	1	. . Pump eccentric
14	014881	1	. . Retainer
15	014879	1	. . . Felt washer
16	031560	2	. . Seal
17	031561	2	. . Washer

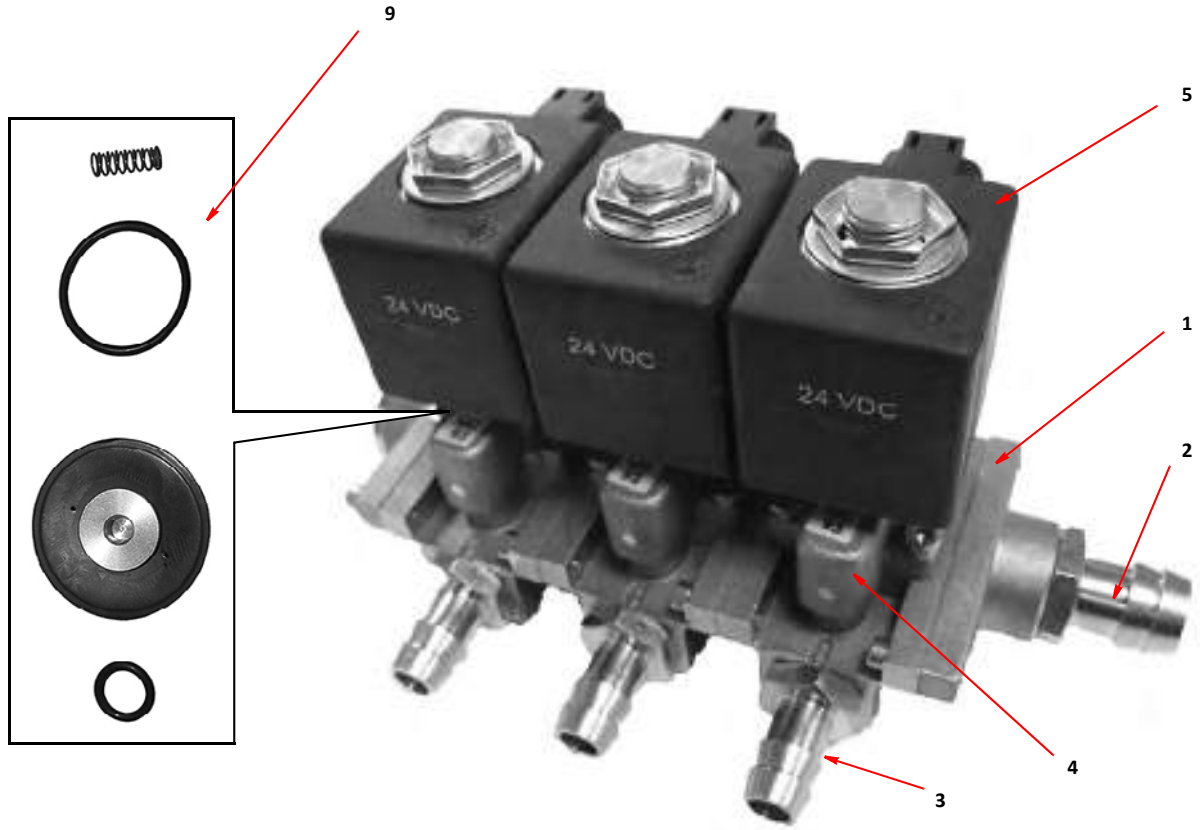


LOW PRESSURE WATER PUMP TWIN DIAPHRAGM COMPONENTS

Item	Part Number	Quantity	Description
Water Valve Assembly			
1	038370*	1	. Water Valve, 3 way, assembly Page E13
	000052	4	. . Setscrew, M5 x 16mm
	000155	4	. . Nut, M5, Nyloc
2	010930	1	. . . Hose tail, $\frac{3}{8}$ " BSP x $\frac{5}{8}$ " hose (roller & twin diaphragm pumps only)
NI	010517	1	. . . .Clamp, hose, worm drive, 18-25mm
3	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
4	037969	3	. . Solenoid, complete body assembly, BSV122NC24D
5	037059	3	. . Coil, 24 Volt, 8 Watt, BVC24D
6	038384	1	. . Bracket, mounting, water valve assembly
	011001	4	. . . Setscrew, M6 x 16mm
	011071	4	. . . Nut, M6, Nyloc
7	038385	1	. . Cover, water valve assembly
8	000248	2	. . . Knob, plastic, brass insert, M8
9	034624	AR	. Repair kit, BSVRK

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

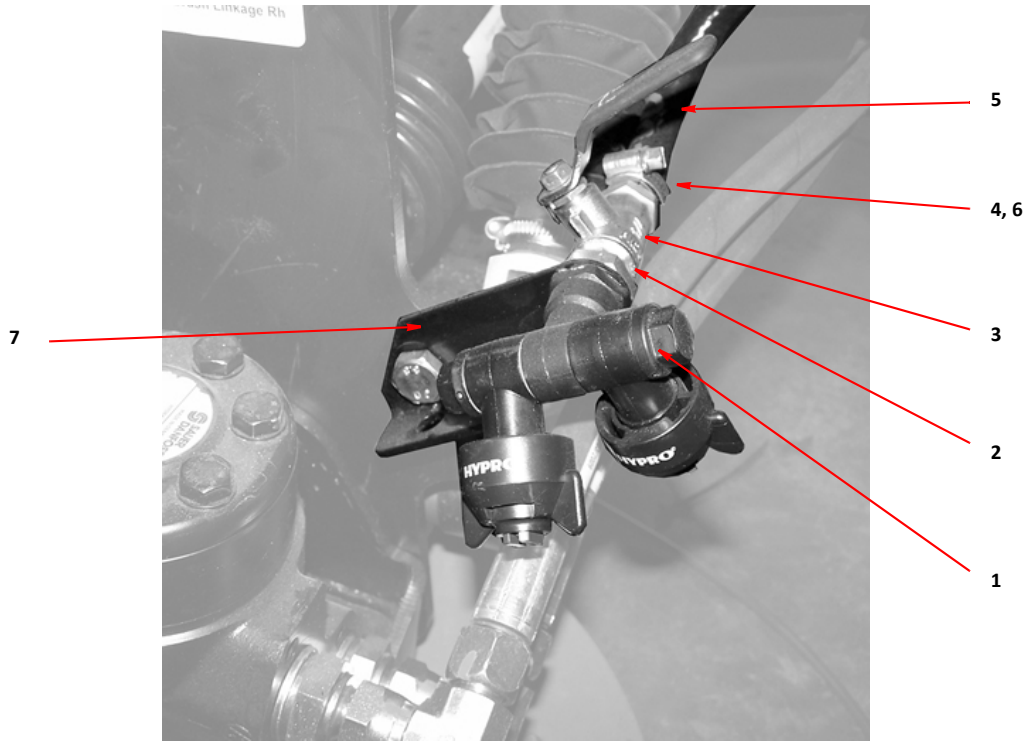
Washing and Dust Suppression

<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 D1
	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

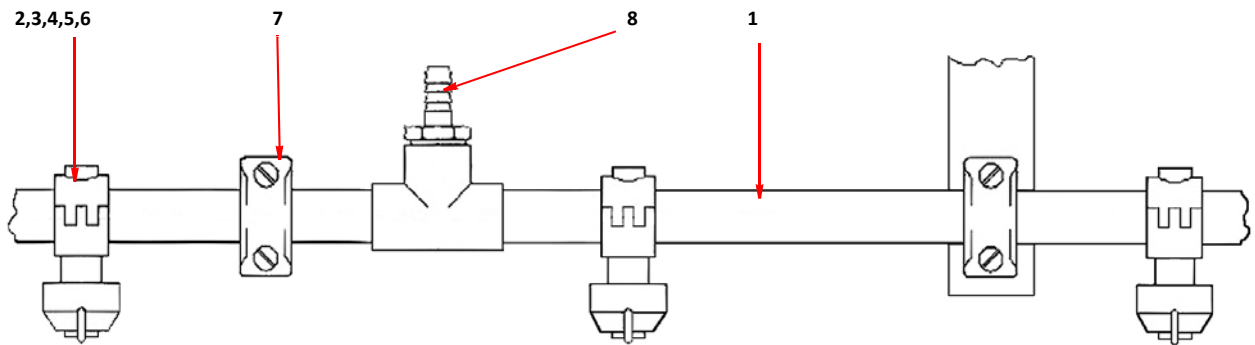
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Front Low Pressure Spray Bar			
1	030323*	1	. Low-pressure spray bar
2	030632	7	. . Jet
3	030633	7	. . Filter
4	030634	7	. . Nozzle holder
5	030635	7	. . Cap, jet
6	030636	7	. . Washer, rubber
7	031338	AR	. . Clamp
8	031339	1	. . Hose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

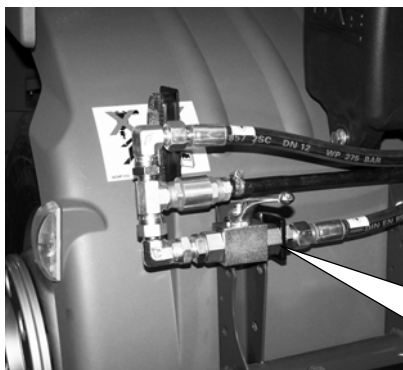
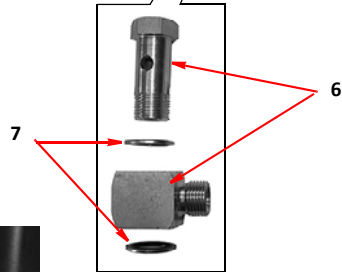
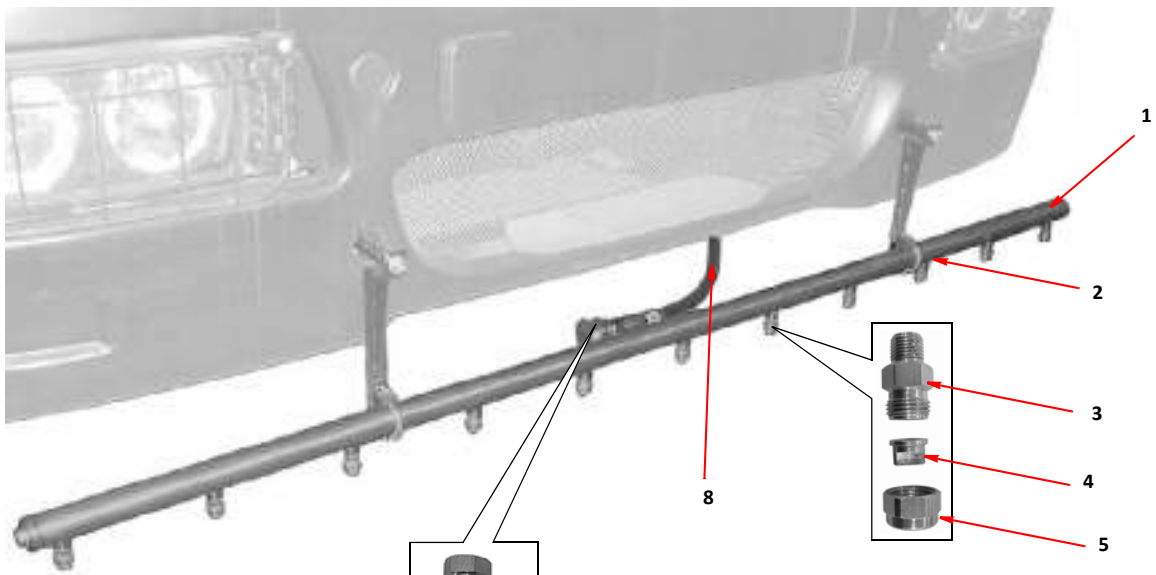


FRONT LOW PRESSURE SPRAY BAR

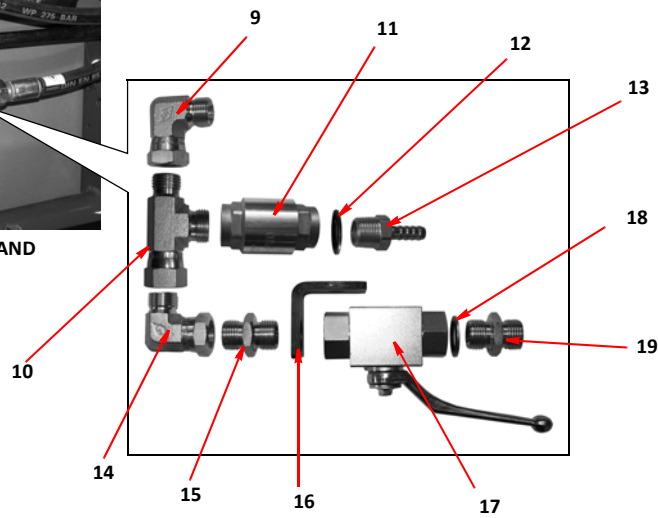
Item	Part Number	Quantity	Description
Combined High & Low Pressure Front Spray Bar Arrangement			
1	020405*	1	. Spray bar, stainless steel
2	014983	AR	. . U-Clamp
3	010112	11	. . Nozzle body
4	023377	11	. . . Jet
5	030951	11	. . . Nozzle cap
6	011188	1	. . Banjo elbow, $\frac{1}{2}$ " BSP (complete)
7	011154	2	. . . Seal, Dowty, $\frac{1}{2}$ " BSP
8	001067	1	. . Hose, 4500mm long, straight ends, $\frac{1}{2}$ " BSP (to front spray bar)
9	011173	2	. . Elbow, swivel, M/F, $\frac{1}{2}$ " BSP
10	011182	1	. . . Tee, swivel, M/M/F, $\frac{1}{2}$ " BSP
11	003033	1	. . . . Valve, non-return, $\frac{1}{2}$ " BSP
12	011154	4	. . . . . Seal, Dowty, $\frac{1}{2}$ " BSP
13	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
14	011173	2	. . . . Elbow, swivel, M/F, $\frac{1}{2}$ " BSP
15	011160	1	. . . . . Adaptor, M/M, $\frac{1}{2}$ " BSP
16	025007	1	. . . . . Bracket, angle, valve support
17	023176	1	. . . . . Valve, ball, F/F, $\frac{1}{2}$ " BSP
18	011154	4	. . . . . Seal, Dowty, $\frac{1}{2}$ " BSP
19	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.



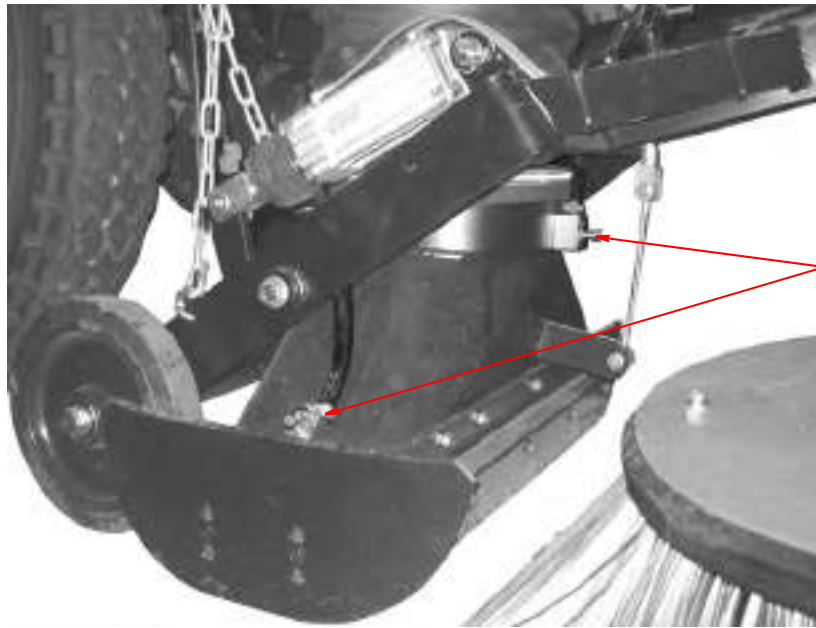
SHOWN FITTED TO LEFT HAND SIDE OF VEHICLE



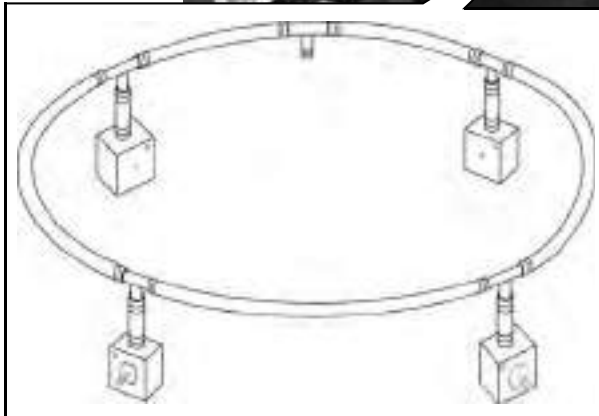
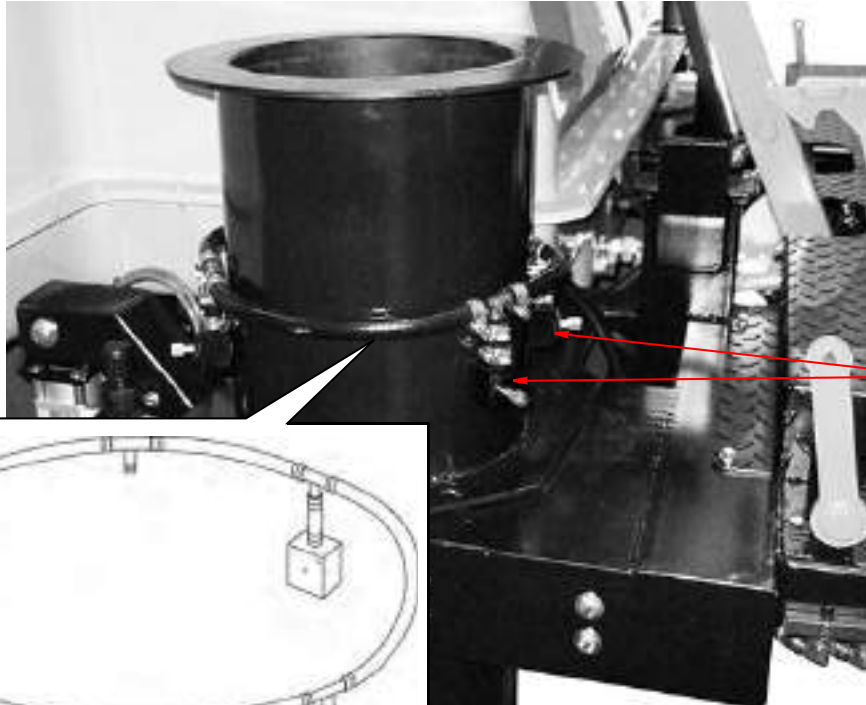
COMBINED HIGH & LOW PRESSURE FRONT SPRAY BAR ARRANGEMENT

<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
	003000	5	. . . Tee, brass, $\frac{3}{8}$ "
	010950	AR	. . . . Hose, plastic reinforced, $\frac{3}{8}$ "
	010516	18	. . . . . Clamp, hose, worm drive, 11-16mm

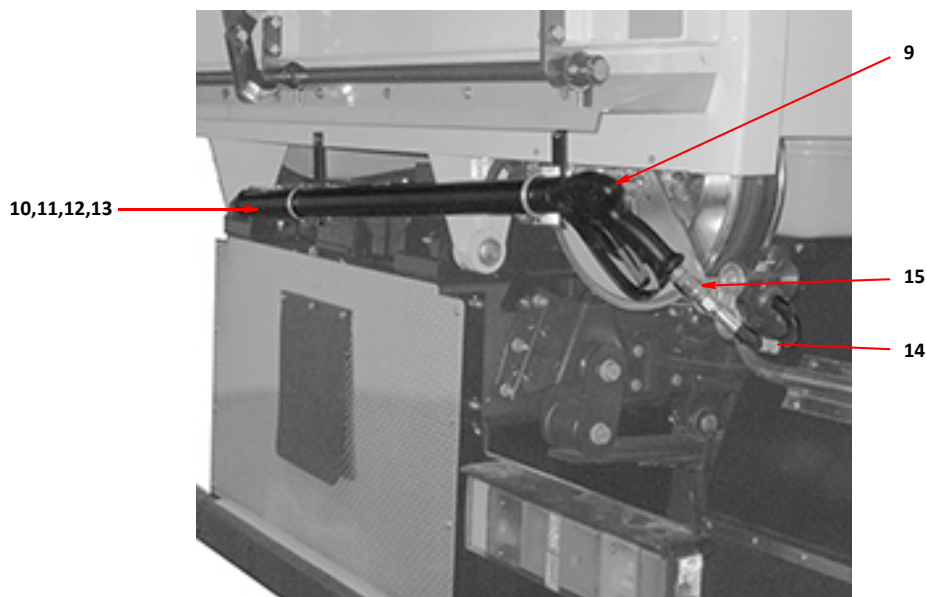
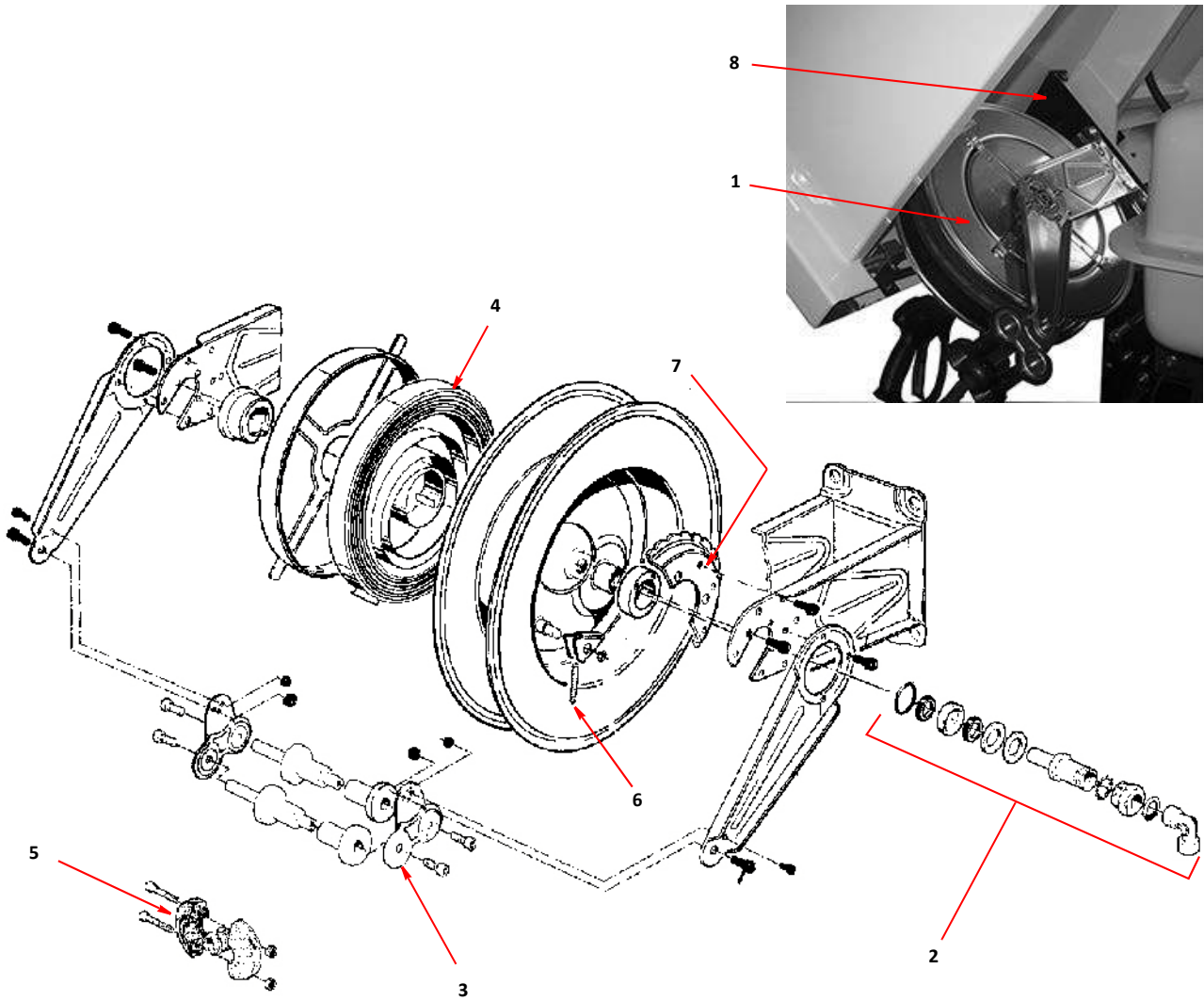


SUCTION NOZZLE BOX DUST SUPPRESSION



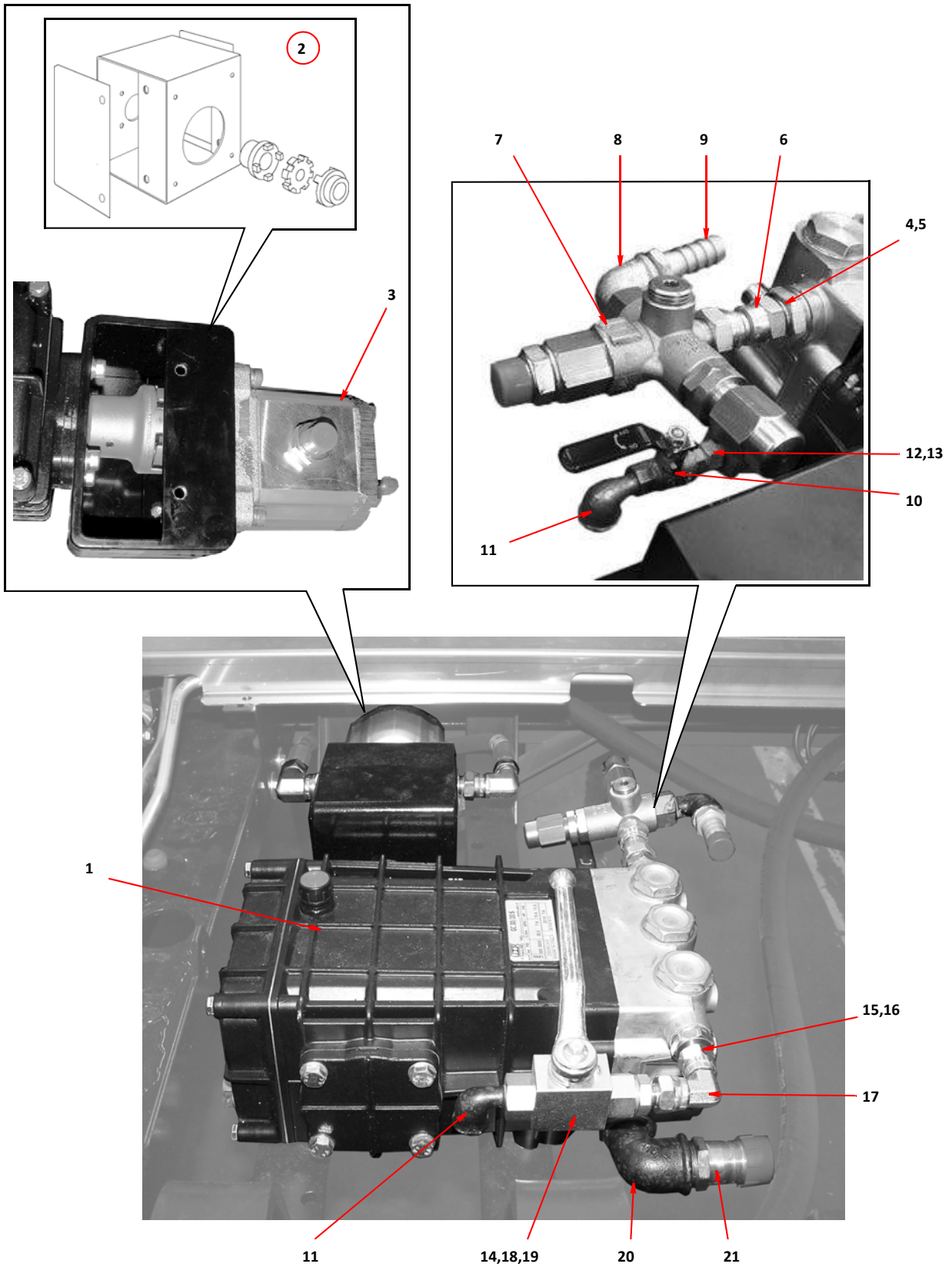
SUCTION TUBE DUST SUPPRESSION

<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



AUTOMATIC HOSE REEL & LANCE ASSEMBLY

Item	Part Number	Quantity	Description
High Pressure Water Pump 30 LPM - Arrangement			
1	039940	1	. Pump, High-Pressure, 30 litres/minute - 100 bar Page F23
	011031	4	. . Setscrew, M10 x 25mm
	011095	4	. . Spring washer, M10
2	036654	1	. . Drive box kit (with cover plate)
	000017	4	. . . Screw, socket cap head, M8 x 30mm
	011093	4	. . . Spring washer, M8
3	025373	1	. . Motor, hydraulic, 19cc (reversible), Page F17
NI	011154	2	. . . Seal, Dowty $\frac{1}{2}$ " BSP
NI	011160	1	. . . . Adaptor, M/M, $\frac{1}{2}$ " BSP
NI	011167	1	. . . . Adaptor, M/M, $\frac{1}{2}$ " BSP x $\frac{1}{2}$ " BSP
	000017	4	. . . Screw, socket cap head, M8 x 30mm
	011093	3	. . . Spring washer, M8
4	011159	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP
5	011153	1	. . . . Seal, Dowty, $\frac{3}{8}$ " BSP
6	011214	1	. . . Adaptor, F/F, $\frac{3}{8}$ " BSP
7	010599	1	. . Valve unloader
8	010913	1	. . . Elbow, galvanised, M/F, $\frac{3}{8}$ " BSP
9	010930	1	. . . , Hose tail, $\frac{3}{8}$ " BSP x $\frac{5}{8}$ " hose
10	011743	1	. . . Valve, ball, pump low pressure drain, $\frac{1}{4}$ " BSP
11	010910	2	. . . . Elbow, galvanised, M/F, $\frac{1}{4}$ " BSP
12	003006	1	. . . Adaptor, galvanised, M/F, $\frac{3}{4}$ " BSP x $\frac{1}{4}$ " BSP
13	010944	1	. . . Adaptor, galvanised, M/M, $\frac{1}{4}$ " BSP
14	011257	1	. . . Valve, ball, pump high pressure drain, $\frac{1}{4}$ " BSP
15	011199	1	. . . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
16	011153	1	. . . . . Seal, Dowty, $\frac{3}{8}$ " BSP
17	011171	1	. . . . Elbow, swivel, F/F, $\frac{1}{4}$ " BSP
18	011152	1	. . . . Seal, Dowty, $\frac{1}{4}$ " BSP
19	011158	1	. . . . Adaptor, M/M, $\frac{1}{4}$ " BSP
20	010918	1	. . . Elbow, galvanised, M/F, $\frac{3}{4}$ " BSP
21	010931	1	. . . . Hose tail, $\frac{3}{4}$ " BSP x 1" hose

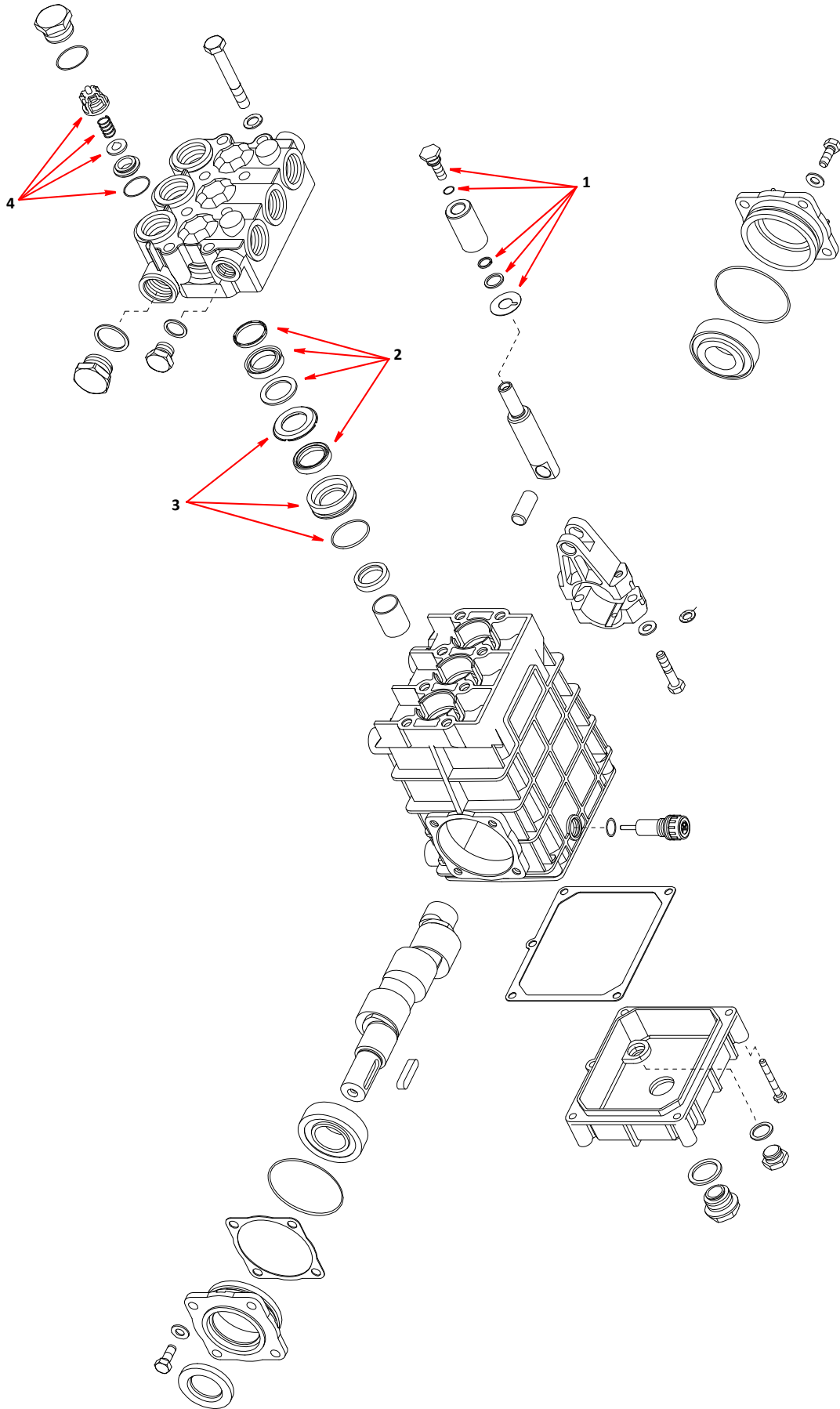


HIGH PRESSURE WATER PUMP 30 LPM - ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
			High Pressure Water Pump 30 LPM - Seal and Valve Kits
1	*	1	. Seal kit (KIT 6)
2	*	1	. Water seal kit (KIT 11)
3	*	1	. Water seal kit (KIT 18)
4	*	1	. Valve kit Including (KIT 31)

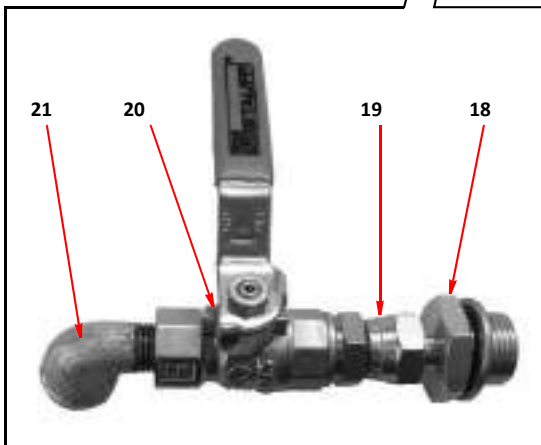
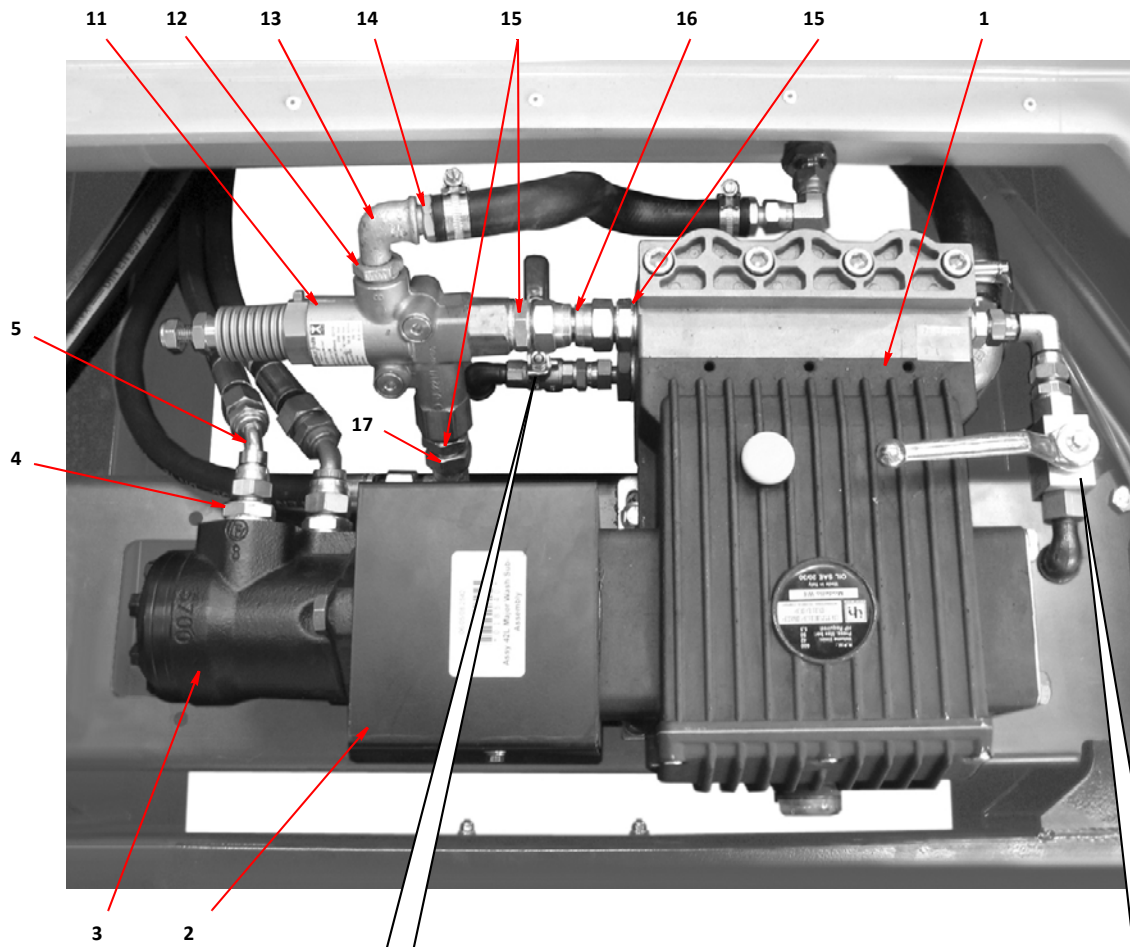
Notes:-

* To Be Advised. Please contact the Scarab Parts Department for confirmation of required kits and parts.

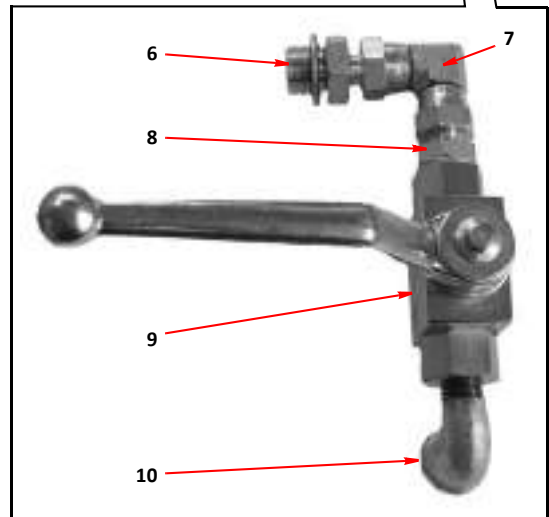


HIGH PRESSURE WATER PUMP 30 LPM - SEAL AND VALVE KITS

Item	Part Number	Quantity	Description
High Pressure Water Pump 42 LPM - Arrangement			
1	020308	1	. Pump, high-pressure, 42 litres/minute
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 F17
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



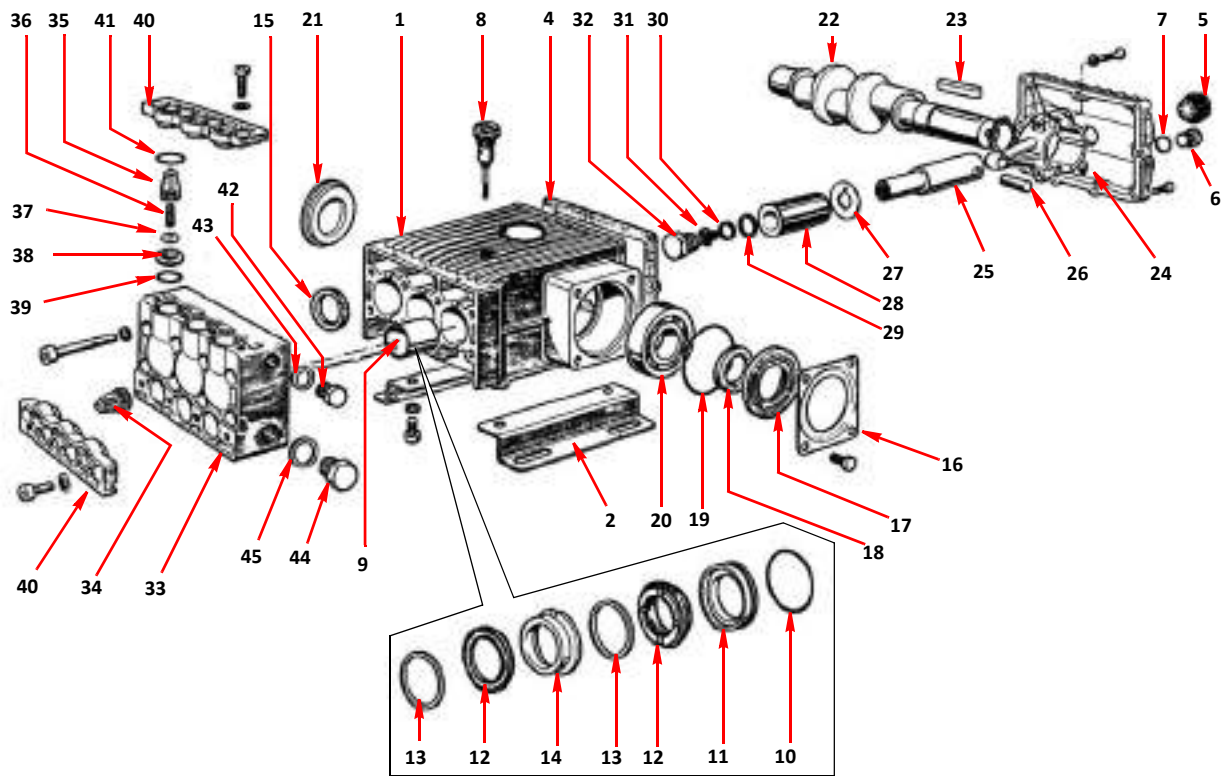
LOW PRESSURE DRAIN VALVE



HIGH PRESSURE DRAIN VALVE

HIGH PRESSURE WATER PUMP 42 LPM - ARRANGEMENT

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
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	. . Cap
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	. . Cap
43	022142	1	. . . Washer
44	022140	1	. . Plug
45	022141	1	. . . Washer



HIGH PRESSURE WATER PUMP 42 LPM - COMPONENTS

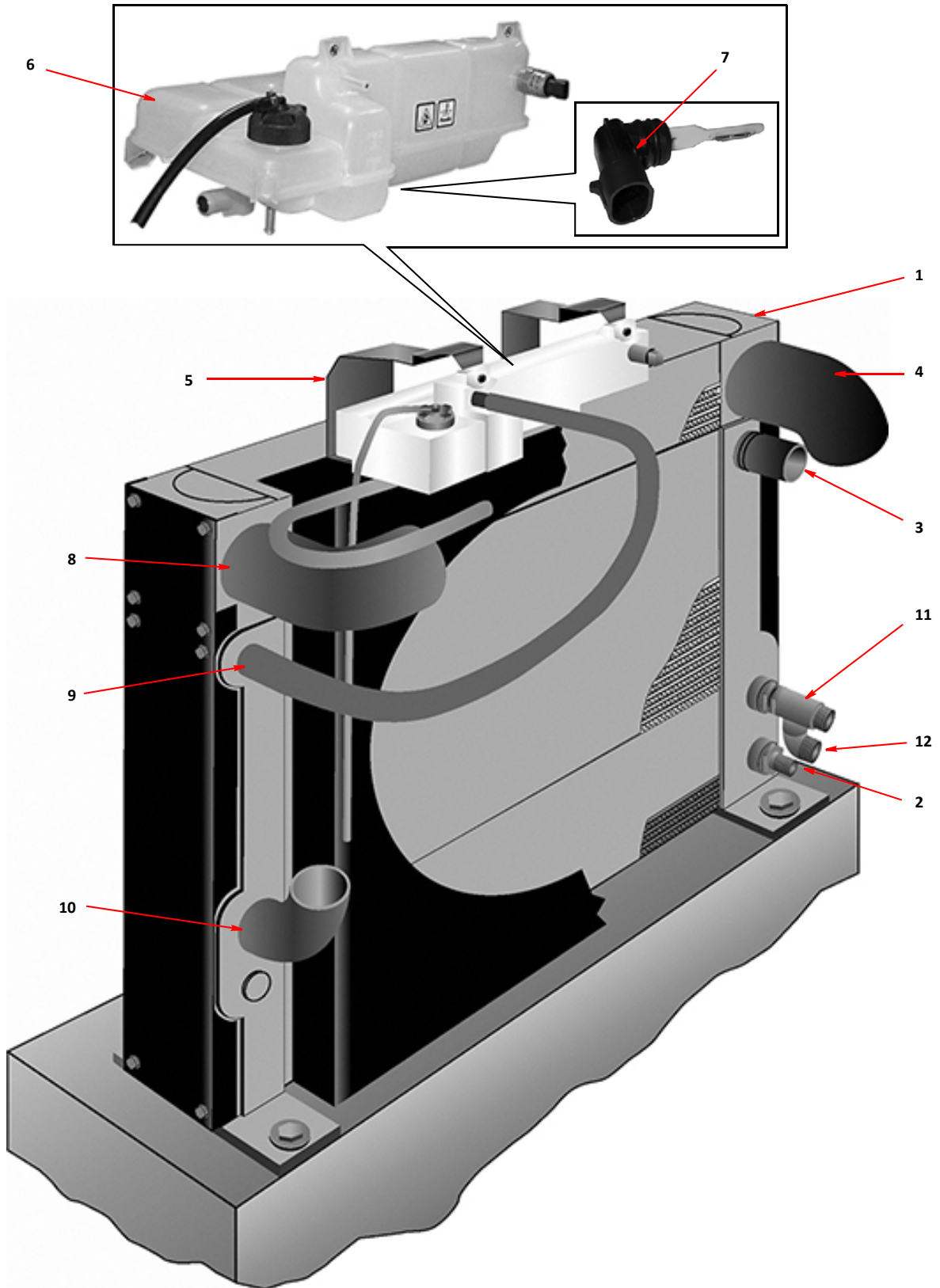
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
			High Pressure Water Pump 42 LPM - Seal Kits
NI	022152	1	. Kit No 32 , Comprising 2 x Item 18
NI	022153	1	. Kit No 37 , Comprising 3 x Item 15
NI	022154	1	. Kit No 38 , Comprising 3 x Item 12
NI	022155	1	. Kit No 39 , Comprising 1 x 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

HYDRAULIC SYSTEM SECTION F

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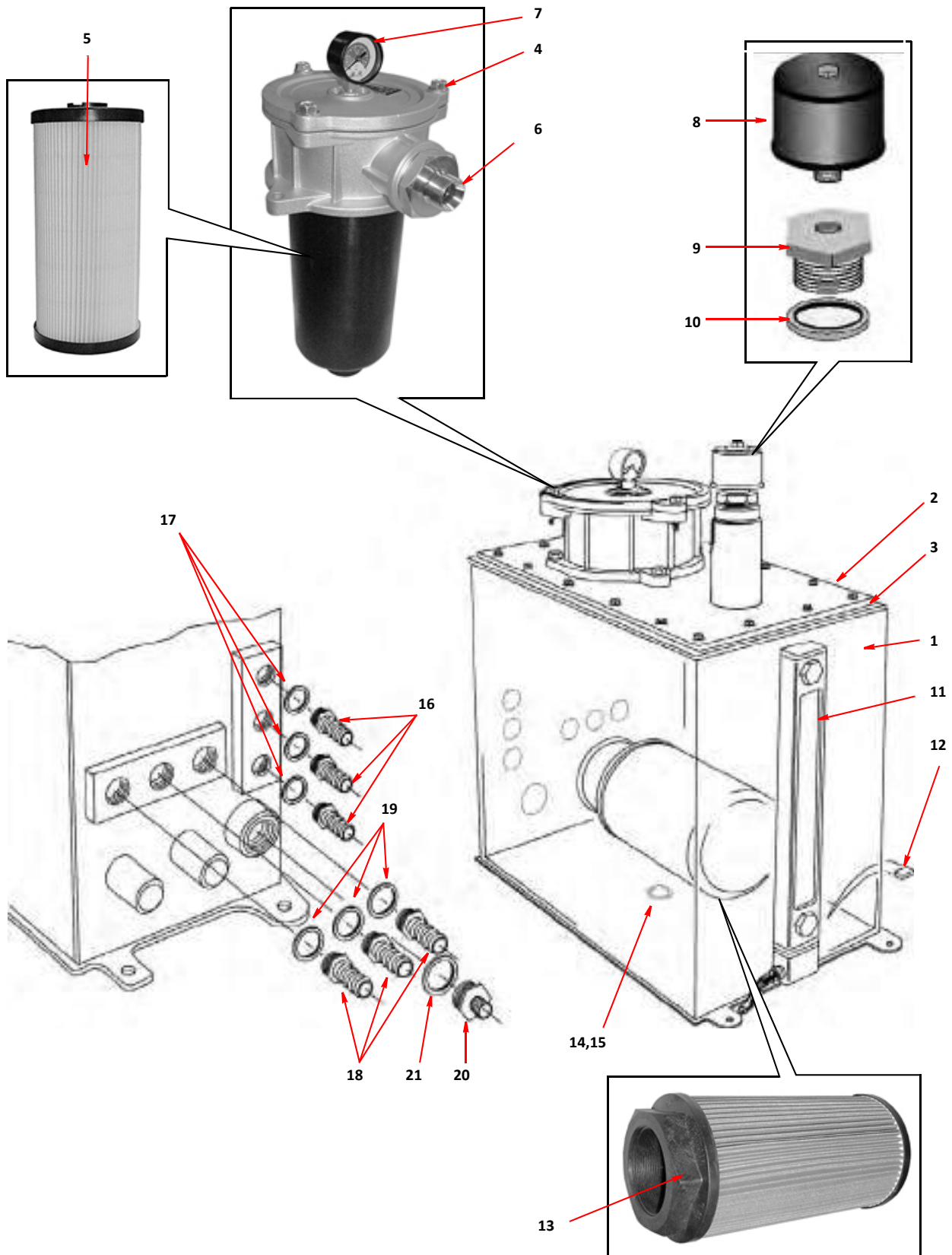
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<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Combined Radiator/Oil Cooler			
1	033711	1	. Combined radiator/oil cooler matrix Page B1
	000110	4	. . Bolt, M12 x 80mm
	012969	8	. . Washer, rubber
	013448	4	. . Washer
	011077	4	. . Nut, M12, Nyloc
2	011235	1	. . Hose Tail, 1/2" BSP x 16mm hose
NI	002074	2	. . . Adaptor, 26mm x 1/2" BSP
NI	002082	2	. . . . Seal, Dowty 26mm
3	033593	1	. . Hose, rubber (moulded)
	003007	1	. . . Clamp, worm-drive, 35-50mm
4	033590	1	. . Hose, rubber (moulded)
	005112	2	. . . Clamp, worm-drive, 60-80mm
5	035537	1	. . Bracket, expansion tank, (pre WK8239)
NI	040605	2	. . Bracket, expansion tank (WK8239 onwards)
	039932	4	. . . Fastener, anti-vibration, M8
	011012	4	. . . . Setscrew, high tensile, M8 x 30mm
6	034954	1	. Expansion tank Page B1
7	037226	1	. . Fluid level sensor, located in bottom of expansion tank Page H5
8	033591	1	. . Hose, rubber (moulded)
	005112	2	. . . Clamp, worm-drive, 60-80mm
9	010516	AR	. . Hose, rubber, 8mm
NI	010922	1	. . Hose Tail, 1/4" BSP x 3/8" hose
	010517	2	. . . Clamp, worm-drive, 11-16mm
10	033592	1	. . Hose, rubber (moulded)
	012927	1	. . . Clamp, worm-drive, 40-55mm
11	011182	1	. . Tee, F/M/M, 1/2" BSP
12	011173	1	. . . Elbow, M/F, 1/2" BSP



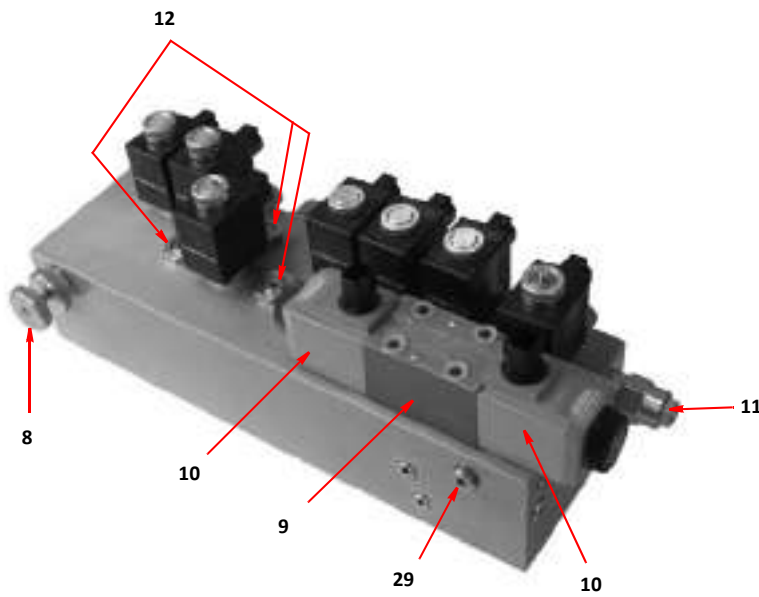
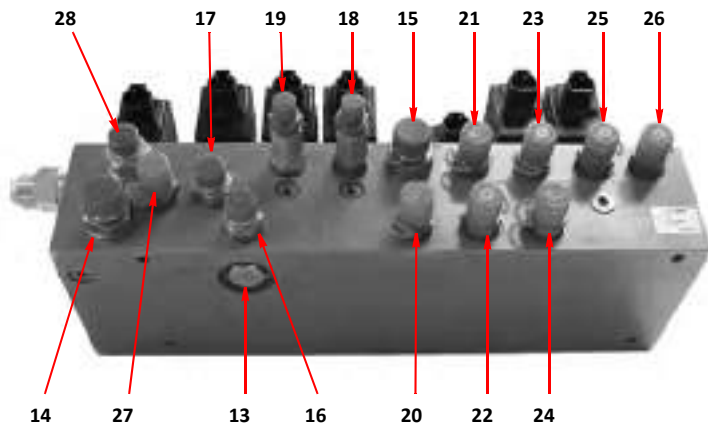
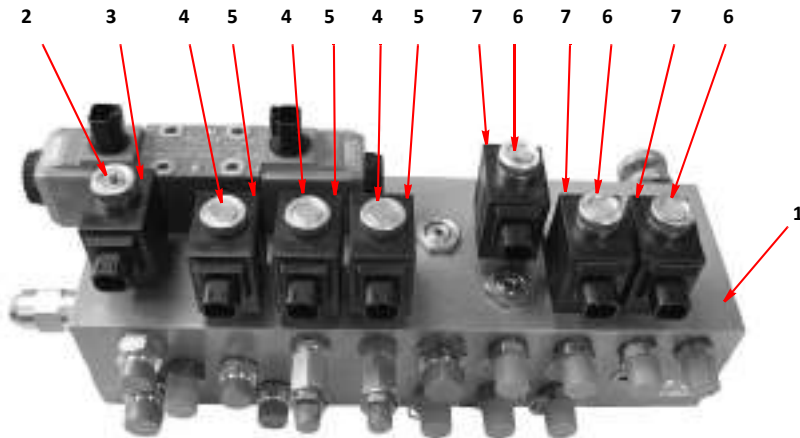
COMBINED RADIATOR/OIL COOLER

Item	Part Number	Quantity	Description
Hydraulic Oil Tank Arrangement			
1	034328	1	. Tank, hydraulic oil Page C1, F23
	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
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 $\frac{1}{4}$ " BSP x 3 $\frac{3}{4}$ " BSP
NI	011150	1	. . . . Seal, Dowty, 1 $\frac{1}{4}$ " BSP
NI	011174	1	. . . Elbow, swivel, 90° x 3 $\frac{3}{4}$ " 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 $\frac{3}{4}$ " BSP
15	011155	1	. . . . Seal, Dowty, 3 $\frac{3}{4}$ " BSP
16	010923	3	. . Hose tail, 3 $\frac{3}{8}$ " BSP x 3 $\frac{3}{8}$ " hose
17	011153	3	. . . Seal, Dowty, 3 $\frac{3}{8}$ " BSP
18	002159	3	. . Hose tail, 1 $\frac{1}{2}$ " BSP x 5 $\frac{5}{8}$ " hose
19	011154	3	. . . Seal, Dowty, 1 $\frac{1}{2}$ " BSP
20	011164	1	. . Adaptor, M/M, 3 $\frac{3}{4}$ " BSP x 1 $\frac{1}{4}$ " BSP
21	011155	1	. . . Seal, Dowty, 1 $\frac{1}{2}$ " BSP



HYDRAULIC OIL TANK ARRANGEMENT

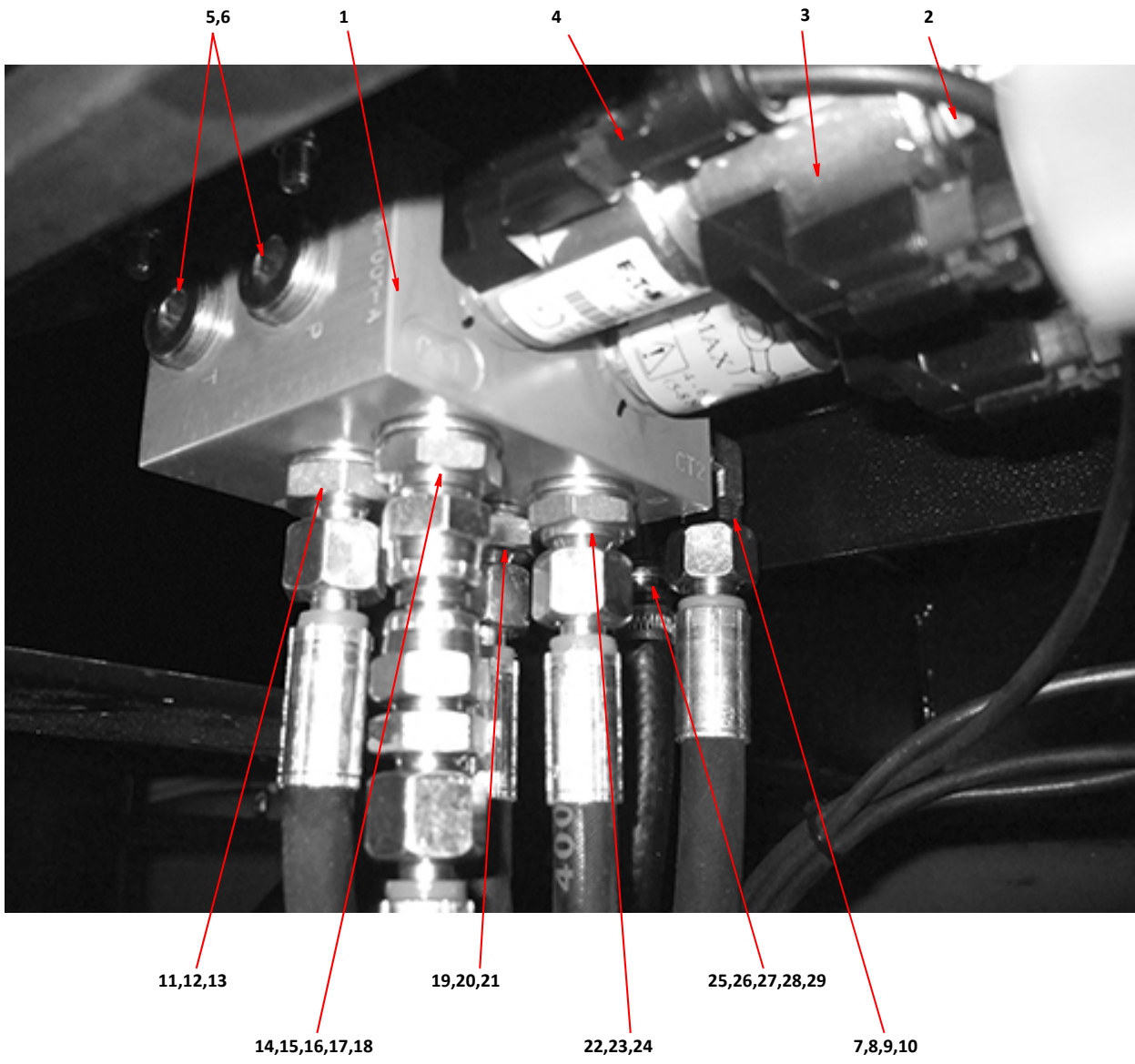
Item	Part Number	Quantity	Description
Valve Block - Main Control			
1	038218	1	. Valve block - main control Page F23
2	034969	1	. . Solenoid valve, S501N-3-B5G
3	038987	1	. . . Coil, 24V DC, C16DM24/21
NI	034971	1	. . . . Seal kit, SK1028
4	034979	3	. . Solenoid valve, S502N
5	038987	3	. . . Coil, 24V 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	031975	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
Valve Block - Hopper Controls *			
1	039703	1	. Valve block, hopper controls Page F23
	000136	2	. . Screw, socket cap, M8 x 16mm
	001192	2	. . . Washer, M8
2	039746	2	. . Solenoid valve
3	039747	4	. . . 24VDC coil with diode
NI	039748	2	. . . . Coil spacer
4	039705	4	. . . . M12 plug wjth cable and Deutsch DT 2way, 3m Page H5
5	011153	2	. . Seal, Dowty, $\frac{3}{8}$ " BSP
6	011242	2	. . . Plug, $\frac{3}{8}$ " BSP
7	011153	2	. . Seal, Dowty, $\frac{3}{8}$ " BSP
8	011159	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " BSP
9	002148	1	. . . . Elbow, swivel, M/F, $\frac{3}{8}$ " BSP
10	011308	1	. . . . . Hose, rubber, $\frac{3}{8}$ " BSP x 500mm (PORT P, main valve block/hand pump)
11	011153	1	. . Seal, Dowty, $\frac{3}{8}$ " BSP
12	011199	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
13	011329	1	. . . . . Hose, $\frac{1}{4}$ " BSP x 1200mm (PORT A, door open)
14	011153	1	. . Seal, Dowty, $\frac{3}{8}$ " BSP
15	011199	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
16	011219	1	. . . . Adaptor, swivel, F/F, $\frac{1}{4}$ " BSP
17	040217	1	. . . . . Restrictor, $\frac{1}{4}$ " x $\frac{3}{8}$ " BSP ($\frac{3}{64}$ " Orange)
18	011329	1	. . . . . Hose, $\frac{1}{4}$ " BSP x 1200mm (PORT B, door close)
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	001002	1	. . . . . Hose, $\frac{1}{4}$ " BSP x 3700mm (PORT C, hopper 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	001002	1	. . . . . Hose, $\frac{1}{4}$ " BSP x 3700mm (PORT D, hopper close)
25	011153	1	. . Seal, Dowty, $\frac{3}{8}$ " BSP
26	011159	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " BSP
27	002048	1	. . . . Elbow, swivel, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " hose
28	010958	AR	. . . . . Hose, rubber, $\frac{3}{8}$ " bore (PORT T, to return)
29	010517	1	. . . . . Clamp, hose, worm drive, 18-25mm
30	040190	1	. Unloader tool, solenoid valve

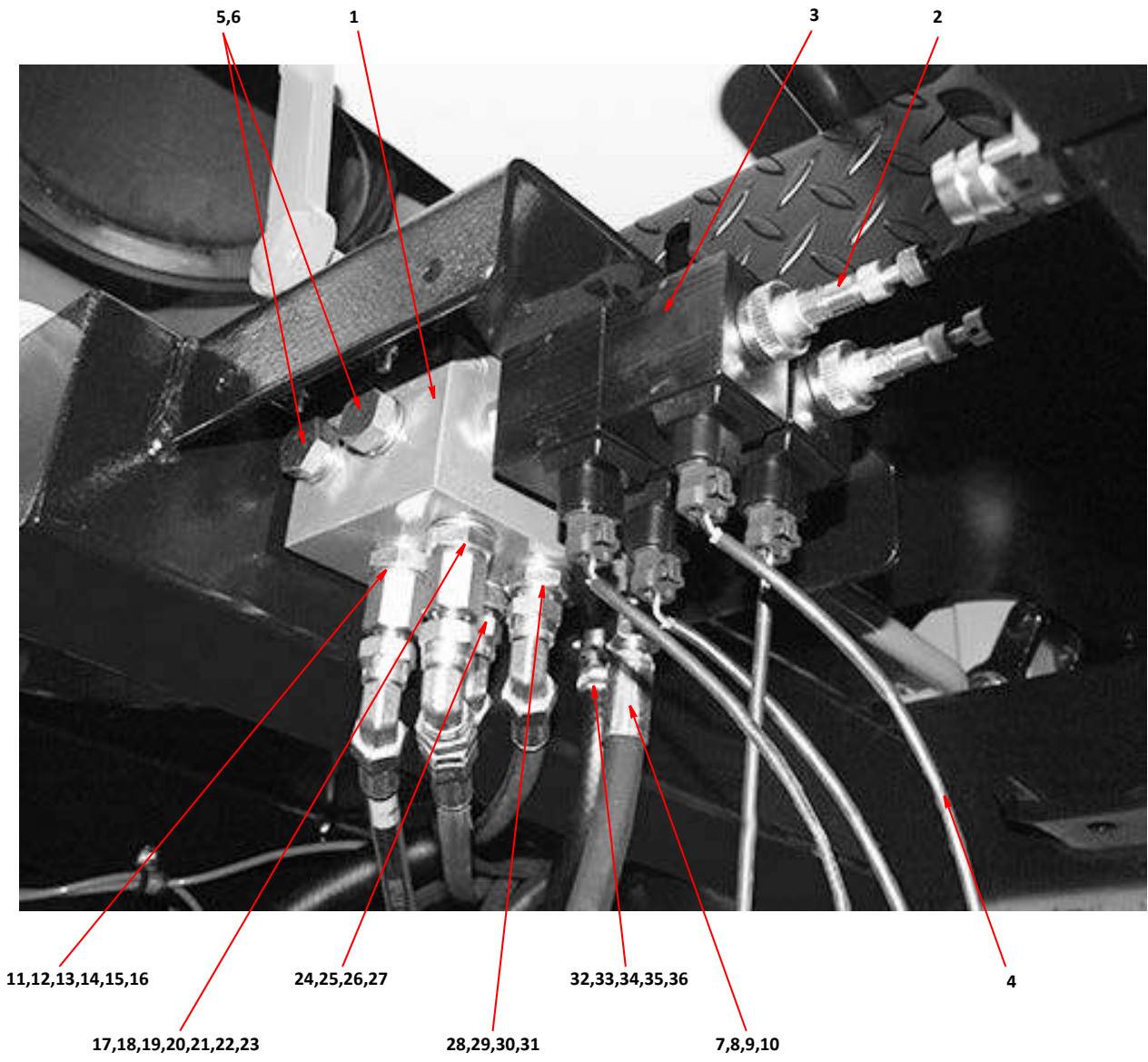
Notes:-
 * Please also see Page F9 to identify the correct valve block, solenoids and coils used on your sweeper.
 Not used if Hopper and Rear Door, Hydraulic Operating Levers are fitted. See Page F11.



VALVE BLOCK - HOPPER CONTROLS

Item	Part Number	Quantity	Description
Valve Block - Hopper Controls *			
1	039871	1	. Valve block, hopper controls Page F23
	000136	2	. . Screw, socket cap, M8 x 16mm
	001192	2	. . . Washer, M8
2	035218	2	. . Solenoid valve (S571N-4)
3	038987	4	. . . 24VDC coil, (C16DM24/21 UN-D)
4	039705	4	. . . . M12 plug with cable and Deutsch DT 2way, 3m Page H5
5	011153	2	. . Seal, Dowty, $\frac{3}{8}$ " BSP
6	011242	2	. . . Plug, $\frac{3}{8}$ " BSP
7	011153	2	. . Seal, Dowty, $\frac{3}{8}$ " BSP
8	011159	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " BSP
9	011172	1	. . . . Elbow, swivel, M/F, $\frac{3}{8}$ " BSP
10	011308	1	. . . . . Hose, rubber, $\frac{3}{8}$ " BSP x 500mm (PORT P)
11	011153	1	. . Seal, Dowty, $\frac{3}{8}$ " BSP
12	011199	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
13	011152	1	. . . . Seal, Dowty, $\frac{1}{4}$ " BSP
14	002014	1	. . . . . Adaptor, fixed, M/F, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
15	011169	1	. . . . . Elbow, swivel, M/F, $\frac{1}{4}$ " BSP
16	011329	1	. . . . . Hose, $\frac{1}{4}$ " BSP x 1200mm (PORT A)
17	011153	1	. . Seal, Dowty, $\frac{3}{8}$ " BSP
18	011199	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
19	011152	1	. . . . Seal, Dowty, $\frac{1}{4}$ " BSP
20	002014	1	. . . . . Adaptor, fixed, M/F, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
21	011169	1	. . . . . Elbow, swivel, M/F, $\frac{1}{4}$ " BSP
22	027804	1	. . . . . Restrictor No.14, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP (3/64 Orange)
23	011329	1	. . . . . Hose, $\frac{1}{4}$ " BSP x 1200mm (PORT B)
24	011153	1	. . Seal, Dowty, $\frac{3}{8}$ " BSP
25	011199	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
26	011169	1	. . . . Elbow, swivel, M/F, $\frac{1}{4}$ " BSP
27	001002	1	. . . . . Hose, $\frac{1}{4}$ " BSP x 3700mm (PORT D)
28	011153	1	. . Seal, Dowty, $\frac{3}{8}$ " BSP
29	011199	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
30	011169	1	. . . . Elbow, swivel, M/F, $\frac{1}{4}$ " BSP
31	001002	1	. . . . . Hose, $\frac{1}{4}$ " BSP x 3700mm (PORT C)
32	011153	1	. . Seal, Dowty, $\frac{3}{8}$ " BSP
33	011159	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " BSP
34	002048	1	. . . . Elbow, swivel, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " hose
35	010958	AR	. . . . . Hose, rubber, $\frac{3}{8}$ " bore (PORT T, to return)
36	010517	1	. . . . . Clamp, hose, worm drive, 18-25mm
37	036462	1	. Unloader tool, solenoid valve

Notes:-
 * Please also see Page F7 to identify the correct valve block, solenoids and coils used on your sweeper.
 Not used if Hopper and Rear Door, Hydraulic Operating Levers are fitted. See Page F11.

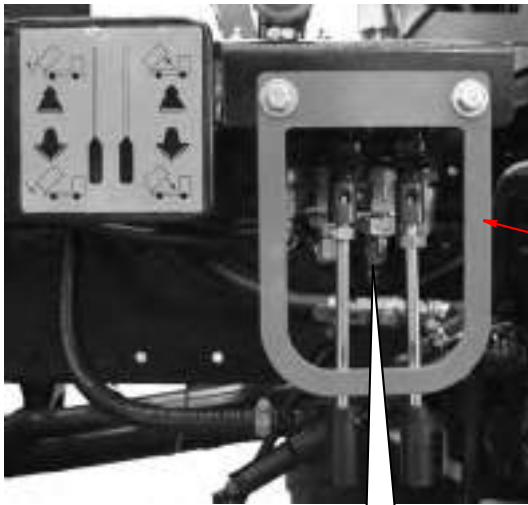


VALVE BLOCK - HOPPER CONTROLS

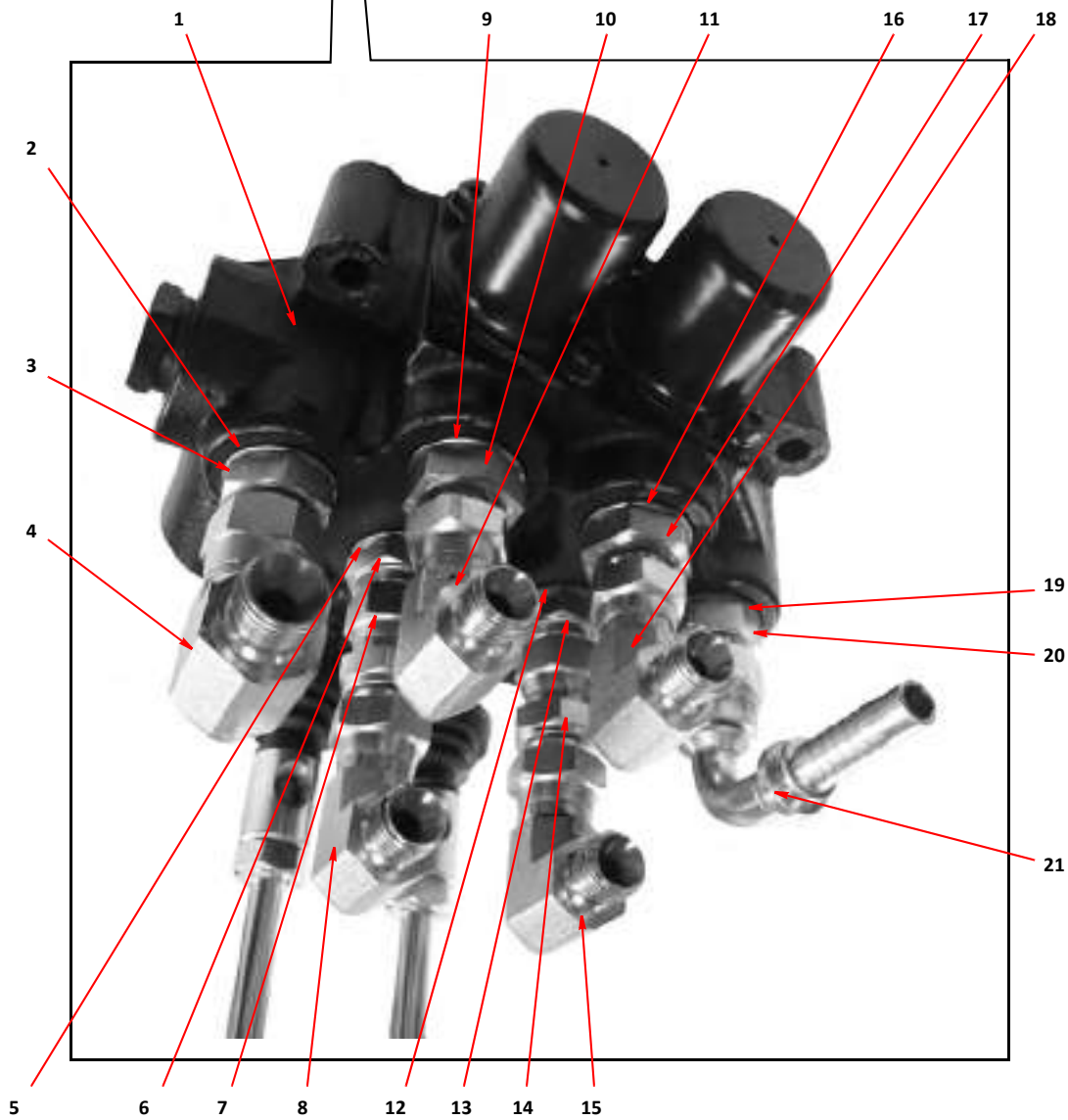
Item	Part Number	Quantity	Description
Hopper and Rear Door, Hydraulic Operating Levers *			
1	034179	1	. Valve, manual, hopper & rear door Page F23
2	011153	1	.. Seal, Dowty, $\frac{3}{8}$ " BSP
3	011159	1	... Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " BSP
4	002148	1	.... Elbow, swivel, M/F, $\frac{3}{8}$ " BSP
NI	011308	1	..... Hose, rubber, $\frac{3}{8}$ " BSP x 500mm
5	011153	1	.. Seal, Dowty, $\frac{3}{8}$ " BSP
6	011199	1	... Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
7	002012	1	.... Adaptor, swivel, M/F, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
8	002148	1	.... Elbow, swivel, M/F, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
NI	011329	1	..... Hose, $\frac{1}{4}$ " BSP x 1200mm (hopper, port A)
9	011153	1	.. Seal, Dowty, $\frac{3}{8}$ " BSP
10	011199	1	... Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
11	002148	1	.... Elbow, swivel, M/F, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
NI	027804	1	..... Restrictor No.14 $\frac{1}{4}$ " x $\frac{1}{4}$ " BSP (3/64 Orange)
NI	011329	1	..... Hose, $\frac{1}{4}$ " BSP x 1200mm (hopper, port B)
12	011153	1	.. Seal, Dowty, $\frac{3}{8}$ " BSP
13	011199	1	... Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
14	002012	1	.... Adaptor, swivel, M/F, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
15	002148	1	.... Elbow, swivel, M/F, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
NI	001002	1	..... Hose, $\frac{1}{4}$ " BSP x 3700mm (rear door, port A)
16	011153	1	.. Seal, Dowty, $\frac{3}{8}$ " BSP
17	011199	1	... Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
18	002148	1	.... Elbow, swivel, M/F, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
NI	001002	1	..... Hose, $\frac{1}{4}$ " BSP x 3700mm (rear door, port B)
19	011153	1	.. Seal, Dowty, $\frac{3}{8}$ " BSP
20	011159	1	... Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " BSP
21	002048	1	.... Elbow, swivel, $\frac{3}{8}$ " BSP x $\frac{3}{8}$ " hose
NI	010958	AR	..... Hose, rubber, $\frac{3}{8}$ " bore
22	035623	1	. Guard, manual operating levers

Notes:-

* Not used if Remote Hopper Controller and Valve Block, Hopper Control is fitted. See Page A1, F7 & F9.

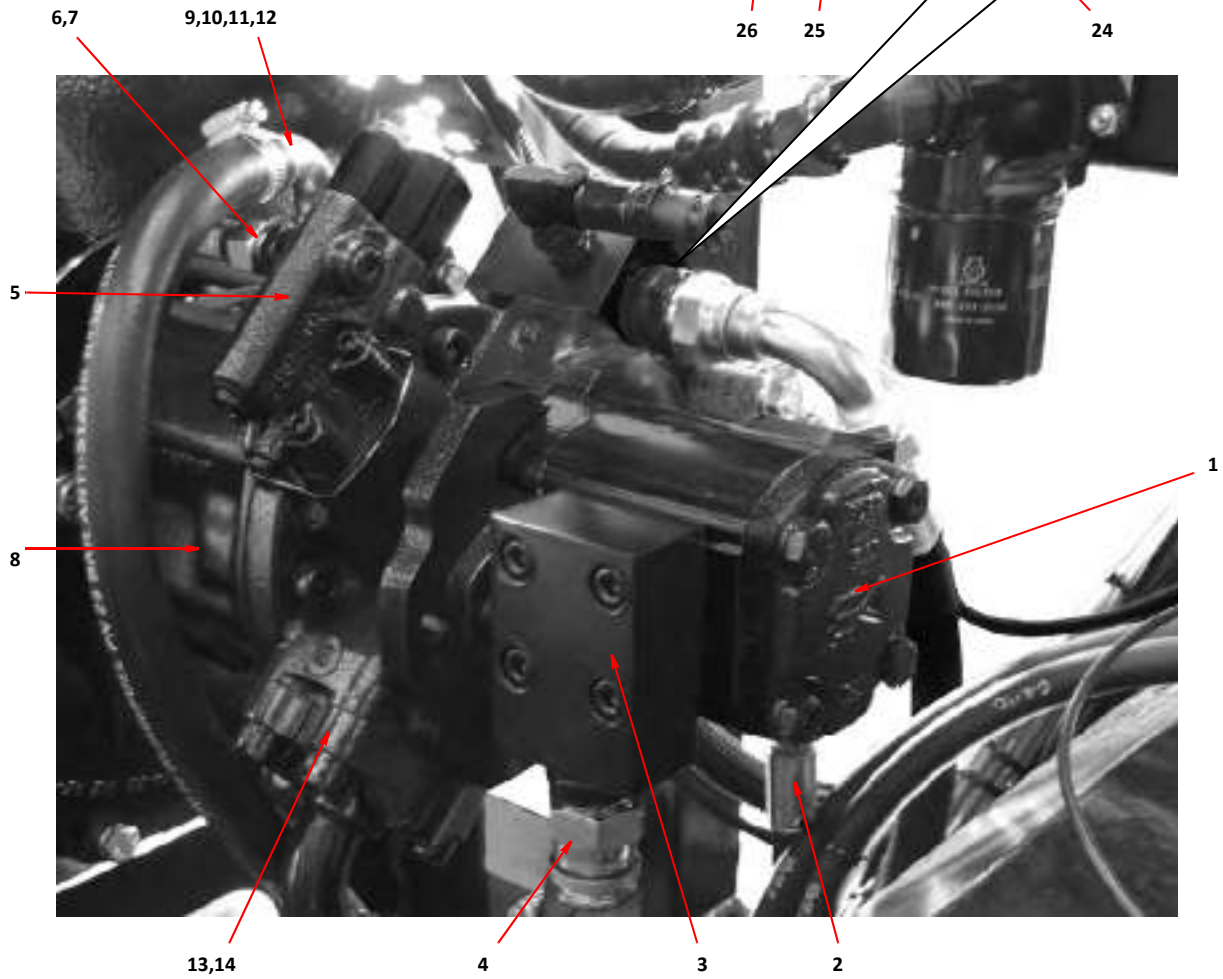
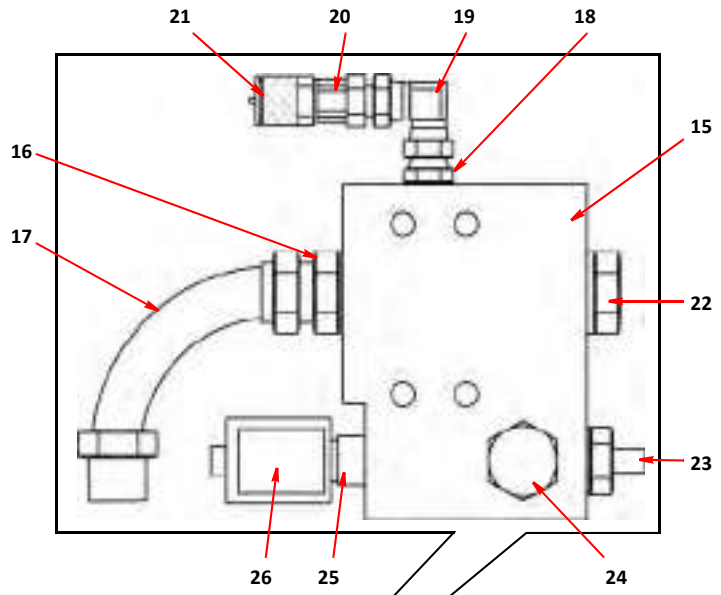


22



HOPPER & REAR DOOR, HYDRAULIC OPERATING LEVERS

Item	Part Number	Quantity	Description
Gear and Suction Fan Pump Arrangement			
1	034268	1	. Gear pump 19.2cc Page F23
2	011224	1	. . Adaptor, M/M, $\frac{3}{4}$ " BSP x $\frac{3}{8}$ " BSP
	011155	1	. . . Seal, Dowty $\frac{3}{4}$ " BSP
3	026335	1	. . Adaptor block
	013517	1	. . . O-ring, 33mm ID x ϕ 3.5mm section
	000096	4	. . . . Screw, socket cap, M8 40mm
4	011161	1	. . . Adaptor, M/M, $\frac{3}{4}$ " BSP x $\frac{3}{4}$ " BSP
	011155	3	. . . . Seal, Dowty $\frac{3}{4}$ " BSP
5	014217	1	. . DFR valve, flow control Page F15
6	011227	1	. . . Adaptor, M/M, $\frac{7}{16}$ " SAE x $\frac{1}{4}$ " BSP, includes o-ring
7	011234	1	. . . . Hose, hydraulic, $\frac{1}{4}$ " BSP straight ends x 360mm
8	023620	1	. . Pump, hydraulic, suction fan, A10VO45 Page F15
9	011160	1	. . Adaptor, M/M, $\frac{1}{2}$ " BSP x $\frac{1}{2}$ " BSP
10	011234	1	. . . Elbow, $\frac{1}{2}$ " BSP x $\frac{5}{8}$ " hose
11	011154	1	. . . Seal, Dowty, $\frac{1}{2}$ " BSP
12	010518	1	. . . . Clamp, worm drive, 18-25mm
13	011231	1	. . Elbow, flanged, 1 hose
	014828	1	. . . Clamp, worm drive, high torque, ϕ 25-40mm
14	011230	2	. . . Flange, split clamp
	011108	4	. . . . . Screw, socket cap head, $\frac{1}{2}$ " UNC x $1\frac{1}{2}$ "
15	037454	1	. . Valve block, fan control
16	011161	1	. . . Adaptor, M/M, $\frac{3}{4}$ " BSP x $\frac{3}{4}$ " BSP
	011155	1	. . . . Seal, Dowty $\frac{3}{4}$ " BSP
17	011196	1	. . . . . Elbow, swept, M/F, $\frac{3}{4}$ " BSP x $\frac{3}{4}$ " BSP
18	011163	1	. . Adaptor, $\frac{1}{8}$ " BSP x $\frac{1}{4}$ " BSP
	011151	1	. . . Seal, Dowty $\frac{1}{8}$ " BSP
19	011169	1	. . . Elbow, swivel, F/F, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
20	002014	1	. . . . Adaptor, M/F, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
	011152	1	. . . . . Seal, Dowty $\frac{1}{4}$ " BSP
21	013036	1	. . . . . Test point, $\frac{1}{4}$ " BSP
22	011242	1	. . . Plug, $\frac{3}{4}$ " BSP
	011155	1	. . . . Seal, Dowty, $\frac{3}{4}$ " BSP
23	011199	1	. . . Adaptor, M/M, $\frac{3}{8}$ " BSP x $\frac{1}{4}$ " BSP
	011153	1	. . . . Seal, Dowty, $\frac{3}{8}$ " BSP
24	011242	1	. . . Plug, $\frac{3}{4}$ " BSP
	011155	1	. . . . Seal, Dowty, $\frac{3}{4}$ " BSP
25	037447	1	. . Solenoid valve, SV5-8-C-0-00
26	037456	1	. . . Coil, 24V, S Series, MCSCS024N 000010



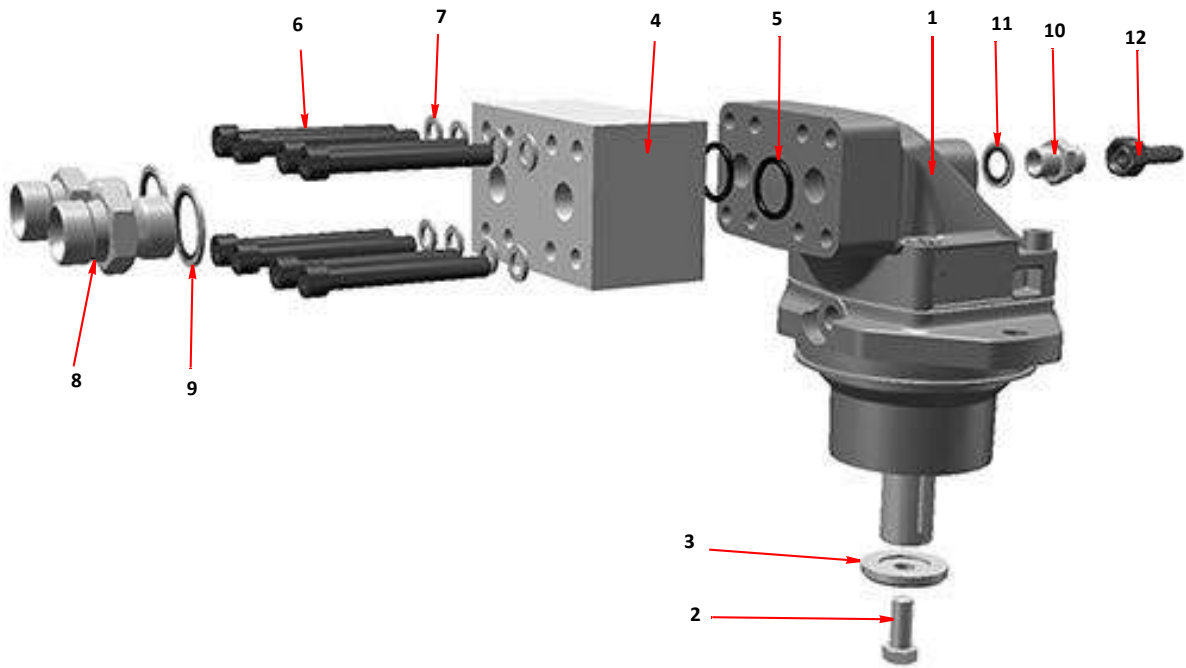
GEAR & SUCTION FAN PUMP ARRANGEMENT

<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 C11
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, \varnothing 25mm ID
6	000048	8	. . Screw, socket cap head, M10 x 80mm
7	011095	8	. . . Spring washer, $\frac{3}{8}$ " 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

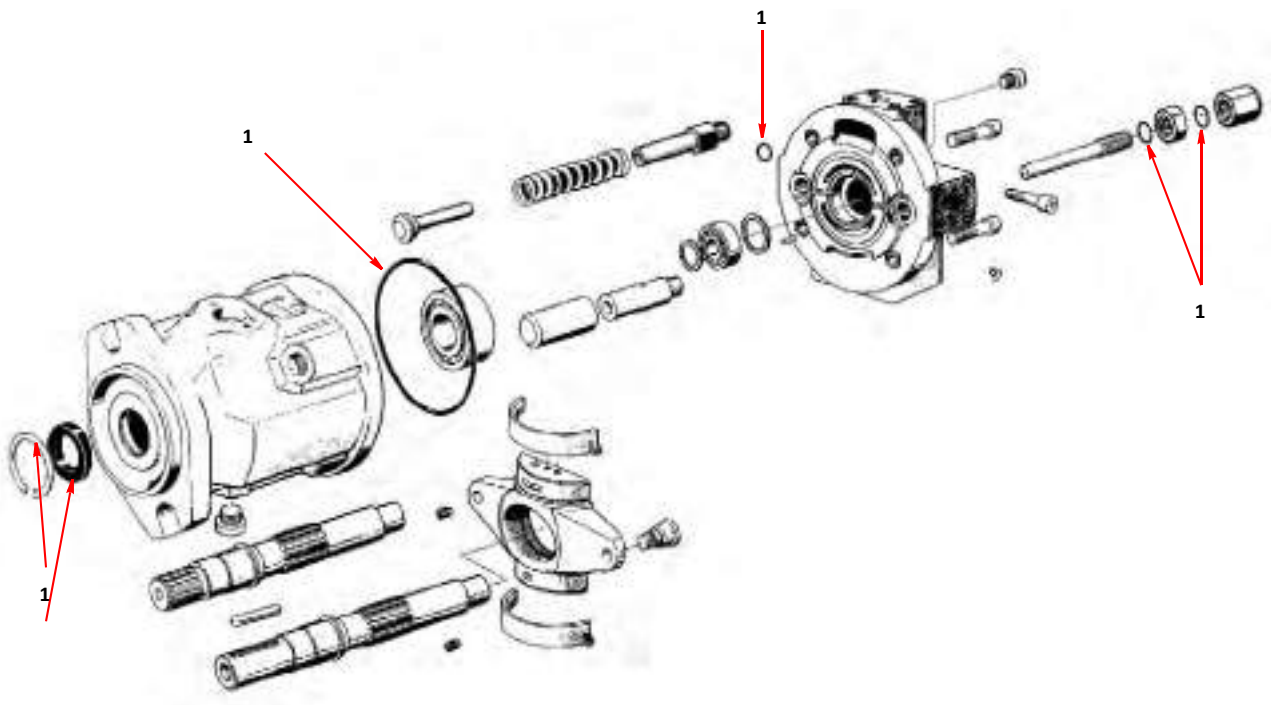
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Low Pressure Water Pump Twin Diaphragm - Arrangement			
	023620	1	. Pump, hydraulic, suction fan, A10V045 Page F13
NI	014217	1	. . DFR valve, flow control Page F13
	011053	2	. . Setscrew, M12 x 35mm
	011097	4	. . Spring washer, M12
1	014552*	1	. . Seal Kit

Notes:-

* Some items in the seal kit are intended for use in the pump's control valve.



SUCTION FAN MOTOR ASSEMBLY



SUCTION FAN PUMP

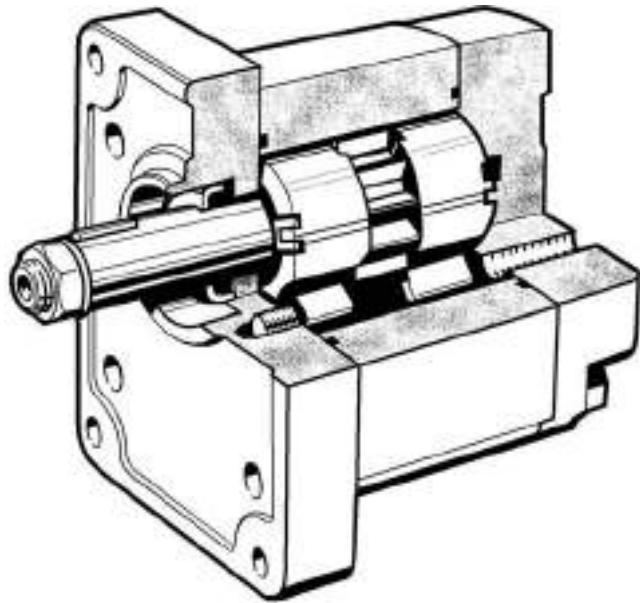
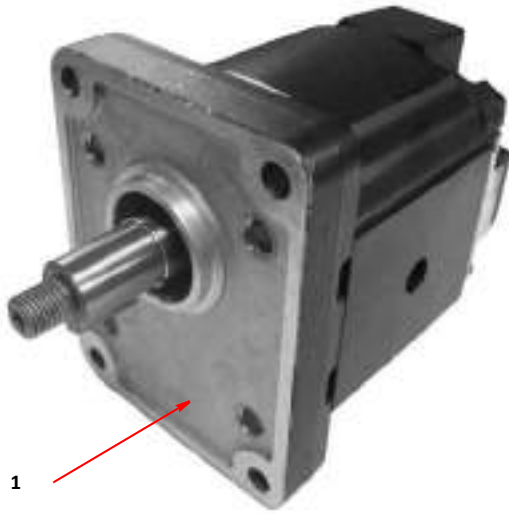
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
			Hydraulic Motor, High Pressure Water Pump 30 LPM
1	025373	1	. Motor, hydraulic, for 19cc, 30 LPM water pumps Page E27,F23
	000020	4	. . Setscrew, M6 x 30mm
	011090	8	. . . Washer, M6
	011071	4	. . . . Nut, M6, Nyloc

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
			Hydraulic Motor, OMP50 Low Pressure Water Pump and High Pressure Water Pump 42 LPM
1	013527	1	. Motor, hydraulic, for LP water pump Page E13,F25
1	013527	1	. Motor, hydraulic, for HP water pump 42 LPM Page E31,F23
	011069	2	. . Setscrew, M12 x 40mm
	011077	2	. . . Nut, M12, Nyloc
2	*	1	. . Seal kit

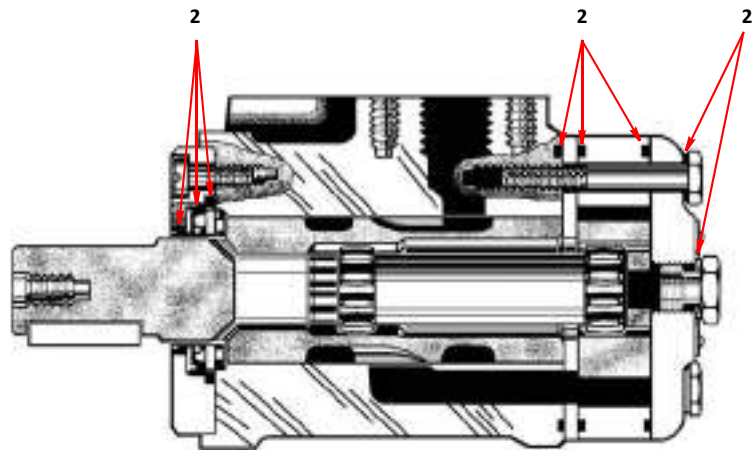
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
			Hydraulic Motor, OMP100 - Wide Sweep
1	010566	1	. Motor, hydraulic, for wide sweepPage D5,F25
	011053	2	. . Setscrew, M12 x 35mm
	011077	2	. . . Nut, M12, Nyloc
2	*	1	. . Seal kit

<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 brushPage D1,F25
	011069	2	. . Setscrew, M12 x 40mm
	011077	2	. . . Nut, M12, Nyloc
2	*	1	. . Seal kit

Notes:-
* Contact Scarab Parts Department before ordering.



HYDRAULIC MOTOR, 19cc, 30 LPM HIGH PRESSURE WATER PUMP



Shows an indication of the location for the seal kit components

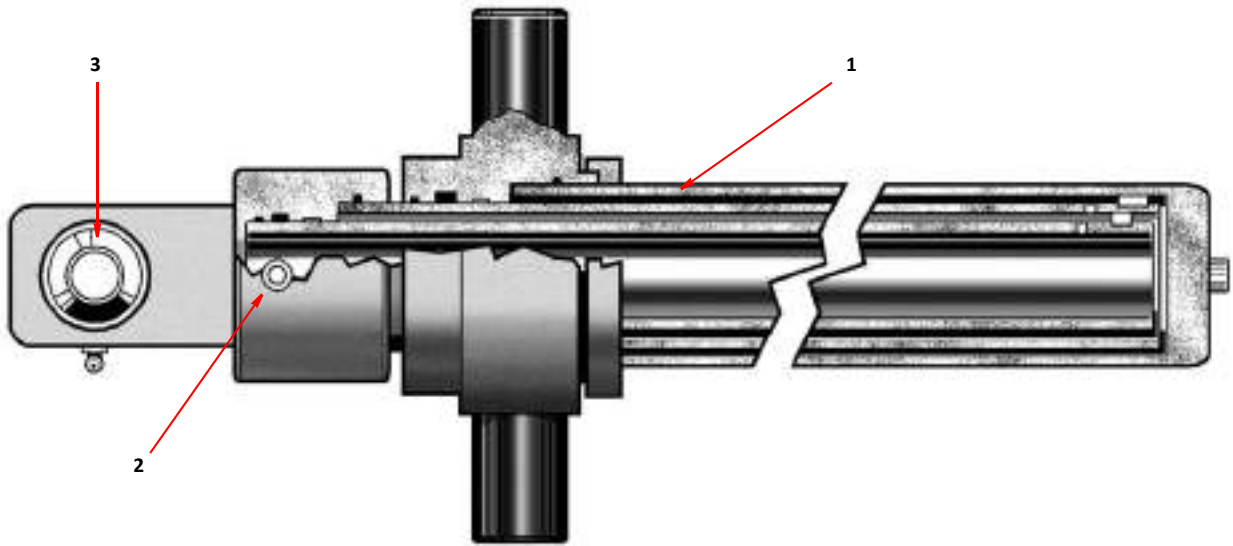
OMP50 shown, OMP100 & OMP200 similar

HYDRAULIC MOTOR - LOW PRESSURE WATER PUMP
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 liftPage C1,F23
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 controlPage C13,F23
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

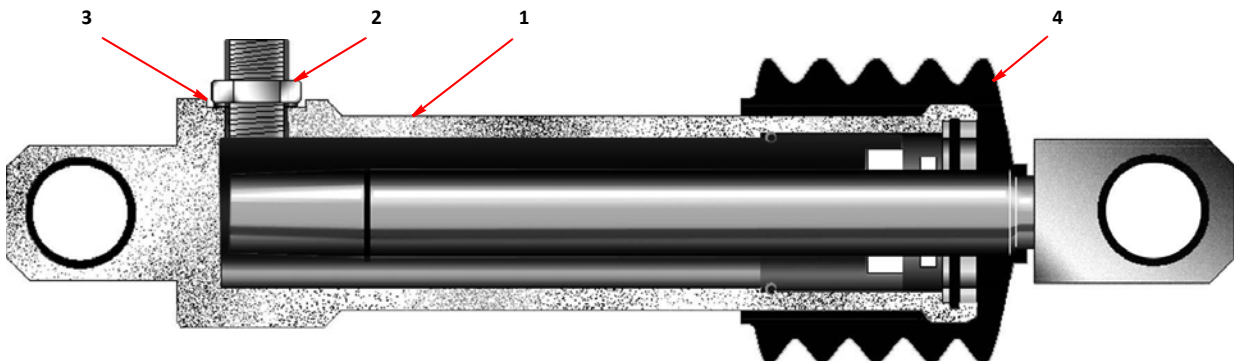
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Side Brush Lift Ram Assembly			
1	024539	1	. Hydraulic ram, side brush liftPage D1,F25
2	012539	1	. . Restrictor, No 5 White, M/M, $\frac{1}{4}$ " BSP x $\frac{1}{4}$ " BSP
3	011152	1	. . . Seal, Dowty, $\frac{1}{4}$ " BSP
NI	002016	1	. . Plug, hex socket head, $\frac{1}{4}$ " BSP
4	011629	1	. . Seat kit, hydraulic ram, side brush lift



HOPPER LIFT RAM ASSEMBLY



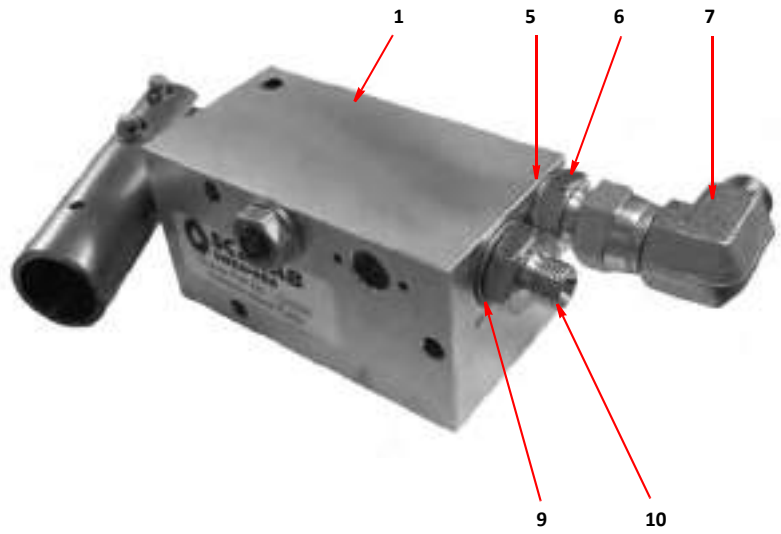
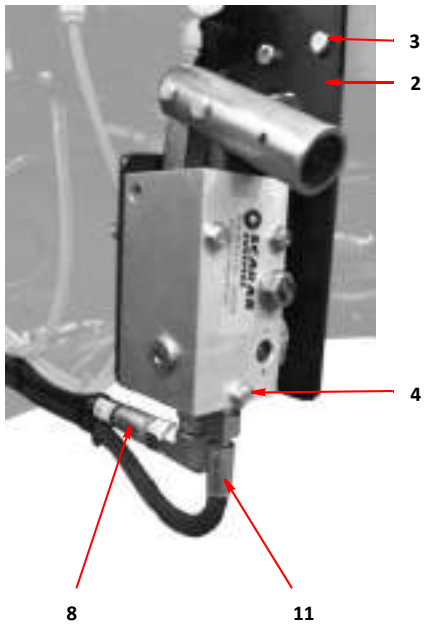
REAR DOOR OPEN/CLOSE RAM ASSEMBLY



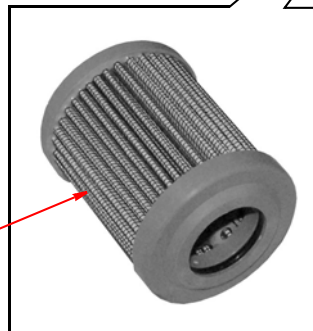
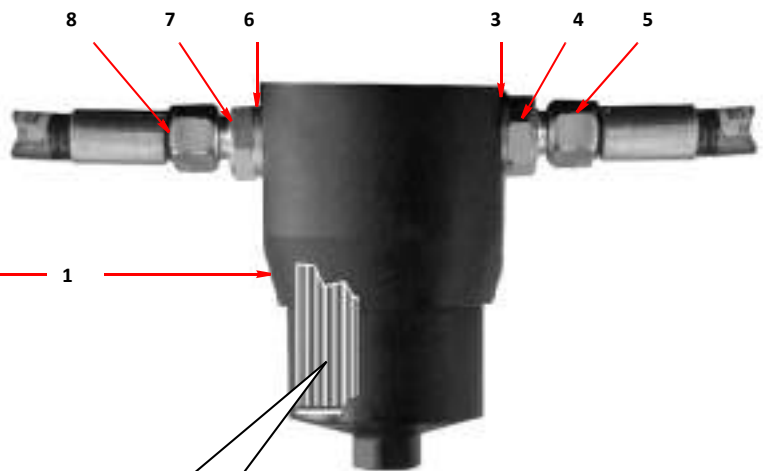
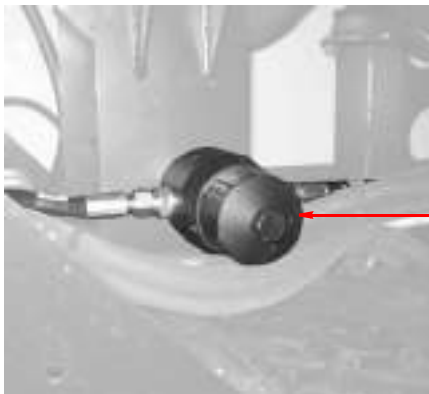
BRUSH RAM ASSEMBLY

Item	Part Number	Quantity	Description
Auxiliary Hand Pump			
1	023006	1	. Hand pump Page F23
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

Item	Part Number	Quantity	Description
Filter High-Pressure			
1	025103	1	. Filter, high-pressure Page B1,F23
2	025104	1	. . Filter element
3	011154	1	. . Seal, Dowty, $\frac{1}{2}$ " BSP
4	011167	1	. . . Adaptor, $\frac{1}{2}$ " BSP x $\frac{3}{8}$ " BSP
5	011307	1	. . . . Hose, $\frac{3}{8}$ " BSP x 1300mm
6	011154	1	. . Seal, Dowty, $\frac{1}{2}$ " BSP
7	011167	1	. . . Adaptor, $\frac{1}{2}$ " BSP x $\frac{3}{8}$ " BSP
8	011310	1	. . . . Hose, $\frac{3}{8}$ " BSP x 300mm

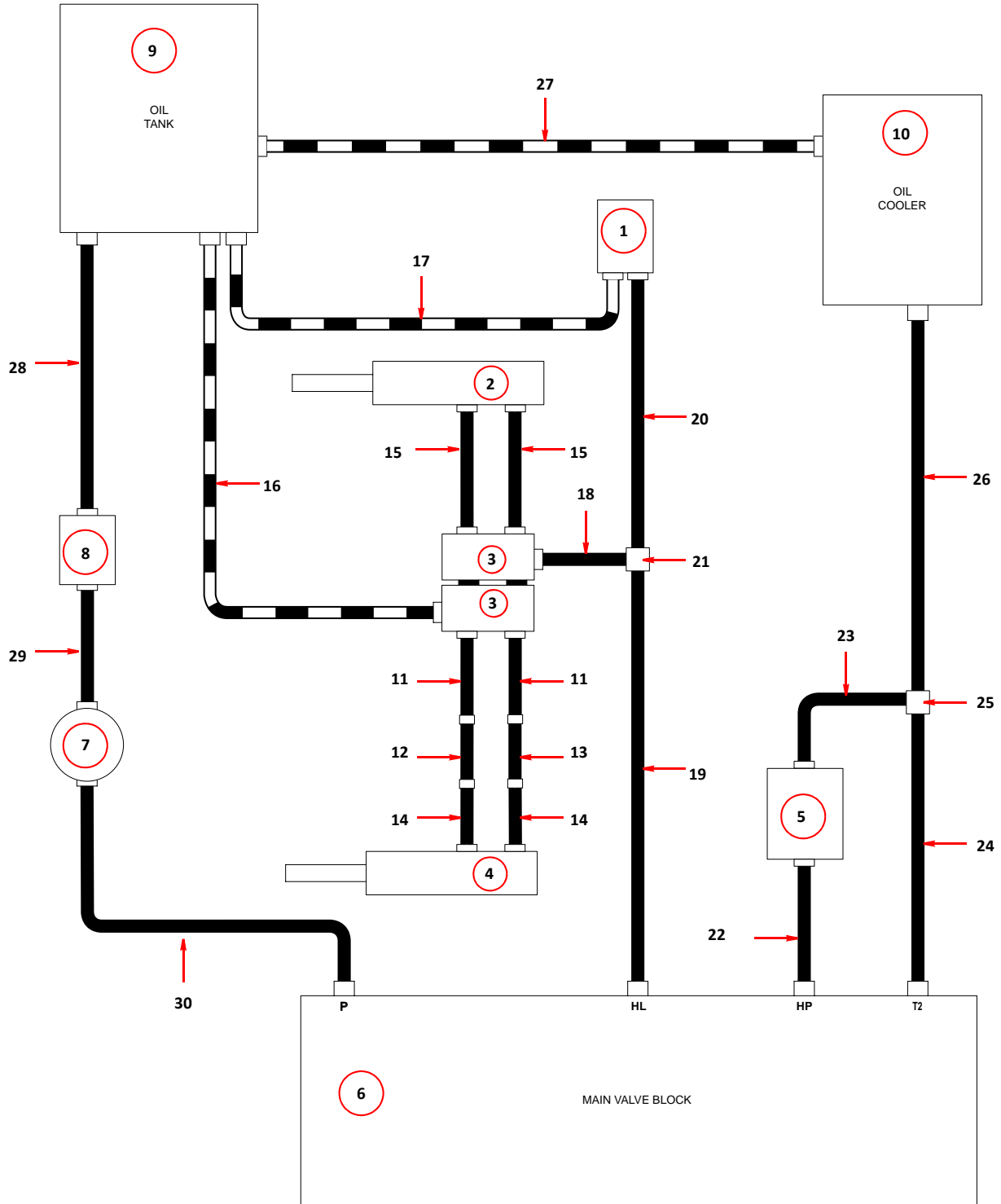


AUXILIARY HAND PUMP



HIGH-PRESSURE FILTER

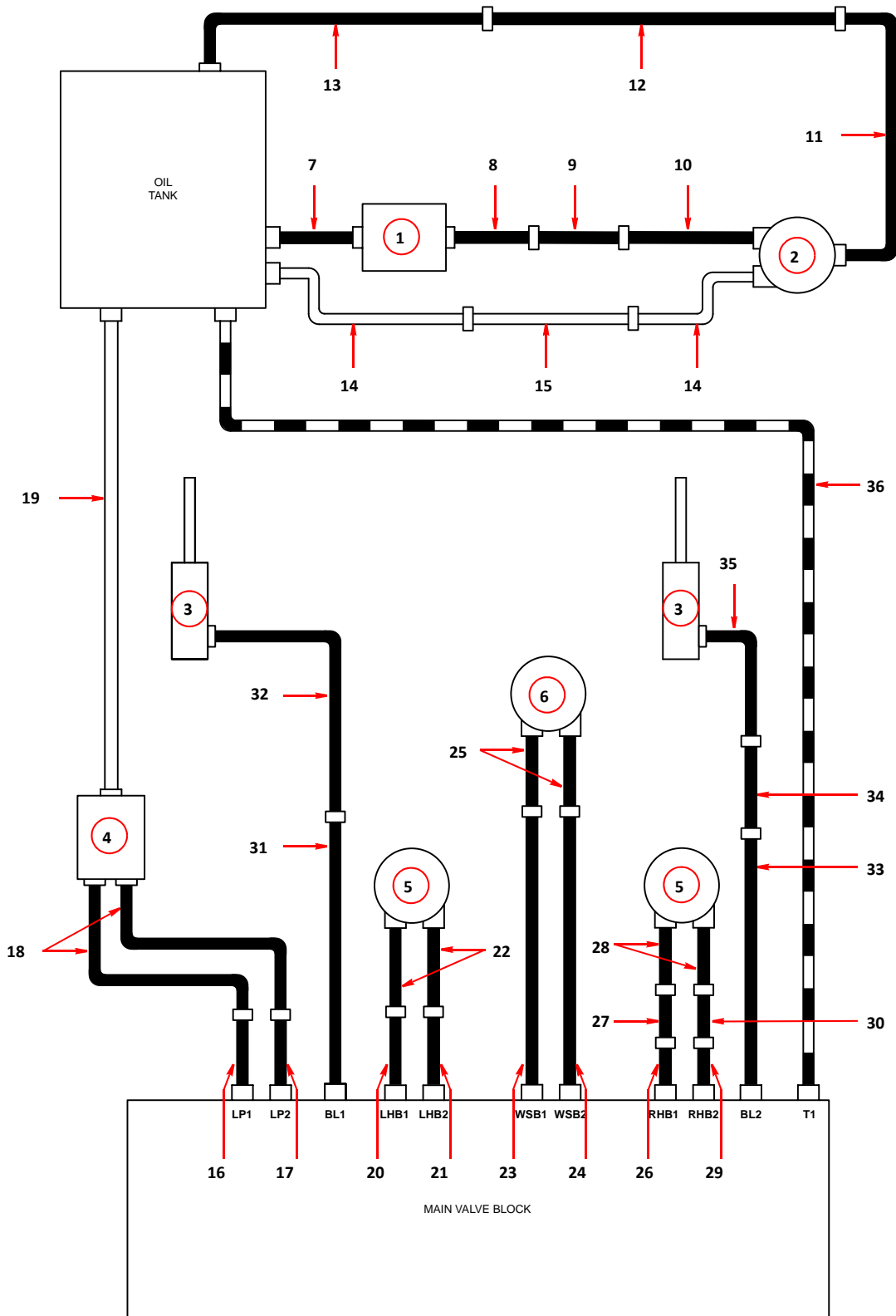
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Hydraulic Circuit - Hopper, Rear Door and HP Pump			
1	023006	1	Hand pump Page F21
2	024249	1	Hopper lift ram assembly Page C1, F19
3			Hopper/rear door valve block or operating levers Page F7,F9,F11
4	034816	1	Rear door open/close ram assembly Page C13,F19
5		1	High-pressure water pump Page E27,E31
6	038219	1	Main valve control block Page F5
7	025103	1	Filter high pressure Page B1,F21
8	034268	1	Hydraulic gear pump, 19.2cc Page F13
9	034415	1	Hydraulic oil tank Page F3
10	033711	1	Radiator oil/water Page F1
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



LEGEND	
	Suction/High Pressure
	Return Pressure

HOPPER, REAR DOOR & HP PUMP, HYDRAULIC CIRCUIT

Item	Part Number	Quantity	Description
Hydraulic Circuit - Brushes, LP Water and Suction Fan			
1	023620	1	Suction fan pump Page F13
2	024641	1	Suction fan motor Page F15
3	024539	2	Hydraulic ram, brush lift Page D1,F19
4		1	LP water pump Page E9,E13
5	010749	2	Motor hydraulic, LH/RH side brush Page D1,F17
6	010566	1	Motor hydraulic, wide sweep brush Page D5,F17
7	014827	AR	. Hose, rubber, $\frac{1}{2}$ " Bore (red line)
8	001244	1	. Hose, rubber, $\frac{3}{4}$ " BSP x 4800mm (fan feed)
9	034899	1	. Pipe, steel, 18mm (fan feed)
10	001245	1	. Hose rubber, $\frac{3}{4}$ " BSP x 1500mm (fan feed)
11	001245	2	. Hose rubber, $\frac{3}{4}$ " BSP x 1500mm (fan return)
12	034899	1	. Pipe, steel, 18mm (fan return)
13	001038	1	. Hose, rubber, $\frac{3}{4}$ " BSP x 3600mm (fan return)
14	010958	AR	. Hose, rubber, $\frac{3}{8}$ " Bore (fan drain)
15	034893		. Pipe, steel, 12mm (fan drain)
16	034881	1	. Pipe, steel, 12mm (LP pump feed)
17	034880	1	. Pipe, steel, 12mm (LP pump return)
18	001042	2	. Hose, rubber, $\frac{3}{8}$ " BSP x 680mm (LP pump feed/return)
19	010958	AR	. Hose, rubber, $\frac{3}{8}$ " bore (LP pump case drain)
20	034886	1	. Pipe, steel, 12mm (LH side brush feed)
21	034887	1	. Pipe, steel, 12mm (LH side brush return)
22	001167	2	. Hose, rubber, $\frac{3}{8}$ " BSP x 1200mm (LH side brush feed/return)
23	034889	1	. Pipe, steel, 12mm (wide sweep feed)
24	034888	1	. Pipe, steel, 12mm (wide sweep return)
25	001022	2	. Hose, rubber, $\frac{3}{8}$ " BSP x 770mm (wide sweep feed/return)
26	034882	1	. Pipe, steel, 12mm (RH side brush feed)
27	034883	1	. Pipe, steel, 12mm (RH side brush feed)
28	001167	2	. Hose, rubber, $\frac{3}{8}$ " BSP x 1200mm (RH side brush feed/return)
29	034884	1	. Pipe, steel, 12mm (RH side brush return)
30	034885	1	. Pipe, steel, 12mm (RH side brush return)
31	034890	1	. Pipe, steel, 6mm (LH side brush lift)
32	001160	1	. Hose, rubber, $\frac{1}{4}$ " BSP x 950mm (LH side brush lift)
33	034891	1	. Pipe, steel, 6mm (RH side brush lift)
34	034892	1	. Pipe, steel, 6mm (RH side brush lift)
35	001160	1	. Hose, Rubber, $\frac{1}{4}$ " BSP x 950mm (RH side brush lift)
36	011000	AR	. Hose, rubber, $\frac{5}{8}$ " bore (valve block return)



LEGEND	
	Suction/High Pressure
	Return Pressure
	Case Drain

**BRUSHES, LP WATER & SUCTION FAN
HYDRAULIC CIRCUIT**

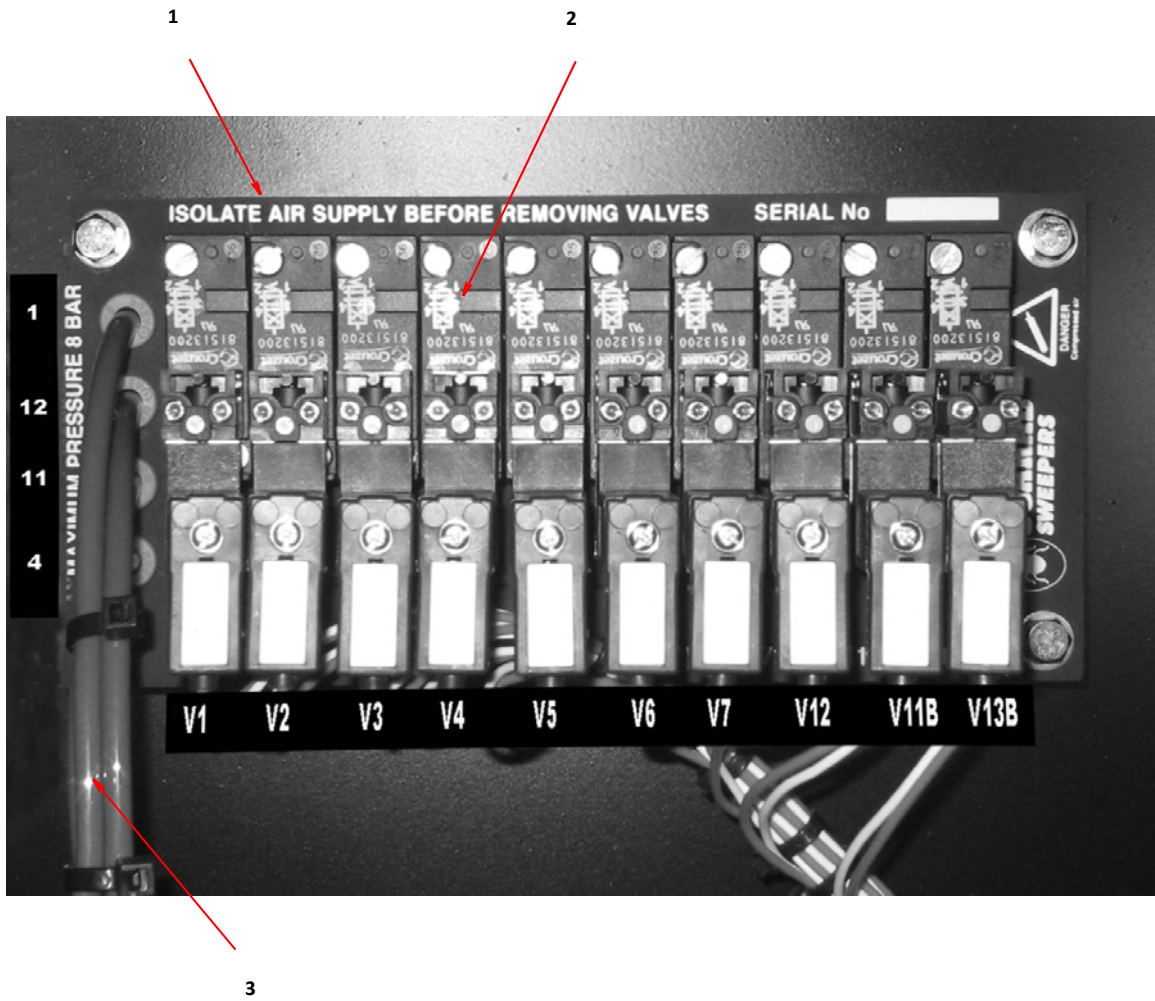
<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
		Clamps for Steel Piping
027980		Clamp block, single, 6mm
027981		Clamp block, single, 12mm
027982		Clamp block, single, 25mm
027983		Clamp block, double, 6mm x 6mm
027984		Clamp block, double, 12mm x 12mm
027985		Clamp block, double, 6mm x 12mm
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

PNEUMATIC SYSTEM SECTION G

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Pneumatic Cylinder, Side Brush Pressure - Assembly	9
Pneumatic Cylinder, Auto Blanking - Assembly	9

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
			Pneumatic Control Valves
1	034178	1	. Pneumatic valve block Page H3
2	035673	AR	. . Valve and solenoid (Standard)
3	024650	AR	. . Airline, green, ø6mm



PNEUMATIC CONTROL VALVES

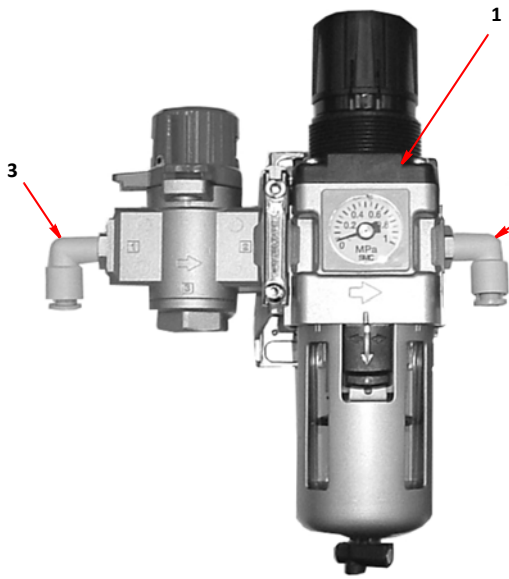
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Pneumatic Filter, Regulator, Lubricator Arrangement			
1	032519	1	Pneumatic filter/regulator without lubricator, assembly
2	039753	1	Pneumatic filter/regulator with lubricator, assembly
3	023203	2	. Elbow, push-in, 6mm x $\frac{1}{4}$ " 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

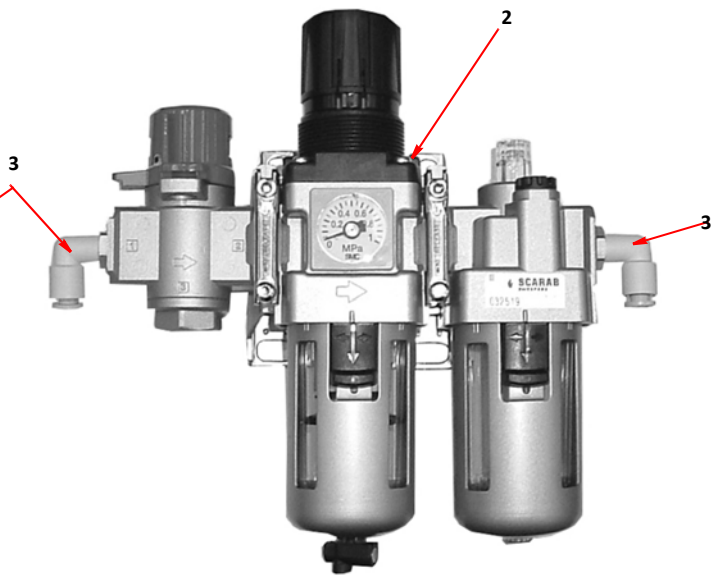
Notes:-

* 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.

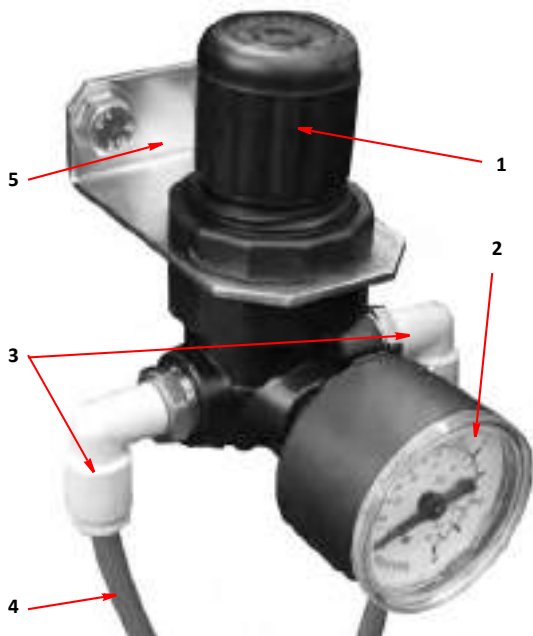
** These components are common to both the wide sweep pressure and the side brush pressure, regulators.



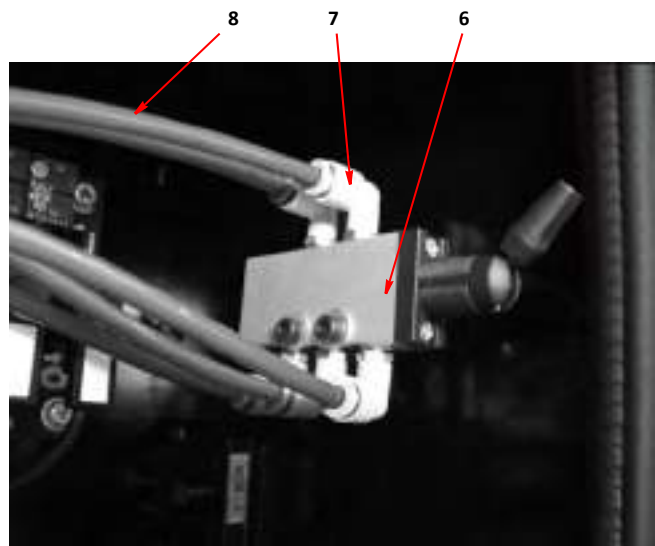
PNEUMATIC FILTER/REGULATOR



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 D5
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

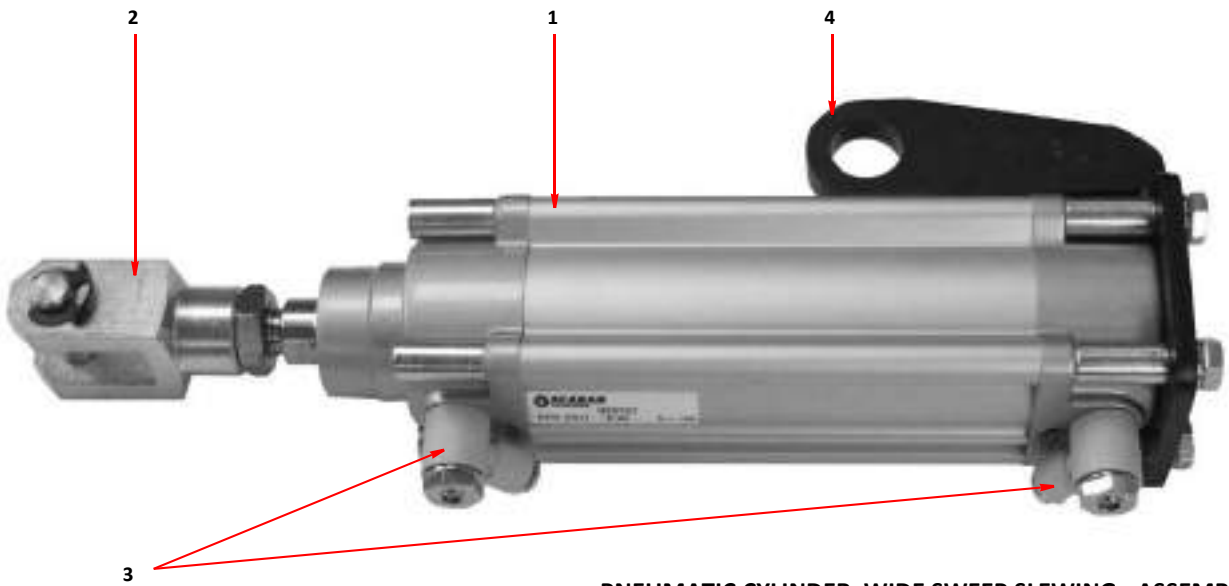
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Pneumatic Cylinder, Wide Sweep Slewing - Assembly			
1	020767	1	. Pneumatic cylinder, 40 x 125 Page D7
2	036621	1	. . Clevis, includes pin and retaining clips
3	021158	2	. . Flow regulator
4	036620	1	. . Pivot Bracket
	011010	4	. . . Setscrew, M8 x 20mm
	011093	4	. . . Spring washer, M8

Notes:-

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



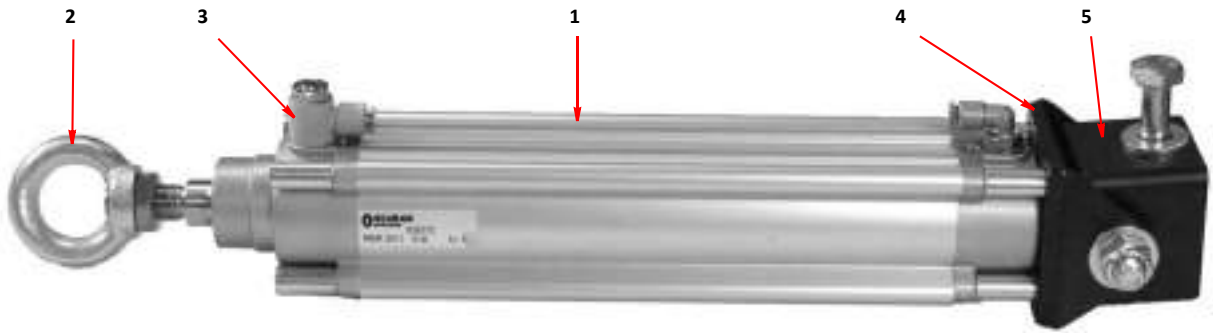
PNEUMATIC CYLINDER, WIDE SWEEP RAISE/LOWER - ASSEMBLY



PNEUMATIC CYLINDER, WIDE SWEEP SLEWING - ASSEMBLY

<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 D11
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

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
	032119		Pneumatic Cylinder, Suction Nozzle Tilt - Assembly
1	023608	1	. Pneumatic cylinder, 40 x 160 Page D9
2	020299	1	. . Clevis
3	022673	1	. . . Clevis retaining pin
4	022674	1	. . . Clevis retaining pin clip
5	023827	1	. . Pivot bracket
	011010	4	. . . Bolt, M8 x 20mm
	011093	4	. . . Spring washer, M8



PNEUMATIC CYLINDER, SUCTION NOZZLE RAISE/LOWER - ASSEMBLY



PNEUMATIC CYLINDER, SUCTION NOZZLE TILT - ASSEMBLY

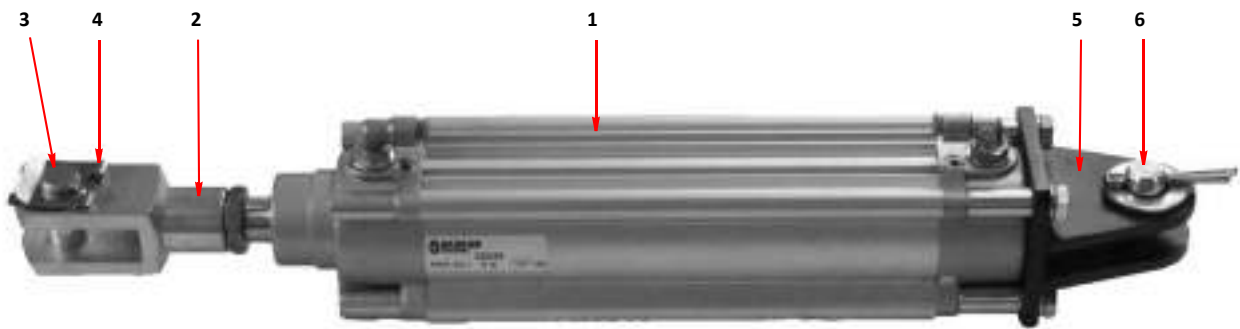
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
	022587		Pneumatic Cylinder, Side Brush Swing In/Out - Assembly
1	020298	1	. Pneumatic cylinder, 50 x 160 Page D3
2	020299	1	. . Clevis
3	022673	1	. . . Clevis retaining pin
4	022674	1	. . . Clevis retaining pin clip
5	020534	1	. . Bracket, 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 D3
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

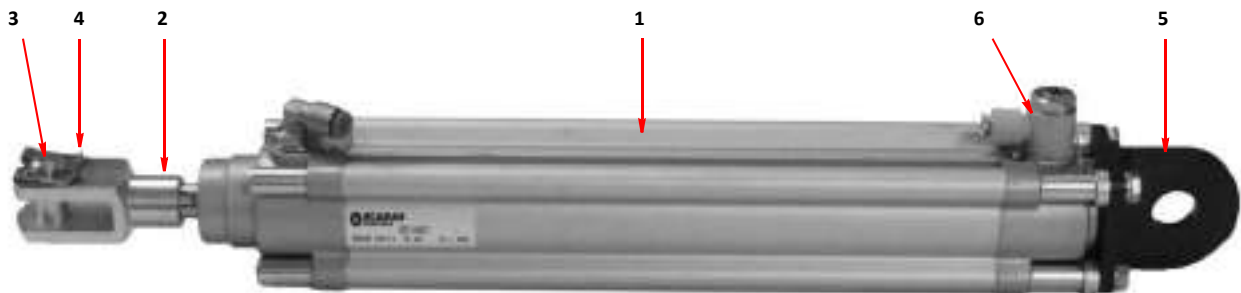
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
	026319		Pneumatic Cylinder, Auto Blanking - Assembly
1	021467	1	. Pneumatic cylinder, 40 x 200 Page C9
2	014469	1	. . Clevis
3	023270	1	. . . Clevis retaining pin
4	023269	1	. . . Clevis retaining pin clip
5	014457	1	. . Pivot bracket
	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 SYSTEM SECTION H

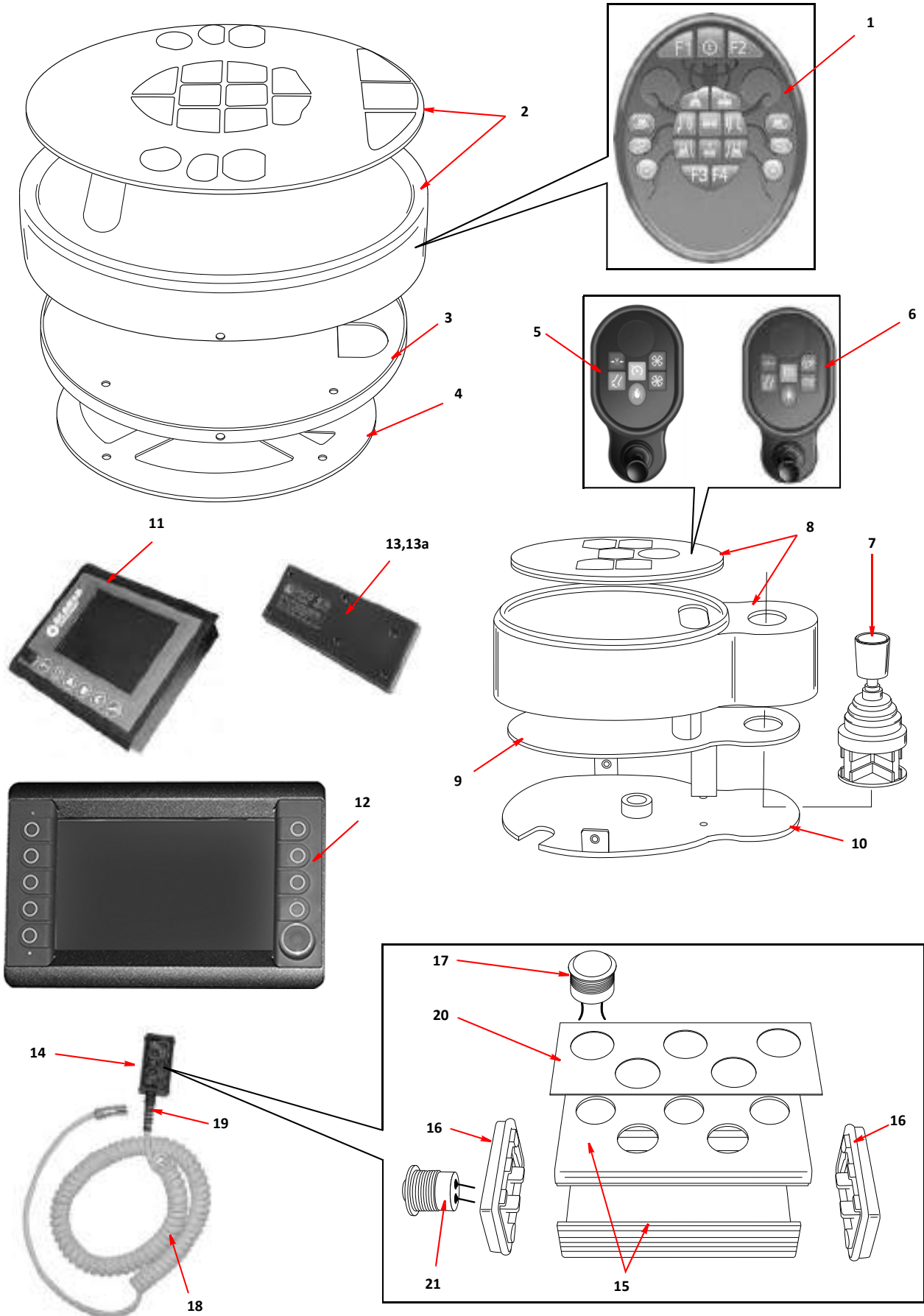
TABLE OF CONTENTS

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Battery Junction Box	3
Electrical - Wiring Looms, Connectors	5
Electrical - Switches and Sensors	5
Electrical - Fuses	5
Electrical - Relays	5
Electrical - Lamps and LEDs	6
Electrical - Beacons	6
Electrical - Spare Bulbs	6
Electrical - Other Components	6

<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Electrical Components - Cab			
1		1	Main control panel Page A1,A3
2	038640*	1	. Main control panel, keypad and enclosure assembly
3	037053	1	. Enclosure back, main control panel
4	037055	1	. . Fixing plate, main control panel
	000304	8	. . . Screw, socket button-head, M4 x 10mm
	000134	8	. . . Nut, M4, Nyloc
5		1	Auxiliary controller Page A1
6		1	Auxiliary controller, new fan symbols Page A3
7	036873	1	. Switch, multifunction
8	038103*	1	. Auxiliary controller, keypad and enclosure assembly
8	037608*	1	. Auxiliary controller, keypad and enclosure assembly, new fan symbols
9	037057	1	. . Support plate
10	037056	1	. . Back plate, LH mounting (shown)
10	037057	1	. . Back plate, RH mounting
11	037046	1	Display screen Page A1
12	038553	1	Display screen Page A3
13	036799**	3	Node, cabinet module (CR2012) Page A1,A3
13a	038985**	3	Node, E9G212, cabinet module (CR2012) Page A1,A3
14	037074	1	Hopper controller (complete) Page A1,A3
15	037065	1	. Hopper controller, body
16	037066	2	. . Hopper controller, end cap, drilled, (with seal and screws)
	000413	4	. . . Screw, Pozidriv, pan head, No.4 x $\frac{3}{4}$
17	037068	5	. . . Switch, push button Page H5
18	037069	1	. . Hopper controller cable, complete with connector
19	037070	1	. . . Gland, cable strain relief
NI	037071	1	. . . . Nut, cable strain relief gland
20	037072	1	. . Hopper controller, controls label
21	038223	1	. . . Switch, push button (Green) Page H5
NI	038224	1	. . . Switch protection bezel

Notes:-

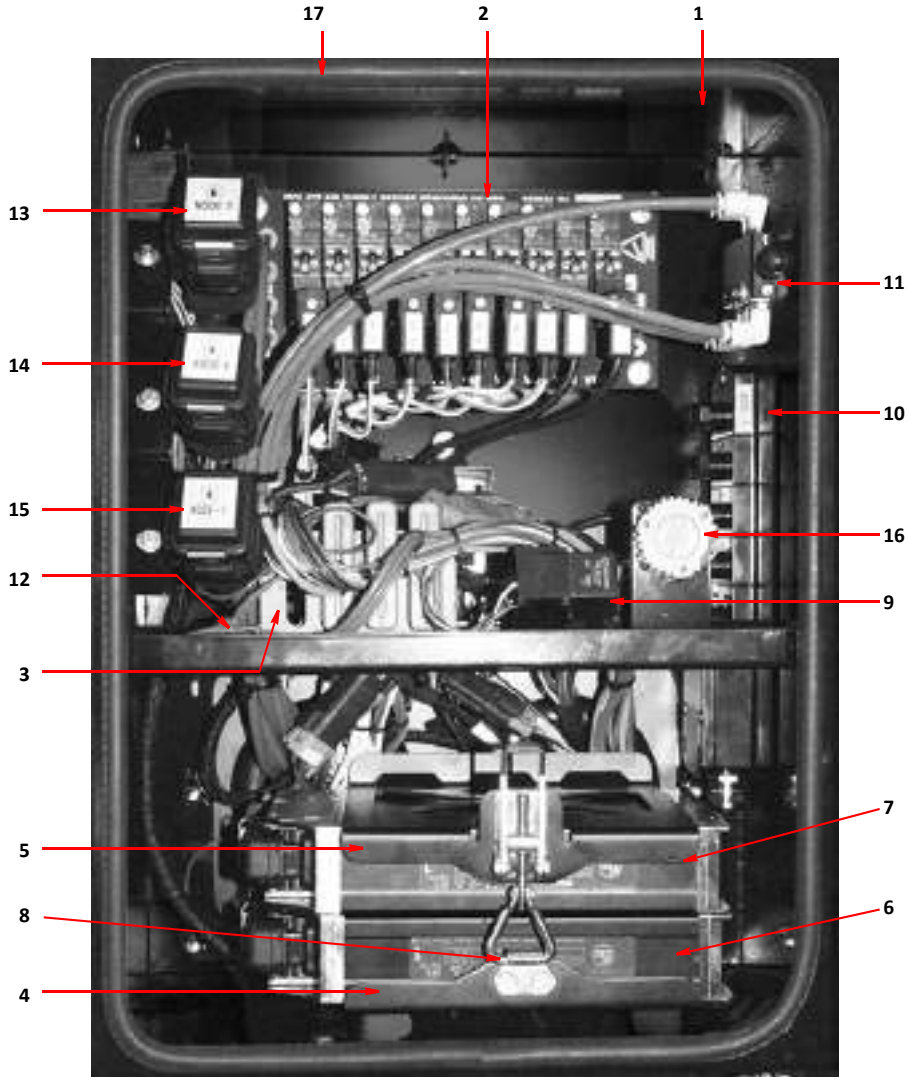
- * These are factory bonded as a single item.
- ** Please contact the Scarab Parts Department regarding these nodes.



ELECTRICAL COMPONENTS - CAB

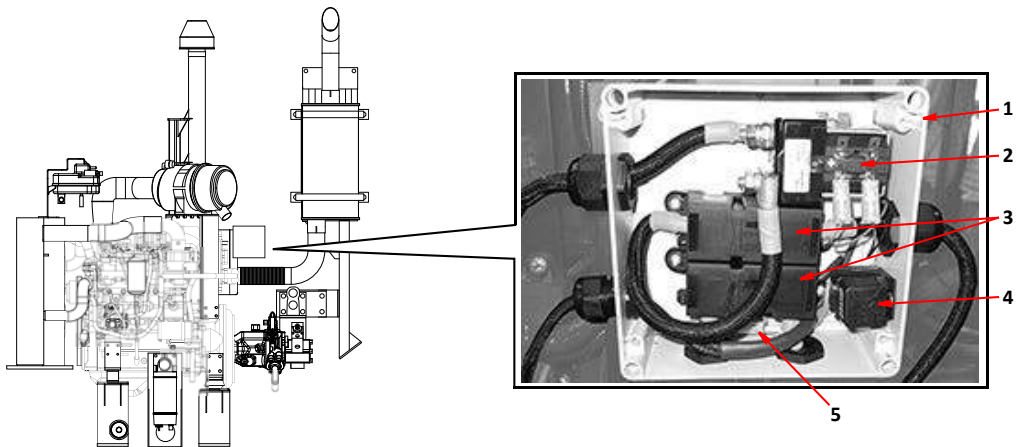
<i>Item</i>	<i>Part Number</i>	<i>Quantity</i>	<i>Description</i>
Node and Pneumatic Enclosure Assembly			
1	038209	1	. Enclosure, Node and pneumatic Page C1
NI	034327	1	. . Door, Node and pneumatic enclosure
NI	033634	1	. . . Catch, sealed, door
	011011	2	. . . Setscrew, M8 x 25mm
	011092	4	. . . Washer, M8
	011073	2	. . . Nut, M8, Nyloc
2	034178	1	. . Pneumatic control valves Page G1
3	038212	1	. . Earth strip frame, (splice saver)
4	038210	1	. . Node carrier, lower
5	038211	1	. . Node carrier, upper
6	036798	1	. . Node 3, mobile controller, CR0505
7	036797	1	. . Node 4, mobile controller, CR0020
8	010509	1	. . . Latch, toggle clip, node carrier
8	021841	1	. . . Hook, toggle clip, node carrier
9	014718	1	. . Relay, cross-over Page H5
10	038214	1	. . Node 7, compact module, CR2031
11	038328	1	. . Side brush pressure toggle switch (Option) Page G3
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	038802	1	. Mount, junction box Page B1
1	037308	1	. . Enclosure, battery junction box Page B1
2	034207	1	. . . Relay, air heat Page H5
3	004506	2	. . . Fuse holder, Mega
NI	004422	2	. . . . Fuse 125 Amp Page H5
4	014718	1	. . . Relay, cross over, 24V Page H5
5	014291	1	. . . Fuse 25 Amp blade Page H5



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 A1,A3
036913	Auxiliary controller loom Page A1,A3
036914	Main control panel, power, loom Page A1,A3
036915	Auxiliary controller, power, loom Page A1,A3
036916	Screen loom Page A1,A3
037047	Loom, Hopper controller Page A1,A3
037307	Node 3 Cummins loom
038013	Cab loom Page A1,A3
038116	Node 4 loom
038228	Node 7 loom
038330	Hydraulic loom
039705	Cable, M12 plug with Deutsch DT 2 way x 3m Page F7
040126	Electric water pump loom
040353	Loom, power supply, rear camera Page A3, C17
040355	Loom, rear camera Page A3, C17

<i>Part Number</i>	<i>Description</i>
	Electrical - Switches and Sensors
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036871	Float switch and amp (water level) Page E1
037068	Switch, push button Page H1
037226	Sensor, fluid level, radiator expansion tank Page F1
038223	Switch, push button (Green) Page H1

<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
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014291	Fuse 25 Amp blade
014292	Fuse 30 Amp blade
004422	Fuse 125 Amp Mega Page H3

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	Electrical - Relays
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034207	Relay, contactor 24V Page H3

<i>Part Number</i>	<i>Description</i>
Electrical - Lamps and LEDs	
037084	Work lamp, halogen, 24v x 70Watt Page D13
030773	Marker lamp LED 'Red' (hopper mounted) Page C13
038769	LED work lamp Page D13

<i>Part Number</i>	<i>Description</i>
Electrical - Beacons	
014064	Beacon, 24V (Standard) Page C13
011497	. Bulb, halogen, 24V x 70 Watt (H1) (Beacon)

<i>Part Number</i>	<i>Description</i>
Electrical - Spare Bulbs	
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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)

<i>Part Number</i>	<i>Description</i>
Electrical - Other Components	
037048	Sounder (for keypad) Page A1,A3
037666	Sounder, hopper and door operation
040046	Pump, electric, low pressure water Page E7
040354	Camera Page C17
041534	Camera splitter unit Page A3
040597	USB memory stick, 2GB

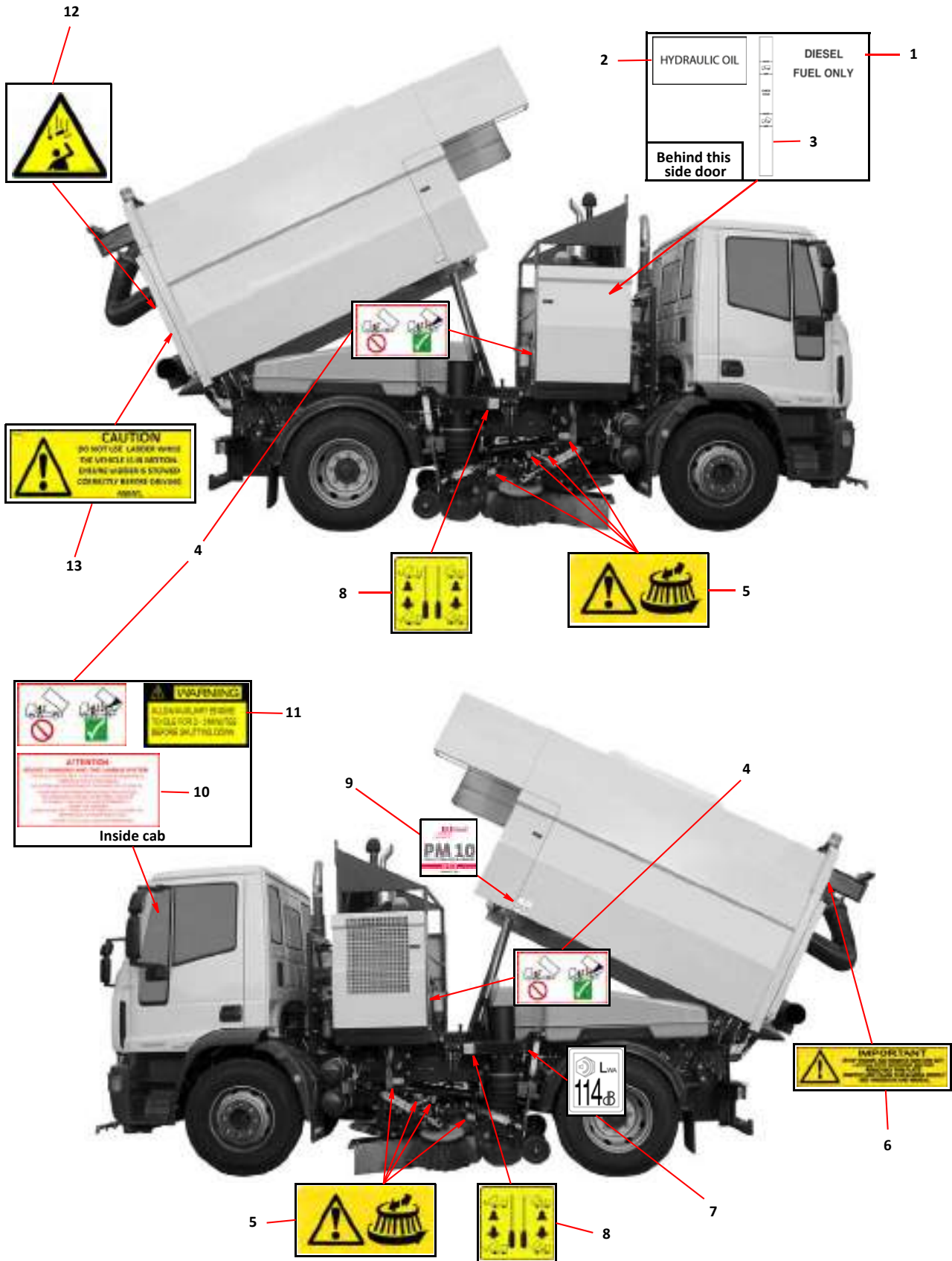
LABELS AND DECALS

SECTION J

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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 C17
13	039866	1	Warning, Ladder stowage, on rear door Page C17



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



An example application but actual application will depend upon livery requirements

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