



Parts Manual

Compressor Models

VHP750WCU
Code: D

HP915WCU, XP1000WCU
Code: A

MHP825WCU
Code: B



P.O. Box 868 - 501 Sanford Ave
Mocksville, N.C. 27028

Book 22560866 (3/05)
Revised (09-12)

Doosan purchased Bobcat Company from Ingersoll-Rand Company in 2007. Any reference to Ingersoll-Rand Company or use of trademarks, service marks, logos, or other proprietary identifying marks belonging to Ingersoll-Rand Company in this manual is historical or nominative in nature, and is not meant to suggest a current affiliation between Ingersoll-Rand Company and Doosan Company or the products of either.

QUALITY POLICY

We will supply products and services that consistently meet the requirements of our customers and each other.

**CALIFORNIA
Proposition 65 Warning**

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Steerable Running Gear 10
Steerable Running Gear (Front Axle) 11
Steerable Running Gear (Front Axle) 12
Steerable Running Gear (Rear Axle) 13
Steerable Running Gear (Rear Axle) 14
Steerable Running Gear (Rear Axle) 15
Steerable Running Gear (Parking Brake) 16
Steerable Running Gear (Parking Brake) 17
Steerable Running Gear (Parking Brake) 18
High Speed Running Gear (Hydraulic Brake) 19
High Speed Running Gear (Hydraulic Brake) 20
High Speed Running Gear (Hydraulic Brake) 21
High Speed Running Gear (Hydraulic Brake) 22
High Speed Running Gear (Electric Brake) 23
High Speed Running Gear (Electric Brake) 24
High Speed Running Gear (Electric Brake) 25
High Speed Running Gear (Electric Brake) 26
High Speed Running Gear (Parking Brake) 27
High Speed Running Gear (Parking Brake) 28
High Speed Running Gear 29
High Speed Running Gear 30
High Speed Running Gear 31
High Speed Running Gear 32
Engine Assembly - Cummins QSL 9 33
Engine Assembly - Cummins QSL 9 34
Fan Drive, Cummins 35
Airend Assembly 36
Airend Assembly 37
Airend Assembly 38
Airend Assembly 39
Airend Assembly 40
Airend Assembly 41
Airend Assembly 42
Airend Assembly 43
Airend Assembly 44
Airend Assembly 45
Airend Assembly 46
Airend Assembly 47
Airend Pipework 48
Airend Pipework 49
Airend Pipework 50
Airend Pipework 51
Enclosure 52
Enclosure 53
Enclosure 54
Enclosure 55
Enclosure 56
Foam 57
Foam 58

Foam 59
Foam 60
Foam - High Ambient 61
Air Intake System 62
Air Intake System 63
Air Intake System 64
Engine Exhaust System 65
High Ambient Muffler 66
Fuel System 67
Fuel System 68
Cooling System 69
Cooling System 70
Oil/Air Piping 71
Oil/Air Piping 72
Oil/Air Piping 73
Oil/Air Piping 74
Oil/Air Piping 75
Oil/Air Piping 76
Oil/Air Piping 77
Regulation System 78
Regulation System 79
Regulation System 80
Regulation System 81
Regulation System 82
Regulation System 83
Regulation System 84
Regulation System 85
Regulation System 86
Regulation System 87
Regulation System 88
Regulation System 89
Regulation System 90
Regulation System 91
Instrumentation/Electrical System 92
Instrumentation/Electrical System 93
Instrumentation/Electrical System 94
Instrumentation/Electrical System 95
Option - Pressure Reducer 96
Option - IQ LP 97
Option - IQ 98
Option - IQ 99
Option - Oil/Air Piping (Aftercooler) 100
Option - Oil/Air Piping (Aftercooler) 101
Option - IQ Dual Filter 102
Option - IQ Dual Filter 103
Option - IQ Dual Filter 104
Option - Oil/Air Piping (Aftercooler) 105
Option - Oil/Air Piping (Aftercooler) 106
Option - Oil/Air Piping (Aftercooler) 107

Option - Flashing Light (Low Fuel Shutdown) 108
Option - Spark Arrestor 109
Option - Overspeed Valve 110
Option - Worklights 111
Option - Service Lights 112
Option - Dual Pressure 113
Option - Dual Pressure 114
Recommended Parts 115
Glossary of Non-Illustrated Items 116
Fasteners Index 117
Fasteners Index 118
Tube Fitting Index 119
Tube Fitting Index 120

Parts Ordering



GENERAL

This publication, which contains an illustrated parts breakdown, has been prepared as an aid in locating those parts which may be required in the maintenance of the unit. Always insist on genuine Ingersoll-Rand Company parts for your machine.

NOTICE

INGERSOLL-RAND Company can bear no responsibility for injury or damages resulting directly from the use of non-approved repair parts.

Ingersoll-Rand Company service facilities and parts are available worldwide. Consult local yellow pages or visit:
www.portablepower.irco.com.

Special order parts may not be included in this manual. Contact the Mocksville Parts Department with the unit serial number for assistance with these special parts.

Description

The illustrated parts breakdown illustrates and lists the various assemblies, subassemblies and detailed parts which make up this particular machine. This covers the standard models and the more popular options that are available.

Fasteners

Both SAE/inch and ISO/metric hardware have been used in the design and assembly of these units. In the disassembly and reassembly of parts, extreme care must be taken to avoid damaging threads by the use of wrong fasteners.

How to Order

Always specify the model and serial number of the unit.

Specify the part number and description.

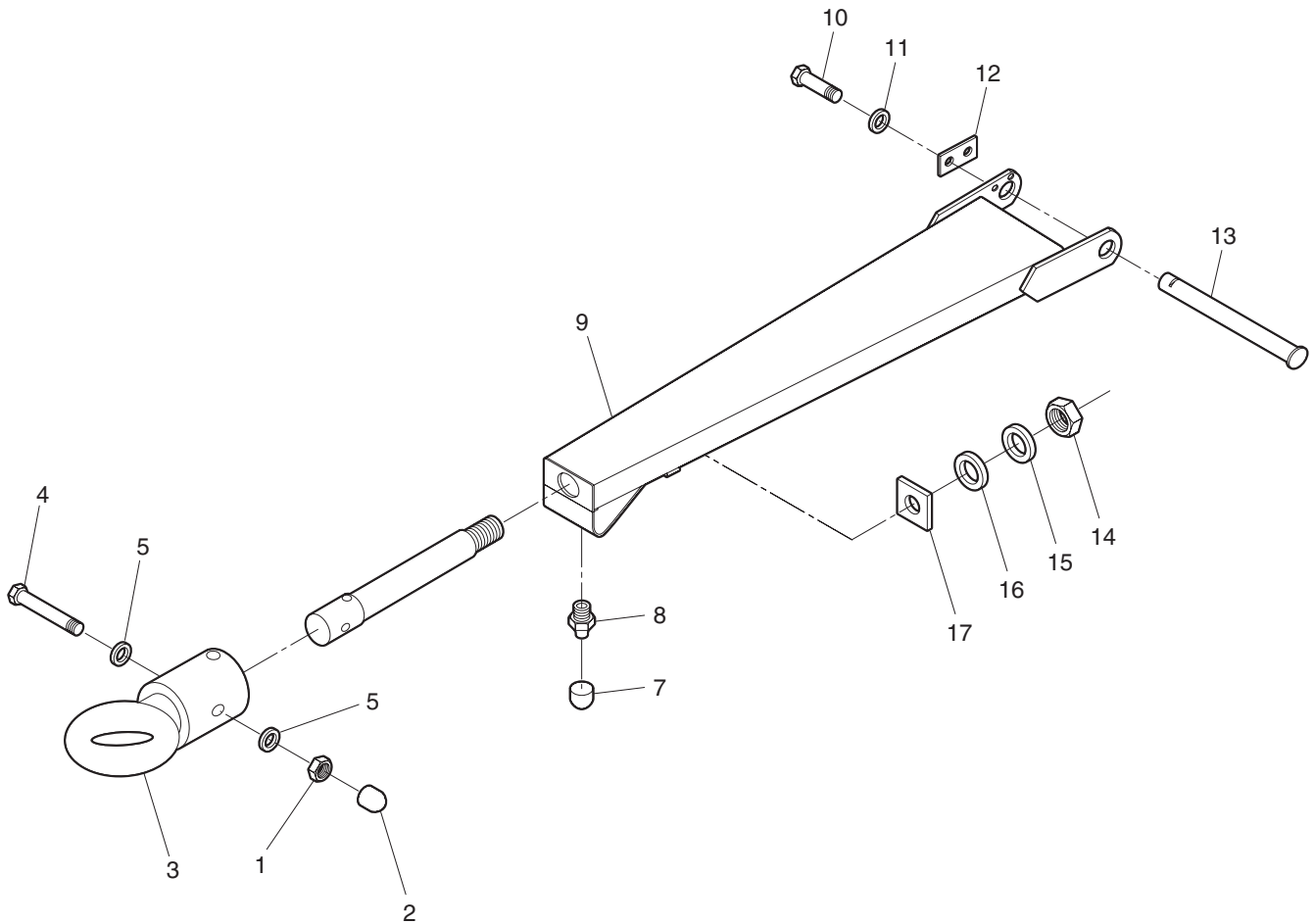
Abbreviations used:

1. N.B = If needed.
2. M = Please indicate length when ordering.

Parts List



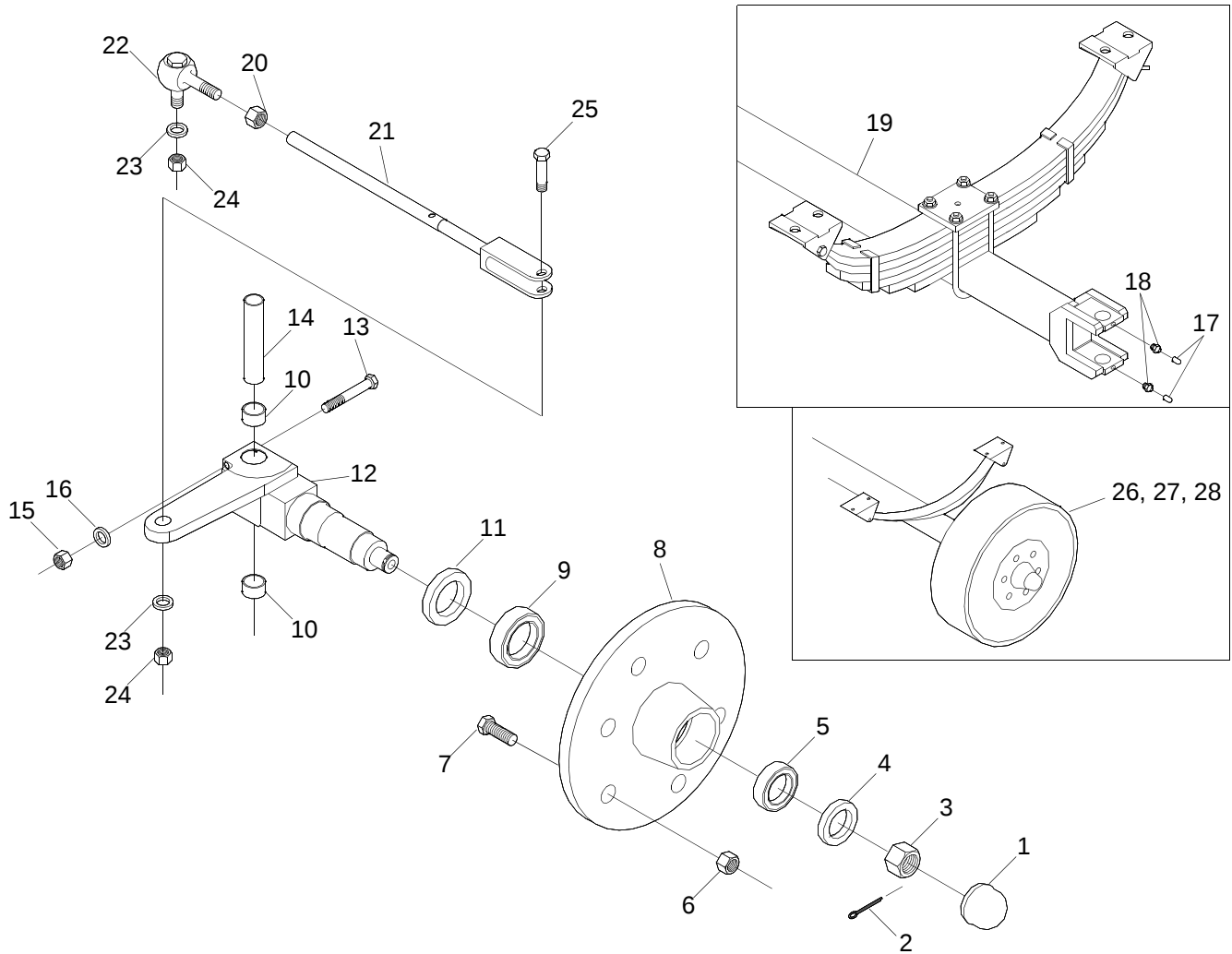
Steerable Running Gear



22560866_008_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-17	22407753	Drawbar Assembly	1	
1	22391833	Locknut	2	
2	22391841	Cap	2	
3	22391809	Eye, Pintle	1	
4	22391817	Screw	2	
5	22391825	Washer	4	
6	22407761	Shaft, Tow Bar	1	
7	22391858	Cap, Grease Fitting	2	
8	22391767	Fitting, Grease	2	
9	22391759	Drawbar	1	
10	22391890	Screw	2	
11	22391882	Washer	2	
12	22391874	Plate	1	
13	22391866	Pin	1	
14	22391791	Locknut	1	
15	22391783	Washer	1	
16	22407779	Washer	1	
17	22407787	Plate, Rotation Stop	1	

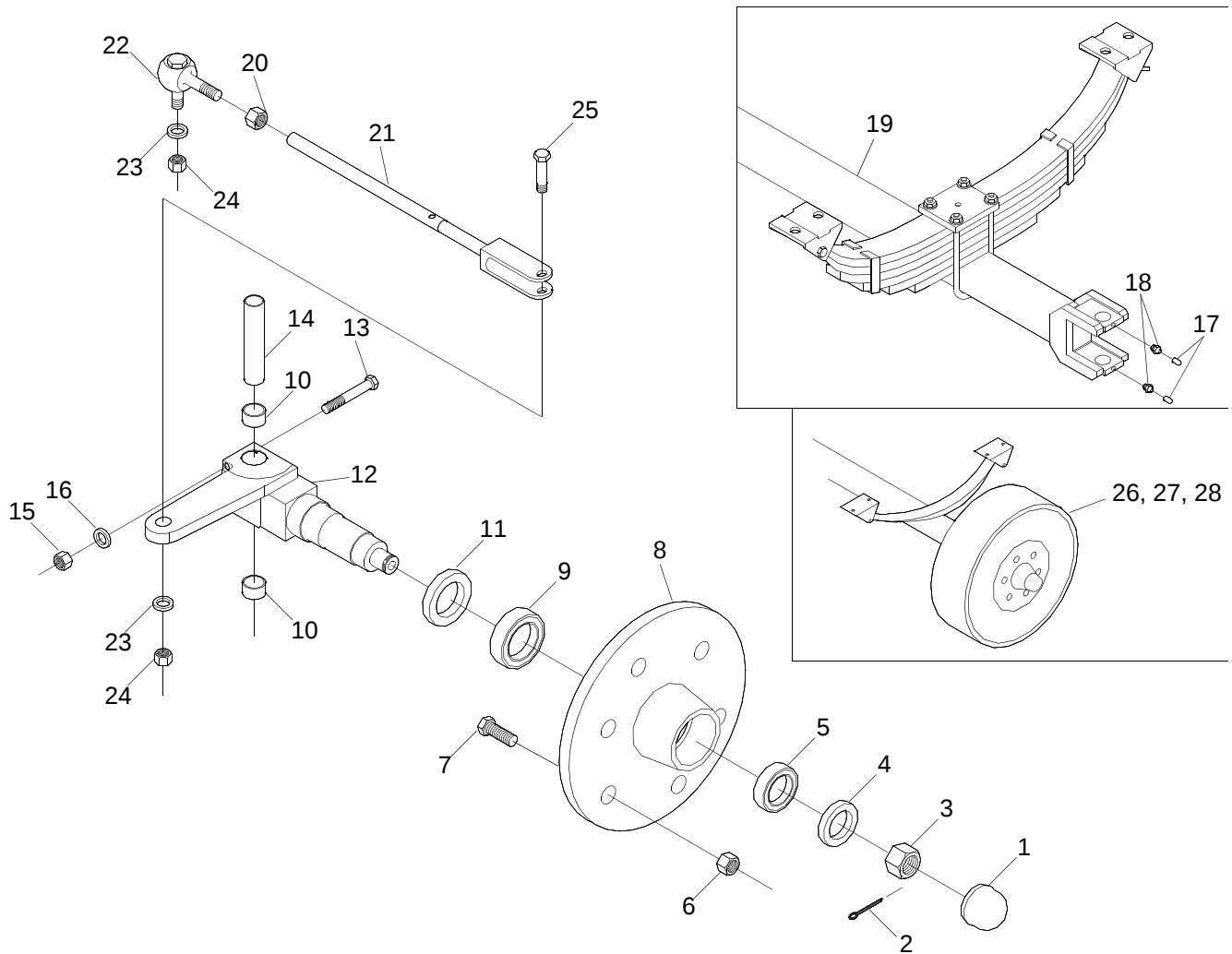
Steerable Running Gear (Front Axle)



22560866_009_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-19	22513816	Front Axle Assembly , Round Beam	1	
1	22392153	Cover, Hub	2	
2	22392237	Pin, Cotter	2	
3	22392146	Nut	2	
4	22392229	Washer, Hub	2	
5	22392138	Bearing, Outer	2	
6	22392211	Nut, Wheel	10	
7	22392203	Stud, Wheel	10	
8	22392120	Front Hub Assembly	2	
9	22392161	Bearing, Inner	2	
10	22392286	Bushing	4	
11	22392179	Seal	2	
12	22392187	Left, Front Axle Stub	1	
	22392195	Right, Front Axle Stub	1	
13	22392252	Screw	2	
14	22392278	Pin, King	2	Continued.....

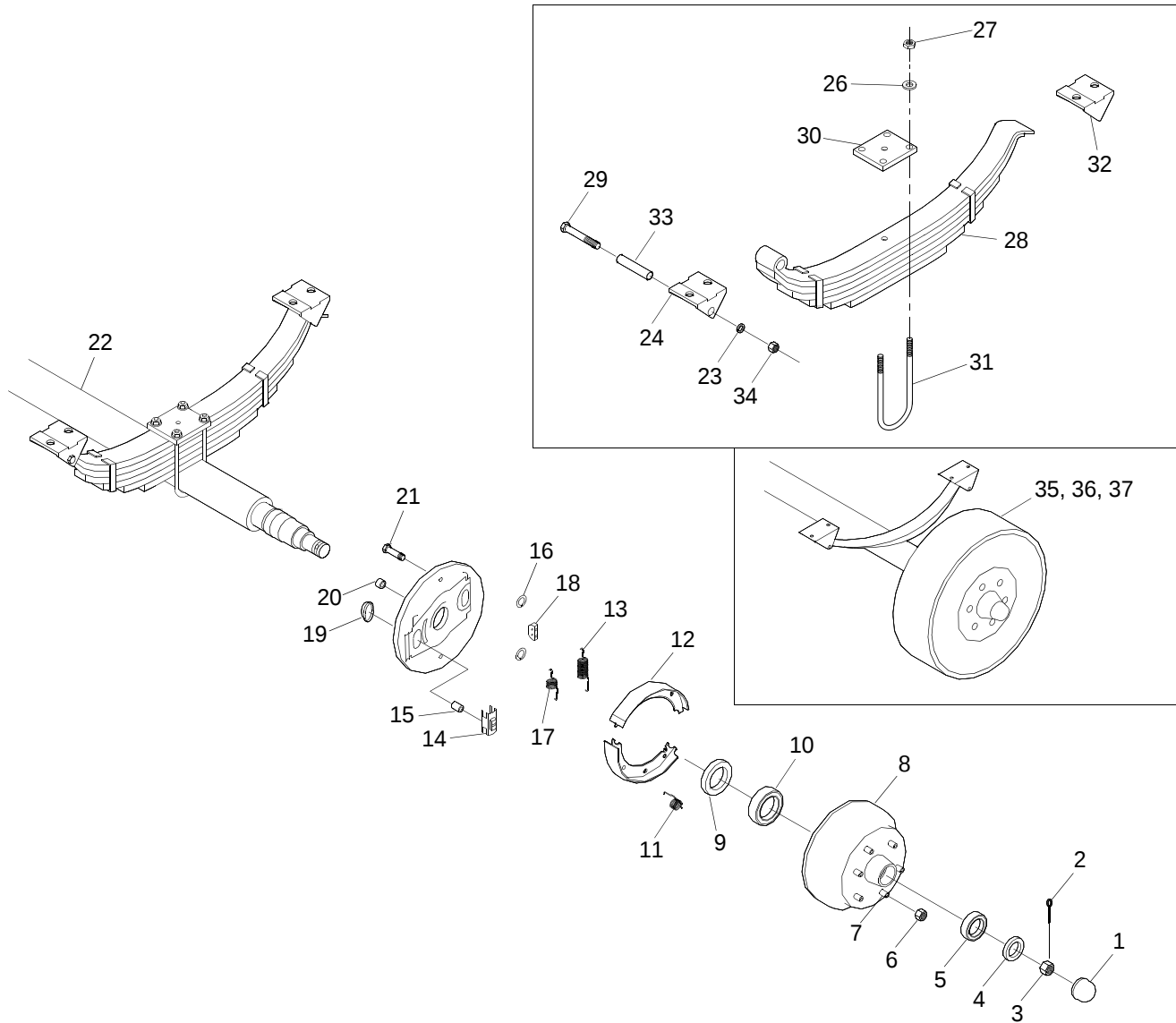
Steerable Running Gear (Front Axle)



22560866_009_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
15	22392260	Locknut	2	Continued
16	22392245	Washer	2	
17	22391858	Cap, Grease Fitting	4	
18	22391767	Fitting, Grease	4	
19	22513832	Beam , Round Axle	1	
	36092070	Kit , Round Beam To Replace Sq. Beam Axle	1	
20-22	22391734	Track Rod Assembly	1	
20	22392385	Nut	2	
21	22392393	Rod, Track	2	
22	22392377	Pin, Ball	2	
23	22392401	Washer	8	
24	22392419	Locknut	4	
25	22392427	Screw	2	
26	22256515	Tyre	2	
27	22343545	Wheel	2	
28	35148204	Stem, Valve	2	

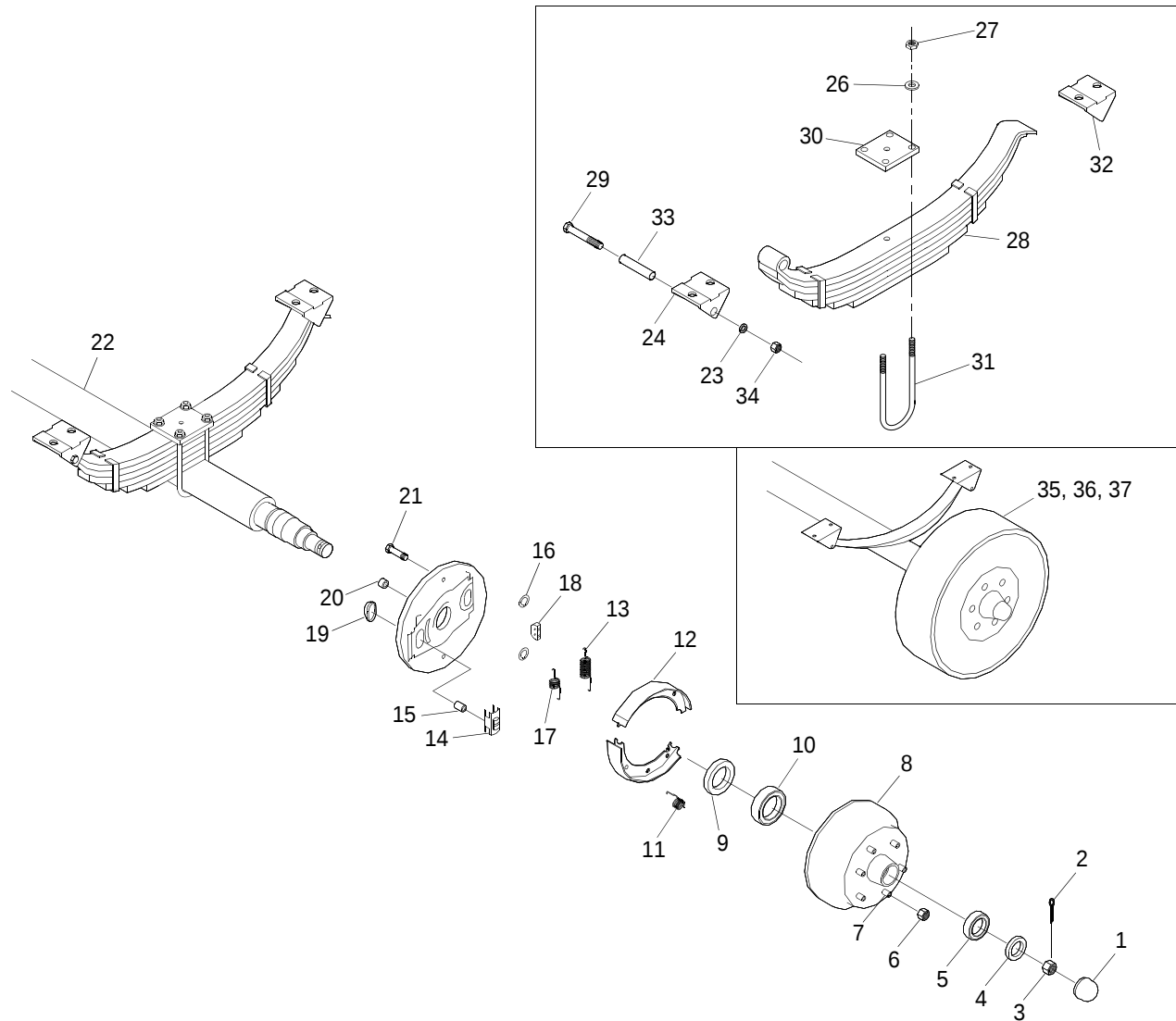
Steerable Running Gear (Rear Axle)



22560866_011_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-22	22513717	Rear Axle Assembly	1	
1	22392153	Cover, Hub	2	
2	22392237	Pin, Cotter	2	
3	22392146	Nut	2	
4	22392229	Washer, Hub	2	
5	22392138	Bearing, Outer	2	
6	22392211	Nut, Wheel	10	
7	22392203	Stud, Wheel	10	
8	22392575	Drum, Rear Brake	2	
9	22392179	Seal	2	
10	22392161	Bearing, Inner	2	
11	22392633	Spring	4	
12	22392625	Shoe, Brake	4	
13	22392617	Adjuster	2	Continued.....

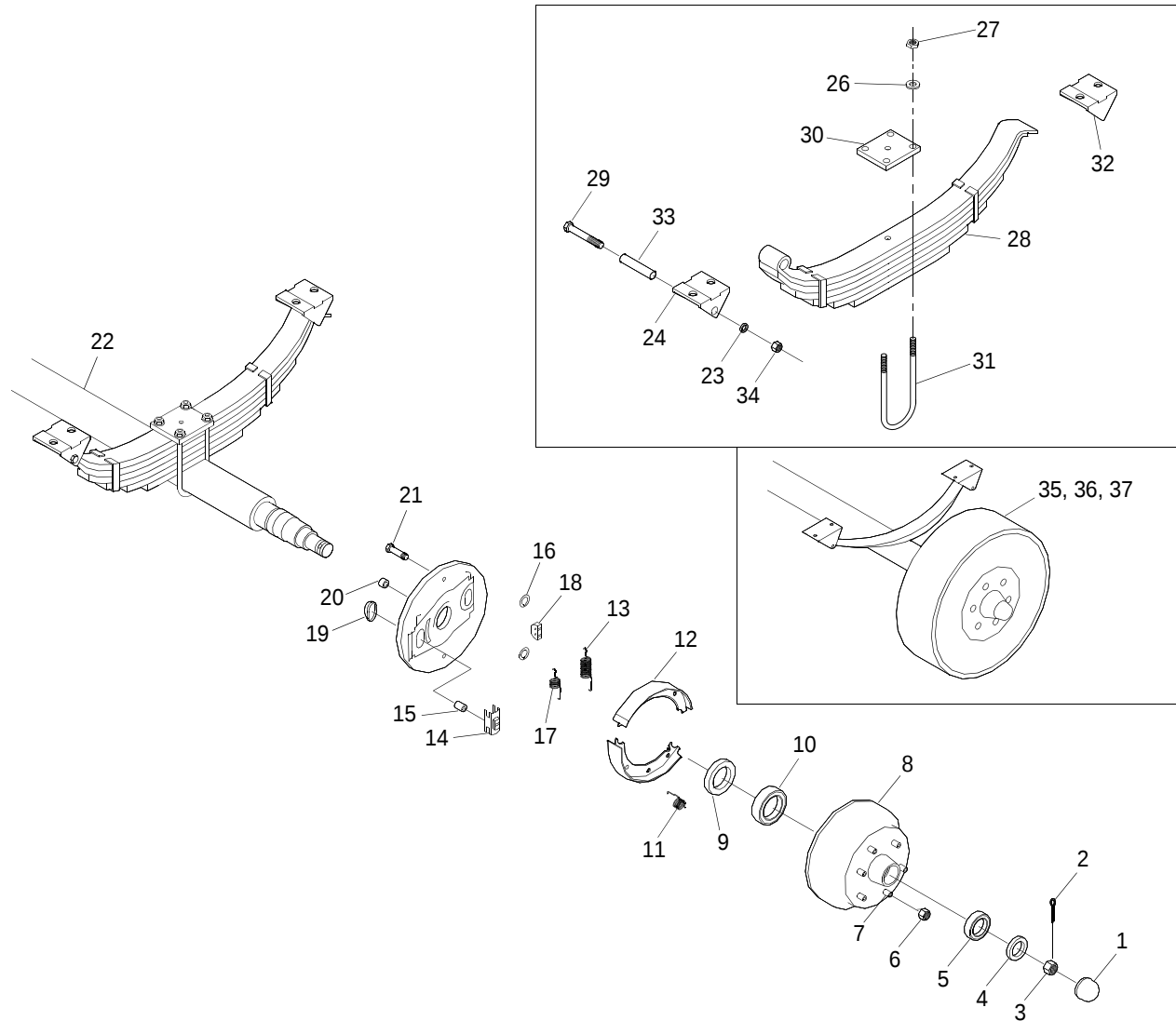
Steerable Running Gear (Rear Axle)



22560866_011_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
14	22392658	Expander	2	Continued
15	22392641	Holder	2	
16	22392591	Wedge	4	
17	22392666	Spring	2	
18	22392609	Wedge	2	
19	22392674	Cover	2	
20	22392682	Plug	4	
21	22392583	Screw	2	
22	22513683	Beam, Rear Axle , Round	1	
	36092088	Kit, Round Beam Rear Axle To Replace Square Beam Axle	1	
23	22392344	Washer	4	
24	22392310	Shackle, Front	4	
				Continued.....

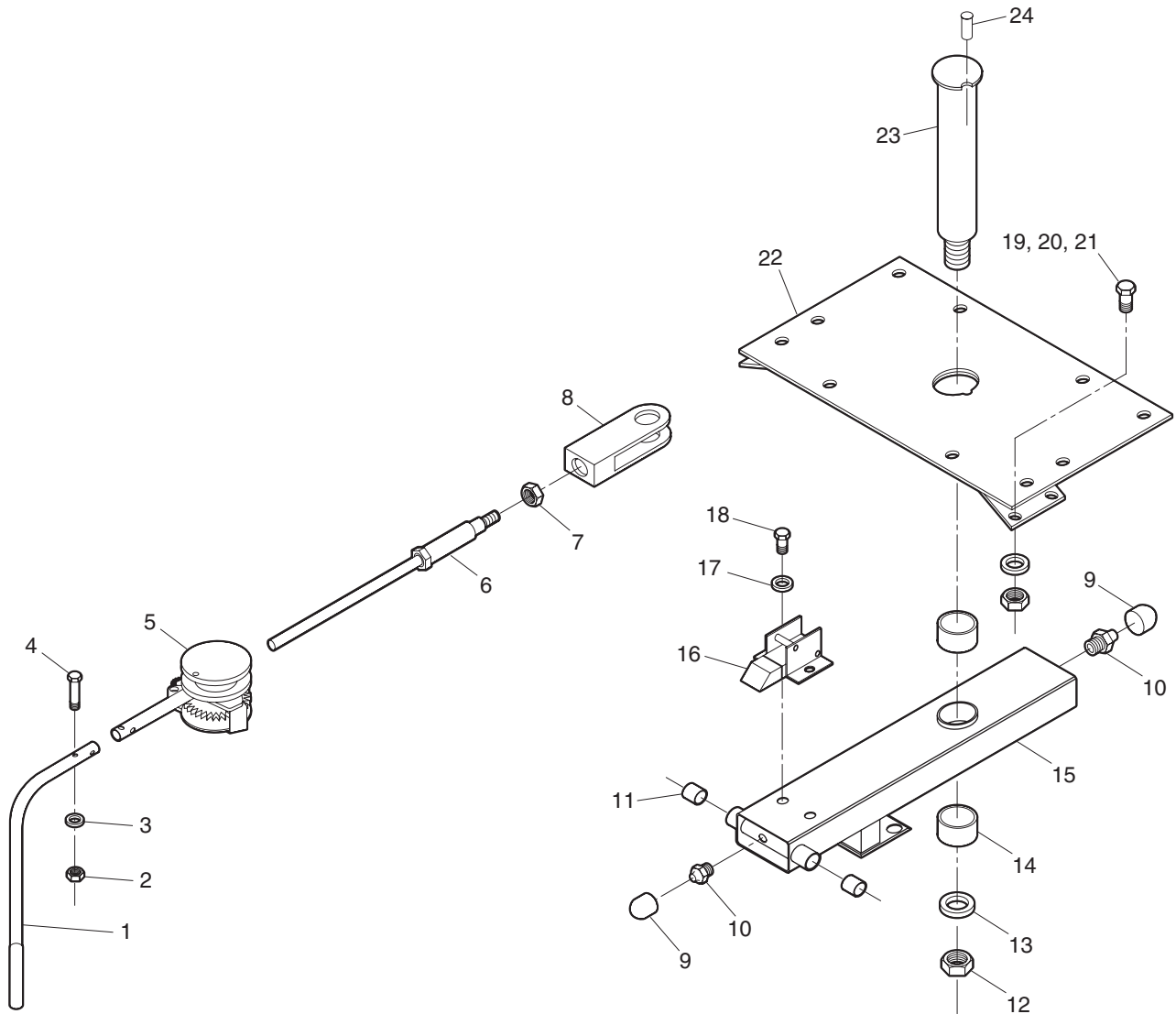
Steerable Running Gear (Rear Axle)



22560866_011_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
26	22392104	Washer	16	Continued
27	22392088	Spring Base, Lower	4	
28	22392302	Spring, Leaf	4	
29	22392336	Screw	4	
30	22513709	Spring Base , Upper	2	
31	22513691	U-bolt	16	
32	22392328	Shackle, Rear	4	
33	22392369	Bushing	4	
34	22392351	Locknut	4	
35	22256515	Tyre	2	
36	22343545	Wheel	2	
37	35148204	Stem, Valve	2	

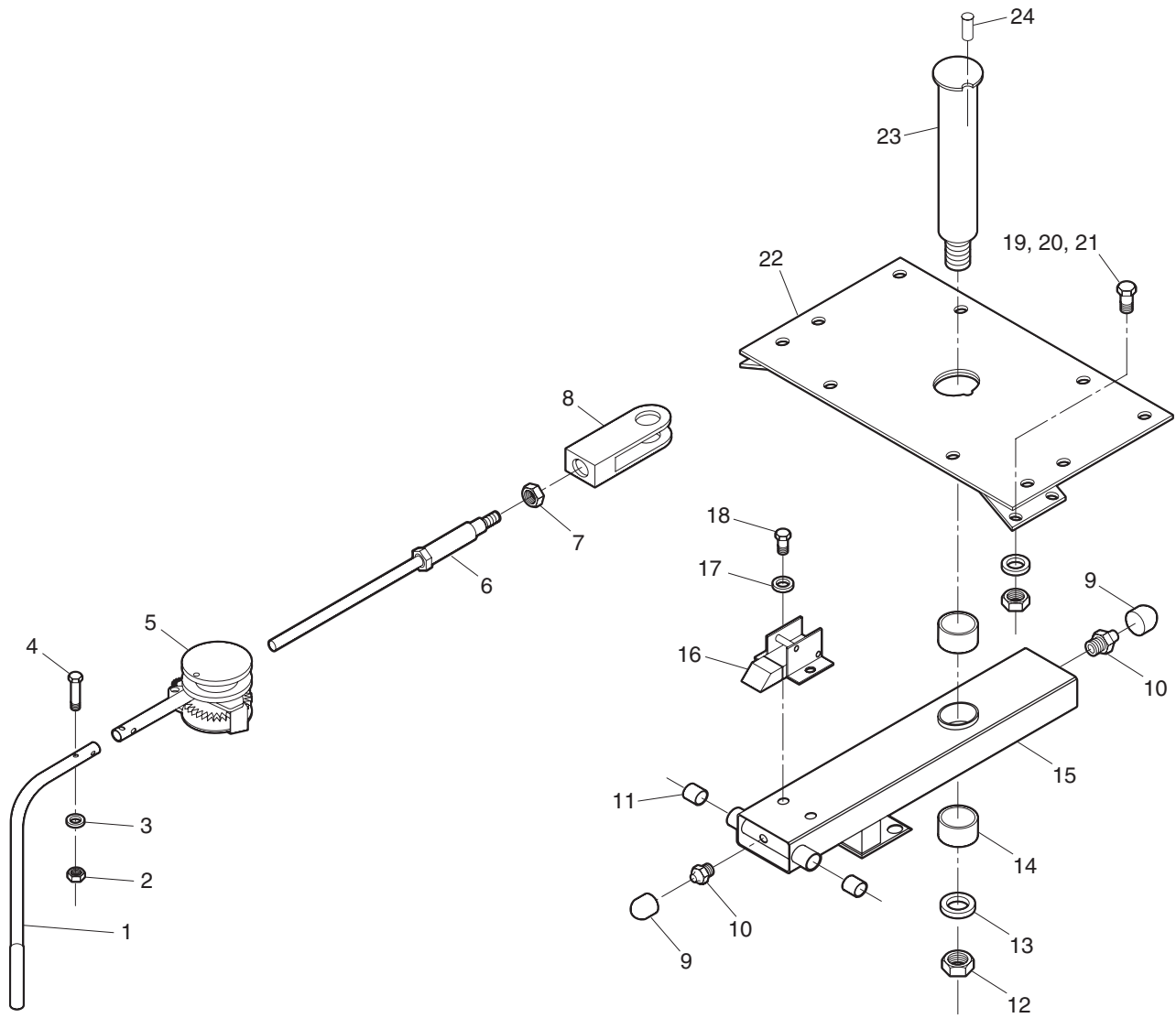
Steerable Running Gear (Parking Brake)



22560866_014_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-24	22391718	Pintle Box Assembly	1	
1	22391981	Handle, Parking Brake	1	
2	22392013	Nut	2	
3	22391882	Washer	2	
4	22392005	Screw	2	
5	22391973	Ratchet, Brake	1	
6	22391999	Cable, Brake	1	
7	22392021	Nut	1	
8	22392039	Yoke	1	
9	22391858	Cap, Grease Fitting	2	
10	22391767	Fitting, Grease	2	
11	22391908	Bearing, Bronze	2	
12	22391791	Locknut	1	Continued.....

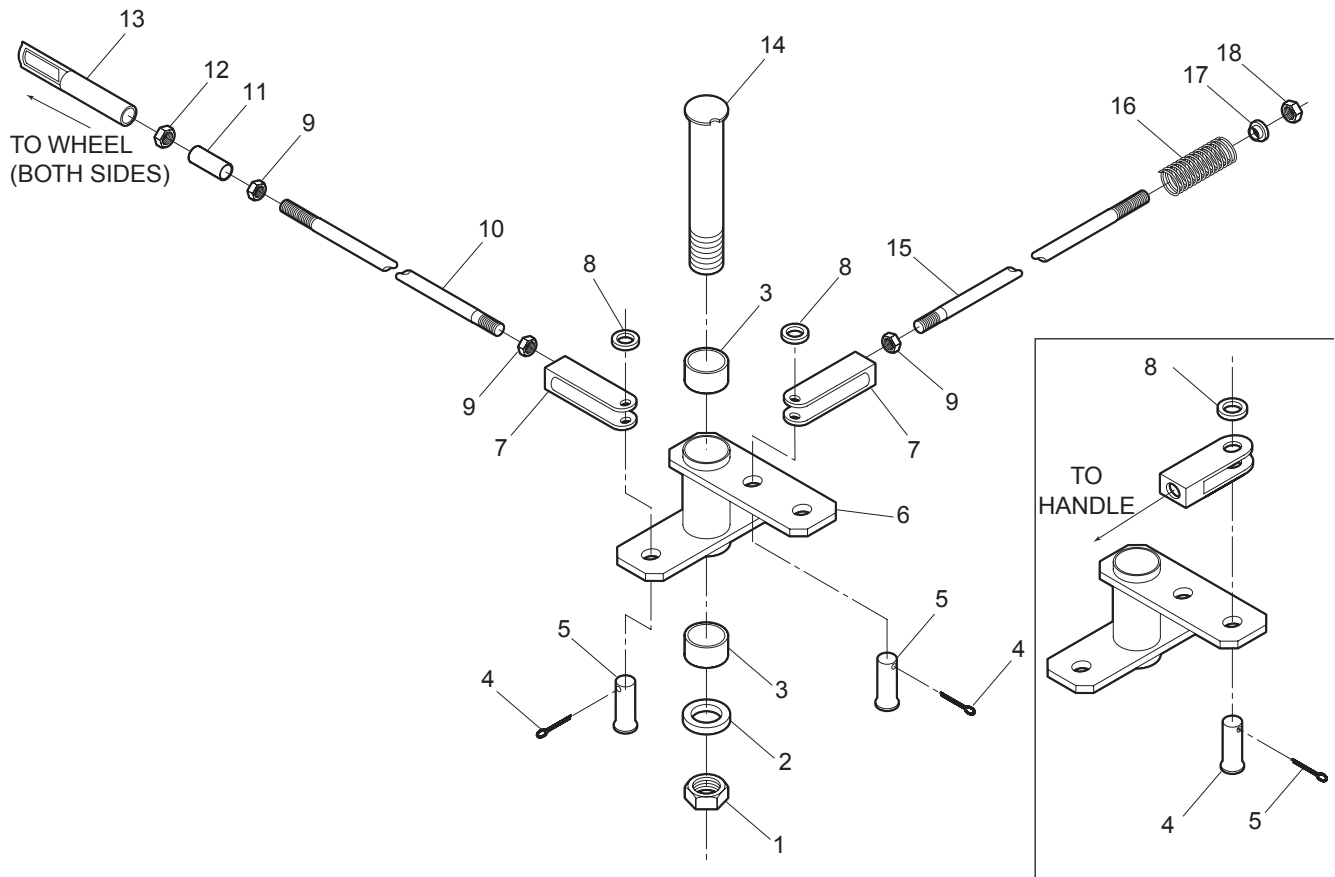
Steerable Running Gear (Parking Brake)



22560866_014_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
13	22391783	Washer	1	Continued
14	22391916	Bearing, Bronze	1	
15	22391932	Body	1	
16	22391940	Latch	1	
17	22391882	Washer	2	
18	22391890	Screw	2	
19	22392054	Screw	3	
20	22392047	Washer	3	
21	22392062	Nut	3	
22	22391965	Box, Pintle	1	
23	22391957	Pin, Large	1	
24	22391924	Pin, Small	1	

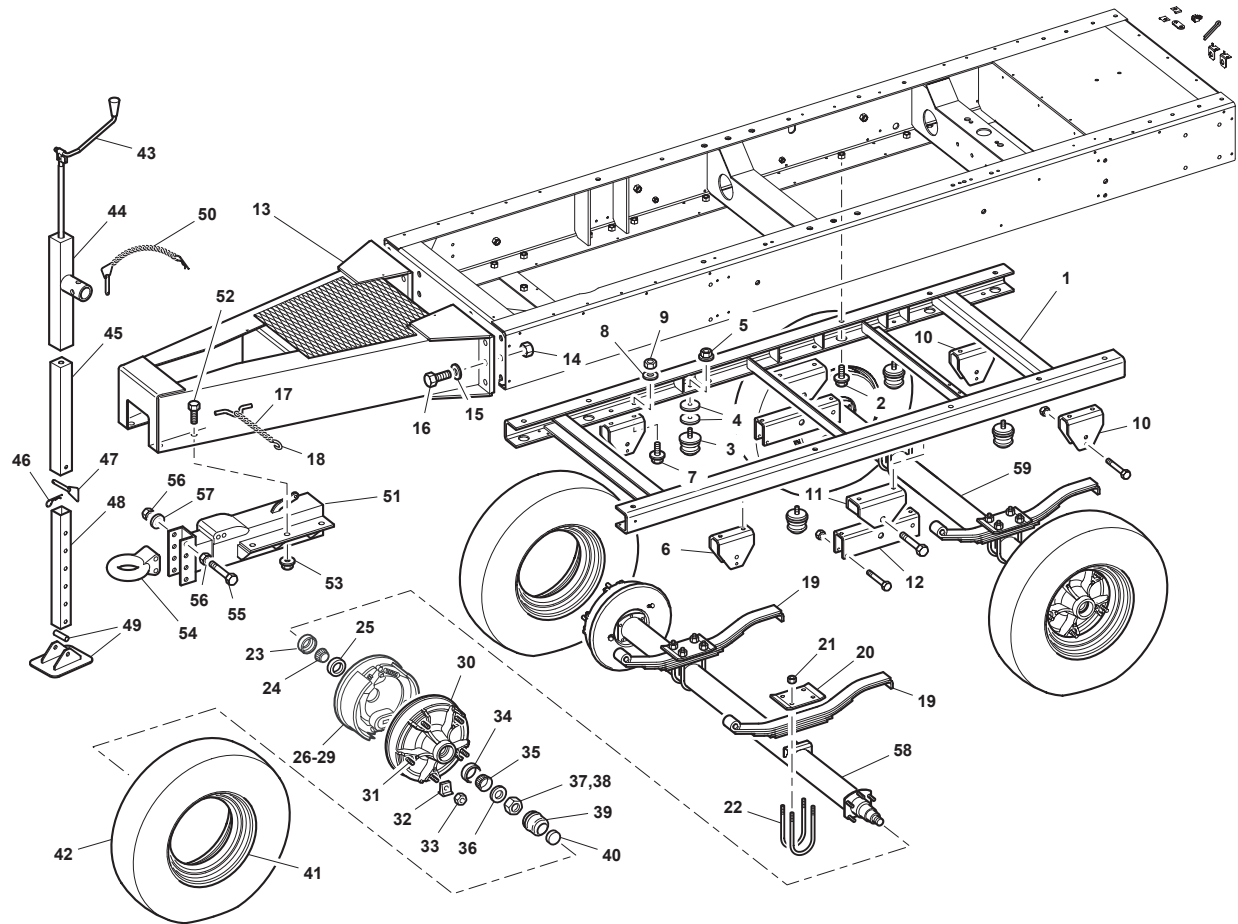
Steerable Running Gear (Parking Brake)



22560866_016_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-18	22391742	Rear Axle Assembly	1	
1	22391833	Locknut	1	
2	22392443	Washer	1	
3	22392500	Bearing	2	
4	22392476	Pin	3	
5	22392468	Pin, Cotter	3	
6	22392492	Lever	1	
7	22392039	Yoke	3	
8	22392450	Washer	3	
9	22392021	Nut	6	
10	22392534	Rod	2	
11	22392526	Nut, Adaptor	2	
12	22392062	Nut	2	
13	22392518	Hook, Safety	2	
14	22392484	Pin	1	
15	22392542	Rod	1	
16	22392559	Spring	1	
17	22392567	Washer	1	
18	22392260	Locknut	1	

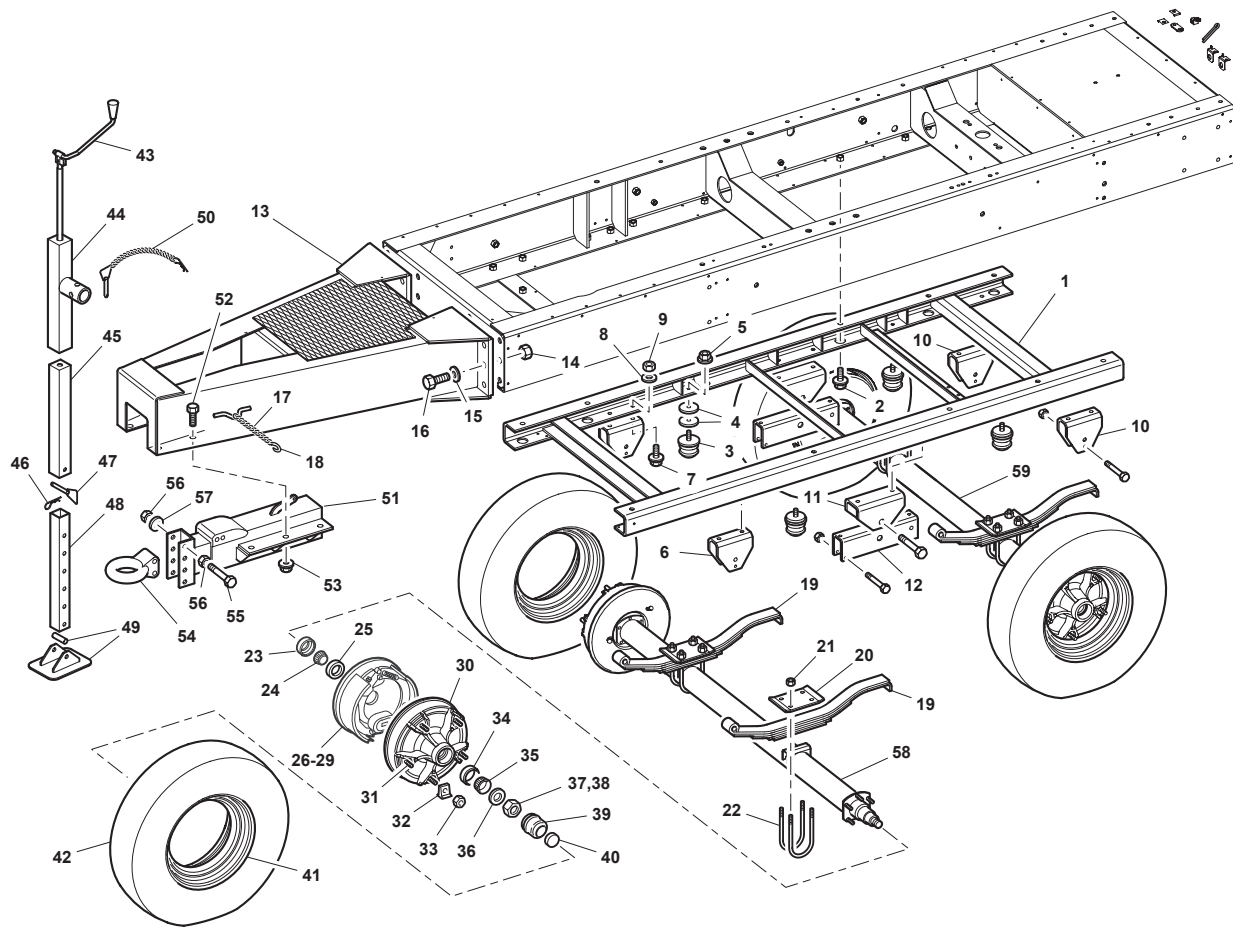
High Speed Running Gear (Hydraulic Brake)



22560866_017_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22441919	Subframe	1	
2	36879302	Screw	12	
3	54719141	Stop, Bumper	4	
4	35272996	Washer, Snubber	8	
5	36879203	Nut	4	
6	35326958	Hanger, Front	2	
7	36877793	Screw	12	
8	95935003	Washer	12	
9	35304047	Nut	12	
10	36895225	Hanger, Rear	2	
11	35326966	Hanger, Center	2	
12	35356930	Equalizer	2	
13	22184675	Drawbar	1	
14	35297340	Nut	12	
15	95935011	Washer	12	
16	96700919	Screw	12	Continued.....

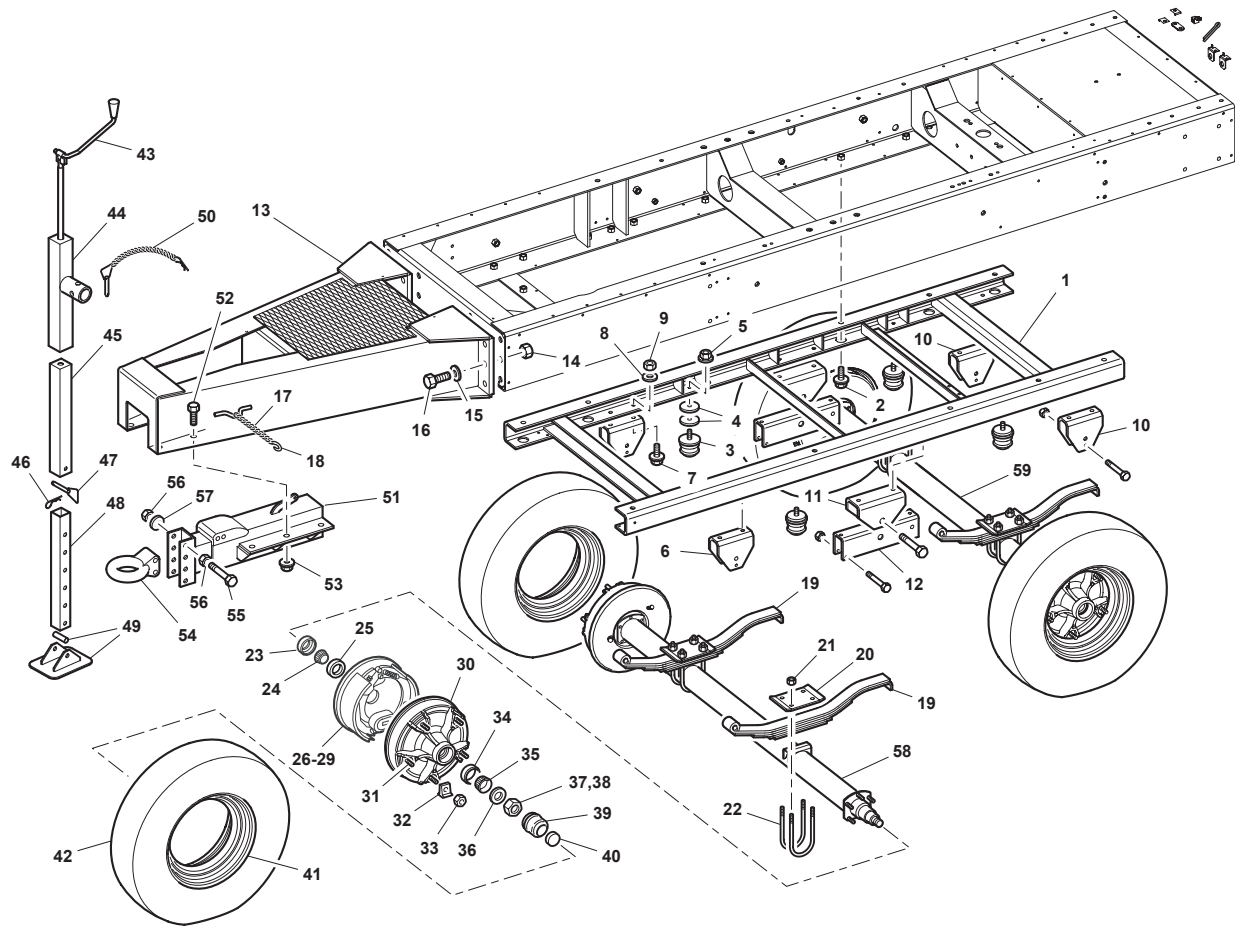
High Speed Running Gear (Hydraulic Brake)



22560866_017_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
17	35610385	Chain	2	Continued
18	35369800	Link	2	
19	36385392	Spring	4	
20	22222459	Plate	4	
21	22222475	Nut	16	
22	35356922	U-Bolt	8	
23-40	--	Wheel & Hub Assembly	4	
23	36865962	Seal, Grease	1	
24	35316884	Bearing Cone, Inner	1	
25	35316876	Bearing Cone, Inner	1	
26	36895241	Brake Assembly, Left Hand	1	
	36895258	Brake Assembly, Right Hand	1	
27	36895779	Brake Shoe & Lining Kit, Left Hand	1	
	36895787	Brake Shoe & Lining Kit, Right Hand	1	
28	36897851	Brake Cylinder Kit, Left Hand	1	
	36897885	Brake Cylinder Kit, Right Hand	1	
				Continued.....

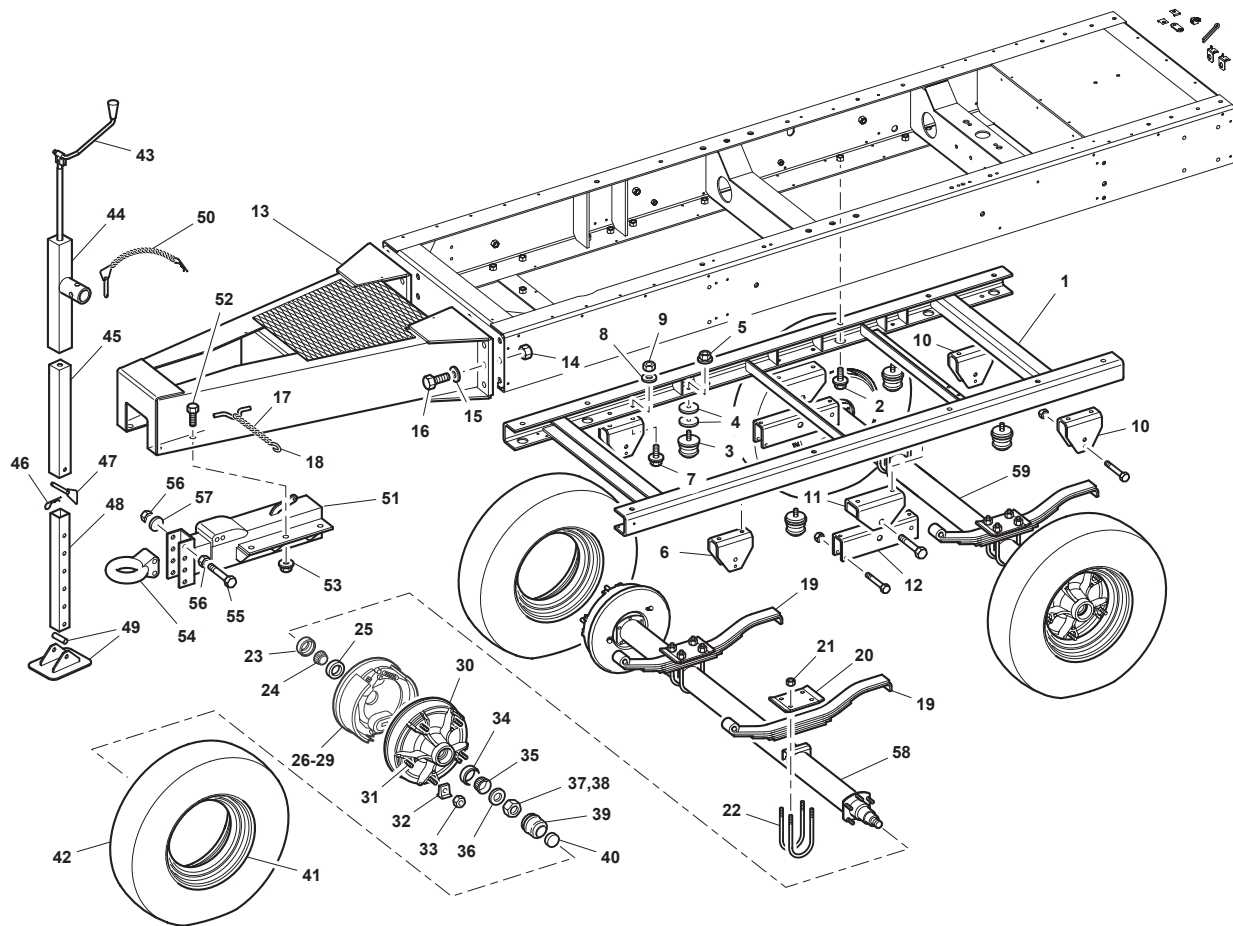
High Speed Running Gear (Hydraulic Brake)



22560866_017_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
29	36895795	Brake Spring Kit	1	Continued
30	22331326	Hub Assembly	1	
31	22332449	Wheel Stud	5	
32	22330039	Wheel Nut Clamp	5	
33	22331763	Wheel Nut	5	
34	35385277	Bearing Cone, Outer	1	
35	35385293	Bearing Cone, Outer	1	
36	35356914	Spindle Washer	1	
37	35315217	Spindle Nut	1	
38	22222483	Cage, Spindle Nut	1	
39	35379395	Grease Cap	1	
40	35379387	Grease Cap Plug	1	
41	22319685	Wheel	4	
42	22320725	Tyre	4	
43-49	36870111	Jack, Extended Leg Assembly	1	
43	36870129	Crank	1	
				Continued.....

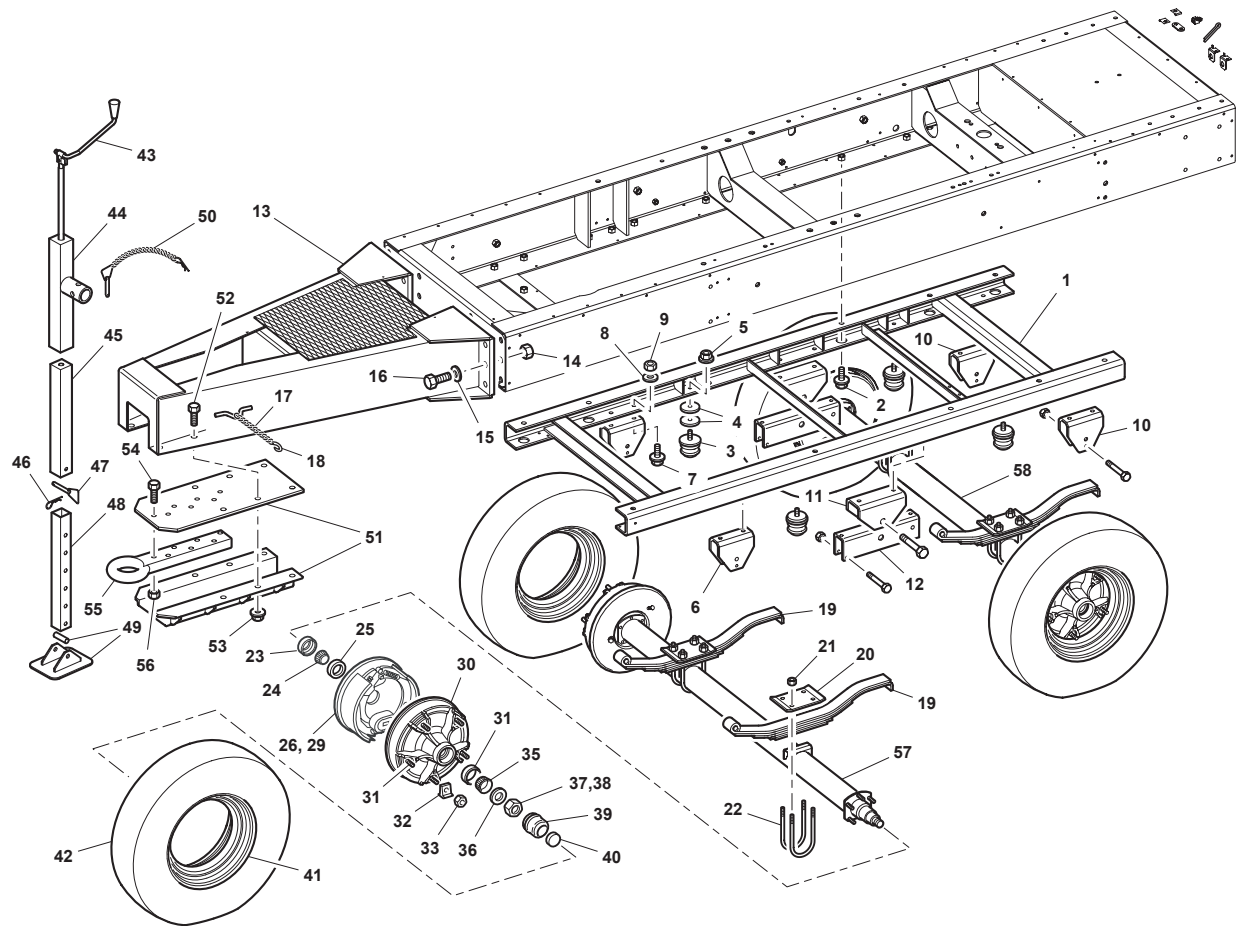
High Speed Running Gear (Hydraulic Brake)



22560866_017_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
44	36870129	Tube	1	Continued
45	36870053	Tube	1	
46	36870103	Clip	1	
47	36870095	Pin	1	
48	36870087	Tube	1	
49	36870145	Base	1	
50	35609544	Pin and Chain Assembly	1	
51	36734424	Actuator, Hydraulic Surge	1	
52	35272558	Screw	6	
53	35356526	Nut	6	
54	35605187	Pintle Eye	1	
55	35376094	Screw	2	
56	96701750	Nut	4	
57	95935052	Washer	2	
58	22320865	Axle Assembly, Front	1	
59	22320873	Axle Assembly, Rear	1	

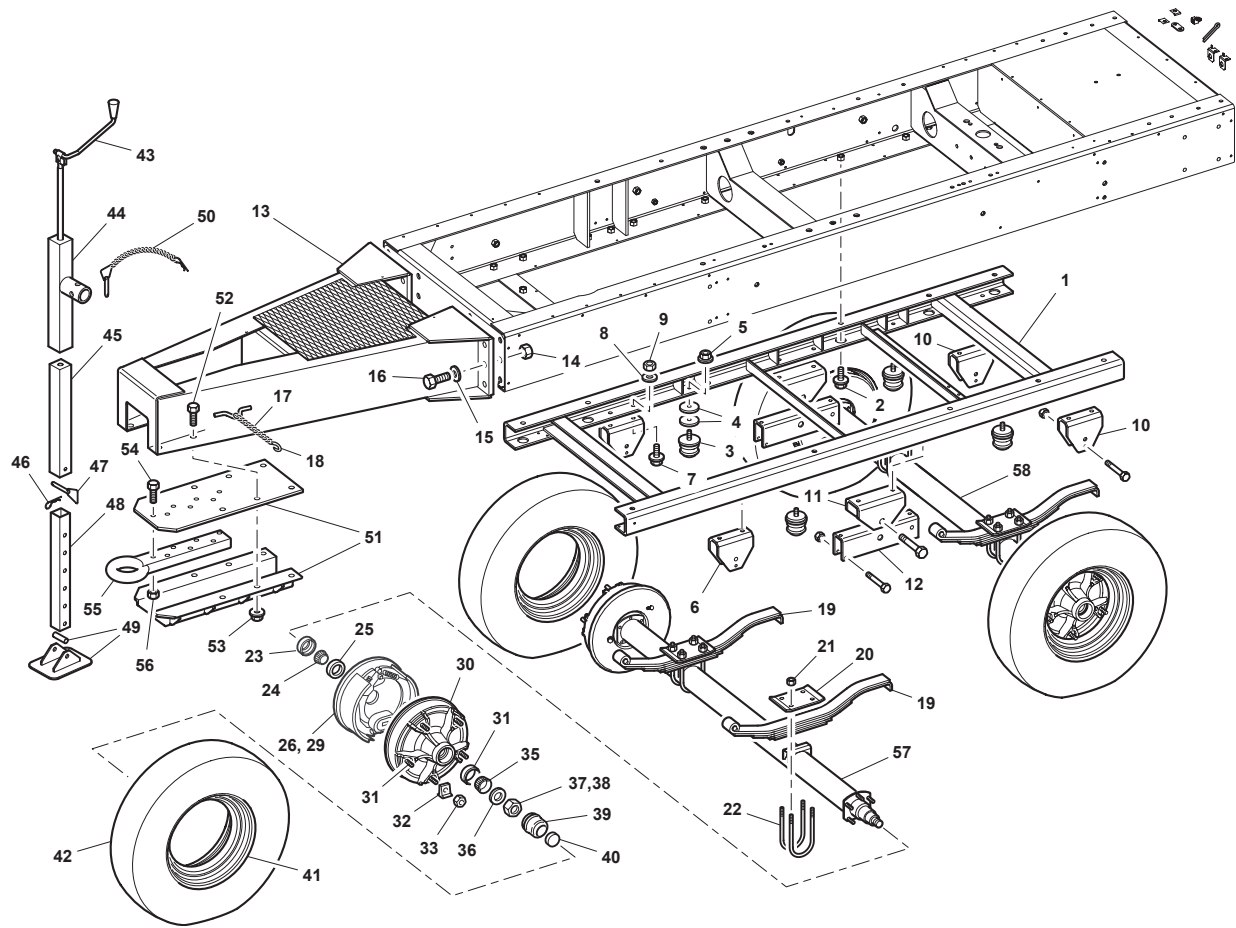
High Speed Running Gear (Electric Brake)



22560866_021_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22441919	Subframe	1	
2	36879302	Screw	12	
3	54719141	Stop, Bumper	4	
4	35272996	Washer, Snubber	8	
5	36879203	Nut	4	
6	35326958	Hanger, Front	2	
7	36877793	Screw	12	
8	95935003	Washer	12	
9	35304047	Nut	12	
10	36895225	Hanger, Rear	2	
11	35326966	Hanger, Center	2	
12	35356930	Equalizer	2	
13	22184675	Drawbar	1	
14	35297340	Nut	12	
15	95935011	Washer	12	
16	96700919	Screw	12	
17	35610385	Chain		Continued.....

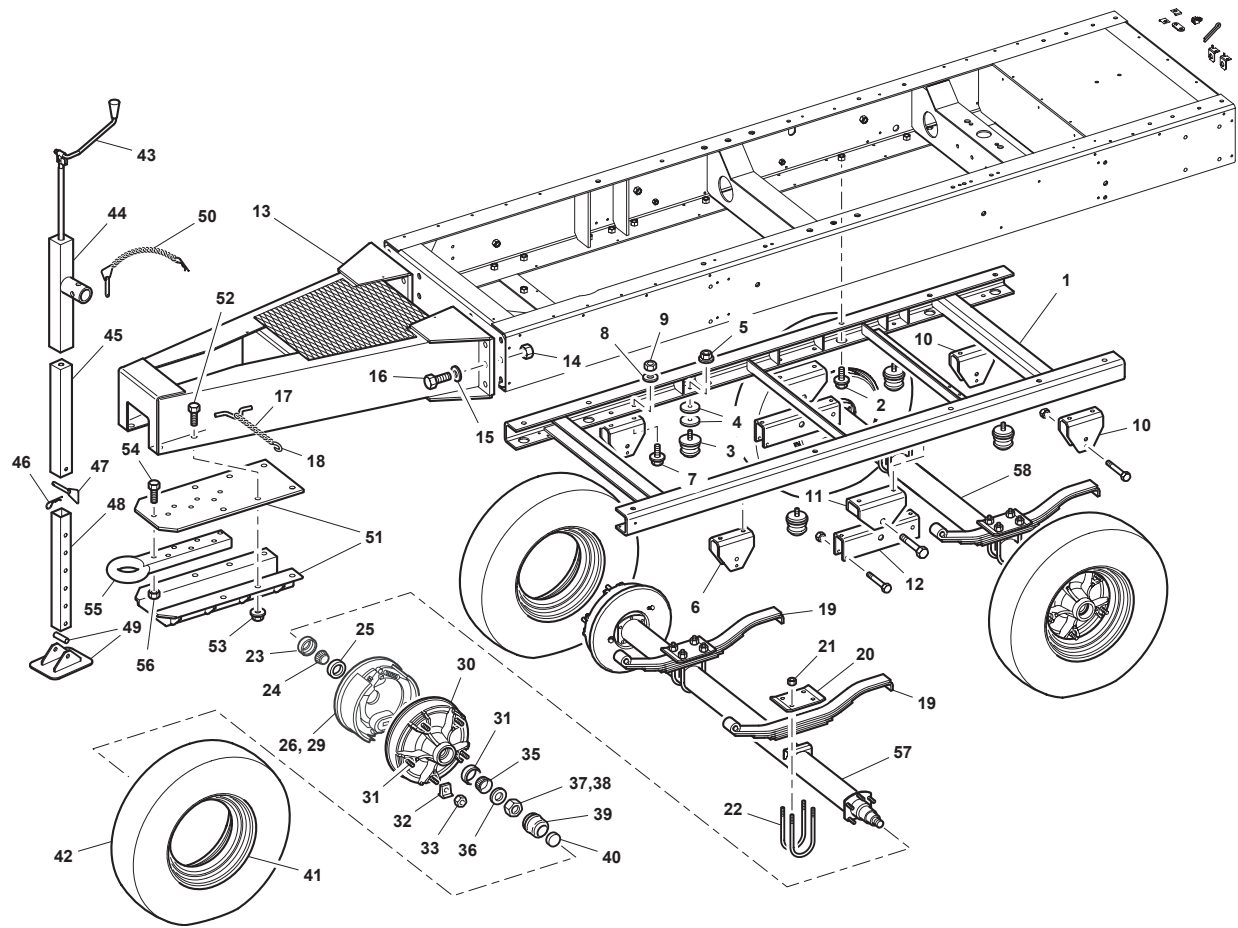
High Speed Running Gear (Electric Brake)



22560866_021_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
18	35369800	Link		Continued
19	36891794	Spring	4	
20	22222459	Plate	4	
21	22222475	Nut	16	
22	35356922	U-Bolt	8	
23-40	-	Wheel & Hub Assembly	4	
23	36865962	Seal, Grease	1	
24	35316884	Bearing Cone, Inner	1	
25	35316876	Bearing Cone, Inner	1	
26	36855377	Brake Assembly, Left Hand	1	
	36855385	Brake Assembly, Right Hand	1	
27	36895803	Brake Shoe and Lining Kit	1	
28	36895811	Brake Magnet Kit	1	
29	36895829	Brake Actuating Lever Kit, Left Hand	1	
	36895837	Brake Actuating Lever Kit, Right Hand	1	
30	22331326	Hub Assembly	1	
31	22332449	Wheel Stud	5	
				Continued.....

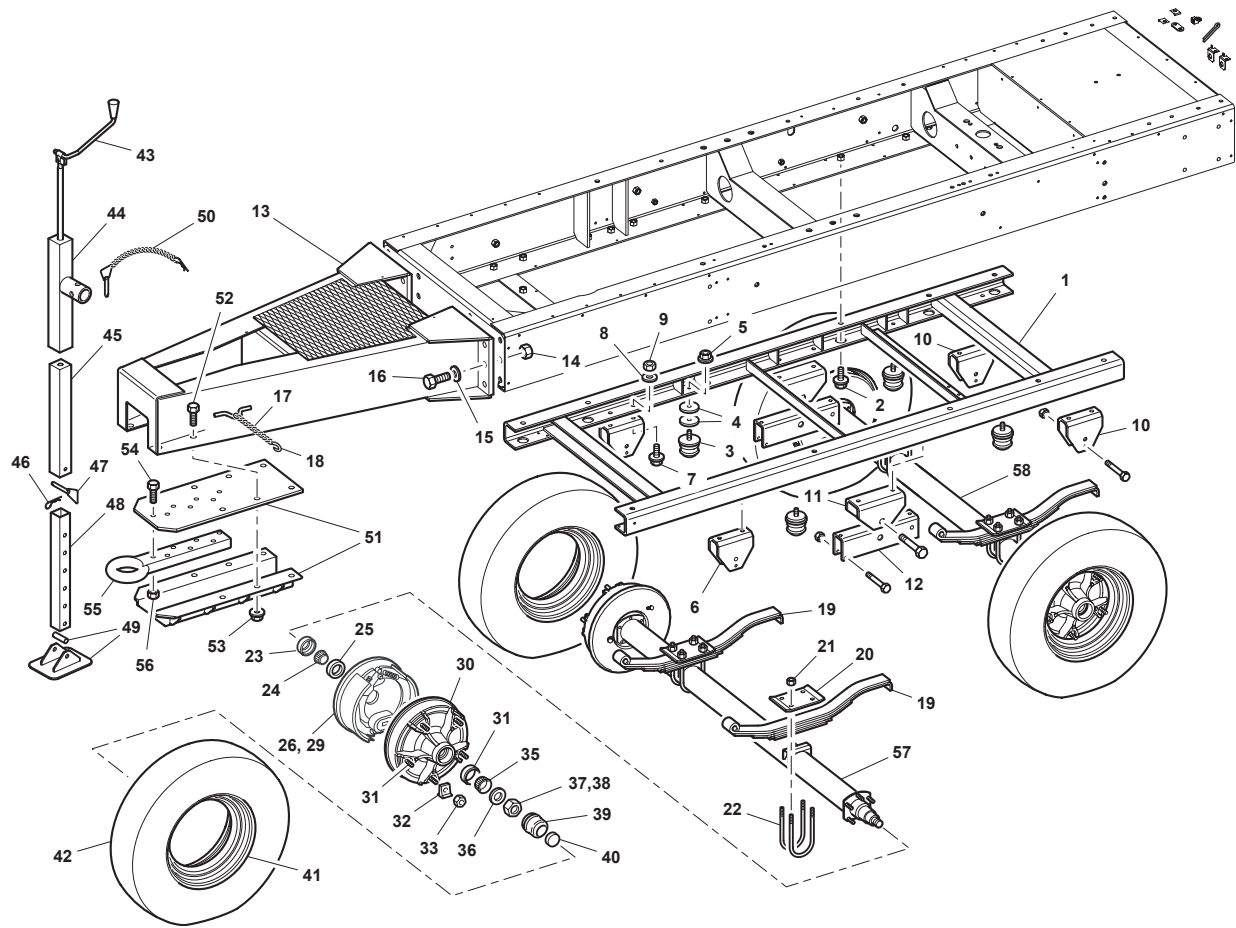
High Speed Running Gear (Electric Brake)



22560866_021_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
32	22330039	Wheel Nut Clamp	5	Continued
33	22331763	Wheel Nut	5	
34	35385277	Bearing Cone, Outer	1	
35	35385293	Bearing Cone, Outer	1	
36	35356914	Spindle Washer	1	
37	35315217	Spindle Nut	1	
38	22222483	Cage, Spindle Nut	1	
39	35379395	Grease Cap	1	
40	35379387	Grease Cap Plug	1	
41	22319685	Wheel	4	
42	22320725	Tyre	4	
43-49	36870111	Jack, Extended Leg Assembly	1	
43	36870129	Crank	1	
44	36870129	Tube	1	
45	36870053	Tube	1	
46	36870103	Clip	1	
47	36870095	Pin	1	
				Continued.....

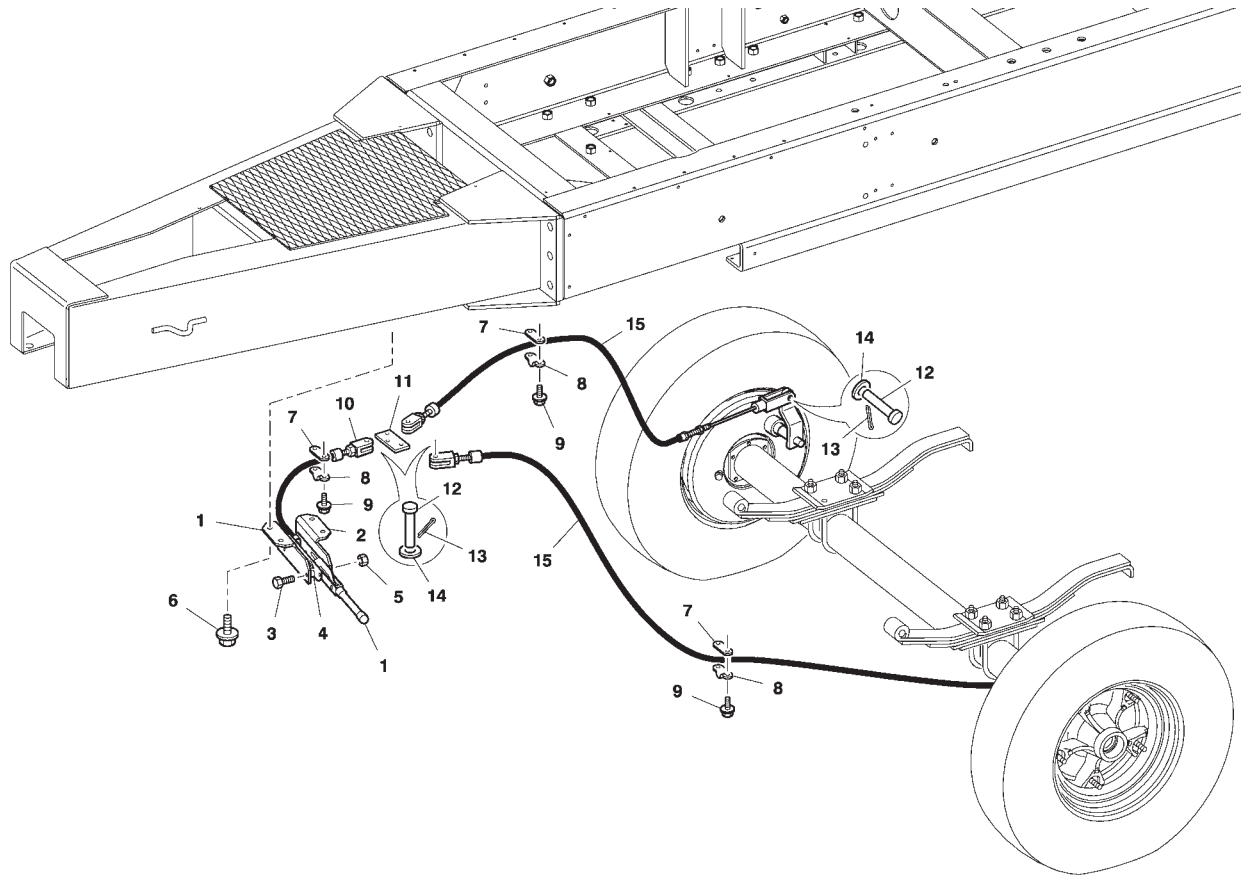
High Speed Running Gear (Electric Brake)



22560866_021_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
48	36870087	Tube	1	Continued
49	36870145	Base	1	
50	35609544	Pin and Chain Assembly	1	
51	36742880	Support	1	
52	35272558	Screw	6	
53	35356526	Nut	6	
54	95934170	Screw	7	
55	35327840	Eye, Lunette	1	
56	35374453	Nut	7	
57	22215545	Bracket	1	
58	22215552	Bracket	1	
59	35859396	Handle	1	
60	96735543	Nut	2	
61	35288422	Screw	2	
62	36880995	Screw	4	
63	22320865	Axle Assembly, Front	1	
64	22320873	Axle Assembly, Rear	1	

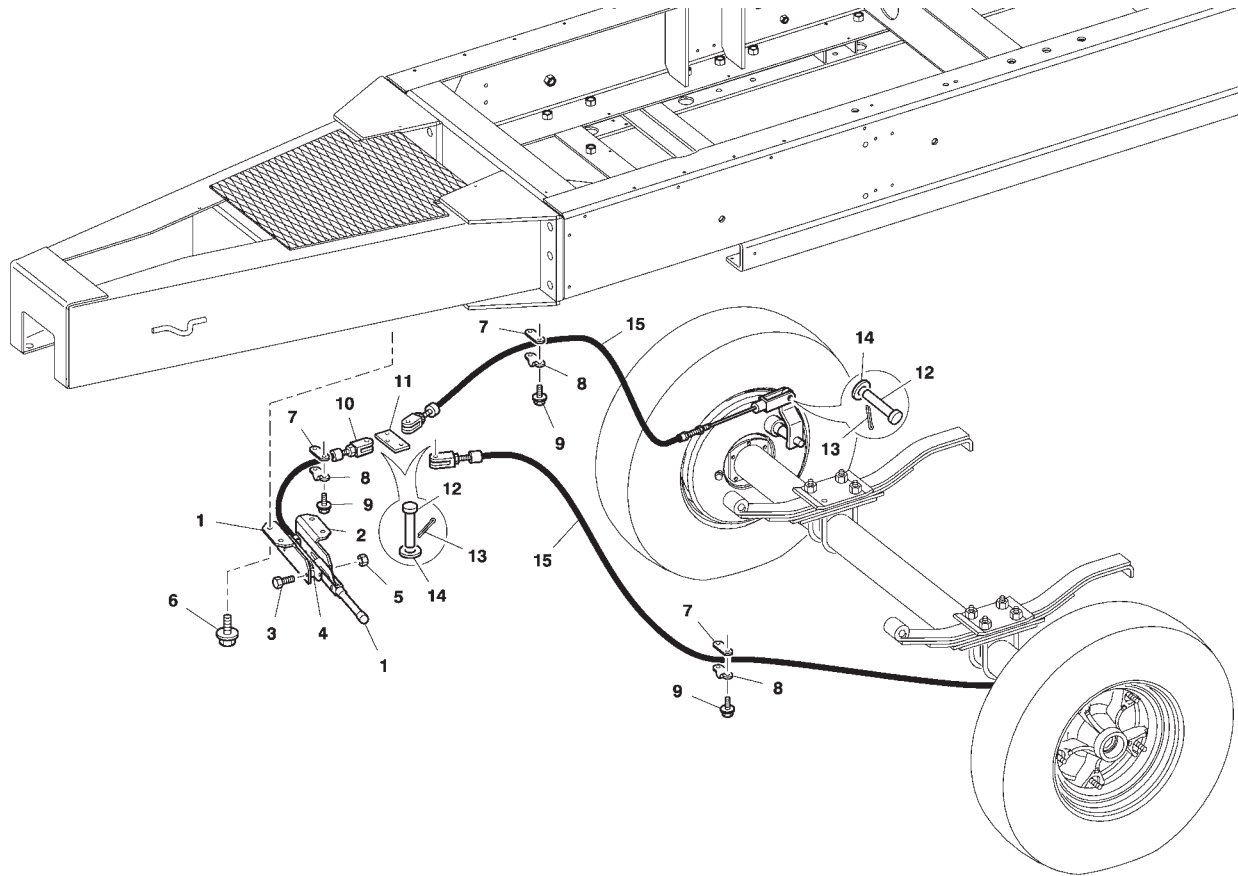
High Speed Running Gear (Parking Brake)



22560866_025_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22215545	Bracket, Parking Brake, Left Hand	1	Continued.....
2	22215552	Bracket, Parking Brake, Right Hand	1	
3	35288422	Screw	2	
4	35358829	Spacer	4	
5	96735543	Nut	2	
6	36880995	Screw	4	
7	35602903	Spacer	3	
8	35602895	Clip	3	
9	35279025	Screw	6	
10	35859404	Cable	1	

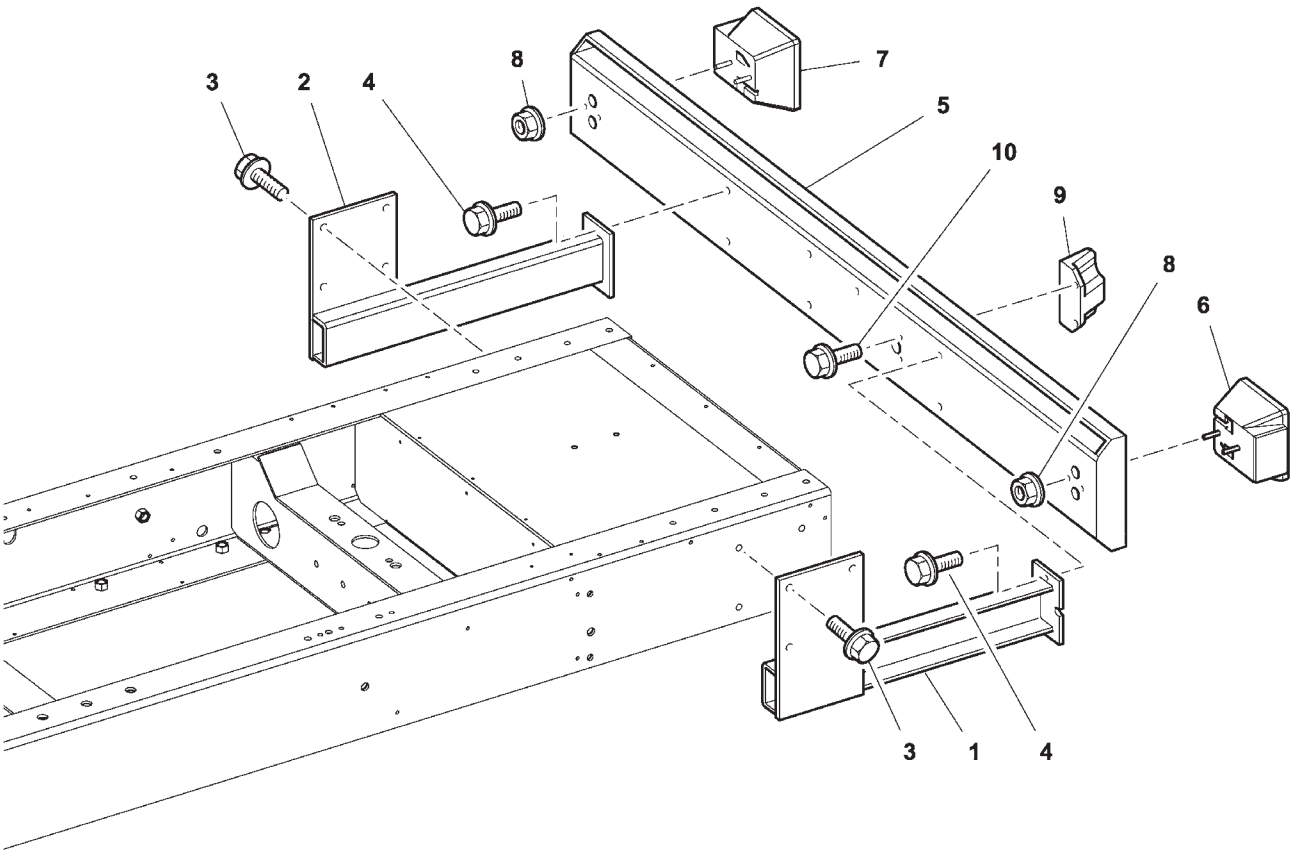
High Speed Running Gear (Parking Brake)



22560866_025_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
11	35602846	Equalizer Bracket	1	 <i>Continued</i>
12	35357151	Pin	5	
13	95928867	Cotter	5	
14	95934998	Washer	5	
15	22349914	Cable, HSRG with Electric Brake	2	
*15	22215057	Cable - Not Illustrated HSRG with Hydraulic Brake. Hydraulic Parking Brake Cable does not require items 13,14 and 15	2	

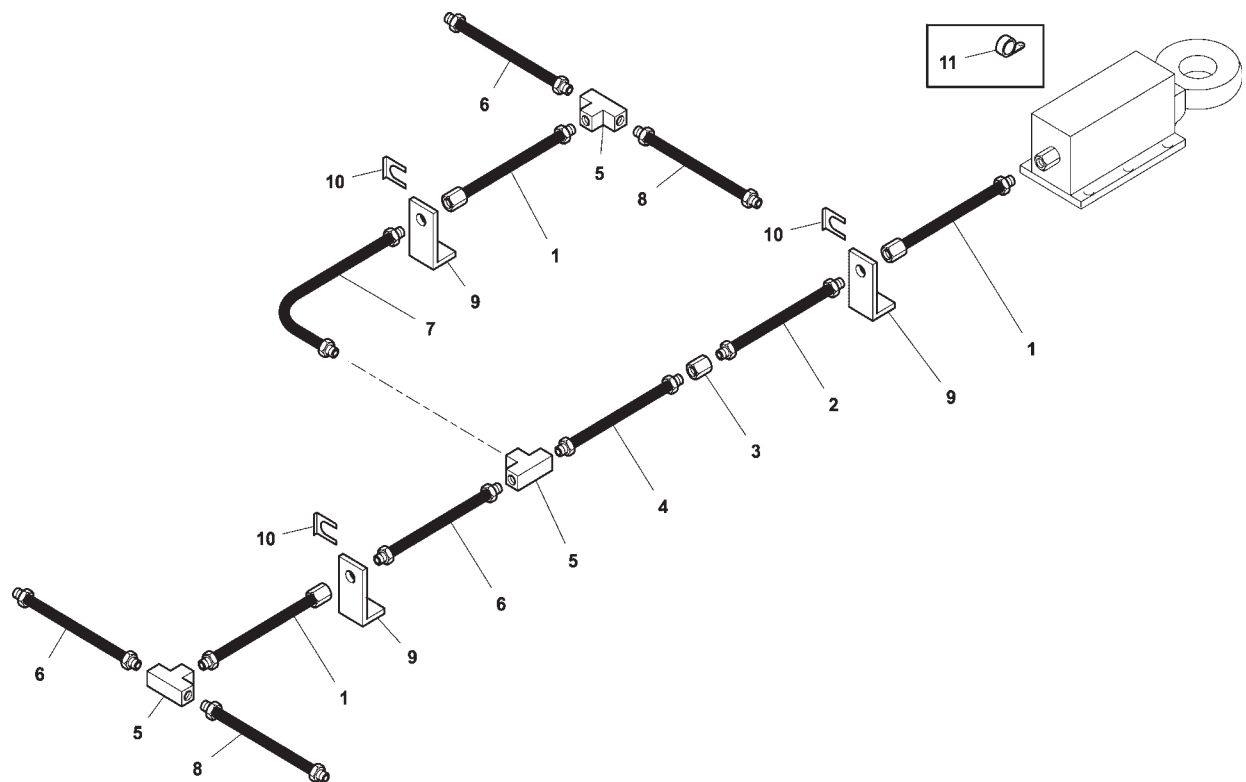
High Speed Running Gear



22560866_027_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22189492	Bracket, Left Hand	1	6 MM
2	22189500	Bracket, Right Hand	1	
3	36877793	Screw	8	
4	36879492	Screw	4	
5	22207997	Bar, Bumper	1	
6	54671557	Light, Left Hand	1	
7	54671557	Light, Right Hand	1	
8	85507911	Nut	4	
9	36895860	Light	1	
10	36782837	Screw	2	

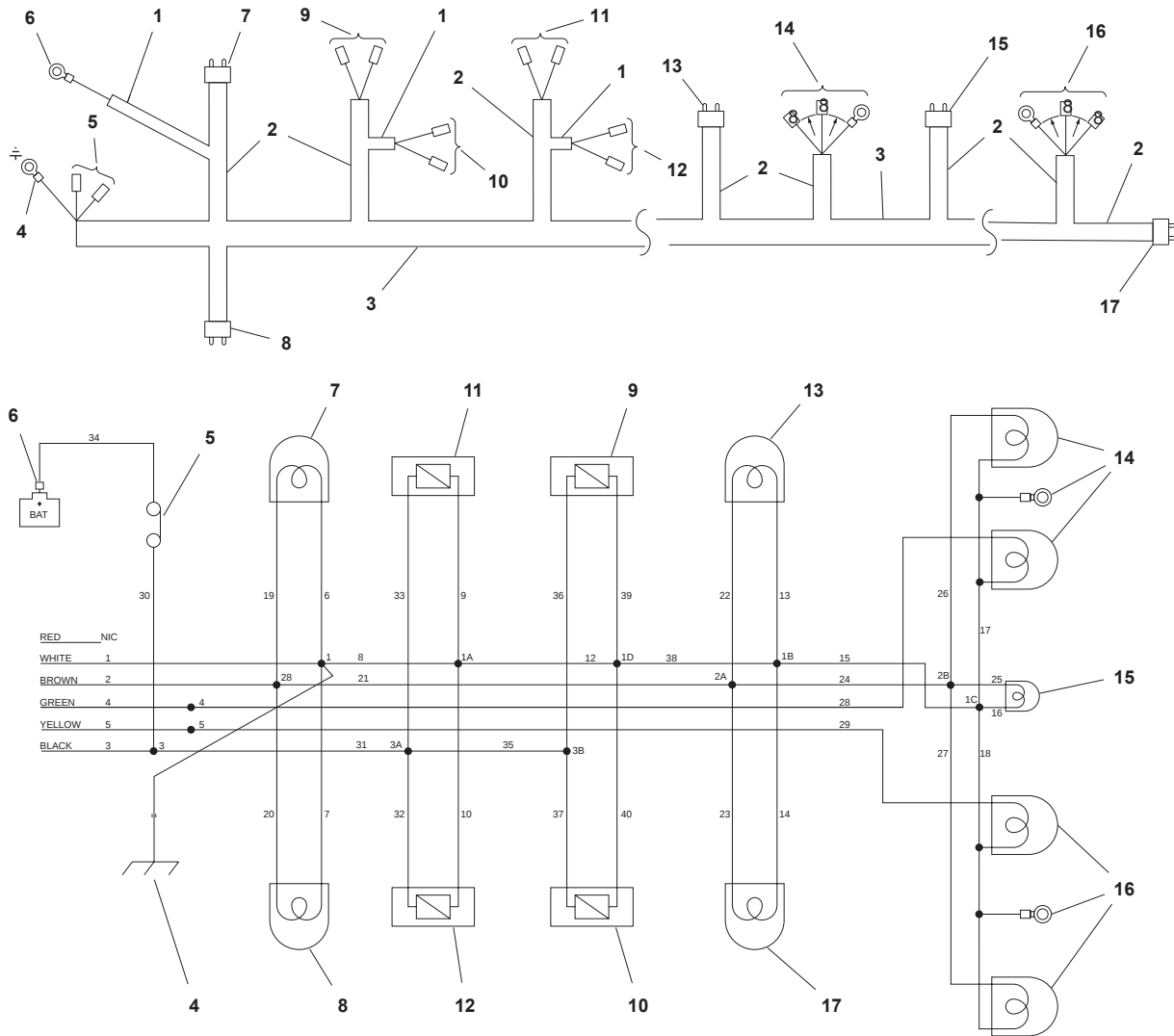
High Speed Running Gear



22560866_028_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35356369	Hose	3	
2	36894699	Tube	1	
3	35356336	Connector	1	
4	36867281	Tube	1	
5	35356328	Tee	3	
6	36894673	Tube	3	
7	36881290	Tube	1	
8	35336419	Tube	2	
9	35356310	Bracket	3	
10	35356302	Clip, Hose	3	
11	37001252	Clip, Tube	3	

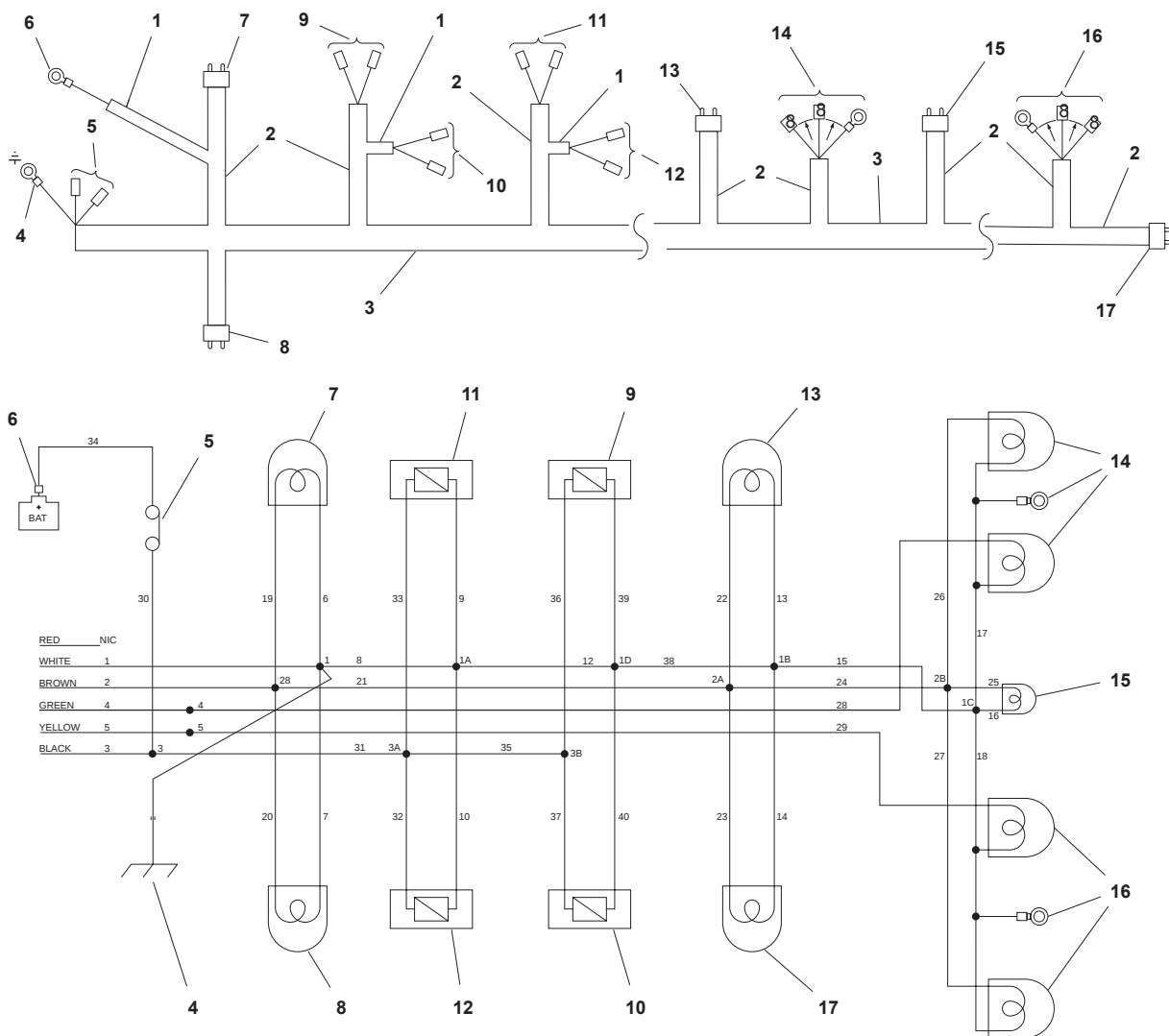
High Speed Running Gear



22560866_029_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-3	22306633	Harness	1	
1	N.S.S	Conduit	1	13 MM
2	N.S.S	Conduit	1	9 MM
3	N.S.S	Conduit	1	6 MM
4	--	Ground Point Connection	1	
5	35315944	Switch, Breakaway	1	
6	--	Battery Connection	1	
7	35367051	Light, Side, Right Hand, Front	1	
7a	36893634	Grommet	1	
8	35367051	Light, Side, Left Hand, Front	1	
8a	36893634	Grommet	1	
9	--	Brake A, Right Hand	1	
10	--	Brake A, Left Hand	1	Continued.....

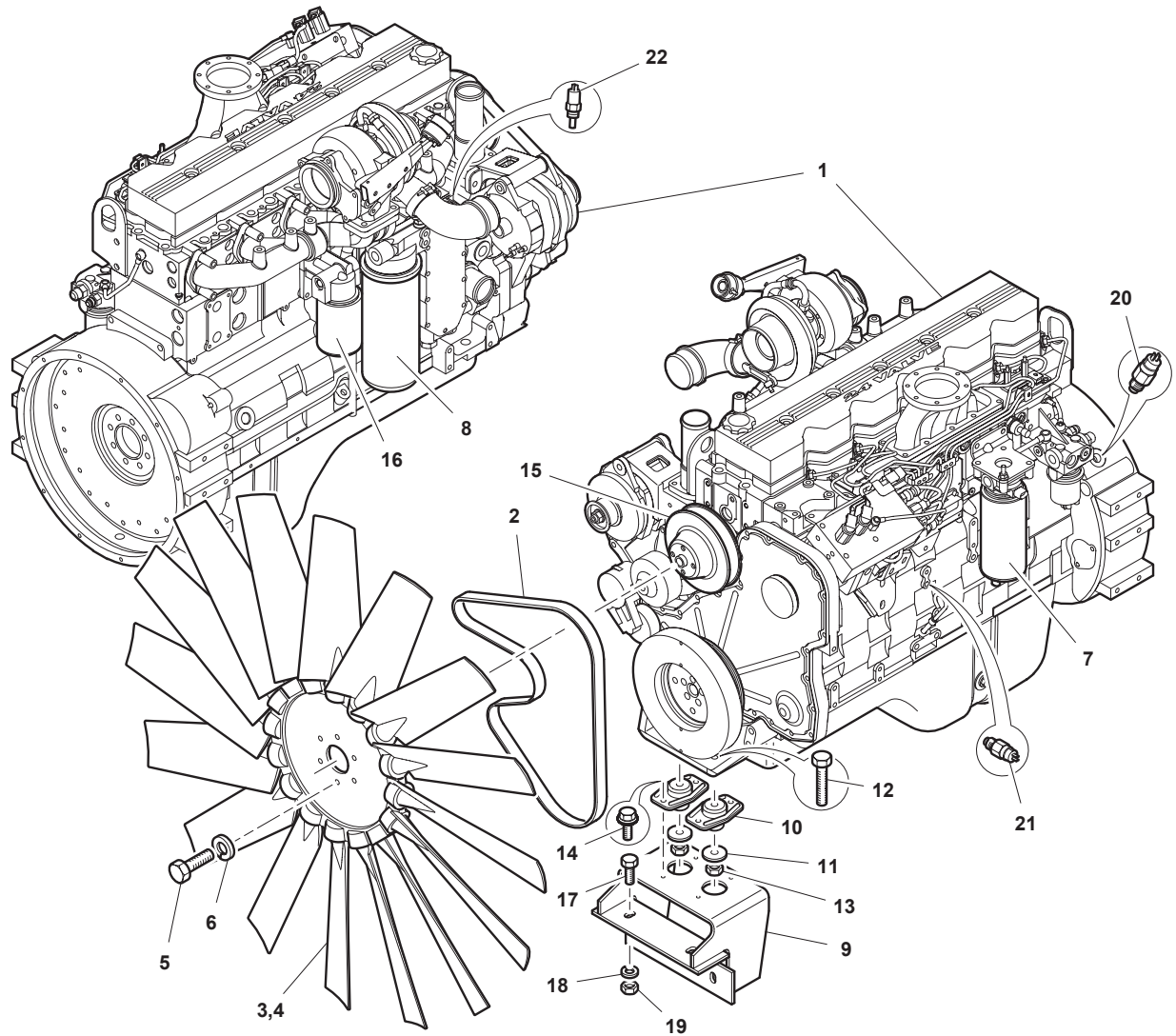
High Speed Running Gear



22560866_029_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
11	--	Brake B, Right Hand	1	Continued
12	--	Brake B, Left Hand	1	
13	35367044	Light, Side, Right Hand, Rear	1	
13a	36893634	Grommet	1	
14	54691557	Light, Rear, Right Hand	1	
15	36895860	Light, License Plate	1	
16	54671557	Light, Rear, Left Hand	1	
17	35367044	Light, Side, Rear, Left Hand	1	
17a	36893634	Grommet	1	

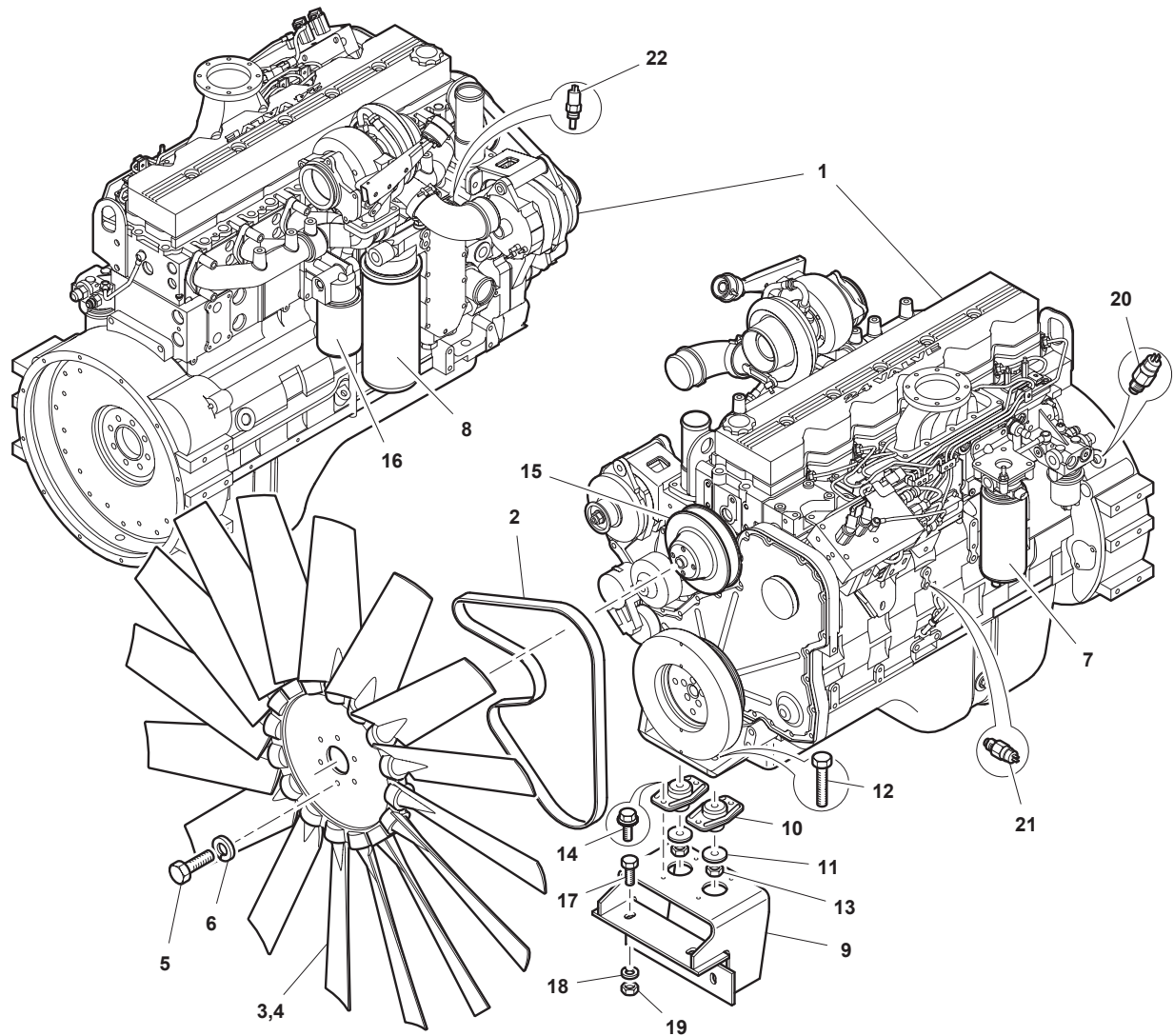
Engine Assembly - Cummins QSL 9



22560866_031_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22536924	Engine Cummins 300hp, MHP825, VHP750, HP915, XP1000, XHP700	1	Continued.....
2	22113039	Belt, Drive	1	
3	22126726	Fan	1	
4	N.S.S	Blade, Fan	8	
5a	36880995	Screw, Drive to Engine	4	
5b	96702295	Screw, Fan to Drive	4	
6	95935037	Washer	6	
7	22177711	Filter, Fuel	1	
8	22177737	Filter, Oil	1	
9	22092670	Bracket	1	
10	36500197	Mount	2	
11	54429295	Washer, Snubber	2	
12	96739958	Screw	2	

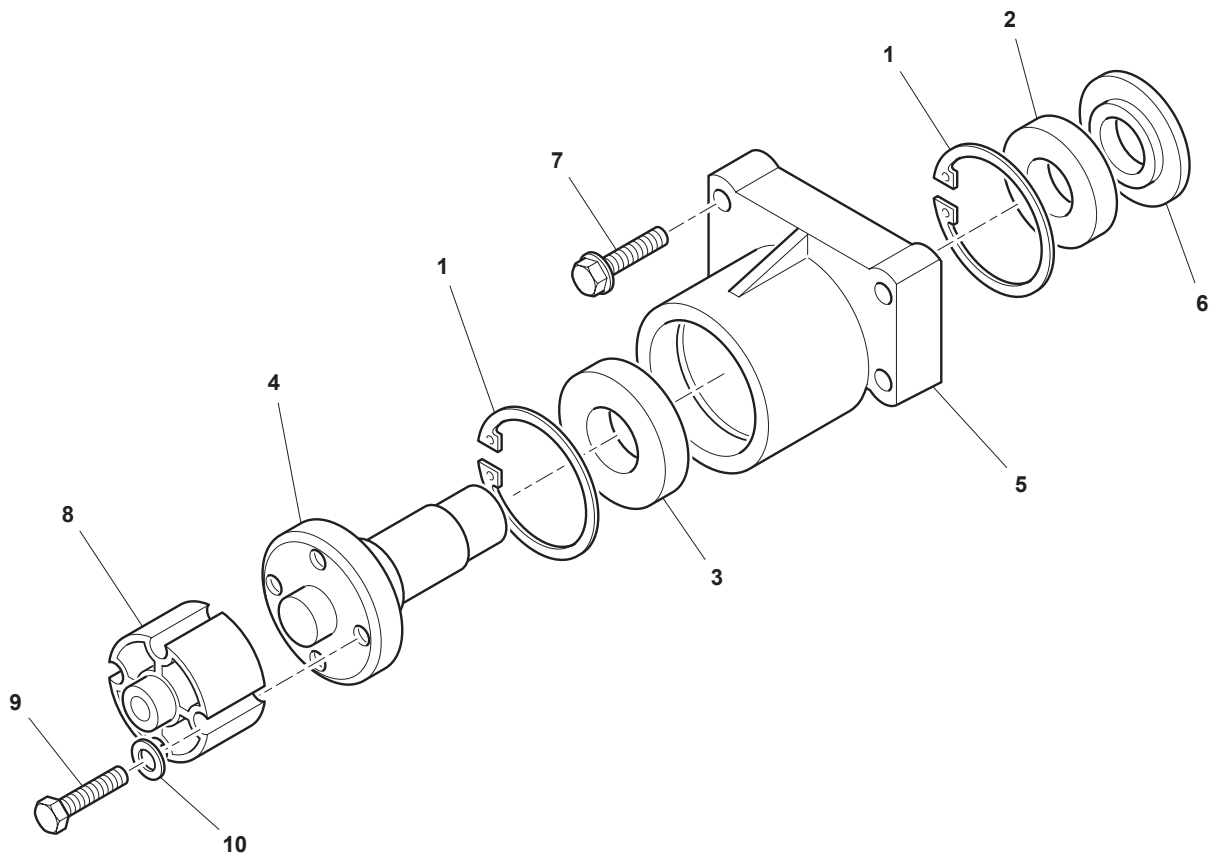
Engine Assembly - Cummins QSL 9



22560866_031_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
13	35304047	Nut	2	Continued
14	35279025	Screw	4	
15	22113047	Pulley	1	
15a	22213011	Horton Fan Drive	1	
16	22177745	Conditioner, Coolant	1	
17	96712187	Screw	4	
18	95935003	Washer	4	
19	36879203	Nut	4	
20	36785319	Pickup, Mag Speed	1	
21	36870608	Sending Unit, Engine Oil Pressure Gauge	1	
22	36841138	Sending Unit, Engine Coolant Temperature Gauge	1	

Fan Drive, Cummins

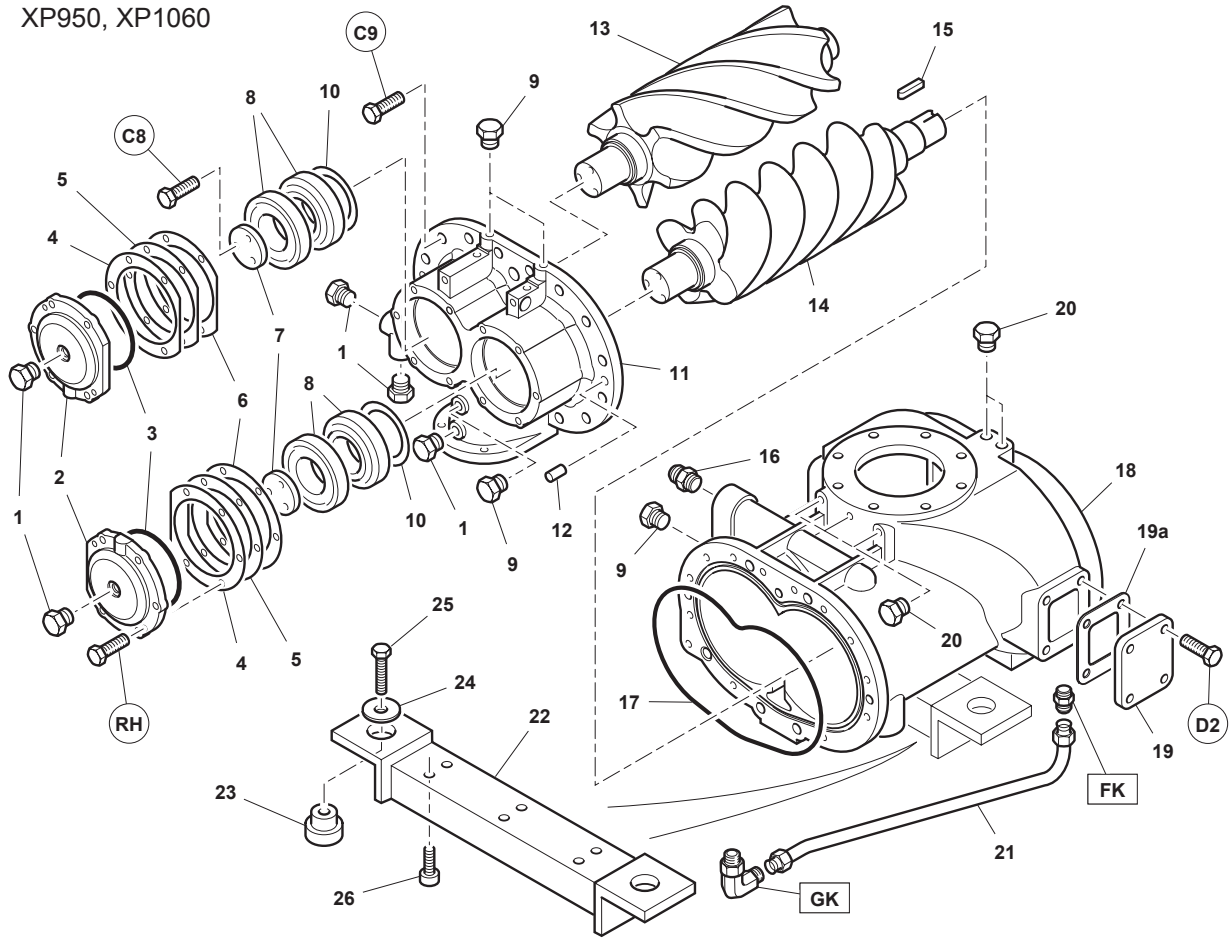


22560866_033_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-6	22213011	Assembly, Fan Support	1	
1	15900657	Ring, Retaining	2	
2	N.S.S.	Bearing	1	
3	N.S.S.	Bearing	1	
4	N.S.S.	Hub	1	
5	N.S.S.	Support	1	
6	15900665	Retainer	1	
7	36880995	Screw	4	
8	15902612	Spacer	1	
9	96702295	Screw	4	
10	95935037	Washer	4	

Airend Assembly

9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935,
XP950, XP1060

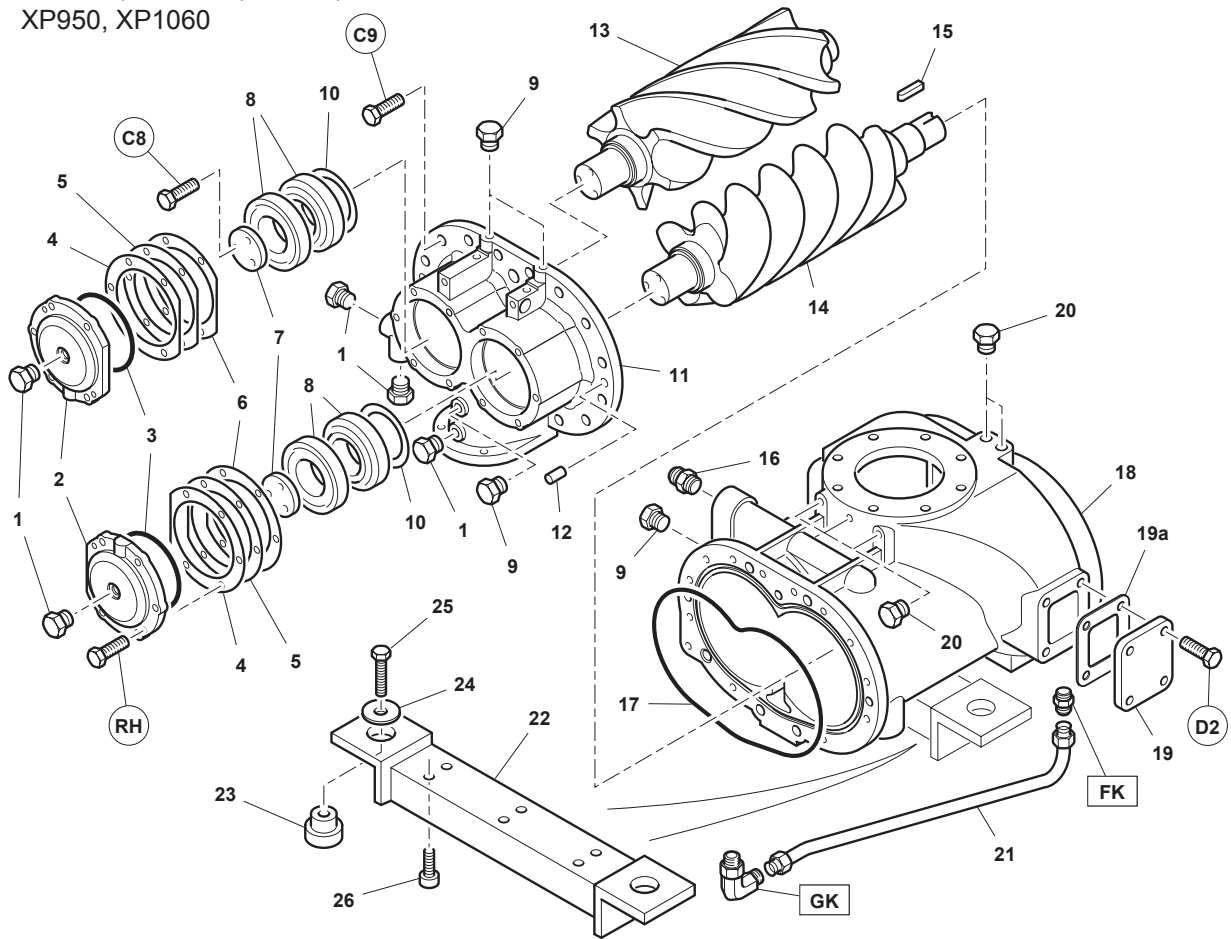


22560866_034_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-20	42437525	Airend (Bare)	1	
1	95938213	Plug	5	
2	39891486	Cover	2	
3	95023388	O-Ring	2	
4	39326780	Shim	4	
5	39326798	Shim	6	
6	39326806	Shim	4	
7	39436977	Retainer	2	
8	39437686	Bearing	4	
9	39330626	Orifice	5	
10	35299361	Shim Set	2	
11	39890553	Housing	1	
12	35295336	Pin, Locating	2	Continued.....

Airend Assembly

9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935,
XP950, XP1060

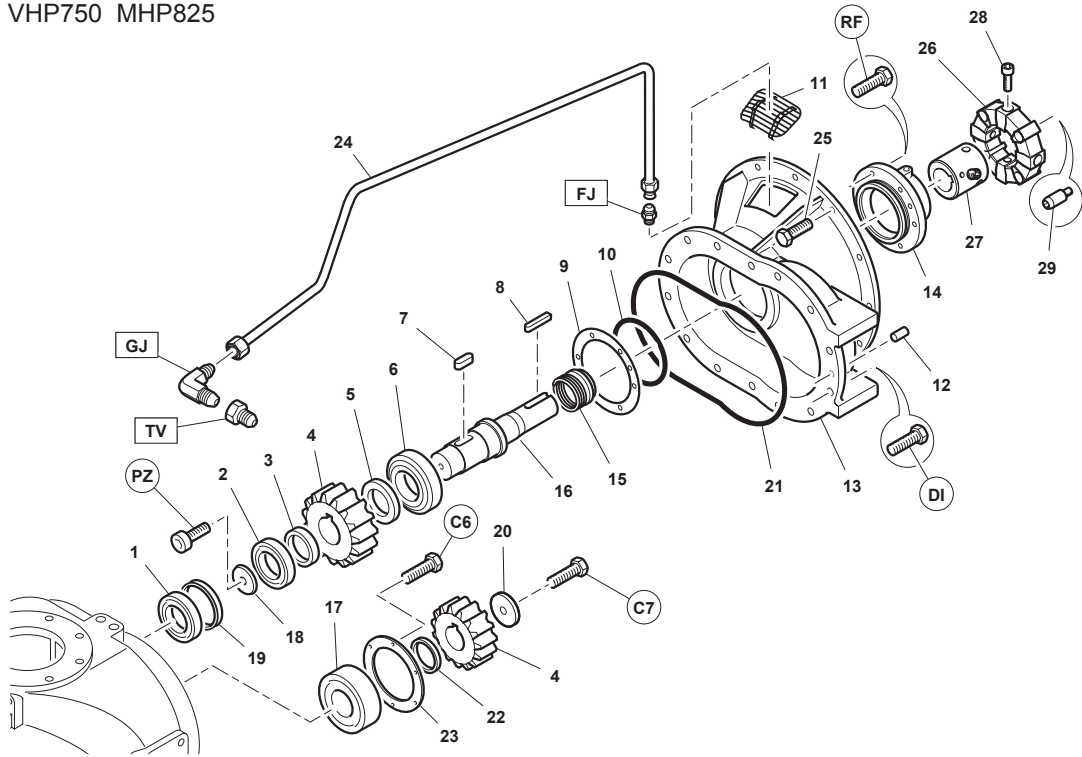


22560866_034_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
13-14	36005031	Rotor Set	1	Continued
15	35361310	Key	1	
16	89209717	Connector	1	
17	39253984	O-Ring	1	
18	39889720	Housing	1	
19	39326756	Cover	2	
19a	39925367	Gasket	2	
20	95938205	Plug	8	
21	39911284	Tube Assembly	1	
22	22075592	Bracket	1	
23	92894518	Mount	2	
24	35273937	Washer	2	
25	92495597	Bolt	2	
26	35358274	Screw	4	

Airend Assembly

VHP750 MHP825



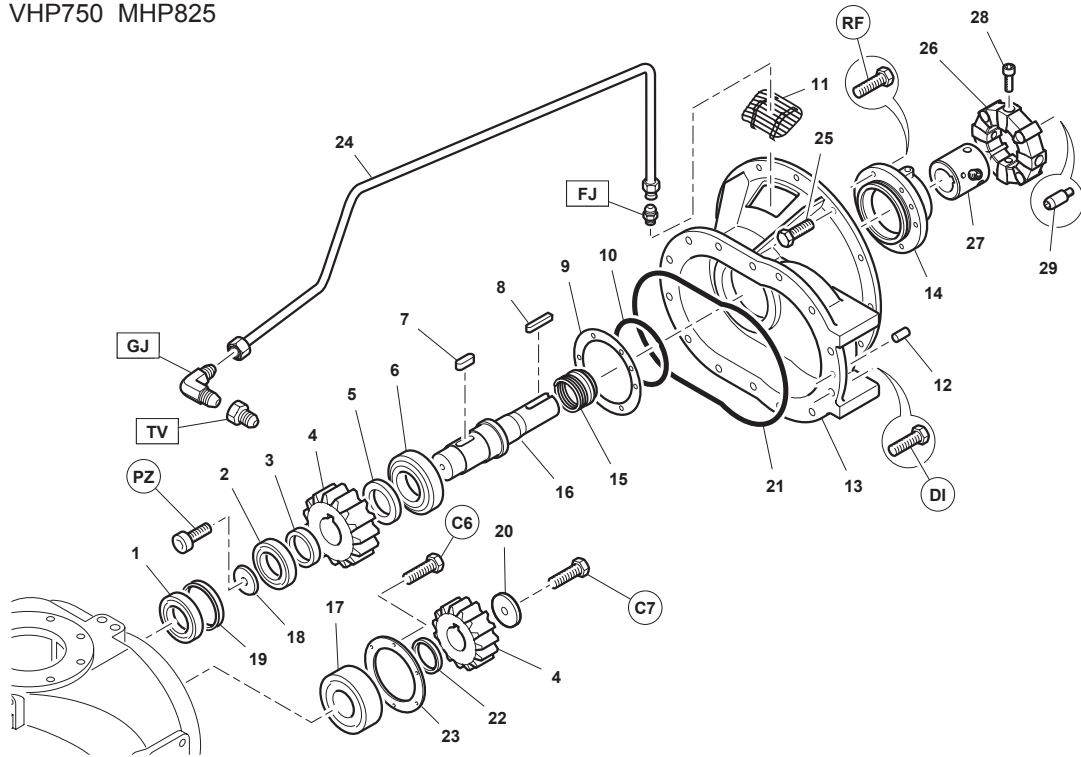
Model		Gear set	Airend complete including gears
XP1000		36893378	42455378
HP915		35296011	42455337
12/235	MHP825	36740546	42437590
—	VHP750	35334853	42437582

22560866_036_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35313568	Bearing	1	Continued.....
2	36854925	Bearing	1	
3	36851618	Spacer	1	
4	--	Gear-Set (Refer to Table)		
5	36846418	Spacer	1	
6	36846426	Bearing	1	
7	35361328	Key	1	
8	35364975	Key	1	
9	36846442	Shim	1	
10	95358164	O-Ring	1	
11	36798361	Guard, Top	1	
11a	36798346	Guard, Bottom	1	
12	95239927	Pin, Locating	2	
13	36851459	Gear Case	1	
14	36507515	Cover	1	
15	35593508	Seal, Shaft	1	

Airend Assembly

VHP750 MHP825

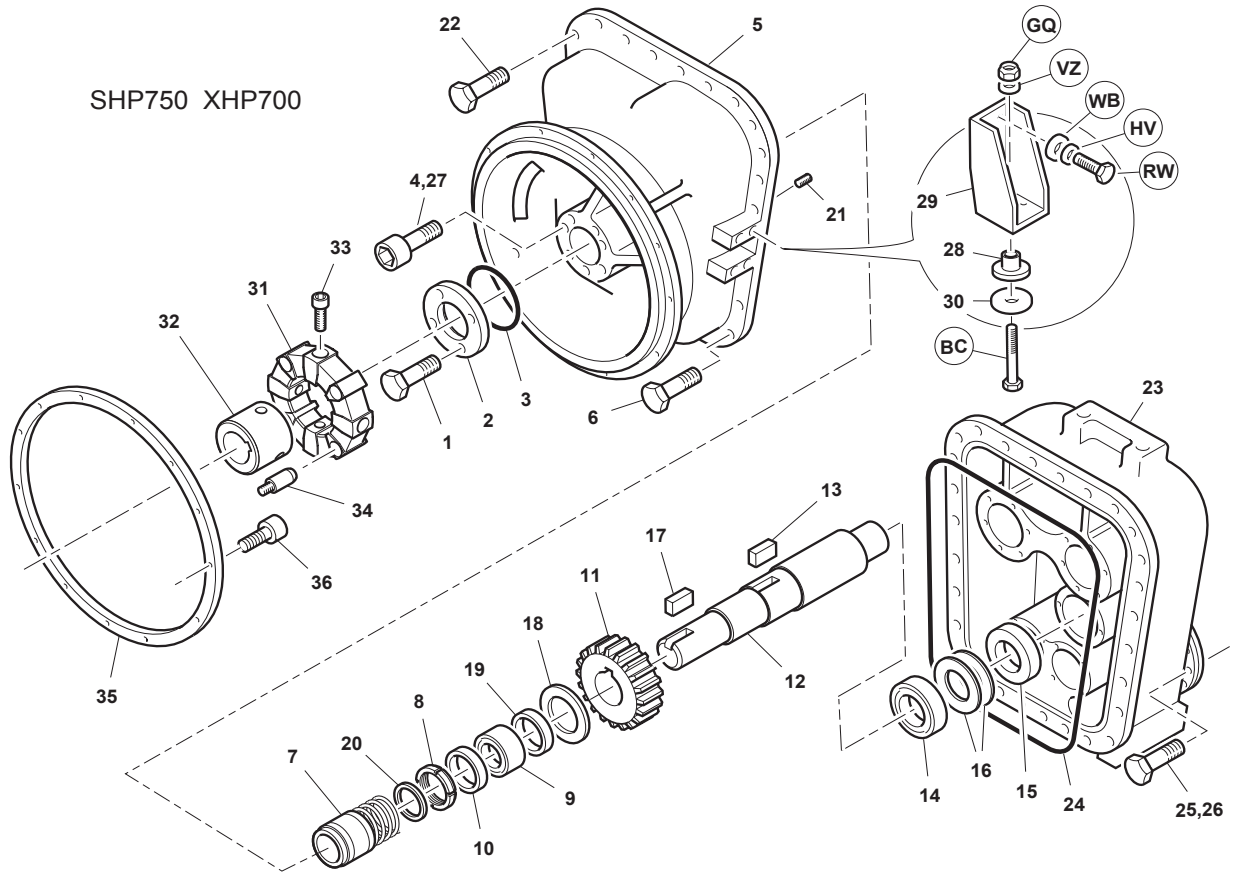


Model		Gear set	Airend complete including gears
XP1000		36893378	42455378
HP915		35296011	42455337
12/235	MHP825	36740546	42437590
—	VHP750	35334853	42437582

22560866_036_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
16	36846400	Shaft	1	Continued
17	39322706	Bearing	1	
18	36764785	Cap	1	
19	35262963	Spacer	1	
20	35255819	Clamp	1	
21	39253992	O-Ring	1	
22	39326483	Spacer	1	
23	39326749	Ring, Retaining	1	
24	39911292	Tube Assembly	1	
25	36880995	Screw	12	
26-28	54400031	Coupling, Assembly	1	
26	92041441	Coupling, Element	1	
27	54400049	Hub	1	
28	92041466	Bolt	4	
29	92041458	Pin	4	

Airend Assembly

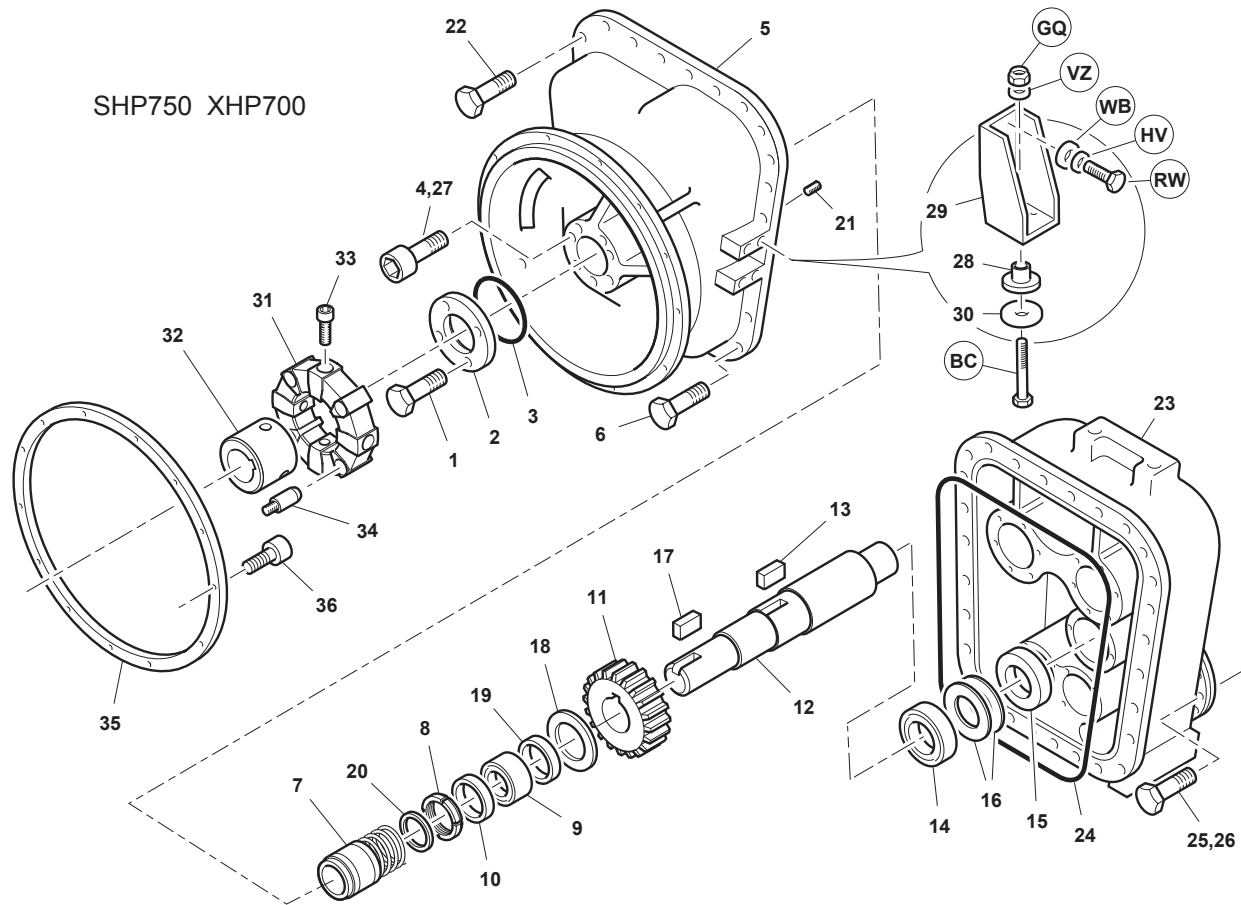


Model	Airend complete including gears	Gear set
SHP750	35096205	36763183
XHP700	35089879	36750651

22560866_038_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	92304435	Bolt	4	
2	35856467	Cover	1	
3	95022372	O-Ring	1	
4	35361286	Bolt	3	
5	36750909	Gear Case	1	
6	35318146	Bolt	18	
7	36865772	Seal	1	
8	35104082	Locknut	1	
9	35610195	Bearing	1	
10	35372002	Spacer	1	
11	--	Gear-Set (Refer to Table)		
12	36504116	Drive Shaft	1	
13	35355809	Key	1	
14	35610203	Bearing	1	Continued.....

Airend Assembly

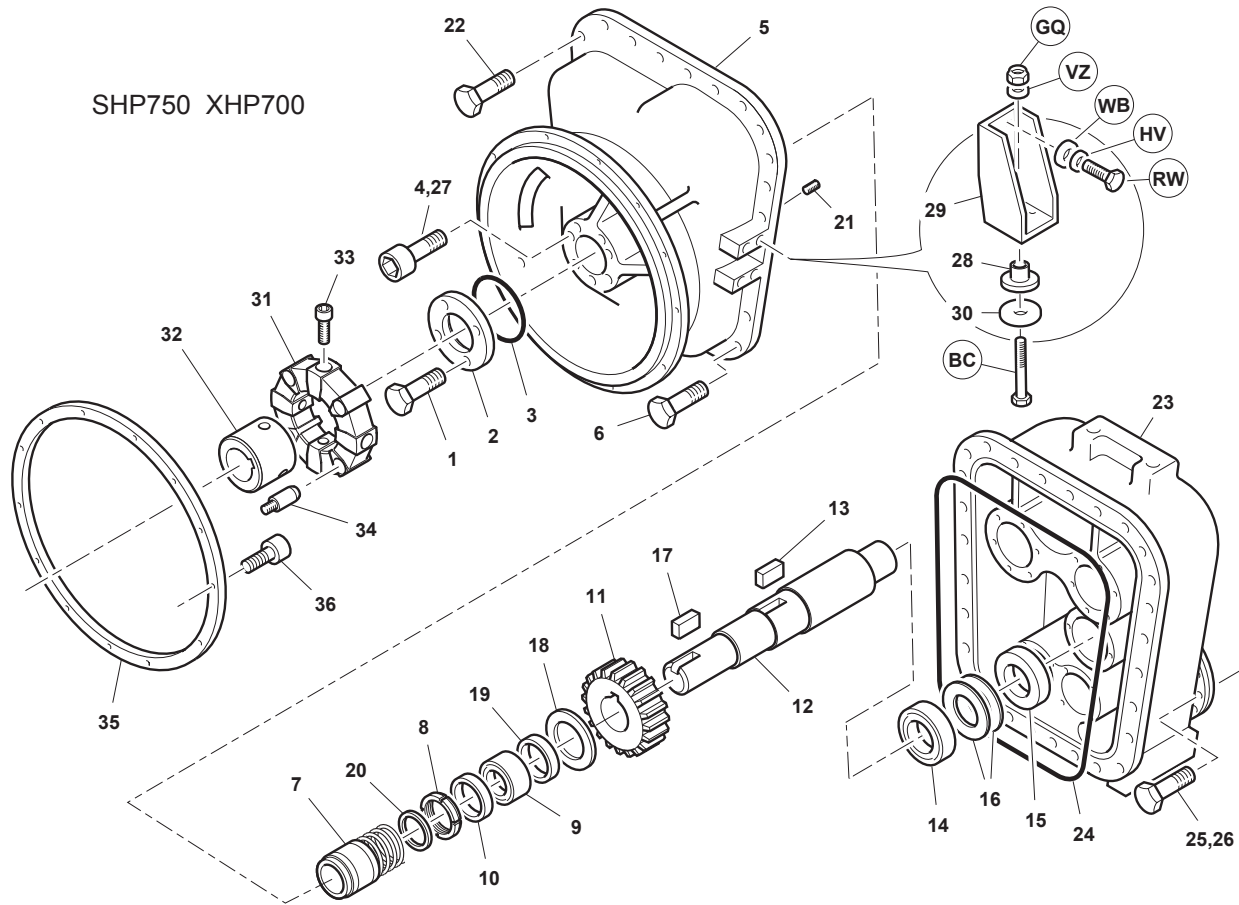


Model	Airend complete including gears	Gear set
SHP750	35096205	36763183
XHP700	35089879	36750651

22560866_038_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
15	35372010	Spacer	1	Continued
16	35372028	Shim Set	1	
17	92707801	Key	1	
18	35610153	Plate, Retaining	1	
19	35371996	Spacer	1	
20	35337583	Spacer	1	
21	35336122	Pin, Locating	1	
22	35272541	Bolt	1	
23	36737161	Housing	1	
24	35355775	O-Ring	1	
25	35271139	Bolt	1	
26	35272533	Bolt	1	
*27	39101449	Plug	4	
				Continued.....

Airend Assembly



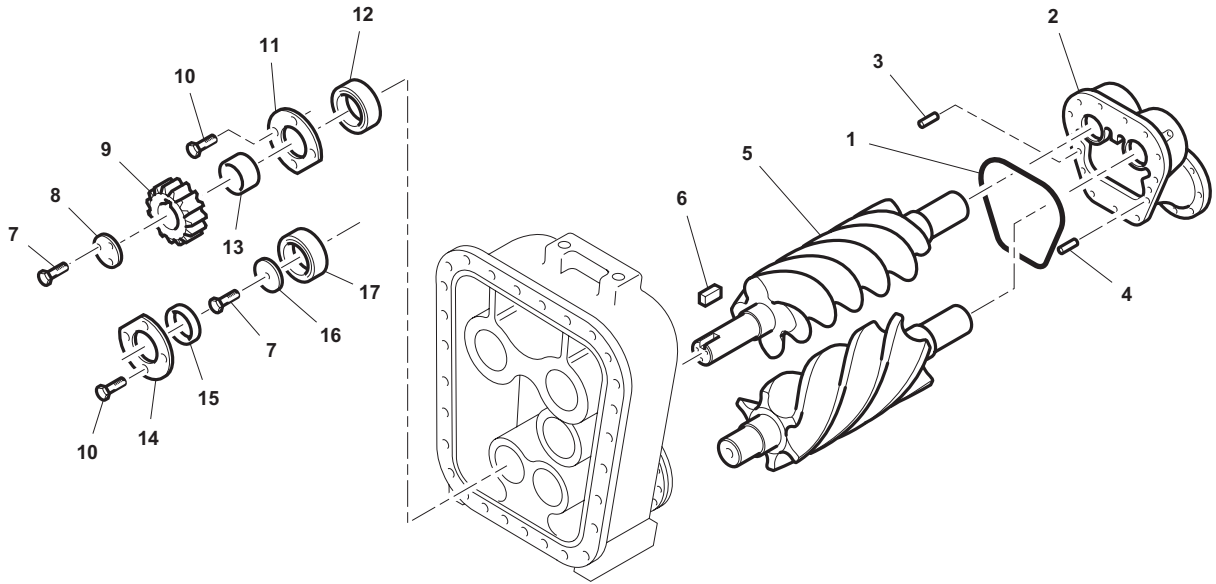
Model	Airend complete including gears	Gear set
SHP750	35096205	36763183
XHP700	35089879	36750651

22560866_038_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
28	92894518	Mount	2	 <i>Continued</i>
29	22075279	Bracket, RH	1	
*29a	22075287	Bracket, LH	1	
30	35273937	Washer, Snubber	2	
31-33	22362933	Coupling, Assembly	1	
31	92041441	Coupling, Element	1	
32	22362941	Hub	1	
33	92041466	Bolt	4	
34	92041458	Pin	4	
35	22065973	Plate, Adaptor	1	
36	36880995	Screw	12	

Airend Assembly

17/235, 21/215
SHP825, XHP750, XHP650

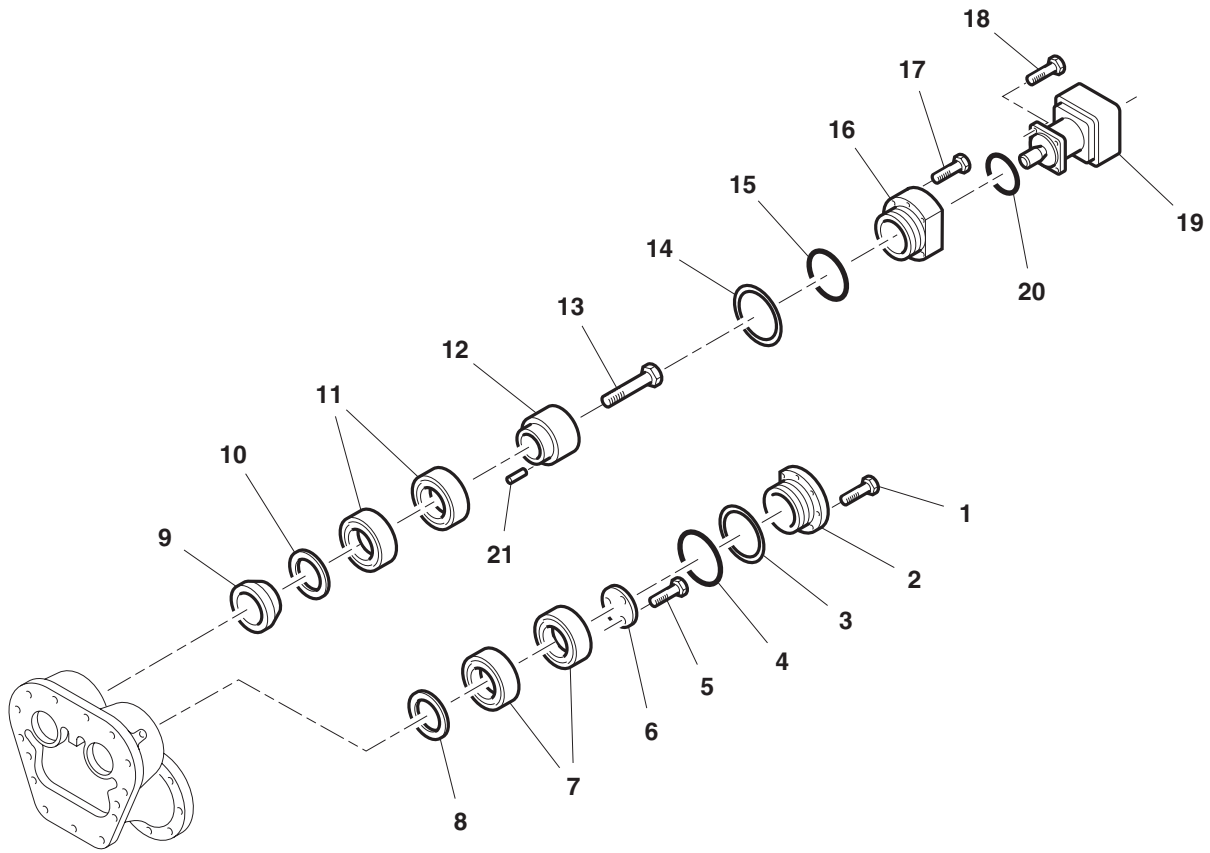


Model	Airend complete including gears	Gear set
SHP750	35096205	36763183
XHP700	35089879	36750651

22560866_041_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35355791	O-Ring	1	
2	36738128	Housing	1	
3	35336122	Dowel	1	
4	35336130	Dowel	1	
5	36006732	Rotor Set	1	
6	35355817	Key	1	
7	35311463	Bolt	4	
8	35300193	Plate	1	
9	--	Gear-Set (Refer to Table)		
10	35273408	Bolt	8	
11	35355965	Plate, Retaining	1	
12	35600022	Bearing	1	
13	35355866	Spacer	1	
14	35355999	Plate, Retaining	1	
15	35355973	Spacer	1	
16	35300201	Plate	1	
17	35600014	Bearing	1	

Airend Assembly

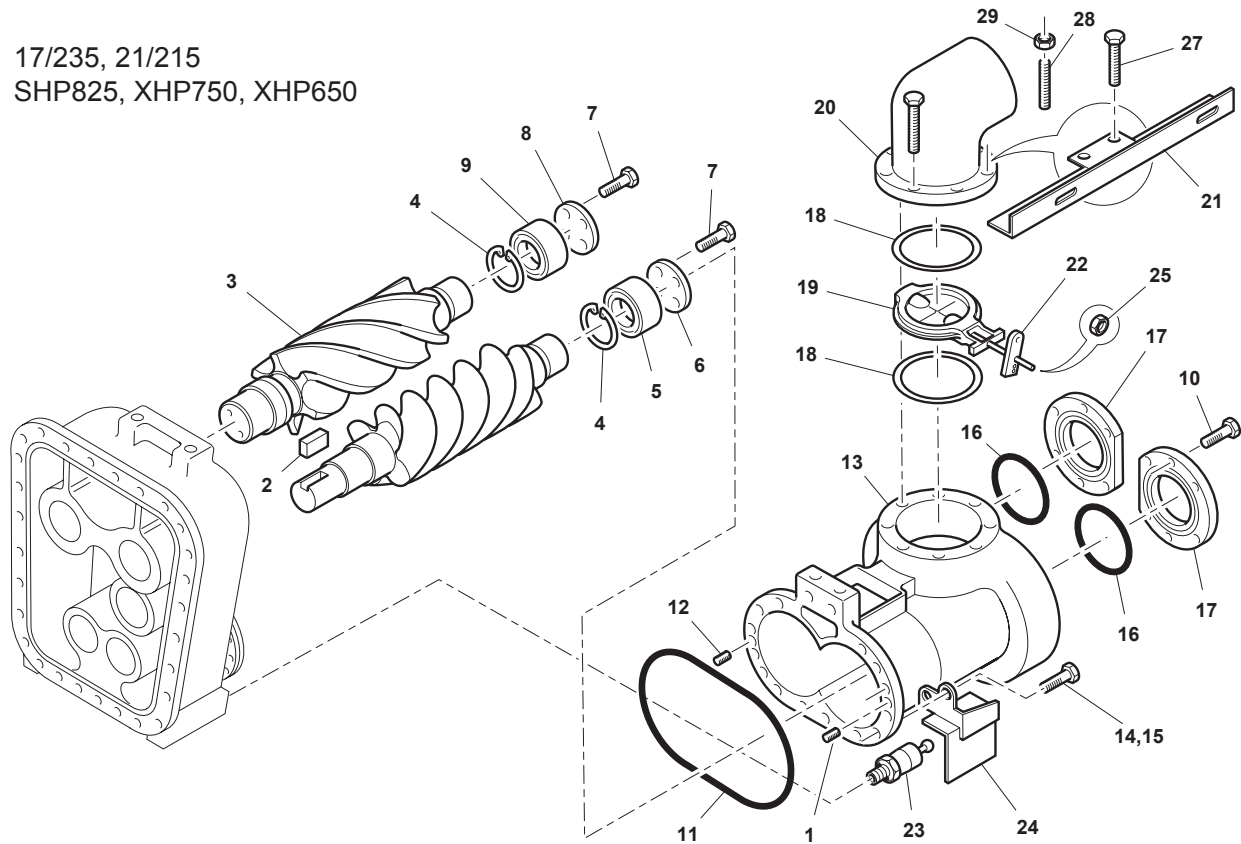


22560866_042_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35271188	Bolt	1	
2	35856350	Cover	1	
3	35355924	Shim Set	1	
4	95026290	O-Ring	1	
5	35311463	Bolt	1	
6	35355957	Plate	1	
7	35600113	Bearing	2	
8	35355874	Shim Set	1	
9	35355940	Piston	1	
10	35355874	Shim Set	1	
11	35600113	Bearing	2	
12	35864644	Coupling	1	
13	35369438	Bolt	1	
14	35355916	Shim Set	1	
15	95026290	O-Ring	1	
16	36500734	Cover	1	
17	39125000	Bolt	1	
18	35272533	Bolt	1	
19	35366657	Pump	1	
20	95000410	O-Ring	1	
21	95069522	Dowel	1	

Airend Assembly

17/235, 21/215
SHP825, XHP750, XHP650

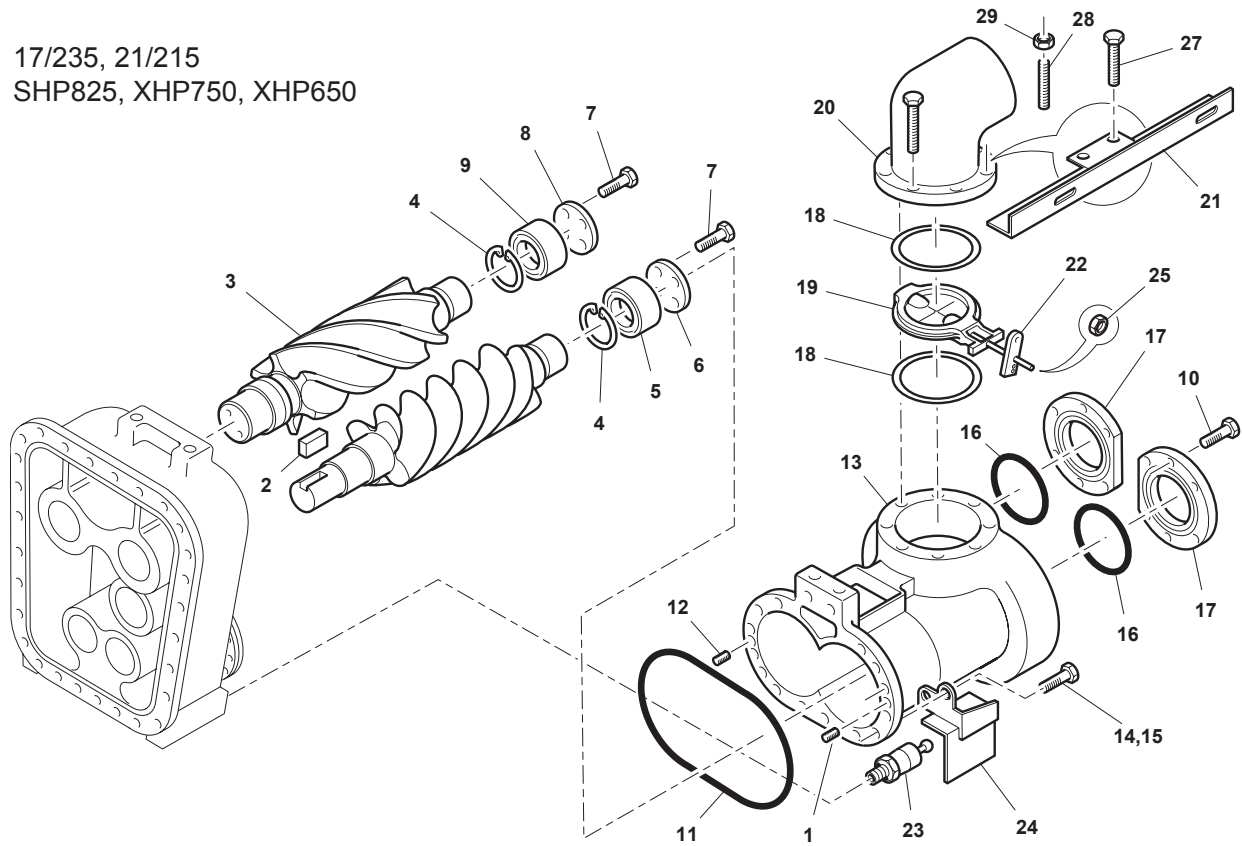


22560866_043_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35336122	Dowel	1	
2	35355817	Key	1	
3	35082114	Rotor Set	1	
4	95223178	Circlip	2	
5	35600030	Bearing	1	
6	35300193	Plate	1	
7	35311463	Bolt	8	
8	35300193	Plate	1	
9	35600022	Bearing	1	
10	35366251	Bolt	12	
11	35355783	O-Ring	1	
12	35336130	Dowel	1	
13	36738797	Housing	1	
14	35356039	Bolt	16	
15	35295344	Bolt	16	Continued.....

Airend Assembly

17/235, 21/215
SHP825, XHP750, XHP650

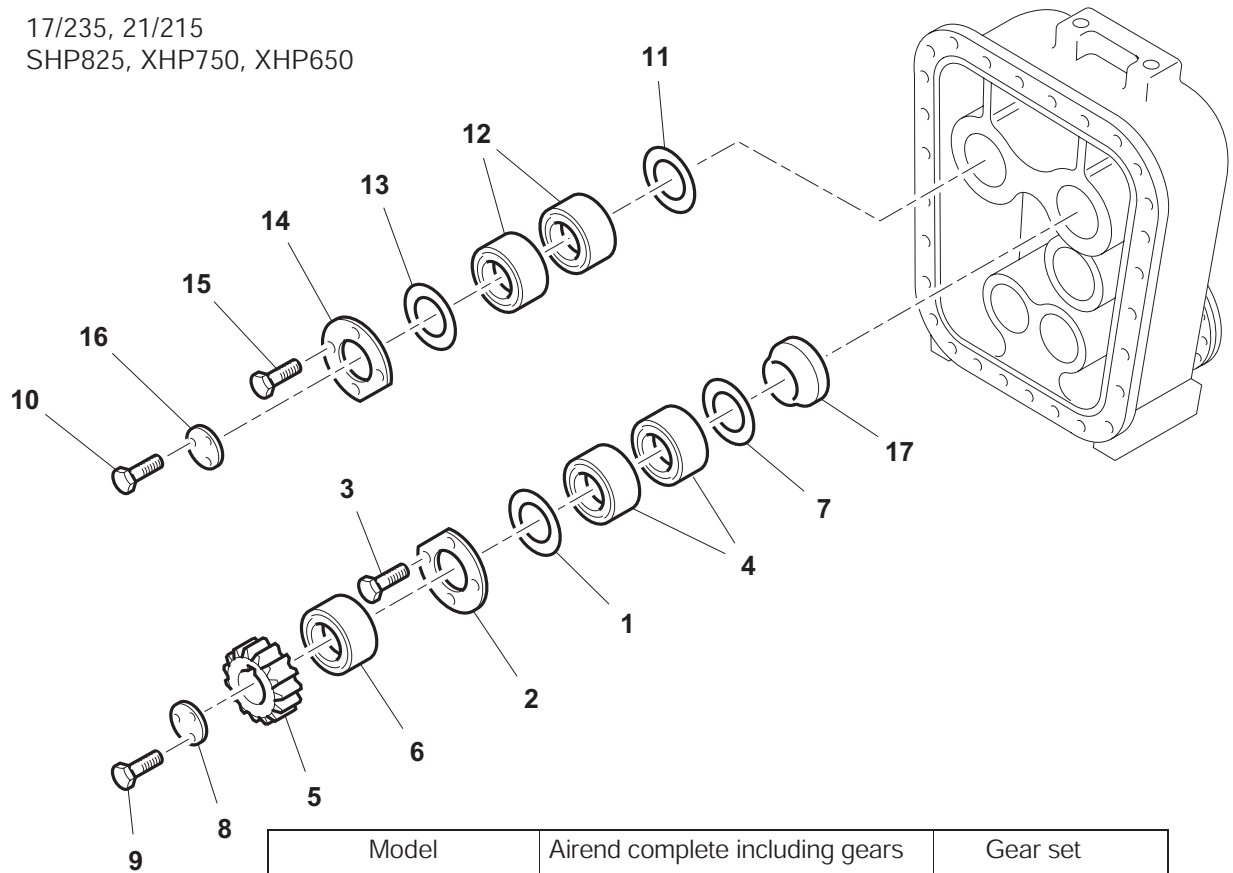


22560866_043_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
16	35355502	O-Ring	2	Continued
17	35331883	Plate	2	
18	95214524	Gasket	2	
19	35285626	Valve	1	
20	22075295	Flange	1	
21	89201768	Bracket	1	
22	89252126	Lever	1	
23	36845030	Valve, Safety	1	
24	36845048	Cover	1	
25	92421353	Nut	1	
26	92764372	Screw	6	
27	96700919	Screw	2	
28	96790717	Stud	2	
29	33297340	Nut	2	

Airend Assembly

17/235, 21/215
SHP825, XHP750, XHP650



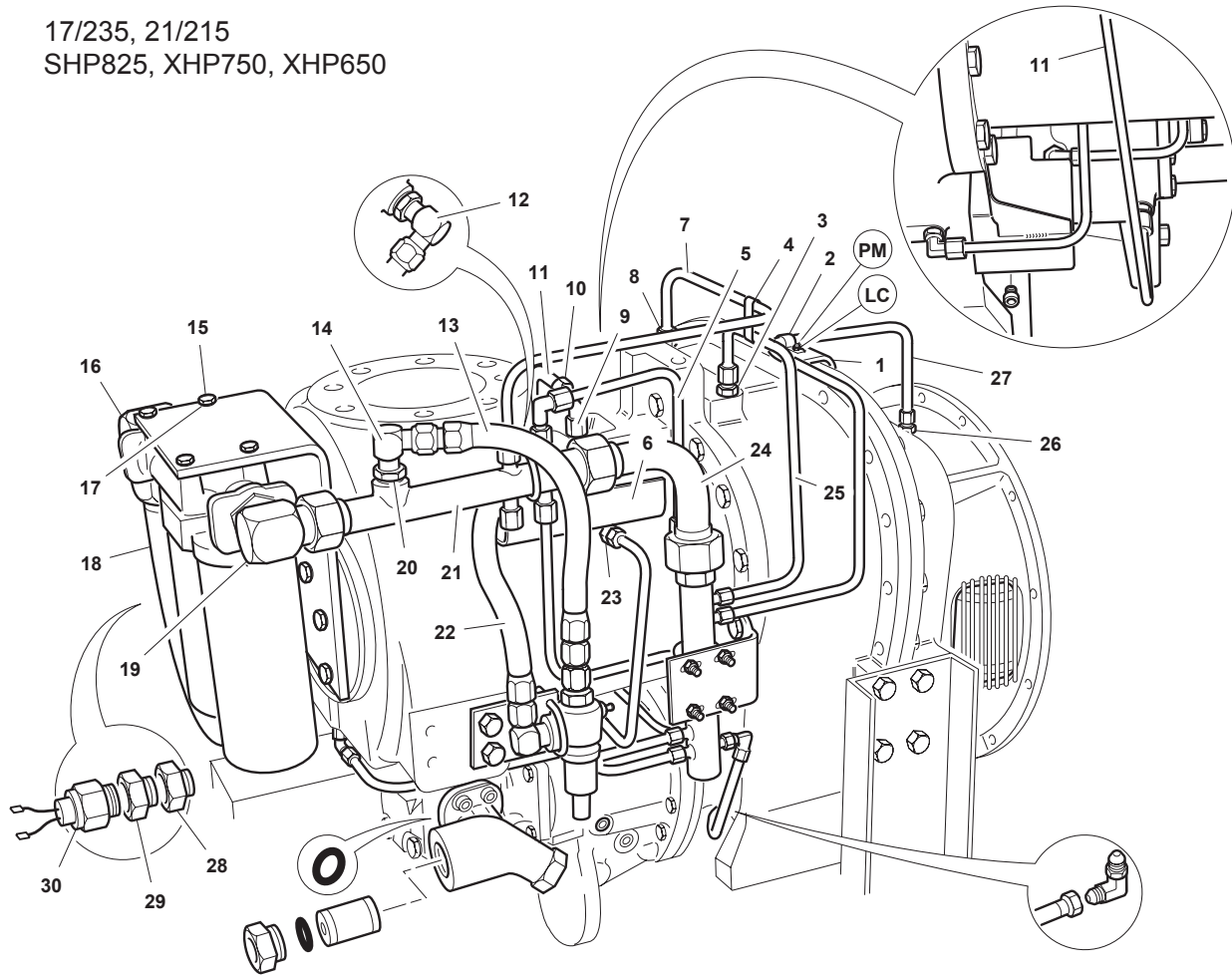
Model		Airend complete including gears	Gear set
21/215	SHP750	35096205	36763183
17/235	XHP700	35089879	36750651

22560866_045_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35355767	Shim Set	1	
2	36501013	Plate	1	
3	35271154	Bolt	6	
4	35605203	Bearing	2	
5	--	Gear-Set (Refer to Table)		
6	35355841	Spacer	1	
7	35355825	Shim Set	1	
8	35355858	Plate	1	
9	36763704	Bolt	3	
10	35311463	Bolt	3	
11	35355833	Shim Set	1	
12	35600105	Bearing	2	
13	35355767	Shim Set	1	
14	35856418	Plate, Retaining	1	
15	92304393	Bolt	6	
16	35300193	Plate	1	
17	35602457	Piston	1	

Airend Pipework

17/235, 21/215
SHP825, XHP750, XHP650

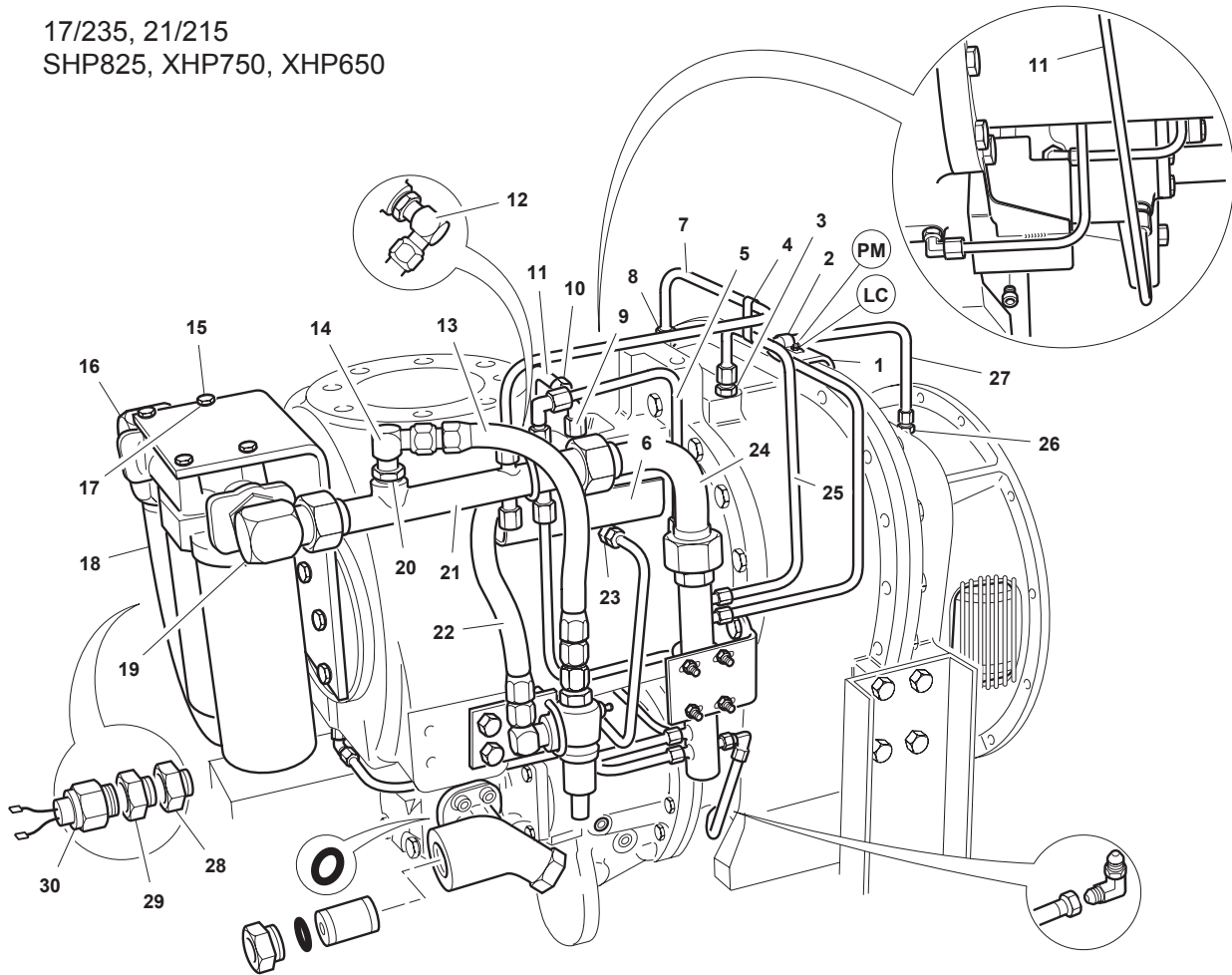


22560866_046_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35863885	Bracket	1	Continued.....
2	35253038	Clamp	1	
3	35364991	Connector	1	
4	35253038	Clamp	2	
5	36743797	Tube Assembly	1	
6	36746626	Bracket	1	
7	36850584	Tube Assembly	1	
8	35287895	Connector	1	
9	35294156	Connector	1	
10	35287911	Elbow	1	
11	36743896	Tube Assembly	1	
12	35294727	Elbow	1	
13	35287721	Hose Assembly	1	
14	35294735	Elbow	1	
15	92272368	Setscrew	4	

Airend Pipework

17/235, 21/215
SHP825, XHP750, XHP650

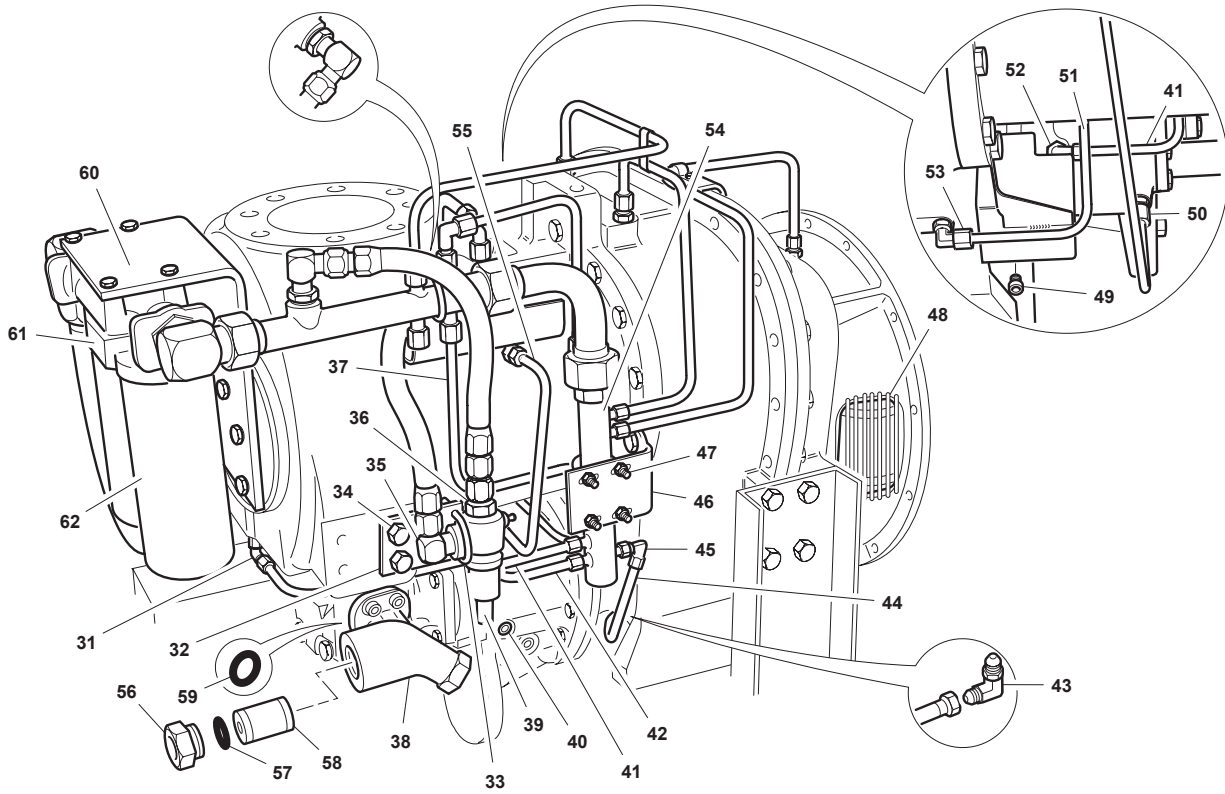


22560866_046_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
16	95431292	Elbow	1	Continued
17	92304617	Washer	4	
18	36758357	Tube Assembly	1	
19	95431292	Elbow	1	
20	95038048	Bush, Reducing	1	
21	36743722	Tube Assembly	1	
22	35294677	Hose Assembly	1	
23	35288166	Connector	1	
24	35861137	Elbow	1	
25	36743870	Tube Assembly	1	
26	35364991	Connector	1	
27	36745669	Tube Assembly	1	
28	35302314	Adaptor	1	
29	95930301	Bush, Reducing	1	
30	36757581	Switch, Oil Pressure	1	
				Continued.....

Airend Pipework

17/235, 21/215
SHP825, XHP750, XHP650

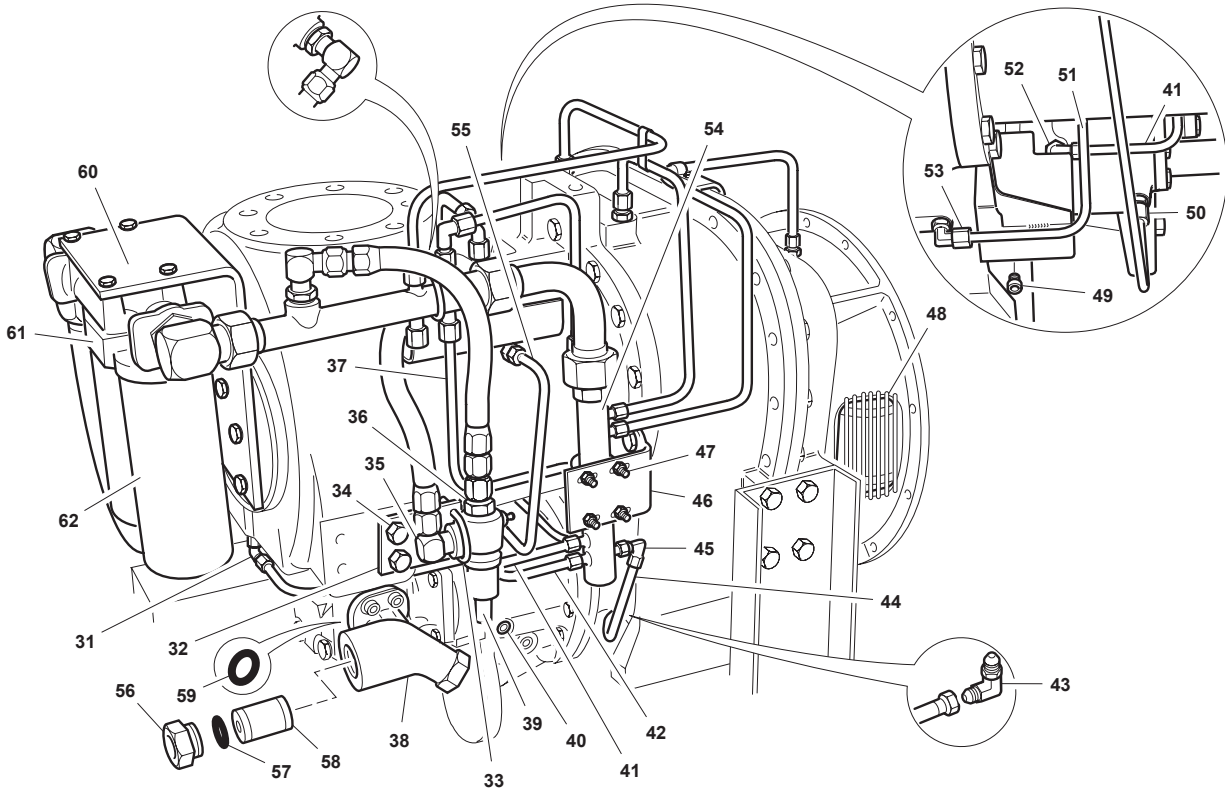


22560866_046_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
31	35606490	Elbow	1	
32	36846517	Bracket	1	
33	36506756	U-Bolt	1	
34	35309715	Screw	2	
35	35294735	Elbow	1	
36	95293320	Connector	1	
37	36743805	Tube Assembly	1	
38	35092279	Filter Assembly	1	
39	36846707	Valve, Safety	1	
40	35287556	Plug	1	
41	36743912	Tube Assembly	1	
42	36743920	Tube Assembly	1	
43	35606490	Elbow	1	
44	36748093	Tube Assembly	1	
45	35283068	Elbow	1	
46	36745792	Bracket	1	Continued.....

Airend Pipework

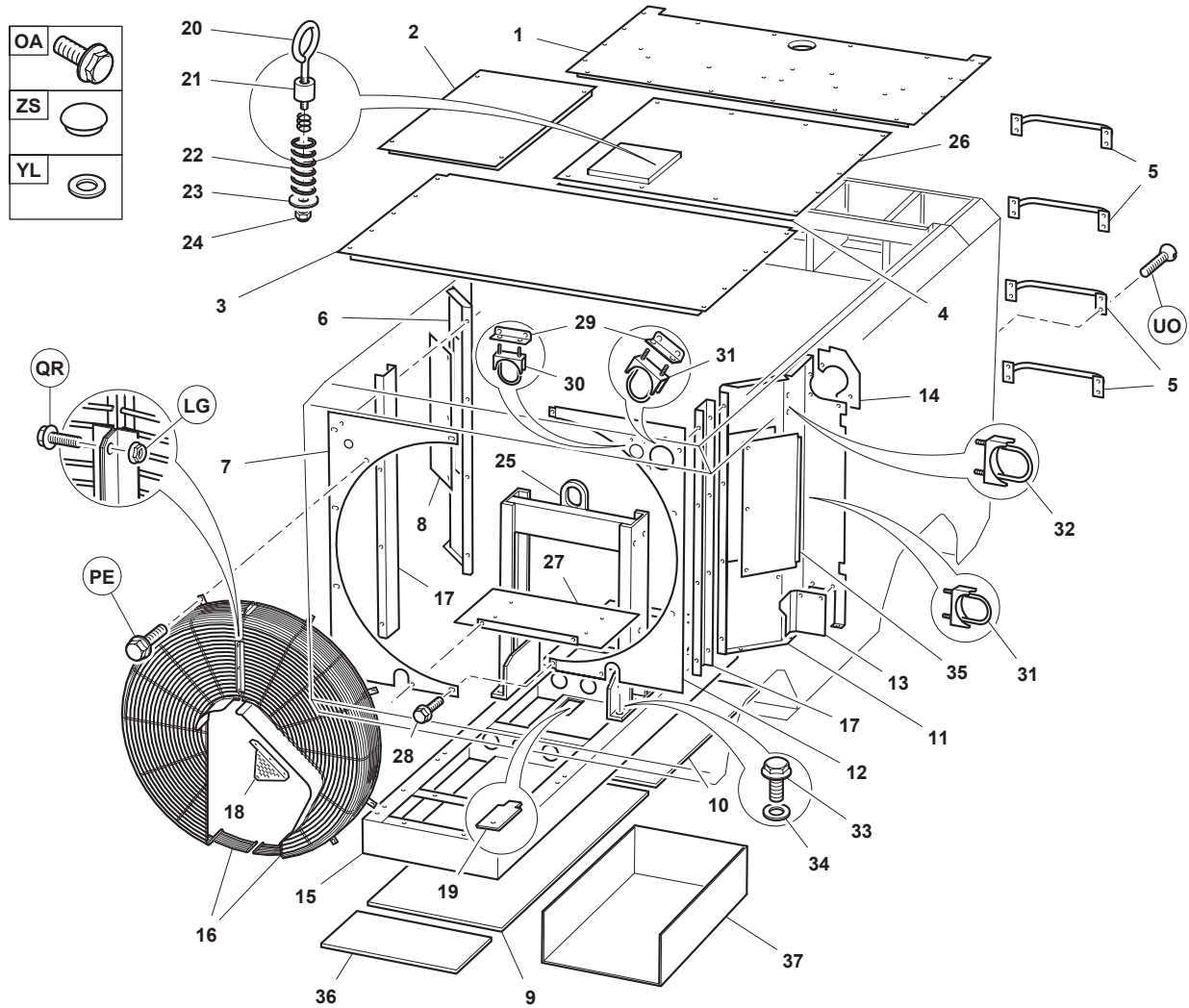
17/235, 21/215
SHP825, XHP750, XHP650



22560866_046_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
47	35306638	U-Bolt	2	Continued
48	36798205	Cover	1	
49	35287556	Plug	1	
50	35287895	Connector	1	
51	36743904	Tube Assembly	1	
52	35279827	Elbow	1	
53	35279827	Elbow	1	
54	36743961	Manifold	1	
55	36748101	Tube Assembly	1	
56	35609098	Plug	1	
57	35277797	O-Ring	1	
58	35370063	Element	1	
59	95357943	O-Ring	1	
60	36759447	Bracket	1	
61-62	36756120	Filter Assembly	1	
62	36860336	Element	2	

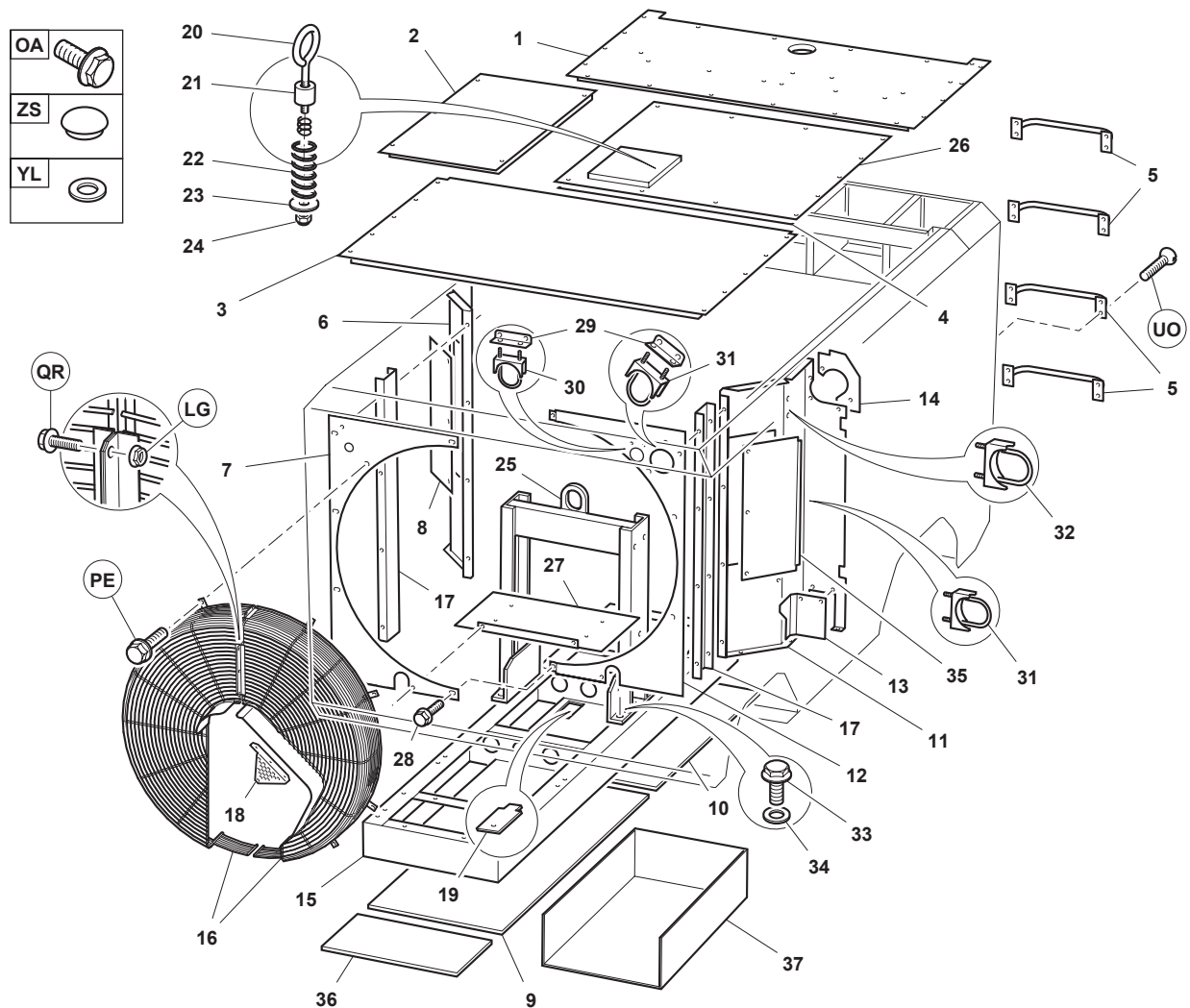
Enclosure



22560866_050_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22081988	Panel	1	
2	22123301	Panel	1	
3	22123095	Panel	1	
4	22267322	Angle, Cooler Seal	1	
5	89287957	Handrail	1	
6	22127492	Panel, Right Hand	1	
7	22281406	Panel, Right Hand, Orifice	1	
8	22181069	Panel, Cover, Right Hand	1	
9	22133425	Undertray (F)	1	
10	22132898	Undertray (R)	1	
11	22180897	Panel, Left Hand	1	
*11a	36889608	Screw	6	
*11b	36881886	Nut	6	
*11c	56797652	Screw		
12	22281398	Panel, Left Hand, Orifice	1	
13	22123418	Cover	1	Continued.....

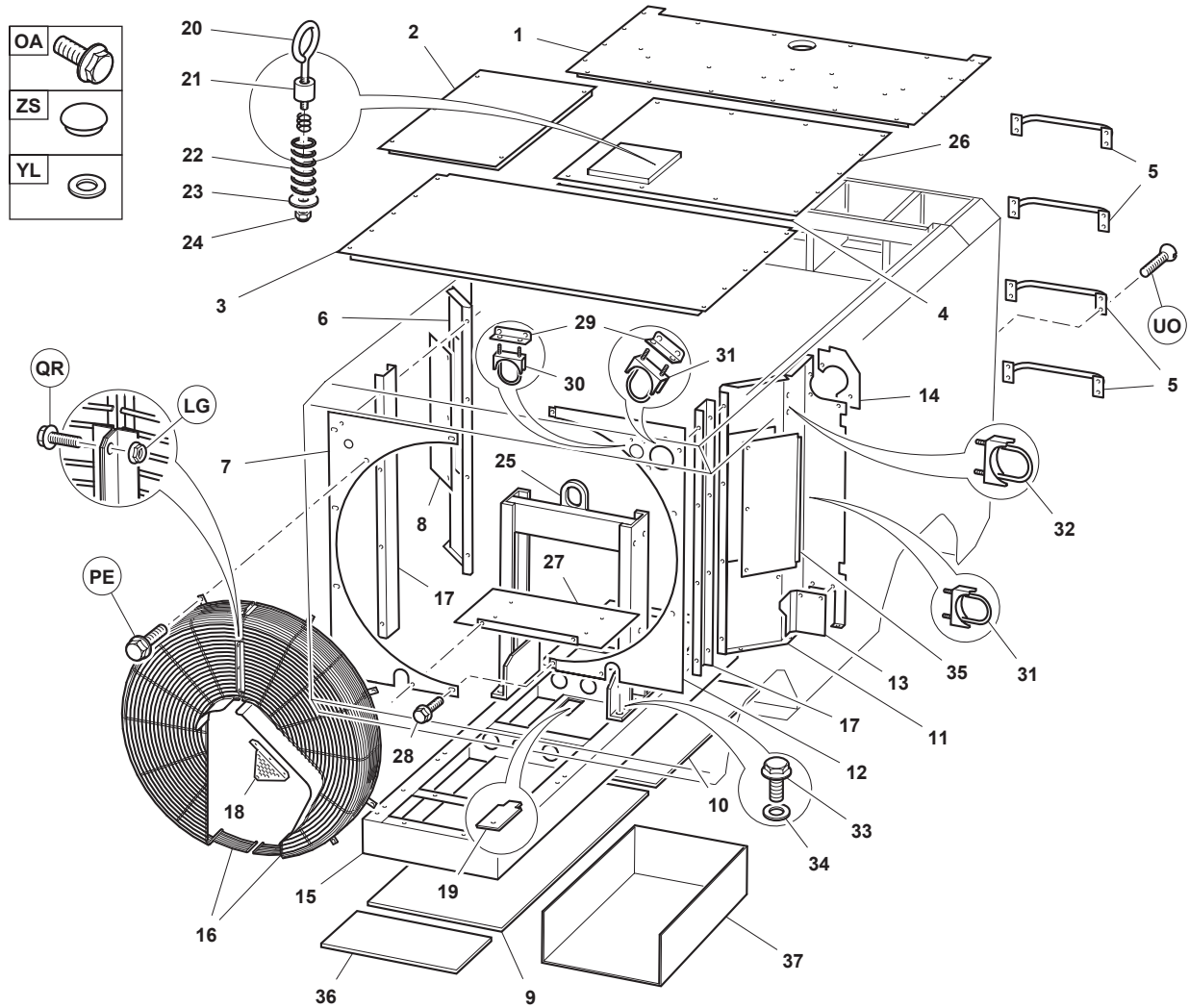
Enclosure



22560866_050_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
14	54657408	Cover (W) Machine	1	Continued
	22329817	Cover (HA) Machine	1	
15	54566781	Frame	1	
16	22105746	Guard	1	
17	22079651	Panel, Baffle Fan, Orifice	2	
18	22232185	Guard	1	
19	89299945	Cover	1	
20	89297600	Bolt, Eye	1	
21	89297618	Spacer	1	
22	89799840	Spring	1	
23	92042241	Washer, Nylon	1	
24	92304559	Locknut	1	
25	22150353	Bail, Lifting	1	
*25a	35272588	Screw	6	
				Continued.....

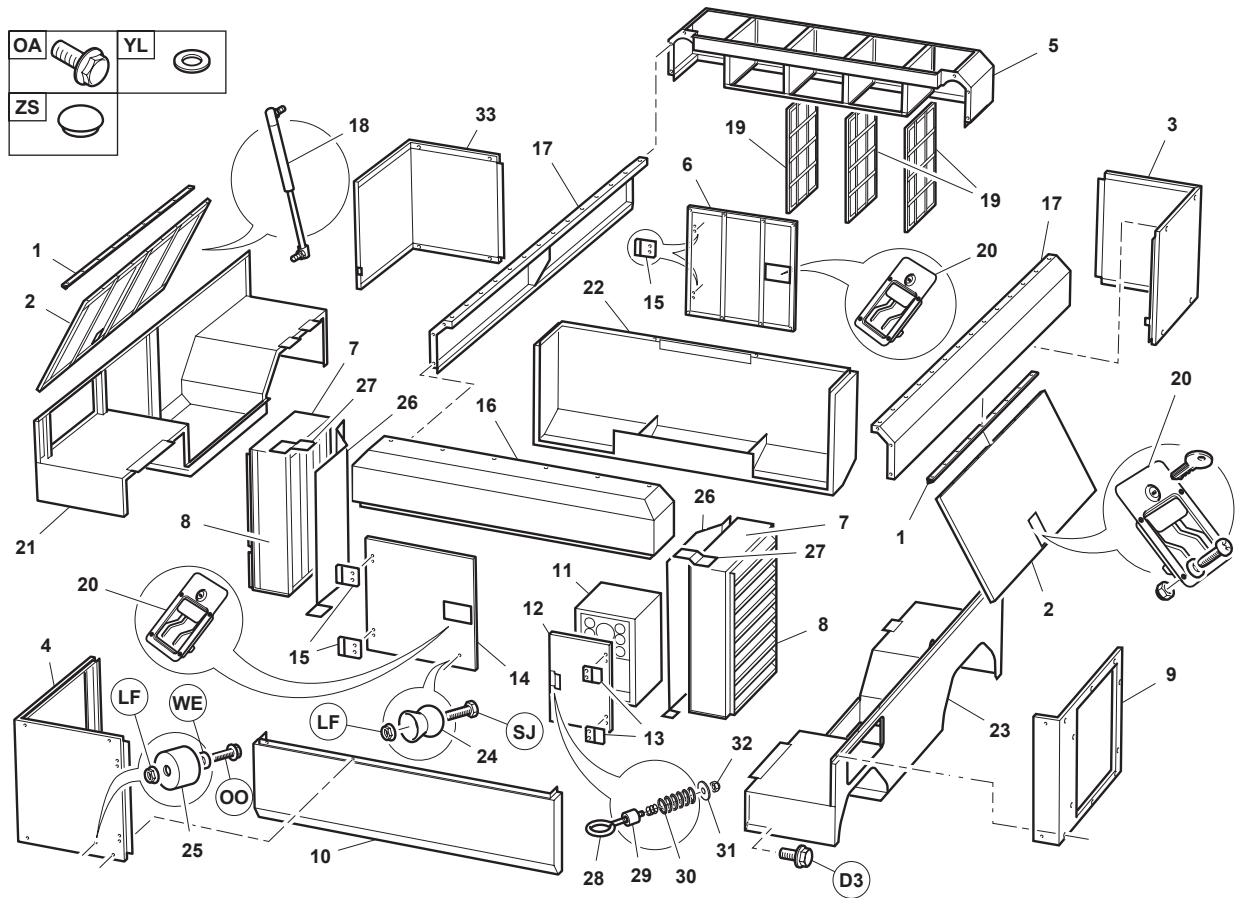
Enclosure



22560866_050_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
*25b	92391382	Washer	6	Continued
26	22123236	Panel	1	
*26a	22196786	Panel, Roof Muffler HA	1	
27	22079750	Panel, SRG	1	
	22280549	Panel, HSRG	1	
28	36889608	Screw	2	
29	22097448	Bracket	2	
30	35209048	Clamp	1	
31	35111731	Clamp	2	
32	35127653	Clamp	1	
33	35272558	Screw	6	
34	92391382	Washer	6	
35	22181077	Panel, Cover, Left Hand	1	
36	54571443	Undertray, Front, HSRG	1	
37	22132906	Airbox, SRG	1	
	22205942	Airbox, HSRG	1	

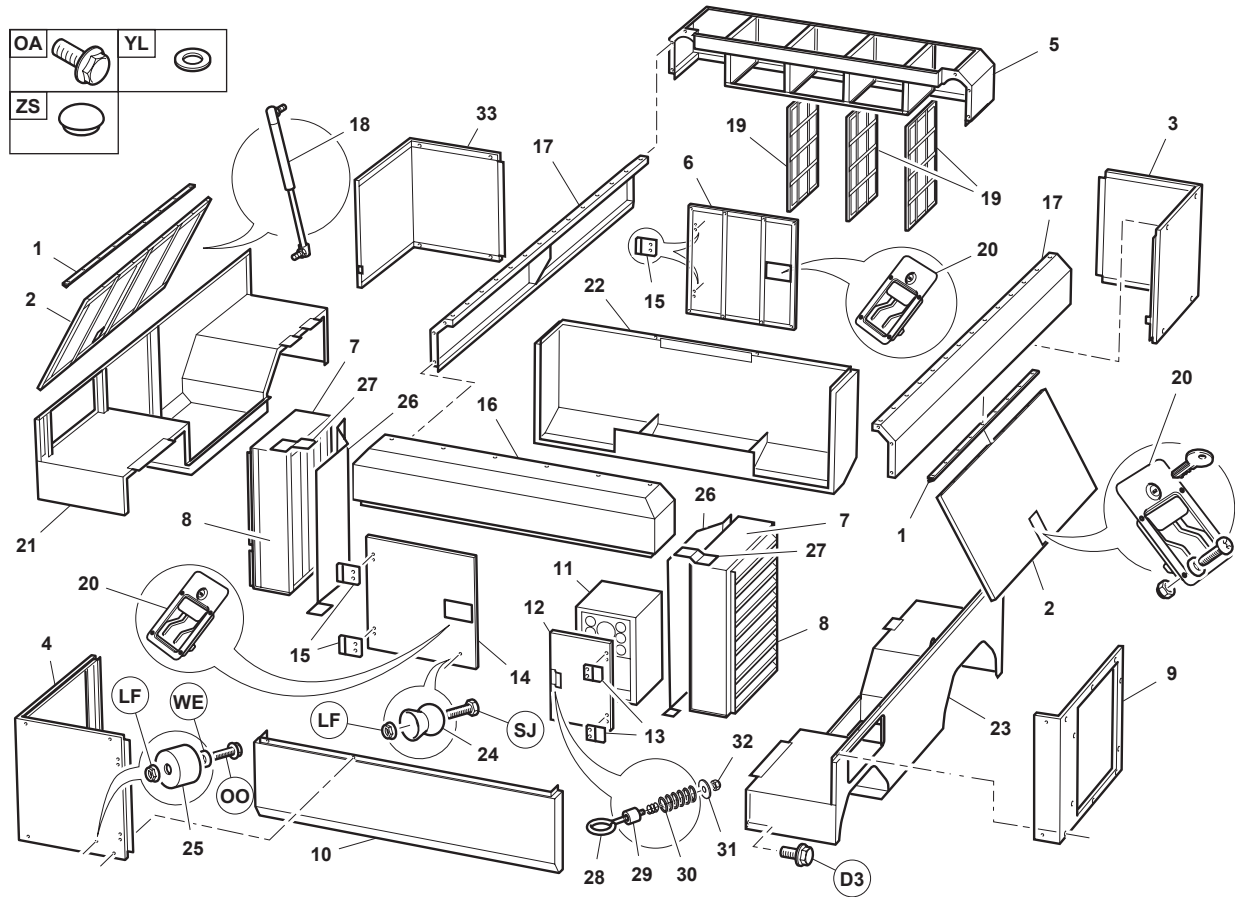
Enclosure



22560866_053_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	92912419	Hinge	2	
2	22123368	Door Assembly	2	
3	22184907	Panel , Right	1	
4	22186233	Panel	1	
5	22123327	Duct	1	
6	22123384	Door Assembly	1	
7	22123038	Panel	2	
8	22123020	Duct	2	
9	22123012	Panel	1	
10	22122980	Panel, SRG	1	
	22208938	Panel, HSRG	1	
11	22103287	Panel, Instrument Box	1	
12	22122972	Door	1	
13	89287684	Hinge	2	
14	22185037	Door Assembly	1	
15	89287692	Hinge	4	
16	22123079	Panel	1	
17	22144711	Panel	2	Continued.....

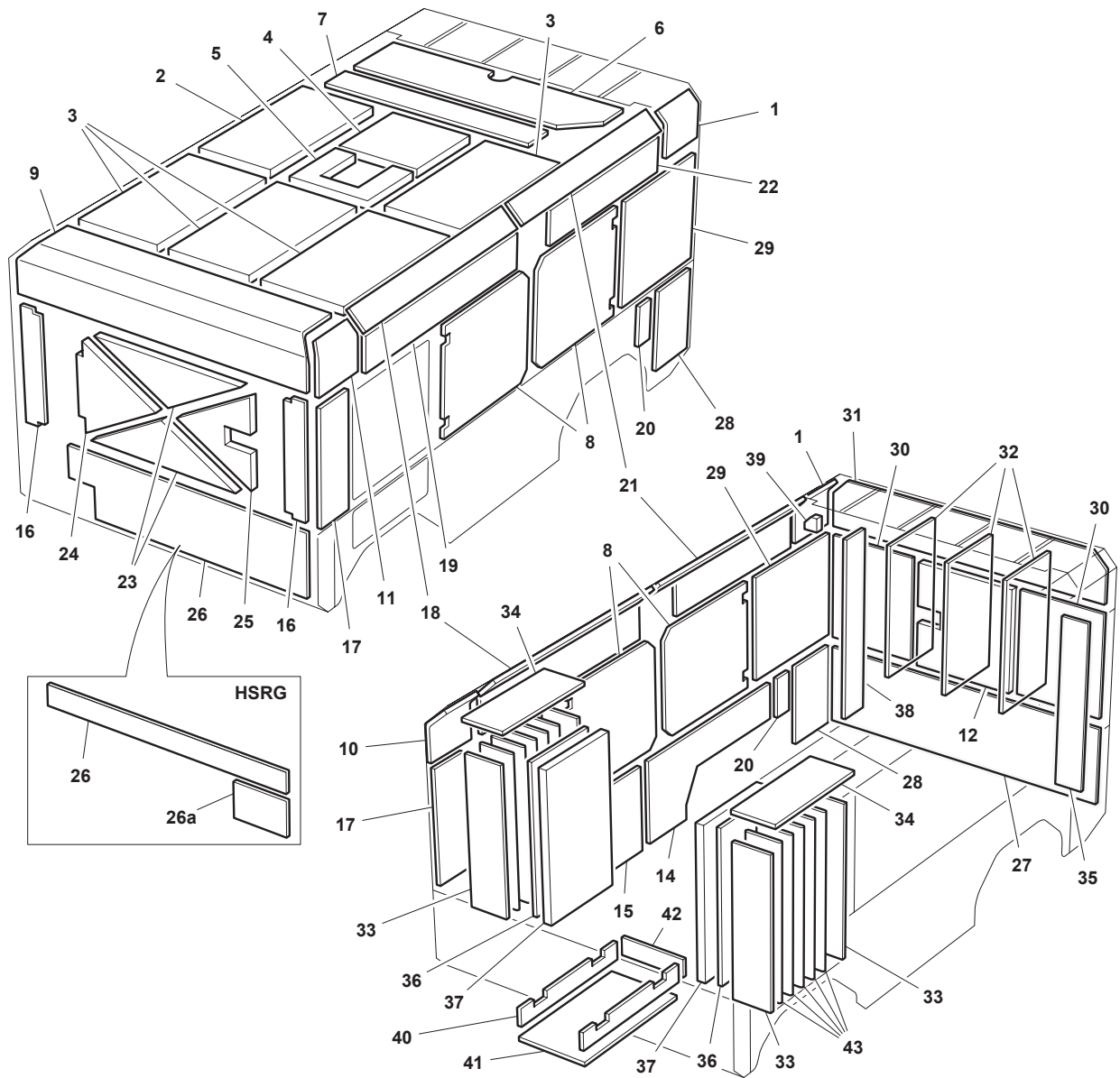
Enclosure



22560866_053_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
18	54443213	Spring, Gas	4	Continued
19	22123335	Baffle	3	
20	89288757	Lock	4	
21	22122956	Panel, SRG	1	
	22180509	Panel, HSRG	1	
22	22123004	Panel, SRG	1	
	22184691	Panel, HSRG	1	
23	22122998	Panel, SRG	1	
	22180491	Panel, HSRG	1	
24	92922863	Catch (Male)	1	
25	92922856	Catch (Female)	1	
26	22072151	Baffle	2	
27	89304224	Bracket	2	
28	22104756	Bolt, Eye	1	
29	89297618	Spacer	2	
30	89799840	Spring	1	
31	92042241	Washer, Nylon	1	
32	92304559	Locknut	1	
33	22184899	Panel, Left	1	

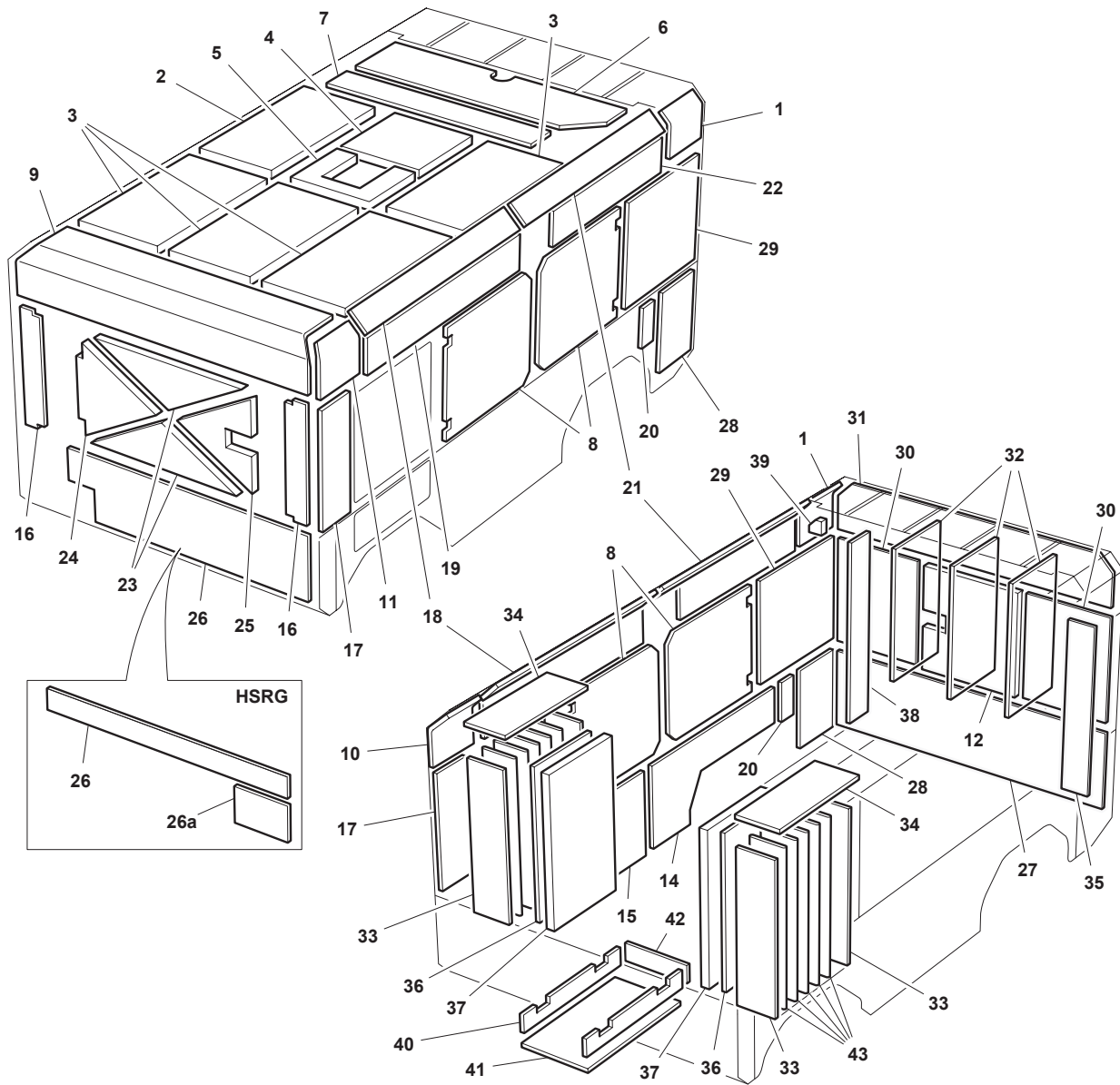
Foam



22560866_055_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22056212	Foam	2	<i>Continued.....</i>
2	22110852	Foam	1	
3	22110860	Foam	4	
4	22110878	Foam	1	
5	22110886	Foam	1	
6	22111439	Foam	1	
7	22111447	Foam	1	
8	22111454	Foam	4	
9	22111470	Foam	1	
10	22111488	Foam	1	
11	22111496	Foam	1	
12	22114218	Foam	1	

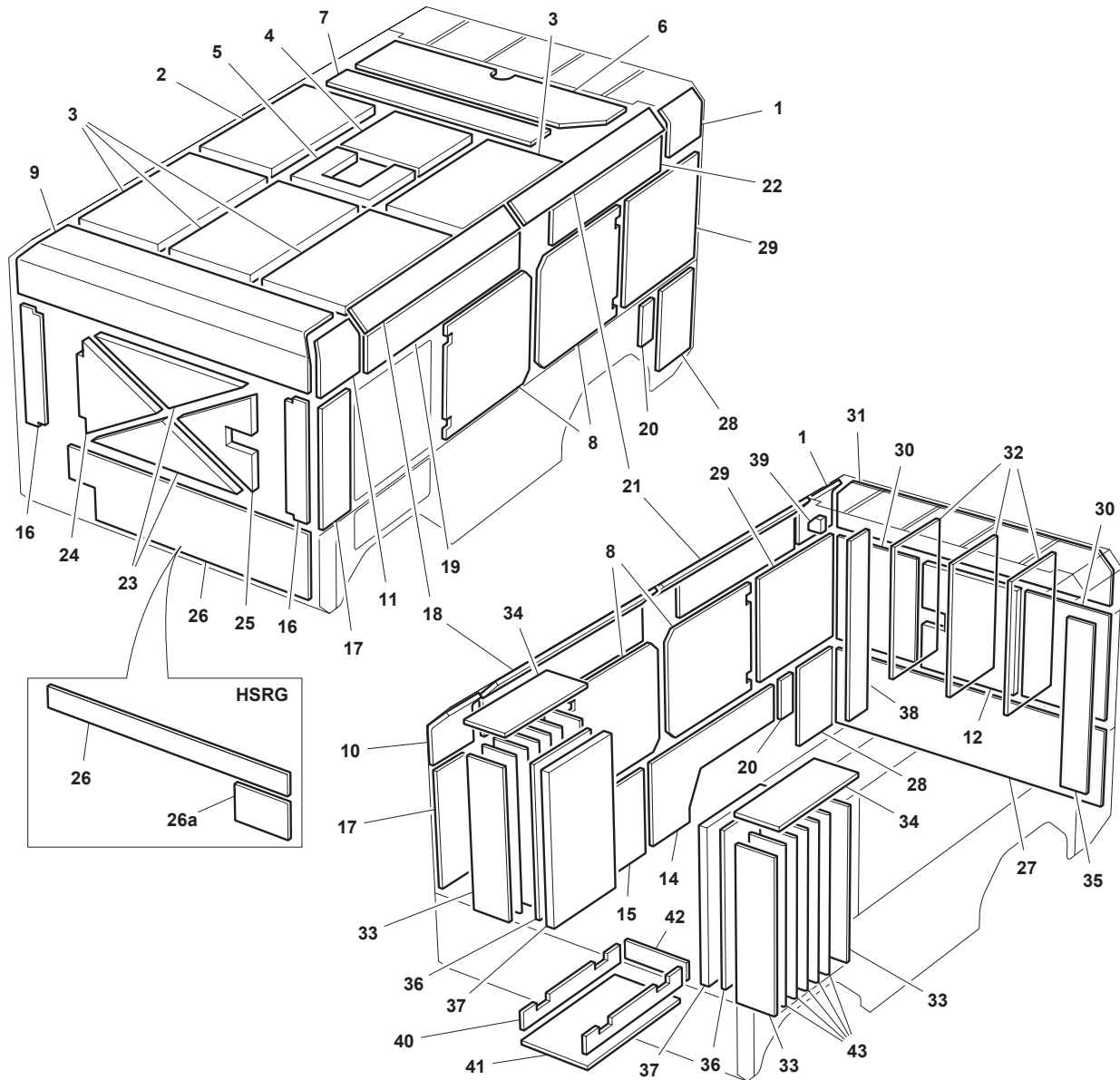
Foam



22560866_055_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
14	22146989	Foam, SRG	1	Continued
	22300339	Foam, HSRG	1	
15	22147029	Foam, SRG	1	
	22300552	Foam, HSRG	1	
16	22147219	Foam	2	
17	22147227	Foam	2	
18	22148357	Foam	2	
19	22148365	Foam	2	
20	22149199	Foam	2	
21	22149207	Foam	2	
22	22149355	Foam	2	
				Continued.....

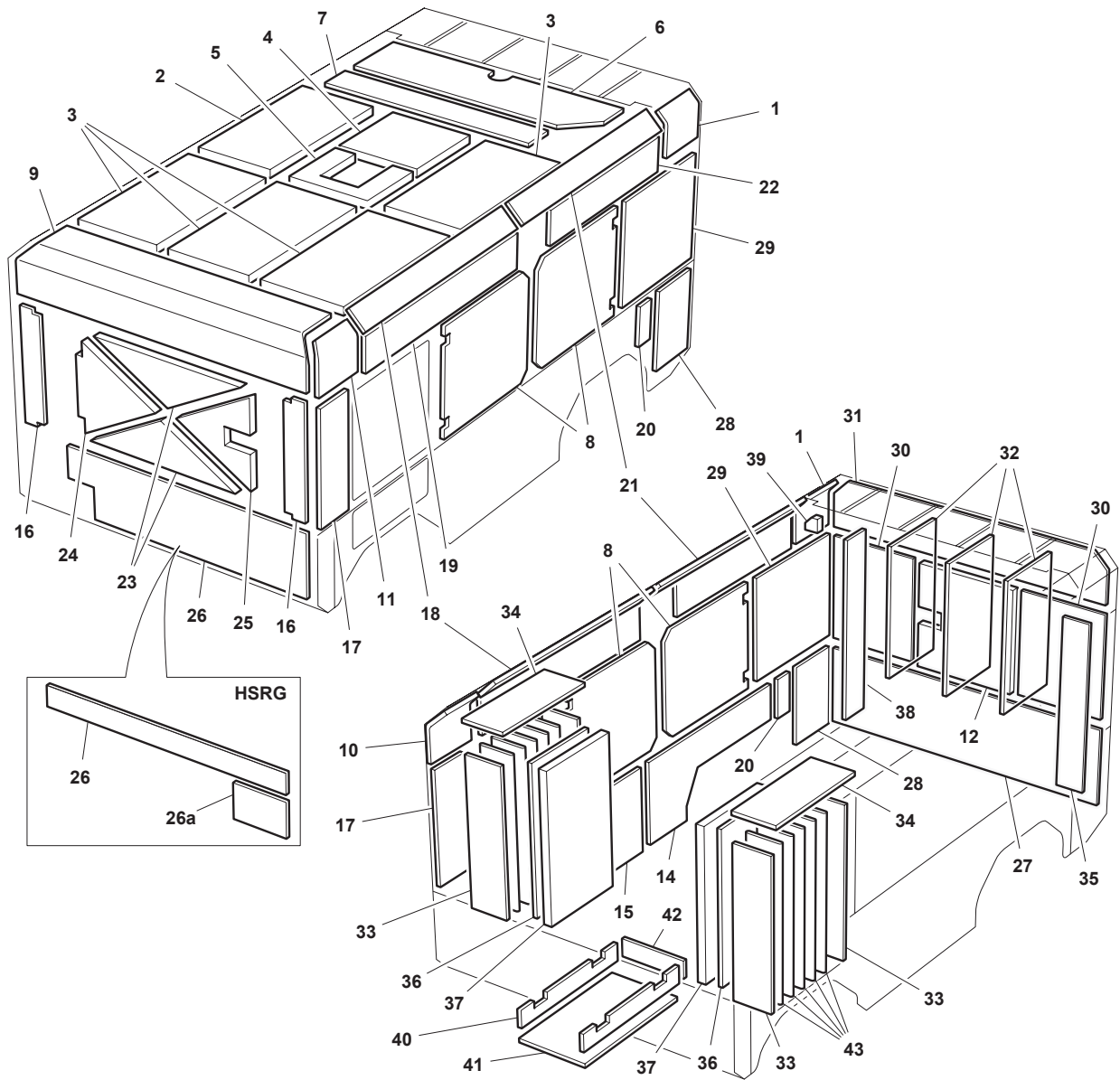
Foam



22560866_055_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
23	22265839	Foam	2	Continued
24	22265847	Foam	1	
25	22265854	Foam	1	
26	54375845	Foam, SRG	1	
	22147425	Foam, HSRG	1	
26a	22300669	Foam, HSRG	1	
27	89286041	Foam	1	
28	89286058	Foam	2	
29	89286157	Foam	2	
30	89286165	Foam	2	
31	89286306	Foam	1	Continued.....
32	22056188	Foam	3	

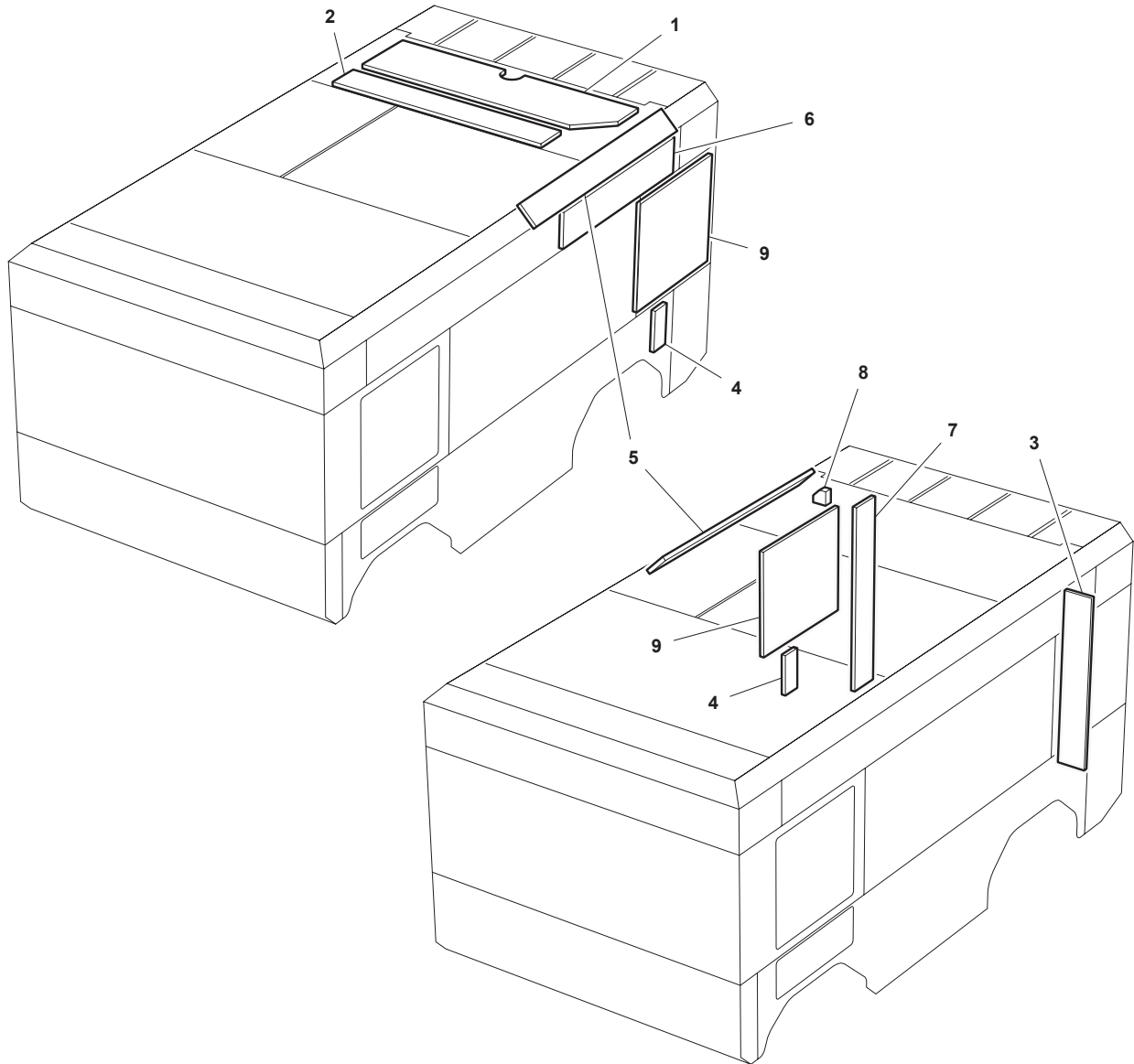
Foam



22560866_055_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
33	22147045	Foam	4	Continued
34	22147052	Foam	2	
35	22148894	Foam	1	
36	22153225	Foam	2	
37	22153233	Foam	2	
38	22265748	Foam	1	
39	22267330	Foam	1	
40	22300594	Foam	2	
41	22306674	Foam	1	
42	22306690	Foam	1	
43	89286090	Foam	10	

Foam - High Ambient

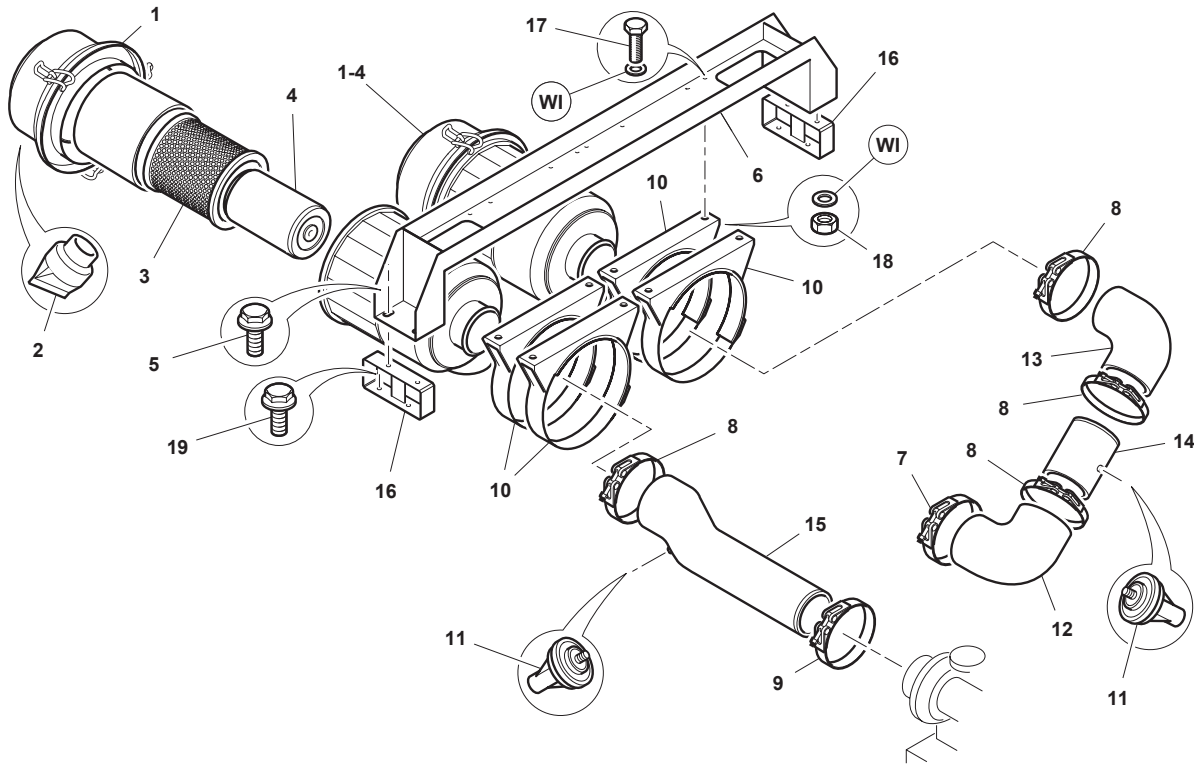


22560866_059_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22111439	Foam	1	
2	22111447	Foam	1	
3	22148894	Foam	1	
4	22149199	Foam	2	
5	22149207	Foam	2	
6	22149355	Foam	2	
7	22265748	Foam	1	
8	22267330	Foam	1	
9	89286157	Foam	2	

Air Intake System

9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935, XP950, XP1060

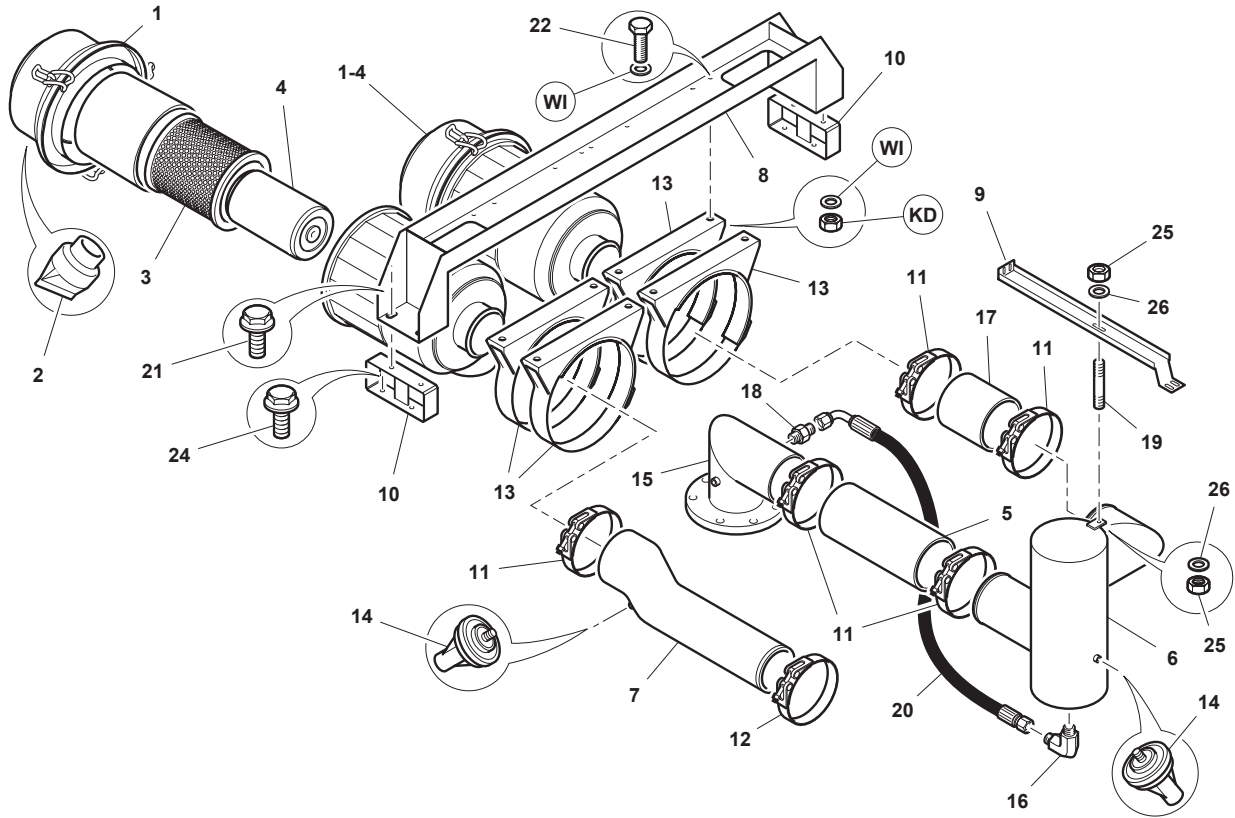


22560866_060_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-4	89285829	Filter, Air	2	
1	89304844	Cap	2	
2	89304851	Valve	2	
3	89288971	Element, Air Filter (Main)	2	
4	89288989	Element, Air Filter (Safety)	2	
5	35279025	Screw	4	
6	89285837	Support	1	
7	35119858	Clamp	1	
8	35123496	Clamp	4	
9	36897668	Clamp	1	
10	89285837	Clamp	4	
11	36847838	Indicator, Air Restriction	2	
12	89288005	Elbow	1	
13	35281336	Elbow	1	
14	22258545	Pipe	1	
15	22093942	Hose	1	
16	22149520	Bracket	2	
17	35271170	Screw	8	
18	36881886	Nut	8	
19	36889608	Screw	4	

Air Intake System

17/235, 21/215
SHP825, XHP750, XHP650

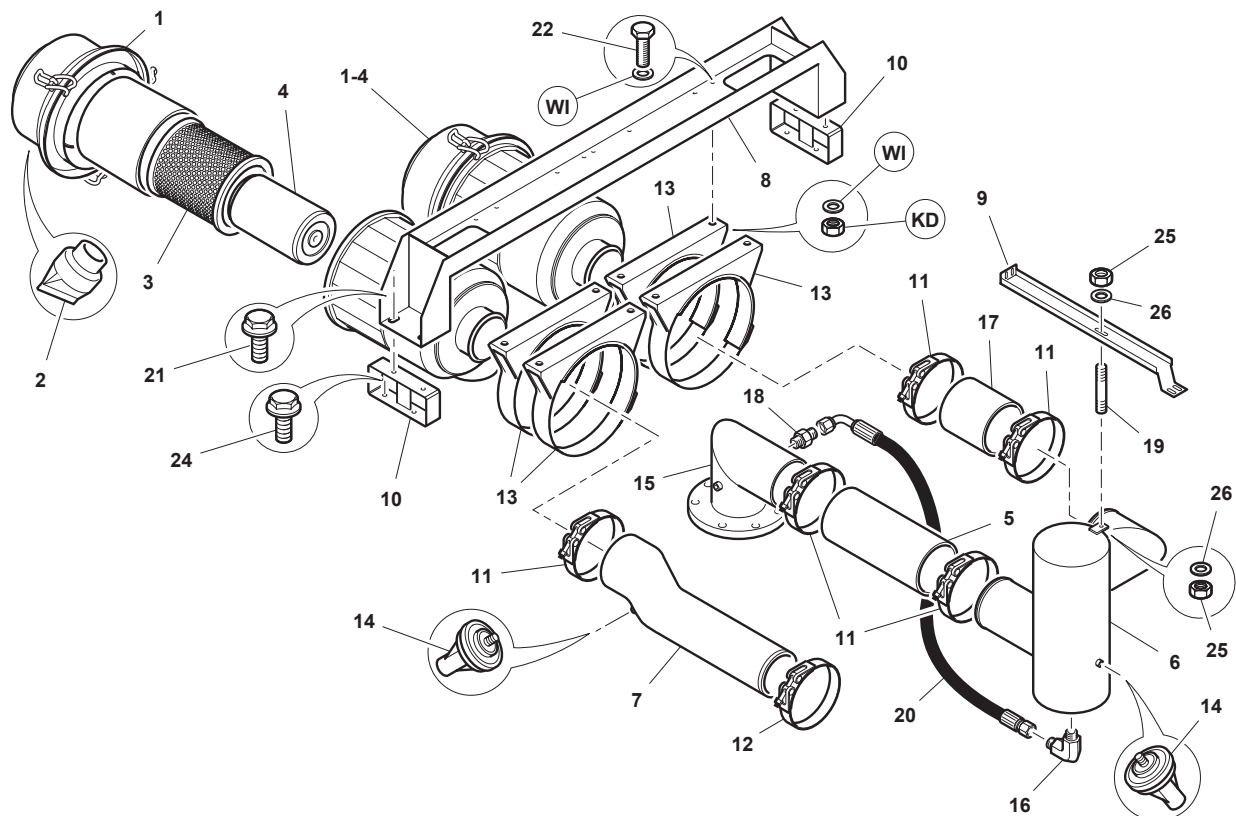


22560866_061_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-4	89285829	Filter, Air	2	Continued.....
1	89304844	Cap	2	
2	89304851	Valve	2	
3	89288971	Element, Air Filter (Main)	2	
4	89288989	Element, Air Filter (Safety)	2	
5	22173868	Hose	1	
6	22258529	Duct	1	
7	22093942	Hose	1	
8	89285837	Support	1	
9	22258115	Bracket	1	
10	89297634	Bracket	2	
11	35123496	Clamp	5	
12	36897668	Clamp	1	

Air Intake System

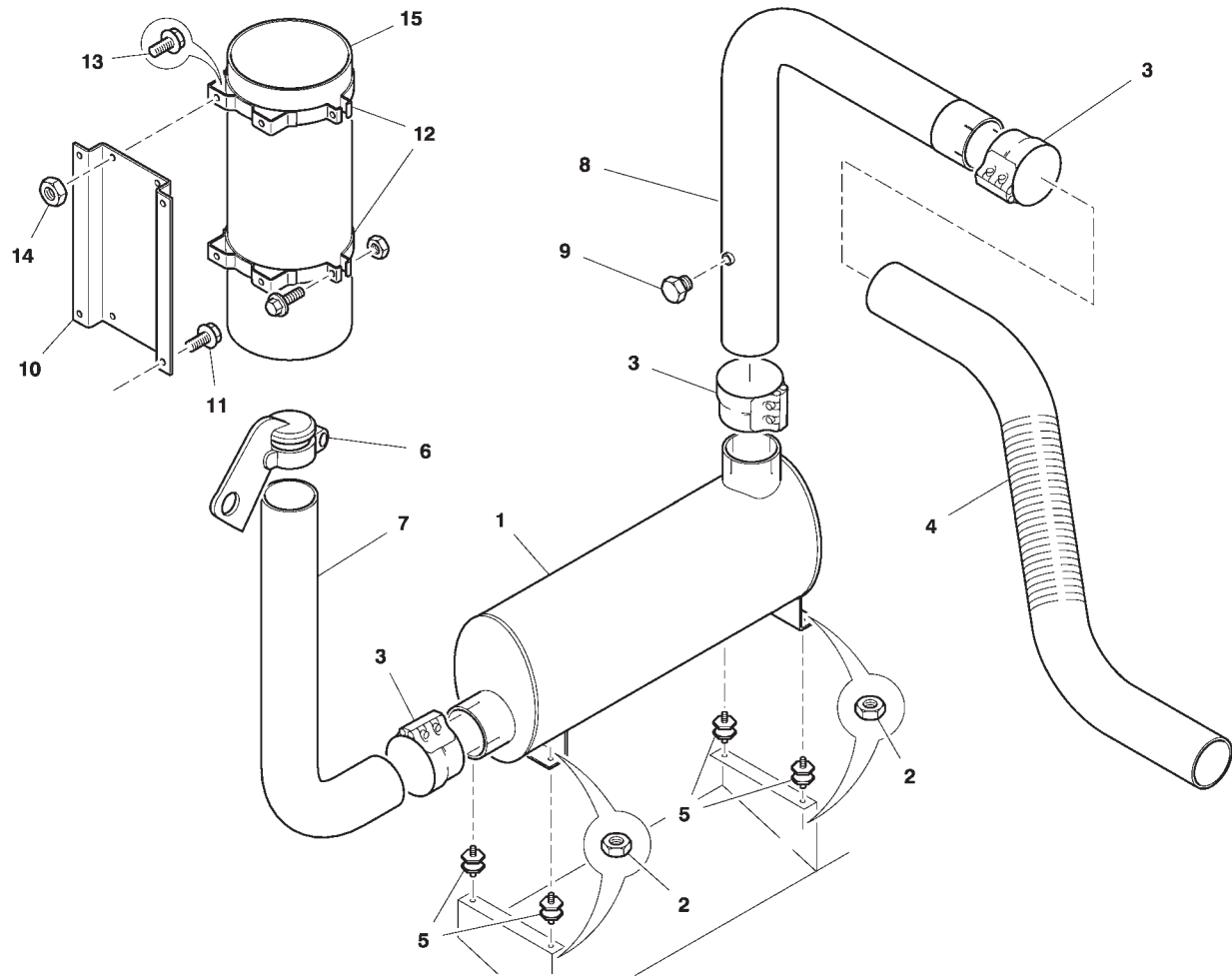
17/235, 21/215
SHP825, XHP750, XHP650



22560866_061_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
13	89285837	Clamp	4	Continued
14	36847838	Indicator, Air Restriction	2	
15	22075295	Flange	1	
16	92394279	Elbow	1	
17	89299440	Hose	1	
18	92042936	Connector	1	
19	89289383	Stud	1	
20	92079474	Hose Assembly	1	
21	35279025	Screw	4	
22	35271170	Screw	8	
23	36881886	Nut	8	
24	36889608	Screw	4	
25	96735543	Nut	2	
26	95934998	Washer	2	

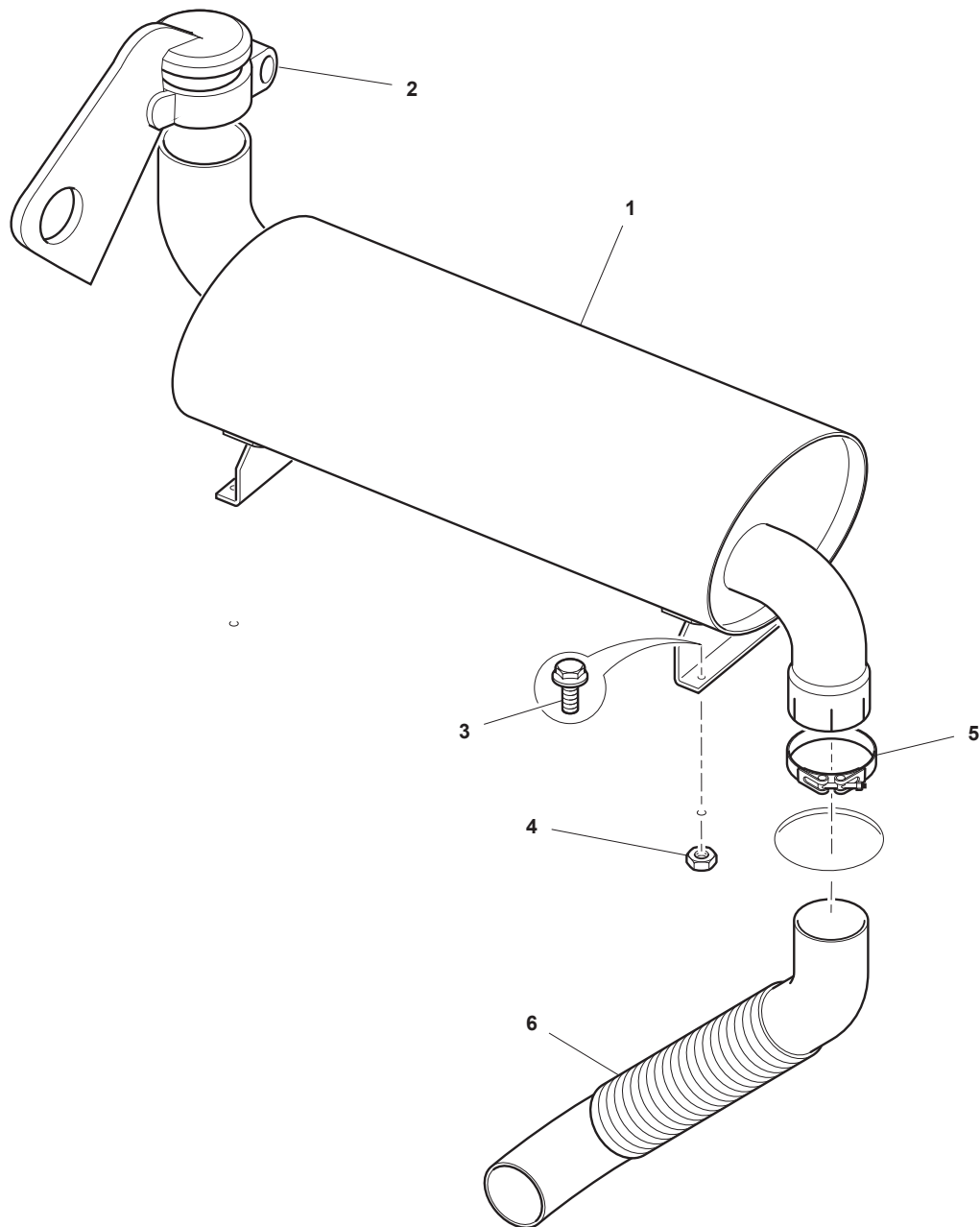
Engine Exhaust System



22560866_063_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22134175	Silencer	1	
2	36881886	Nut	8	
3	35307131	Clamp	3	
4	22082192	Connector, Flexible	1	
5	92276096	Mount	4	
6	35857036	Raincap	1	
7	22056105	Pipe	1	
8	22134167	Pipe	1	
9	95928255	Plug	1	
10	22321475	Bracket	1	
11	35279025	Screw	4	
12	36787026	Band, Mounting	2	
13	36889608	Screw	4	
14	36881886	Nut	4	
15	36787034	Tube	1	

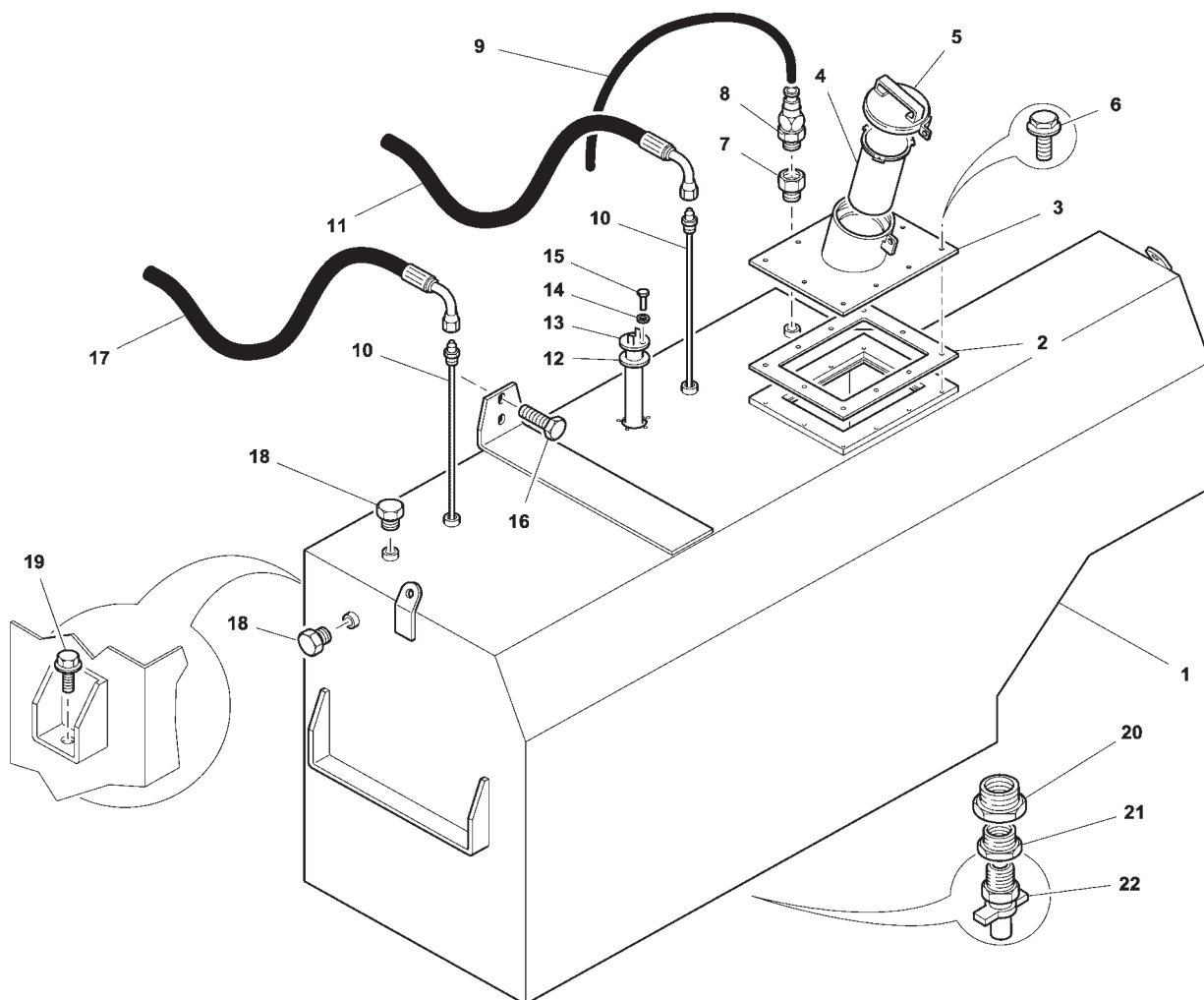
High Ambient Muffler



22560866_064_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22194567	Muffler	1	
2	35857036	Raincap	1	
3	35279025	Screw	4	
4	36895746	Nutsert	4	
5	35313303	Clamp	1	
6	22194161	Tube	1	

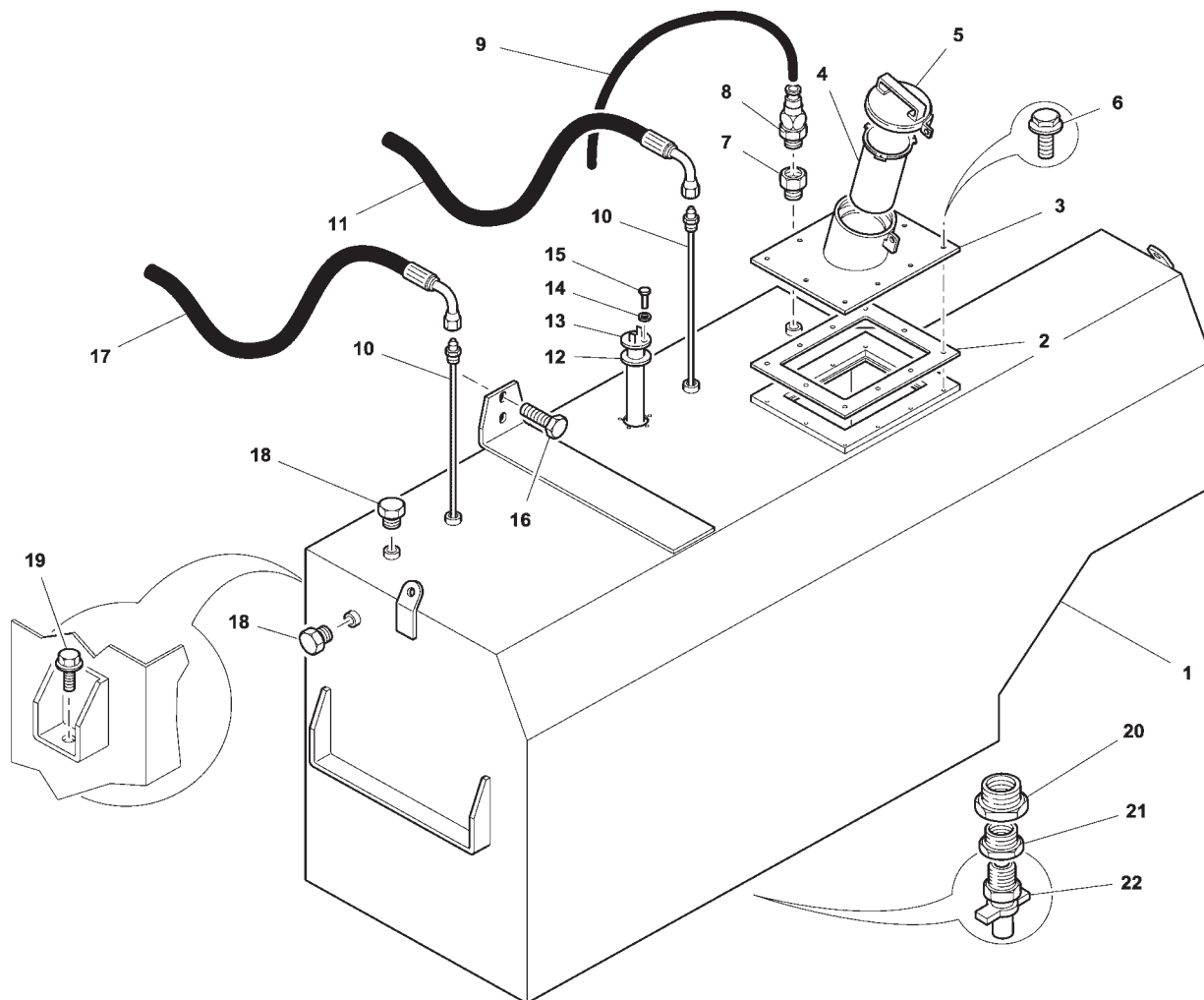
Fuel System



22560866_065_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-22	--	Fuel Tank Assembly	1	
1	22183990	Tank, Fuel, SRG	1	
	22279566	Tank, Fuel, HSRG	1	
2	89287346	Gasket	1	
3	--			
4	36845022	Filter, Fuel	1	
5	36845014	Cap, Fuel Filler	1	
6	96701958	Screw	10	
7	35316348	Adaptor	1	
8	35369347	Adaptor	1	
9	35356484	Tube (Nylon)	1	
10	22092795	Drop-Tube, SRG	2	
	22155469	Drop-Tube, HSRG	2	Continued.....

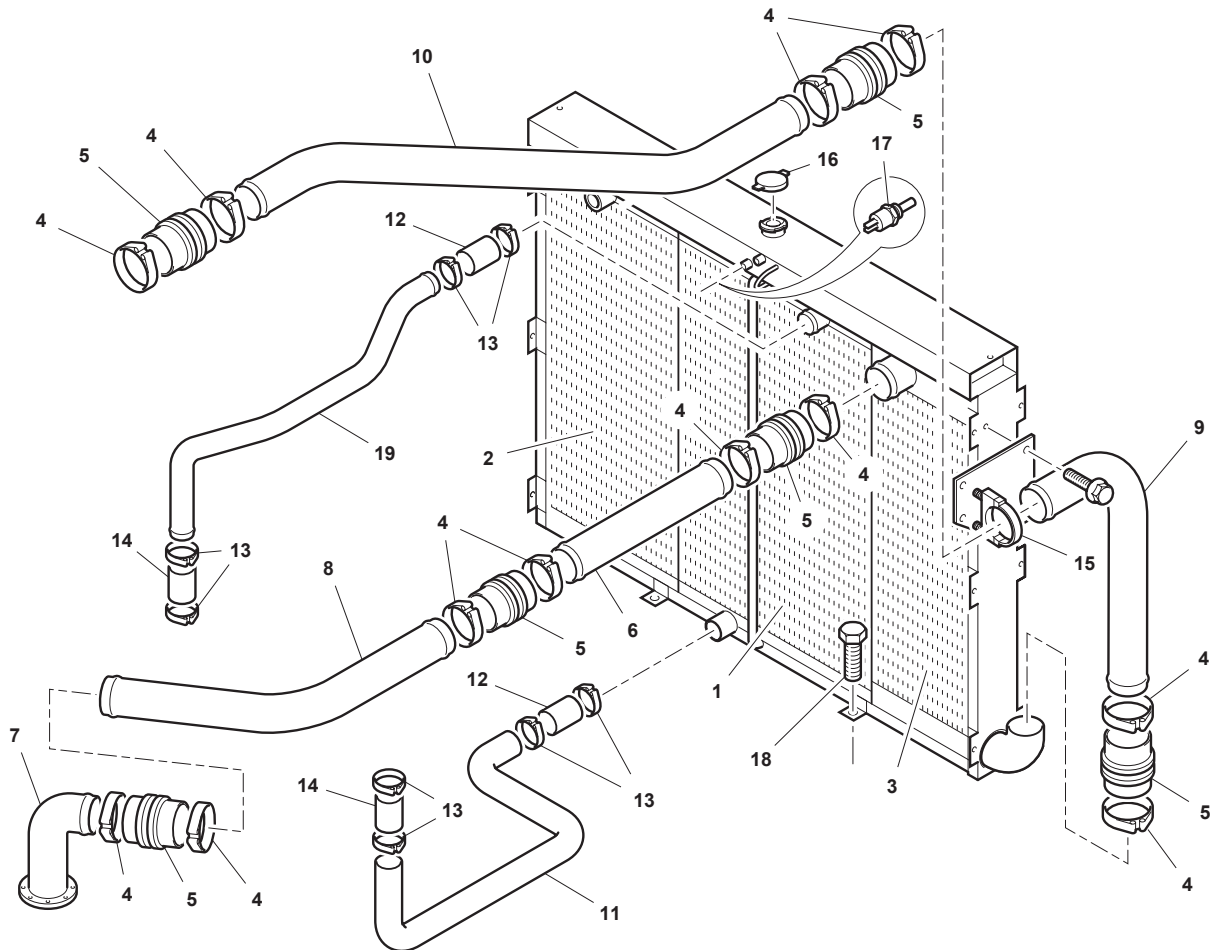
Fuel System



22560866_65_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
11	35282995	Hose Assembly	1	Continued
12	89288492	Gasket	1	
13	22094759	Sender Unit, Fuel Gauge, SRG	1	
	22155451	Sender Unit, Fuel Gauge, HSRG	1	
14	92272756	Lock Washer	AR	
15	92096031	Screw	AR	
16	36888055	Screw	2	
17	35283506	Hose Assembly	1	
18	95949491	Plug	2	
19	36888055	Screw	2	
20	32580510	Adaptor	1	
21	95333274	Reducer	1	
22	30641278	Cock	1	

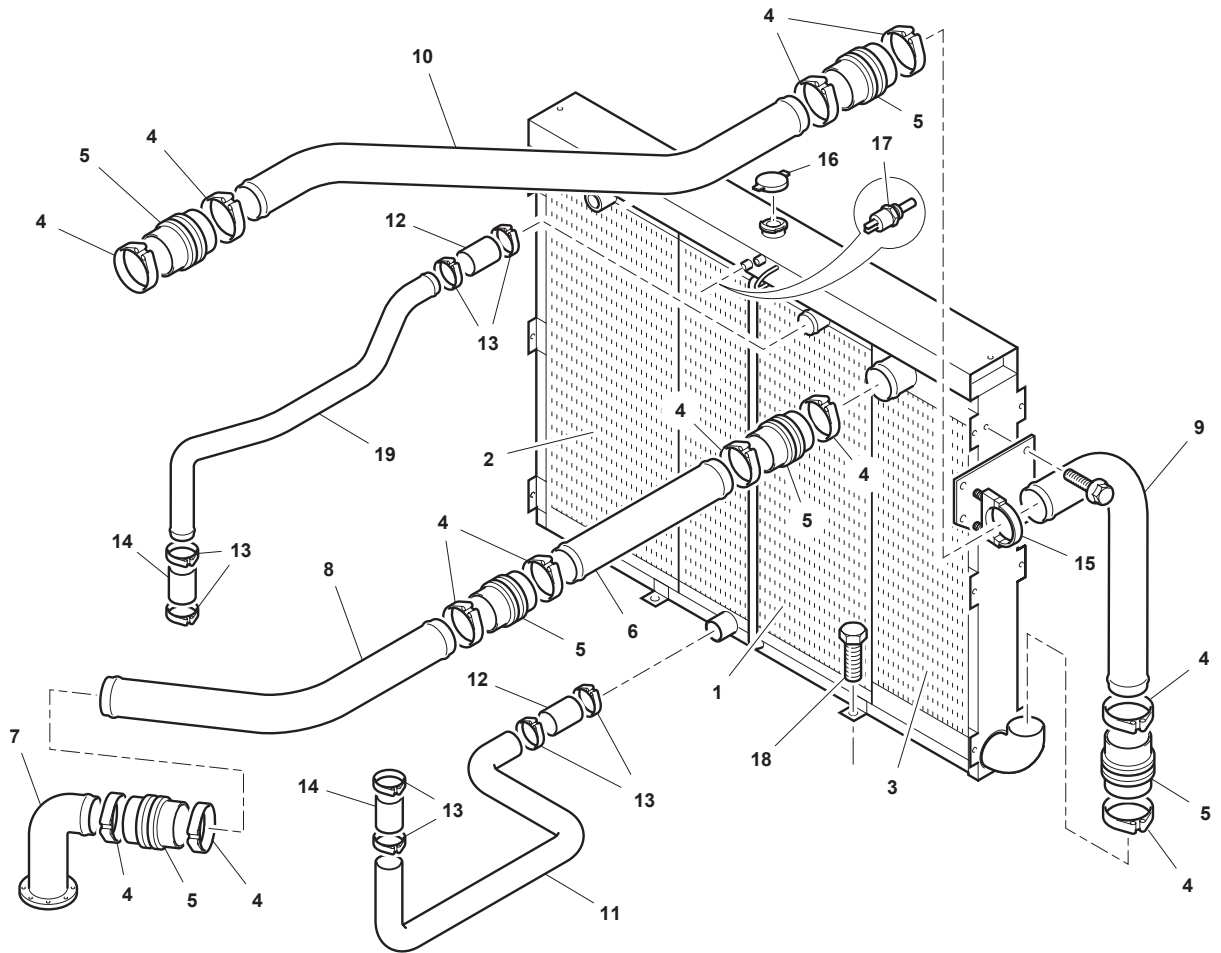
Cooling System



22560866_067_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-3	22150031	Radiator & Cooler Assembly (9/230, 9/270, 9/300, 12/235) (HP935, VHP750, MHP825, XP1060)		
1	89299861	Radiator	1	
2	22126197	Cooler, Oil	1	
3	89299879	Cooler, Charge	1	
1-3	22150023	Radiator & Cooler Assembly (17/235, 21/215) (SHP825, XHP750, XHP650)		
1	89299861	Radiator	1	
2	22150213	Cooler, Oil	1	
3	89299879	Cooler, Charge	1	
4	54444427	Clamp	12	
5	54422522	Sleeve	6	Continued.....

Cooling System

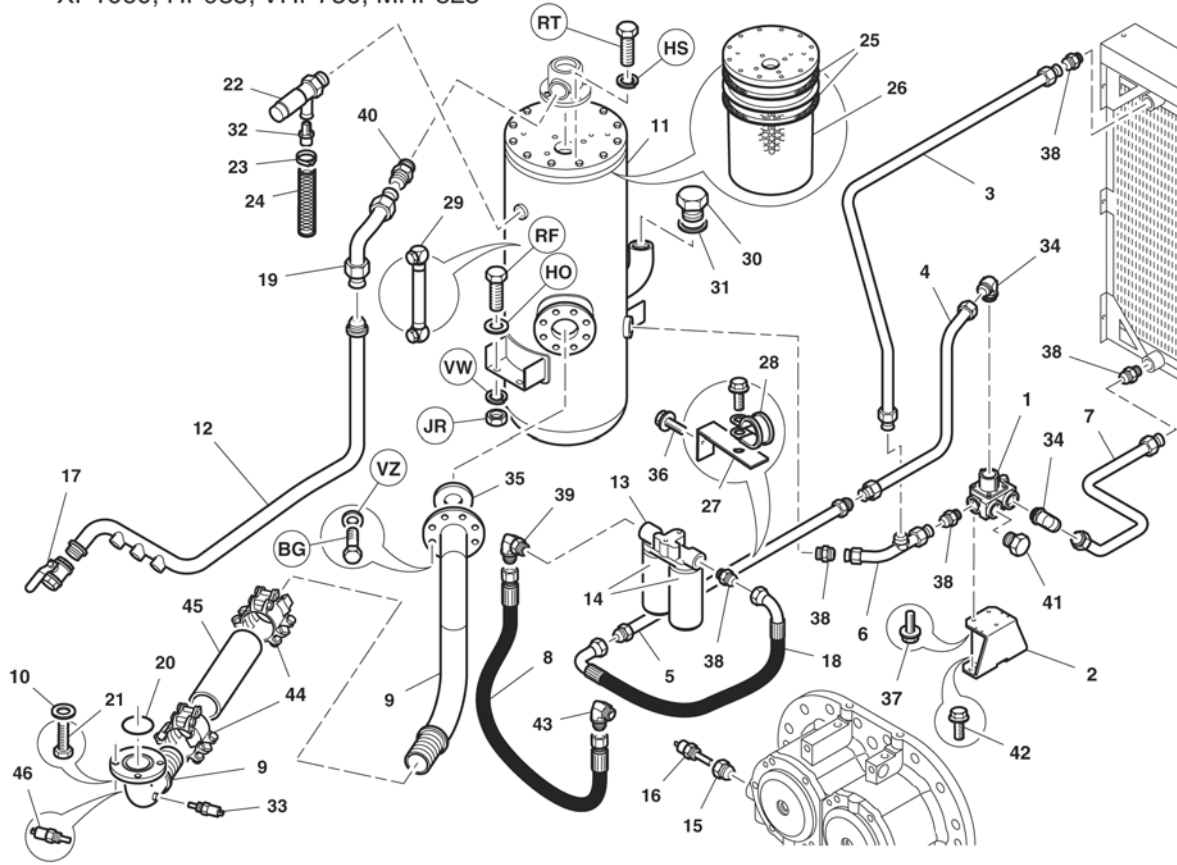


22560866_067_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
6	22080857	Tube	1	Continued
7	--	Flange, Engine	1	
8	22079628	Tube	1	
9	22080774	Tube	1	
10	22079610	Tube	1	
11	22079644	Tube	1	
12	35330570	Connector	2	
13	35222017	Clamp	8	
14	22126460	Connector	2	
15	35111731	Clamp	1	
16	89232086	Cap	1	
17	22102339	Sensor, Coolant Level	1	
18	36877793	Screw	4	
19	22079636	Tube	1	

Oil/Air Piping

XP1060, HP935, VHP750, MHP825

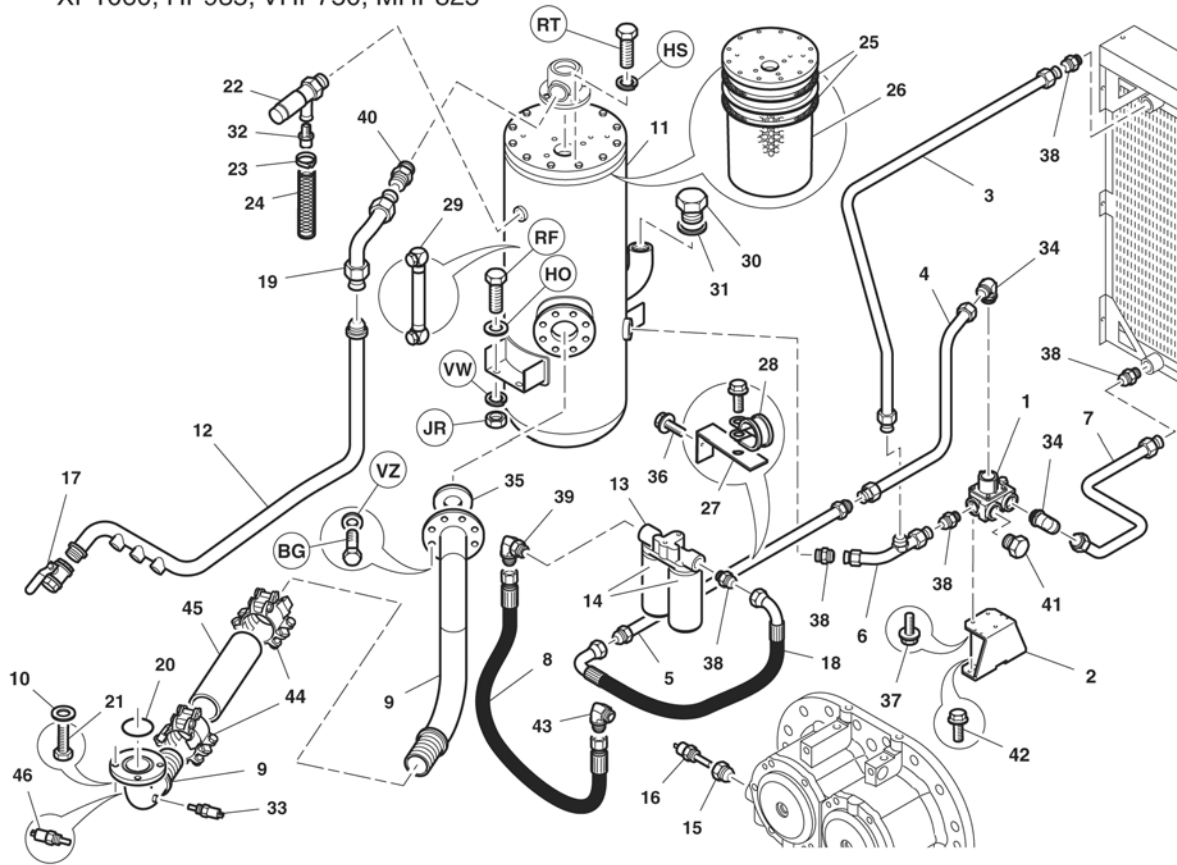


22560866_069_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36893824	Valve, Thermostatic	1	Continued.....
2	22141196	Bracket	1	
3	22139752	Tube Assembly	1	
4	22138721	Tube Assembly	1	
5	54709928	Tube Assembly	1	
6	22138259	Hose Assembly	1	
7	22137939	Tube Assembly	1	
8	36840650	Hose Assembly	1	
9	22130801	Pipe	1	
10	95939741	Washer	4	
11	22130322	Tank, Separator	1	
12	22332605	Tube Assembly	1	
13	36756120	Filter Assembly	1	
14	36860336	Element	2	
15	22246722	Adaptor	1	

Oil/Air Piping

XP1060, HP935, VHP750, MHP825

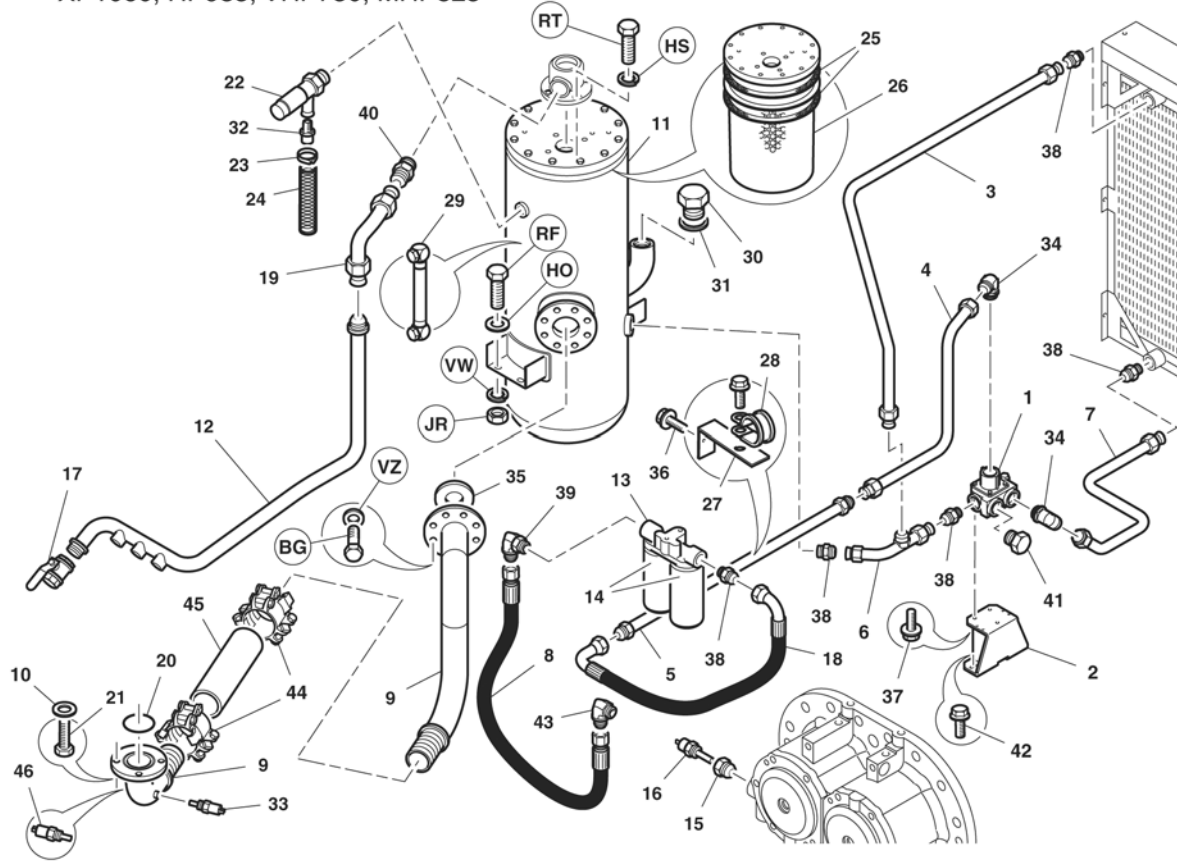


22560866_069_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
16	36757581	Switch, Oil Pressure	1	Continued
17	35602473	Valve, Ball	1	
18	89299424	Hose Assembly	1	
19	54576038	Tube Assembly	1	
20	95022380	O-Ring	1	
21	35375385	Screw	4	
22	36897627	Valve, Safety	1	
23	35221639	Clip, Retaining	1	
24	54378526	Hose	1	
25	89304067	Gasket	2	
26	89285761	Element with Gaskets	1	
27	22123491	Bracket	1	
28	92898576	Clip, Retaining	1	
29	92095363	Gauge, Oil Level	1	
30	35579630	Cap	1	
				Continued.....

Oil/Air Piping

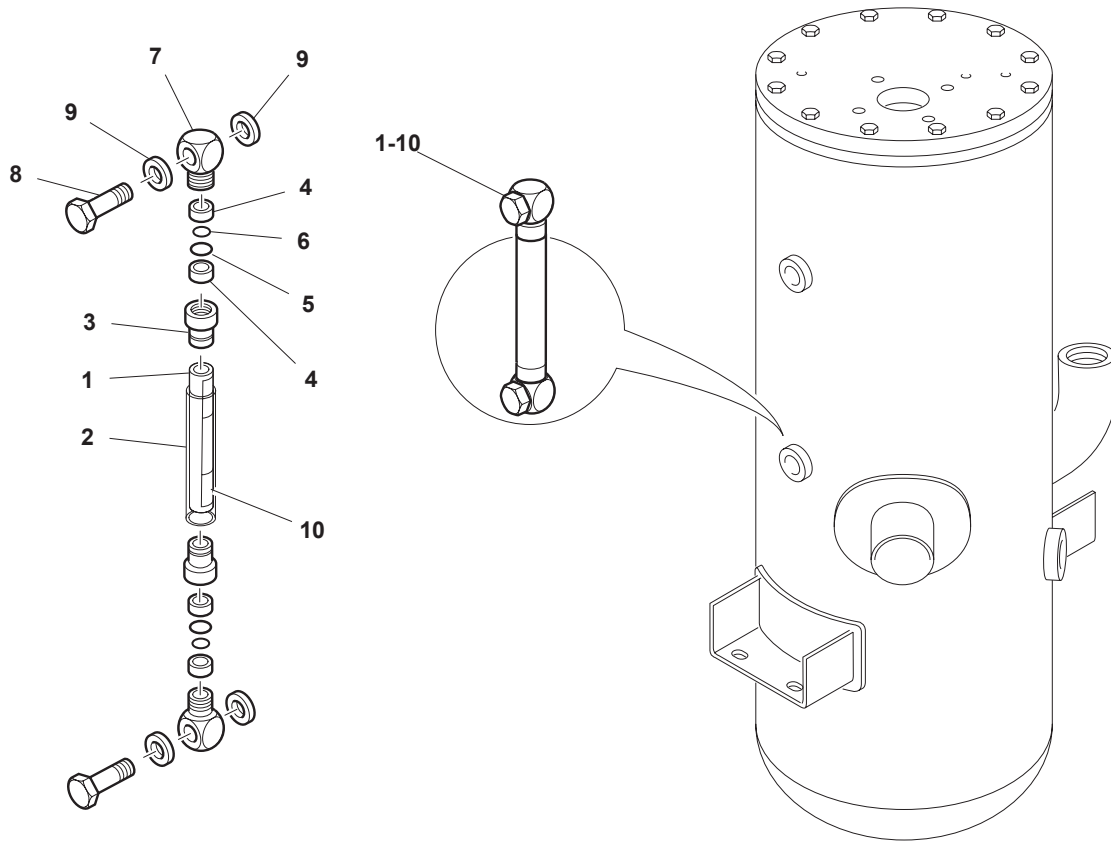
XP1060, HP935, VHP750, MHP825



22560866_069_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
31	35279942	O-Ring	1	Continued
32	54378534	Adaptor	1	
33	36898922	Sensor, Temperature	1	
34	95431292	Elbow	2	
35	39487830	Gasket	1	
36	35279025	Screw	2	
37	95934543	Screw	3	
38	35296409	Adaptor	5	
39	95431292	Elbow	1	
40	95371241	Adaptor	1	
41	95938197	Plug	1	
42	35279025	Screw	2	
43	36899979	Elbow	1	
44	36891869	Clamp	2	
45	22119218	Hose	1	
46	36841138	Sending Unit, Compressor Discharge Temperature Gauge	1	

Oil/Air Piping

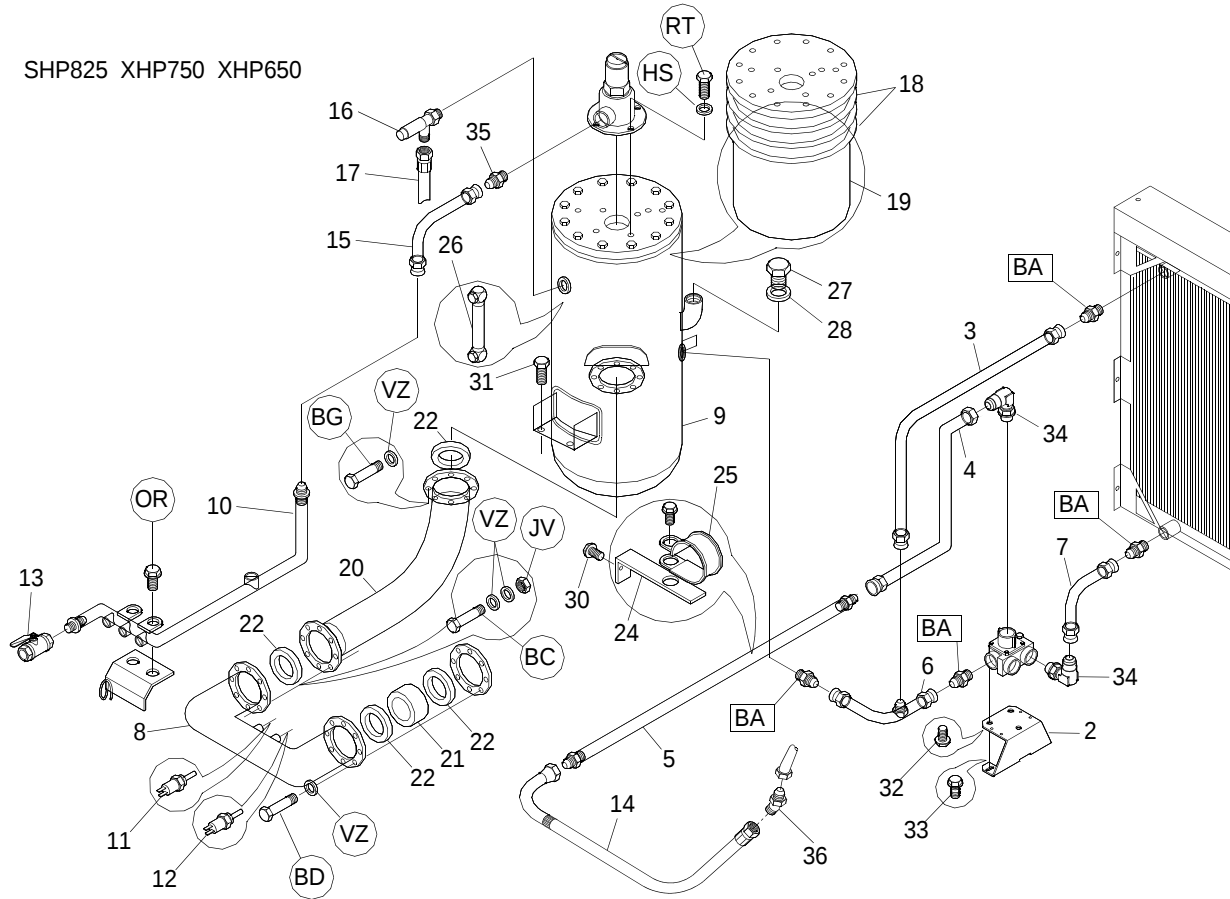


22560866_072_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-10	92095363	Gauge, Oil Level	1	
1	92095371	Sight-Glass	1	
2	92095389	Guard	1	
3	92095397	Nut, Gland	2	
4	92095405	Ferrule	4	
5	92095413	O-Ring	2	
6	92095421	O-Ring	2	
7	92095439	Collar	2	
8	92095447	Nipple	2	
9	92293661	Seal, Sight Glass	4	
10	92094994	Indicator	1	

Oil/Air Piping

SHP825 XHP750 XHP650

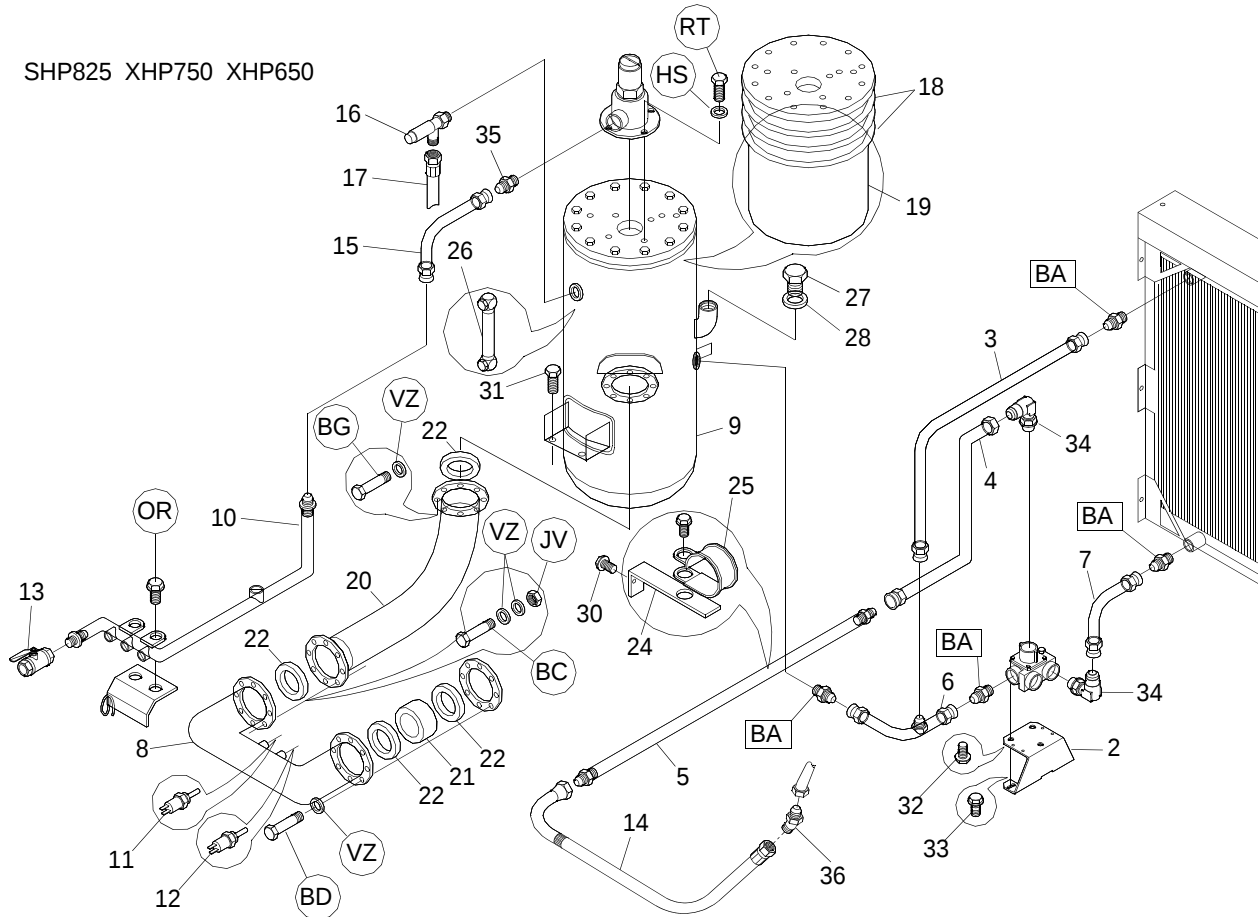


22560866_073_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36893824	Valve, Thermostatic	1	Continued.....
2	22141196	Bracket	1	
3	22139752	Tube Assembly	1	
4	22138721	Tube Assembly	1	
5	54709928	Tube Assembly	1	
6	22138259	Tube Assembly	1	
7	22137939	Tube Assembly	1	
8	22093009	Pipe	1	
9	22144505	Tank, Separator	1	
10	22332605	Tube Assembly	1	
11	36898922	Sensor, Temperature	1	
12	36841138	Sending Unit, Compressor Temperature Gauge	1	
13	35602473	Valve, Ball	1	
14	22165658	Hose Assembly	1	
15	54576038	Tube Assembly	1	
16	22372528	Valve, Safety (SHP 750 And SHP 825)	1	
	22171706	Valve, Safety (XHP 700 And XHP 750)	1	
17	92895267	Hose	1	
18	89304059	Gasket	2	
19	89202022	Element with Gaskets	1	

Oil/Air Piping

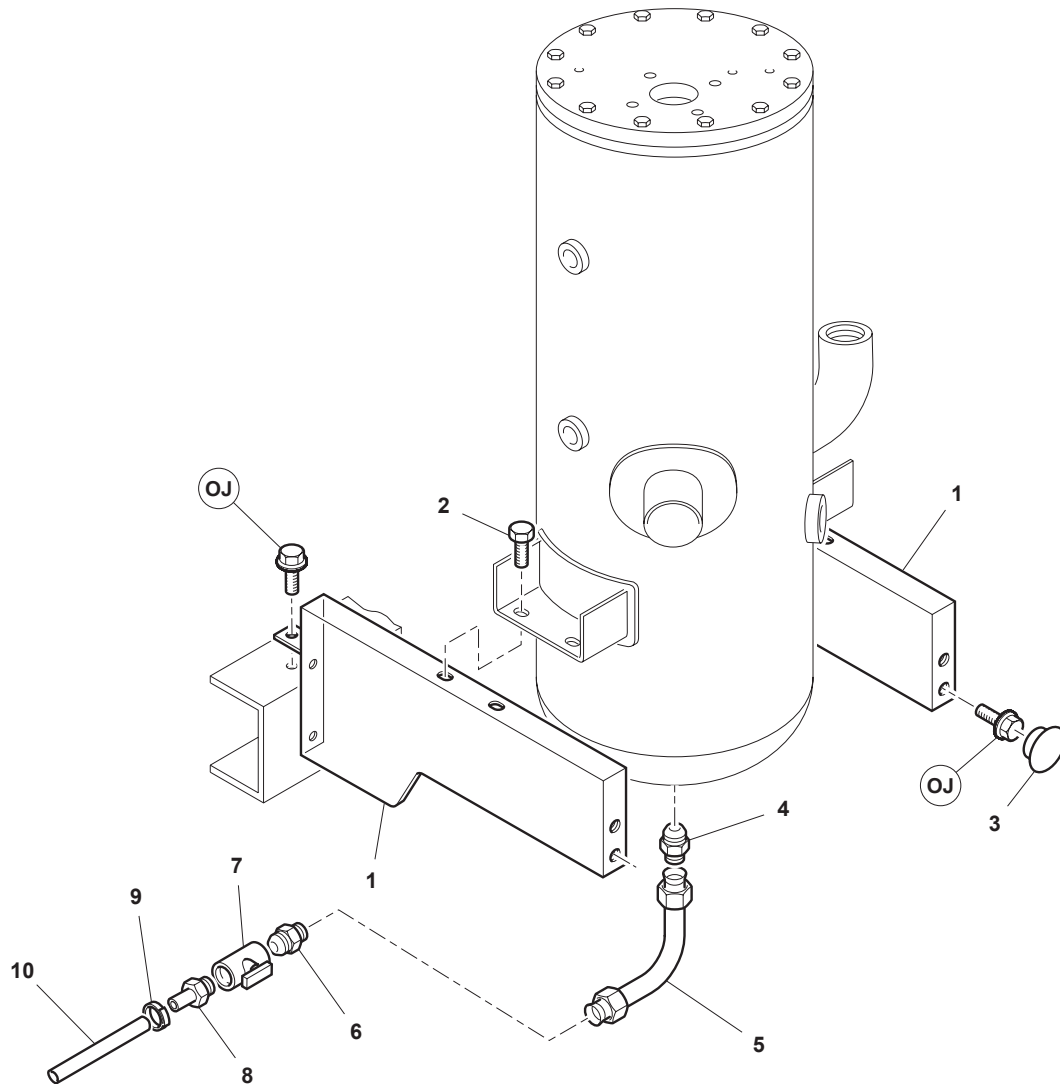
SHP825 XHP750 XHP650



22560866_073_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
19	89202022	Element with Gaskets	1	Continued
20	92893221	Pipe, Flexible	1	
21	36843720	Valve, Check	1	
22	39487830	Gasket	4	
23	--			
24	22123491	Bracket	1	
25	92898576	Clip, Retaining	1	
26	92892967	Gauge, Oil Level	1	
27	35579630	Cap	1	
28	35279942	O-Ring	1	
29	--			
30	35279025	Screw	2	
31	36877793	Screw	4	
32	95934543	Screw	3	
33	35279025	Screw	2	
34	95431292	Elbow	2	
35	92895317	Adaptor	1	
36	35296425	Elbow , 45 Degree	1	

Oil/Air Piping

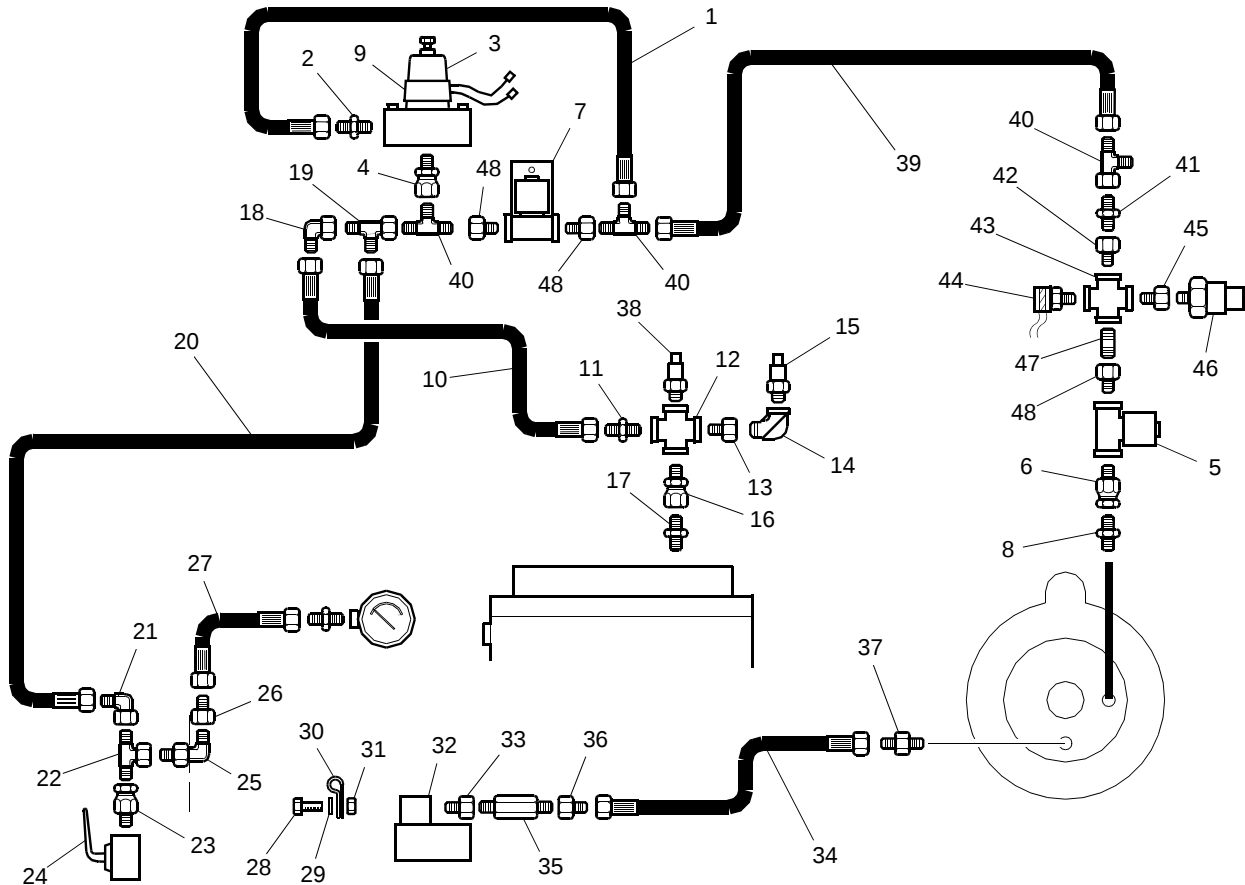


22560866_075_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22124291	Bracket, SRG	2	
	22182984	Bracket, HSRG	2	
2	36877793	Screw	4	
3	89297642	Cap	1	
4	92984657	Connector	1	
5	54518667	Tube Assembly	1	
6	92419563	Connector	1	
7	92043116	Valve	1	
8	36891497	Connector	1	
9	92253194	Clamp	1	
10	92031657	Hose	1	

Regulation System

9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935, XP950, XP1060

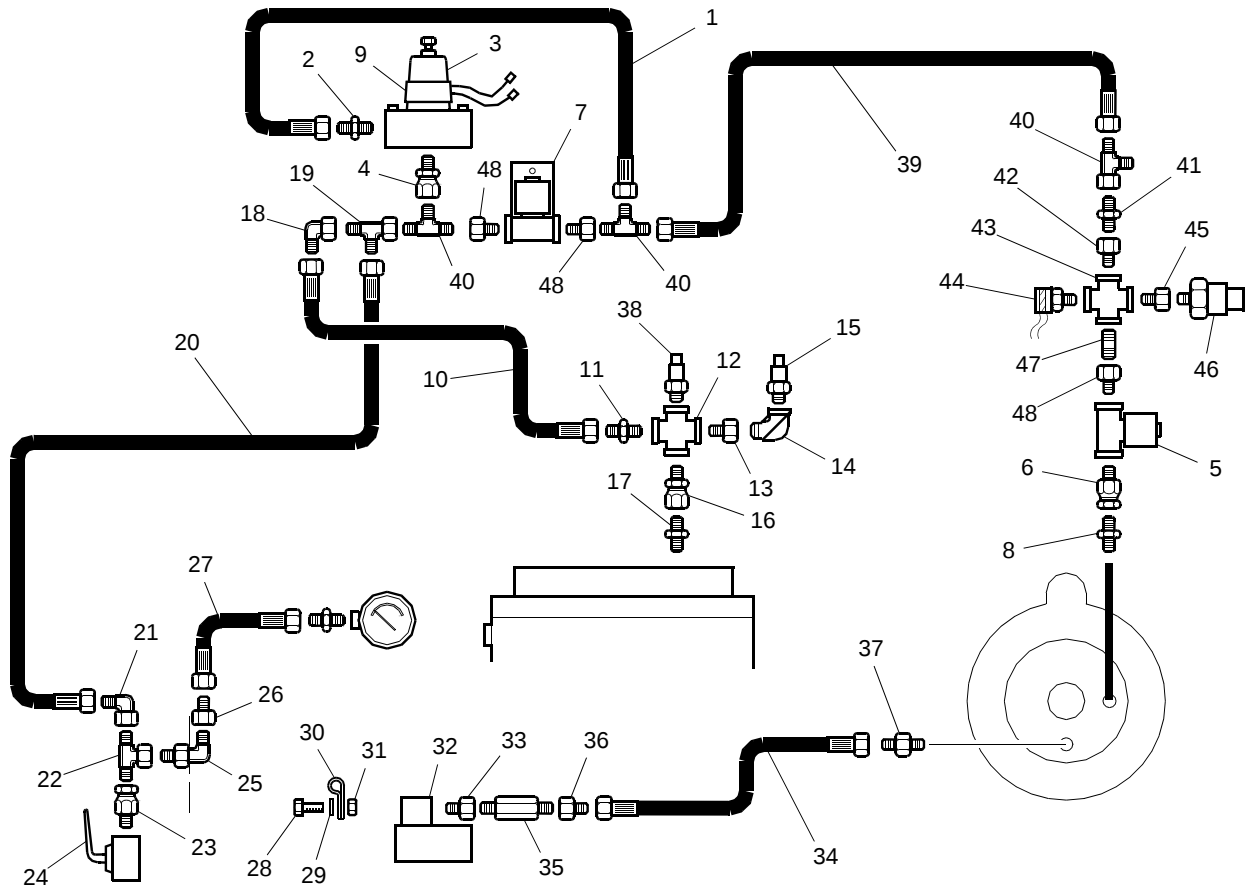


22560866_076_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35282946	Hose Assembly	1	
2	35284082	Adaptor	1	
3	36896892	Regulator 12/235, VHP750, MHP825	1	
	36854149	Regulator 9/230, 9/270, 9/300, HP935, XP950, XP1060	1	
4	35367846	Adaptor	1	
5	36840841	Valve, Solenoid	1	
6	35368927	Connector	1	
7	36840841	Valve, Solenoid	1	
8	36840460	Adaptor	1	
9	36854677	Heater	1	
10	92963529	Hose Assembly	1	
11	35290147	Adaptor	1	
12	95659280	Cross	1	
13	95953899	Adaptor	1	
14	95757183	Elbow	1	Continued.....

Regulation System

9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935, XP950, XP1060

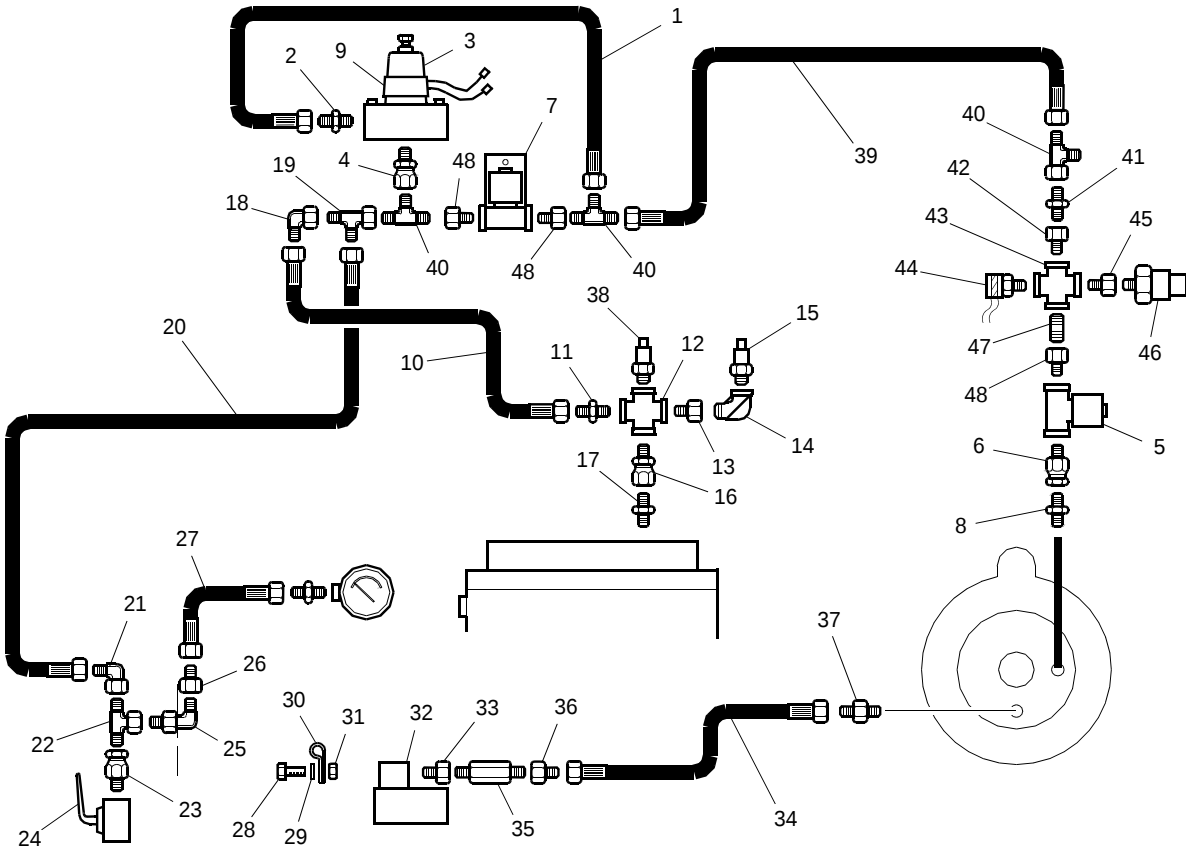


22560866_076_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
15	54496773	Transducer, Pressure	1	Continued (0-225psi)
16	35290147	Adaptor	1	
17	92042936	Adaptor	1	
18	35279827	Elbow	1	
19	95415667	Tee	1	
20	35282979	Hose Assembly	1	
21	35279827	Elbow	1	
22	35283092	Tee	1	
23	35367846	Adaptor	1	
24	35324839	Valve, Ball	1	
25	36852499	Elbow	1	
26	35306091	Adaptor	1	
27	35283241	Hose Assembly	1	
28	30898096	Screw	2	
29	95935029	Washer	2	
30	35119718	Clip, Hose	2	
31	36898104	Nut	2	
				Continued.....

Regulation System

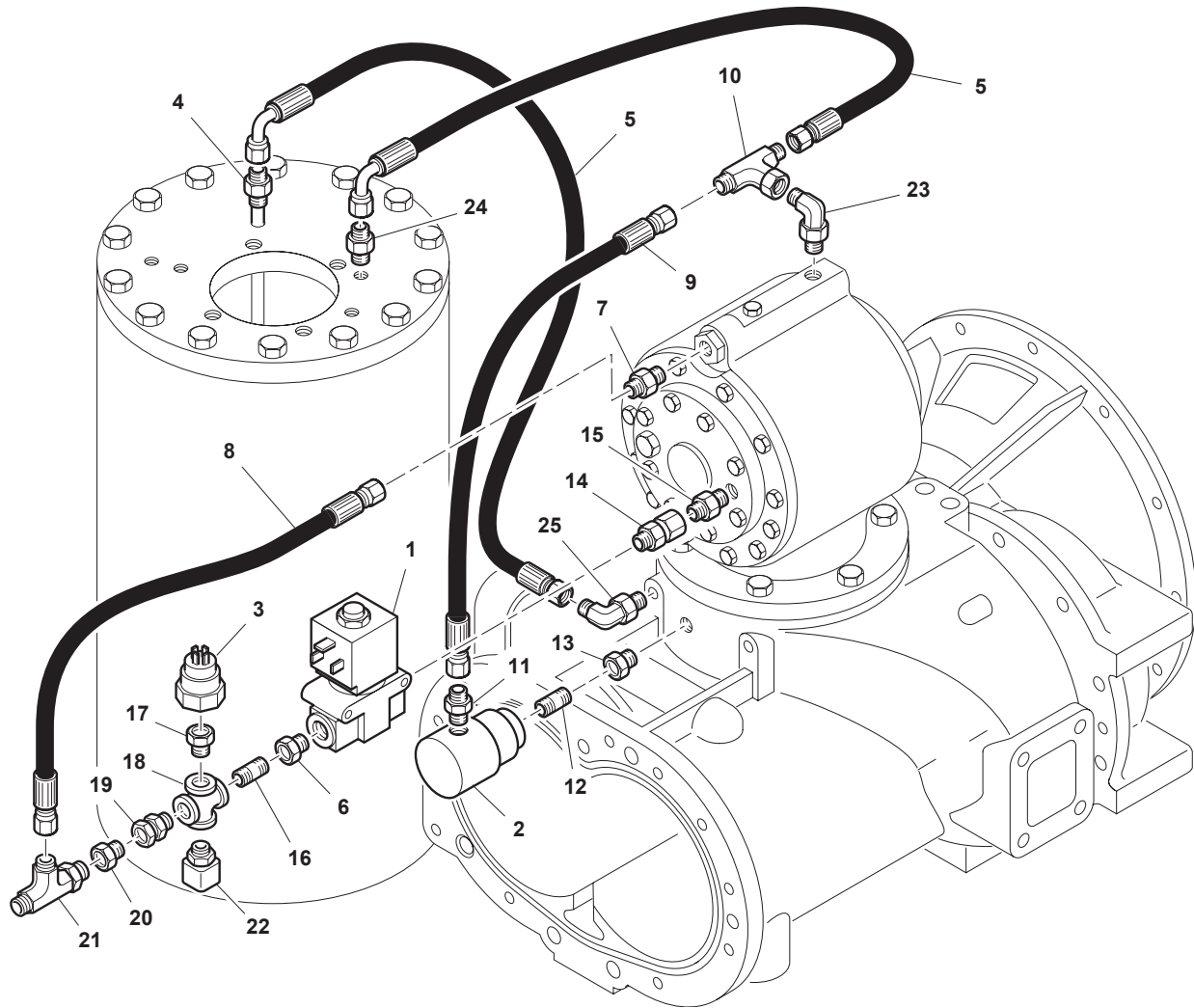
9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935, XP950, XP1060



22560866_076_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
32	36850691	Compressor	1	Continued
33	22246714	Adaptor	1	
34	35282920	Hose Assembly	1	
35	35248145	Valve, Check	1	
36	35294487	Adaptor	1	
37	35283472	Adaptor	1	
38	36898922	Sensor, Temperature	1	
39	35283282	Hose Assembly	1	
40	35283050	Tee	3	
41	35321983	Adaptor	1	
42	35284082	Adaptor	1	
43	95954293	Cross	1	
44	35322346	Orifice	1	
45	95930301	Adaptor	1	
46	36920825	Transducer, Pressure	1	
47	95944575	Nipple	1	
48	95940748	Adaptor	3	(0-100psi)
49	36841526	Heater	1	

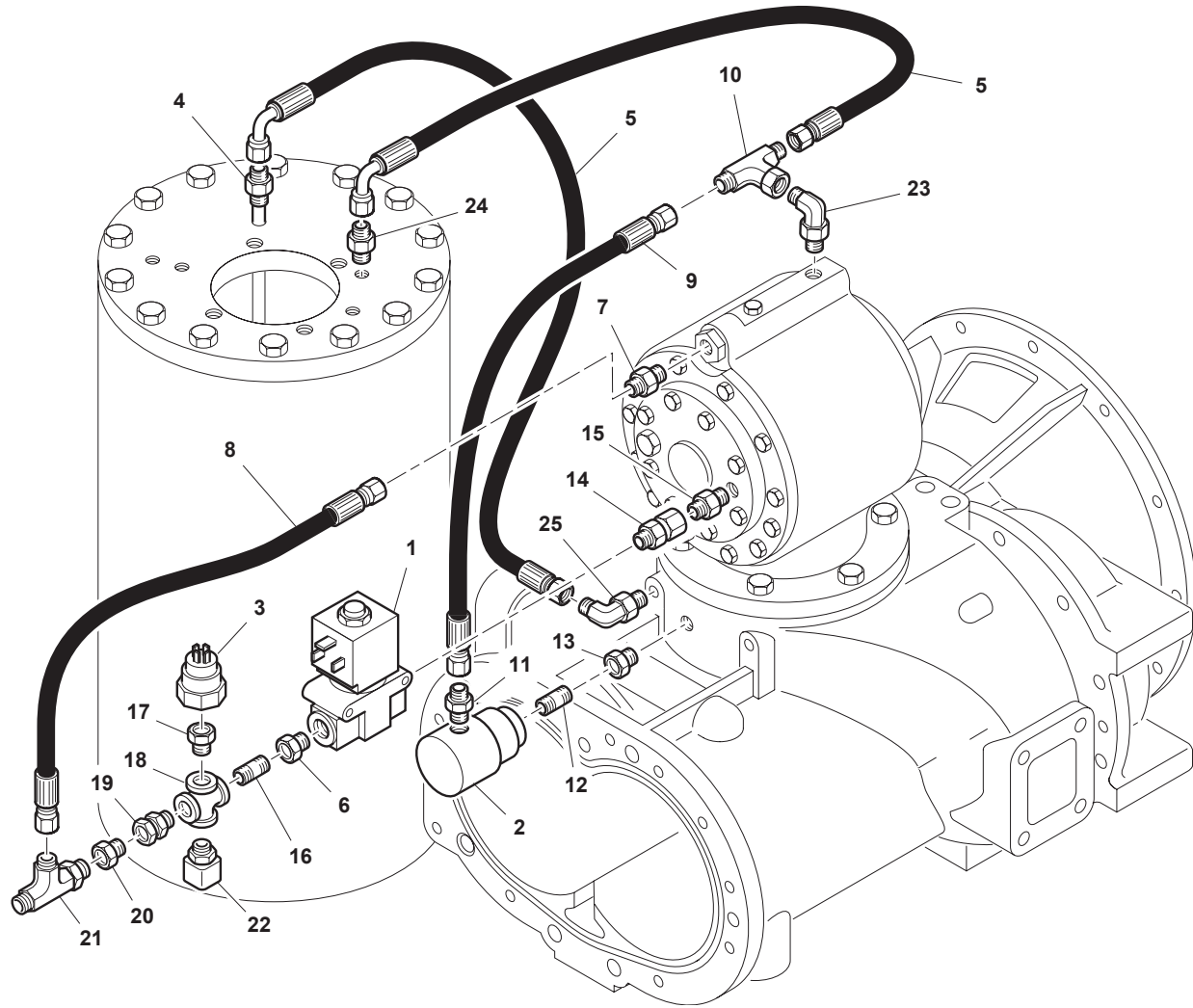
Regulation System



22560866_079_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36840841	Valve, Solenoid	1	(0-100psi)
2	35322379	Valve, Blowdown	1	
3	36920825	Transducer, Pressure	1	
4	89298335	Drop Tube 9/230, 9/270, 9/300, 12/235 VHP750, MHP825, HP935, XP950, XP1060	1	
5	89289185	Hose Assembly	2	
6	95940748	Adaptor	1	
7	95365078	Adaptor	1	
8	35311026	Hose Assembly	1	
9	35323724	Hose Assembly	1	
10	35283092	Tee	1	
11	35284082	Adaptor	1	
				Continued.....

Regulation System

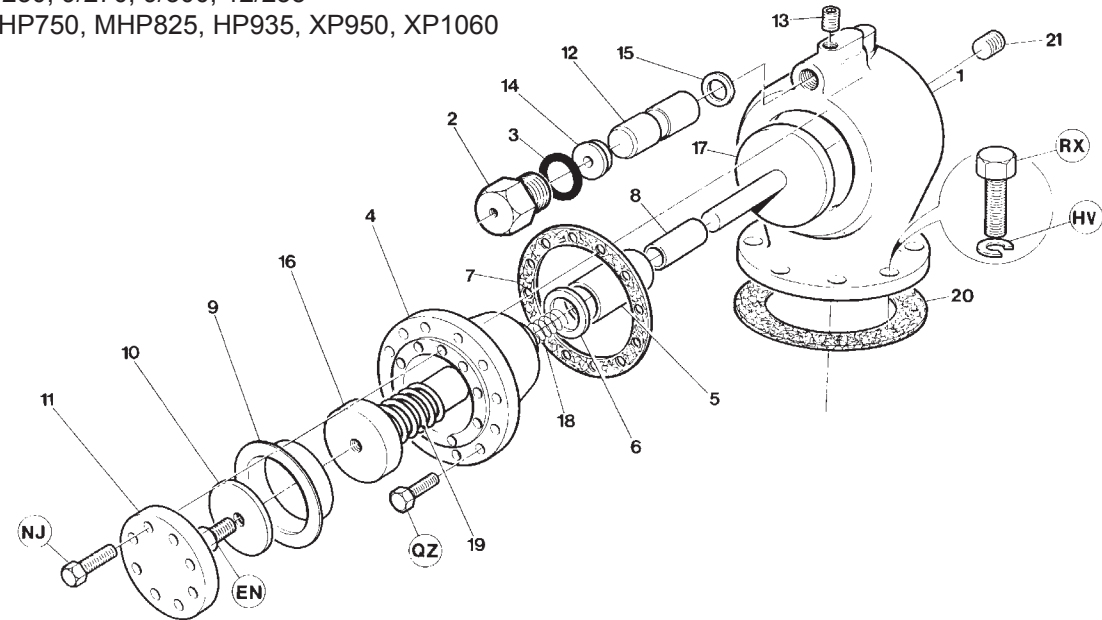


22560866_079_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
12	95667341	Nipple	1	 <i>Continued</i>
13	35302314	Adaptor	1	
14	35368927	Connector	1	
15	36840460	Adaptor	1	
16	95944575	Nipple	1	
17	95930301	Adaptor	1	
18	95954293	Tee	1	
19	35284082	Adaptor	1	
20	35321983	Adaptor	1	
21	35283050	Tee	1	
22	35322346	Orifice	1	
23	35279827	Elbow	1	
24	92042936	Adaptor	1	
25	92080811	Elbow, Orifice	1	

Regulation System

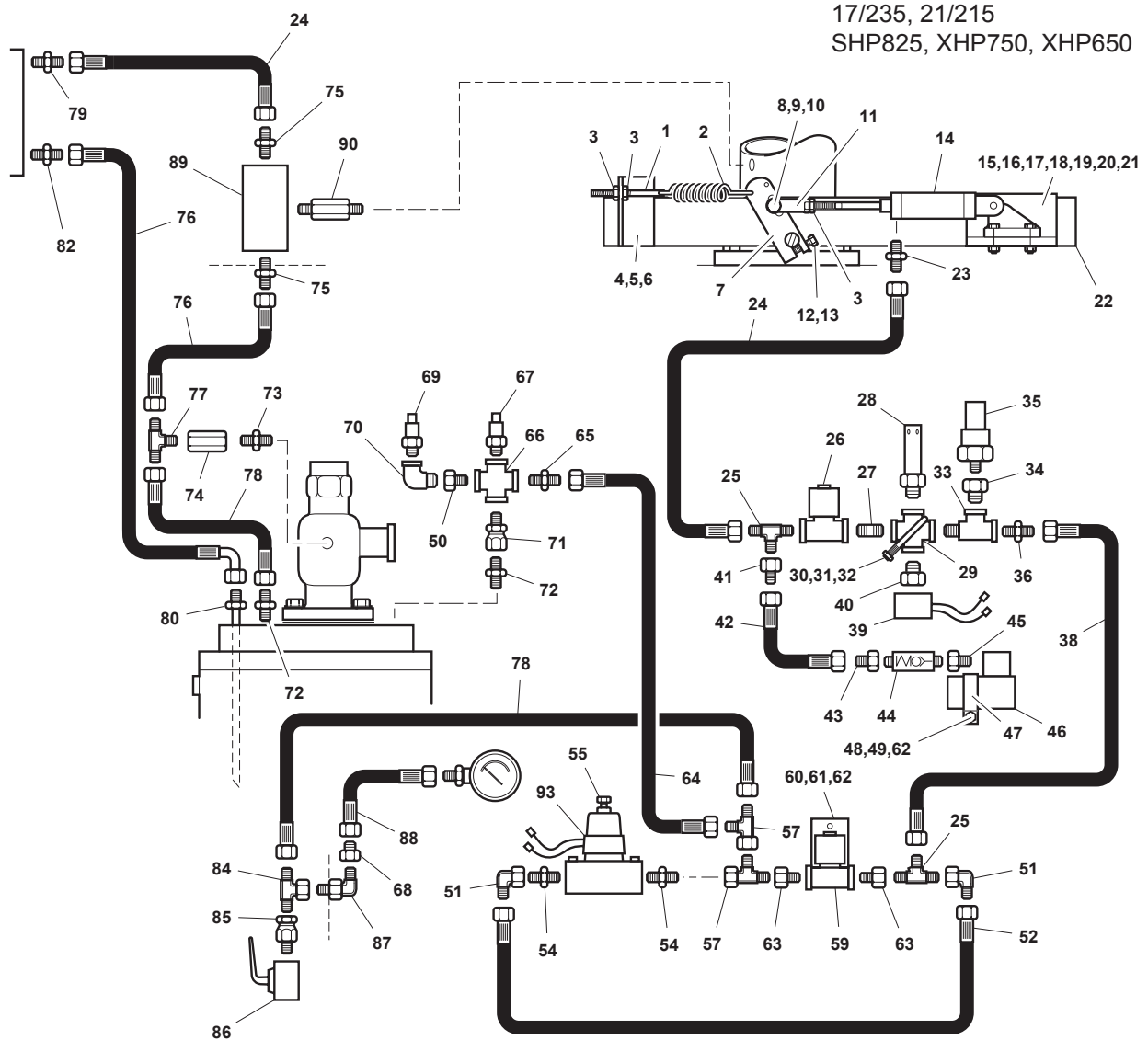
9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935, XP950, XP1060



22560866_081_11/04_A

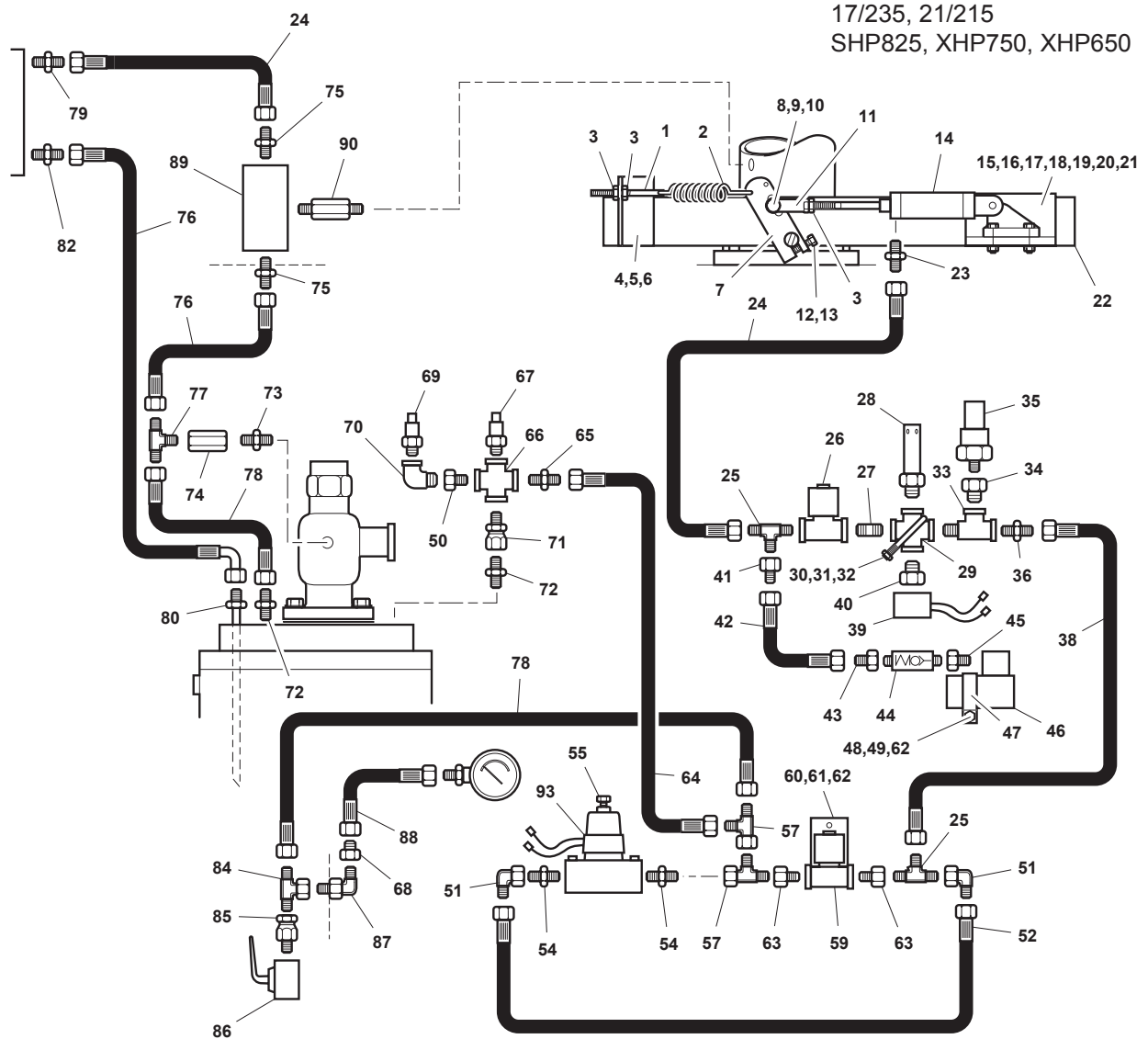
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-19	35072222	Valve, Unloader	1	
1	36722452	Body	1	
2	35328236	Adaptor	1	
3	95765806	O-Ring	2	
4	36722460	Housing	1	
5	35328228	Bush	1	
6	35328244	Seal	1	
7	35328251	Gasket	1	
8	35328269	Bush	1	
9	35592534	Diaphragm, Unloader Valve	1	
10	35327204	Washer	1	
11	35591189	Cover	1	
12	35328210	Valve	1	
13	95263190	Plug	1	
14	35331578	Grommet	1	
15	35331586	Grommet	1	
16	35591163	Piston	1	
17	92697333	Valve Assembly	1	
18	35332683	Spring	1	
19	35332691	Spring	1	
20	95214524	Gasket	1	
21	92257401	Plug	1	

Regulation System



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	92912021	Rod	1	Continued.....
2	35317700	Spring	1	
3	96735550	Nut	5	
4	89252118	Bracket	1	
5	36889608	Screw	2	
6	36881886	Nut	2	
7	89252126	Lever	1	
8	96719265	Screw	1	
9	95935037	Washer	1	
10	36879195	Nut	1	
11	89201966	Ball-Joint	1	
12	95935029	Washer	1	
13	96701461	Screw	1	
14	89249072	Cylinder Assembly	1	

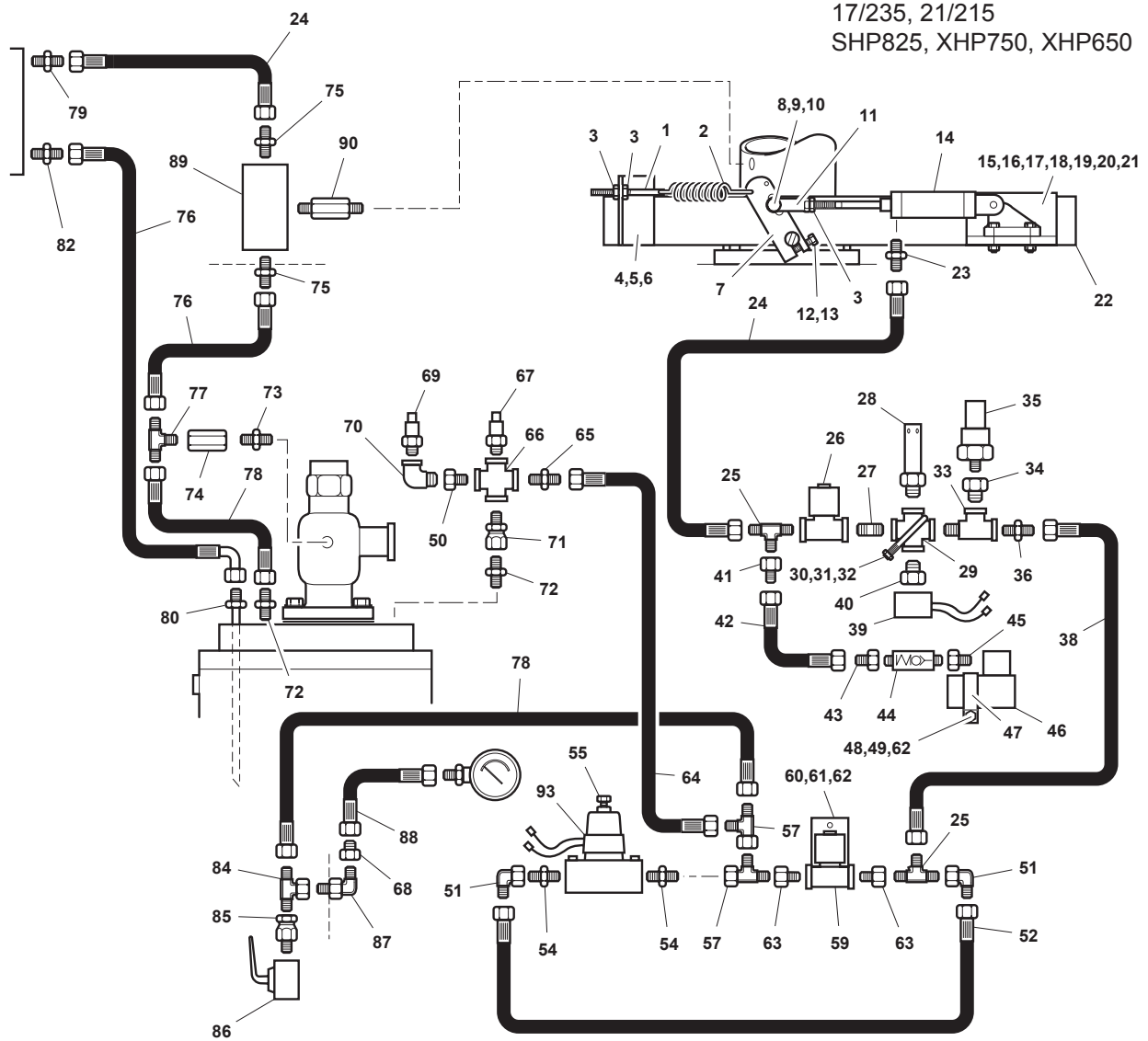
Regulation System



22560866_082_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
15	89202188	Bracket	1	Continued
16	92304492	Nut	4	
17	92340058	Screw	4	
18	--			
19	92304583	Washer	8	
20	36889608	Screw	2	
21	36881886	Nut	2	
22	89201768	Bracket	1	
23	92118462	Adaptor	1	
24	92079474	Hose Assembly	2	
25	35283050	Tee	2	Continued.....
26	36842318	Valve, Solenoid	1	
27	95242442	Nipple	1	

Regulation System

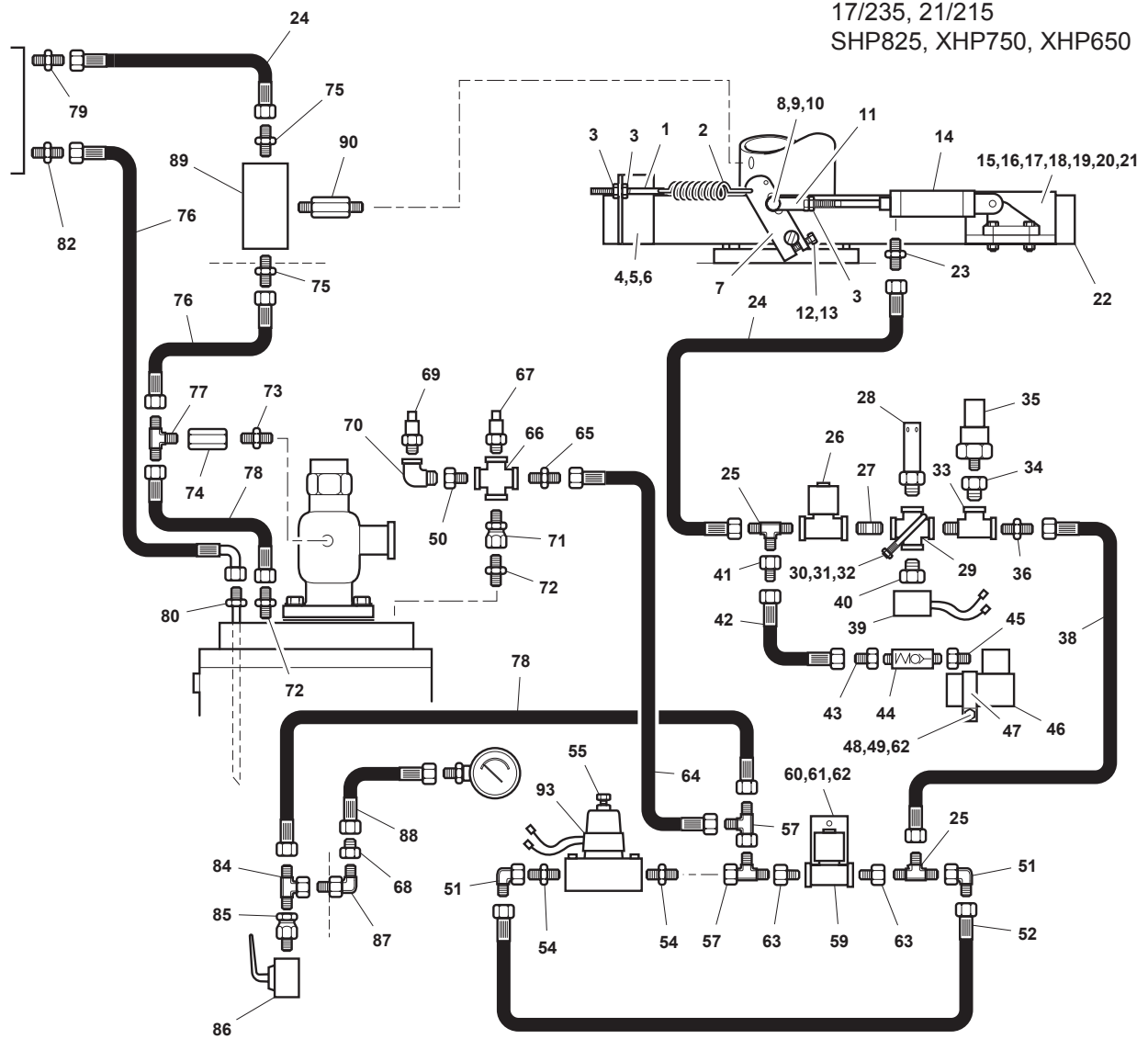


22560866_082_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
28	35325133	Valve, Safety	1	Continued
29	95588505	Cross	1	
30	35166404	U-Bolt	1	
31	95935029	Washer	1	
32	95923298	Nut	1	
33	95944690	Tee	1	
34	95930301	Adaptor	1	
35	36920825	Transducer, Pressure	1	
36	35284082	Adaptor	1	
37	--			
38	35284504	Hose Assembly	1	(0-100psi)
39	36841526	Heater	1	
40	35322346	Orifice	1	

Continued.....

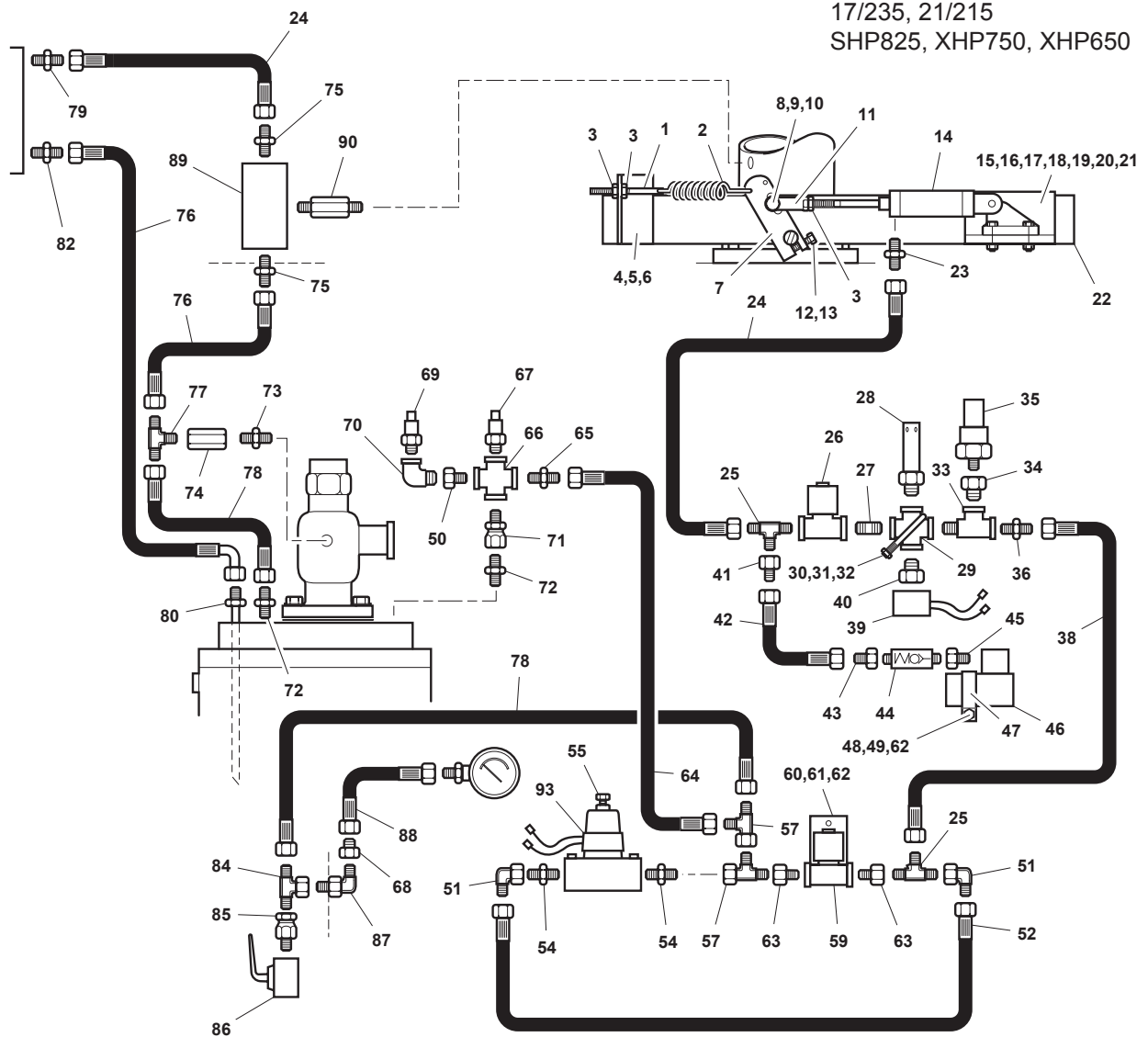
Regulation System



22560866_082_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
41	35306091	Adaptor	1	Continued
42	35282920	Hose Assembly	1	
43	35294487	Adaptor	1	
44	35248145	Valve, Check	1	
45	22246714	Adaptor	1	
46	36850691	Compressor	1	
47	35119718	Clamp	2	
48	36898096	Screw	2	
49	95935029	Washer	2	
50	95953899	Reducer	1	
51	35283068	Elbow	2	
52	35323724	Hose Assembly	1	
53	--			Continued.....

Regulation System

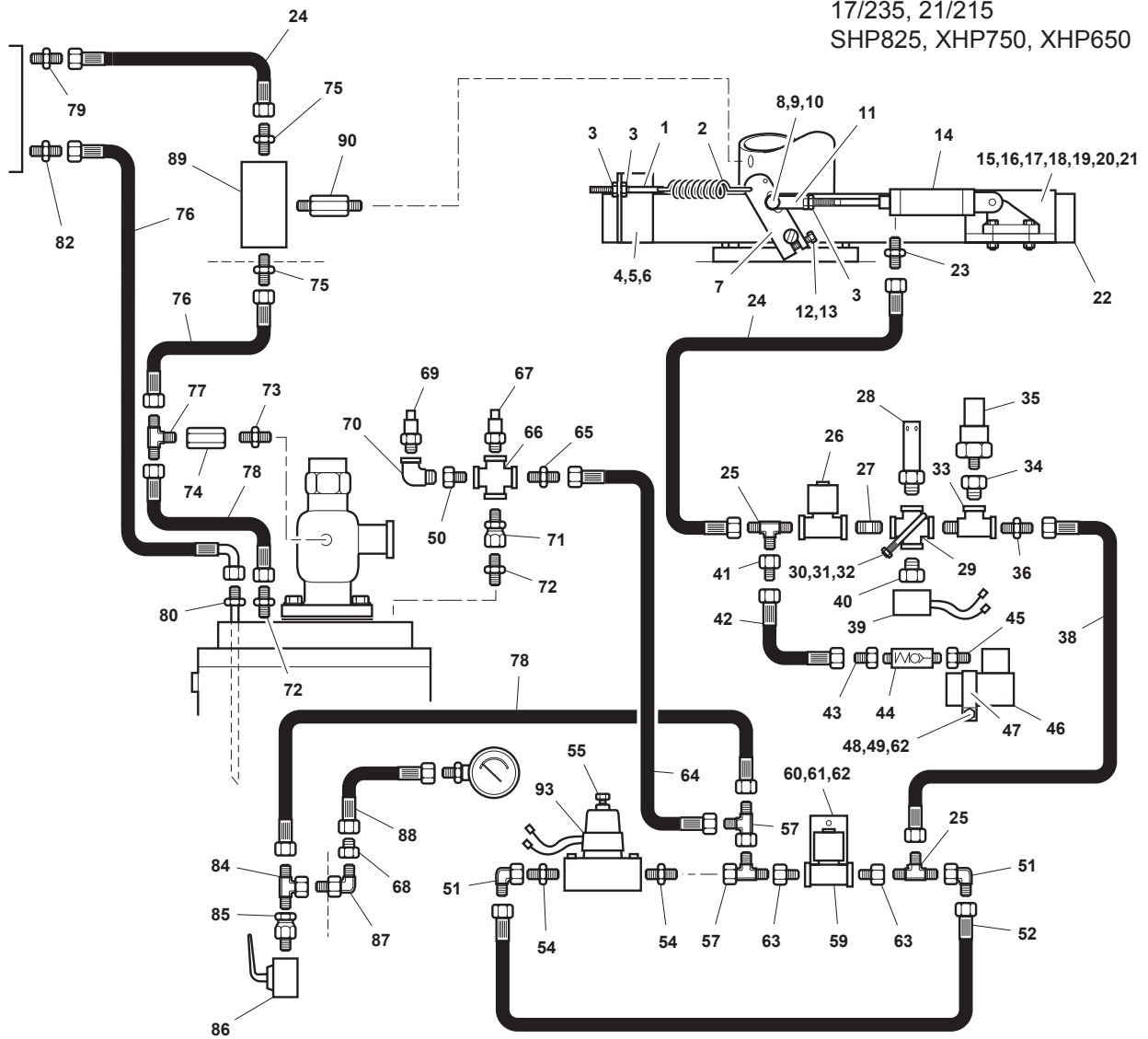


22560866_082_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
54	92478387	Adaptor	2	 <i>Continued</i>
55	92956093	Regulator	1	
56	--			
57	95415667	Tee	2	
58	--			
59	36842300	Valve, Solenoid	1	
60	22130314	Bracket	1	
61	36898096	Screw	1	
62	36898104	Nut	3	
63	95940748	Adaptor	2	
64	35294719	Hose Assembly	1	<i>Continued</i>
65	35290147	Adaptor	1	
66	95659280	Cross	1	
67	36898922	Sensor, Temperature	1	

Regulation System

17/235, 21/215
SHP825, XHP750, XHP650

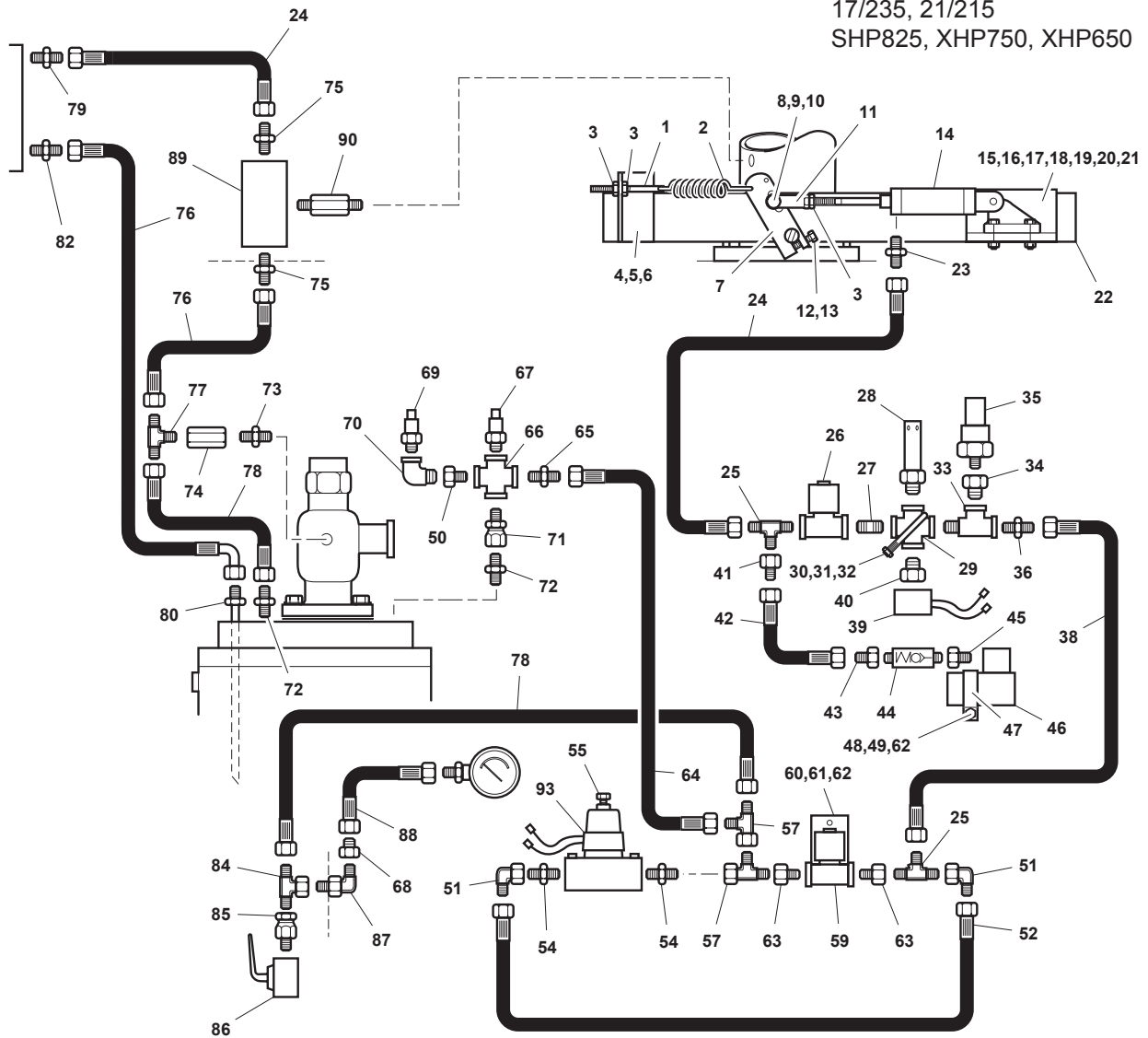


22560866_082_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
68	35306091	Adaptor	1	Continued
69	54765946	Switch	1	
70	95757183	Elbow	1	
71	35290147	Adaptor	1	
72	92042936	Adaptor	2	
73	92415363	Adaptor	1	
74	92101054	Valve, Check	1	
75	92042936	Adaptor	2	
76	54718432	Hose Assembly	2	
77	92971803	Tee	1	
78	35283282	Hose Assembly	2	
79	95938114	Adaptor	1	Continued.....
80	22231476	Scavenge Tube	1	

Regulation System

17/235, 21/215
SHP825, XHP750, XHP650

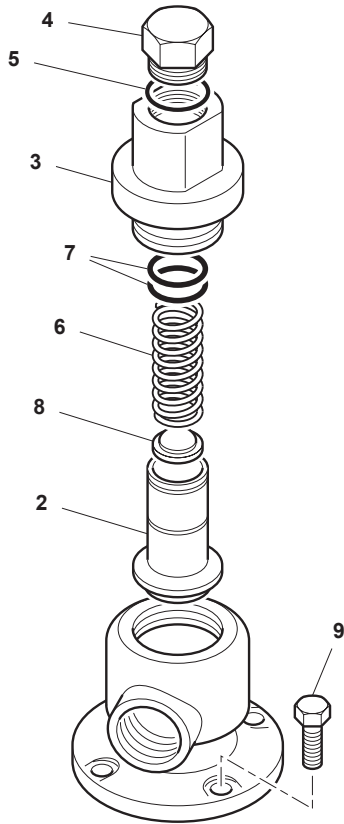


22560866_082_11/04_A

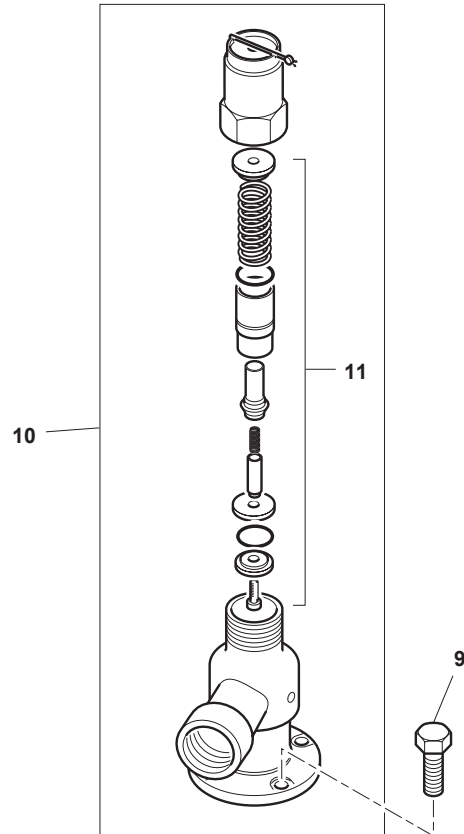
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
81	--			Continued
82	92955244	Adaptor, Orifice	1	
83	35283282	Hose Assembly	1	
84	35283092	Tee	1	
85	35367846	Adaptor	1	
86	35324839	Valve, Ball	1	
87	36852499	Elbow	1	
88	35283241	Hose Assembly	1	
89	92892959	Valve, Auto Blowdown	1	
90	92971811	Adaptor, Orifice	1	
91	92042936	Adaptor	1	
92	92079479	Hose Assembly	1	
93	36854677	Heater	1	

Regulation System

9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935,
XP950, XP1060



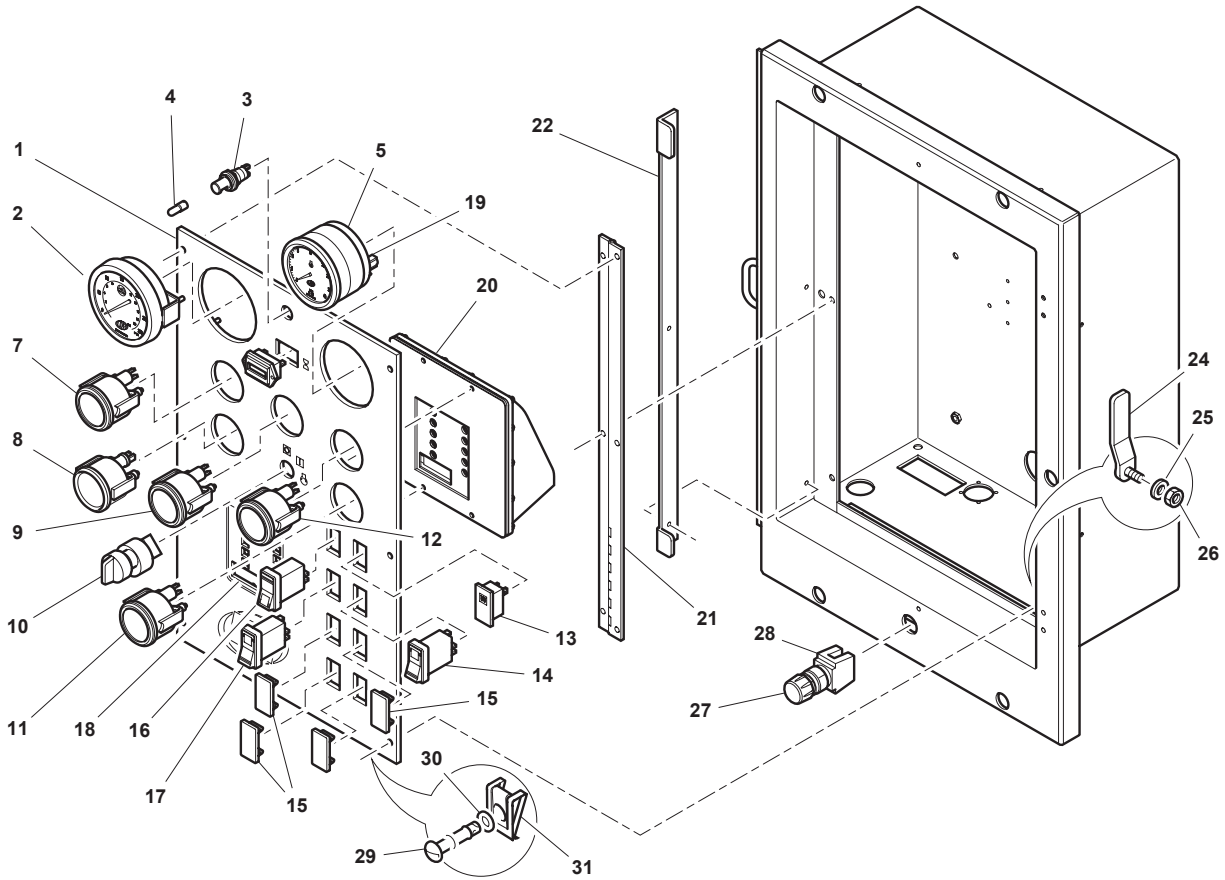
17/235, 21/215
SHP825, XHP750, XHP650



22560866_089_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-8	54571765	Valve, Minimum Pressure 9/230, 9/270, 9/300, 12/235 VHP750, MHP825, HP935, XP950, XP1060	1	
1	89286785	Body	1	
2	92044098	Piston	1	
3	92061944	Housing	1	
4	35579630	Plug	1	
5	35279942	O-Ring	1	
6	35318161	Spring	1	
7	95823688	O-Ring	2	
8	92032648	Spacer	1	
9	35375385	Screw	4	
10	92892975	Valve, Minimum Pressure 17/235, 21/215, SHP825, XHP750, XHP650	1	
11	92951075	Kit, Minimum Pressure Valve 17/235, 21/215, SHP825, XHP750, XHP650	1	

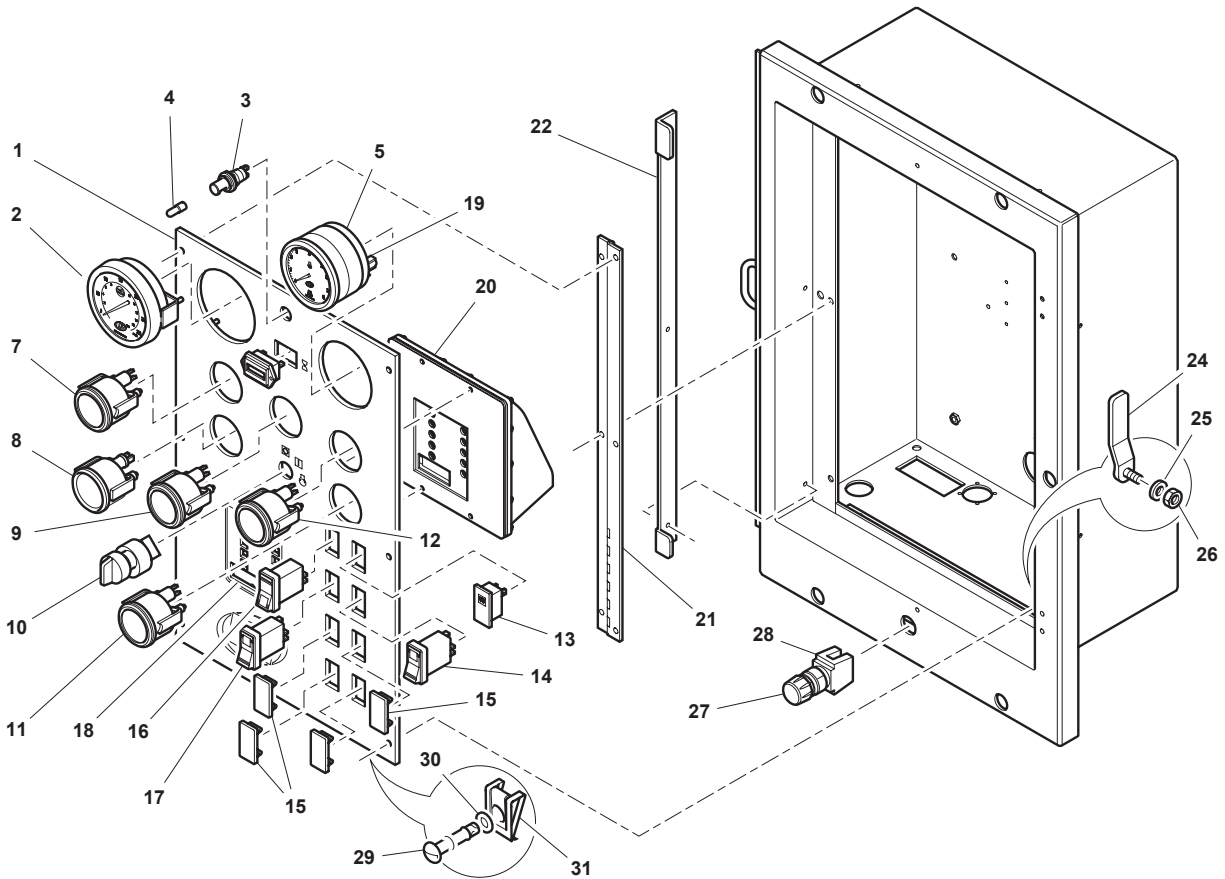
Instrumentation/Electrical System



22560866_090_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22105571	Panel	1	
2	22105639	Gauge, Pressure	1	(300psi)
	36841468	Gauge, Pressure	1	(600psi)
3	36852622	Light	1	
4	22113880	Bulb, Light	1	
5	22055883	Tachometer Alternator	1	
6	54766704	Hourmeter	1	
7	22105613	Gauge, Temperature (Discharge)	1	S/N 332157 - 336844
	35604115	Gauge, Temperature (Discharge)	1	S/N 336845 - 339151
	22327266	Gauge, Temperature (Discharge)	1	S/N 339152 - >
8	36841153	Gauge, Voltmeter	1	
9	22050991	Gauge, Fuel	1	
10	22134118	Switch, Start	1	
11	22277057	Gauge, Pressure	1	S/N 332157 - 336844
	36870590	Gauge, Pressure	1	S/N 336845 - 339151
	22277057	Gauge, Pressure	1	S/N 339152 - >
12	22105621	Gauge, Water Temperature	1	S/N 332157 - 336844
	35604115	Gauge, Water Temperature	1	S/N 336845 - 339151
	22327266	Gauge, Water Temperature	1	S/N 339152 - >
13	22050553	Light Module	1	Continued.....

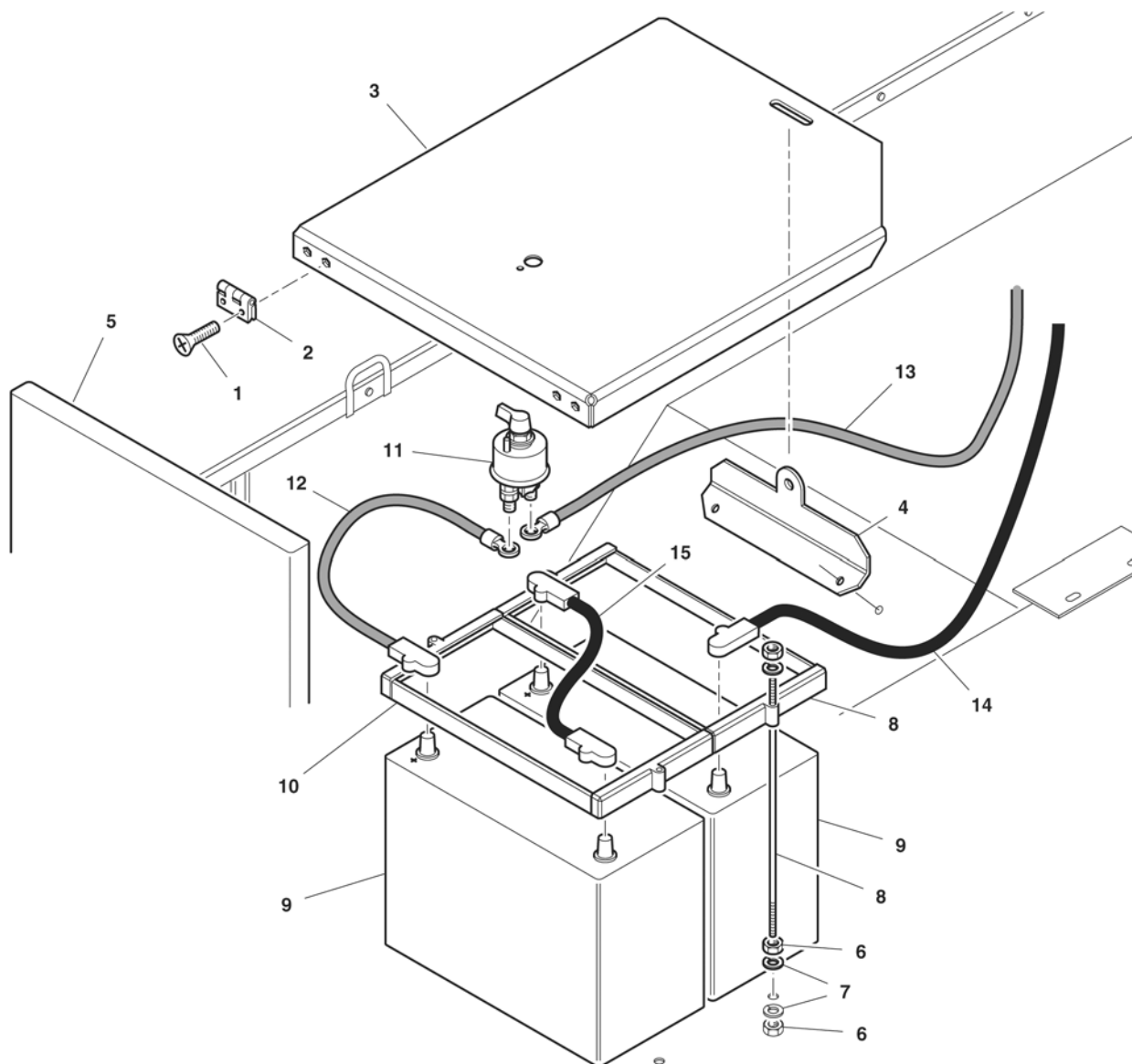
Instrumentation/Electrical System



22560866_090_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
14	22053896	Switch, Light	1	Continued
15	22054142	Cover	4	
16	22054076	Switch, Push after Warm Up	1	
17	22054050	Switch, Heater	1	
18	22055800	Decal	1	
19	22054159	Nut	2	
20	22173579	Wedge Controller	1	
21	36840908	Hinge	1	
22	22105134	Support	1	
23	--			
24	35603349	Latch	1	
25	95935037	Washer	1	
26	35273366	Nut	1	
27	89303127	Button, Emergency Stop	1	
28	89303135	Contact Modules, Emergency Stop	2	
29	36844124	Fastener - 1/4 Turn	3	
30	35369180	Retainer	3	
31	35314582	Receptacle, Fastener	3	

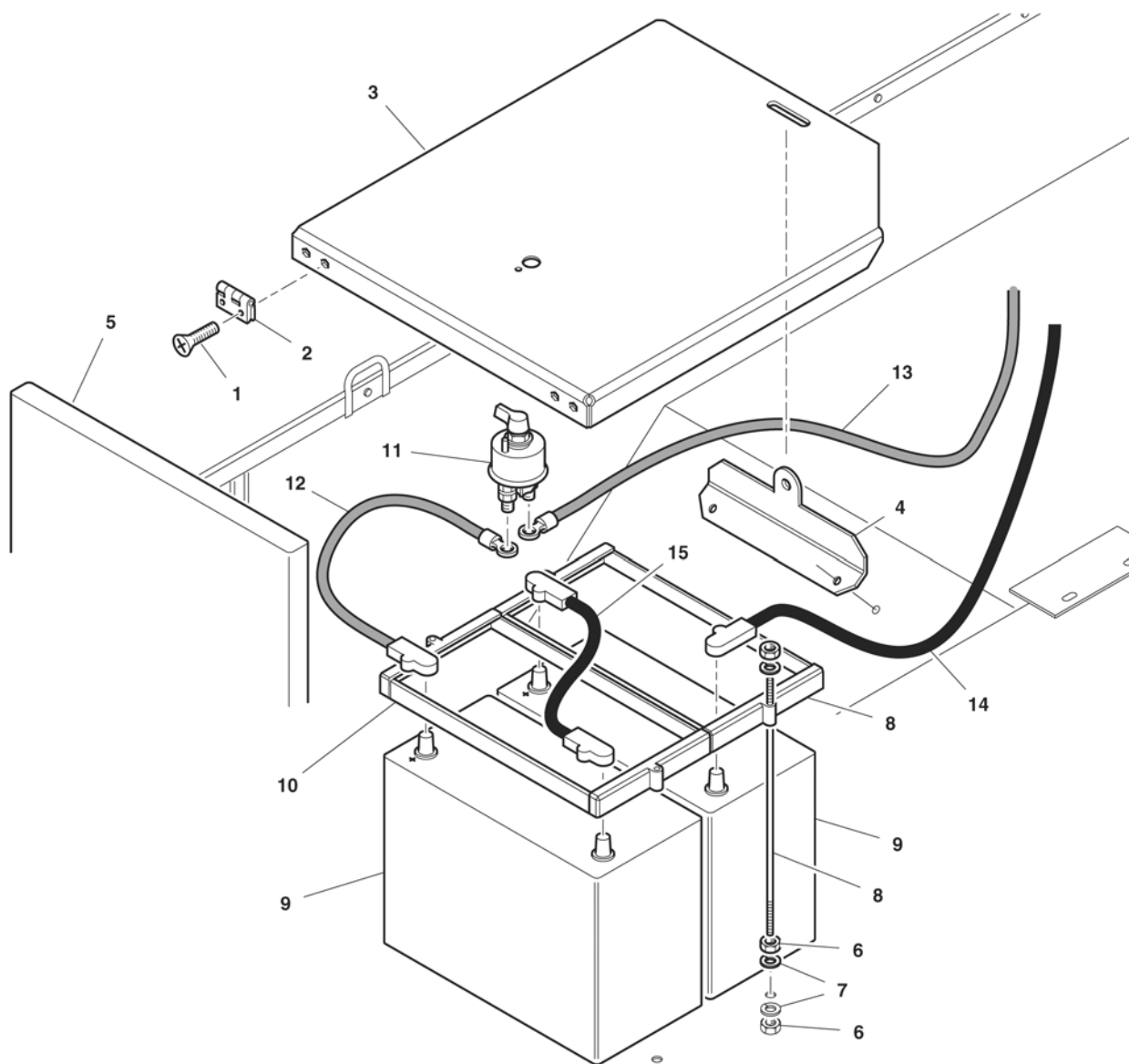
Instrumentation/Electrical System



22560866_092_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	96745807	Screw	8	
2	88152392	Hinge	2	
3	22099477	Cover, SRG	1	
	22099469	Cover, HSRG	1	
4	22099584	Latch, SRG	1	
	22101067	Latch, HSRG	1	
5	22101059	Hinge Bracket, HSRG	1	Continued.....
6	92398106	Nut	12	

Instrumentation/Electrical System

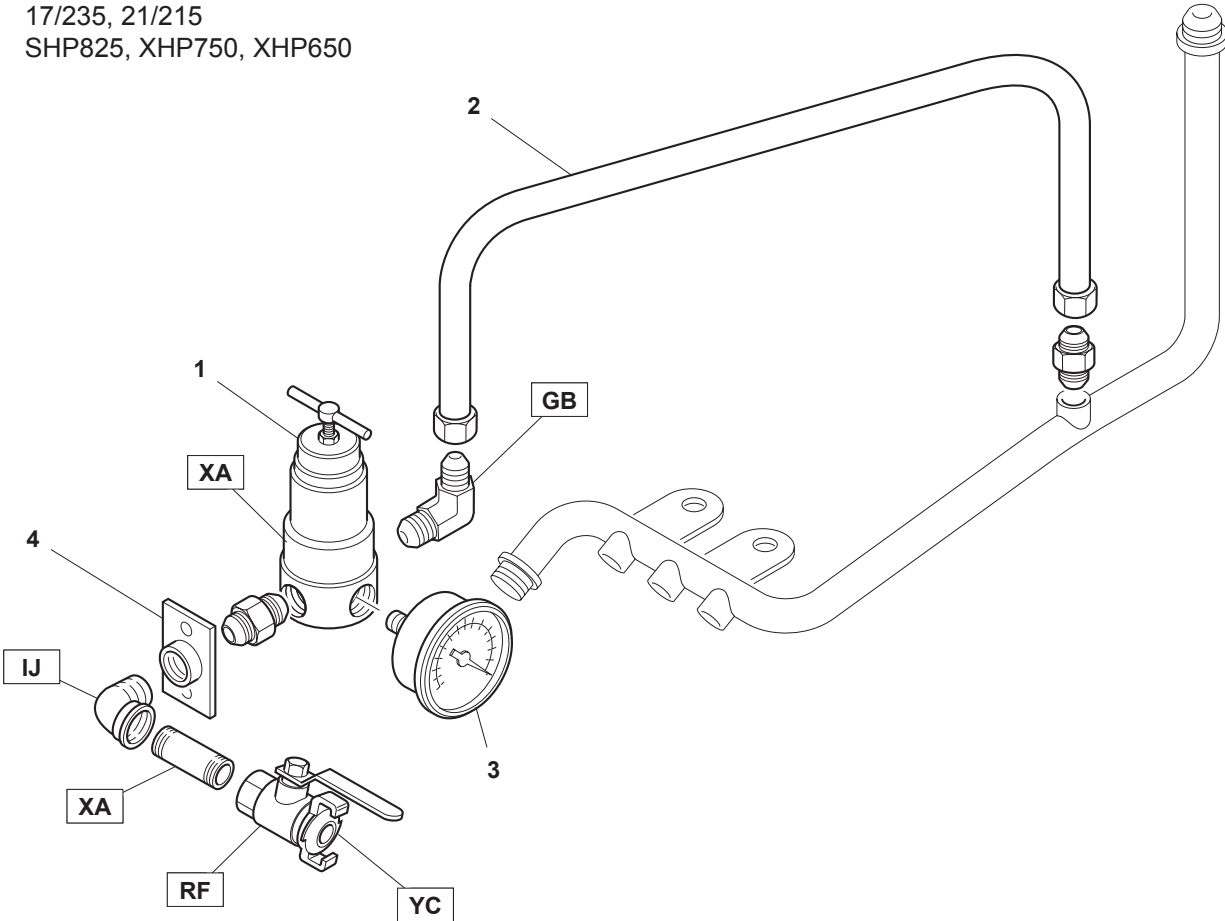


22560866_092_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
7	92341981	Washer	8	Continued
8	92776749	Stud	4	
9	36844975	Battery	2	
10	88114954	Clamp	2	
11	36896975	Switch	1	
12	54511282	Cable	1	
13	54658331	Cable	1	
14	54658323	Cable	1	
15	35258789	Cable	1	

Option - Pressure Reducer

17/235, 21/215
SHP825, XHP750, XHP650

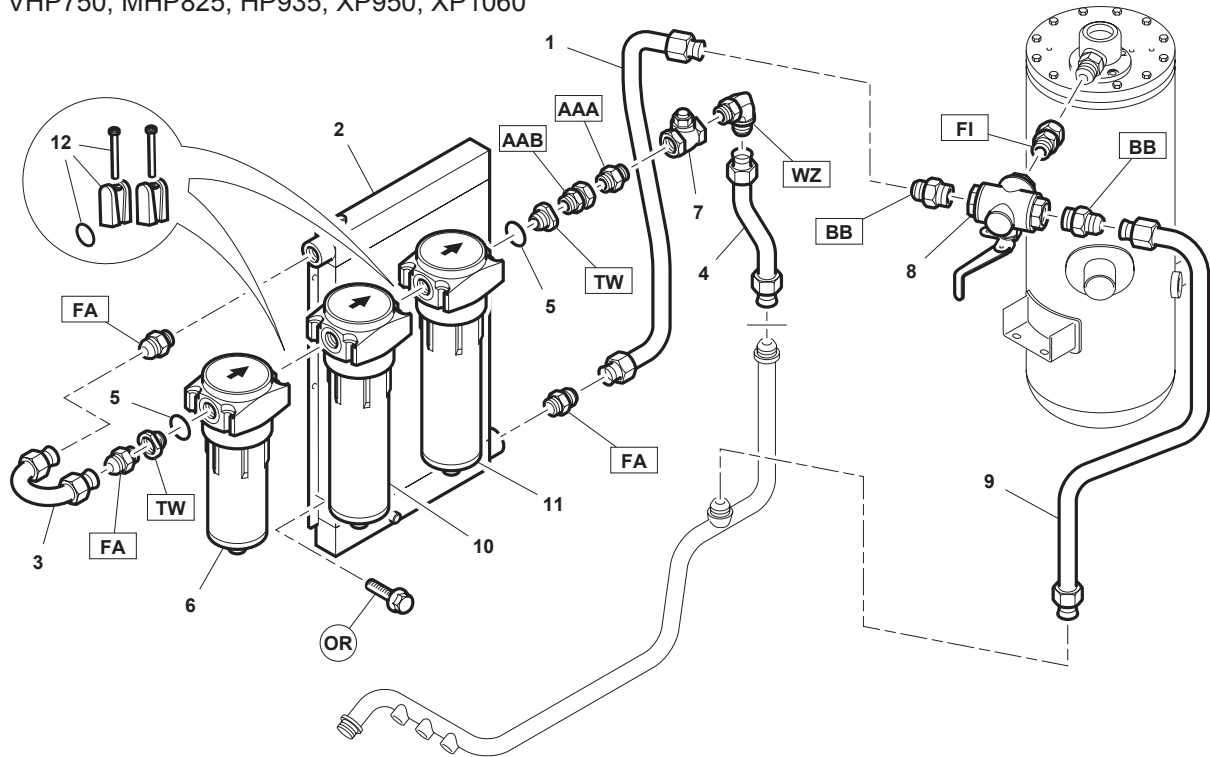


22560866_094_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	92956952	Valve, Pressure Reducer	1	
2	54575972	Tube Assembly	1	
3	92957091	Gauge, Pressure	1	
4	92956945	Adaptor	1	

Option - IQ LP

9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935, XP950, XP1060

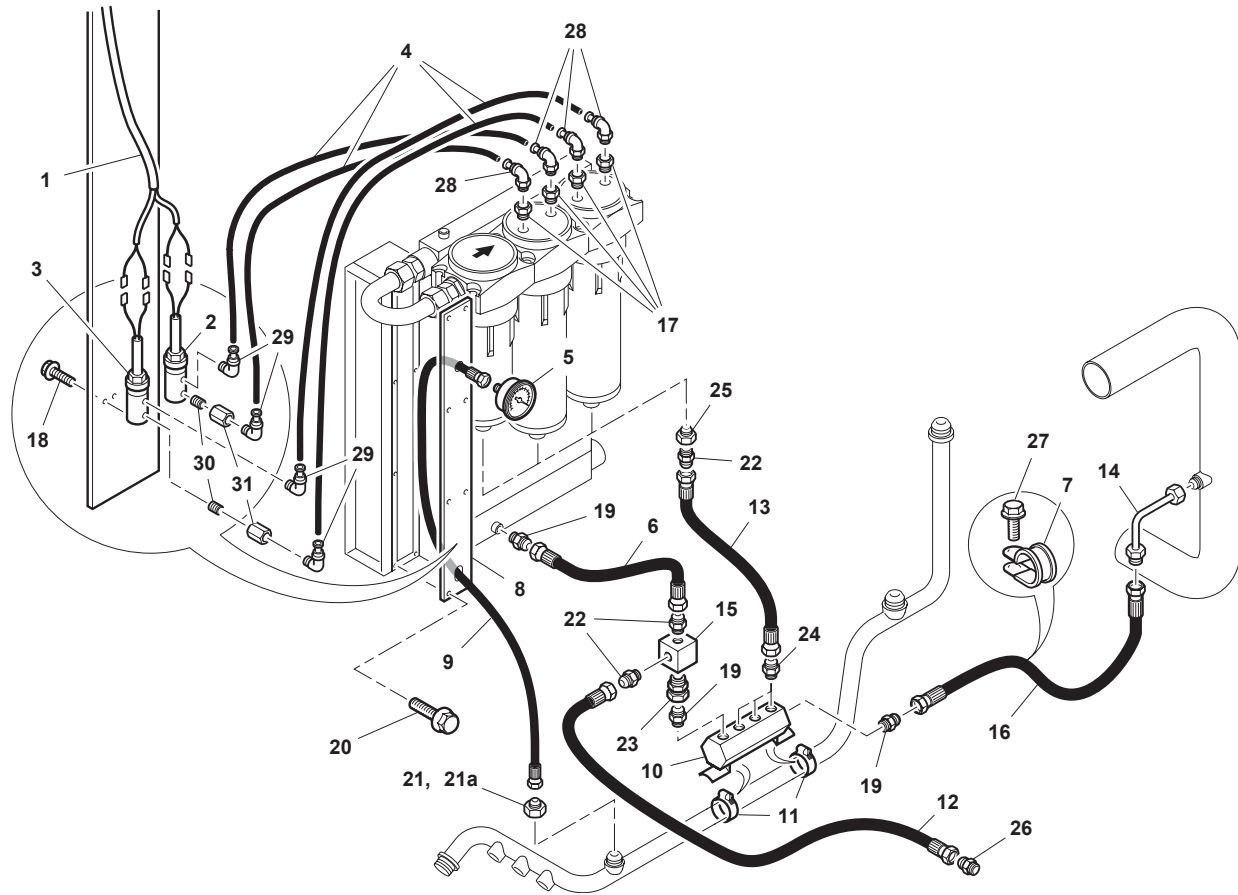


22560866_095_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	54575980	Tube Assembly	1	
2	54709944	Aftercooler	1	
3	54635602	Tube Assembly	1	
4	54635610	Tube Assembly	1	
5	92864115	Seal	2	
6	91112201	Separator, Water	1	
7	54635586	Valve, Check	1	
8	54576079	Valve	1	
8a	54592001	Plate, Valve	1	
8b	95928321	Washer	2	
8c	54591961	Handle, Valve	1	
8d	96702055	Screw	1	
9	54576012	Tube Assembly	1	
10	92451962	Filter	1	
10a	54739057	Element	1	
11	92452192	Filter	1	
11a	54739065	Element	1	
12	91198671	Kit - Fixing	2	

Option - IQ

9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935, XP950, XP1060

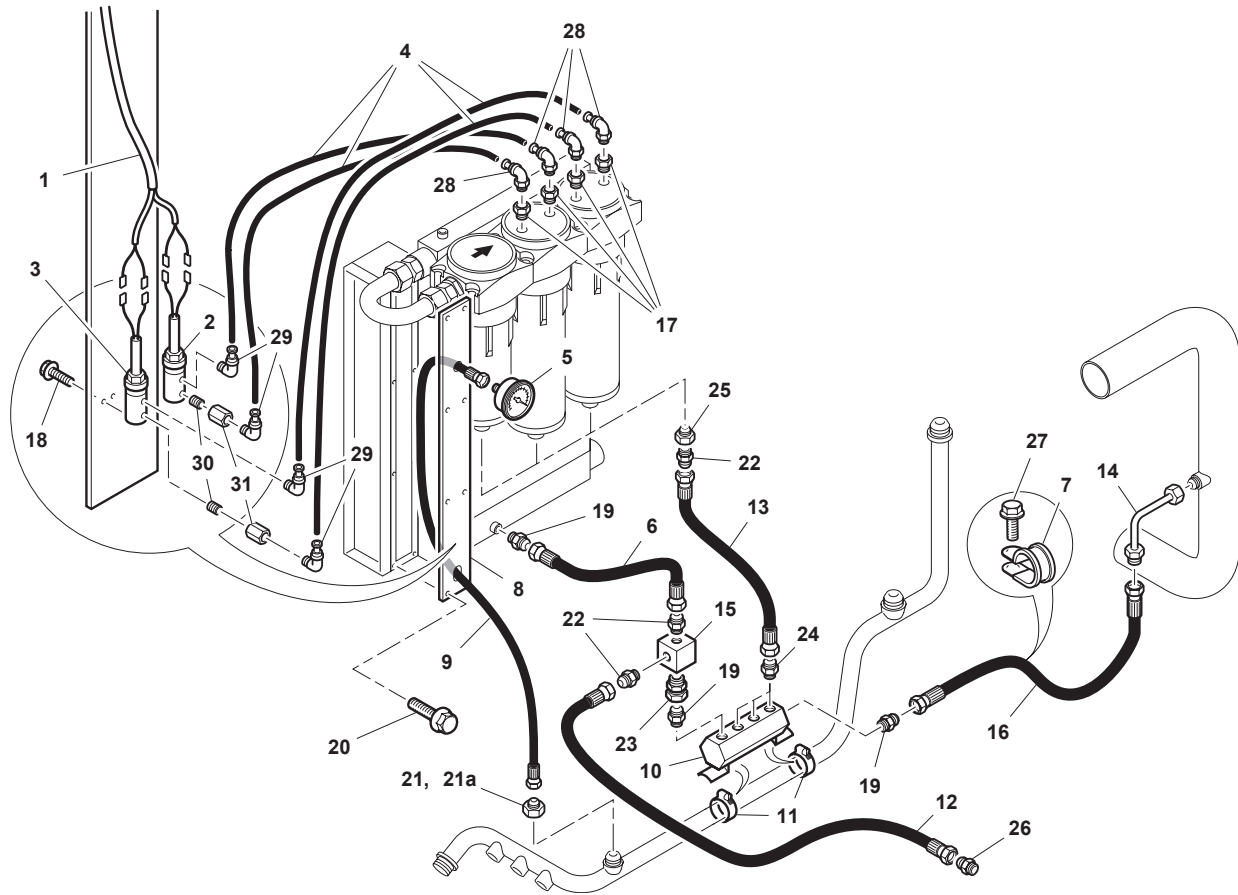


22560866_096_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22162572	Harness	1	
2	36899615	Indicator	1	
3	36899599	Indicator	1	
4	35335715	Tube (Nylon)	AR	
5	54640255	Gauge, Pressure	1	
6	35323724	Hose Assembly	1	
7	35225093	Clip, Retaining	1	
8	55571450	Panel	1	
9	35283480	Hose Assembly	1	
10	54578711	Manifold	1	
11	35221639	Clip, Retaining	2	
12	35282987	Hose Assembly	1	
13	35311471	Hose Assembly	3	
14	54578869	Tube Assembly	1	
15	35322379	Valve, Blowdown	1	
16	54579404	Hose Assembly	1	Continued.....

Option - IQ

9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935, XP950, XP1060



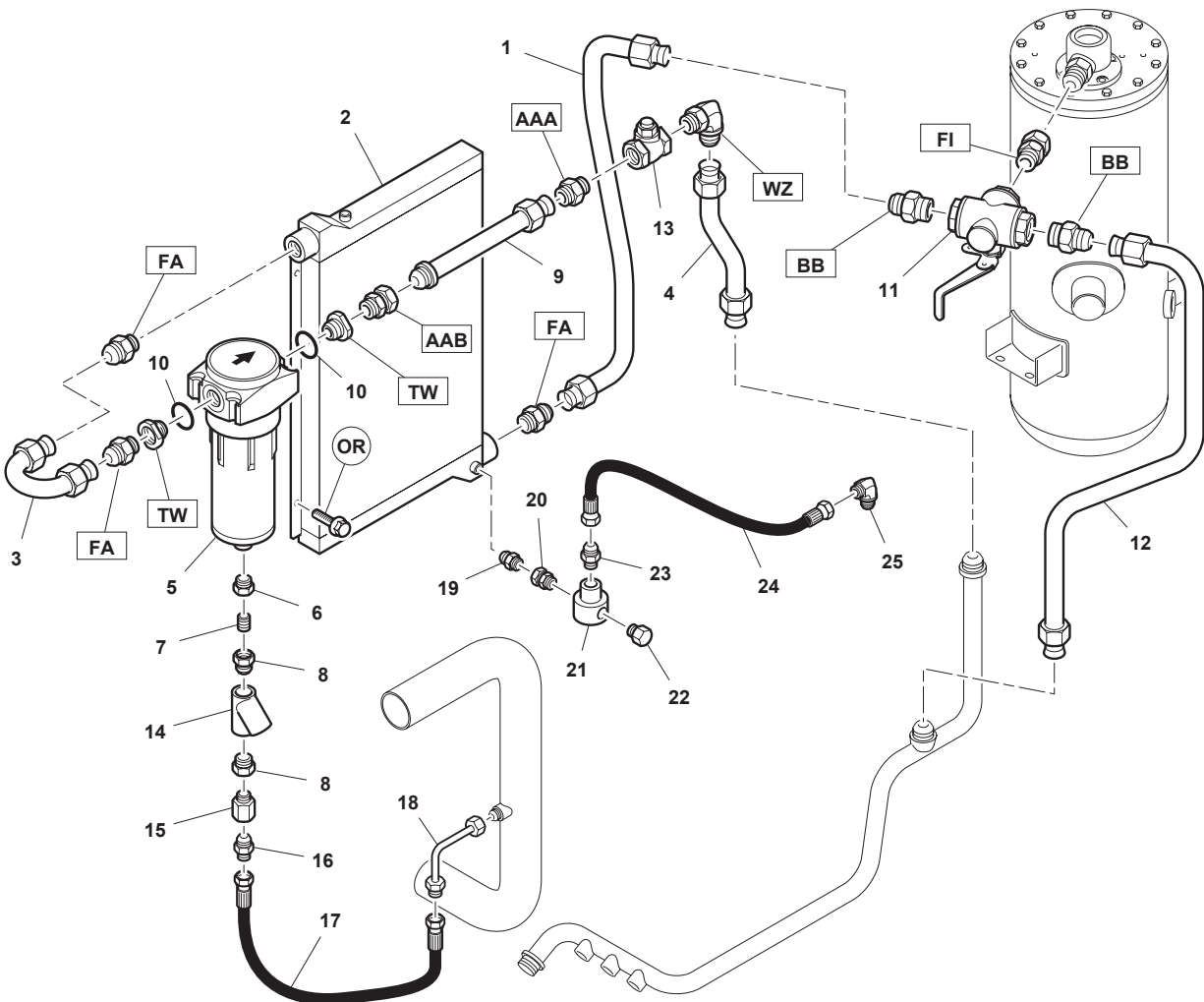
22560866_096_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
17	54598784	Adaptor	4	Continued
18	95934774	Screw	4	
19	95365078	Adaptor	3	
20	36889608	Screw	6	
21	93186278	Adaptor	1	
21a	35324987	Nut	1	
22	35284082	Adaptor	5	
23	35367846	Adaptor	1	
24	54592167	Orifice	3	
25	89292411	Adaptor	3	
26	35279934	Adaptor	1	
27	36898096	Screw	1	
28	92902733	Elbow	4	
29	35369370	Elbow	4	
30	95953493	Nipple	2	
31	95935599	Coupling	2	

Option - Oil/Air Piping (Aftercooler)

9/230, 9/270, 9/300, 12/235

VHP750, MHP825, HP935, XP950, XP1060



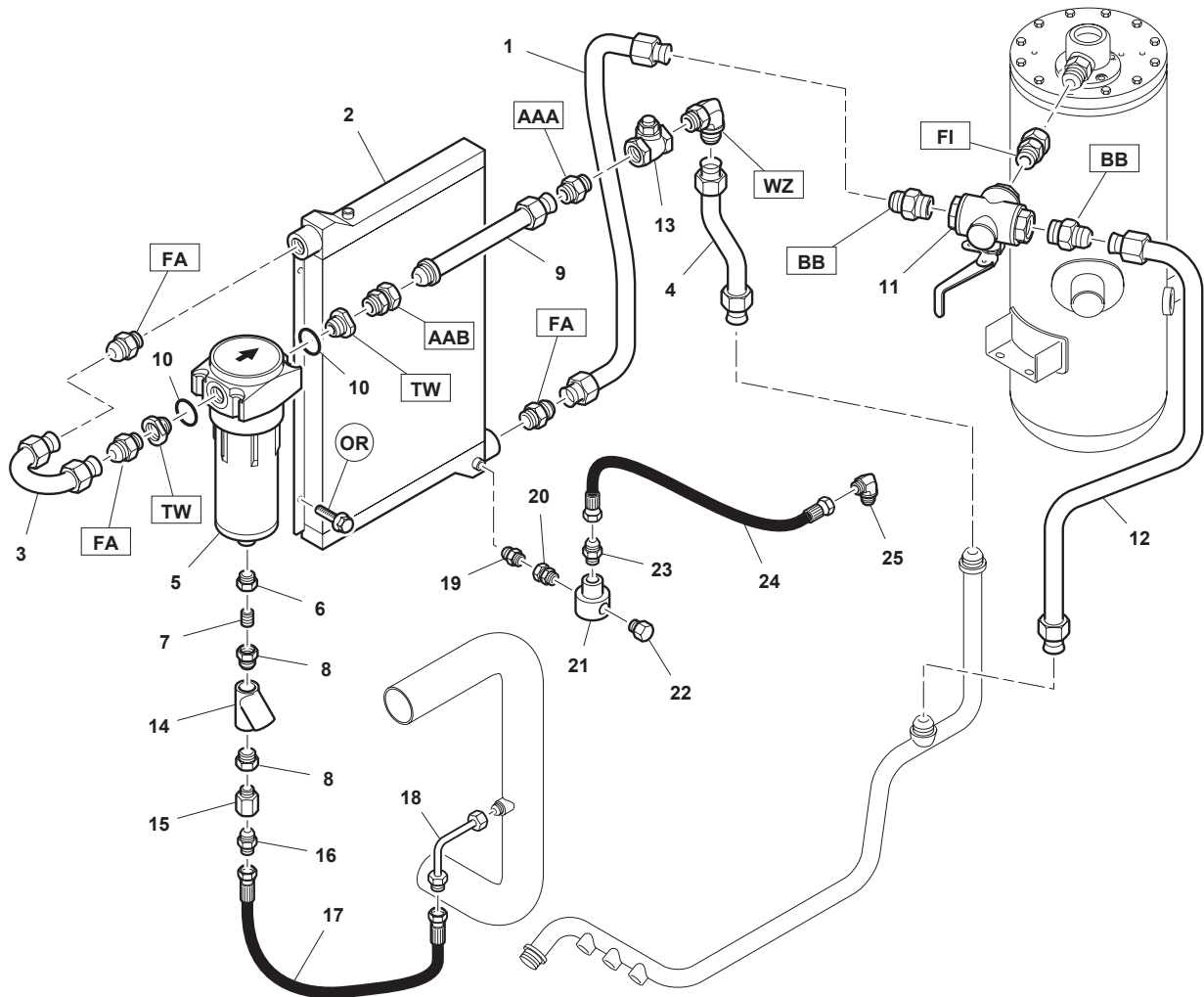
22560866_098_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	54575980	Tube Assembly	1	
2	54709944	Aftercooler	1	
3	46355602	Tube Assembly	1	
4	54635610	Tube Assembly	1	
5	91112201	Separator, Water	1	
6	89292411	Adaptor	1	
7	95944575	Nipple	1	
8	95940748	Adaptor	2	
9	54401583	Tube Assembly	1	
10	92864115	Seal	2	
11	54576079	Valve	1	
11a	54592001	Plate, Valve	1	
11b	95928321	Washer	2	
11c	54591961	Handle, Valve	1	
11d	96702055	Screw	1	

Continued.....

Option - Oil/Air Piping (Aftercooler)

9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935, XP950, XP1060

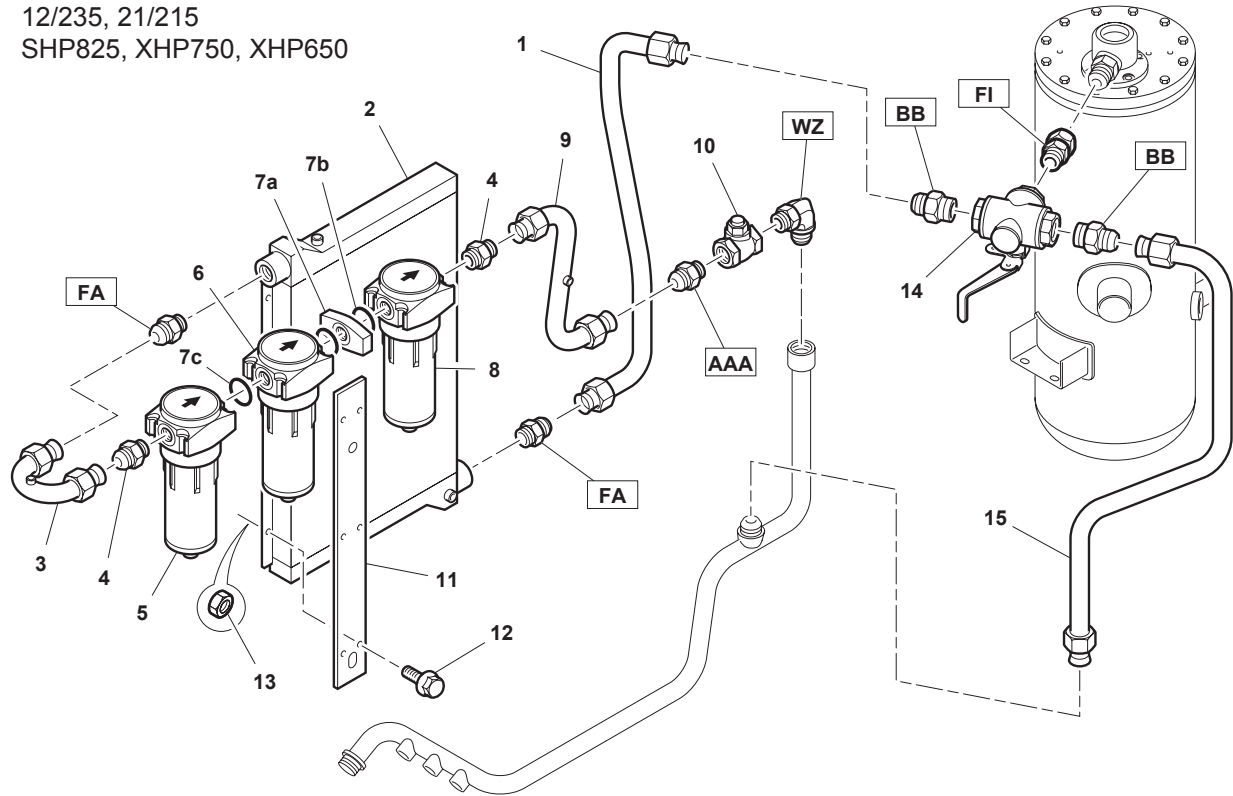


22560866_098_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
12	54576012	Tube Assembly	1	Continued
13	54635586	Valve, Check	1	
14	36844579	Y-Strainer	1	
15	37081528	Orifice	1	
16	35284082	Adaptor	1	
17	22285795	Hose Assembly	1	
18	54578869	Tube Assembly	1	
19	95365078	Connector	1	
20	35367846	Adaptor	1	
21	35322379	Valve, Blowdown	1	
22	35248319	Orifice	1	
23	35279934	Connector	1	
24	35283081	Hose Assembly	1	
25	35279934	Elbow	1	

Option - IQ Dual Filter

12/235, 21/215
SHP825, XHP750, XHP650

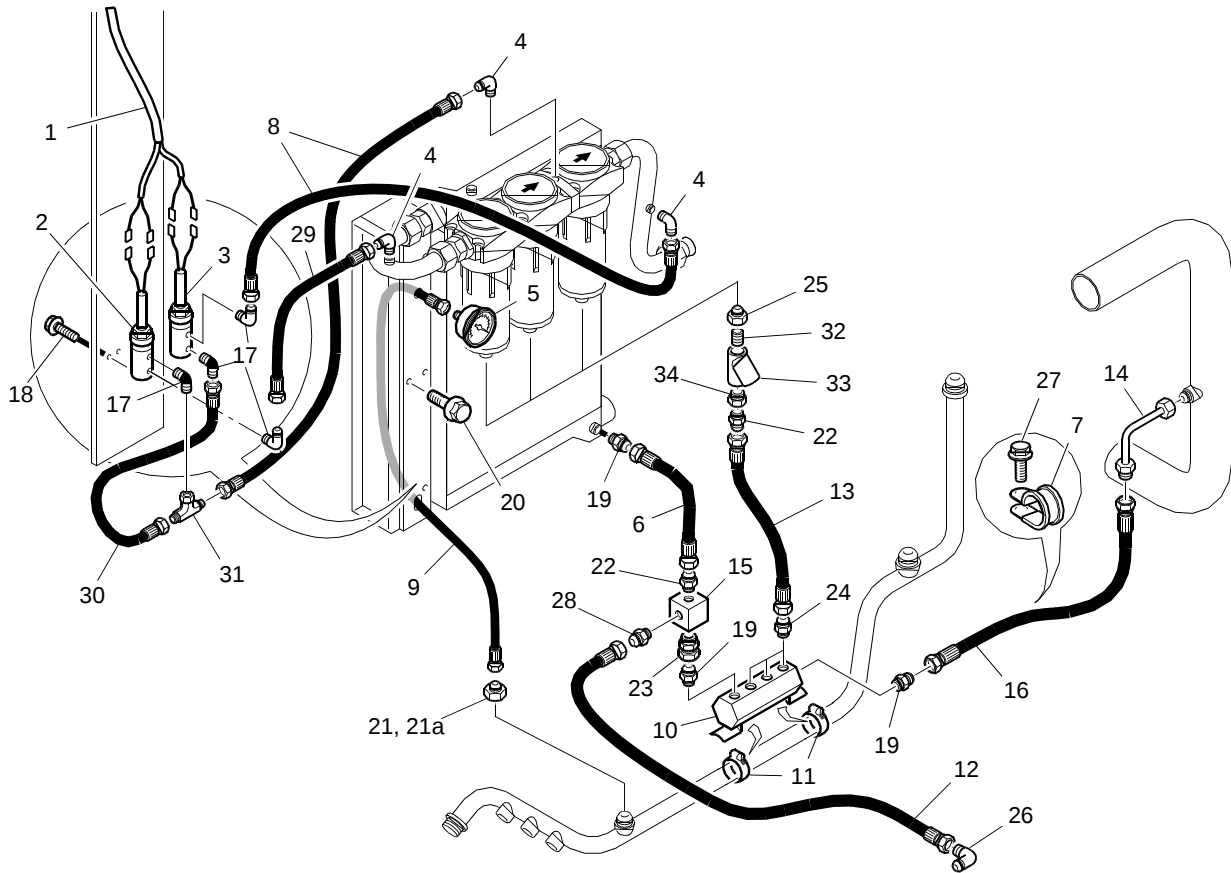


22560866_100_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	54576004	Tube Assembly	1	
2	54709944	Aftercooler	1	
3	54635602	Tube Assembly	1	
4	35335124	Connector	2	
5	54731617	Separator, Water	1	
6	54731625	Filter, Primary	1	
7	54739008	Kit, Water Separator Mounting	1	
7a	22068845	Spacer, Filter Port	1	
7b	22243141	O-Ring, IQ Filter Spacer	2	
7c	22243158	O-Ring, IQ Filter	1	
7d	N.S.S	Tie Rod, IQ Filter Assembly	2	
8	54738992	Filter, Secondary	1	
9	22290019	Tube Assembly	1	
10	54635586	Valve, Check	1	
11	54571450	Plate, Aftercooler	1	
12	36889608	Screw	6	
13	36881886	Nut	6	
14	54576079	Valve	1	
14a	54592001	Plate, Valve	1	
14b	95928321	Washer	2	
14c	54591961	Handle, Valve	1	
14d	96702055	Screw	1	
15	54576020	Tube Assembly	1	

Option - IQ Dual Filter

12/235, 21/215
SHP825, XHP750, XHP650

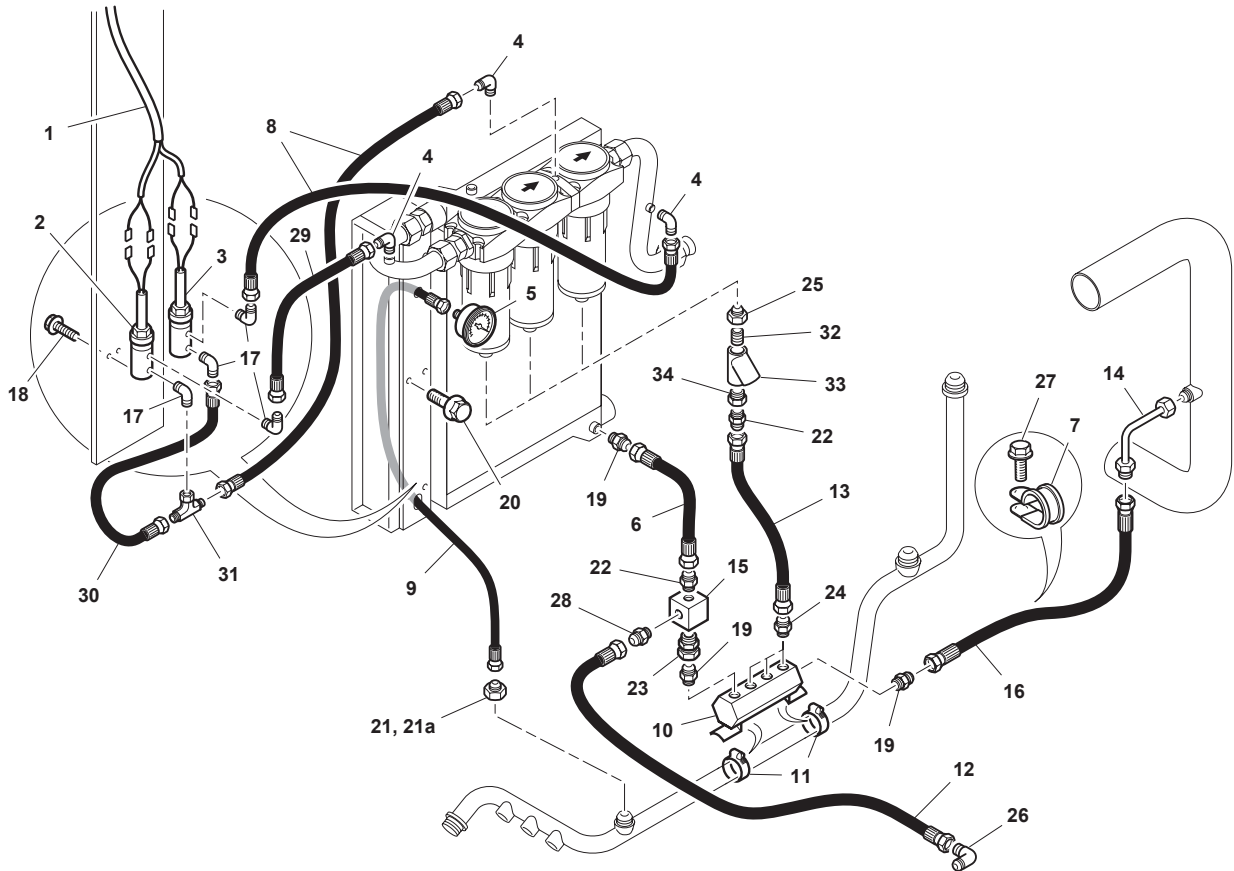


22560866_101_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22162572	Harness	1	
2	36899615	Indicator	1	
3	36899599	Indicator	1	
4	35283464	Elbow	4	
5	54640255	Gauge, Pressure	1	
6	35323724	Hose Assembly	1	
7	35225093	Clip, Retaining	1	
8	35283480	Hose Assembly	2	
9	35283480	Hose Assembly	1	
10	54578711	Manifold	1	
11	35221639	Clip, Retaining	2	
12	35283498	Hose Assembly	1	
13	35311471	Hose Assembly	3	
14	54578869	Tube Assembly	1	
15	35322379	Valve, Blowdown	1	
16	54579404	Hose Assembly	1	
17	35306687	Elbow	4	Continued.....

Option - IQ Dual Filter

12/235, 21/215
SHP825, XHP750, XHP650

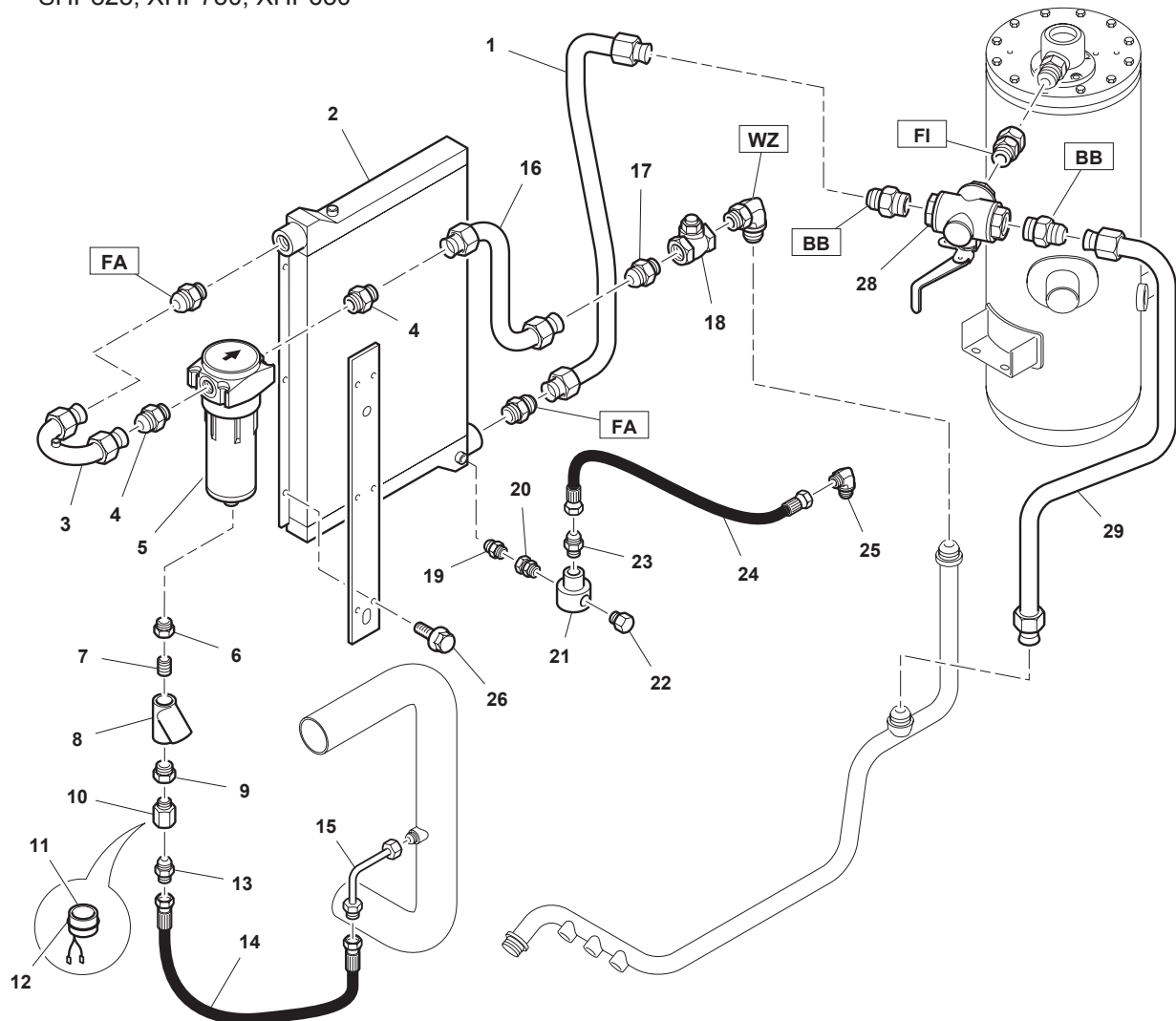


22560866_101_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
18	95934774	Screw	4	Continued
19	95365078	Adaptor	3	
20	36889608	Screw	6	
21	93186278	Adaptor	1	
21a	35324987	Nut	1	
22	35284082	Adaptor	5	
23	35367846	Adaptor	1	
24	54592167	Adaptor, Orifice	3	
25	95245353	Adaptor	3	
26	35301225	Elbow	1	
27	36898096	Screw	1	
28	35283472	Connector	1	
29	35288034	Hose Assembly	1	
30	35310960	Hose Assembly	1	
31	35323591	Tee	1	
32	95772562	Nipple	3	
33	36844579	Y-Strainer	3	
34	95940748	Adaptor	3	

Option - Oil/Air Piping (Aftercooler)

12/235, 21/215
SHP825, XHP750, XHP650

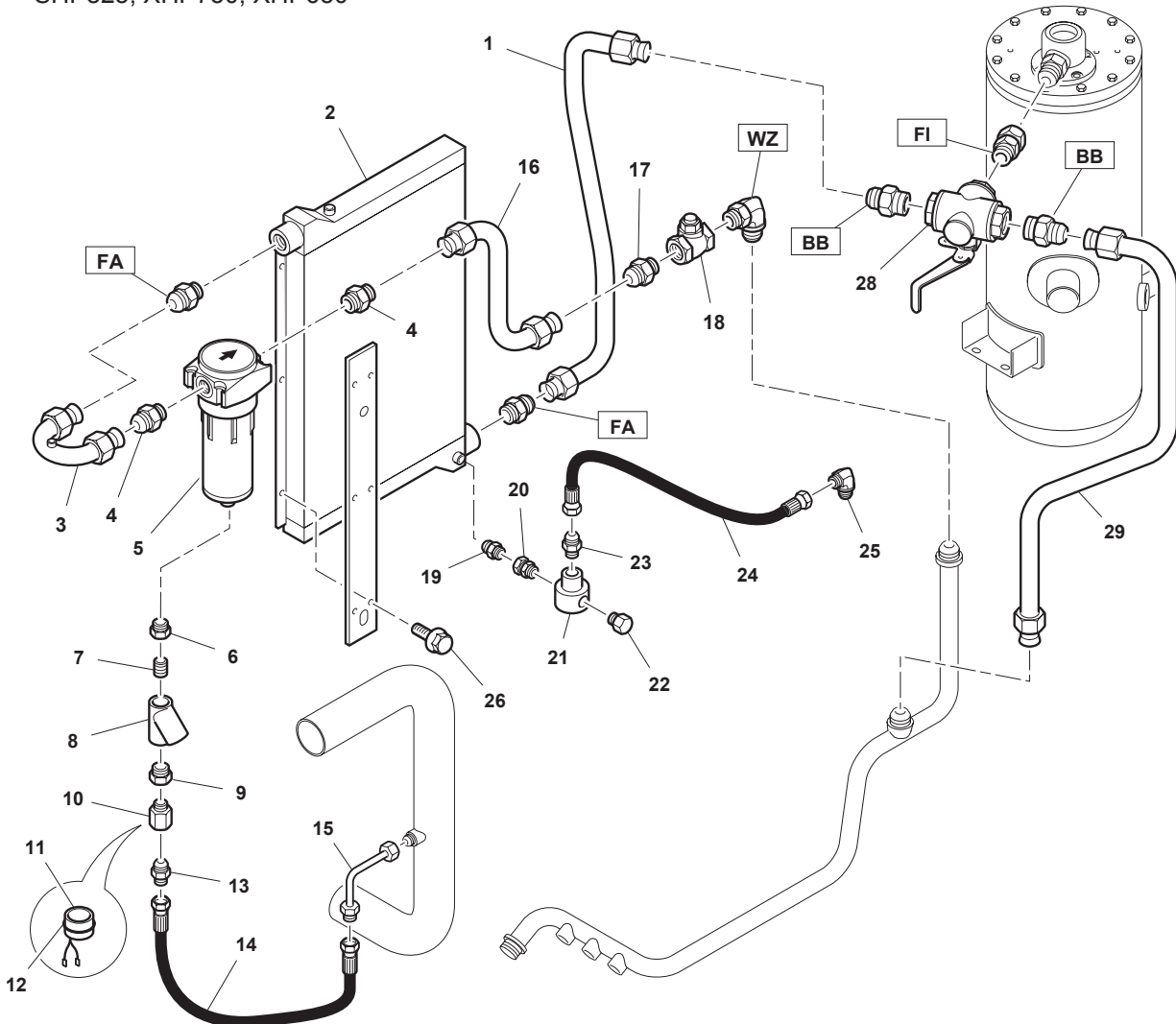


22560866_103_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	54575980	Tube Assembly	1	<i>Continued.....</i>
2	54709944	Aftercooler	1	
3	46355602	Tube Assembly	1	
4	35335124	Connector	2	
5	91112201	Separator, Water	1	
6	95245353	Adaptor	1	
7	95772562	Nipple	1	
8	36844579	Y-Strainer	1	
9	95940748	Bushing	1	
10	37081528	Orifice	1	
11	36841526	Heater	1	

Option - Oil/Air Piping (Aftercooler)

12/235, 21/215
SHP825, XHP750, XHP650

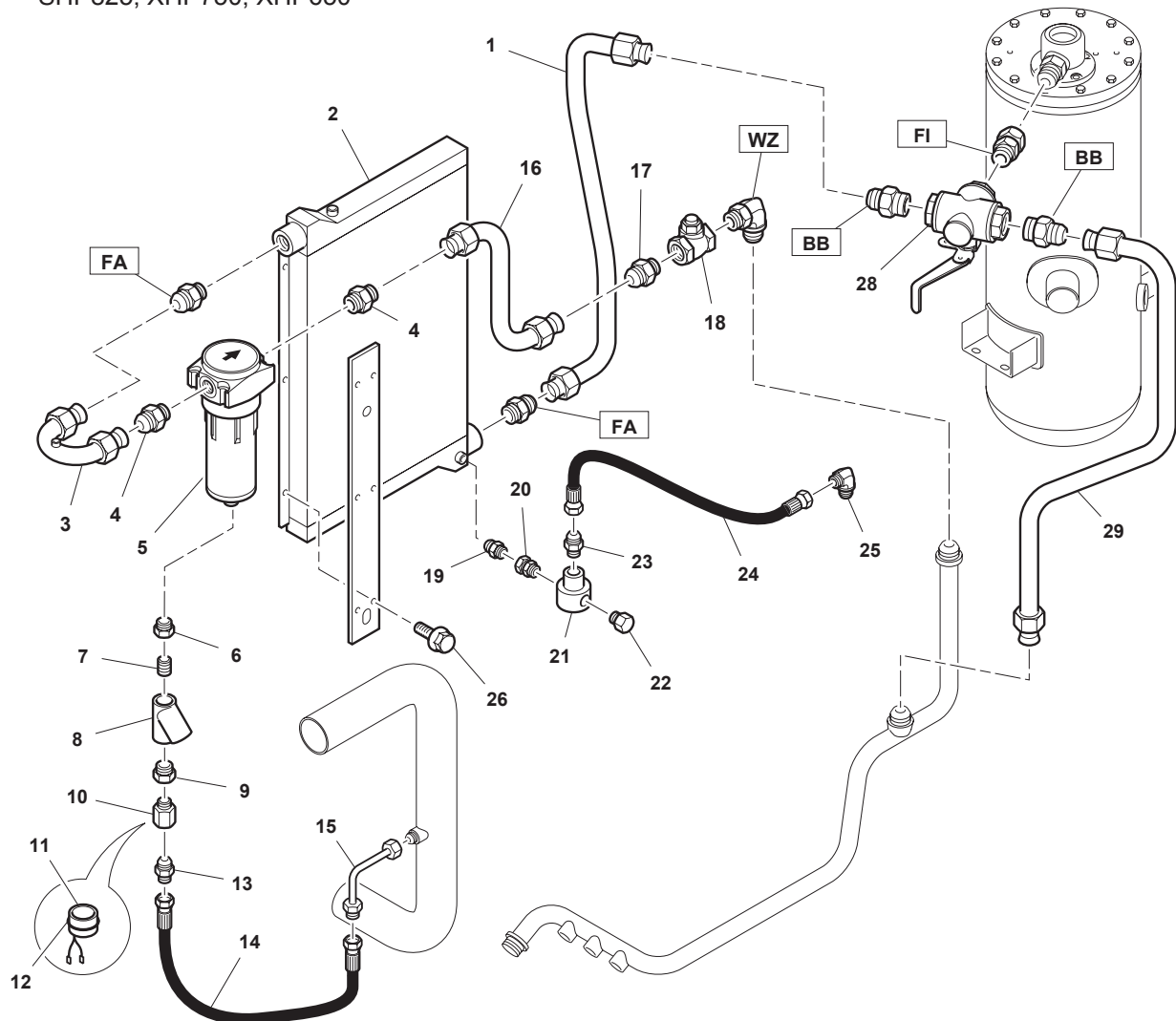


22560866_103_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
12	36847853	Tie	1	Continued
13	35284082	Connector	1	
14	22285795	Hose Assembly	1	
15	54578869	Tube Assembly	1	
16	22290027	Tube Assembly	1	
17	92756832	Connector	2	
18	54635586	Valve, Check	1	
19	95365078	Connector	1	
20	35367846	Adaptor	1	
21	35322379	Valve, Blowdown	1	
22	35248319	Orifice	1	
				Continued.....

Option - Oil/Air Piping (Aftercooler)

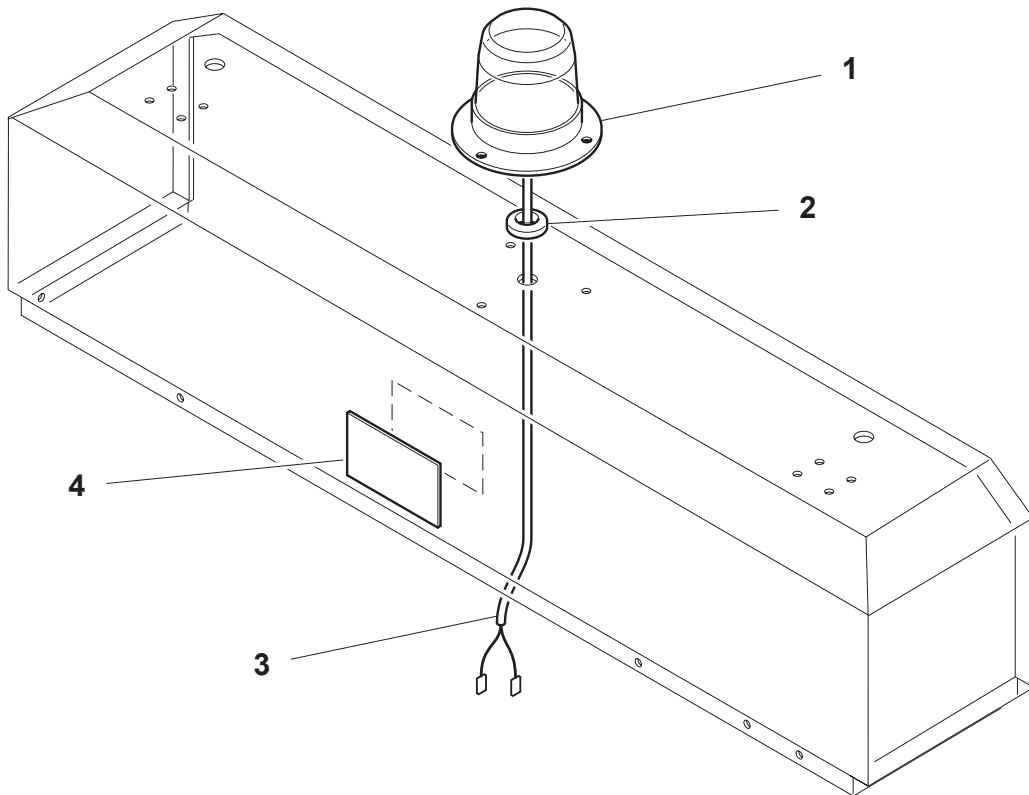
12/235, 21/215
SHP825, XHP750, XHP650



22560866_103_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
23	35283472	Connector	1	Continued
24	35283498	Hose Assembly	1	
25	35301225	Elbow	1	
26	36889608	Screw	3	
27	36881886	Nut	3	
28	54576079	Valve	1	
28a	54592001	Plate, Valve	1	
28b	95928321	Washer	2	
28c	54591961	Handle, Valve	1	
28d	96702055	Screw	1	
29	54576020	Tube Assembly	1	

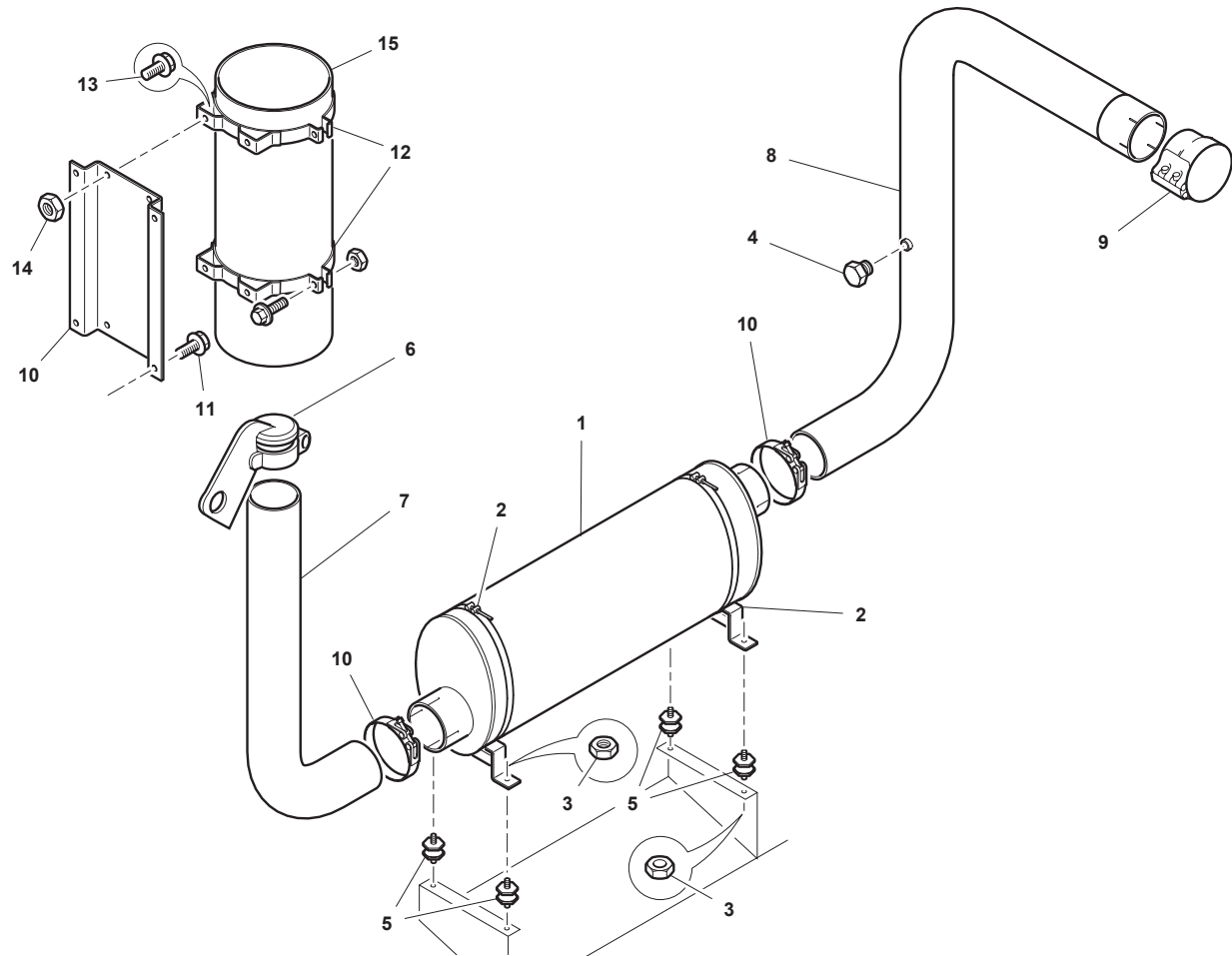
Option - Flashing Light (Low Fuel Shutdown)



22560866_106_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22254403	Light	2	* Not Illustrated
2	35285162	Bulb, Light	2	
3	22255137	Harness	1	
4	89299382	Decal	1	
*5	93524007	Base, Cable Tie	10	
*6	92434315	Tie, Cable	10	

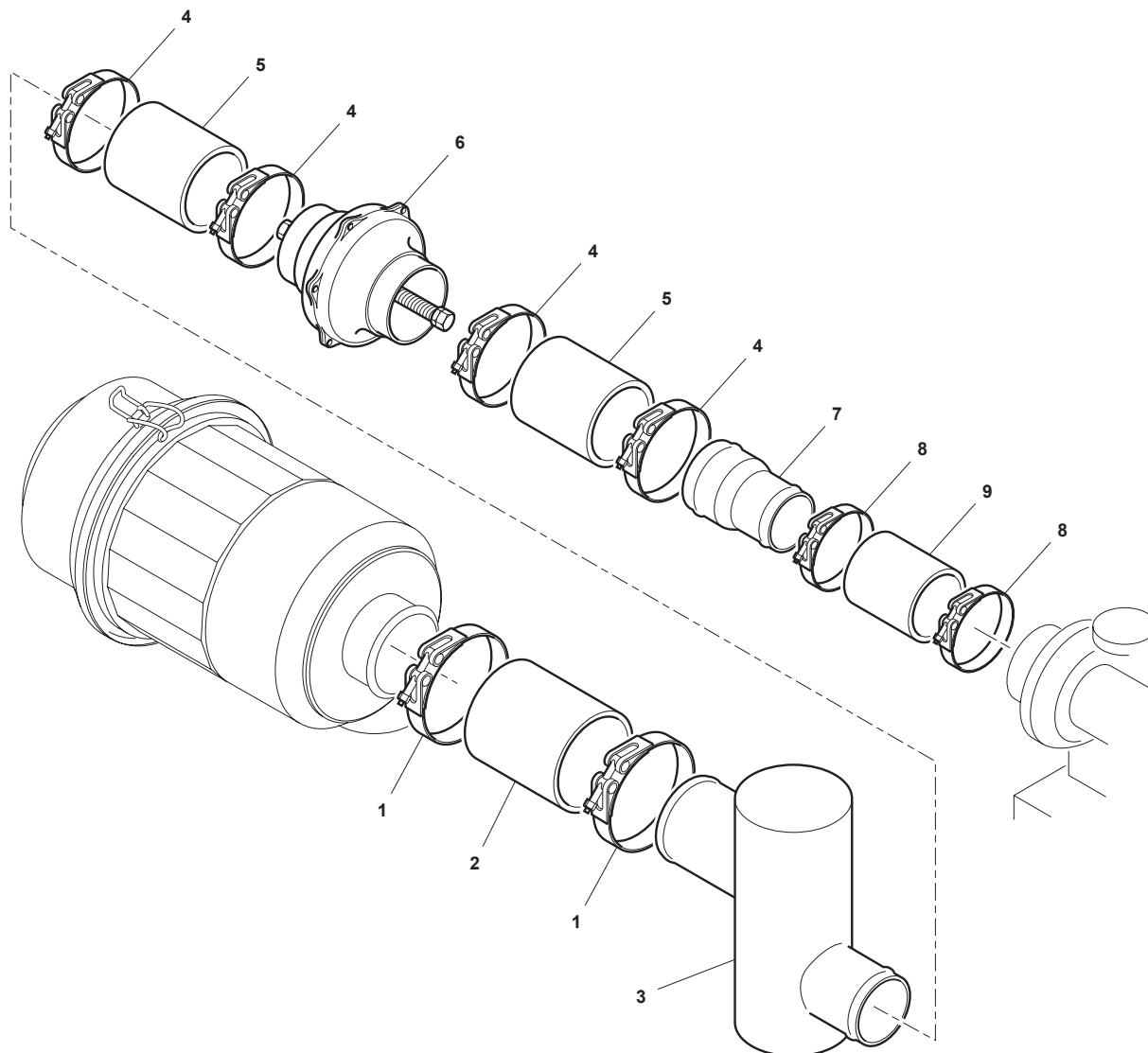
Option - Spark Arrestor



22560866_107_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	89298855	Arrestor, Spark	1	
2	24906919	Bracket	2	
3	36881886	Nut	8	
4	95928255	Plug	1	
5	92276096	Mount	4	
6	89299242	Raincap	1	
7	22334650	Pipe	1	
8	22334635	Pipe	1	
9	35307131	Clamp	1	
10	89298889	Clamp	2	
11	35279025	Screw	4	
12	36787026	Band, Mounting	2	
13	36889608	Screw	4	
14	36881886	Nut	4	
15	36787034	Tube	1	

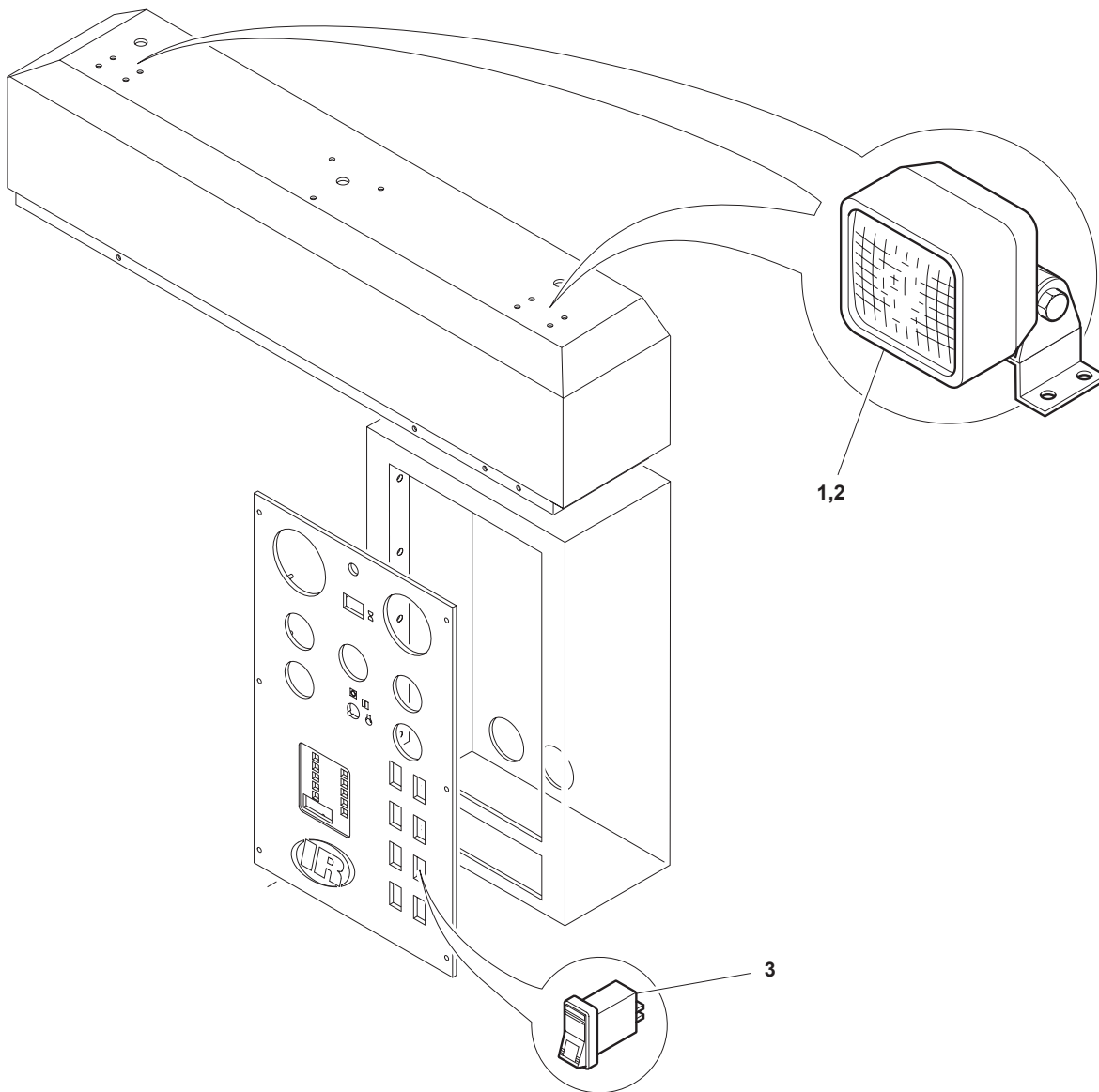
Option - Overspeed Valve



22560866_108_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35123496	Clamp	2	6"
2	89299440	Connector	1	
3	22329916	Offset	1	6 X 5
4	35161025	Clamp	4	5"
5	22333538	Connector	2	
6	92808591	Chalwyn Valve	1	
7	22333512	Reducer	1	
8	36897668	Clamp	2	4"
9	22333520	Connector	1	

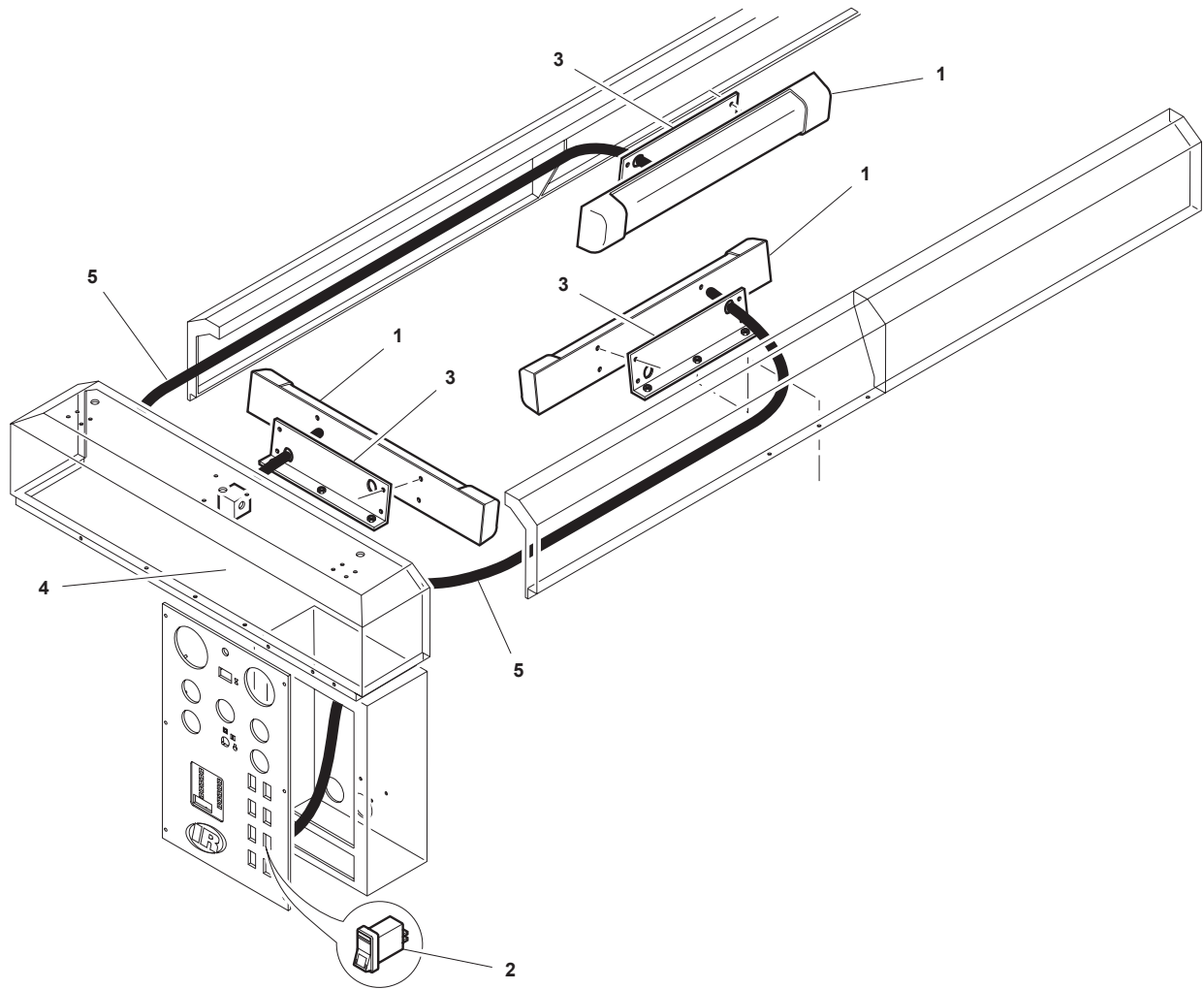
Option - Worklights



22560866_109_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	89393150	Light	2	* Not Illustrated
2	89303143	Bulb, Light	2	
3	22351019	Switch	1	
*4	22350839	Harness, Lights	1	
*5	93524007	Base, Cable Tie	10	
*6	92434315	Tie, Cable	10	

Option - Service Lights

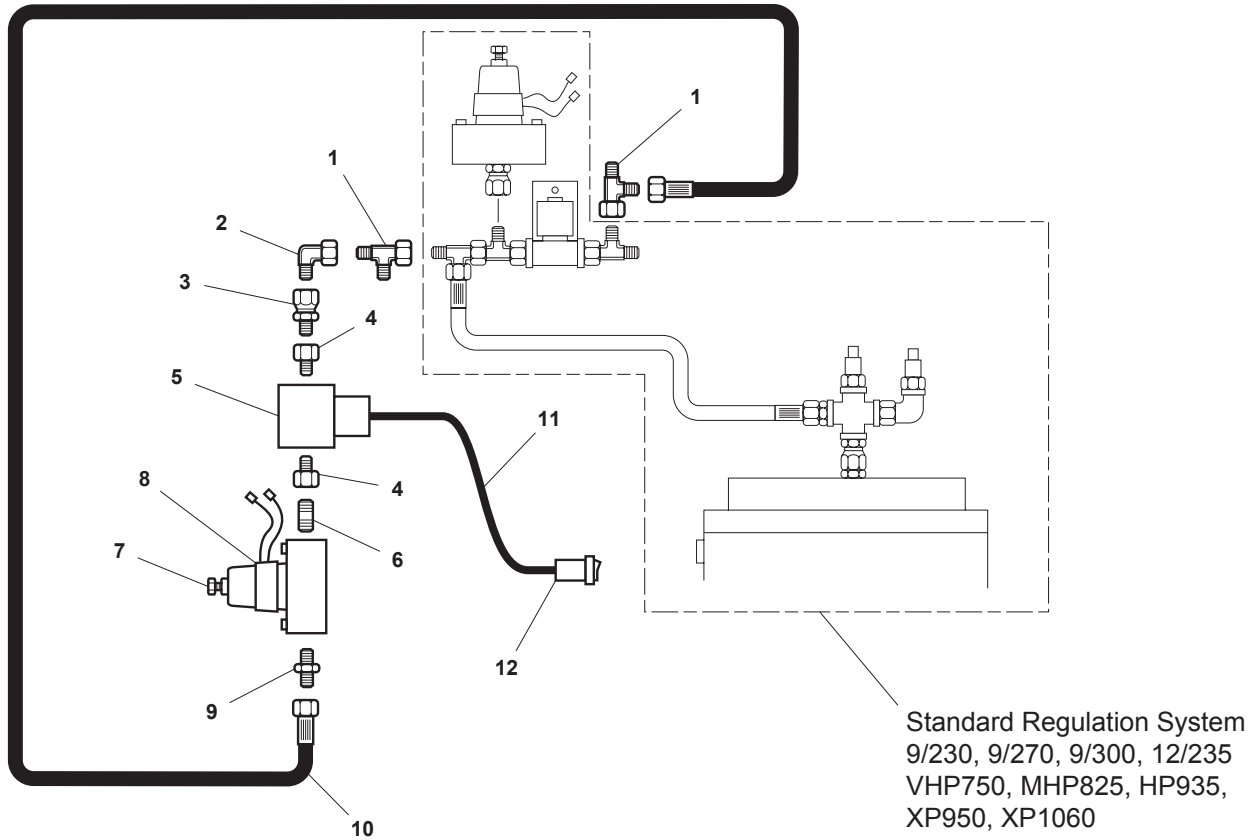


22560866_110_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	89303275	Light	3	* Not Illustrated
2	22351019	Switch Rocker	1	
3	89303226	Bracket	3	
4	22350847	Harness	1	
*5	93524007	Base, Cable Tie	10	
*6	92799378	Tie, Cable	10	

Option - Dual Pressure

9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935,
XP950, XP1060

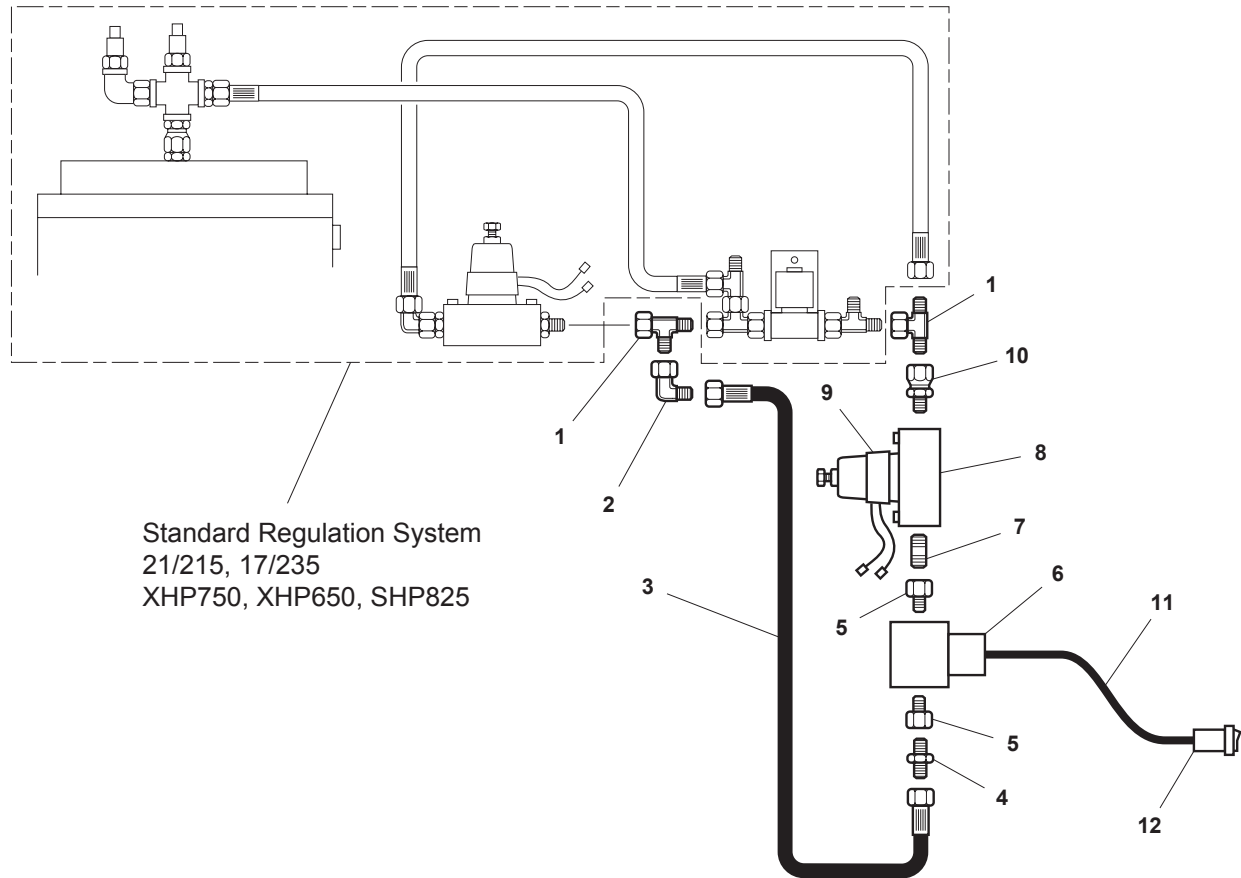


22560866_111_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35283084	Tee	2	* Not Illustrated
2	35279827	Elbow	1	
3	35367846	Connector	1	
4	95940748	Bush, Reducing	2	
5	36840841	Valve, Solenoid	1	
6	95667341	Nipple	1	
7	36854149	Pressure Regulator	1	
8	36854677	Heater	1	
9	35284082	Adaptor	1	
10	35283282	Hose Assembly	1	
11	22339683	Harness	1	
12	22054084	Switch	1	
*13	54773791	Decal for LP/HP Regulator	1	

Option - Dual Pressure

21/215, 17/235
XHP750, XHP650, SHP825



22560866_112_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35283092	Tee	2	
2	35283068	Elbow	1	
3	35323724	Hose Assembly	1	
4	35284082	Adaptor	1	
5	95940748	Bush, Reducing	2	
6	36840841	Valve, Solenoid	1	
7	95667341	Nipple	1	
8	92956093	Pressure Regulator	1	
9	36854677	Heater	1	
10	35367846	Adaptor	1	
11	22339683	Harness	1	
12	22054084	Switch	1	
*13	22130314	Bracket	1	
*14	54773791	Decal for LP/HP Regulator	1	
				* Not Illustrated

Recommended Parts

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1 - 3	22354393	Kit - 0-50 Hours	1	
1	22177737	Filter, Oil (Engine)	1	
2	22177711	Filter, Fuel (Primary)	1	
3	36860336	Filter, Oil (Airend)	2	
1 - 5	22354385	Kit - 500 Hours	1	
1	22177737	Filter, Oil (Engine)	1	
2	22177711	Filter, Fuel (Primary)	1	
3	22177745	Filter, Coolant (Engine)	1	
4	36860336	Filter, Oil (Airend)	2	
5	89288971	Filter, Air (Primary)	2	
1 - 6	22354377	Kit - 1000 Hours	1	
1	22177737	Filter, Oil (Engine)	1	
2	22177711	Filter, Fuel (Primary)	1	
3	22177745	Filter, Coolant (Engine)	1	
4	36860336	Filter, Oil (Airend)	2	
5	89288971	Filter, Air (Primary)	2	
6	89288989	Filter, Air (Safety)	2	
1 - 7	22354369	SHP, XHP, Kit - 2000 Hours	1	
1	22177737	Filter, Oil (Engine)	1	
2	22177711	Filter, Fuel (Primary)	1	
3	22177745	Filter, Coolant (Engine)	1	
4	36860336	Filter, Oil (Airend)	2	
5	89288971	Filter, Air (Primary)	2	
6	89288989	Filter, Air (Safety)	2	
7	89202022	Element, Separator	1	
1 - 7	22354351	HP, XP, MHP, VHP, Kit - 2000 Hours	1	
1	22177737	Filter, Oil (Engine)	1	
2	22177711	Filter, Fuel (Primary)	1	
3	22177745	Filter, Coolant (Engine)	1	
4	36860336	Filter, Oil (Airend)	2	
5	89288971	Filter, Air (Primary)	2	
6	89288989	Filter, Air (Safety)	2	
7	89285161	Element, Separator	1	

Glossary of Non-Illustrated Items

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
		* Not Illustrated † Option Adaptor Adaptor, Orifice Base, Cable Tie Bolt Bracket Bush, Reducing Bulb, Light Cap Capscrew Socket Head Connector Coupling Elbow Fuse Guard Harness Holder, Manual Kit - Internal Manuals Locknut Locknut, Nylon Lockwasher Manual, Operation and Maintenance with Parts Catalogue Manual, Operation and Maintenance Manual, Parts Catalogue Nipple Nut O-Ring Plug Reducer Screen, Security Screw Screw, Self Tapping Setscrew Silencer Tee Tie, Cable Valve, Ball Washer Washer, Nylon Washer, Spring		

Fasteners Index

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
AF	95470993	Bolt		3/8" UNC X 1"
AI	39155239	Bolt		M10 X 60
BC	92311703	Bolt		M16 X 100
BD	92419886	Bolt		M16 X 110
BG	92280965	Bolt		M16 X 70
BI	92495597	Bolt		M16 X 90
BM	92391358	Bolt		M20 X 90
CA	95792321	Bolt		3/8" UNC X 2"
C6	96716105	Setscrew		M8 X 12
C7	96706254	Setscrew		M16 X 35
C8	96705983	Setscrew		M10 X 35
C9	96706262	Setscrew		M16 X 45
DI	35272541	Bolt		M16 X 40
D2	96712179	Setscrew		M12 X 35
D3	92972140	Setscrew		M8 X 16
D5	93500726	Capscrew Socket Head		M6 X 16
D9	88120100	Bolt		M10 X 130
EN	92421411	Capscrew Socket Head		M8 X 25
FV	95055349	Capscrew Socket Head		3/8" UNC X 1"
GQ	92311695	Locknut		M16
HB	95209367	Lockwasher		1/4
HI	92061332	Lockwasher		M10
HO	92304682	Lockwasher		M12
HS	92359371	Lockwasher		M16
HV	92391374	Lockwasher		M20
IB	92061324	Lockwasher		M8
ID	92304666	Lockwasher		M8
II	92304674	Lockwasher		M10
IO	92821677	Washer, Spring		M22
JE	92274828	Nut		1/4" UNF
JP	92304526	Nut		M10
JR	90103854	Nut		M12
JV	92484880	Nut		M16
JX	92700590	Nut		M20
KD	92304518	Nut		M8
KR	92304575	Nut		M12
KS	92304575	Nut		M12
LF	92398106	Nut		M6
LG	92398114	Nut		M8
MP	92879261	Screw		M5 X 12
MZ	92096031	Screw		M6 X 16
NJ	35273416	Screw		M8 X 1.25 X 25
OA	92368687	Screw		M6 X 12
OH	92182138	Screw		M10 X 30
				Continued.....

Fasteners Index

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
				Continued
OI	92176114	Screw		M12 X 20
OJ	92398627	Screw		M12 X 30
OM	92184811	Screw		M6 X 12
OO	92398122	Screw		M6 X 20
OP	92179043	Screw		M6 X 25
OQ	92398130	Screw		M8 X 20
OR	92101112	Screw		M8 X 25
PC	50763325	Bolt		M20 X 70
PE	92972157	Screw		M8 X 20
PM	35144336	Screw		5/16" UNC X 3/4"
PZ	35536304	Screw		M10 X 25
QK	95251138	Setscrew		3/8" UNC X 1.25"
QN	95214938	Setscrew		5/16" UNC X 1"
QR	95215000	Setscrew		5/8" X 1.75"
QX	92304393	Setscrew		M10 X 20
QZ	92304401	Setscrew		M10 X 25
RC	92304427	Setscrew		M10 X 50
RE	92304435	Setscrew		M12 X 25
RF	90103185	Setscrew		M12 X 30
RH	92280973	Setscrew		M12 X 35
RT	92280940	Setscrew		M16 X 40
RW	39136346	Setscrew		M20 X 35
RX	92341239	Setscrew		M20 X 40
SH	92341973	Setscrew		M6 X 25
SJ	92339688	Setscrew		M6 X 35
SP	92304369	Setscrew		M8 X 35
UE	92304443	Setscrew		M12 X 40
UO	92896158	Screw		M10 X 30
VP	92061498	Washer		M10
VU	92304625	Washer		M12
VW	92329341	Washer		M12
VZ	92359363	Washer		M16
WB	92340439	Washer		M20
WD	92304583	Washer		M5
WE	39145008	Washer		M6
WG	92341981	Washer		M6
WH	92061480	Washer		M8
WI	92304609	Washer		M8
WL	92272756	Washer		1/4"
YU	92304625	Washer		M12
1CF	96708337	Bolt		

Tube Fitting Index

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
AA	92042936	Adaptor		3/8" BSPP - 6JIC
AAA	92756832	Adaptor		2" BSPT - 32JIC
AAB	54635594	Adaptor		21/2" UNF - 32JIC
AB	35283076	Adaptor		9/16" UNF - 6JIC
AC	92123215	Adaptor		3/4" BSPP - 12JIC
AE	95310116	Adaptor		1 1/8" UNF - 6JIC
AH	92478387	Adaptor		1/4" BSPT - 6JIC
AP	92394295	Adaptor		6 - 4JIC
AQ	92173780	Adaptor		1/4" BSPP - 6JIC
AR	92420058	Adaptor		3/4" UNF - 6JIC
AX	92415363	Adaptor		1/4" - 1/8" BSPT
BA	92087840	Adaptor		1 1/2" BSPP - 24JIC
BB	92895317	Adaptor		2" BSPP - 32JIC
BG	92788918	Bush, Reducing		9/16" UNF - 1/4" BSP
BV	92905207	Adaptor		1 1/2" BSPP - 24JIC
BY	93152593	Adaptor		1 1/4" BSPP - 6JIC
CQ	92344423	Adaptor		1/4" BSPP - 1/4" BSPT
CW	88153721	Adaptor		1/4" BSPP - 4JIC
DAA	92086149	Connector		1/4" NPT - 6JIC
DAB	35279934	Elbow		1/4" NPT - 6JIC
DAI	92419563	Connector		1/2" BSPT - 8JIC-
EE	92118462	Connector		1/8" BSPT - 6JIC
FA	95371241	Connector		2 1/2" UNF - 32JIC
FB	35283472	Connector		1/4" NPTF - 4JIC
FH	92984657	Connector		3/3" BSPT - 8JIC
FI	88100284	Connector		2" BSPP - 32JIC
FK	95978235	Connector		9/16" UNF - 6JIC
FO	92098235	Adaptor, SW Nut		6 JIC
GB	92395508	Elbow		3/4" BSPP - 12JIC
GI	92394261	Elbow		1/4" BSPT - 6JIC
GJ	92080811	Elbow, Orifice		
GK	35279827	Elbow		9/16" UNF - 6JIC
HW	35301225	Elbow		1/8" NPT - 4JIC
IJ	92253889	Elbow		3/4" BSPT
JB	35283084	Tee, SW Nut Run		6JIC
JD	35279850	Tee		9/16" UNF - 6JIC
JO	92971803	Tee		1/4" BSPP - 6JIC
JZ	35283092	Tee, SW Nut Branch		6JIC
KE	92079532	Tee		1/4" BSPP - 6JIC
LH	92902733	Elbow, Push in		1/8" BSPP 6MM
LL	89244008	Elbow, Push in		1/8" NPT 6MM
LQ	35283068	Elbow, SW Nut		6JIC
LS	39137534	Elbow		0.5
MT	92293661	O-Ring		1/4" BSPP
				Continued.....

Tube Fitting Index

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
OH	39483888	Plug		 <i>Continued</i>
OR	92257351	Plug		1/4" BSPP
QH	92971811	Adaptor, Orifice		1/2" BSPT
QP	89252845	Adaptor, Orifice		3.5MM
QQ	89252837	Adaptor, Orifice		3/8" - 6JIC
QS	89298145	Adaptor, Orifice		
QT	92955244	Adaptor, Orifice		1.0MM
QU	92101054	Adaptor, Orifice		1/4" BSPP
QX	54592176	Adaptor, Orifice		
RF	92294461	Valve, Ball		3/4" BSP
SA	39137526	Fitting, Barbed		
TO	92354380	Bush, Reducing		1/2" - 1/4"
TV	92420058	Bush, Reducing		3/4" UNF - 6JIC
TW	54579172	Bush, Reducing		3" BSPP - 2 1/2" SAE
TX	89292411	Bush, Reducing		1" - 1/4" BSPT
TY	89291900	Bush, Reducing		12JIC - 4JIC
UB	92394352	Nut		9/16" UNF - 6JIC
UE	93166593	Nut, Cap		3/8" BSPP 6MM
WL	88114640	Elbow		1/8" BSPT - 2.8MM
WZ	54636733	Elbow		2" BSPT - 32JIC
XA	92255934	Nipple		3/4" BSPT
XI	88125414	Nipple		2" BSPT
XO	54398250	Nipple, Reducer		1 - 1/2" BSPT
YA	35296227	Reducer		8JIC - 6JIC
YC	92178524	Coupling		3/4" BSPT
YQ	92513183	Silencer		3/8" BSPT

Symbols

(0-100psi) 80

(0-225psi) 79

(17/235

21/215) (SHP825

XHP750

XHP650) 69

(9/230

9/270

9/300

12/235) 69

(HP935

VHP750

MHP825

XP1060) 69

* Not Illustrated 116

† Option 116

Numerics

0-100psi 81

17/235

21/215

SHP825

XHP750

XHP650 91

4" 110

5" 110

6" 110

600psi 92

9/230

9/270

9/300

12/235 81, 91

A

Actuator

Hydraulic Surge 22

Adaptor 49, 67, 68, 71, 73, 76, 78, 79, 80, 81, 82, 83, 85, 86, 87, 88, 89, 90, 96, 99, 100, 101, 104, 105, 106, 113, 114, 116, 119

Orifice 90, 104, 116, 120

SW Nut 119

Adjuster 13

Aftercooler 97, 100, 102, 105

Air Intake System 62, 63, 64

Airbox

HSRG 54

SRG 54

Airend (Bare) 36

Airend Assembly 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47

Airend Pipework 48, 49, 50, 51

Angle

- Cooler Seal 52
- Arrestor
 - Spark 109
- Assembly
 - Fan Support 35
- Axle Assembly
 - Front 22, 26
 - Rear 22, 26
- B
 - Baffle 56
- Bail
 - Lifting 53
- Ball-Joint 84
- Band
 - Mounting 65, 109
- Bar
 - Bumper 29
- Base 22, 26
 - Cable Tie 108, 111, 112, 116
- Battery 95
- Battery Connection 31
- Beam 12
 - Rear Axle 14
- Bearing
 - Bronze 16, 17
 - Inner 11, 13
 - Outer 11, 13
- Bearing Cone
 - Inner 20, 24
 - Outer 21, 25
- Belt
 - Drive 33
- Blade
 - Fan 33
- Body 17, 83, 91
- Bolt
 - Eye 53, 56
 - U 20, 86
- Box
 - Pintle 17
- Bracket
 - HSRG 77
 - Left Hand 29
 - LH 42
 - Parking Brake
 - Left Hand 27
 - Right Hand 27
 - RH 42
 - Right Hand 29

SRG 77

Brake A

Left Hand 31

Right Hand 31

Brake Actuating Lever Kit

Left Hand 24

Right Hand 24

Brake Assembly

Left Hand 20, 24

Right Hand 20, 24

Brake B

Left Hand 32

Right Hand 32

Brake Cylinder Kit

Left Hand 20

Right Hand 20

Brake Magnet Kit 24

Brake Shoe & Lining Kit

Left Hand 20

Right Hand 20

Brake Shoe and Lining Kit 24

Brake Spring Kit 21

Bulb

Light 92, 108, 111, 116

Bush 83

Reducing 49, 113, 114, 116, 119, 120

Button

Emergency Stop 93

C

Cable 27, 95

Brake 16

HSRG with Electric Brake 28

Cable - Not Illustrated 28

Cage

Spindle Nut 21, 25

Cap

Fuel Filler 67

Grease Fitting 10, 12, 16

Capscrew Socket Head 116, 117

Catch (Female) 56

Catch (Male) 56

Chalwyn Valve 110

Circlip 45

Clip 22, 25, 27

Hose 30, 79

Retaining 72, 76, 98, 103

Tube 30

Cock 68

Collar 74

- Compressor 80, 87
- Conditioner
 - Coolant 34
- Conduit 31
- Connector
 - Flexible 65
- Contact Modules
 - Emergency Stop 93
- Cooler
 - Charge 69
 - Oil 69
- Cooling System 69, 70
- Cotter 28
- Coupling
 - Assembly 39, 42
 - Element 39, 42
- Cover
 - HSRG 94
 - Hub 11, 13
 - SRG 94
- Cover (HA) Machine 53
- Cover (W) Machine 53
- Crank 21, 25
- Cross 78, 80, 86, 88
- Cylinder Assembly 84
- D
- Decal 93, 108
- Decal for LP/HP Regulator 113, 114
- Diaphragm
 - Unloader Valve 83
- Door 55
- Door Assembly 55
- Dowel 43, 44, 45
- Drawbar 10, 19, 23
- Drawbar Assembly 10
- Drive Shaft 40
- Drop Tube 81
- Drop-Tube
 - HSRG 67
 - SRG 67
- Drum
 - Rear Brake 13
- Duct 55, 63
- E
- Elbow
 - Orifice 82, 119
 - Push in 119
 - SW Nut 119
- Element 51, 71, 97

- Air Filter (Main) 62, 63
- Air Filter (Safety) 62, 63
- Separator 115
- Element with Gaskets 72, 75, 76
- Enclosure 52, 53, 54, 55, 56
- Engine Assembly – Cummins QSL 9 33, 34
- Engine Cummins 300hp
 - MHP825
 - VHP750 33
- Engine Cummins 342hp
 - XP1060
 - HP935
 - XHP750 33
- Engine Exhaust System 65
- Equalizer 19, 23
- Equalizer Bracket 28
- Expander 14
- Eye
 - Lunette 26
 - Pintle 10
- F
- Fan 33
- Fan Drive, Cummins 35
- Fastener - 1/4 Turn 93
- Fasteners Index 117, 118
- Ferrule 74
- Filter 97
 - Air 62, 63
 - Air (Primary) 115
 - Air (Safety) 115
 - Coolant (Engine) 115
 - Fuel 33, 67
 - Fuel (Primary) 115
 - Oil 33
 - Oil (Airend) 115
 - Oil (Engine) 115
 - Primary 102
 - Secondary 102
- Filter Assembly 50, 51, 71
- Fitting
 - Barbed 120
 - Grease 10, 12, 16
- Flange 46, 64
 - Engine 70
- Foam 57, 58, 59, 60, 61
 - HSRG 58, 59
 - SRG 58, 59
- Foam - High Ambient 61
- Frame 53

- Front Axle Assembly 11
- Front Hub Assembly 11
- Fuel System 67, 68
- Fuel Tank Assembly 67
- Fuse 116
- G
- Gauge
 - Fuel 92
 - Oil Level 72, 74, 76
 - Pressure 92, 96, 98, 103
 - Temperature (Discharge) 92
 - Voltmeter 92
 - Water Temperature 92
- Gear Case 38, 40
- Gear-Set (Refer to Table) 38, 40, 43, 47
- Glossary of Non-Illustrated Items 116
- Grease Cap 21, 25
- Grease Cap Plug 21, 25
- Ground Point Connection 31
- Guard
 - Bottom 38
 - Top 38
- H
- Handle 26
 - Parking Brake 16
 - Valve 97, 100, 102, 107
- Handrail 52
- Hanger
 - Center 19, 23
 - Front 19, 23
 - Rear 19, 23
- Harness 31, 98, 103, 108, 112, 113, 114, 116
 - Lights 111
- Heater 78, 86, 90, 105, 113, 114
- High Ambient Muffler 66
- High Speed Running Gear 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32
- Hinge 55, 93, 94
- Hinge Bracket
 - HSRG 94
- Holder 14
 - Manual 116
- Hook
 - Safety 18
- Horton Fan Drive 34
- Hourmeter 92
- Housing 36, 37, 41, 43, 45, 83, 91
- HP
 - XP
 - MHP

VHP

Kit - 2000 Hours 115

HP935

XP950

XP1060 78

HSRG with Hydraulic Brake. 28

Hub 35, 39, 42

Hub Assembly 21, 24

Hydraulic Parking Brake Cable does not 28

I

Indicator 74, 98, 103

Air Restriction 62, 64

Instrumentation/Electrical System 92, 93, 94, 95

J

Jack

Extended Leg Assembly 21, 25

K

Key 37, 38, 40, 41, 43, 45

Kit

Minimum Pressure Valve 91

Water Separator Mounting 102

Kit - 0-50 Hours 115

Kit - 1000 Hours 115

Kit - 500 Hours 115

Kit - Fixing 97

Kit - Internal Manuals 116

L

Latch 17, 93

HSRG 94

SRG 94

Left

Front Axle Stub 11

Lever 18, 46, 84

Light 29, 92, 108, 111, 112

Left Hand 29

License Plate 32

Rear

Left Hand 32

Right Hand 32

Right Hand 29

Side

Left Hand

Front 31

Rear

Left Hand 32

Right Hand

Front 31

Rear 32

Light Module 92

- Link 20, 24
- Lock 56
- Lock Washer 68
- Locknut
 - Nylon 116
- Lockwasher 116, 117
- M
- Manifold 51, 98, 103
- Manual
 - Operation and Maintenance 116
 - Operation and Maintenance with Parts Catalogue 116
 - Parts Catalogue 116
- Mount 33, 37, 42, 65, 109
- Muffler 66
- N
- Nipple
 - Reducer 120
- Nut
 - Adaptor 18
 - Cap 120
 - Gland 74
 - Wheel 11, 13
- Nutsert 66
- O
- Offset 110
- Oil/Air Piping 71, 72, 73, 74, 75, 76, 77
- Option-Dual Pressure 113, 114
- Option-Flashing Light (Low Fuel Shutdown) 108
- Option-IQ 98, 99
- Option-IQ Dual Filter 102, 103, 104
- Option-IQ PL 97
- Option-Oil/Air Piping (Aftercooler) 100, 101, 105, 106, 107
- Option-Overspeed Valve 110
- Option-Pressure Reducer 96
- Option-Service Lights 112
- Option-Spark Arrestor 109
- Option-Worklights 111
- Orifice 36, 80, 82, 86, 99, 101, 105, 106
- O-Ring
 - IQ Filter 102
 - IQ Filter Spacer 102
- P
- Panel
 - Baffle Fan
 - Orifice 53
 - Cover
 - Left Hand 54
 - Right Hand 52
 - HSRG 54, 55, 56

- Instrument Box 55
- Left Hand 52
 - Orifice 52
- Right Hand 52
 - Orifice 52
- Roof Muffler HA 54
- SRG 54, 55, 56
- Pickup
 - Mag Speed 34
- Pin 10, 18, 22, 25, 28, 39, 42
 - Ball 12
 - Cotter 11, 13, 18
 - King 11
 - Large 17
 - Locating 36, 38, 41
 - Small 17
- Pin and Chain Assembly 22, 26
- Pintle Box Assembly 16
- Pintle Eye 22
- Pipe 62, 65, 71, 75, 109
 - Flexible 76
- Piston 44, 47, 83, 91
- Plate 10, 20, 24, 43, 44, 45, 46, 47
 - Adaptor 42
 - Aftercooler 102
 - Retaining 41, 43, 47
 - Rotation Stop 10
 - Valve 97, 100, 102, 107
- Pressure Regulator 113, 114
- Pulley 34
- Pump 44
- R
- Radiator 69
- Radiator & Cooler Assembly 69
- Raincap 65, 66, 109
- Ratchet
 - Brake 16
- Rear Axle Assembly 13, 18
- Receptacle
 - Fastener 93
- Recommended Parts 115
- Reducer 68, 87, 110, 116, 120
- Regulation System 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91
- Regulator 88
- Regulator 12/235
 - VHP750
 - MHP825 78
- Regulator 9/230
 - 9/270

- 9/300
 - 78
- require items 13
 - 14 and 15 28
- Retainer 35, 36, 93
- Right
 - Front Axle Stub 11
- Ring
 - Retaining 35, 39
- Rod 18, 84
 - Track 12
- Rotor Set 37, 43, 45
- S
- S/N 336845 - 339151 92
- S/N 339152 -> 92
- Scavenge Tube 89
- Screen
 - Security 116
- Screw
 - Drive to Engine 33
 - Fan to Drive 33
 - Self Tapping 116
- Seal
 - Grease 20, 24
 - Shaft 38
 - Sight Glass 74
- Sender Unit
 - Fuel Gauge
 - HSRG 68
 - SRG 68
- Sending Unit
 - Compressor Discharge 73
 - Compressor Temperature Gauge 75
 - Engine Coolant 34
 - Engine Oil Pressure Gauge 34
- Sensor
 - Coolant Level 70
 - Temperature 73, 75, 80, 88
- Separator
 - Water 97, 100, 102, 105
- Setscrew 48, 116, 117, 118
- Shackle
 - Front 14
 - Rear 15
- Shaft
 - Tow Bar 10
- Shim Set 36, 41, 44, 47
- Shoe
 - Brake 13

SHP

 XHP

 Kit - 2000 Hours 115

Sight-Glass 74

Silencer 65, 116, 120

Sleeve 69

Spacer

 Filter Port 102

Spindle Nut 21, 25

Spindle Washer 21, 25

Spring

 Gas 56

 Leaf 15

Spring Base

 Lower 15

 Upper 15

Steerable Running Gear 10, 11, 12, 13, 14, 15, 16, 17, 18

Stem

 Valve 12, 15

Stop

 Bumper 19, 23

Stud 46, 64, 95

 Wheel 11, 13

Subframe 19, 23

Support 26, 35, 62, 63, 93

Switch 89, 95, 111, 113, 114

 Breakaway 31

 Heater 93

 Light 93

 Oil Pressure 49, 72

 Push after Warm Up 93

 Start 92

Switch Rocker 112

T

Tachometer Alternator 92

Tank

 Fuel

 HSRG 67

 SRG 67

 Separator 71, 75

Tee

 SW Nut Branch 119

 SW Nut Run 119

Temperature Gauge 34, 73

Tie 106

 Cable 108, 111, 112, 116

Tie Rod

 IQ Filter Assembly 102

Track Rod Assembly 12

Transducer

Pressure 79, 80, 81, 86

Tube 22, 25, 26, 30, 65, 66, 70, 109

Tube (Nylon) 67, 98

Tube Assembly 37, 39, 48, 49, 50, 51, 71, 72, 75, 77, 96, 97, 98, 100, 101, 102, 103, 105, 106, 107

Tube Fitting Index 119, 120

Tyre 12, 15, 21, 25

U

Undertray

Front

HSRG 54

Undertray (F) 52

Undertray (R) 52

V

Valve 46, 62, 63, 77, 83, 97, 100, 102, 107

Auto Blowdown 90

Ball 72, 75, 79, 90, 116, 120

Blowdown 81, 98, 101, 103, 106

Check 76, 80, 87, 89, 97, 101, 102, 106

Minimum Pressure 91

Pressure Reducer 96

Safety 46, 50, 72, 75, 86

Solenoid 78, 81, 85, 88, 113, 114

Thermostatic 71, 75

Unloader 83

Valve Assembly 83

VHP750

MHP825

HP935

XP950

XP1060 81, 91

W

Washer 10, 12, 14, 15, 16, 17, 18, 19, 22, 23, 28, 33, 34, 35, 37, 49, 54, 64, 71, 79, 83, 84, 85, 86, 87, 93, 95, 97, 100, 102, 107, 116, 118

Hub 11, 13

Nylon 53, 56, 116

Snubber 19, 23, 33, 42

Spring 116, 117

Wedge 14

Wedge Controller 93

Wheel 12, 15, 21, 25

Wheel & Hub Assembly 20, 24

Wheel Nut 21, 25

Wheel Nut Clamp 21, 25

Wheel Stud 21, 24

Y

Yoke 16, 18

Y-Strainer 101, 104, 105

Symbols

- 24

-- 20, 31, 32, 38, 40, 43, 47, 67, 70, 76, 85, 86, 87, 88, 90, 93

Numerics

15900657 35

15900665 35

15902612 35

22050553 92

22050991 92

22053896 93

22054050 93

22054076 93

22054084 113, 114

22054142 93

22054159 93

22055800 93

22055883 92

22056105 65

22056188 59

22056212 57

22065973 42

22068845 102

22072151 56

22075279 42

22075287 42

22075295 46, 64

22075592 37

22079610 70

22079628 70

22079636 70

22079644 70

22079651 53

22079750 54

22080774 70

22080857 70

22081988 52

22082192 65

22092670 33

22092795 67

22093009 75

22093942 62, 63

22094759 68

22097448 54

22099469 94

22099477 94

22099584 94

22101059 94

22101067 94

22102339 70

22103287 55
22104756 56
22105134 93
22105571 92
22105613 92
22105621 92
22105639 92
22105746 53
22110852 57
22110860 57
22110878 57
22110886 57
22111439 57, 61
22111447 57, 61
22111454 57
22111470 57
22111488 57
22111496 57
22113039 33
22113047 34
22113880 92
22114218 57
22119218 73
22122899 33
22122956 56
22122972 55
22122980 55
22122998 56
22123004 56
22123012 55
22123020 55
22123038 55
22123079 55
22123095 52
22123236 54
22123301 52
22123327 55
22123335 56
22123368 55
22123384 55
22123418 52
22123491 72, 76
22124291 77
22126197 69
22126460 70
22126726 33
22127492 52
22130314 88, 114
22130322 71

22130801 71
22132898 52
22132906 54
22133425 52
22134118 92
22134167 65
22134175 65
22137939 71, 75
22138259 71, 75
22138721 71, 75
22139752 71, 75
22141196 71, 75
22144505 75
22144711 55
22146989 58
22147029 58
22147045 60
22147052 60
22147219 58
22147227 58
22147425 59
22148357 58
22148365 58
22148894 60, 61
22149199 58, 61
22149207 58, 61
22149355 58, 61
22149520 62
22150023 69
22150031 69
22150213 69
22150353 53
22153225 60
22153233 60
22155451 68
22155469 67
22162572 98, 103
22163919 19, 23
22173579 93
22173868 63
22177711 33, 115
22177737 33, 115
22177745 34, 115
22180491 56
22180509 56
22180897 52
22181069 52
22181077 54
22182984 77

22183990 67
22184675 19, 23
22184691 56
22184907 55
22185037 55
22186233 55
22189492 29
22189500 29
22194161 66
22194567 66
22196786 54
22205942 54
22207997 29
22208938 55
22213011 34, 35
22215057 28
22215545 26, 27
22215552 26, 27
22222459 20, 24
22222475 20, 24
22222483 21, 25
22231476 89
22232185 53
22243141 102
22243158 102
22246714 80, 87
22246722 71
22254403 108
22255137 108
22256515 12, 15
22258115 63
22258529 63
22258545 62
22265748 60, 61
22265839 59
22265847 59
22265854 59
22267322 52
22267330 60, 61
22277057 92
22279566 67
22280549 54
22281398 52
22281406 52
22285795 101, 106
22290019 102
22290027 106
22300339 58
22300552 58

22300594 60
22300669 59
22306633 31
22306674 60
22306690 60
22319685 21, 25
22320725 21, 25
22320865 22, 26
22320873 22, 26
22321475 65
22327266 92
22329817 53
22329916 110
22330039 21, 25
22331326 21, 24
22331763 21, 25
22332449 21, 24
22332605 71, 75
22333512 110
22333520 110
22333538 110
22334635 109
22334650 109
22339683 113, 114
22343545 12, 15
22349914 28
22350839 111
22350847 112
22351019 111, 112
22354351 115
22354369 115
22354377 115
22354385 115
22354393 115
22362933 42
22362941 42
22391718 16
22391726 11
22391734 12
22391742 13, 18
22391759 10
22391767 10, 12, 16
22391783 10, 17
22391791 10, 16
22391809 10
22391817 10
22391825 10
22391833 10, 18
22391841 10

22391858 10, 12, 16
22391866 10
22391874 10
22391882 10, 16, 17
22391890 10, 17
22391908 16
22391916 17
22391924 17
22391932 17
22391940 17
22391957 17
22391965 17
22391973 16
22391981 16
22391999 16
22392005 16
22392013 16
22392021 16, 18
22392039 16, 18
22392047 17
22392054 17
22392062 17, 18
22392070 15
22392088 15
22392096 15
22392104 15
22392112 14
22392120 11
22392138 11, 13
22392146 11, 13
22392153 11, 13
22392161 11, 13
22392179 11, 13
22392187 11
22392195 11
22392203 11, 13
22392211 11, 13
22392229 11, 13
22392237 11, 13
22392245 12
22392252 11
22392260 12, 18
22392278 11
22392286 11
22392294 12
22392302 15
22392310 14
22392328 15
22392336 15

22392344 14
22392351 15
22392369 15
22392377 12
22392385 12
22392393 12
22392401 12
22392419 12
22392427 12
22392435 14
22392443 18
22392450 18
22392468 18
22392476 18
22392484 18
22392492 18
22392500 18
22392518 18
22392526 18
22392534 18
22392542 18
22392559 18
22392567 18
22392575 13
22392583 14
22392591 14
22392609 14
22392617 13
22392625 13
22392633 13
22392641 14
22392658 14
22392666 14
22392674 14
22392682 14
22407753 10
22407761 10
22407779 10
22407787 10
24906919 109
30641278 68
30898096 79
32580510 68
33297340 46
35072222 83
35082114 45
35092279 50
35104082 40
35111731 54, 70

35119718 79, 87
35119858 62
35123496 62, 63, 110
35127653 54
35144336 118
35148204 12, 15
35161025 110
35166404 86
35209048 54
35221639 72, 98, 103
35222017 70
35225093 98, 103
35248145 80, 87
35248319 101, 106
35253038 48
35255819 39
35258789 95
35262963 39
35271139 41
35271154 47
35271170 62, 64
35271188 44
35272533 41, 44
35272541 41, 117
35272558 22, 26, 54
35272588 53
35272996 19, 23
35273366 93
35273408 43
35273416 117
35273937 37, 42
35277797 51
35279025 27, 34, 62, 64, 65, 66, 73, 76, 109
35279827 51, 79, 82, 113, 119
35279850 119
35279934 99, 101, 119
35279942 73, 76, 91
35281336 62
35282920 80, 87
35282946 78
35282979 79
35282987 98
35282995 68
35283050 80, 82, 85
35283068 50, 87, 114, 119
35283076 119
35283081 101
35283084 113, 119
35283092 79, 81, 90, 114, 119

35283241 79, 90
35283282 80, 89, 90, 113
35283464 103
35283472 80, 104, 107, 119
35283480 98, 103
35283498 103, 107
35283506 68
35284082 78, 80, 81, 82, 86, 99, 101, 104, 106, 113, 114
35284504 86
35285162 108
35285626 46
35287556 50, 51
35287721 48
35287895 48, 51
35287911 48
35288034 104
35288166 49
35288422 26, 27
35290147 78, 79, 88, 89
35294156 48
35294487 80, 87
35294677 49
35294719 88
35294727 48
35294735 48, 50
35295336 36
35295344 45
35296227 120
35296409 73
35297340 19, 23
35299361 36
35300193 43, 45, 47
35300201 43
35301225 104, 107, 119
35302314 49, 82
35304047 19, 23, 34
35306091 79, 87, 89
35306638 51
35306687 103
35307131 65, 109
35309715 50
35310960 104
35311026 81
35311463 43, 44, 45, 47
35311471 98, 103
35313303 66
35313568 38
35314582 93
35315217 21, 25

35315944 31
35316348 67
35316876 20, 24
35316884 20, 24
35317700 84
35318146 40
35318161 91
35321983 80, 82
35322346 80, 82, 86
35322379 81, 98, 101, 103, 106
35323591 104
35323724 81, 87, 98, 103, 114
35324839 79, 90
35324987 99, 104
35325133 86
35326958 19, 23
35326966 19, 23
35327204 83
35327840 26
35328210 83
35328228 83
35328236 83
35328244 83
35328251 83
35328269 83
35330570 70
35331578 83
35331586 83
35331883 46
35332683 83
35332691 83
35335124 102, 105
35335715 98
35336122 41, 43, 45
35336130 43, 45
35336419 30
35337583 41
35355502 46
35355767 47
35355775 41
35355783 45
35355791 43
35355809 40
35355817 43, 45
35355825 47
35355833 47
35355841 47
35355858 47
35355866 43

35355874 44
35355916 44
35355924 44
35355940 44
35355957 44
35355965 43
35355973 43
35355999 43
35356039 45
35356302 30
35356310 30
35356328 30
35356336 30
35356369 30
35356484 67
35356526 22, 26
35356914 21, 25
35356922 20, 24
35356930 19, 23
35357151 28
35358274 37
35358829 27
35361286 40
35361310 37
35361328 38
35364975 38
35364991 48, 49
35366251 45
35366657 44
35367044 32
35367051 31
35367846 78, 79, 90, 99, 101, 104, 106, 113, 114
35368927 78, 82
35369180 93
35369347 67
35369370 99
35369438 44
35369800 20, 24
35370063 51
35371996 41
35372002 40
35372010 41
35372028 41
35374453 26
35375385 72, 91
35376094 22
35379387 21, 25
35379395 21, 25
35385277 21, 25

35385293 21, 25
35536304 118
35579630 72, 76, 91
35591163 83
35591189 83
35592534 83
35593508 38
35600014 43
35600022 43, 45
35600030 45
35600105 47
35600113 44
35602457 47
35602473 72, 75
35602846 28
35602895 27
35602903 27
35603349 93
35604115 92
35605187 22
35605203 47
35606490 50
35609098 51
35609544 22, 26
35610153 41
35610195 40
35610203 40
35610385 20, 23
35856350 44
35856418 47
35856467 40
35857036 65, 66
35859396 26
35859404 27
35861137 49
35863885 48
35864644 44
36005031 37
36006732 43
36385392 20
36500197 33
36500734 44
36501013 47
36504116 40
36506756 50
36507515 38
36722452 83
36722460 83
36734424 22

36737161 41
36738128 43
36738797 45
36742880 26
36743722 49
36743797 48
36743805 50
36743870 49
36743896 48
36743904 51
36743912 50
36743920 50
36743961 51
36745669 49
36745792 50
36746626 48
36748093 50
36748101 51
36750909 40
36756120 51, 71
36757581 49, 72
36758357 49
36759447 51
36763704 47
36764785 39
36782837 29
36785319 34
36787026 65, 109
36787034 65, 109
36798205 51
36798346 38
36798361 38
36840460 78, 82
36840841 78, 81, 113, 114
36840908 93
36841138 34, 73, 75
36841153 92
36841468 92
36841526 86, 105
36842300 88
36842318 85
36843720 76
36844124 93
36844579 101, 104, 105
36844975 95
36845014 67
36845022 67
36845030 46
36845048 46

36846400 39
36846418 38
36846426 38
36846442 38
36846517 50
36846707 50
36847838 62, 64
36847853 106
36850584 48
36850691 80, 87
36851459 38
36851618 38
36852499 79, 90
36852622 92
36854149 78, 113
36854677 78, 90, 113, 114
36854925 38
36855377 24
36855385 24
36860336 51, 71, 115
36865772 40
36865962 20, 24
36867281 30
36870053 22, 25
36870087 22, 26
36870095 22, 25
36870103 22, 25
36870111 21, 25
36870129 21, 22, 25
36870145 22, 26
36870590 92
36870608 34
36877793 19, 23, 29, 70, 76, 77
36879195 84
36879203 19, 23, 34
36879302 19, 23
36879492 29
36880995 26, 27, 33, 35, 39, 42
36881290 30
36881886 52, 62, 64, 65, 84, 85, 102, 107, 109
36888055 68
36889608 52, 54, 62, 64, 65, 84, 85, 99, 102, 104, 107, 109
36890650 71
36891497 77
36891794 24
36891869 73
36893634 31, 32
36893824 71, 75
36894673 30

36894699 30
36895225 19, 23
36895241 20
36895258 20
36895746 66
36895779 20
36895787 20
36895795 21
36895803 24
36895811 24
36895829 24
36895837 24
36895860 29, 32
36896892 78
36896975 95
36897668 62, 63, 110
36897851 20
36897885 20
36898096 87, 88, 99, 104
36898104 79, 88
36898922 73, 75, 80, 88
36899599 98, 103
36899615 98, 103
36899979 73
36920825 80, 81, 86
37001252 30
37081528 101, 105
39101449 41
39125000 44
39136346 118
39137526 120
39137534 119
39145008 118
39155239 117
39253984 37
39253992 39
39322706 39
39326483 39
39326749 39
39326756 37
39326780 36
39326798 36
39326806 36
39330626 36
39436977 36
39437686 36
39483888 120
39487830 73, 76
39889720 37

39890553 36
39891486 36
39911284 37
39911292 39
39925367 37
42437525 36
46355602 100, 105
50763325 118
54375845 59
54378526 72
54378534 73
54398250 120
54400031 39
54400049 39
54401583 100
54422522 69
54429295 33
54443213 56
54444427 69
54496773 79
54511282 95
54518667 77
54566781 53
54571443 54
54571450 102
54571765 91
54575972 96
54575980 97, 100, 105
54576004 102
54576012 97, 101
54576020 102, 107
54576038 72, 75
54576079 97, 100, 102, 107
54578711 98, 103
54578869 98, 101, 103, 106
54579172 120
54579404 98, 103
54591961 97, 100, 102, 107
54592001 97, 100, 102, 107
54592167 99, 104
54592176 120
54598784 99
54635586 97, 101, 102, 106
54635594 119
54635602 97, 102
54635610 97, 100
54636733 120
54640255 98, 103
54657408 53

54658323 95
54658331 95
54671557 29, 32
54691557 32
54709928 71, 75
54709944 97, 100, 102, 105
54718432 89
54719141 19, 23
54731617 102
54731625 102
54738992 102
54739008 102
54739057 97
54739065 97
54765946 89
54766704 92
54773791 113, 114
55571450 98
56797652 52
85507911 29
88100284 119
88114640 120
88114954 95
88120100 117
88125414 120
88152392 94
88153721 119
89201768 46, 85
89201966 84
89202022 75, 76, 115
89202188 85
89209717 37
89232086 70
89244008 119
89249072 84
89252118 84
89252126 46, 84
89252837 120
89252845 120
89285161 115
89285761 72
89285803 72
89285829 62, 63
89285837 62, 63, 64
89286041 59
89286058 59
89286090 60
89286157 59, 61
89286165 59

89286306 59
89286785 91
89287346 67
89287684 55
89287692 55
89287957 52
89288005 62
89288492 68
89288757 56
89288971 62, 63, 115
89288989 62, 63, 115
89289185 81
89289383 64
89291900 120
89292411 99, 100, 120
89297600 53
89297618 53, 56
89297634 63
89297642 77
89298145 120
89298335 81
89298855 109
89298889 109
89299242 109
89299382 108
89299424 72, 75
89299440 64, 110
89299861 69
89299879 69
89299945 53
89303127 93
89303135 93
89303143 111
89303226 112
89303275 112
89304059 75
89304067 72
89304224 56
89304844 62, 63
89304851 62, 63
89393150 111
89799840 53, 56
90103185 118
90103854 117
91112201 97, 100, 105
91198671 97
92031657 77
92032648 91
92041441 39, 42

92041458 39, 42
92041466 39, 42
92042241 53, 56
92042936 64, 79, 82, 89, 90, 119
92043116 77
92044098 91
92061324 117
92061332 117
92061480 118
92061498 118
92061944 91
92079474 64, 85
92079479 90
92079532 119
92080811 82, 119
92086149 119
92087840 119
92094994 74
92095363 72, 74
92095371 74
92095389 74
92095397 74
92095405 74
92095413 74
92095421 74
92095439 74
92095447 74
92096031 68, 117
92098235 119
92101054 89, 120
92101112 118
92118462 85, 119
92123215 119
92173780 119
92176114 118
92178524 120
92179043 118
92182138 117
92184811 118
92253194 77
92253889 119
92255934 120
92257351 120
92257401 83
92272368 48
92272756 68, 118
92274828 117
92276096 65, 109
92280940 118

92280965 117
92280973 118
92293661 74, 119
92294461 120
92304369 118
92304393 47, 118
92304401 118
92304427 118
92304435 40, 118
92304443 118
92304492 85
92304518 117
92304526 117
92304559 53, 56
92304575 117
92304583 85, 118
92304609 118
92304617 49
92304625 118
92304666 117
92304674 117
92304682 117
92311695 117
92311703 117
92329341 118
92339688 118
92340058 85
92340439 118
92341239 118
92341973 118
92341981 95, 118
92344423 119
92354380 120
92359363 118
92359371 117
92368687 117
92391358 117
92391374 117
92391382 54
92394261 119
92394279 64
92394295 119
92394352 120
92395508 119
92398106 94, 117
92398114 117
92398122 118
92398130 118
92398627 118

92415363 89, 119
92419563 77, 119
92419886 117
92420058 119, 120
92421353 46
92421411 117
92434315 108, 111
92451962 97
92452192 97
92478387 88, 119
92484880 117
92495597 37, 117
92513183 120
92697333 83
92700590 117
92707801 41
92756832 106, 119
92764372 46
92776749 95
92788918 119
92799378 112
92808591 110
92821677 117
92864115 97, 100
92879261 117
92892934 75
92892959 90
92892967 76
92892975 91
92893221 76
92894518 37, 42
92895267 75
92895317 76, 119
92896158 118
92898576 72, 76
92902733 99, 119
92905207 119
92912021 84
92912419 55
92922856 56
92922863 56
92951075 91
92955244 90, 120
92956093 88, 114
92956945 96
92956952 96
92957091 96
92963529 78
92971803 89, 119

92971811 90, 120
92972140 117
92972157 118
92984657 77, 119
93152593 119
93166593 120
93186278 99, 104
93500726 117
93524007 108, 111, 112
95000410 44
95022372 40
95022380 72
95023388 36
95026290 44
95038048 49
95055349 117
95069522 44
95209367 117
95214524 46, 83
95214938 118
95215000 118
95223178 45
95239927 38
95242442 85
95245353 104, 105
95251138 118
95263190 83
95293320 50
95310116 119
95333274 68
95357943 51
95358164 38
95365078 81, 99, 101, 104, 106
95371241 73, 119
95415667 79, 88
95431292 49, 73, 76
95470993 117
95588505 86
95659280 78, 88
95667341 82, 113, 114
95757183 78, 89
95765806 83
95772562 104, 105
95792321 117
95823688 91
95923298 86
95928255 65, 109
95928321 97, 100, 102, 107
95928867 28

95930301 49, 80, 82, 86
95934170 26
95934543 73, 76
95934774 99, 104
95934998 28, 64
95935003 19, 23, 34
95935011 19, 23
95935029 79, 84, 86, 87
95935037 33, 35, 84, 93
95935052 22
95935599 99
95938114 89
95938197 73
95938205 37
95938213 36
95939741 71
95940748 80, 81, 88, 100, 104, 105, 113, 114
95944575 80, 82, 100
95944690 86
95949491 68
95953493 99
95953899 78, 87
95954293 80, 82
95978235 119
96700919 19, 23, 46
96701461 84
96701750 22
96701958 67
96702055 97, 100, 102, 107
96702295 33, 35
96705983 117
96706254 117
96706262 117
96708337 118
96712179 117
96712187 34
96716105 117
96719265 84
96735543 26, 27, 64
96735550 84
96739958 33
96745807 94
96790717 46
N
N.S.S 31, 33, 102

