



Parts Manual

Compressor Models

SHP750WCAT, XHP700WCAT

Code:

MHP825WCAT

Code: B

VHP750WCAT

Code: D



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

Book 22560833 (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.

TABLE OF CONTENTS

Parts Book

TITLE	PAGE
Steerable Running Gear	8
Steerable Running Gear (Front Axle)	9
Steerable Running Gear (Front Axle)	10
Steerable Running Gear (Rear Axle)	11
Steerable Running Gear (Rear Axle)	12
Steerable Running Gear (Rear Axle)	13
Steerable Running Gear (Parking Brake)	14
Steerable Running Gear (Parking Brake)	15
Steerable Running Gear (Parking Brake)	16
High Speed Running Gear (Hydraulic Brake)	17
High Speed Running Gear (Hydraulic Brake)	18
High Speed Running Gear (Hydraulic Brake)	19
High Speed Running Gear (Hydraulic Brake)	20
High Speed Running Gear (Electric Brake)	21
High Speed Running Gear (Electric Brake)	22
High Speed Running Gear (Electric Brake)	23
High Speed Running Gear (Electric Brake)	24
High Speed Running Gear (Parking Brake)	25
High Speed Running Gear (Parking Brake)	26
High Speed Running Gear	27
High Speed Running Gear	28
High Speed Running Gear	29
High Speed Running Gear	30
Engine Assembly (Caterpillar C - 9)	31
Engine Assembly (Caterpillar C - 9)	32
Airend Assembly	33
Airend Assembly	34
Airend Assembly	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 Pipework	45
Airend Pipework	46
Airend Pipework	47
Airend Pipework	48
Enclosure	49
Enclosure	50
Enclosure	51
Enclosure	52
Enclosure	53
Foam	54
Foam	55
Foam	56
Foam	57
Foam - High Ambient	58
Air Intake System	59
Air Intake System	60
Air Intake System	61
Engine Exhaust System	62

TABLE OF CONTENTS

Parts Book

TITLE	PAGE
High Ambient Muffler	63
Fuel System	64
Fuel System	65
Cooling System	66
Cooling System	67
Oil/Air Piping	68
Oil/Air Piping	69
Oil/Air Piping	70
Oil/Air Piping	71
Oil/Air Piping	72
Oil/Air Piping	73
Oil/Air Piping	74
Regulation System	75
Regulation System	76
Regulation System	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
Instrumentation/Electrical System	89
Instrumentation/Electrical System	90
Instrumentation/Electrical System	91
Instrumentation/Electrical System	92
Option - Pressure Reducer	93
Option - IQ LP	94
Option - IQ	95
Option - IQ	96
Option - Oil/Air Piping (Aftercooler)	97
Option - Oil/Air Piping (Aftercooler)	98
Option - IQ Dual Filter	99
Option - IQ Dual Filter	100
Option - IQ Dual Filter	101
Option - Oil/Air Piping (Aftercooler)	102
Option - Oil/Air Piping (Aftercooler)	103
Option - Oil/Air Piping (Aftercooler)	104
Option - Flashing Light (Low Fuel Shutdown)	105
Option - Spark Arrestor	106
Option - Overspeed Valve	107
Option - Worklights	108
Option - Service Lights	109
Option - Dual Pressure	110
Option - Dual Pressure	111
Recommended Parts	112
Glossary of Non-Illustrated Items	113
Fasteners Index	114
Fasteners Index	115
Tube Fitting Index	116
Tube Fitting Index	117

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.

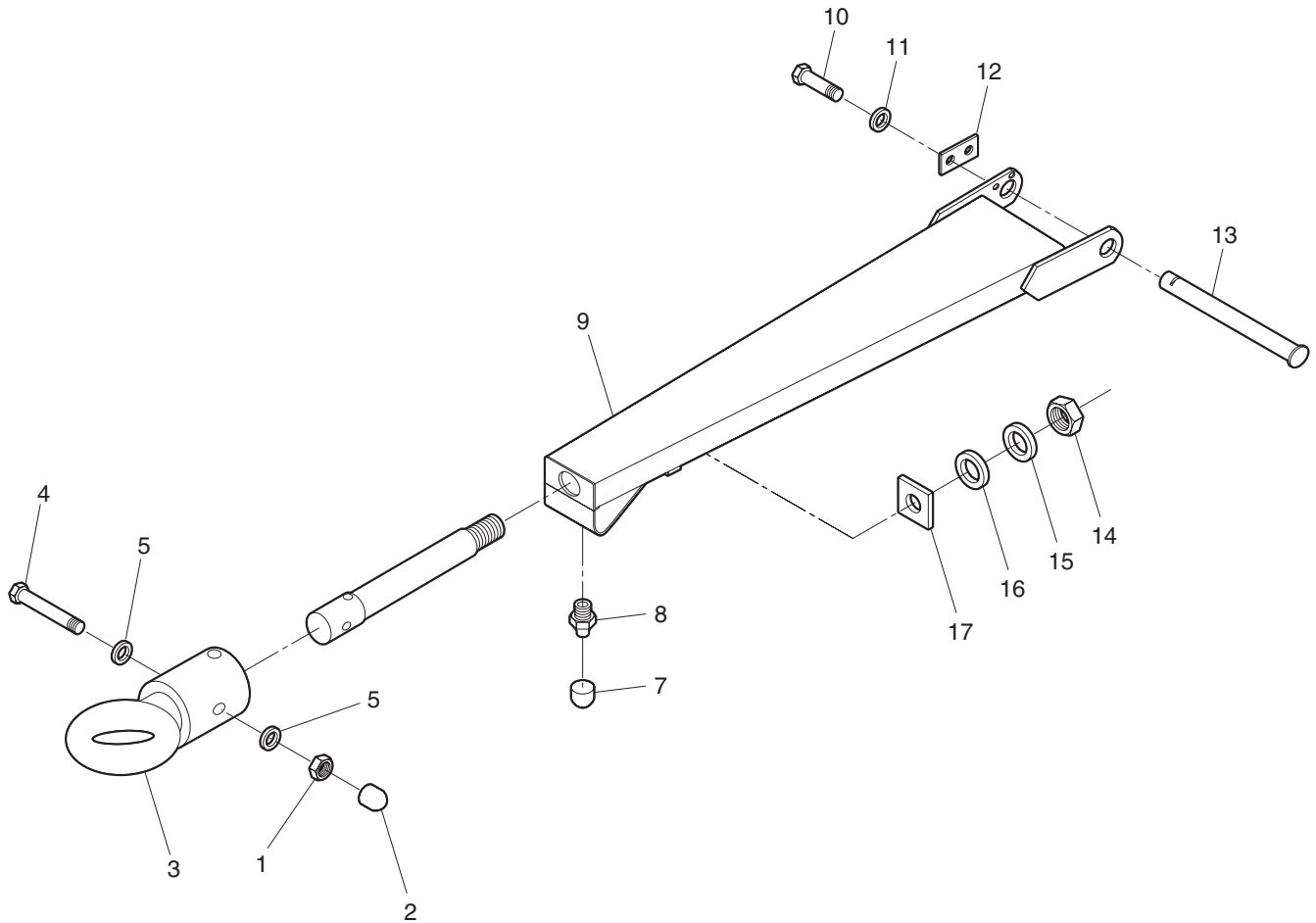
Abbreviations used:

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

Parts List



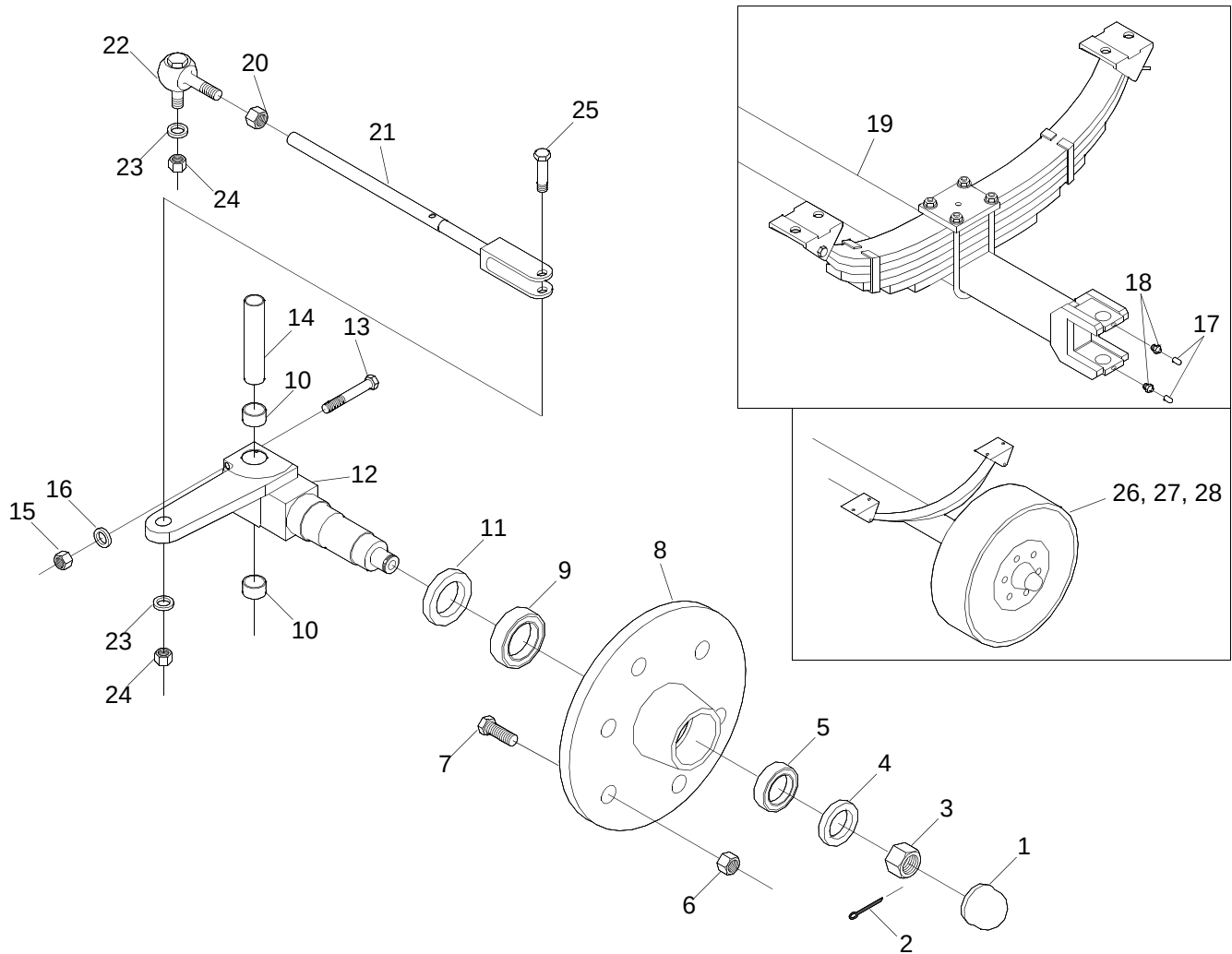
Steerable Running Gear



22560833_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)

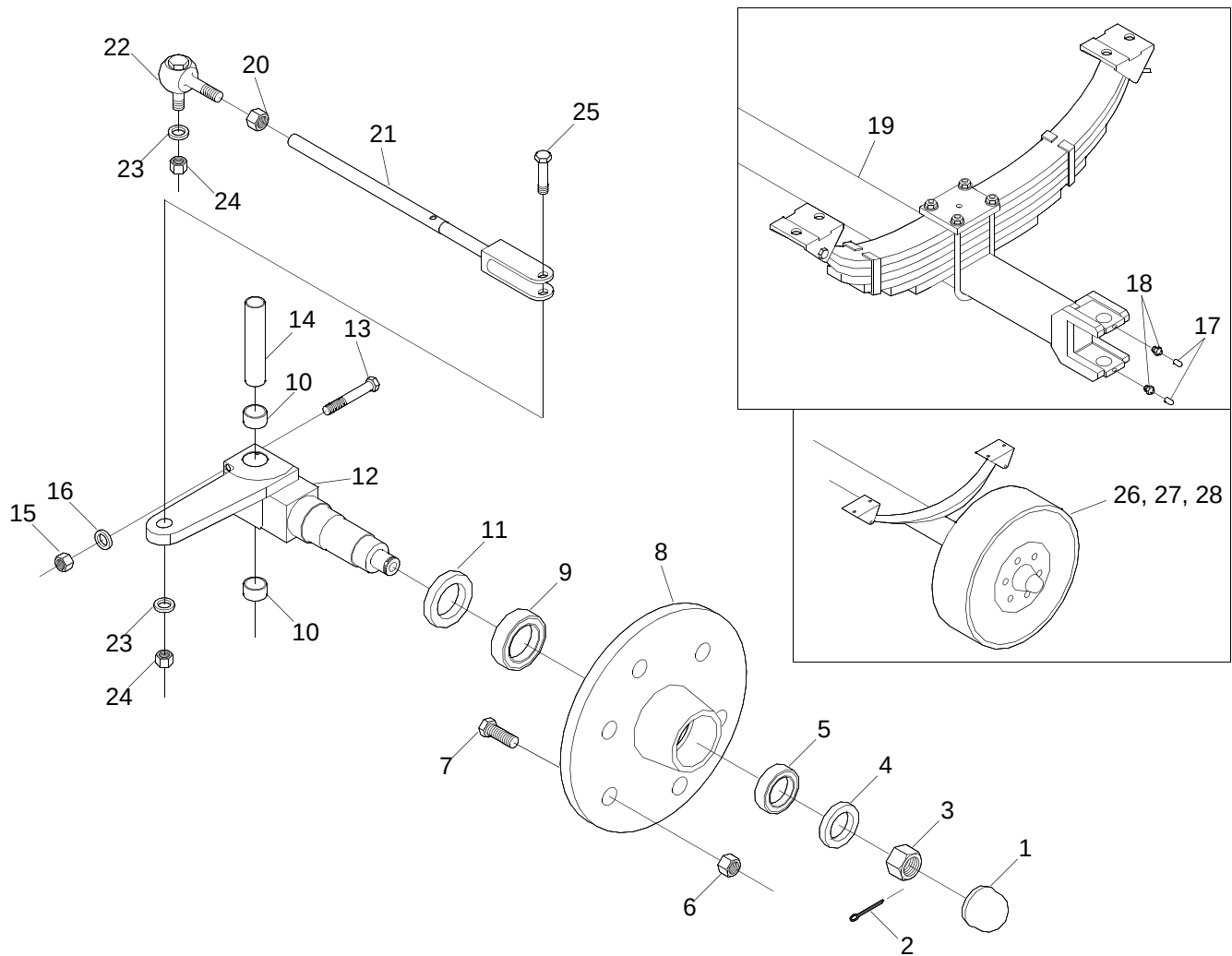


22560833_009_11/04_A

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	Continued.....
14	22392278	Pin, King	2	

22560833

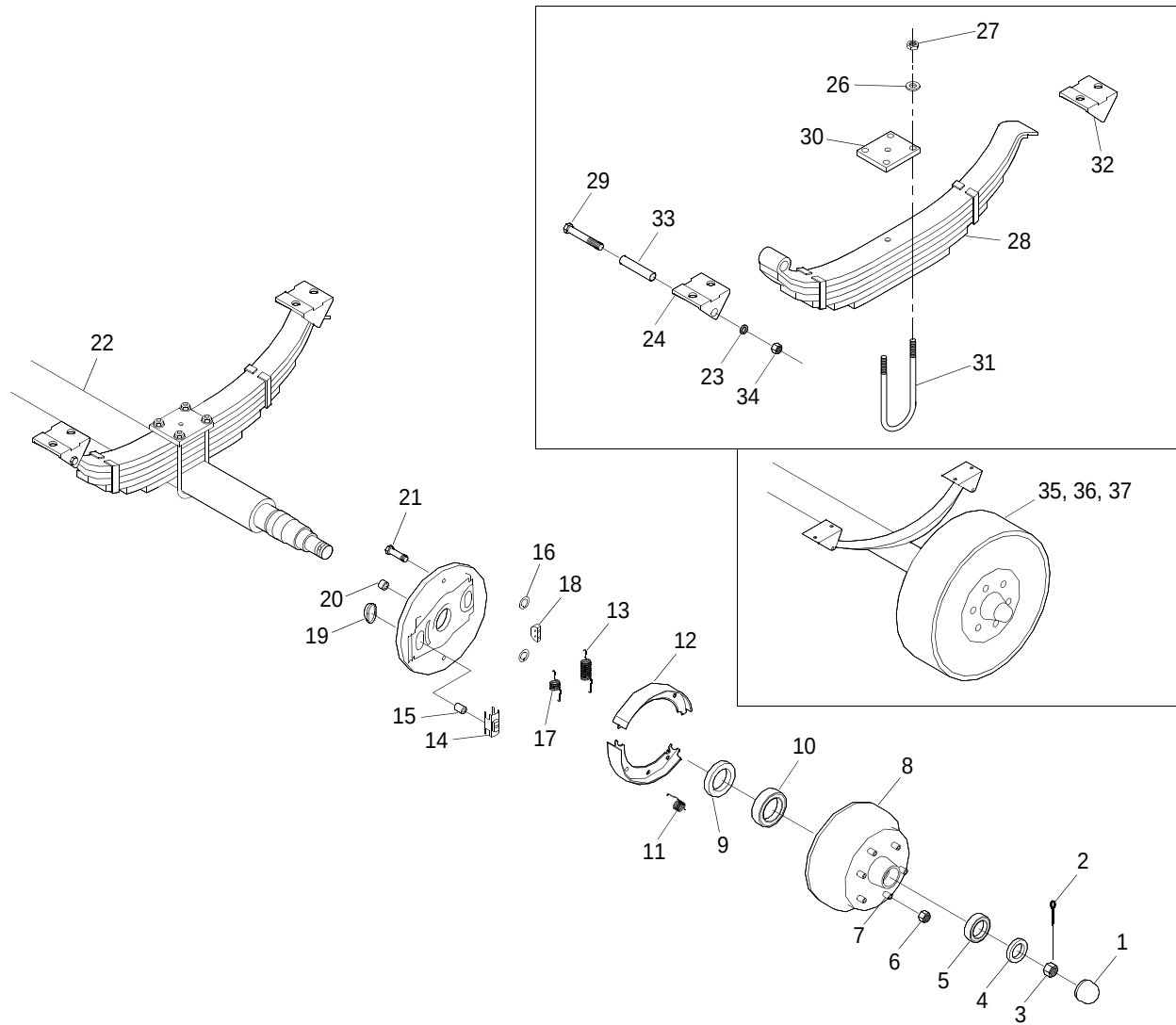
Steerable Running Gear (Front Axle)



22560833_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	

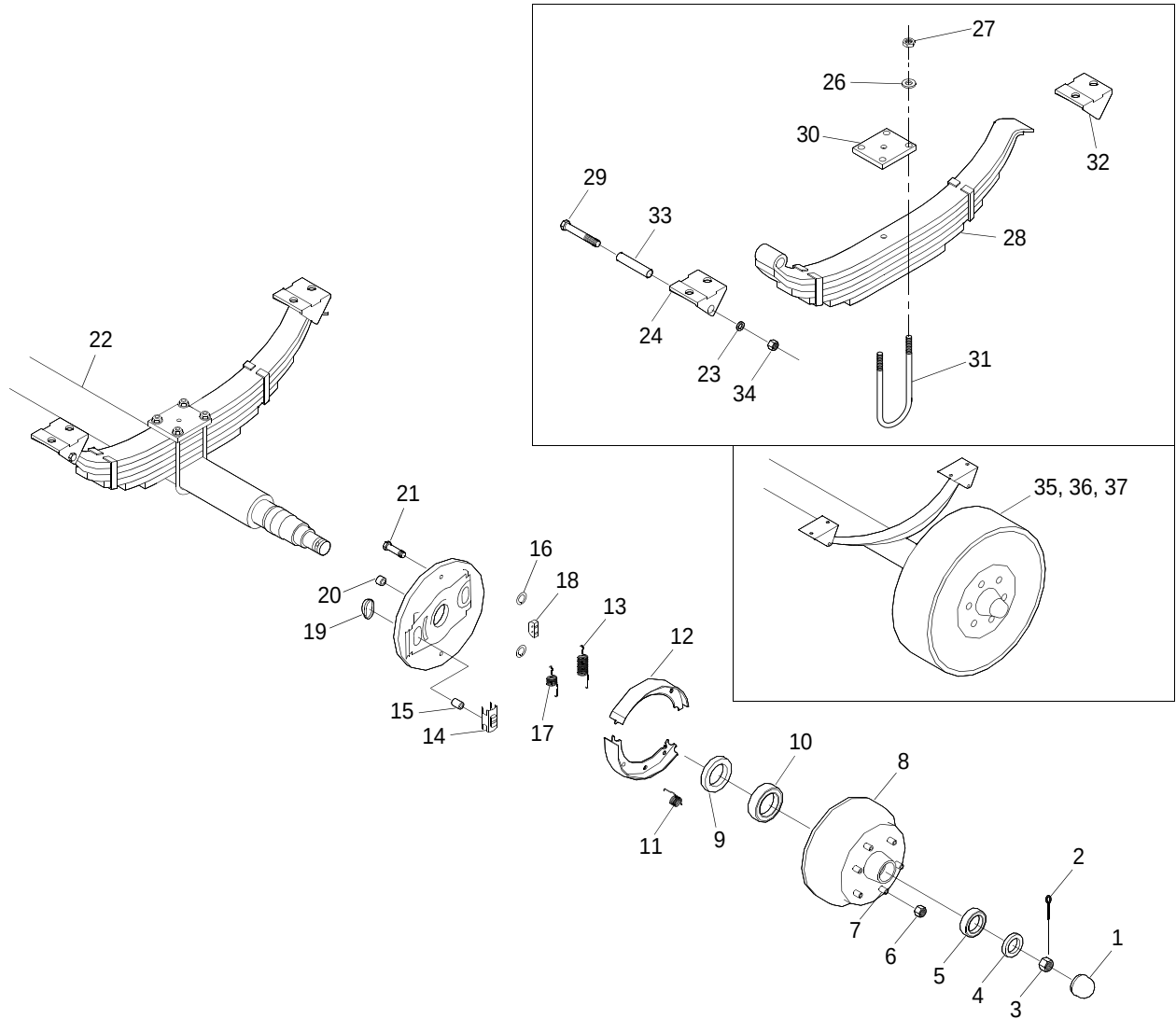
Steerable Running Gear (Rear Axle)



22560833_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.....

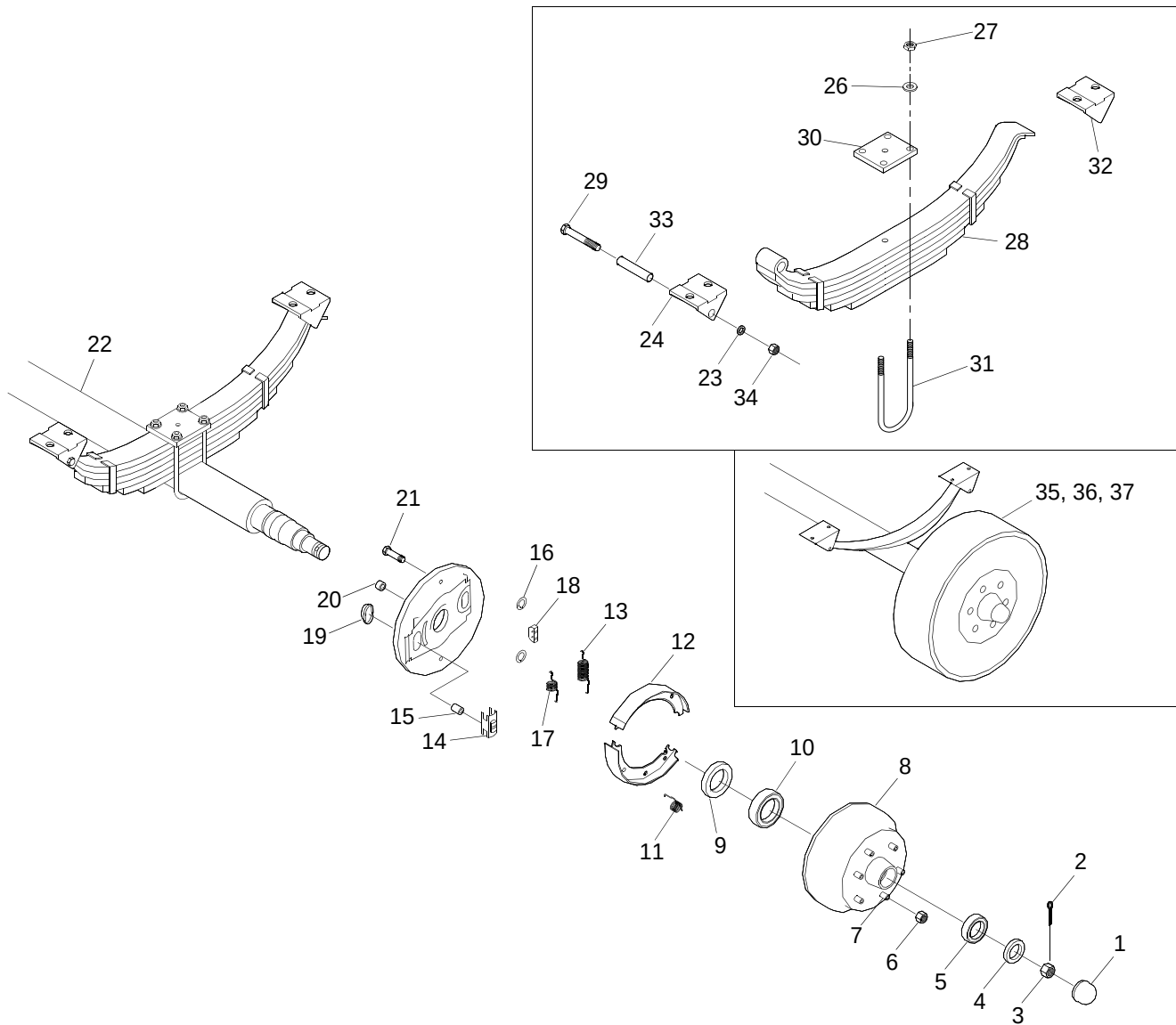
Steerable Running Gear (Rear Axle)



22560833_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	Continued.....
24	22392310	Shackle, Front	4	
25	22392112	Locknut	16	

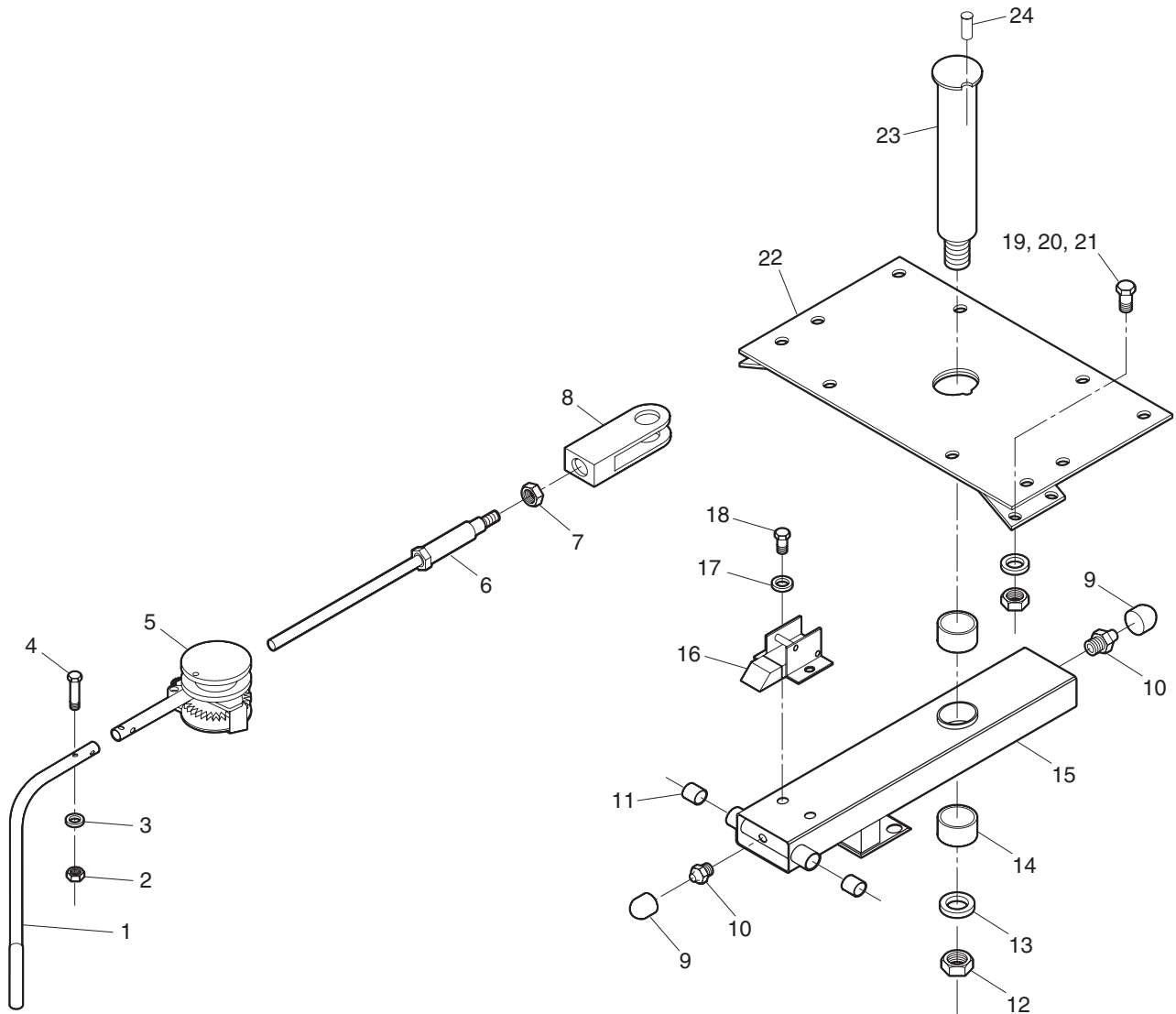
Steerable Running Gear (Rear Axle)



22560833_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	8	
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	

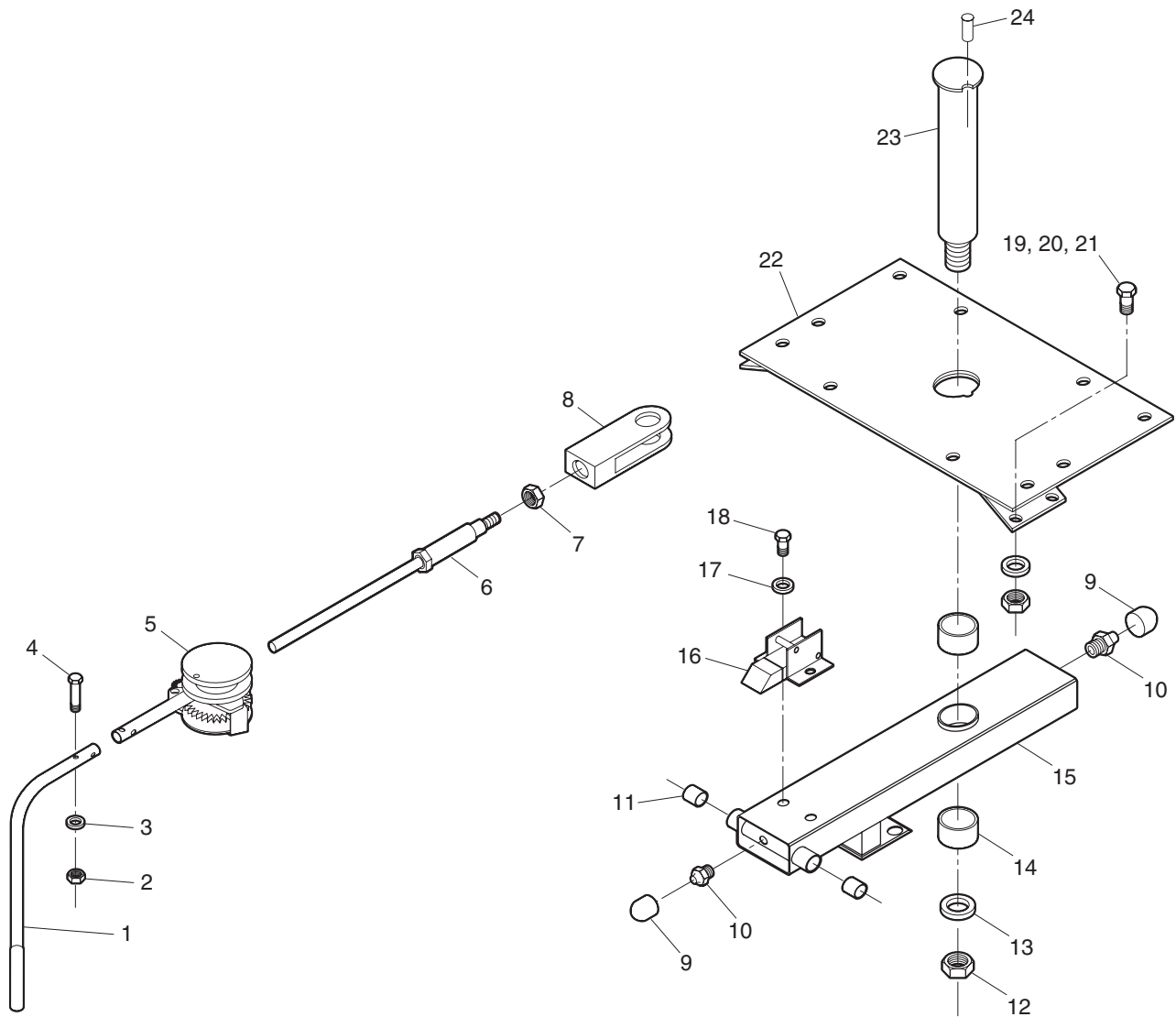
Steerable Running Gear (Parking Brake)



22560833_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)

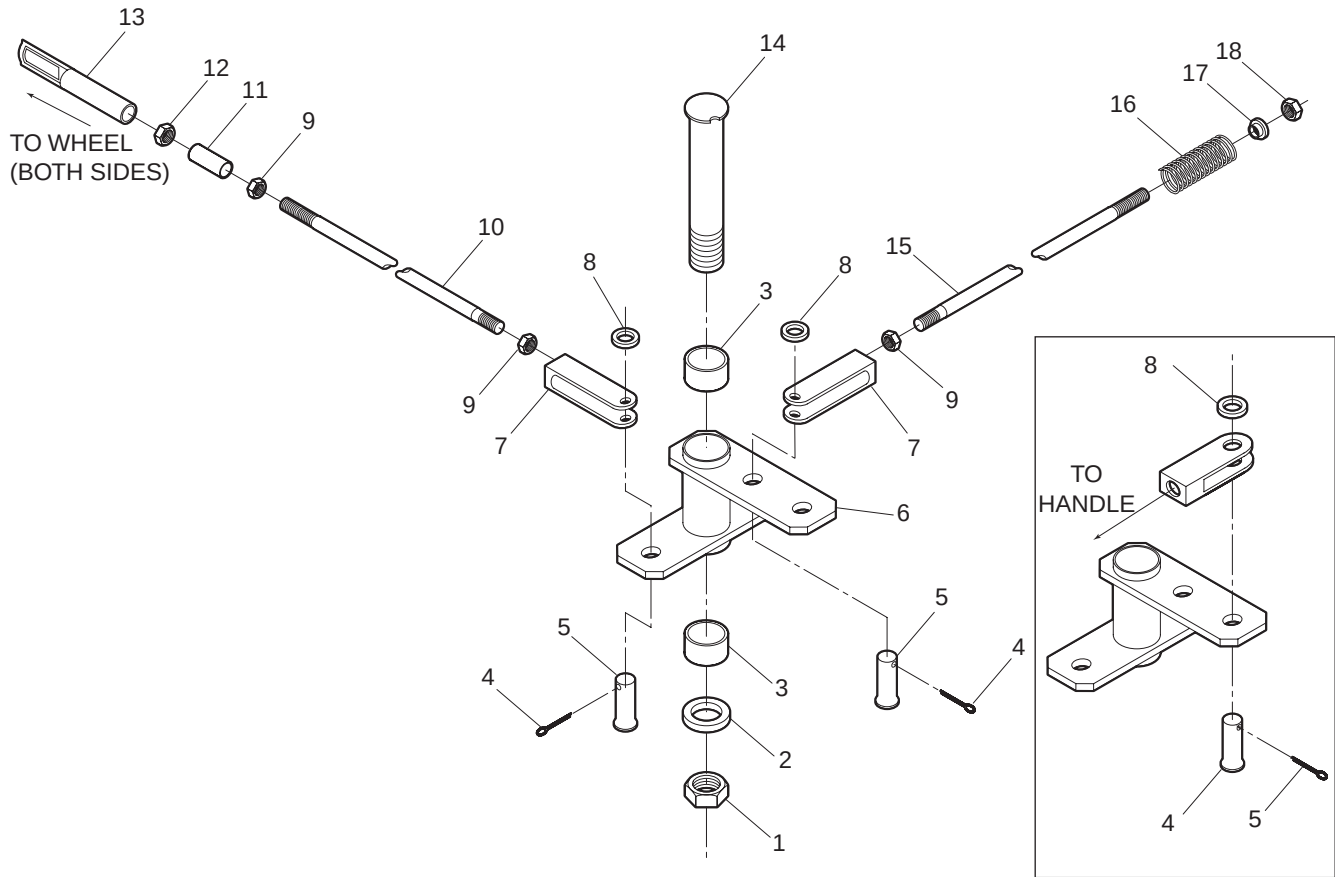


22560833_014_11/04_A

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	

22560833

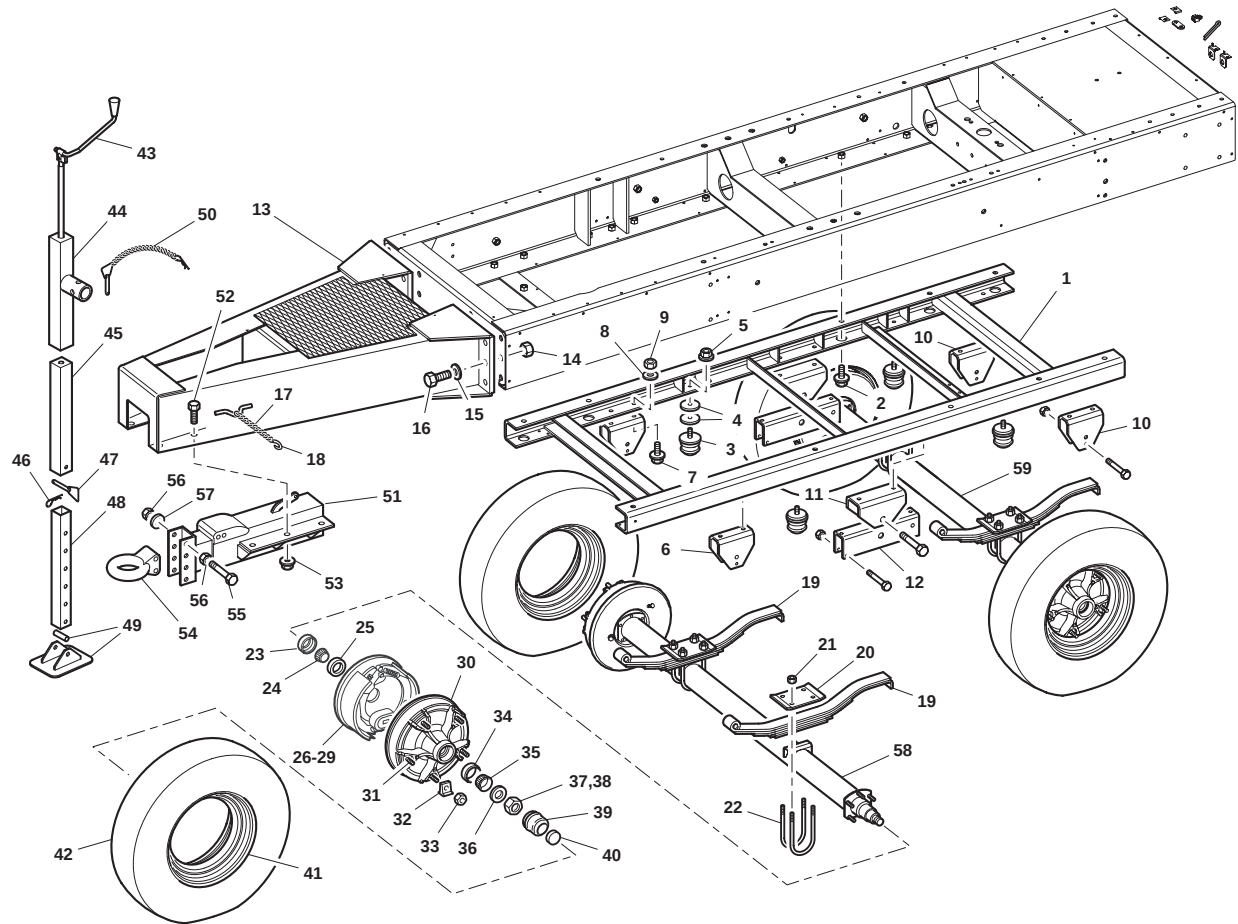
Steerable Running Gear (Parking Brake)



22560833_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)

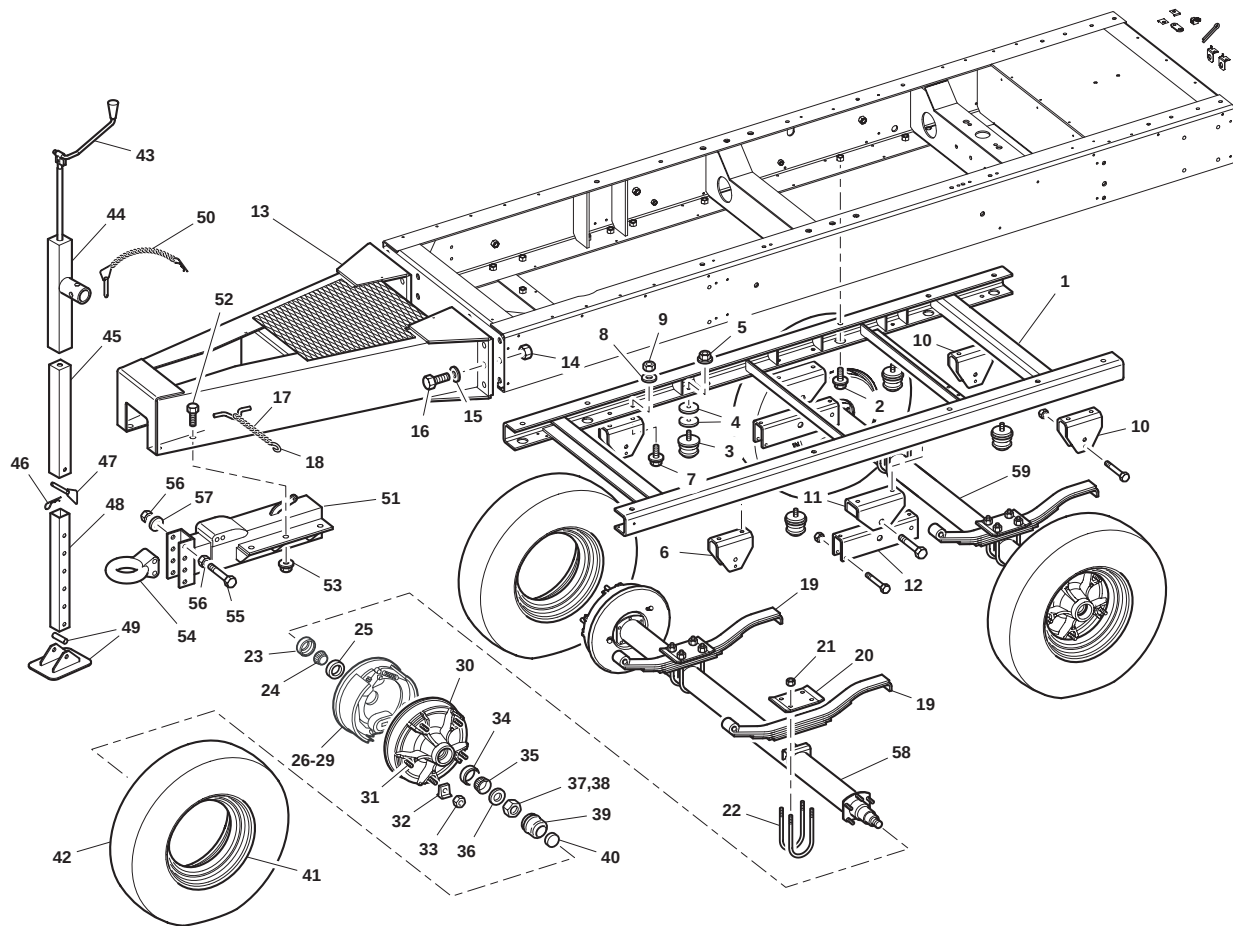


22560833_017_11/04_A

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.....

22560833

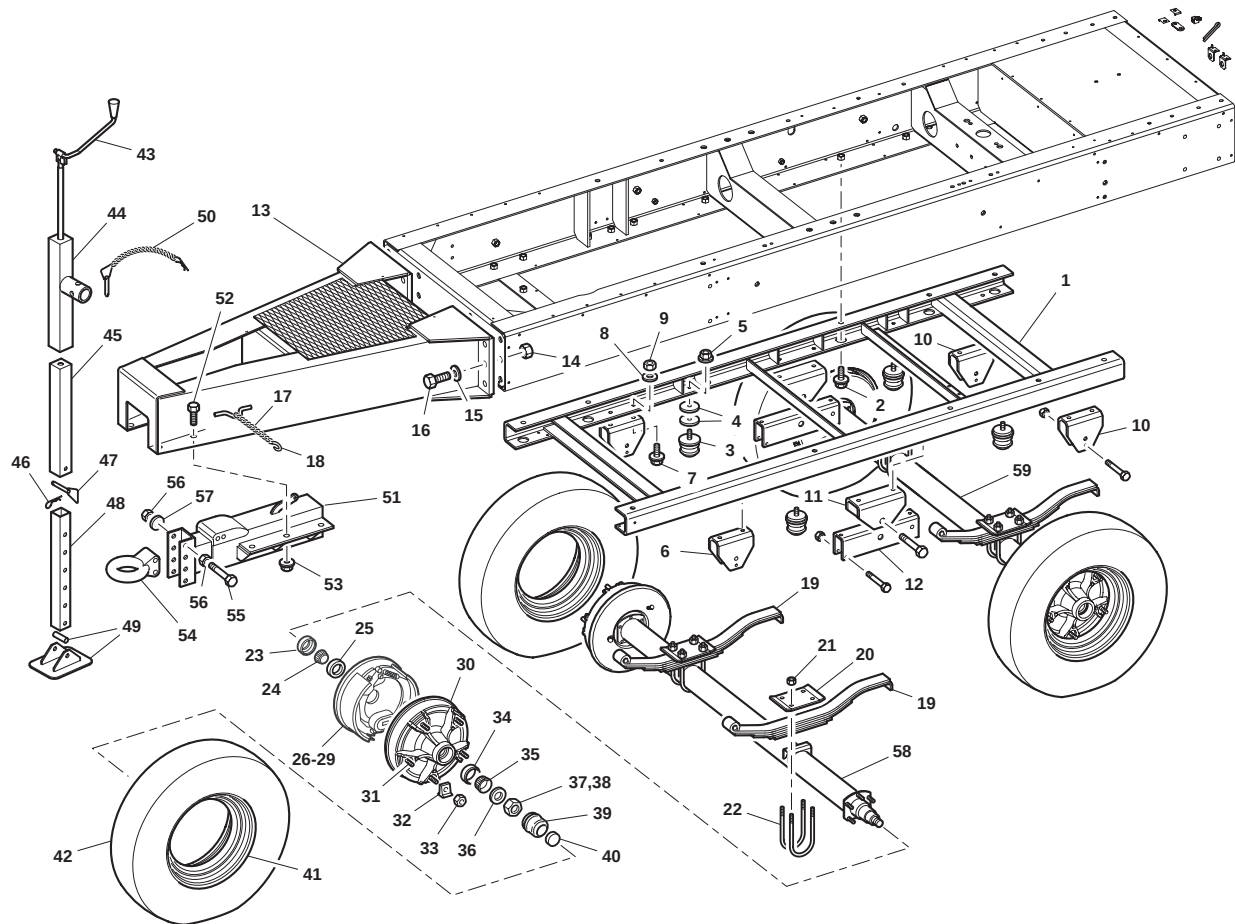
High Speed Running Gear (Hydraulic Brake)



22560833_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.....

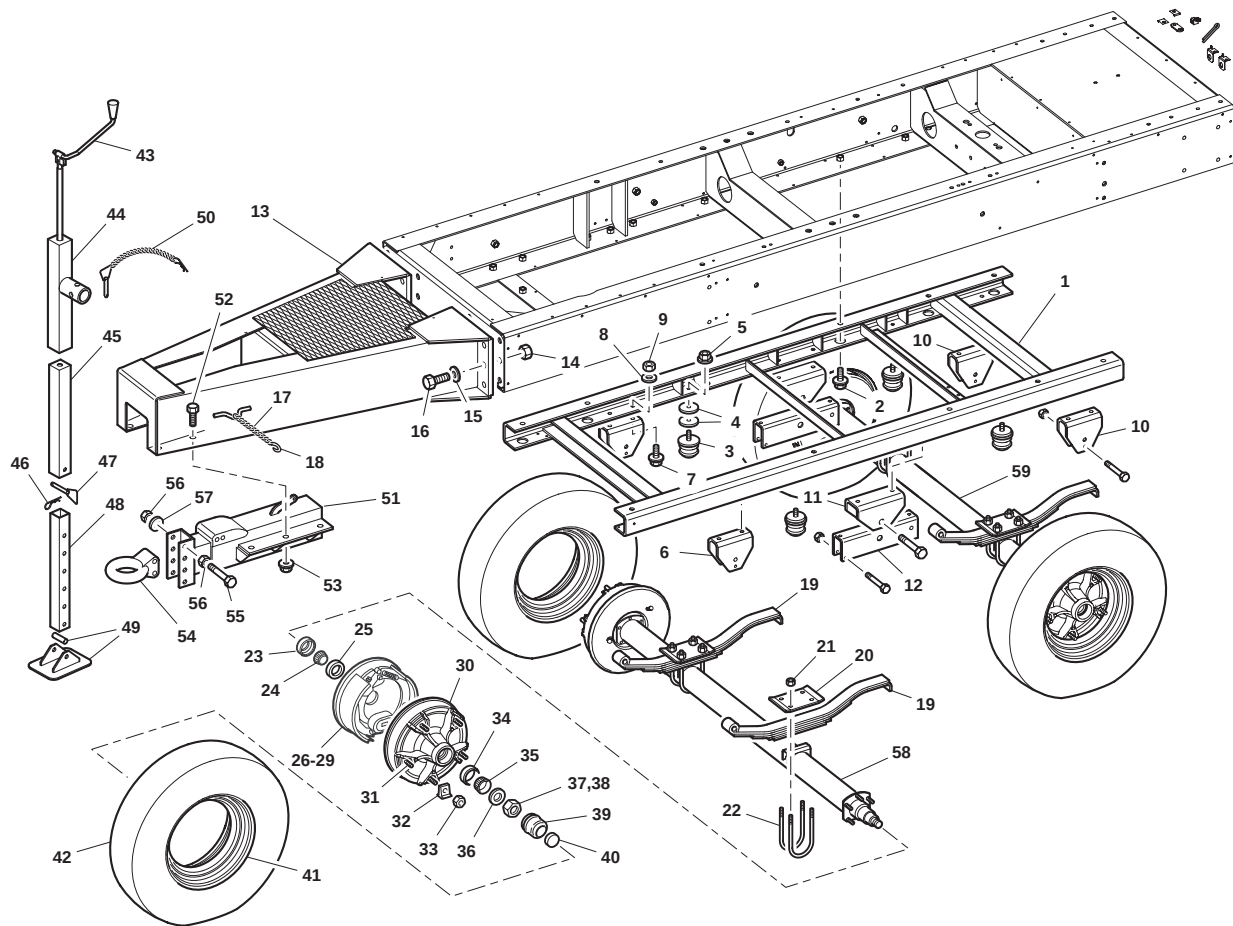
High Speed Running Gear (Hydraulic Brake)



22560833_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.....

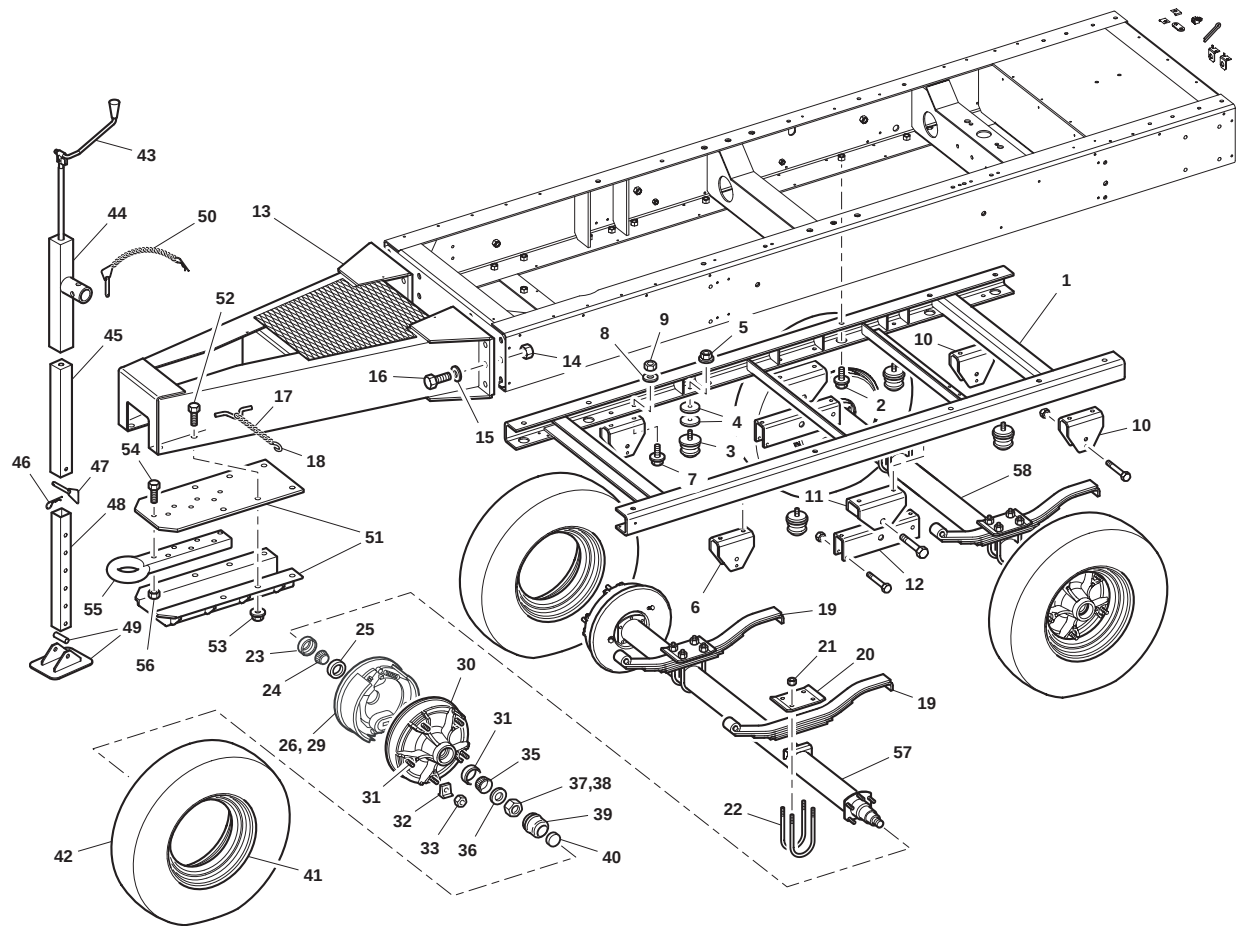
High Speed Running Gear (Hydraulic Brake)



22560833_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	

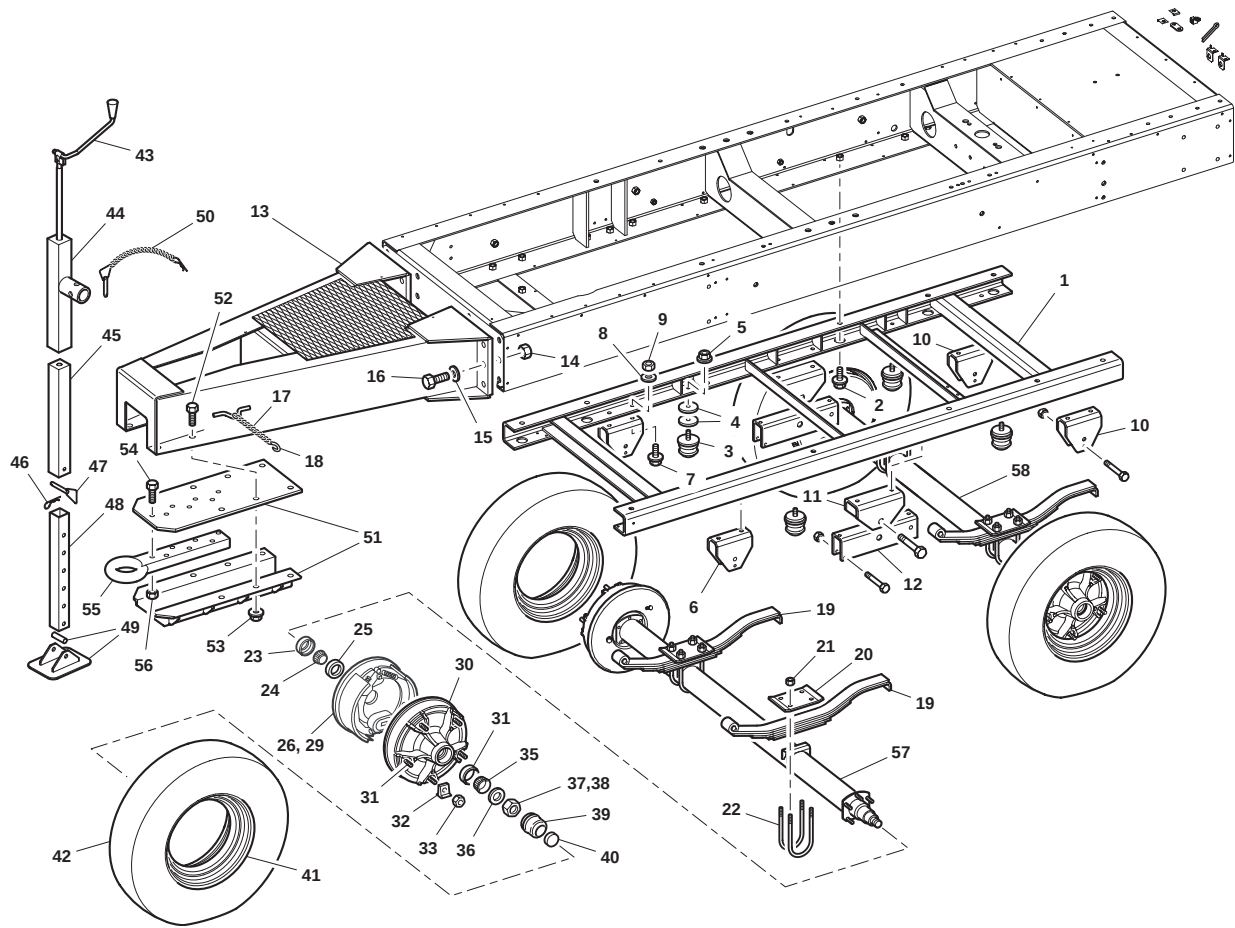
High Speed Running Gear (Electric Brake)



22560833_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		<i>Continued.....</i>

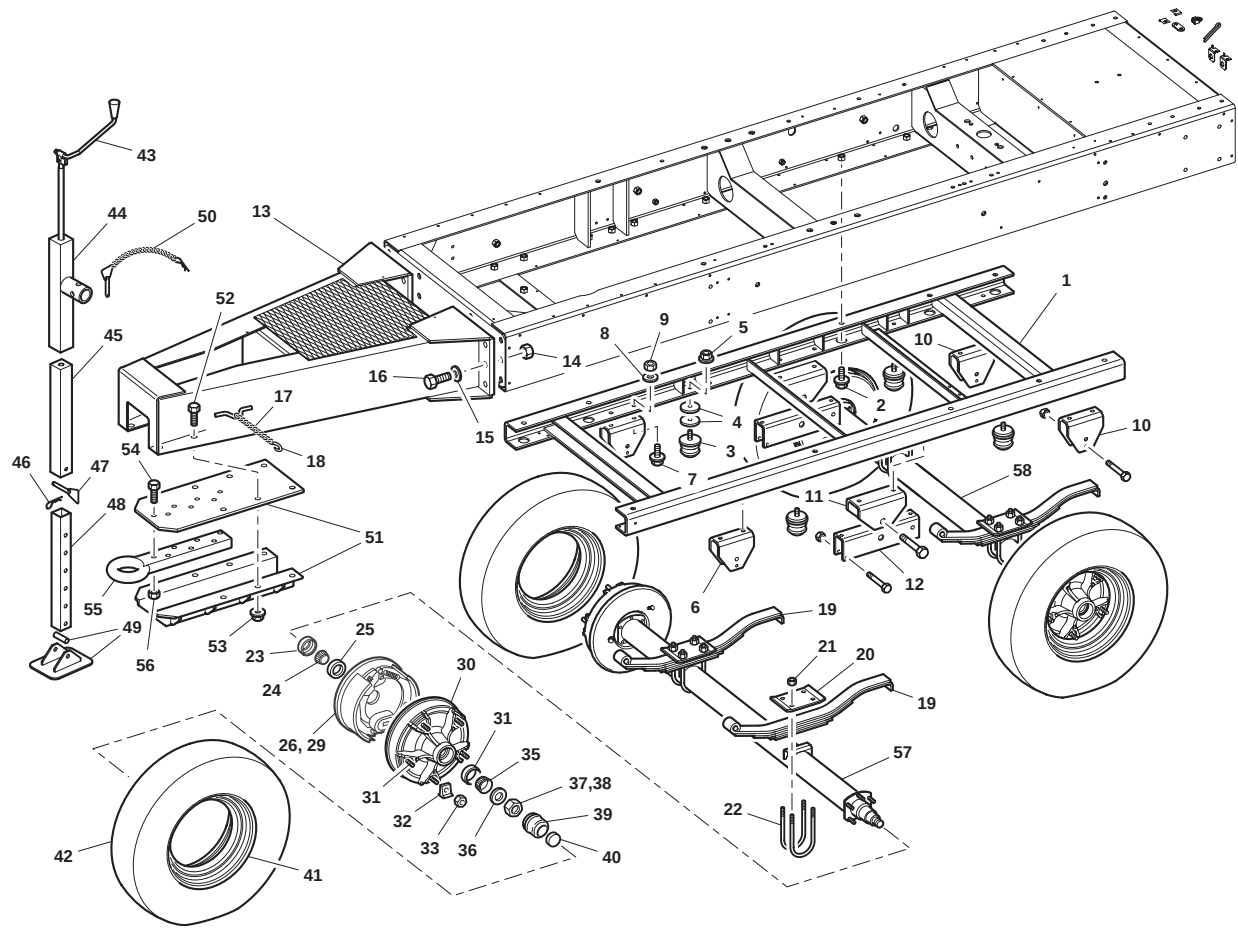
High Speed Running Gear (Electric Brake)



22560833_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.....

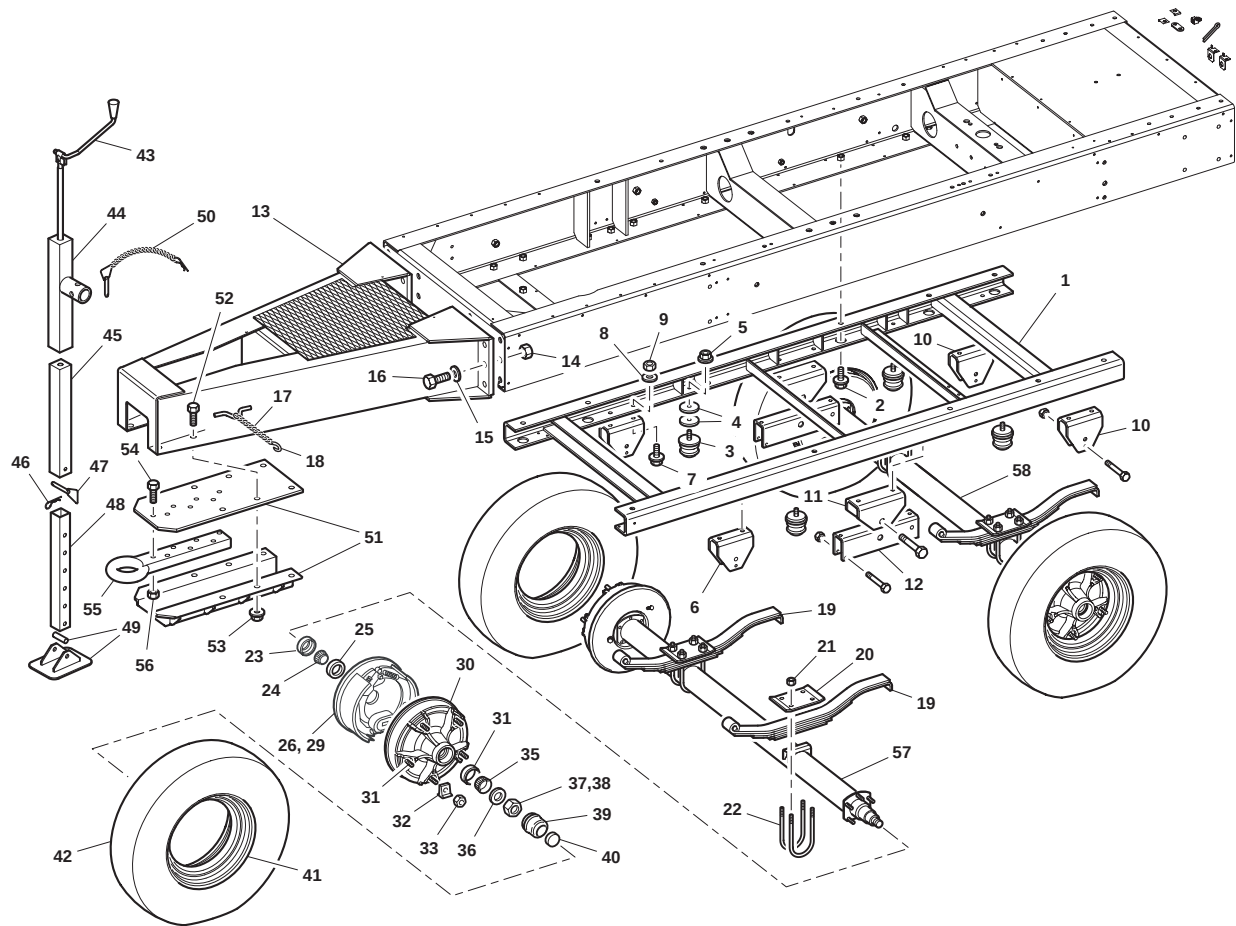
High Speed Running Gear (Electric Brake)



22560833_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.....

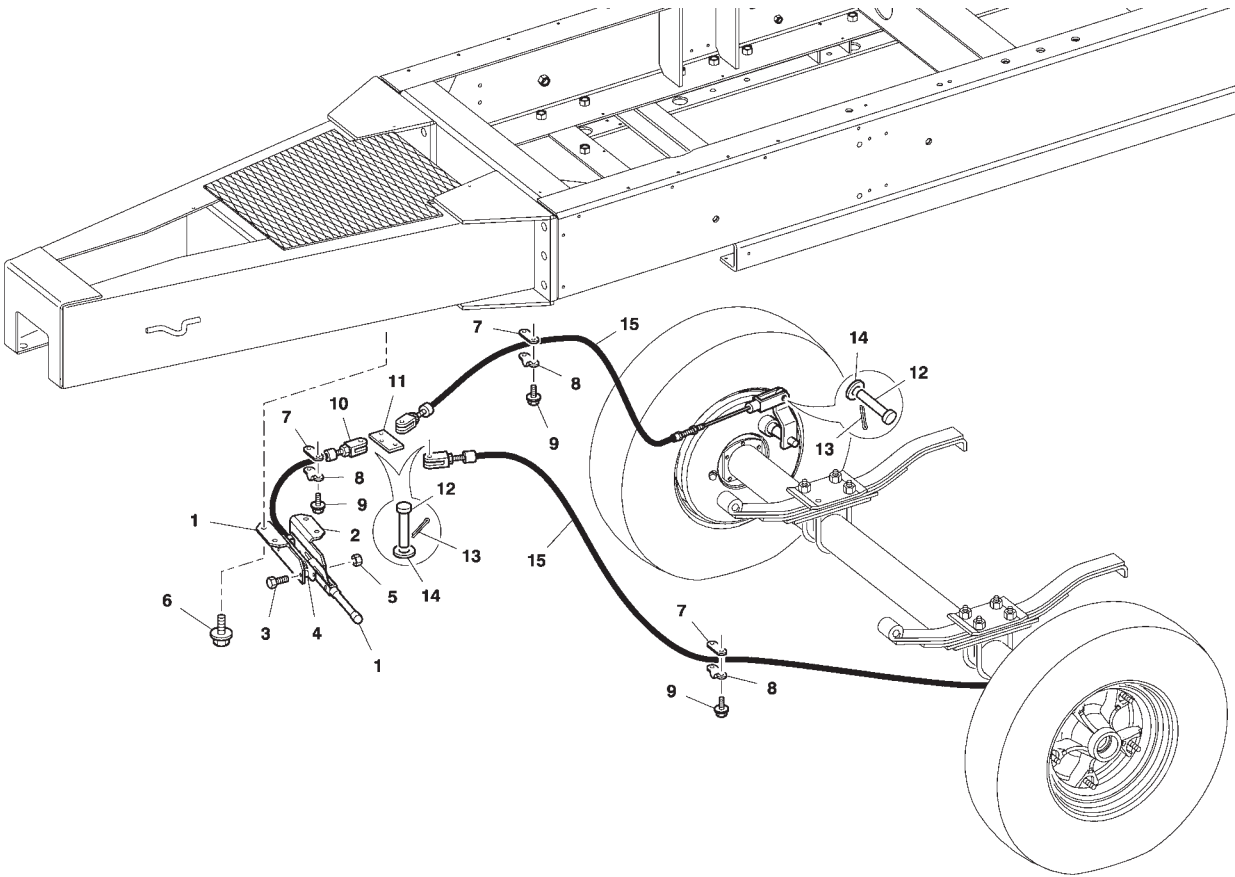
High Speed Running Gear (Electric Brake)



22560833_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	

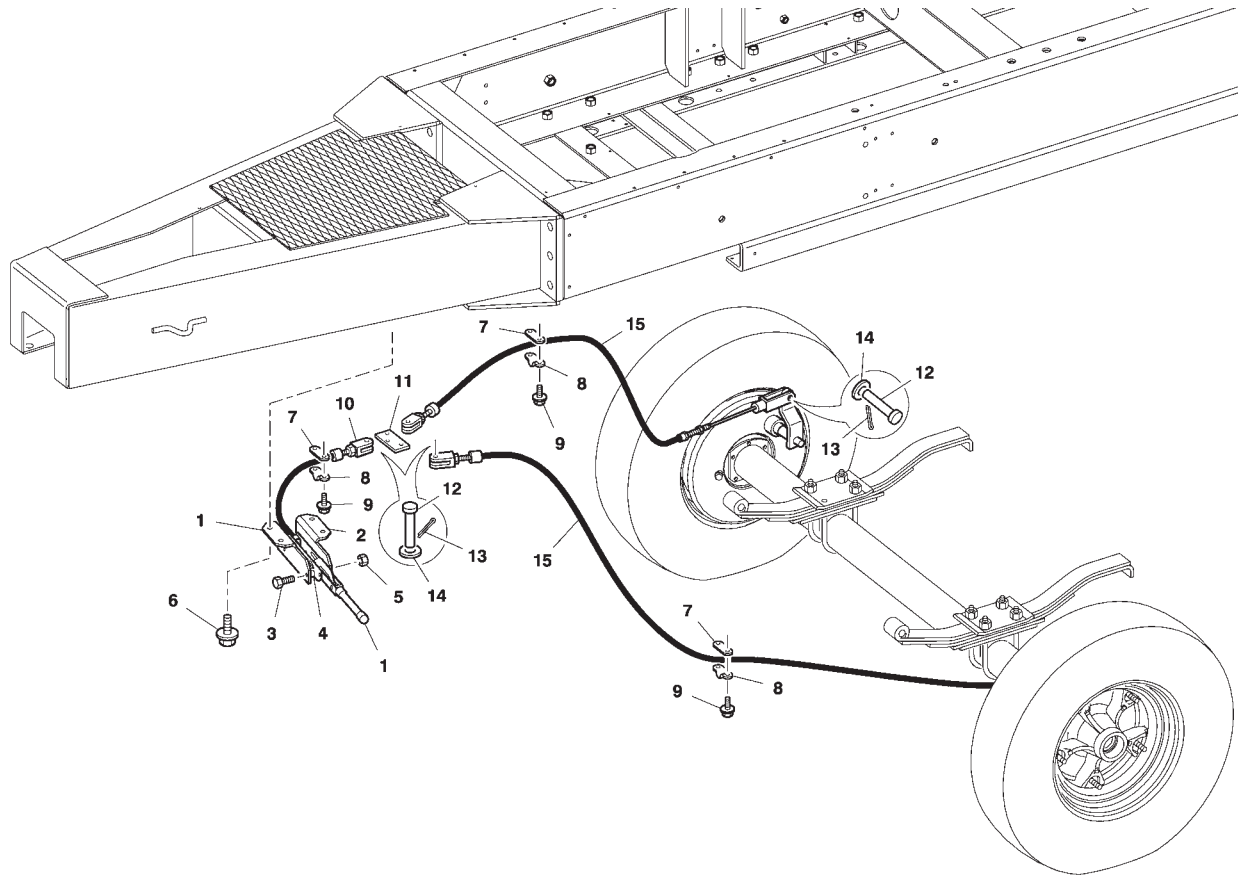
High Speed Running Gear (Parking Brake)



22560833_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	

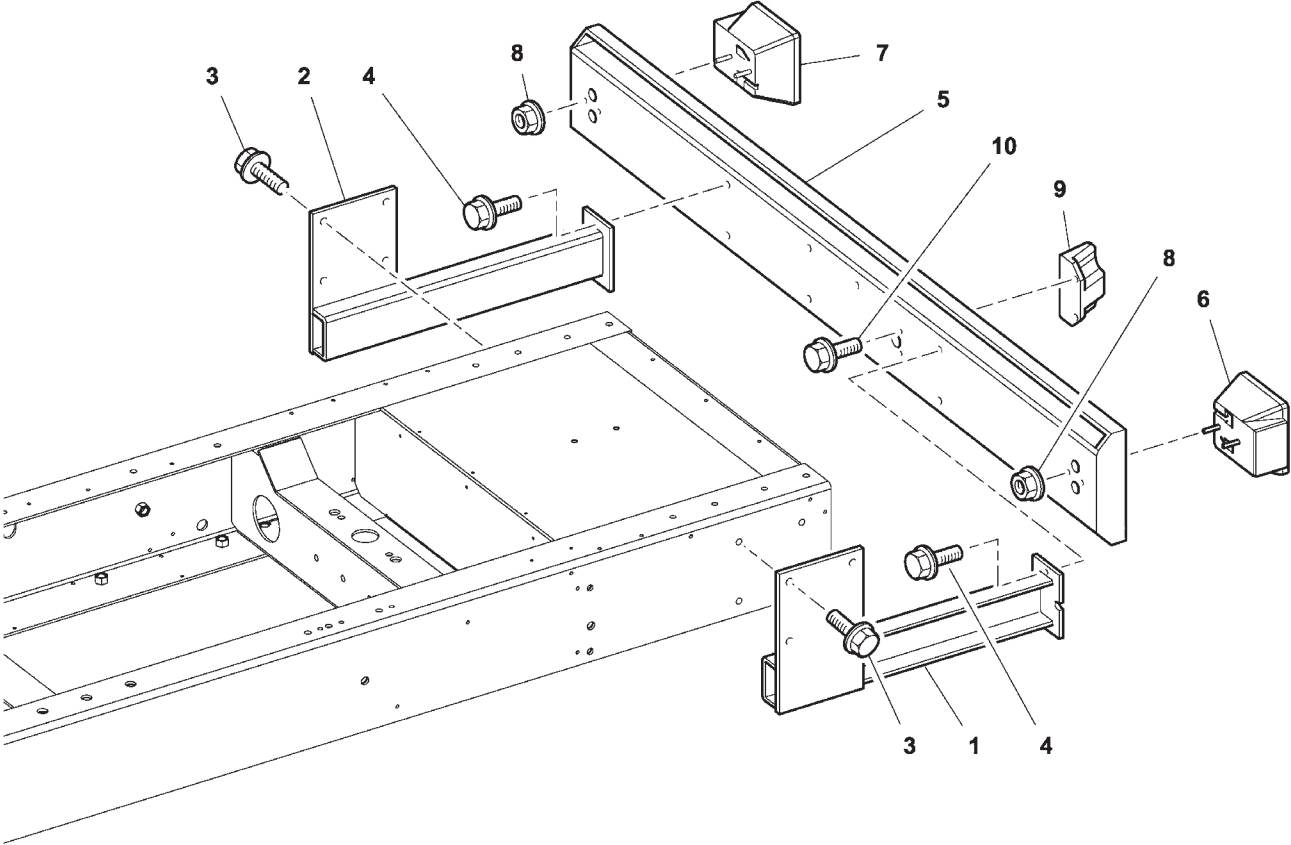
High Speed Running Gear (Parking Brake)



22560833_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	

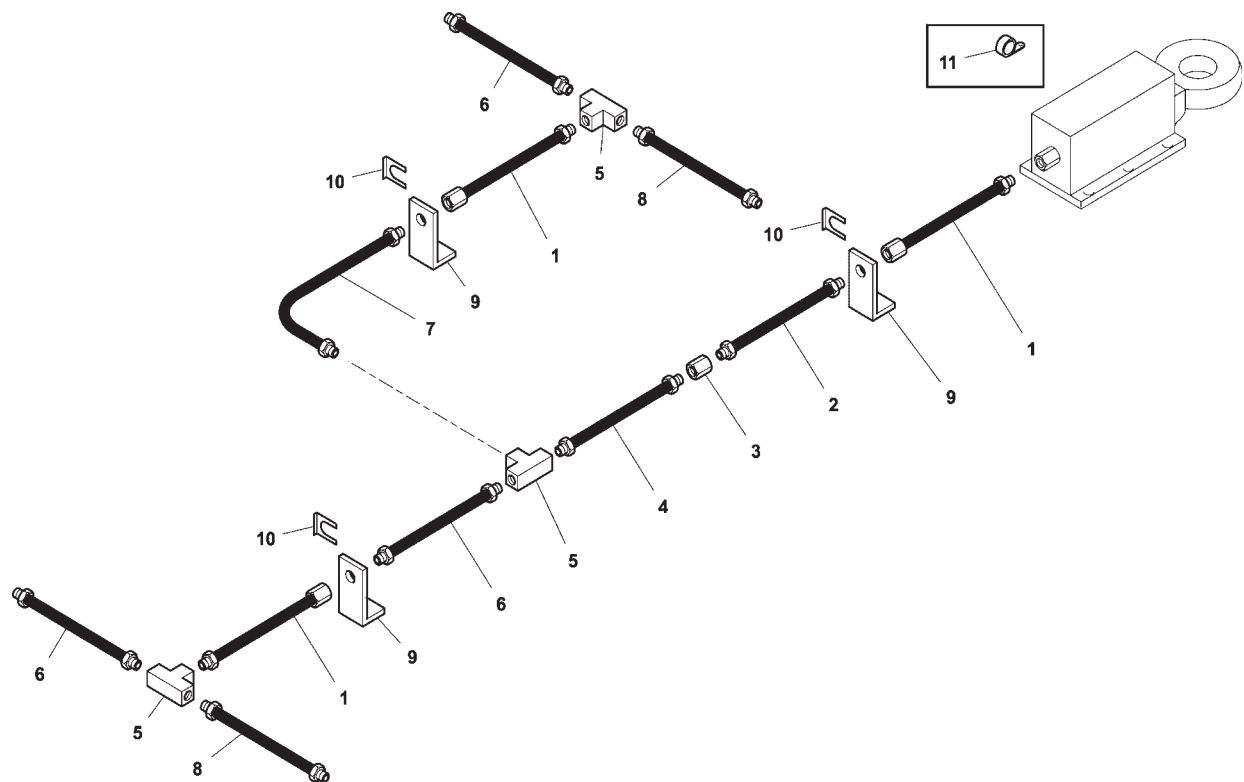
High Speed Running Gear



22560833_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	

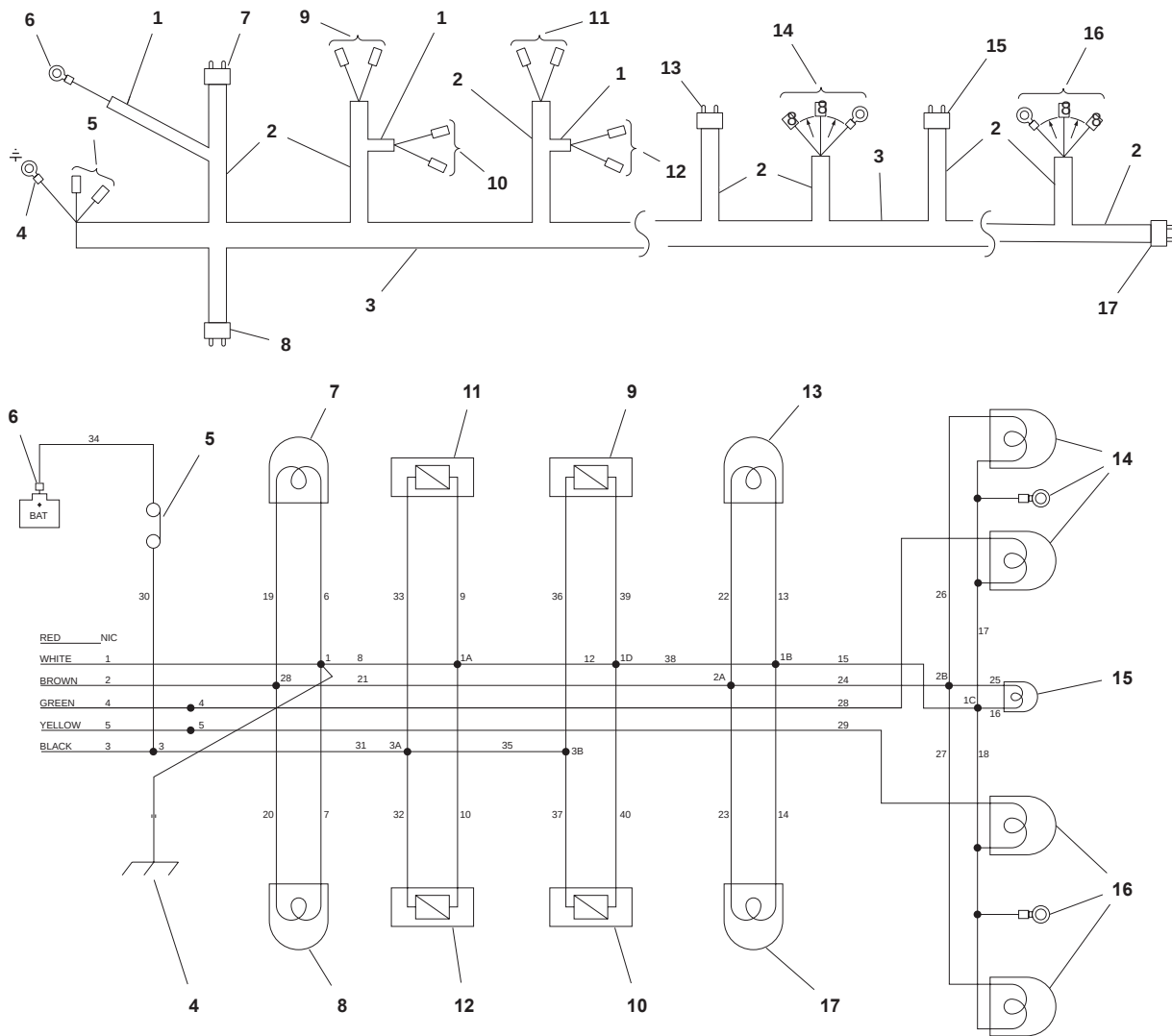
High Speed Running Gear



22560833_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

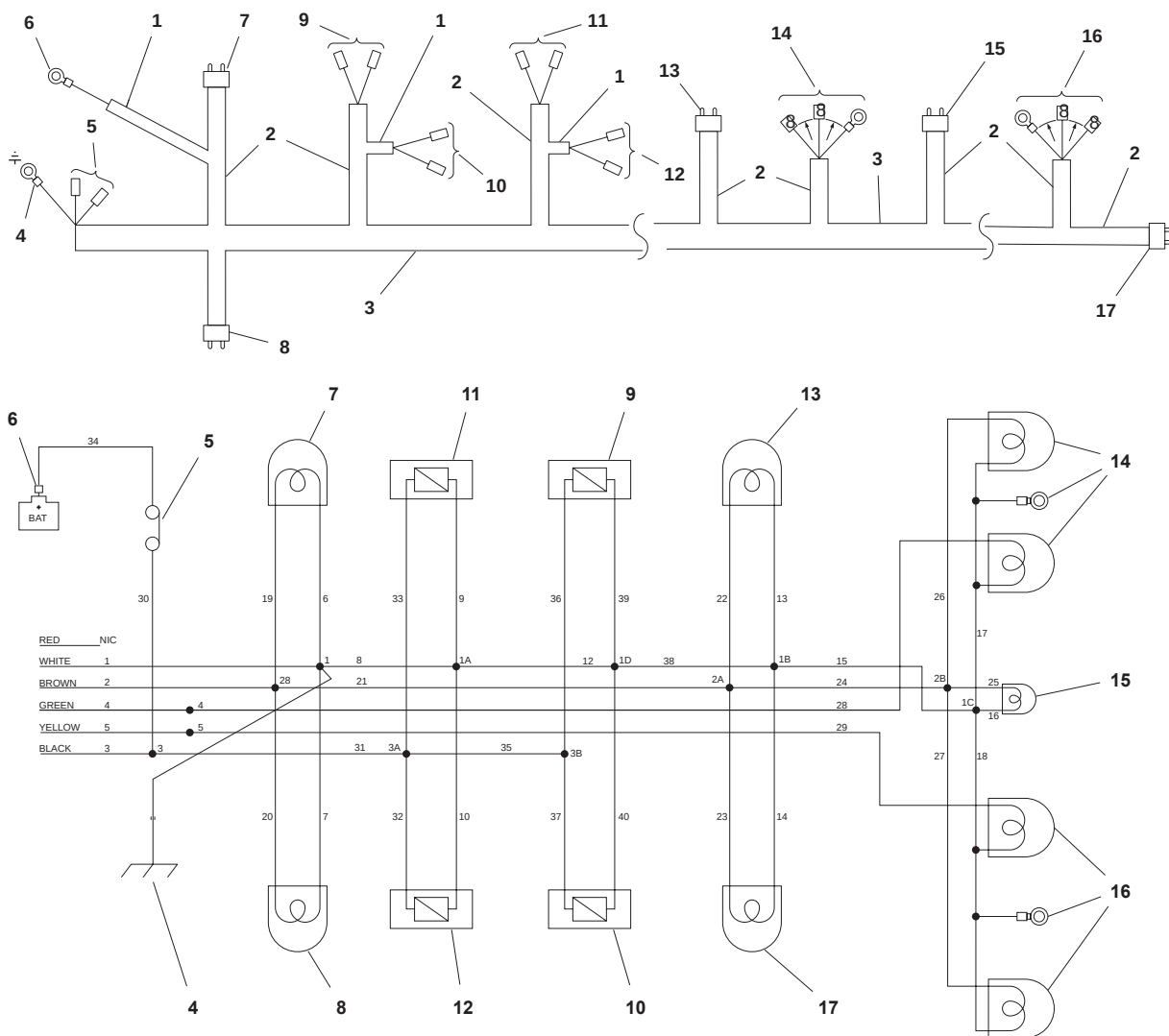


22560833_029_11/04_A

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.....

22560833

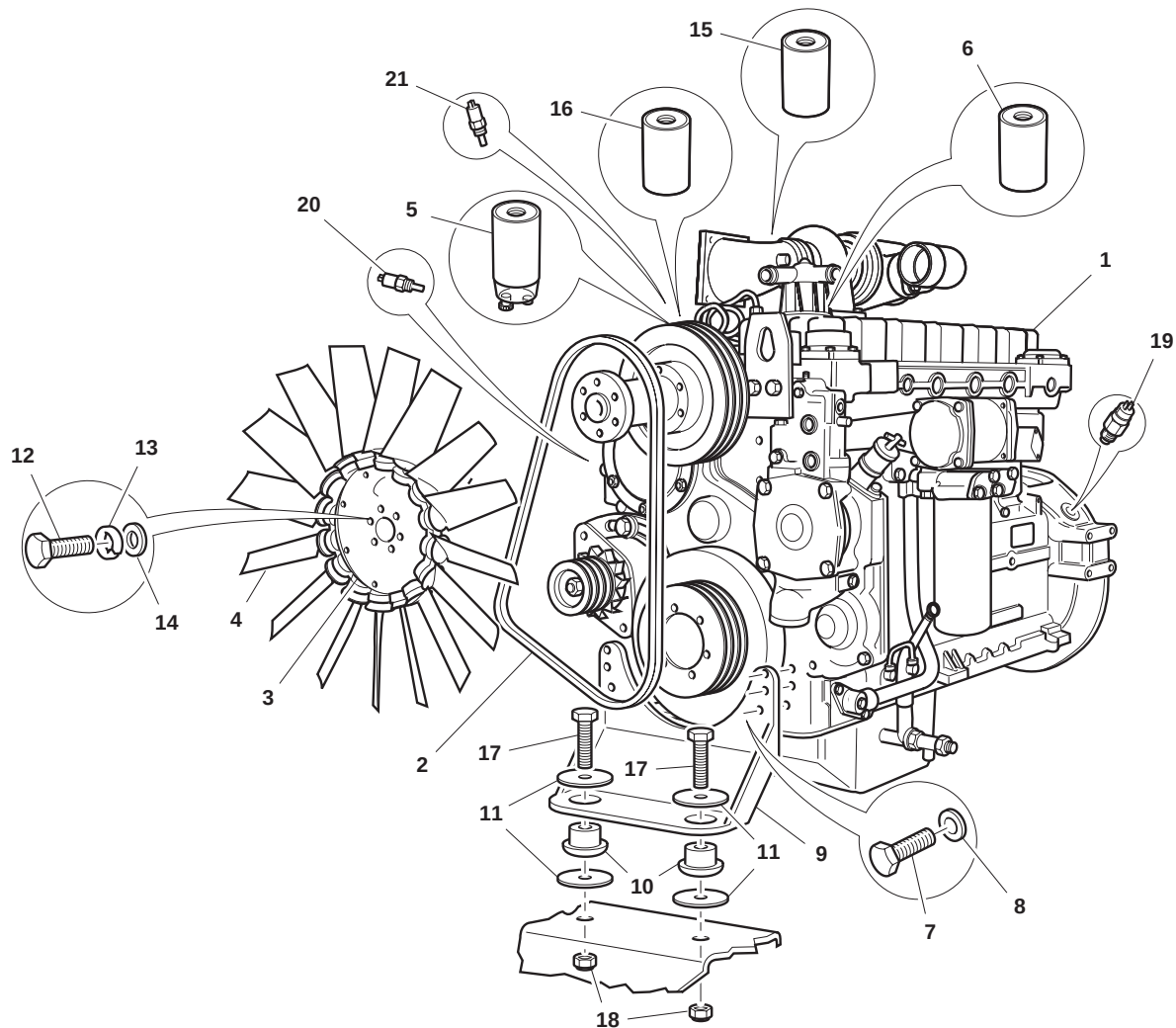
High Speed Running Gear



22560833_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	

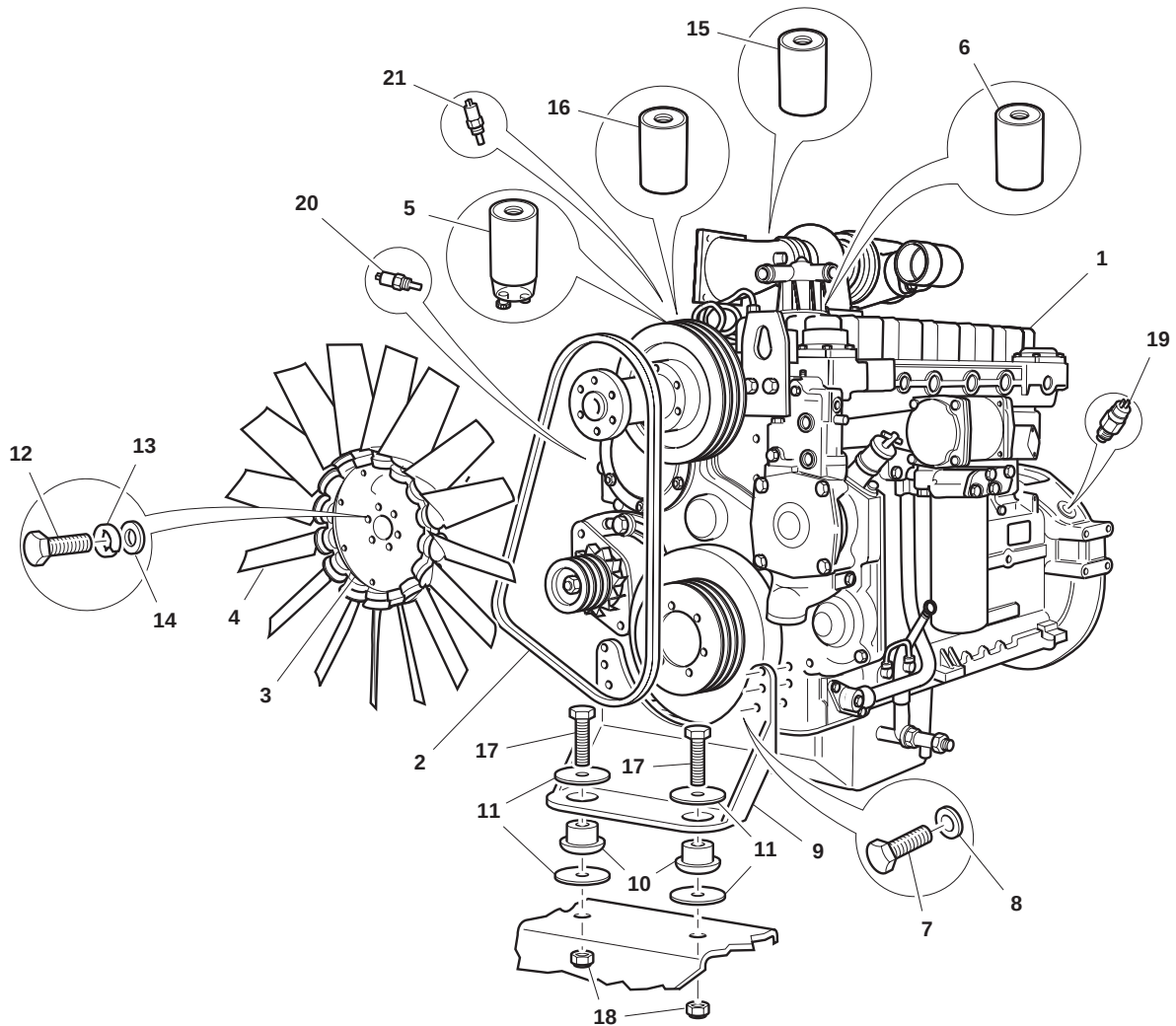
Engine Assembly (Caterpillar C - 9)



22560833_031_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22053458	Engine 275hp,		
	--	VHP750, MHP825, XHP700, SHP750	1	
2	22377675	Set, Belts	1	
3	54763495	Fan	1	
4	N.S.S	Blade, Fan	16	
5	22090534	Element, Fuel Filter (Primary Filter)	1	
6	22284376	Element, Fuel Filter (Secondary Filter)	1	
7	96704283	Screw	6	
8	95935003	Washer	6	
9	22097646	Engine Front Mount	1	Continued.....

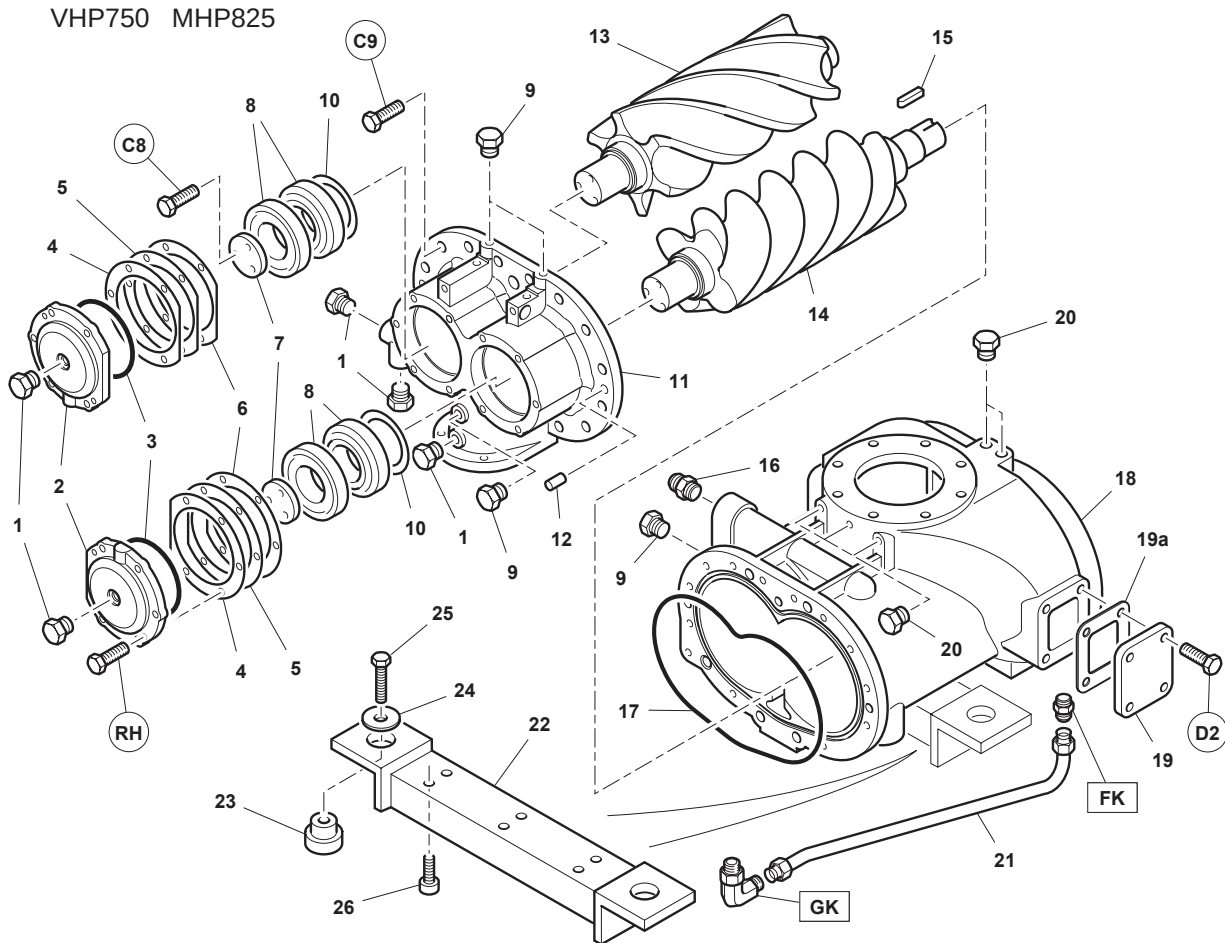
Engine Assembly (Caterpillar C - 9)



22560833_031_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
10	92062157	Mount	2	Continued
11	35609874	Washer, Snubber	4	
12	35271154	Screw	6	
13	92304674	Lock Washer	6	
14	95935037	Washer	6	
15	22351654	Element, Coolant Condition	1	
16	35362235	Filter, Oil	1	
17	92311703	Screw	1	
18	92311695	Locknut	1	
19	36785319	Mag Speed Pickup	1	
20	36870608	Sending Unit, Engine Oil Pressure Gauge	1	
21	36841138	Sending Unit, Engine Coolant Temperature	1	

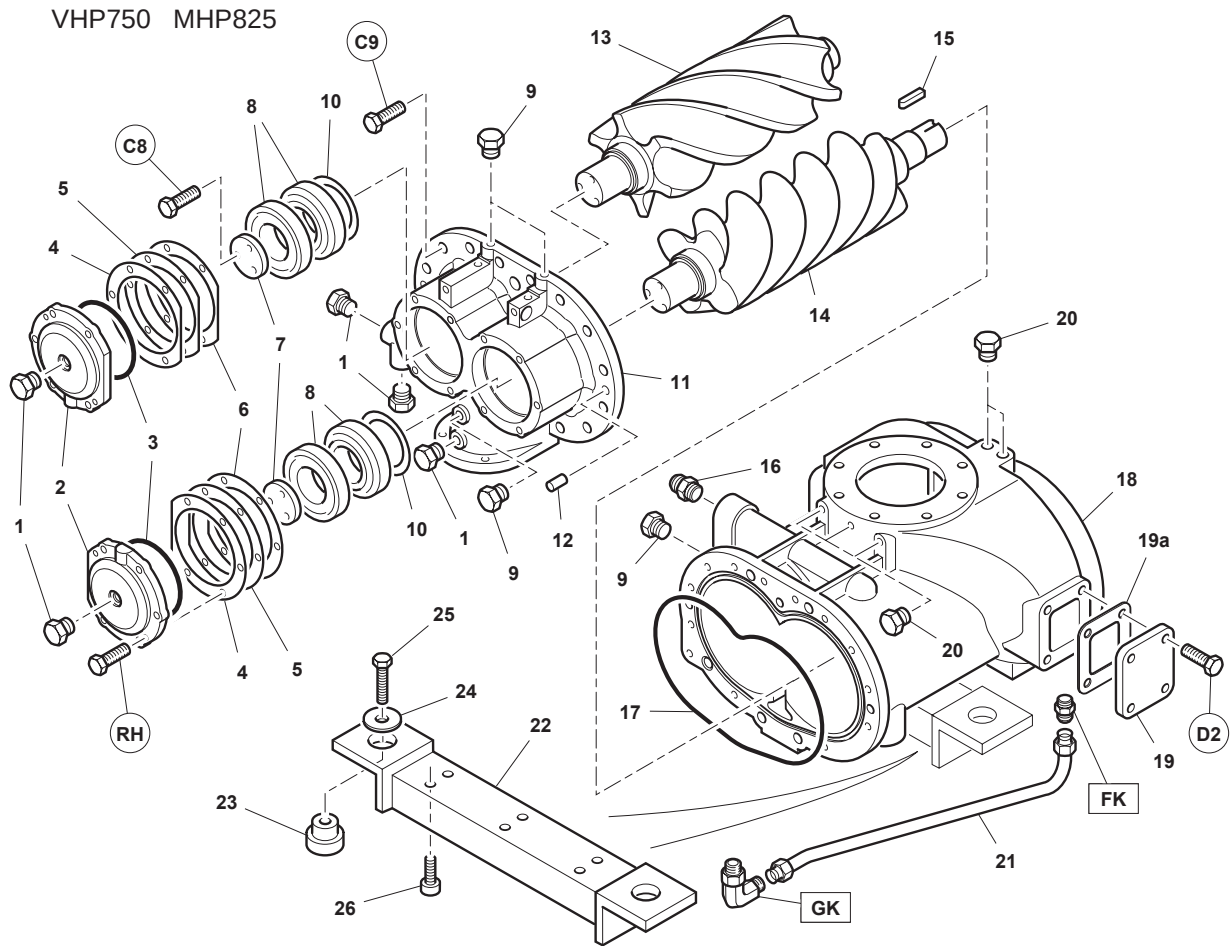
Airend Assembly



22560833_033_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.....

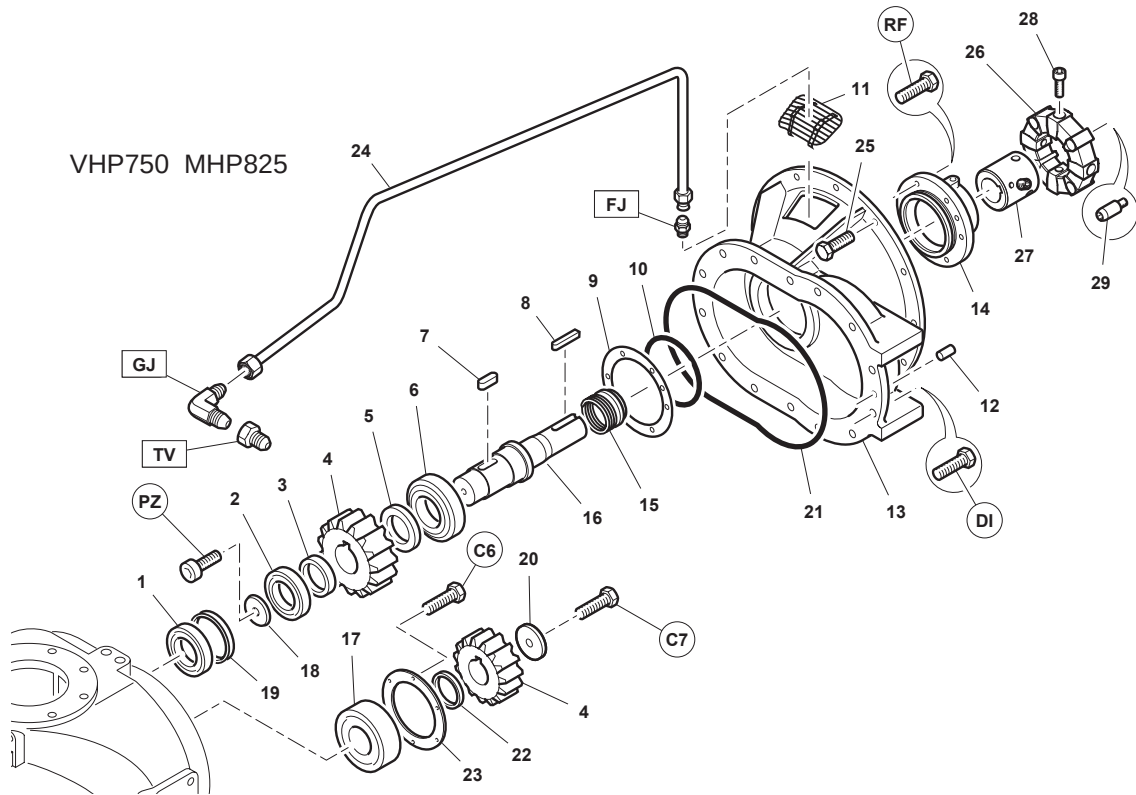
Airend Assembly



22560833_033_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

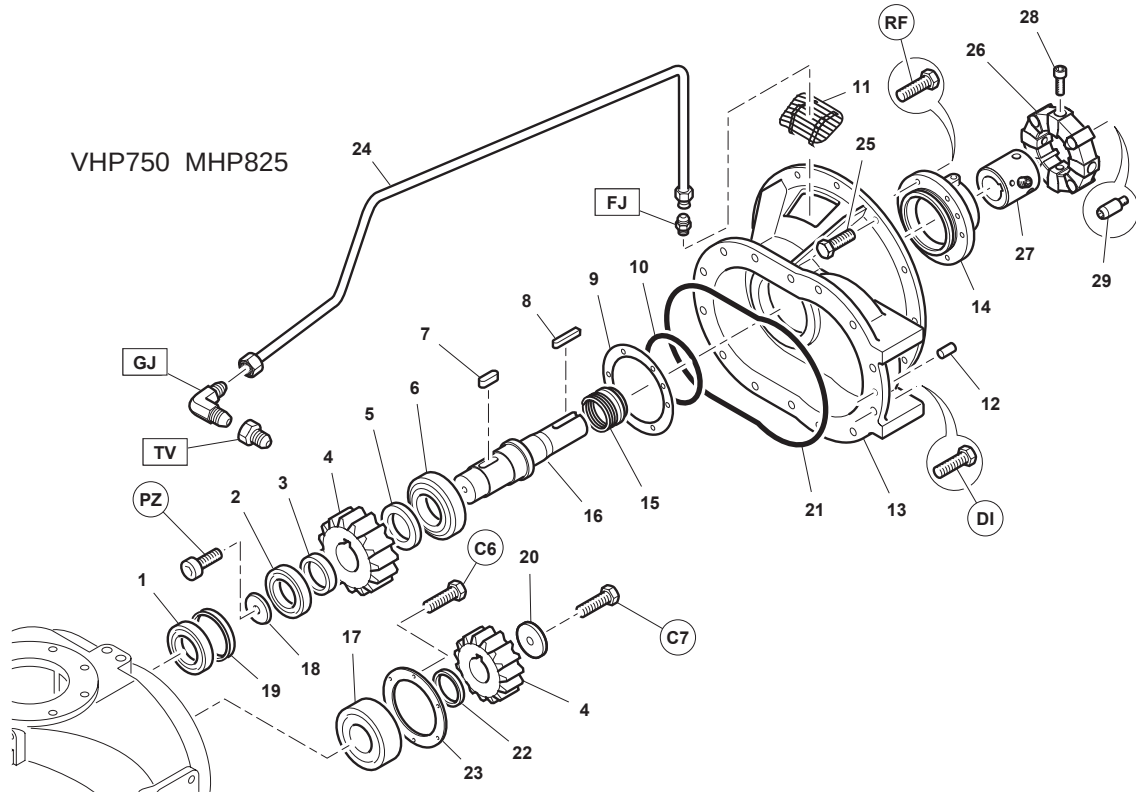


Model		Gear set	Airend complete including gears
12/235	MHP825	36740546	42437590
—	VHP750	35334853	42437582

22560833_035_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

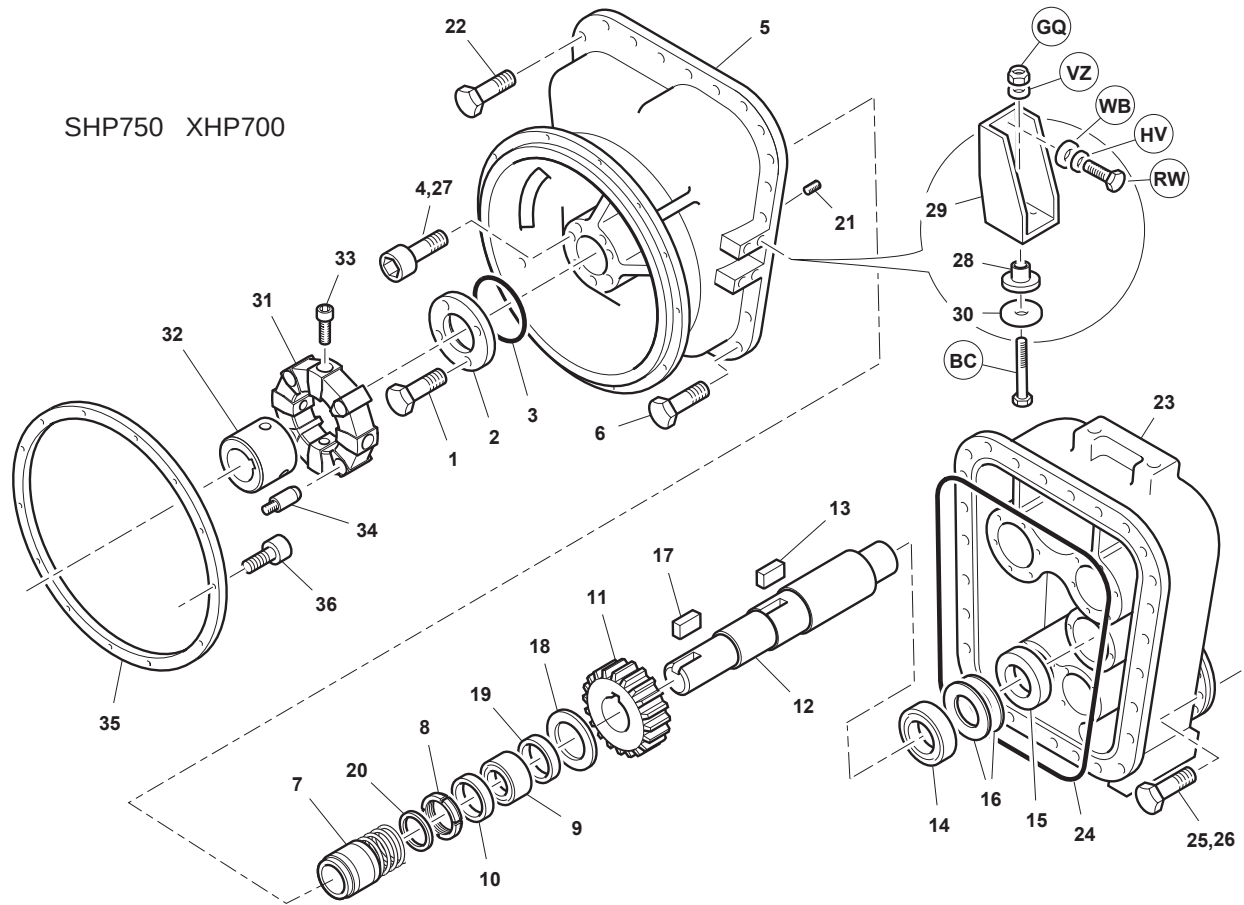


Model		Gear set	Airend complete including gears
12/235	MHP825	36740546	42437590
-	VHP750	35334853	42437582

22560833_035_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

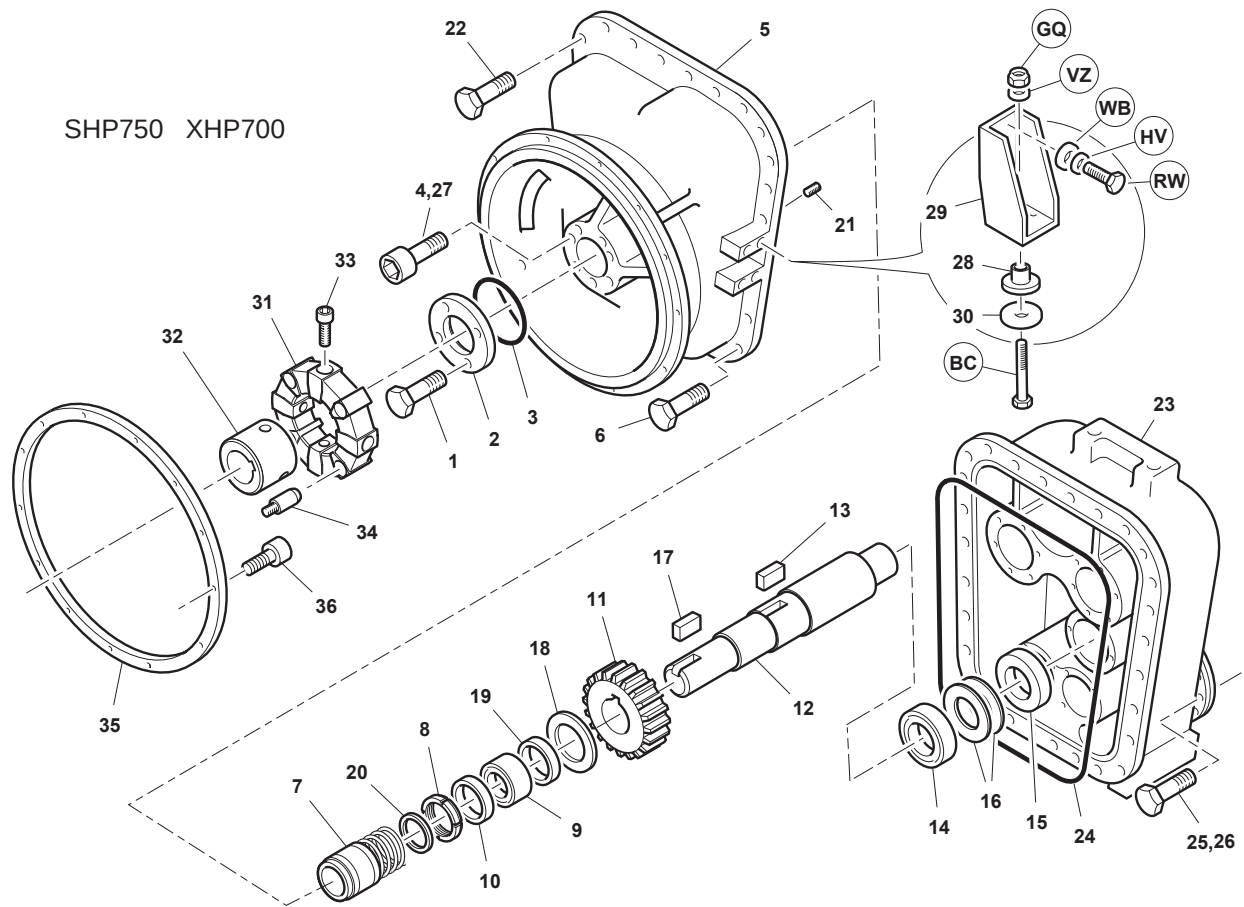


Model	Airend complete including gears	Gear set
SHP750	35096205	36763183
XHP700	35089879	36750651

22560833_037_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	Continued.....

Airend Assembly



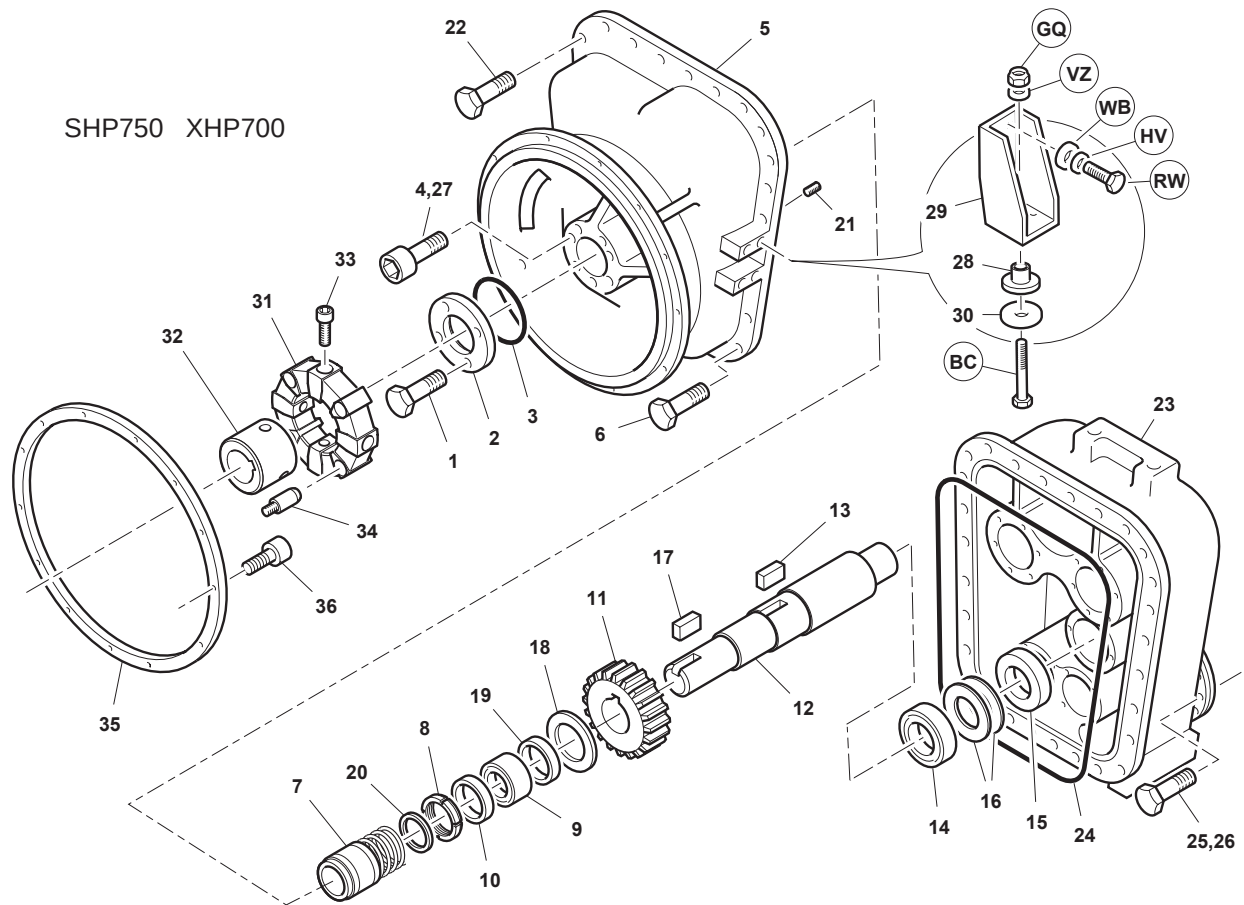
Model	Airend complete including gears	Gear set
SHP750	35096205	36763183
XHP700	35089879	36750651

22560833_037_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
14	35610203	Bearing	1	Continued
15	35372010	Spacer	1	
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.....

22560833

Airend Assembly



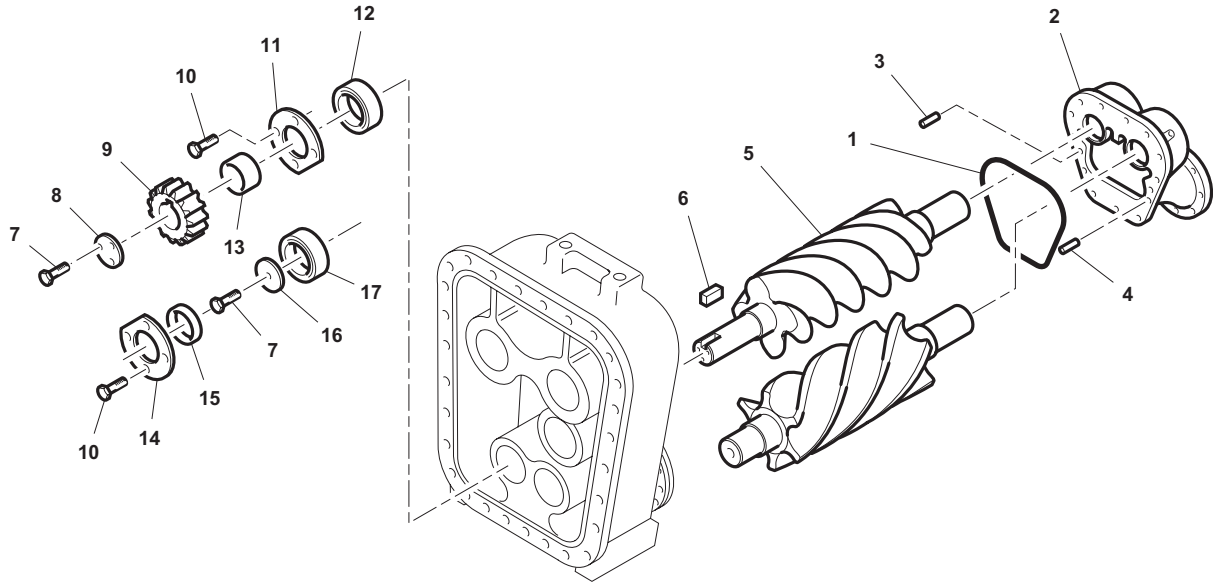
Model	Airend complete including gears	Gear set
SHP750	35096205	36763183
XHP700	35089879	36750651

22560833_037_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
28	92894518	Mount	2	Continued
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

SHP750 XHP700

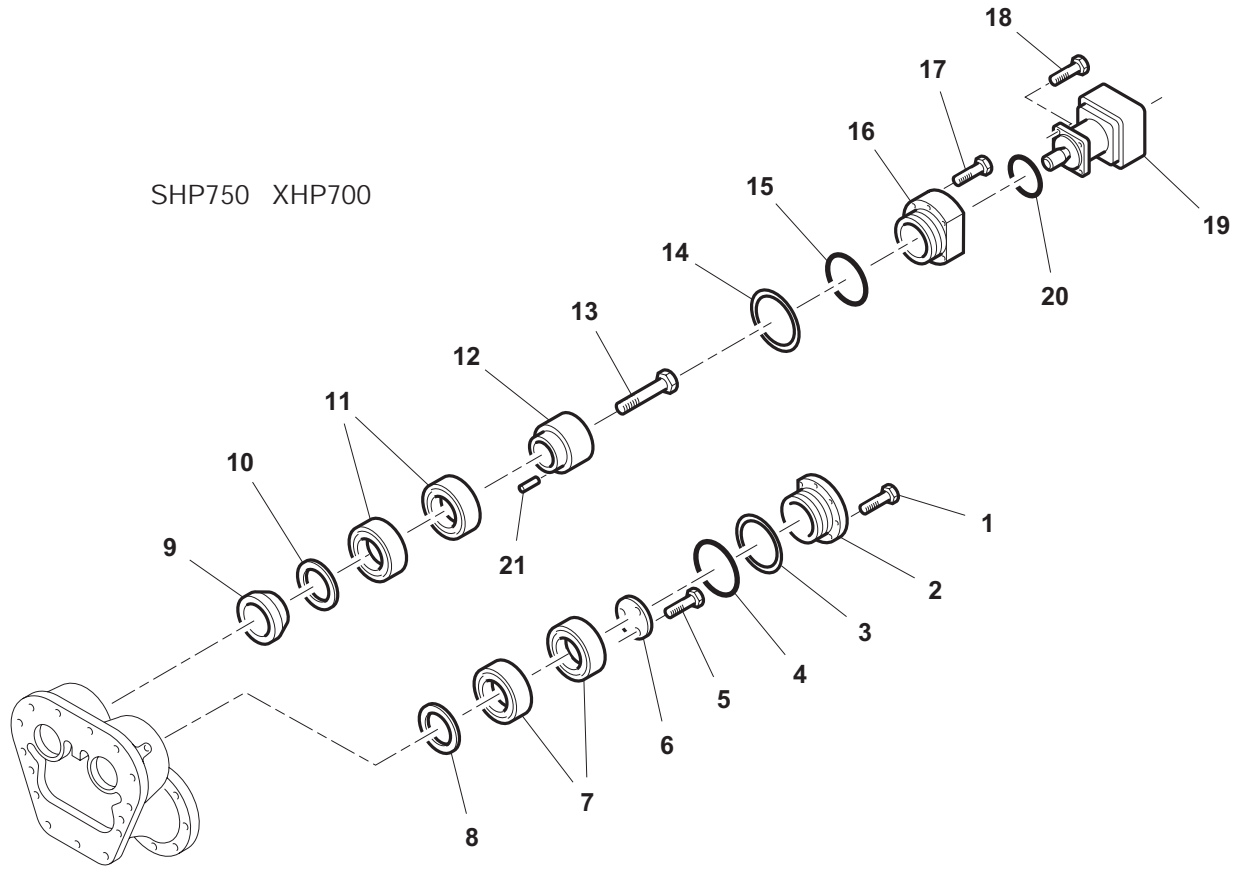


Model	Airend complete including gears	Gear set
SHP750	35096205	36763183
XHP700	35089879	36750651

22560833_040_11/04_A

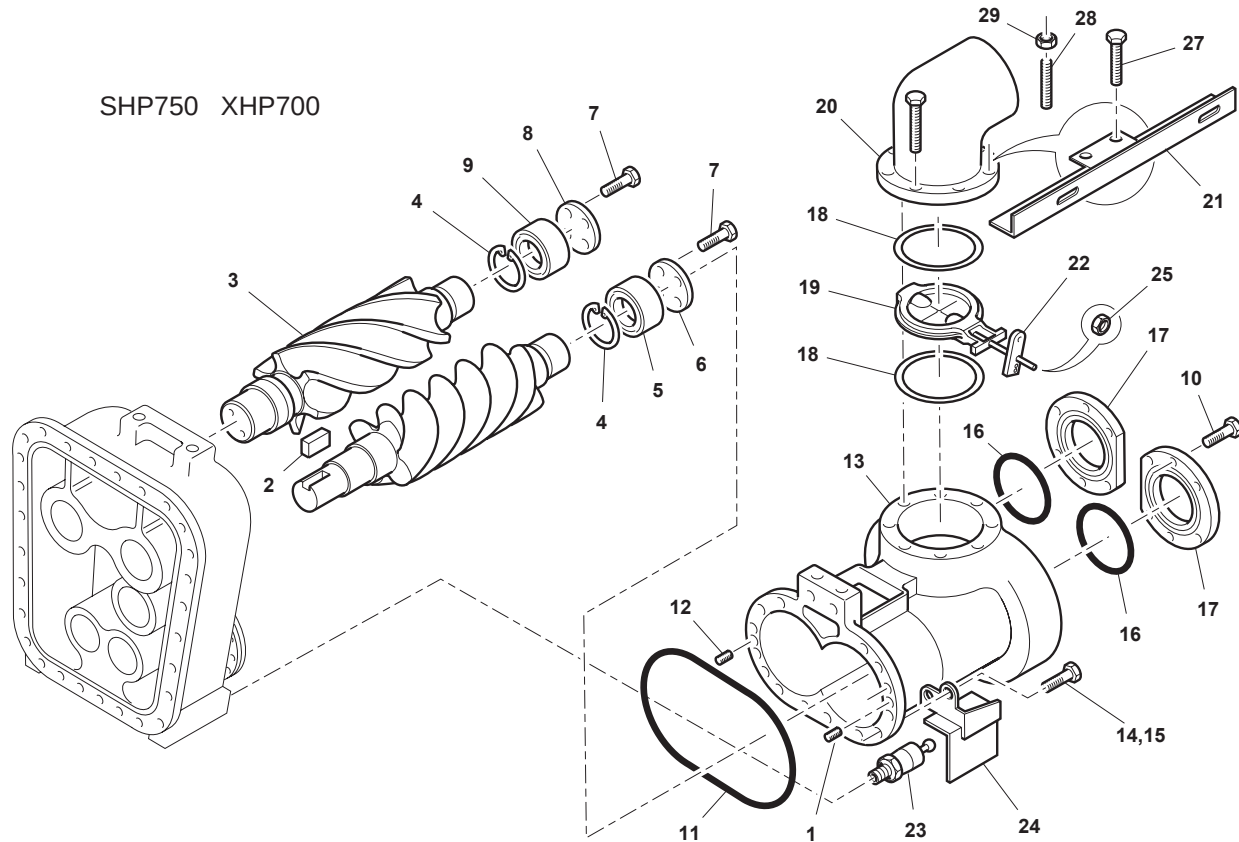
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35355791	O-Ring	1	
2	36738128	Housing	1	
3	35336122	Dowel	1	
4	35336130	Dowel	1	
5	36006732	Rotor Set	1	
6	35355817	Key	1	
7	35311463	Bolt	4	
8	35300193	Plate	1	
9	--	Gear-Set (Refer to table)		
10	35273408	Bolt	8	
11	35355965	Plate, Retaining	1	
12	35600022	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



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	

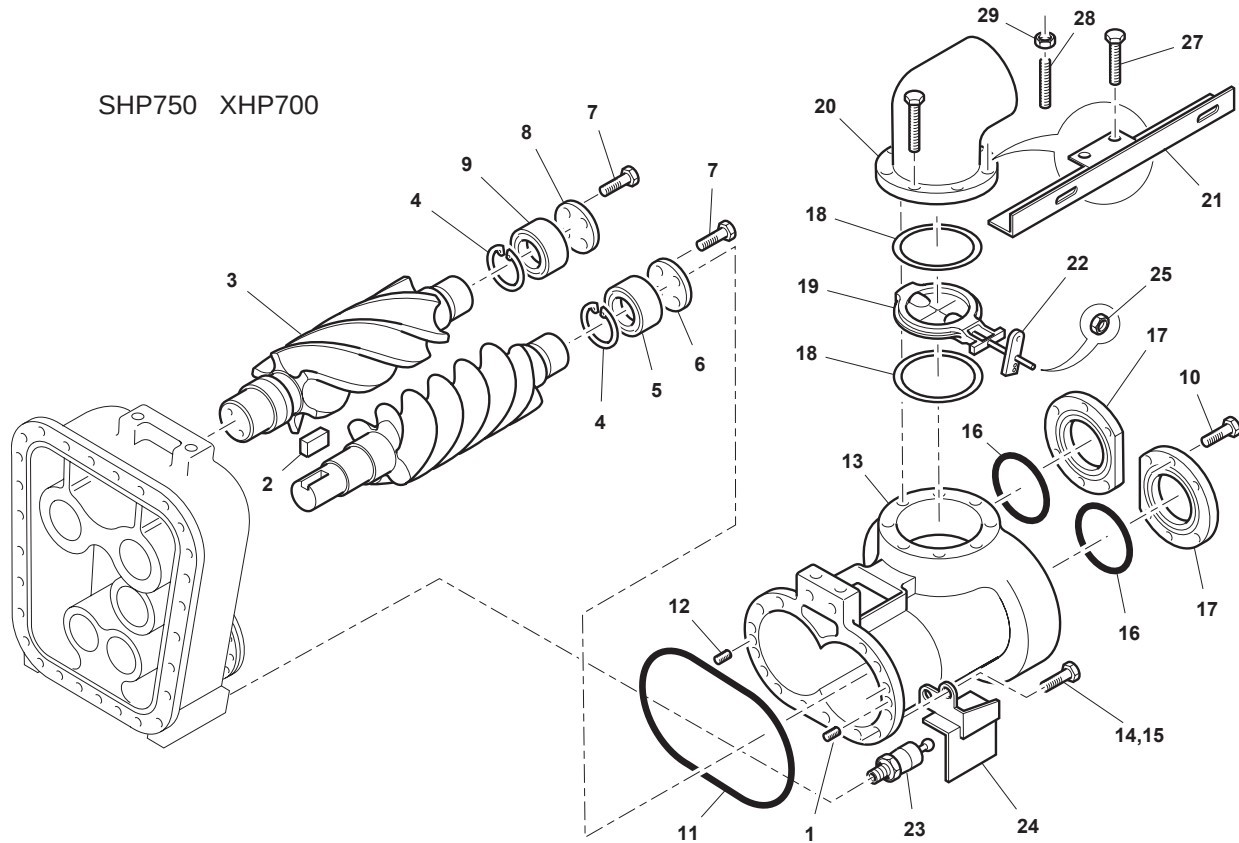
Airend Assembly



22560833_042_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

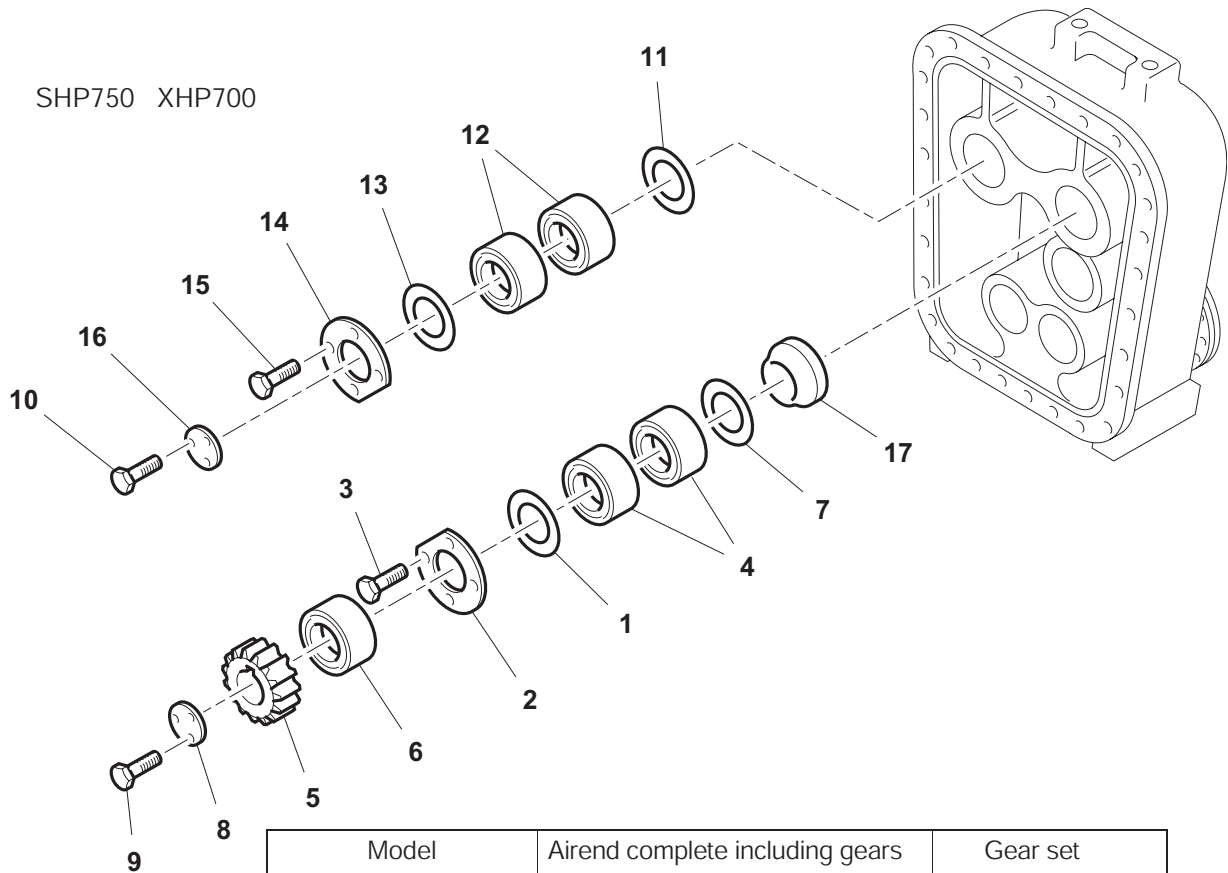


22560833_042_11/04_A

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	

22560833

Airend Assembly

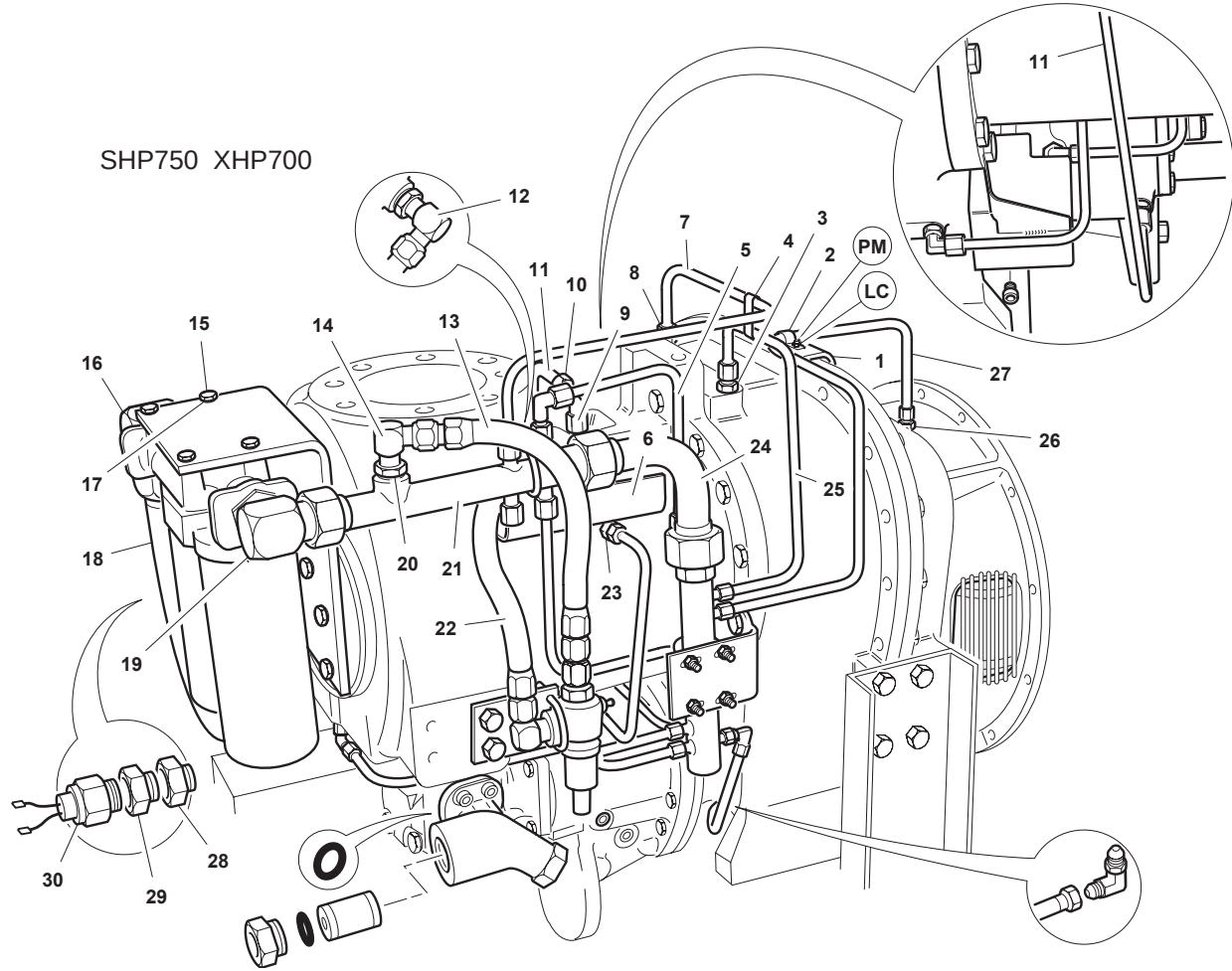


Model	Airend complete including gears	Gear set
SHP750	35096205	36763183
XHP700	35089879	36750651

22560833_044_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	

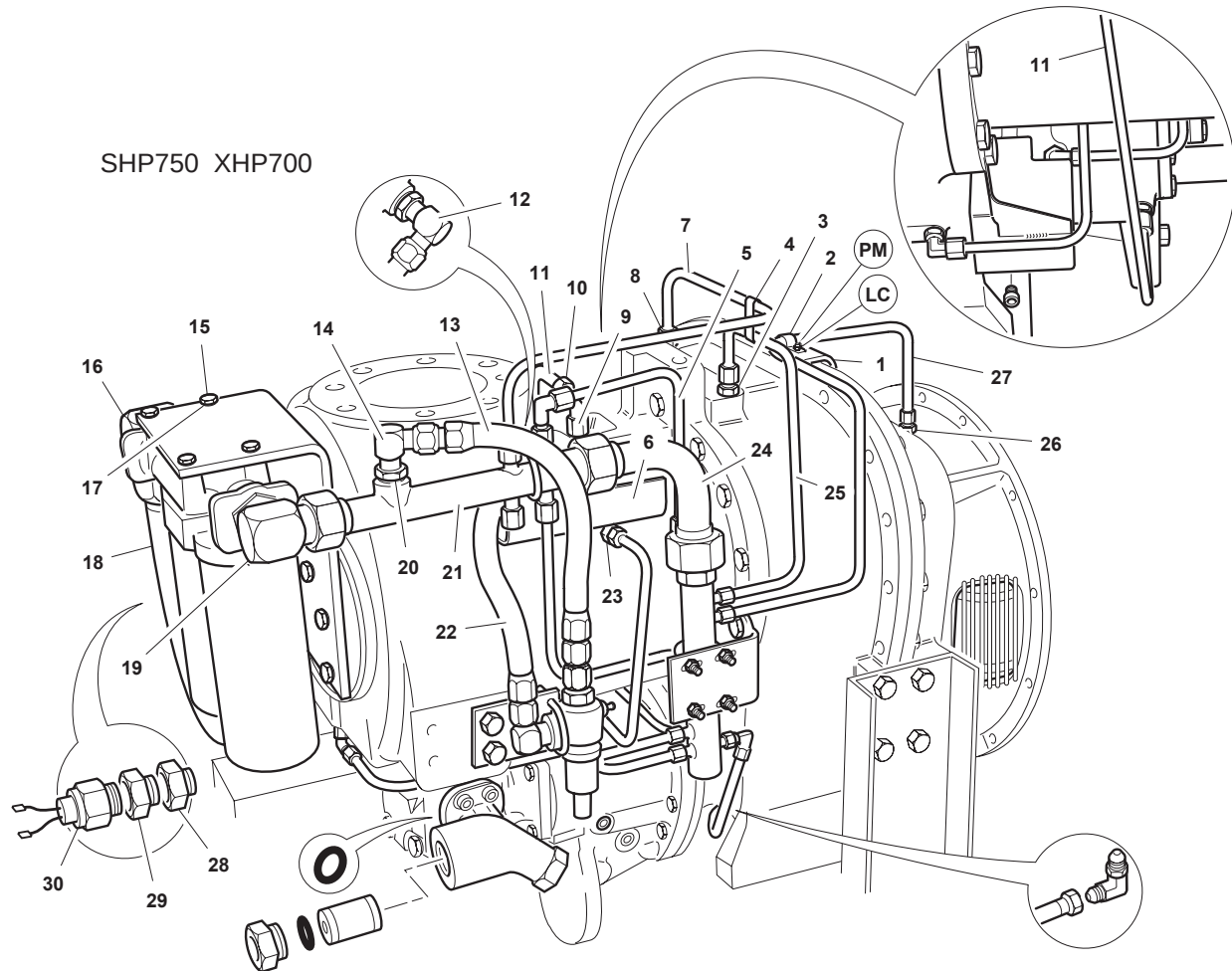
Airend Pipework



22560833_045_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

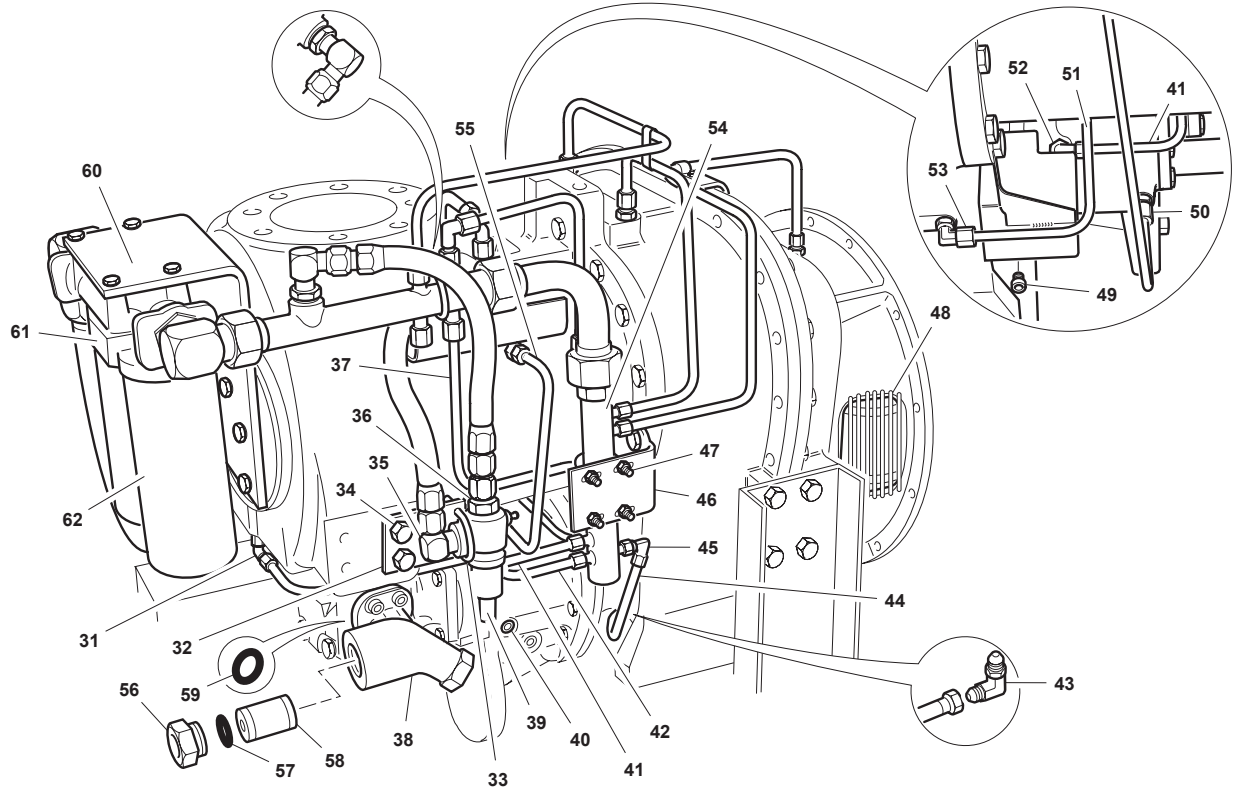


22560833_045_11/04_A

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

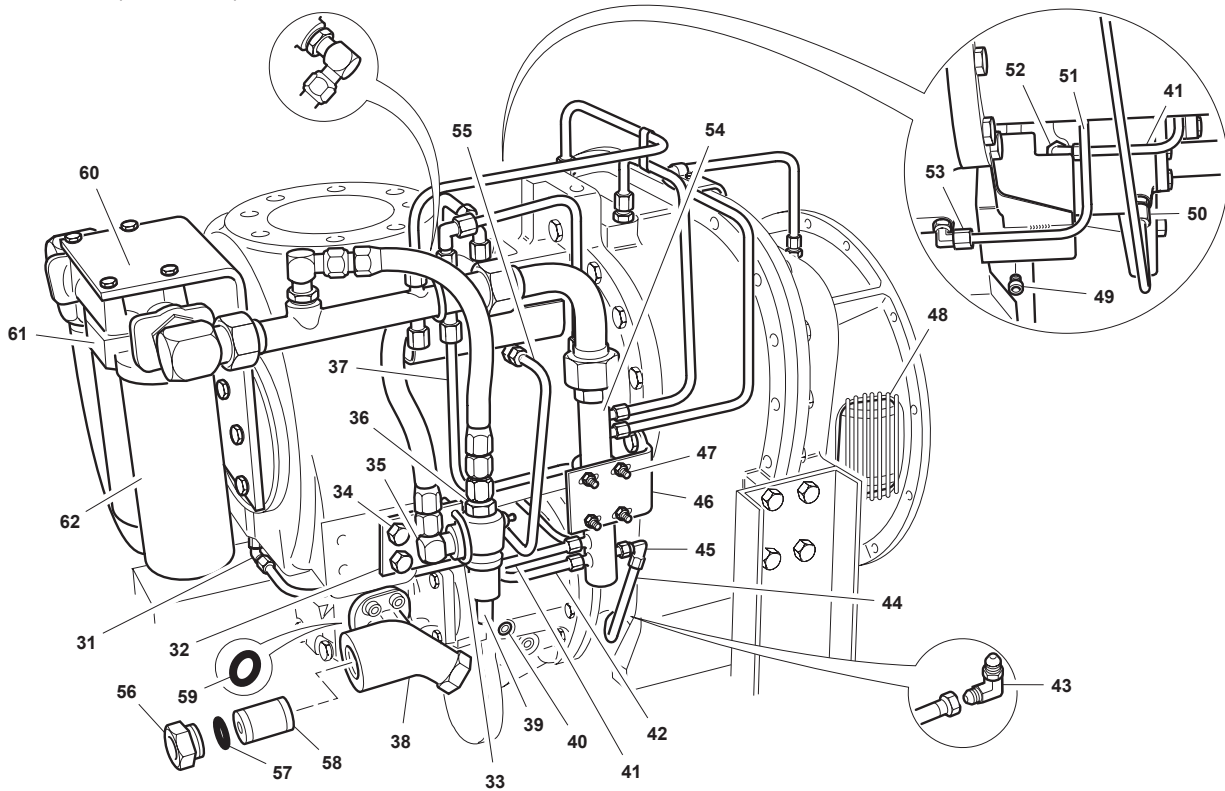


22560833_047_11/04_A

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

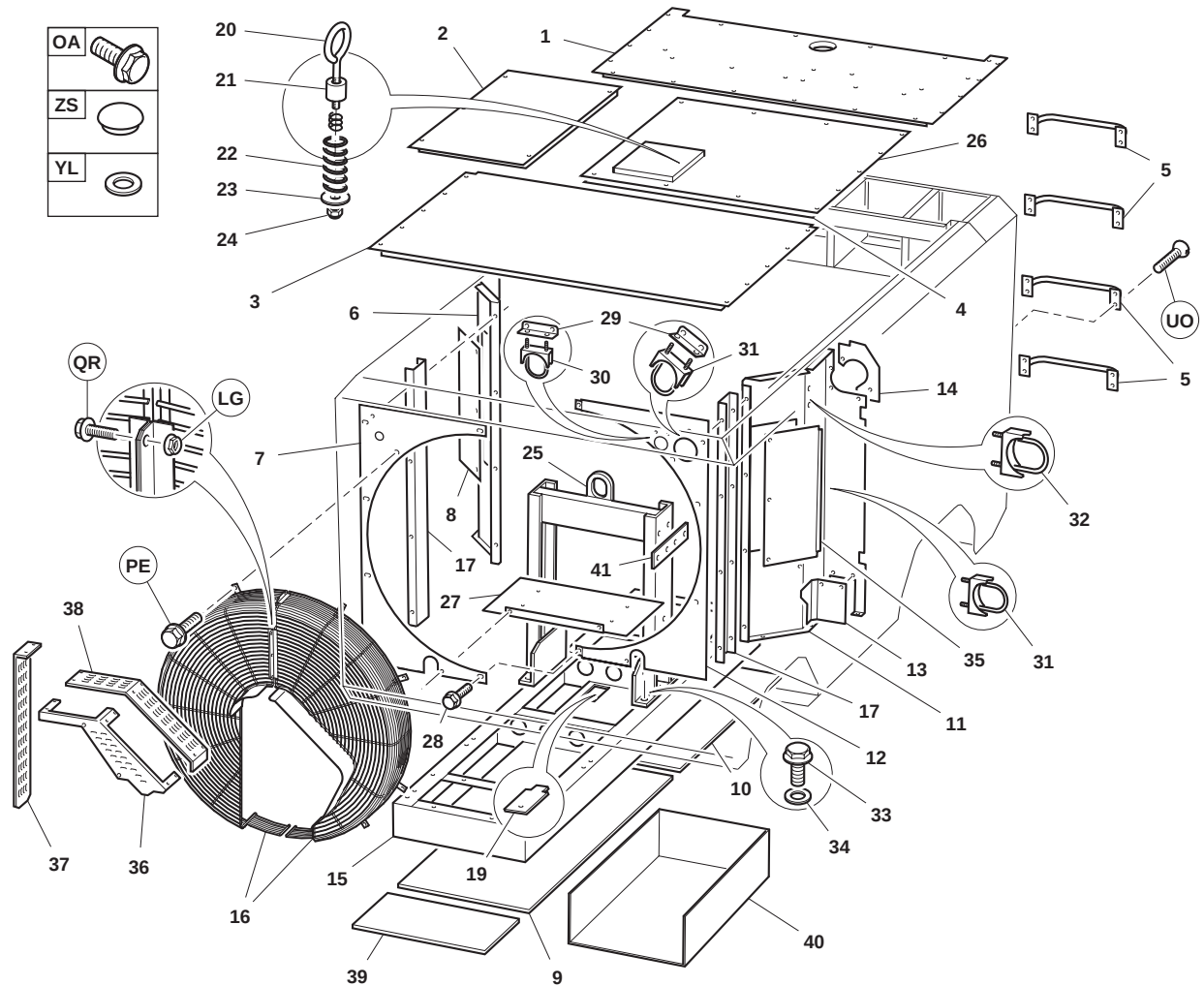
17/235, 21/215
SHP825, XHP750, XHP650



22560833_047_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
47	35306638	U-Bolt	2	 <i>Continued</i>
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	

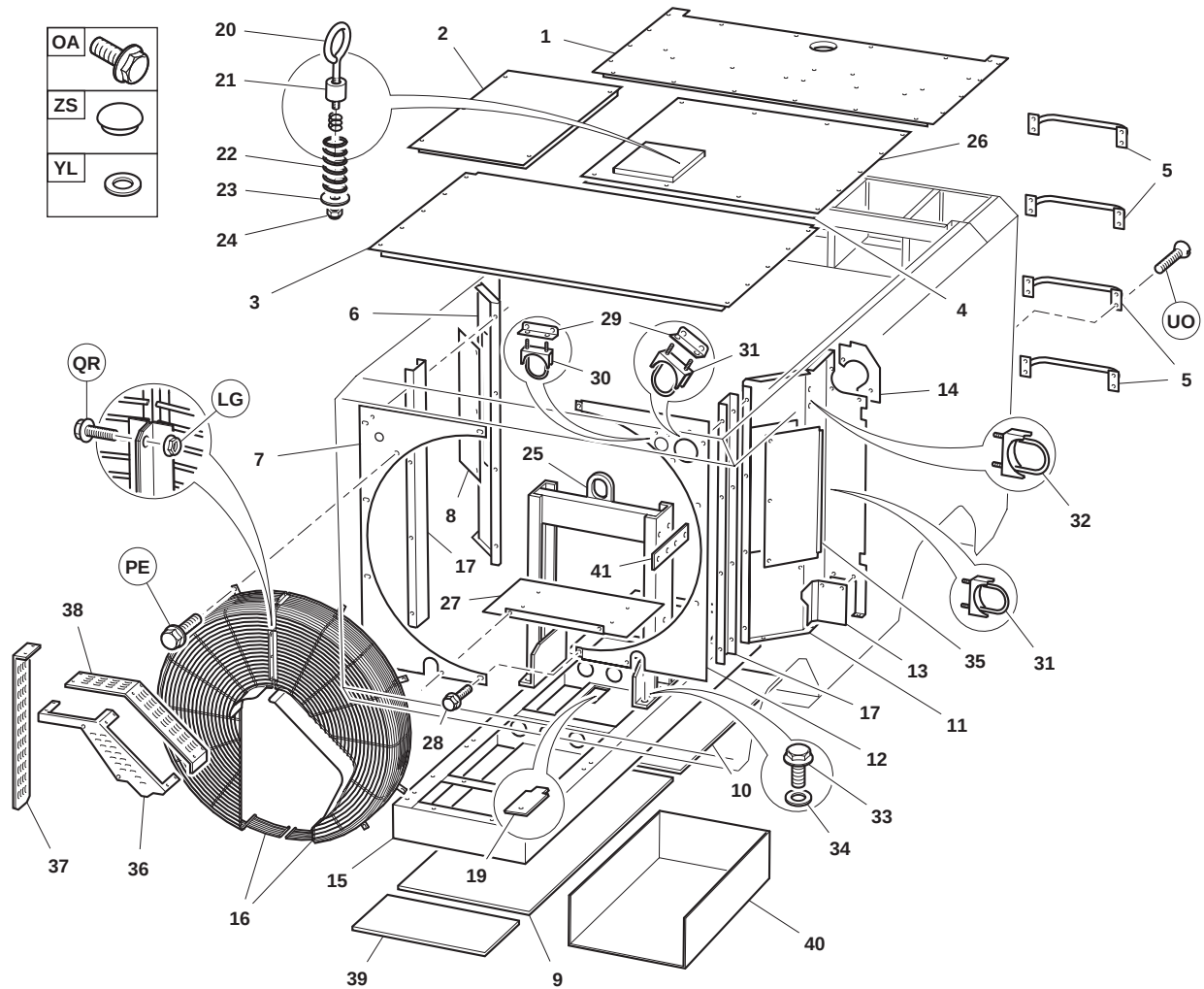
Enclosure



22560833_049_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	22079685	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	22079677	Panel, Left Hand, Orifice	1	
13	22123418	Cover	1	
				Continued.....

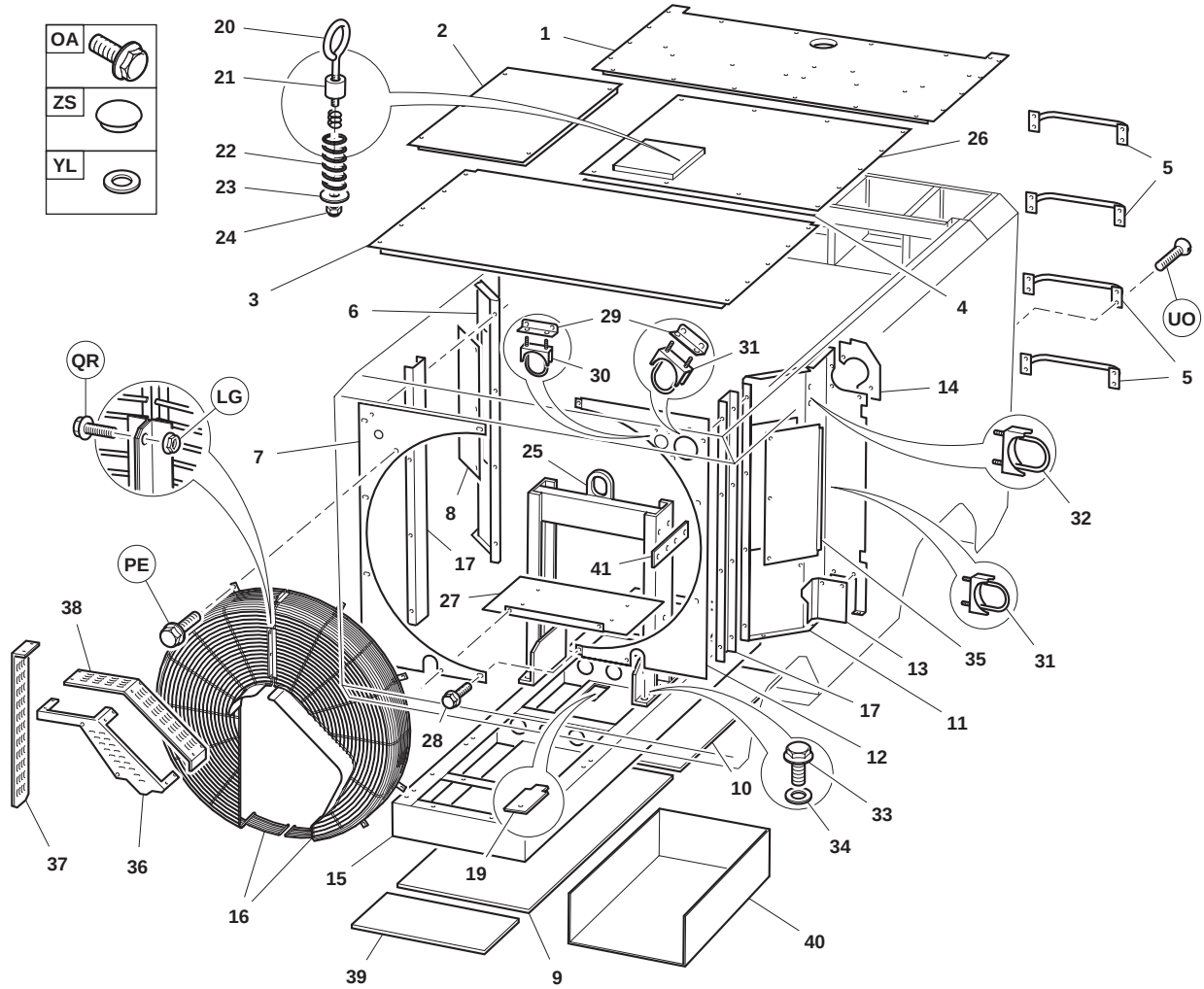
Enclosure



22560833_049_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
14	54657408	Cover, (W) Machine	1	 <i>Continued</i>
	22329817	Cover, (HA) Machine	1	
15	54566781	Frame	1	
16	22193031	Guard	1	
17	22079651	Panel, Baffle Fan, Orifice	2	
18	--			
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	
*25b	92391382	Washer	6	
26	22123236	Panel	1	<i>Continued.....</i>
*26a	22196786	Panel, Roof Muffler HA	1	

Enclosure

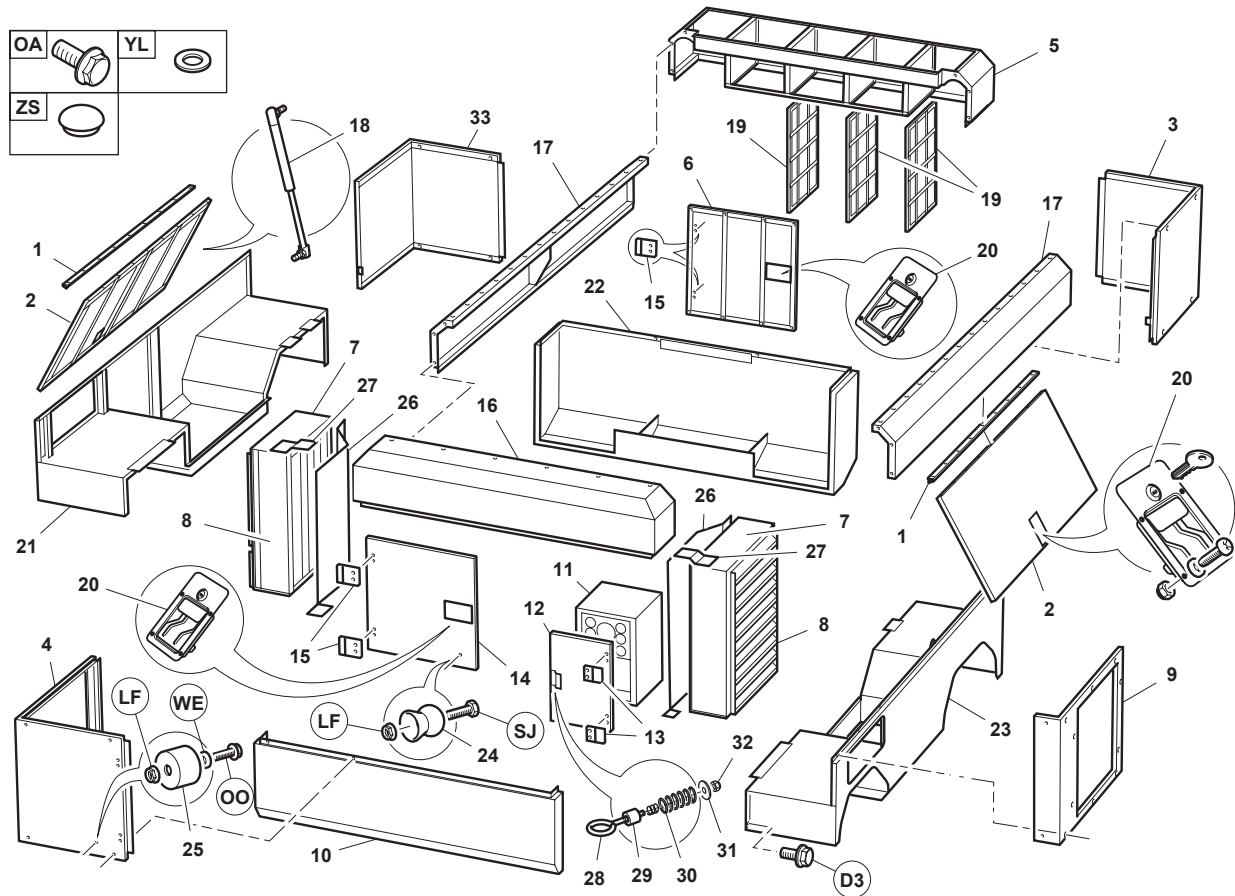


22560833_049_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
27	22079750	Panel, SRG	1	Continued
	22281174	Panel, HSRG	1	
28	36889608	Screw	2	
29	22097448	Bracket	2	
30	35209048	Clamp	1	
31	35113646	Clamp	2	
32	35127653	Clamp	1	
33	35272558	Screw	6	
34	92391382	Washer	6	
35	22181077	Panel, Cover, Left Hand	1	
36	22200745	Support, Belt Guard	1	
37	22200273	Guard, Belt Side	1	
38	22200737	Guard, Belt Top	1	
39	54571443	Undertray, Front, HSRG	1	
40	22132906	Airbox, SRG	1	
	22205942	Airbox, HSRG	1	
41	22318596	Bracket, Primary Fuel Filter Mounting	1	

22560833

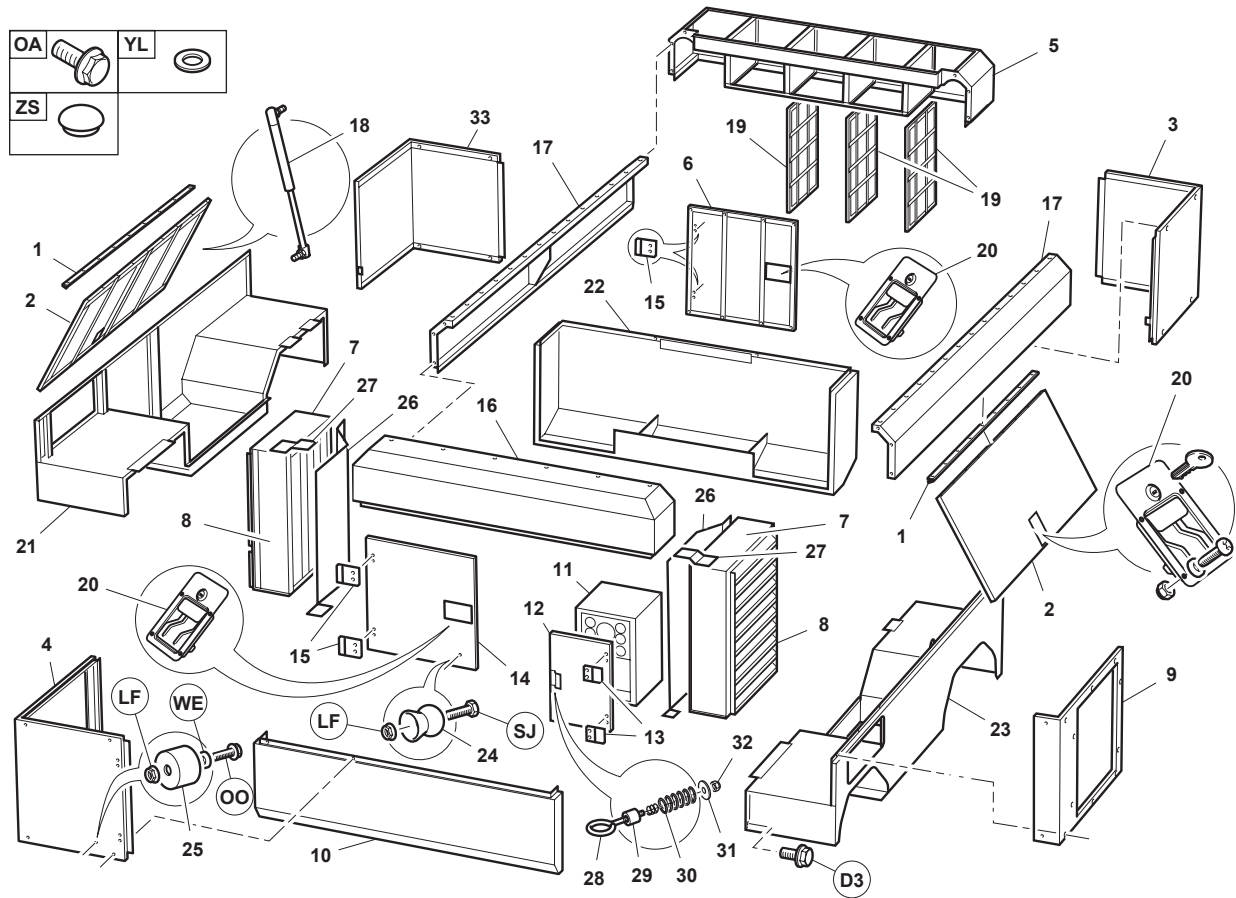
Enclosure



22560833_052_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	
18	54443213	Spring, Gas	4	
19	22123335	Baffle	3	Continued.....

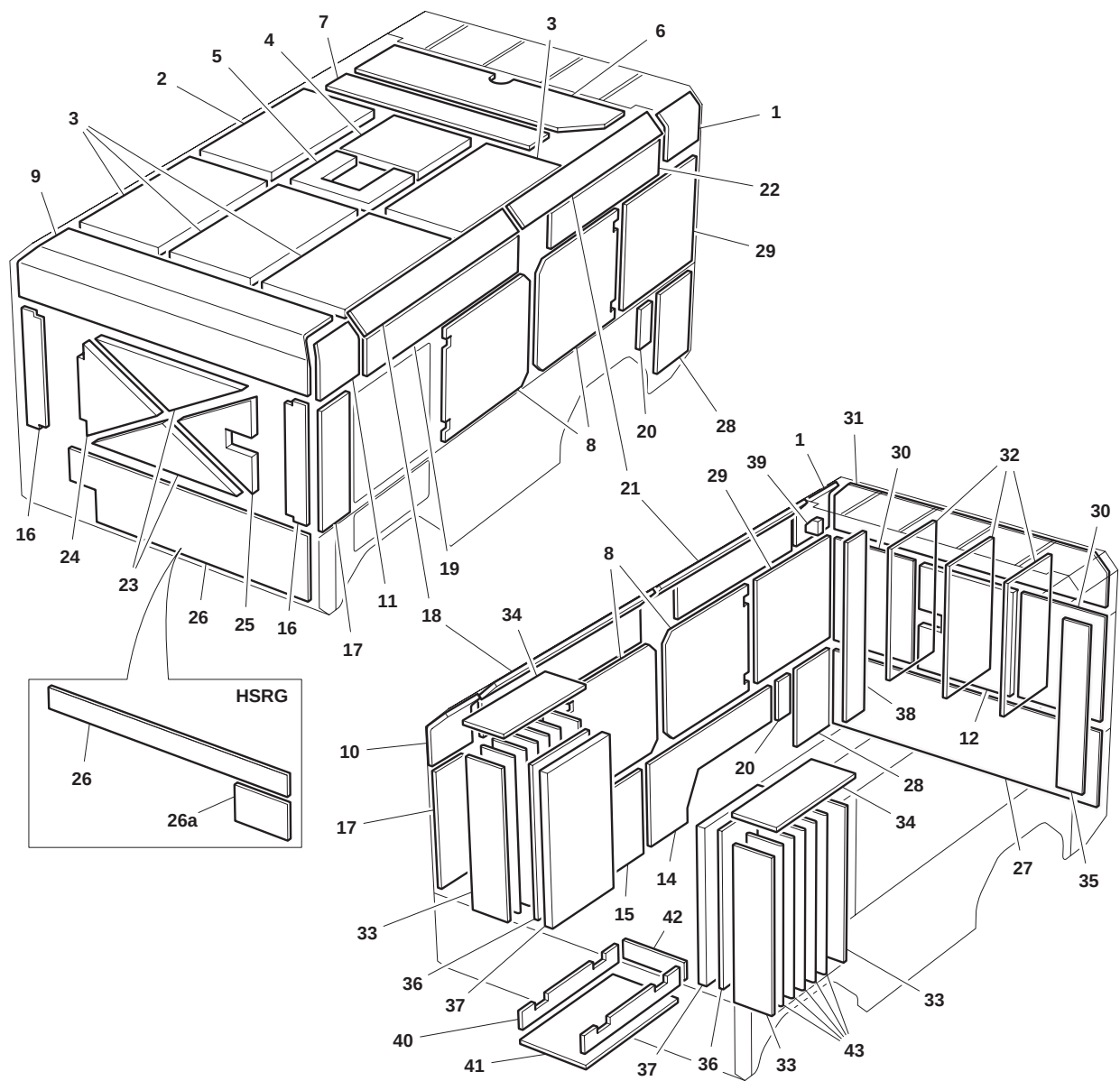
Enclosure



22560833_052_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
20	89288757	Lock	4	Continued
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	

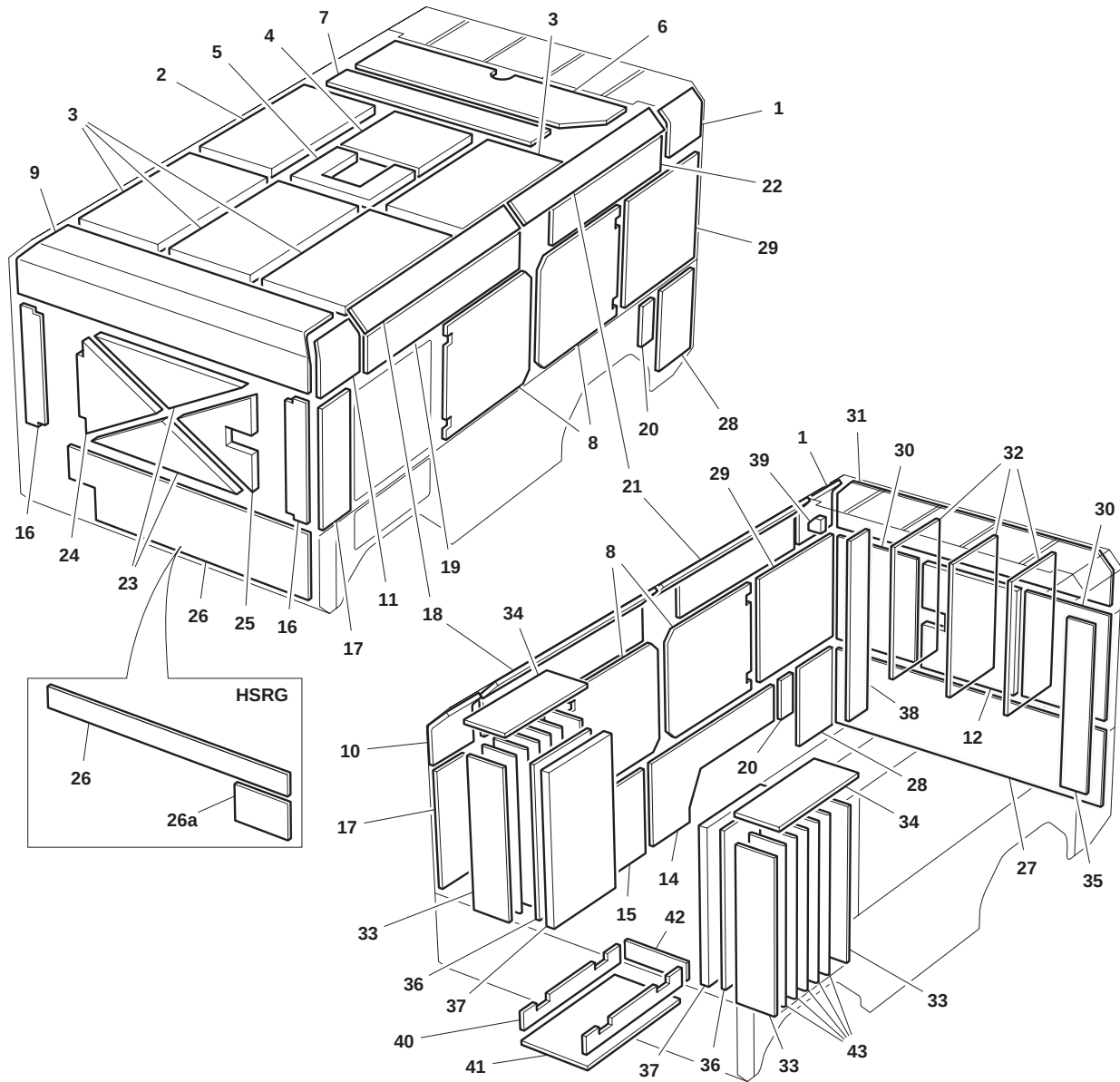
Foam



22560833_054_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22056212	Foam	2	
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	Continued.....

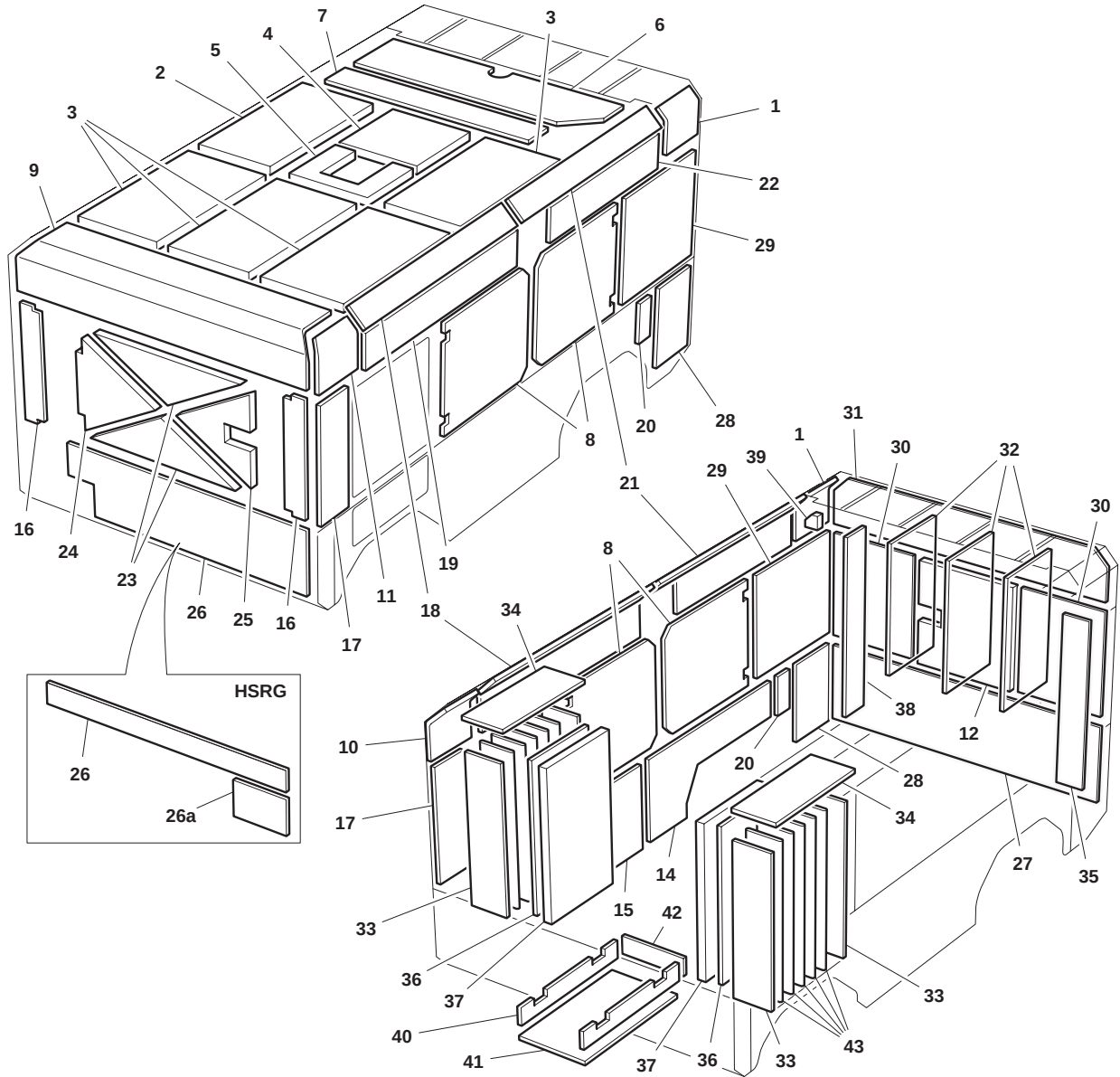
Foam



22560833_054_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
13	-			Continued
14	22146989	Foam, SRG	1	
	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.....

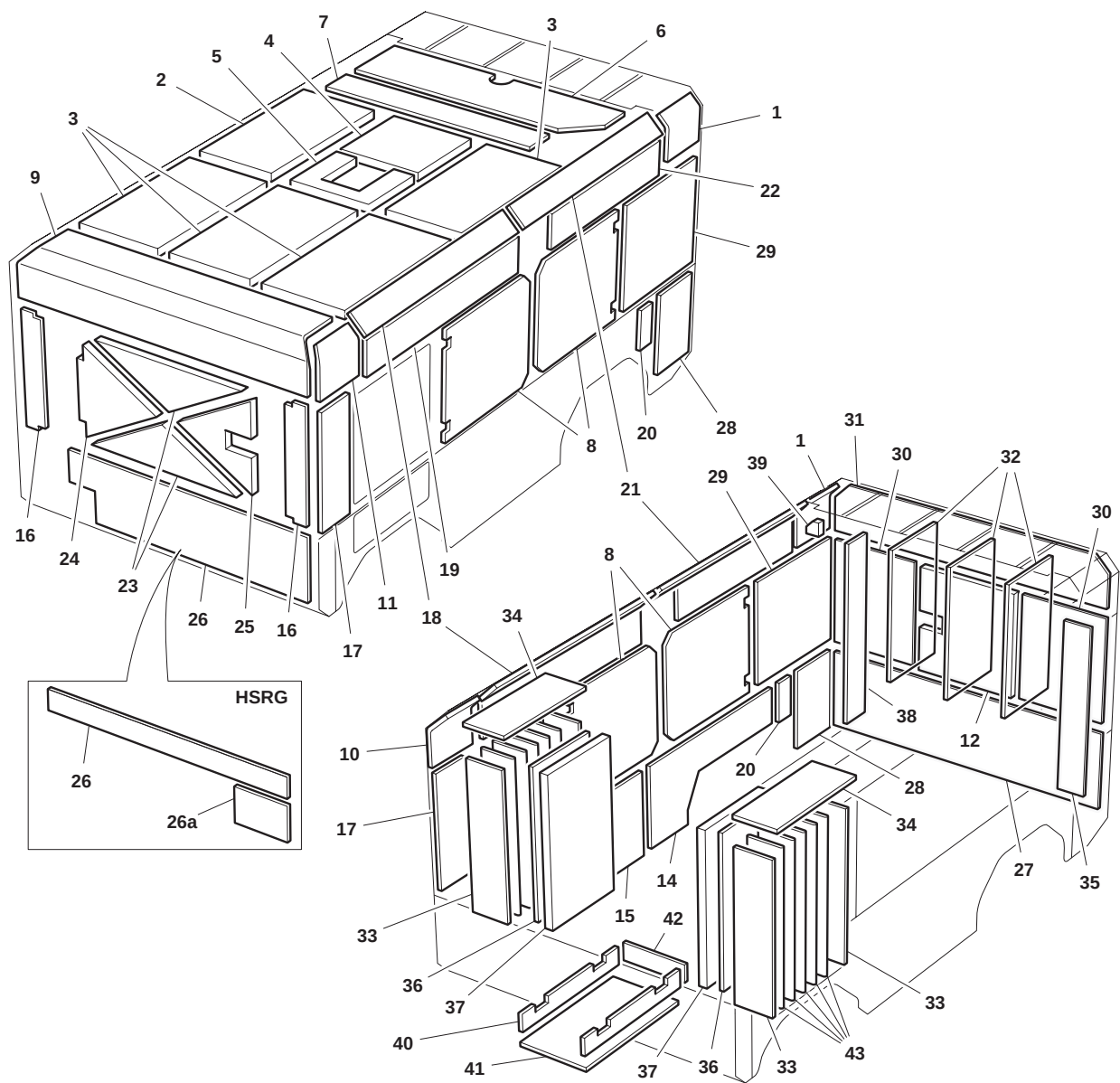
Foam



22560833_054_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	

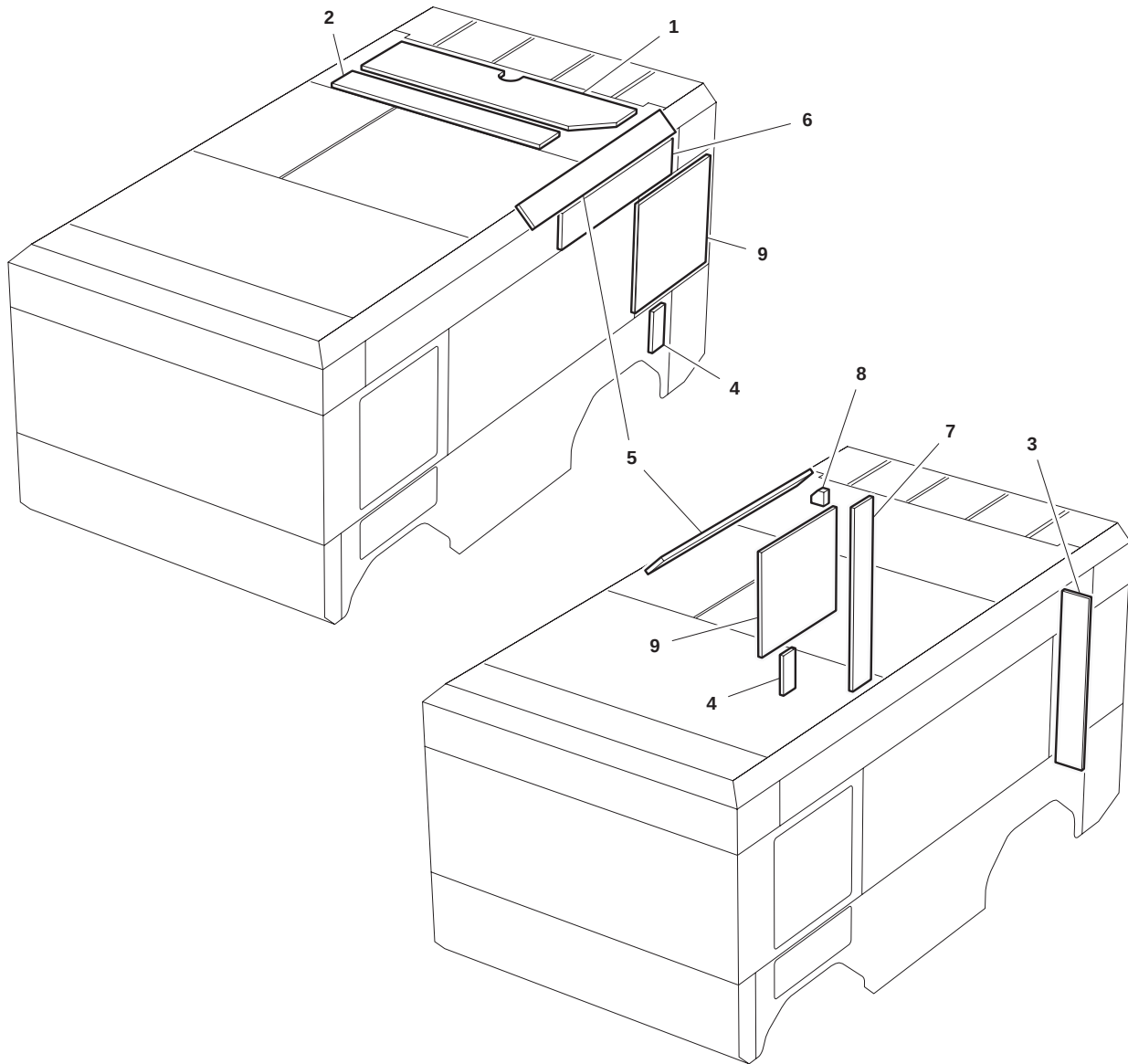
Foam



22560833_054_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



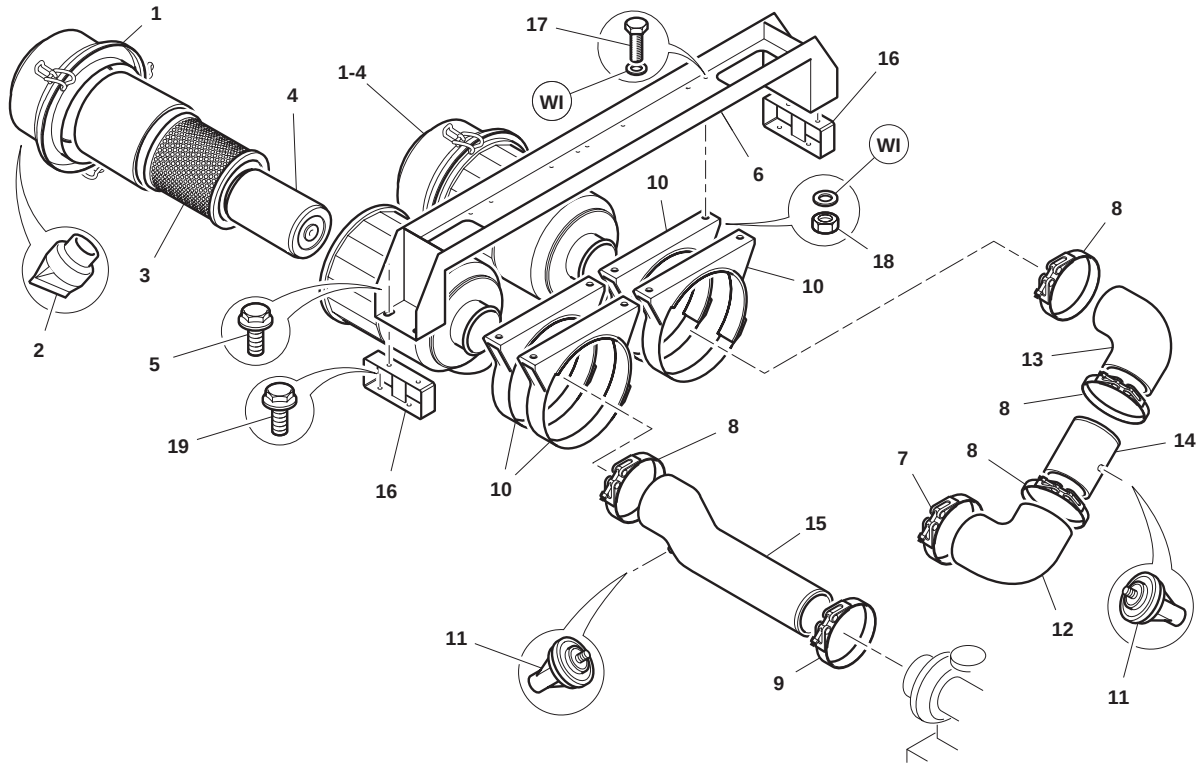
22560833_058_11/04_A

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



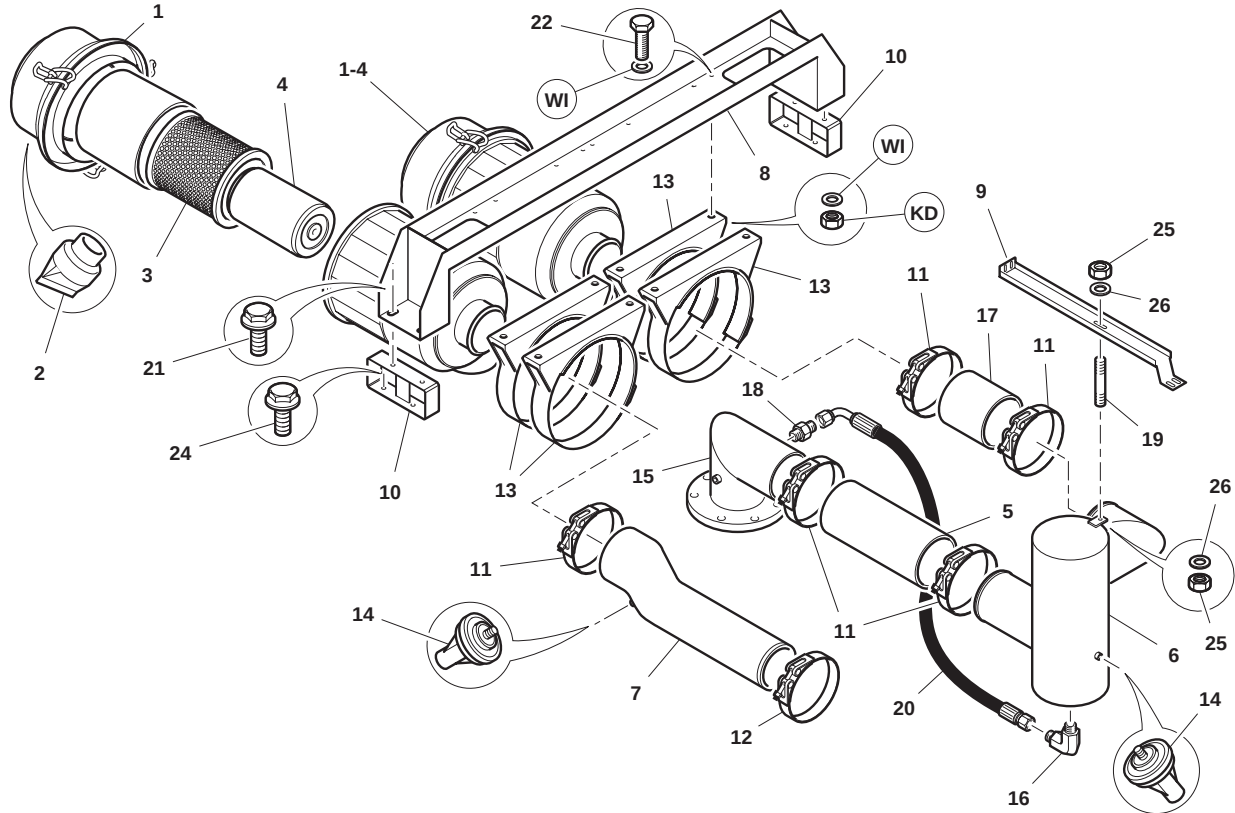
22560833_059_11/04_A

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	

22560833

Air Intake System

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

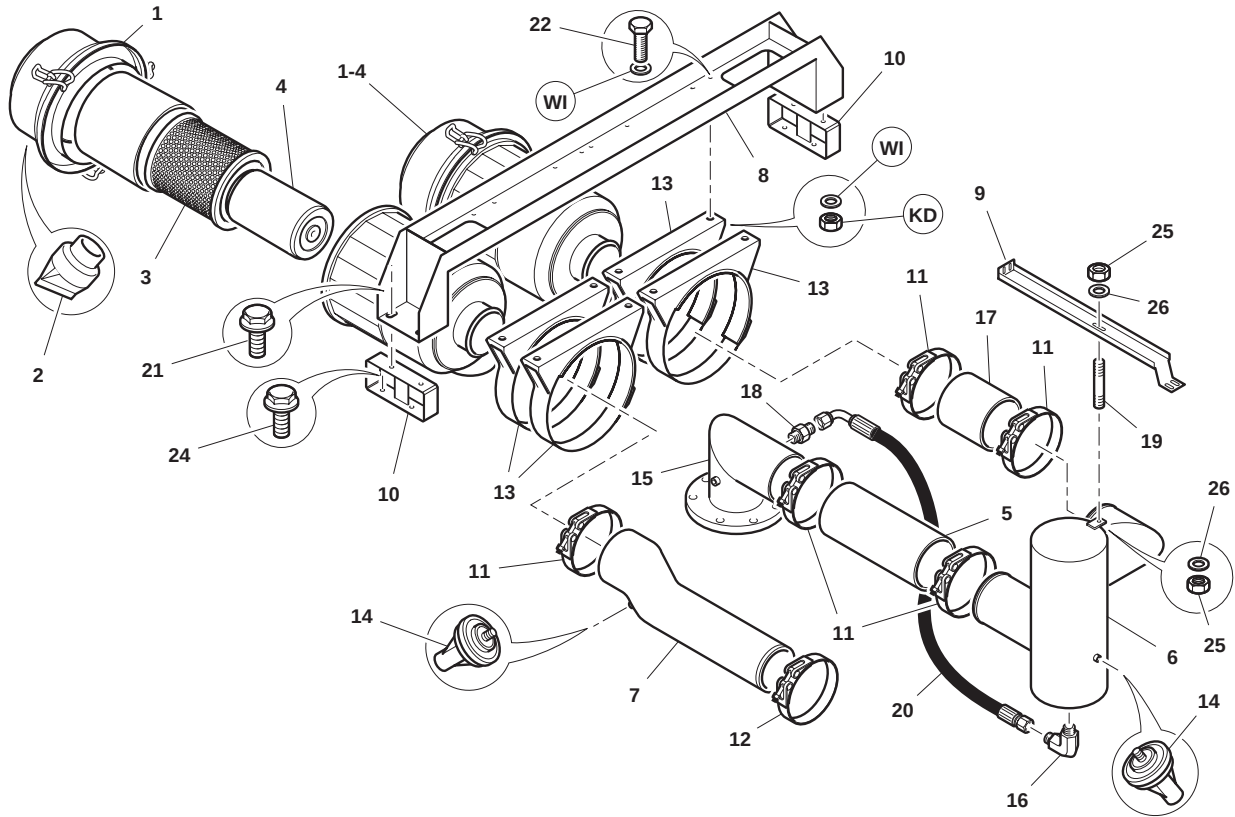


22560833_060_11/04_A

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	
13	89285837	Clamp	4	

Air Intake System

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

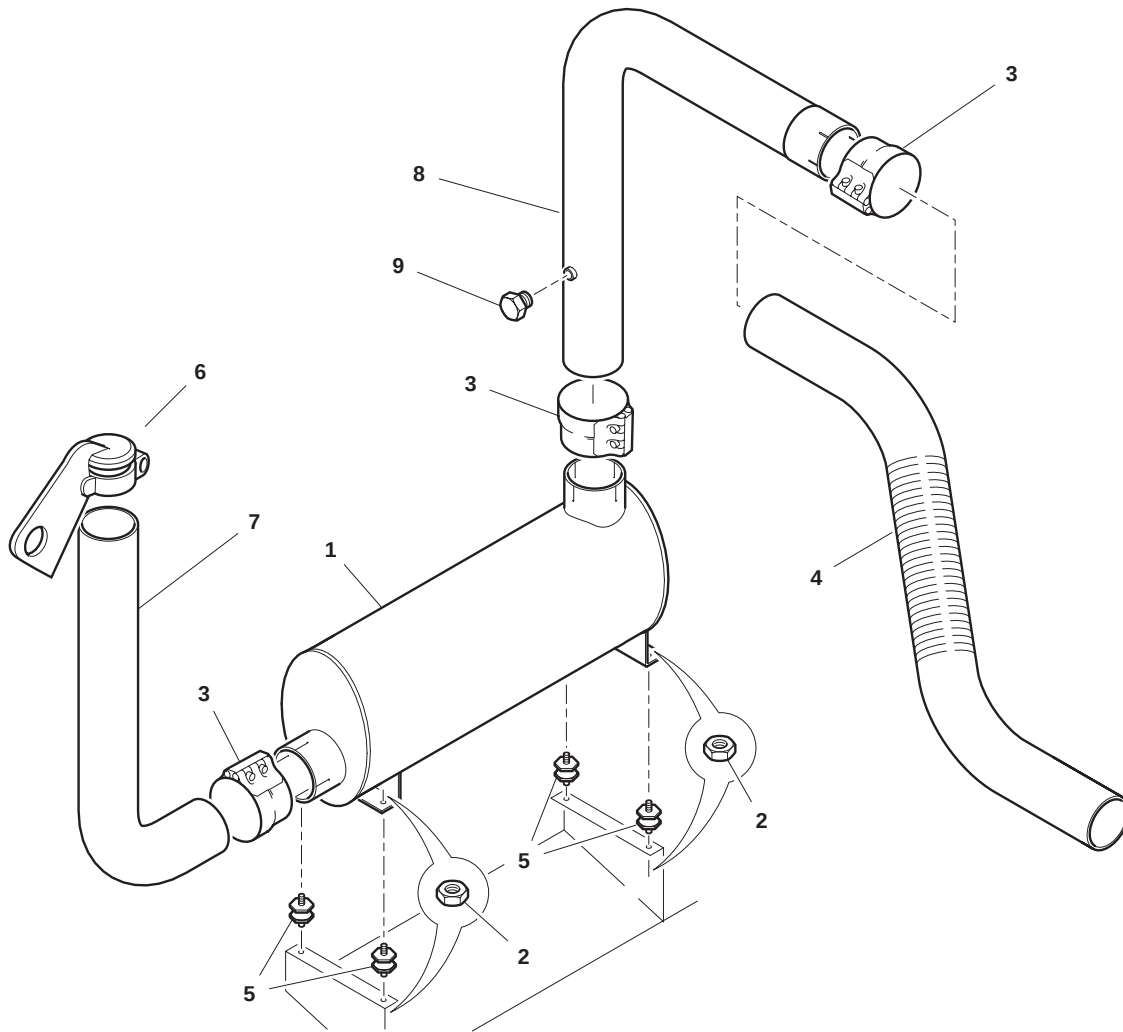


22560833_060_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
14	36847838	Indicator, Air Restriction	2	Continued
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	

22560833

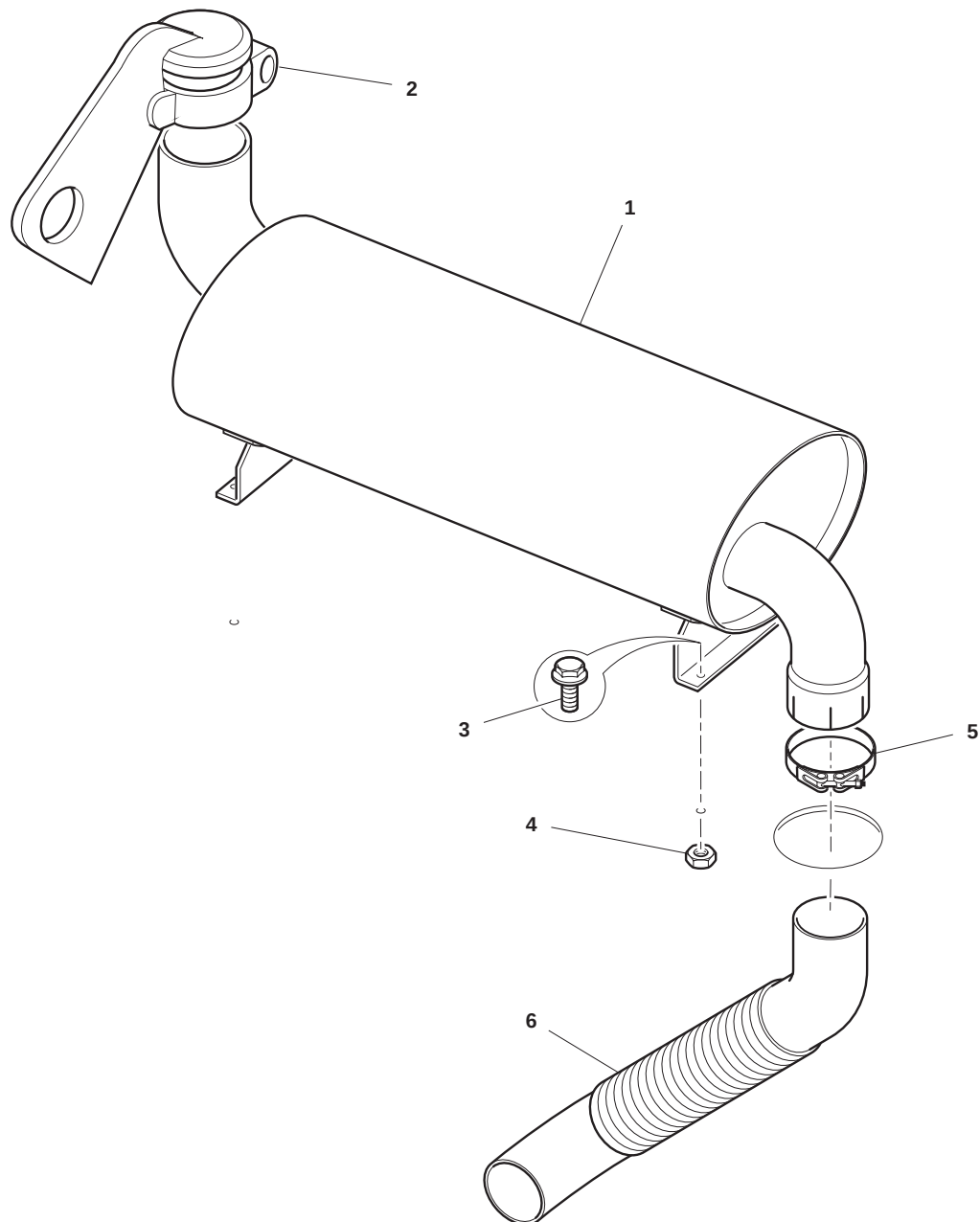
Engine Exhaust System



22560833_062_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22134175	Silencer	1	
2	36881886	Nut	8	
3	35307131	Clamp	3	
4	22186126	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

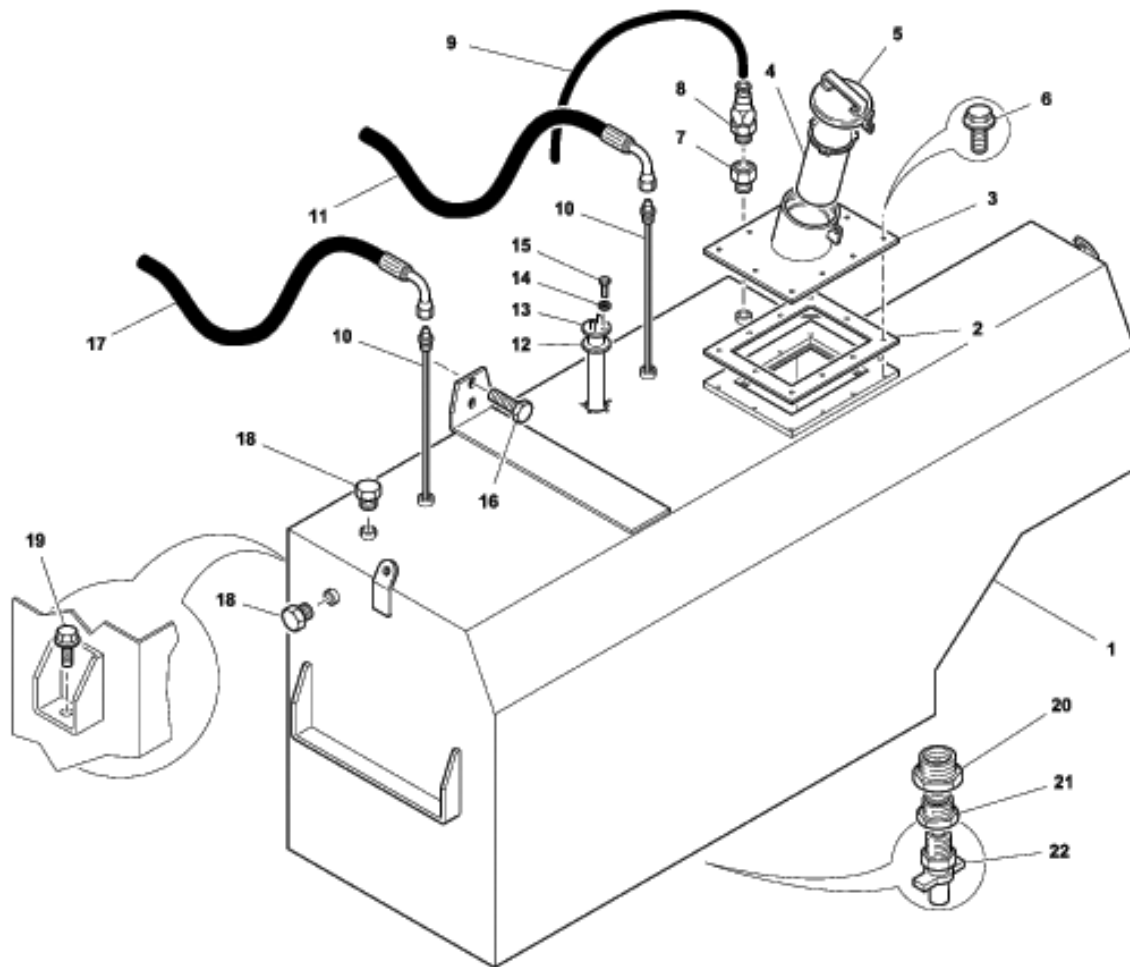


22560833_063_11/04_A

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	22284261	Tube	1	

22560833

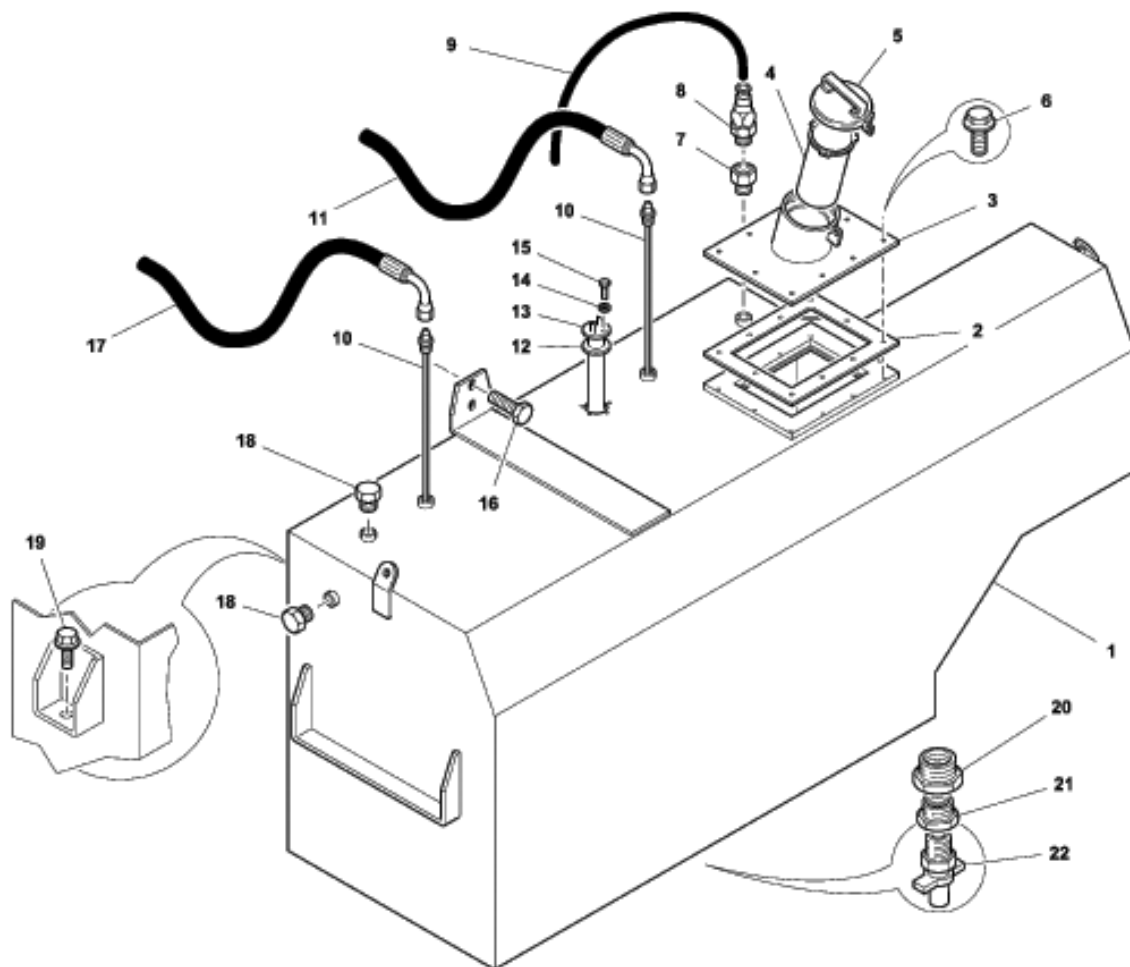
Fuel System



22560833_064_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

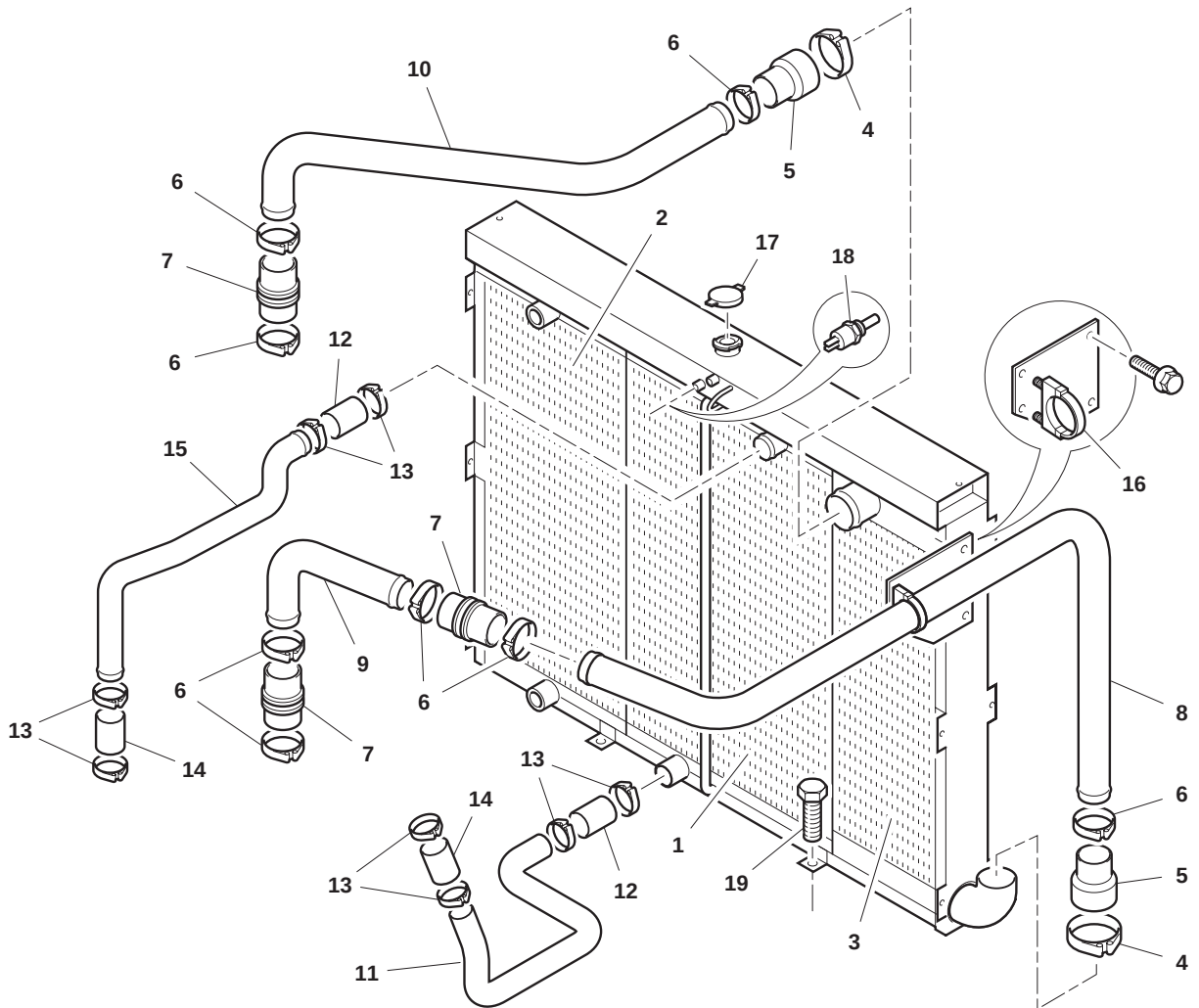


22560833_064_11/04_A

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	

22560833

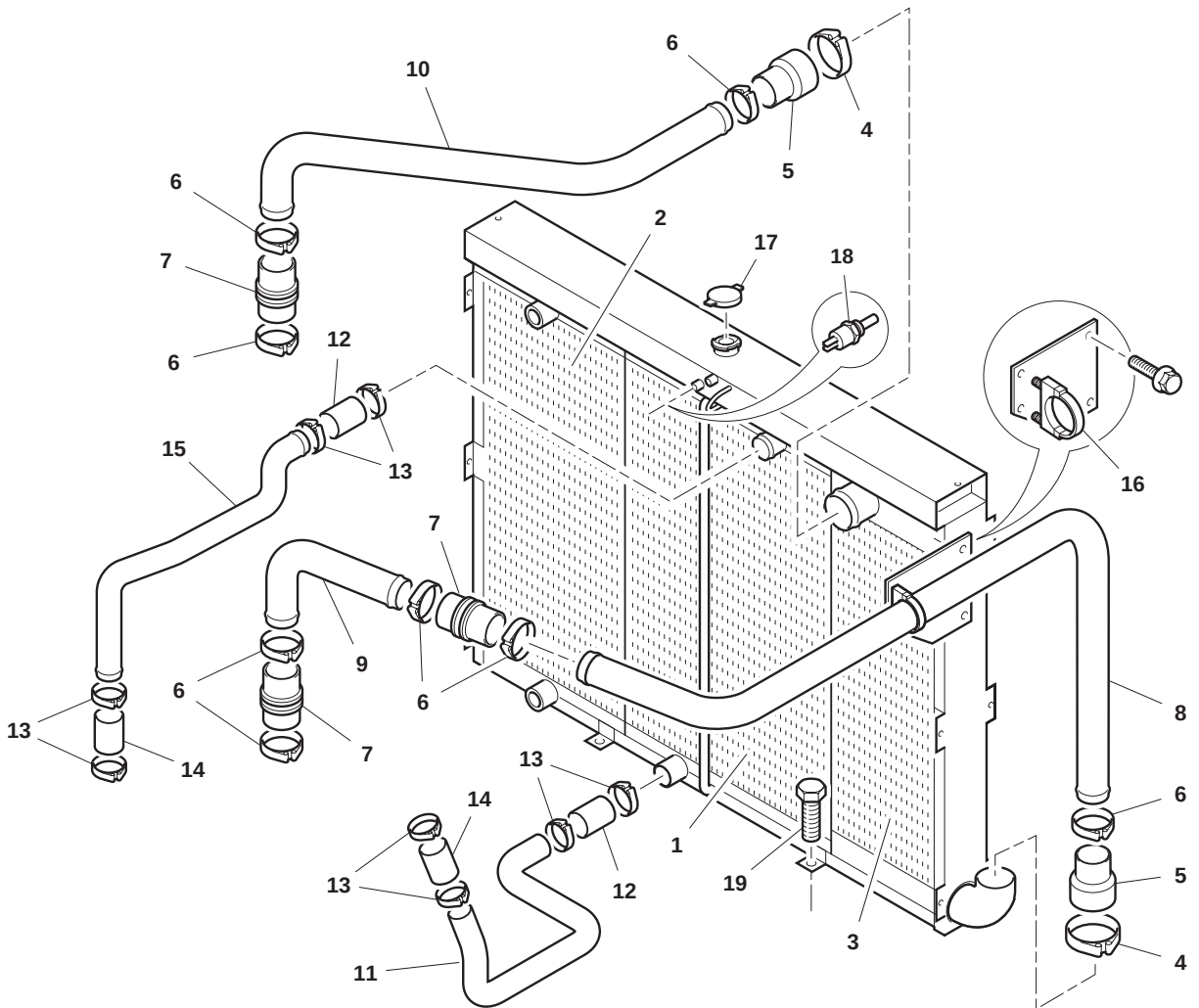
Cooling System



22560833_066_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1-3	22150031	Radiator & Cooler Assembly (VHP750 XP950 XP1060)		
1	89299861	Radiator	1	
2	22126197	Cooler, Oil	1	
3	89299879	Cooler, Charge	1	
1-3	22150023	Radiator & Cooler Assembly (SHP825 XHP750 XHP650)		
1	89299861	Radiator	1	
2	22150213	Cooler, Oil	1	
3	89299879	Cooler, Charge	1	
4	54444427	Clamp	2	
5	22058564	Sleeve	2	
6	22144513	Clamp	8	Continued.....

Cooling System



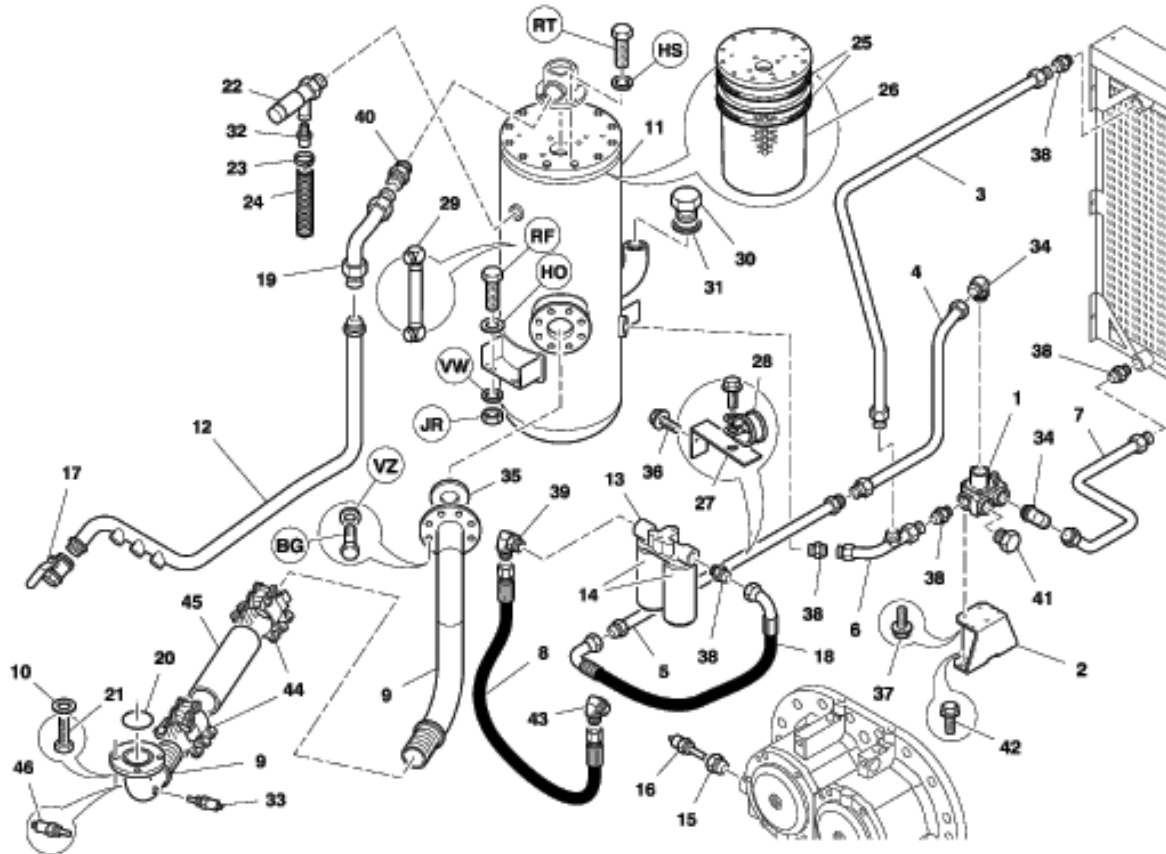
22560833_066_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
7	22058556	Sleeve	3	Continued
8	22052278	Tube	1	
9	22107981	Tube	1	
10	22097653	Tube	1	
11	22188262	Tube	1	
12	35330570	Connector	2	
13	35222017	Clamp	8	
14	22126460	Connector	2	
15	22079636	Tube	1	
16	35113646	Clamp	1	
17	89232086	Cap	1	
18	22102339	Sensor, Coolant Level	1	
19	36877793	Screw	4	

22560833

Oil/Air Piping

XP1060 HP935 VHP750 MHP825

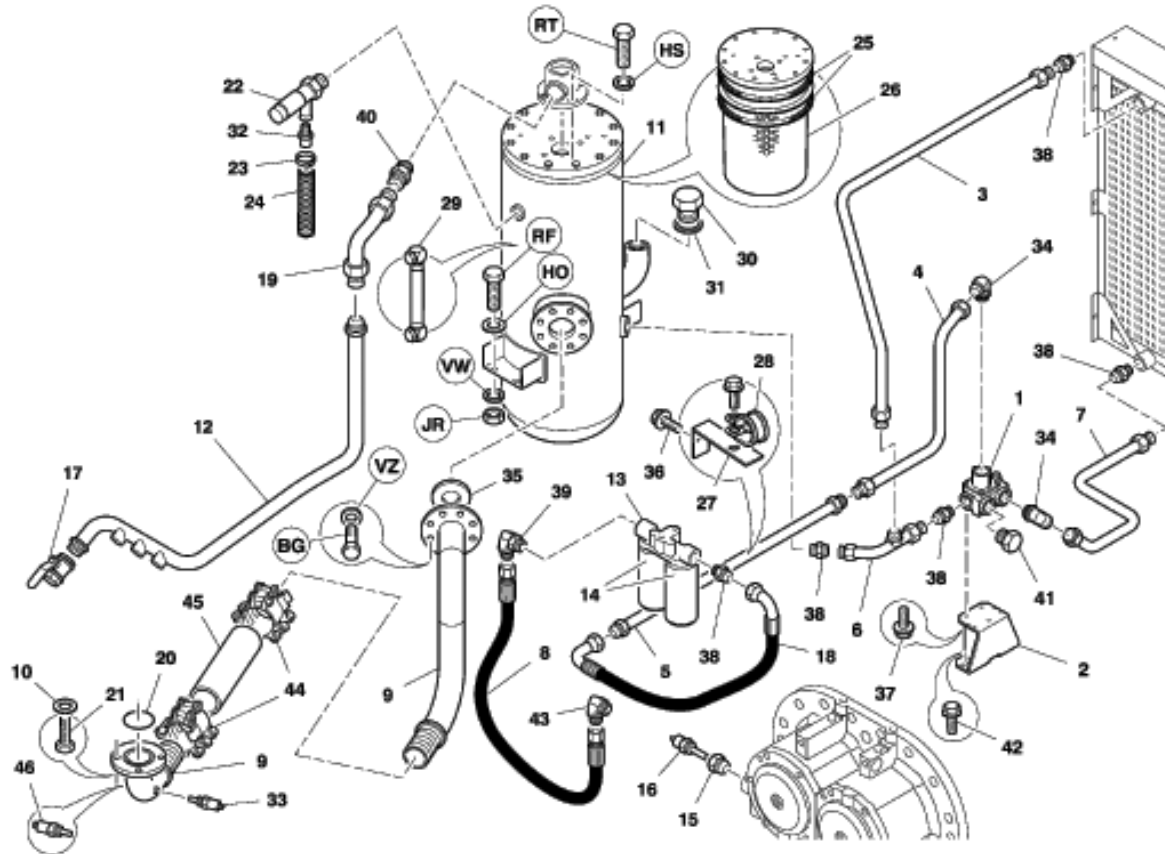


22560833_068_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36893824	Valve, Thermostatic	1	<i>Continued.....</i>
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	36890650	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



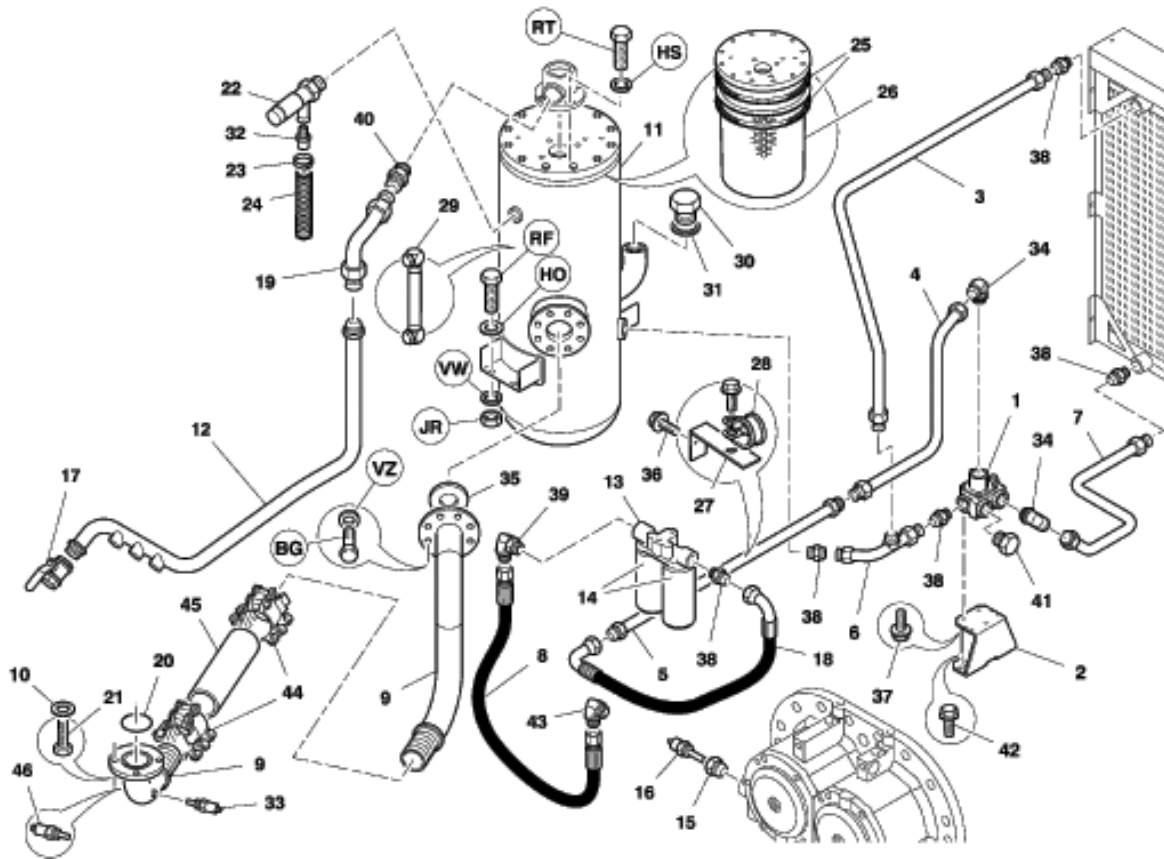
22560833_068_11/04_A

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.....

22560833

Oil/Air Piping

XP1060 HP935 VHP750 MHP825

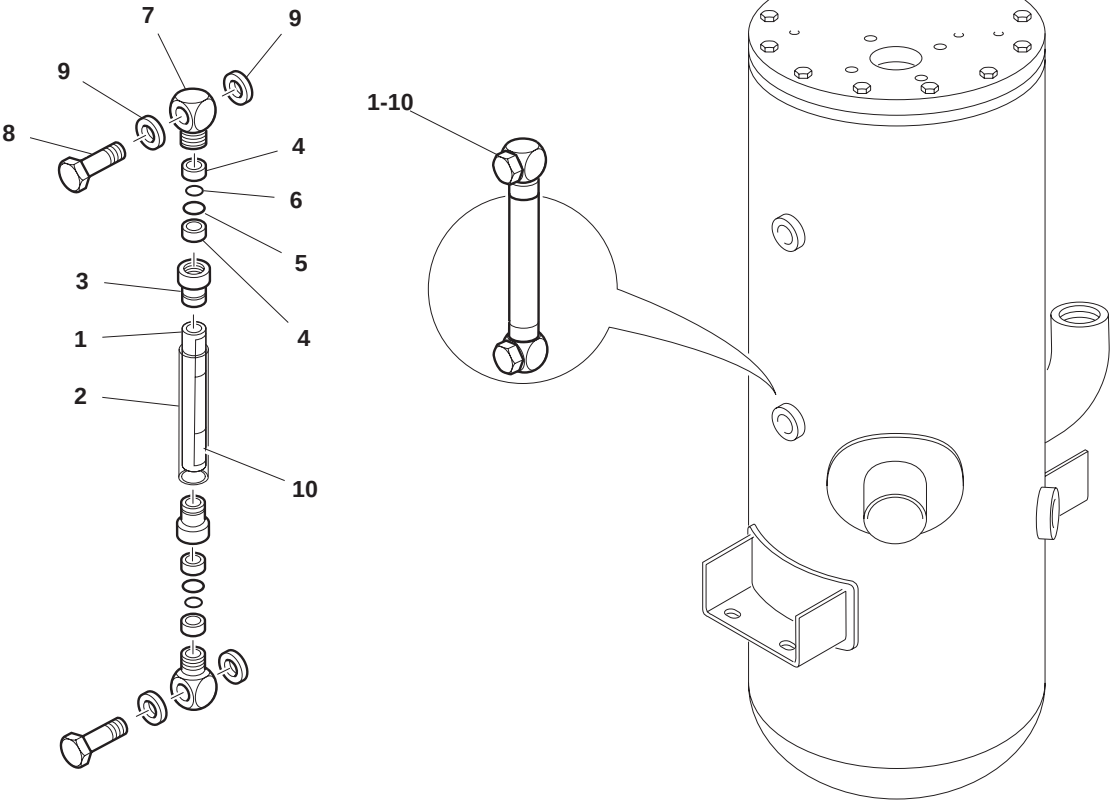


22560833_068_11/04_A

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

XP1060, HP935, VHP750, MHP825

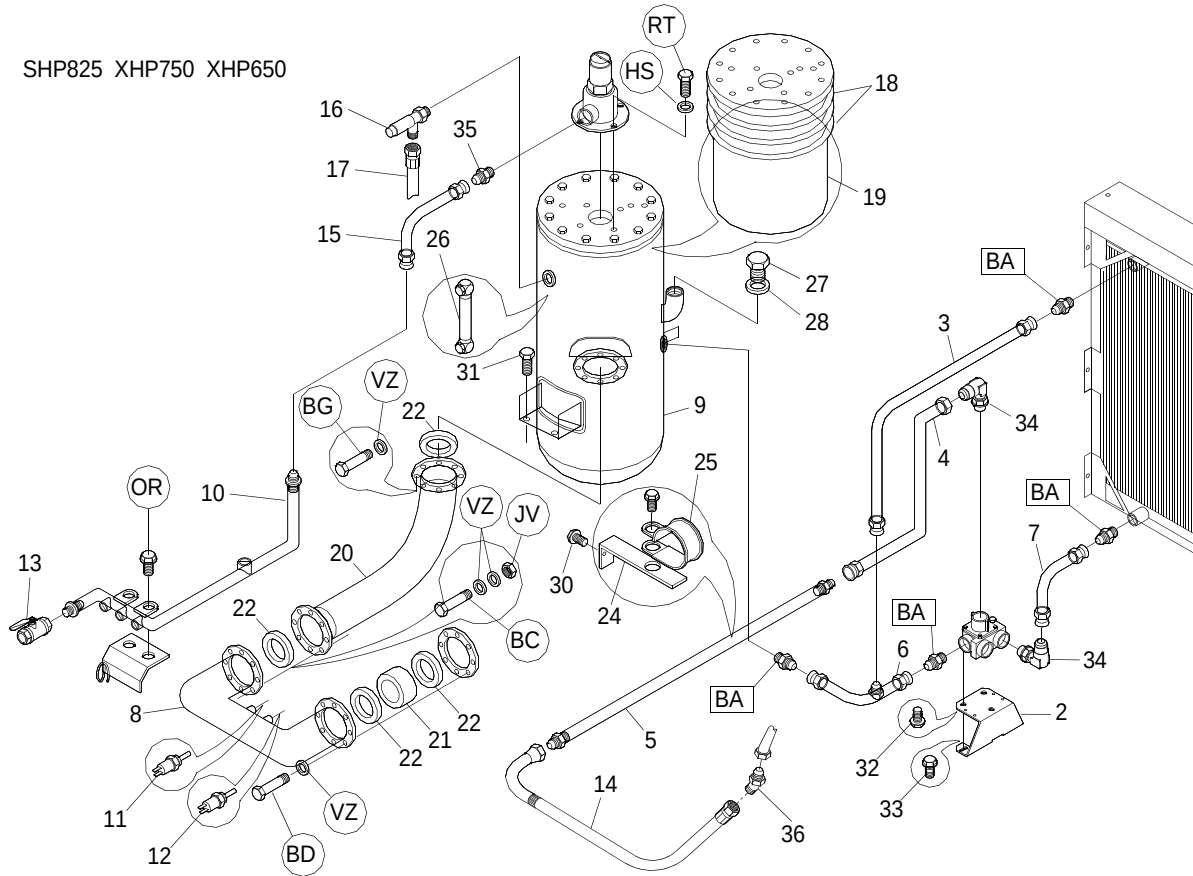


22560833_071_11/04_A

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

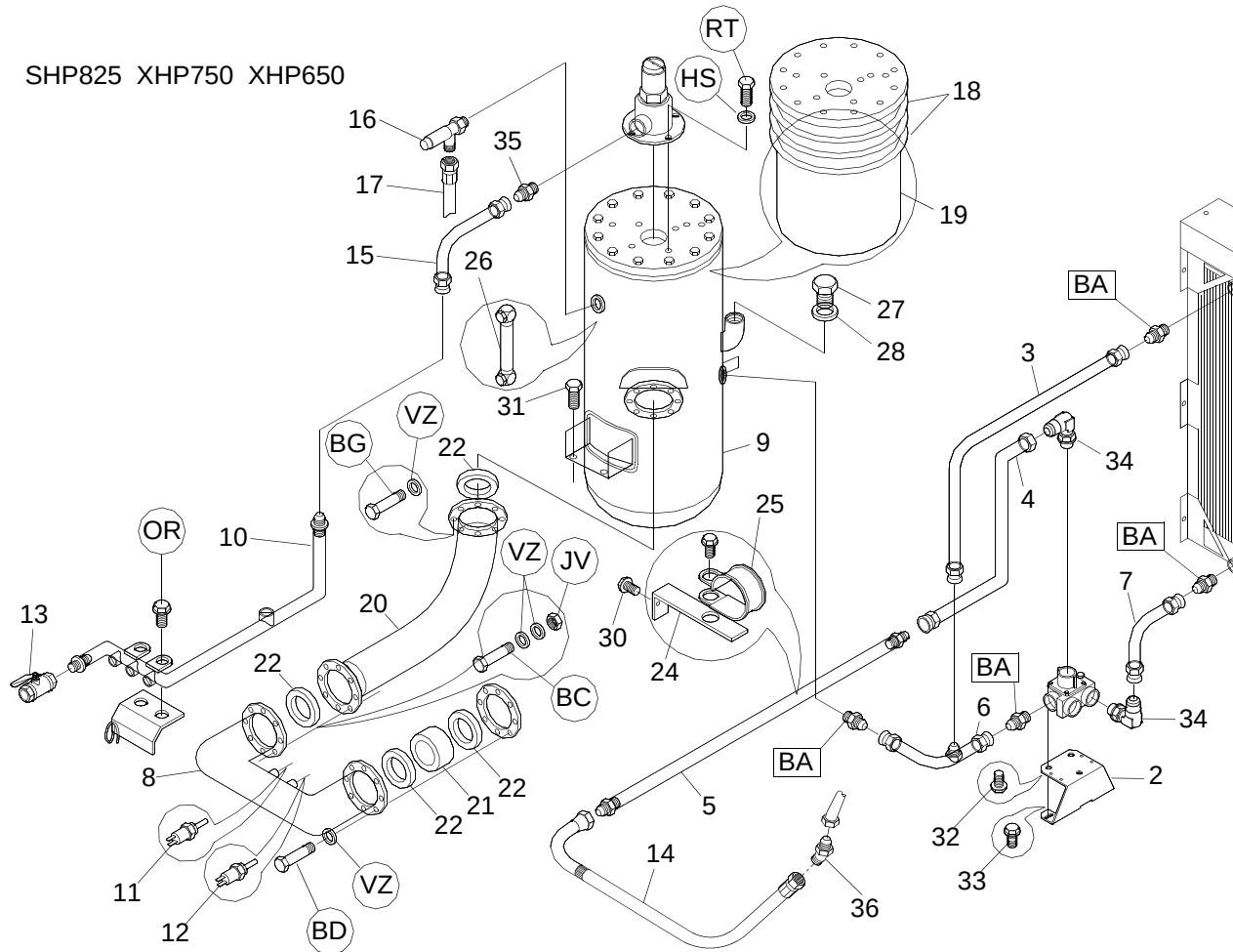


22560833_072_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36893824	Valve, Thermostatic	1	
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	Continued.....

Oil/Air Piping

SHP825 XHP750 XHP650

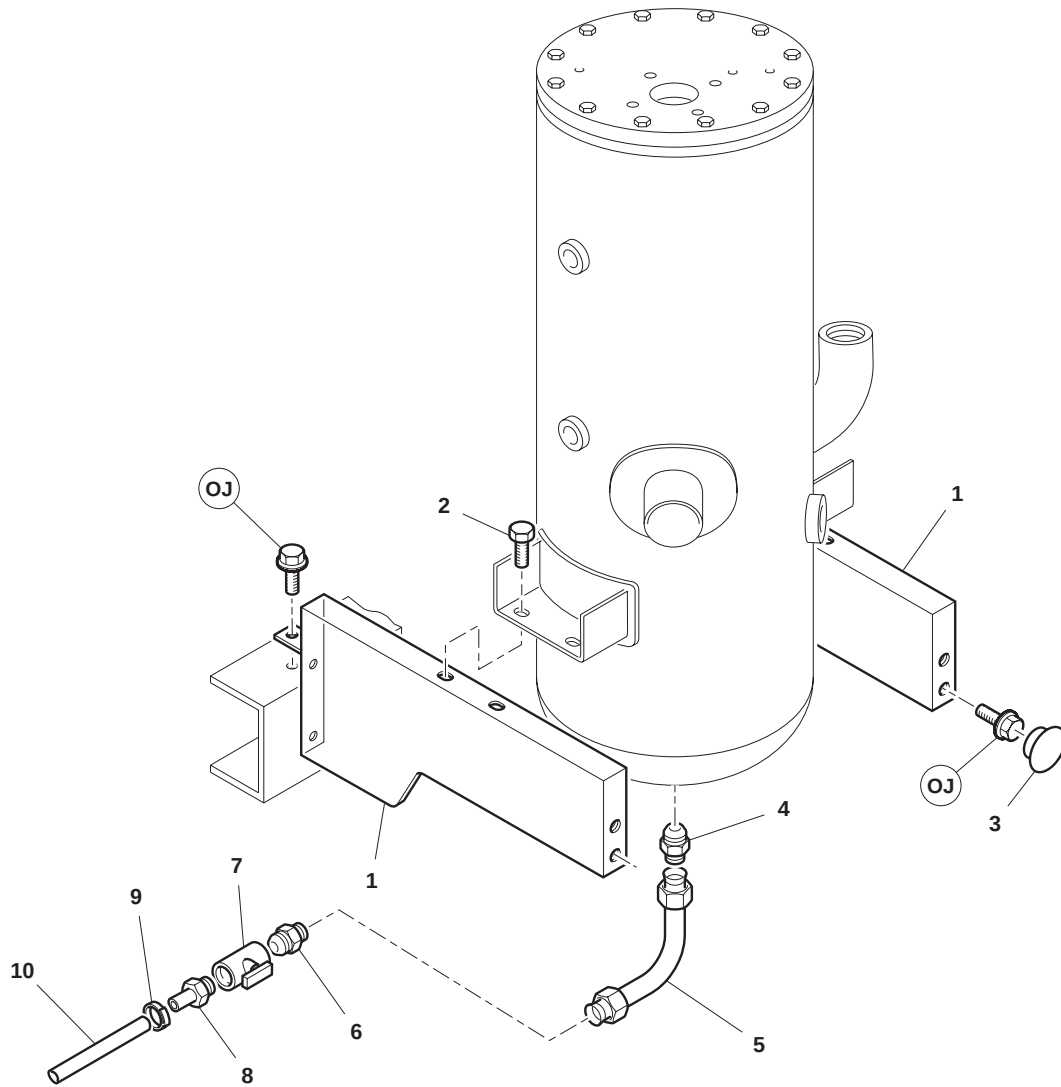


22560833_072_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
20	92893221	Pipe, Flexible	1	Continued
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	
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	

22560833

Oil/Air Piping

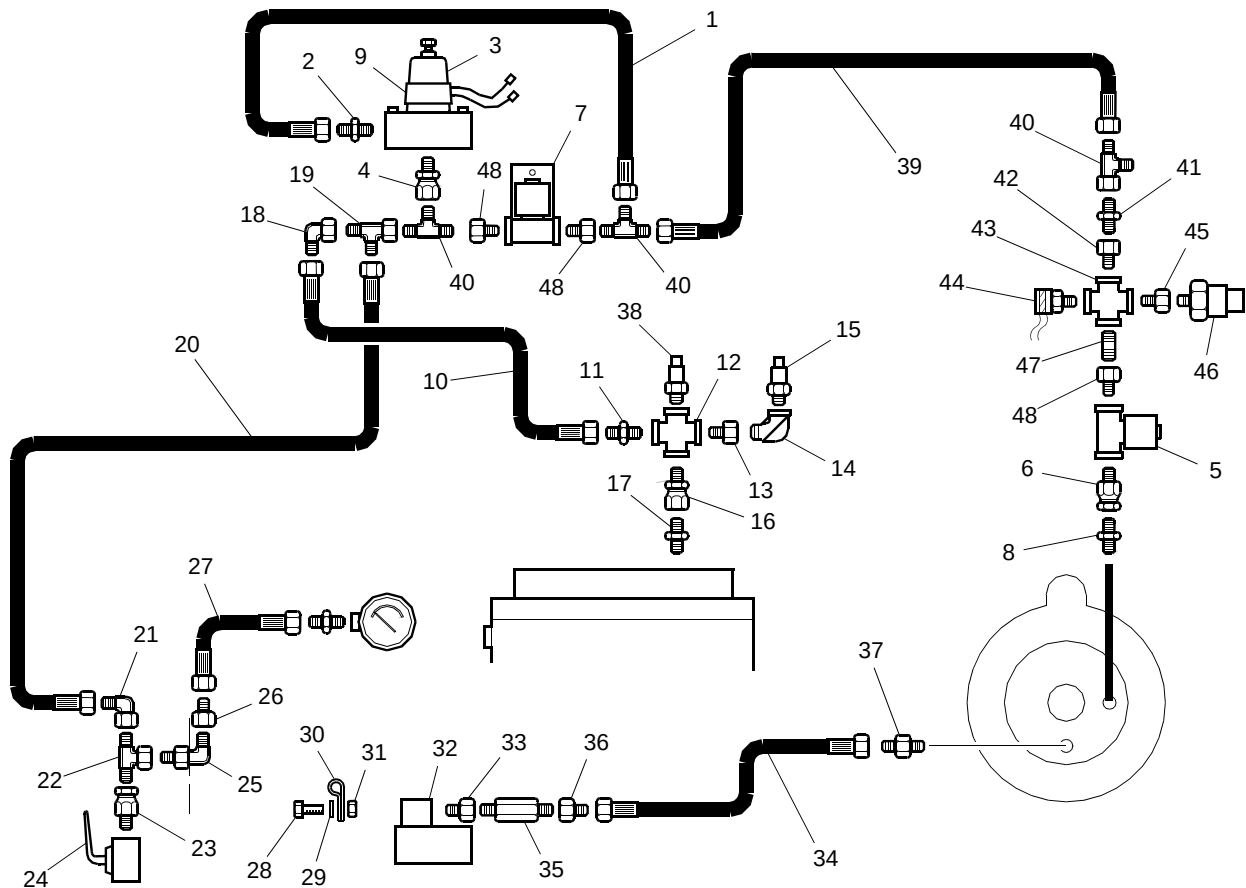


22560833_074_11/04_A

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

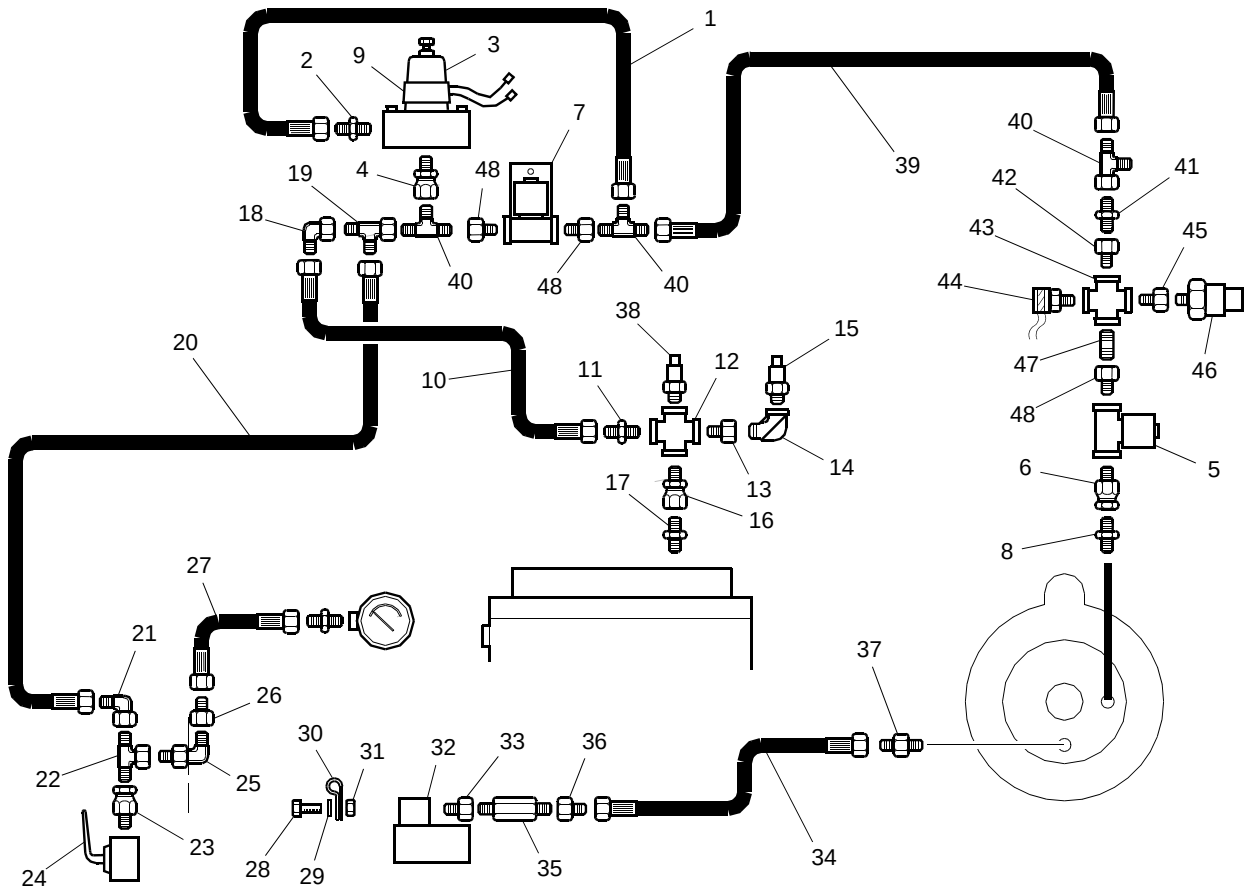


22560833_075_11/04_A

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	<i>Continued.....</i>

Regulation System

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

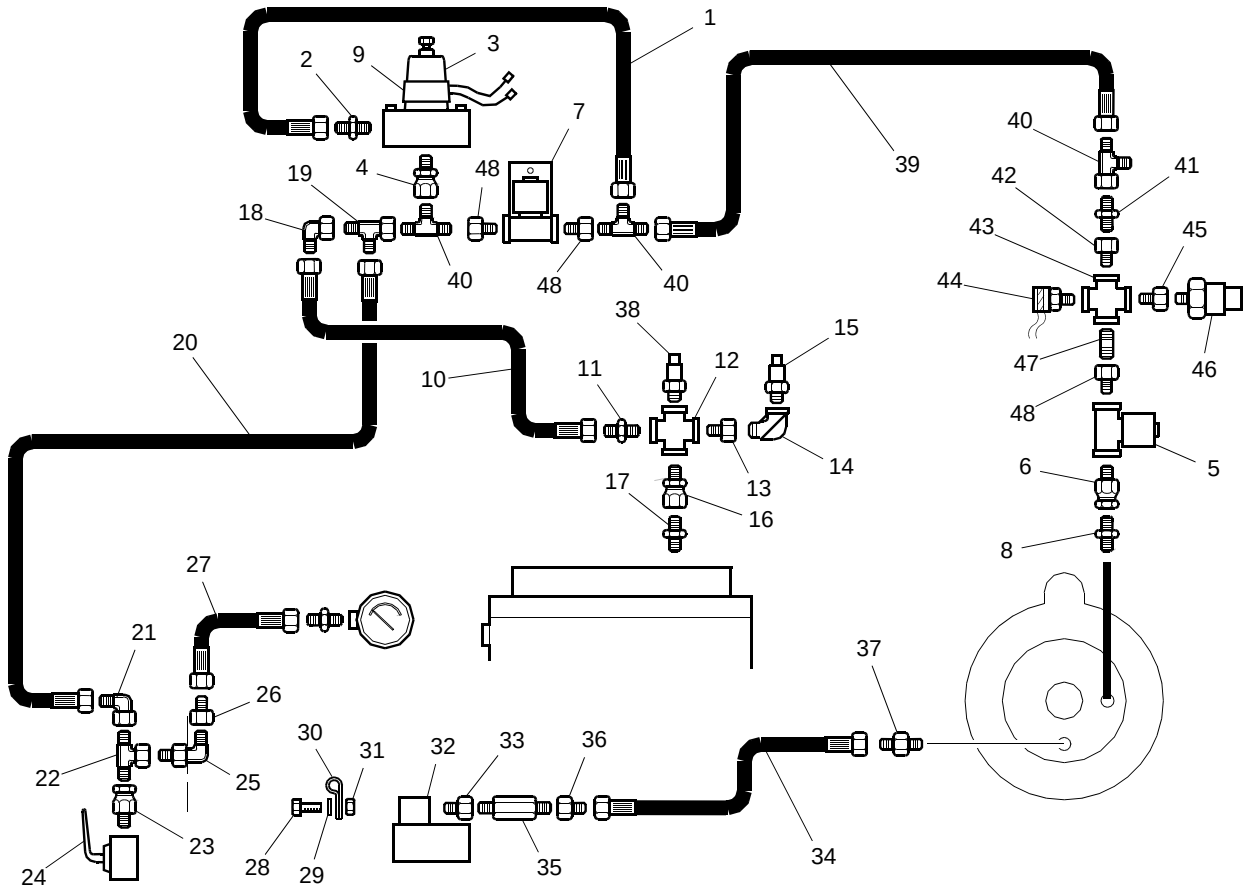


22560833_075_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
			1	 <i>Continued</i> (0-225psi)
15	54496773	Transducer, Pressure	1	
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	<i>Continued.....</i>

Regulation System

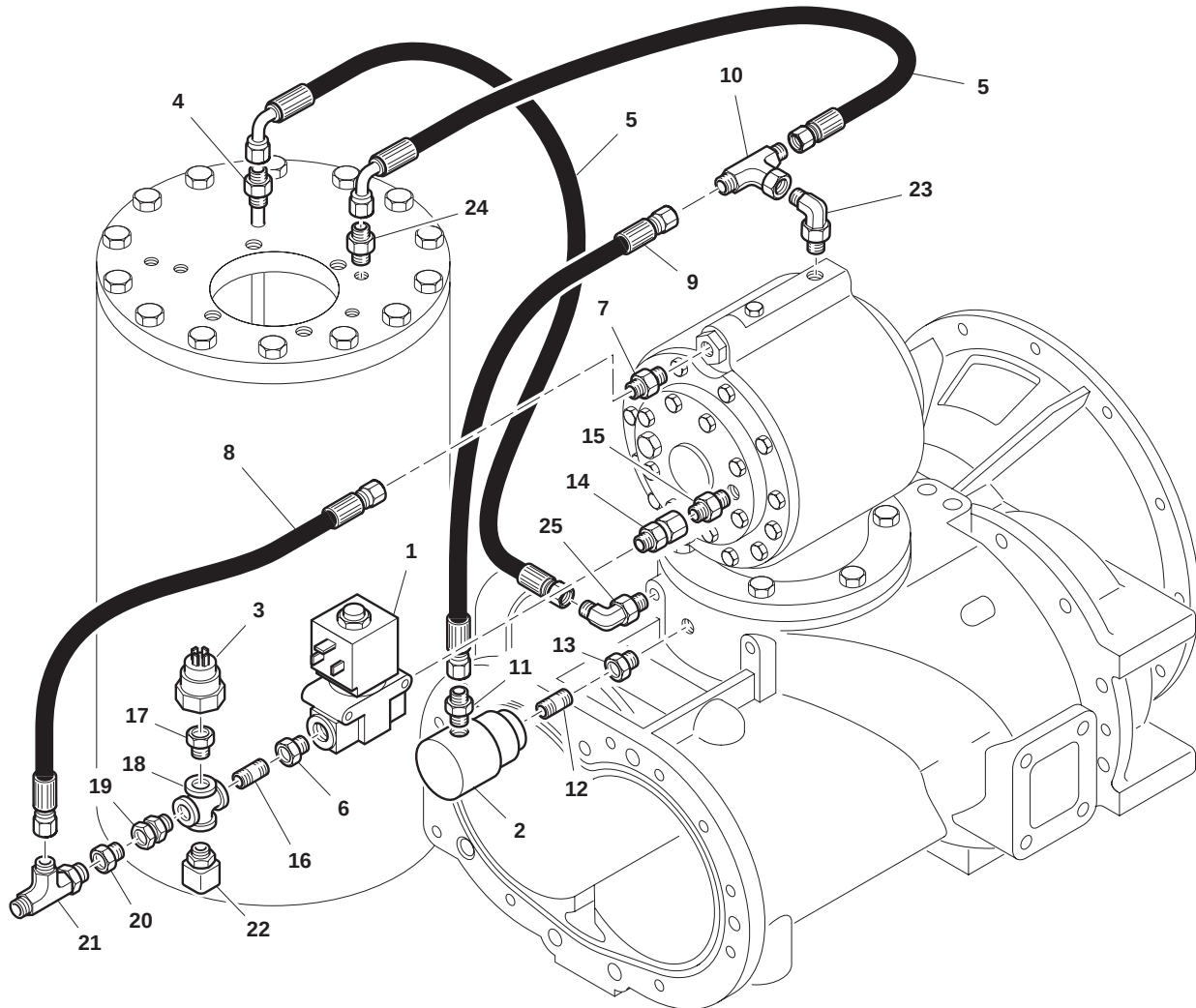
9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935, XP950, XP1060



22560833_075_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	
49	36841526	Heater	1	

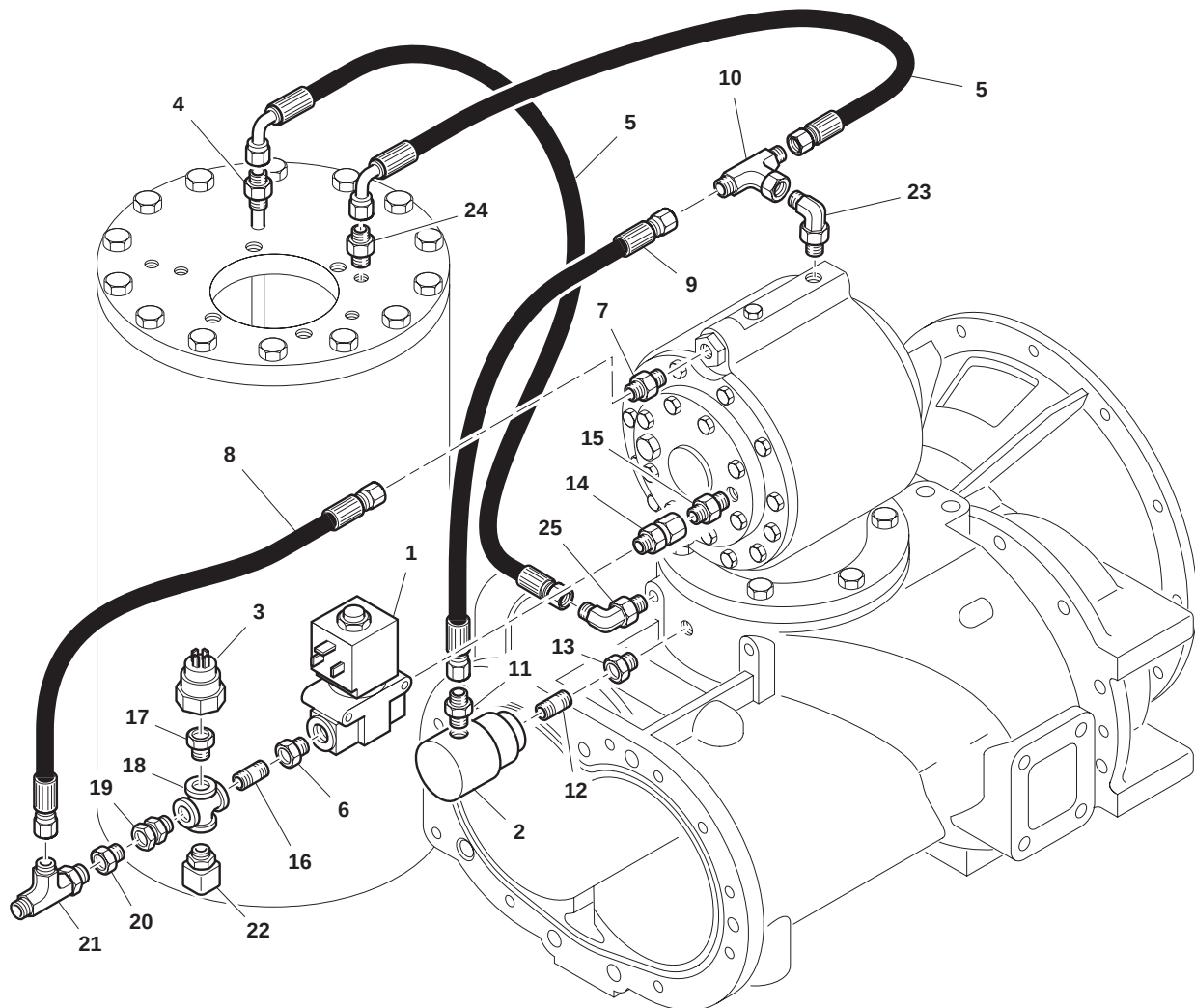
Regulation System



22560833_078_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	Continued.....
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	

Regulation System



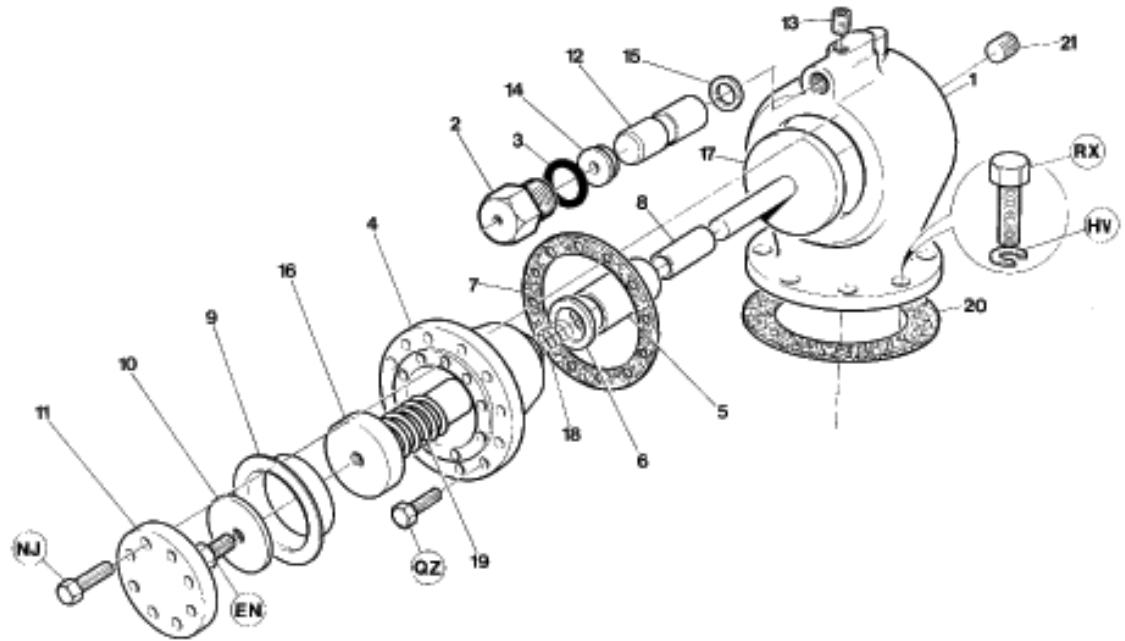
22560833_078_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
12	95667341	Nipple	1	Continued
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	

22560833

Regulation System

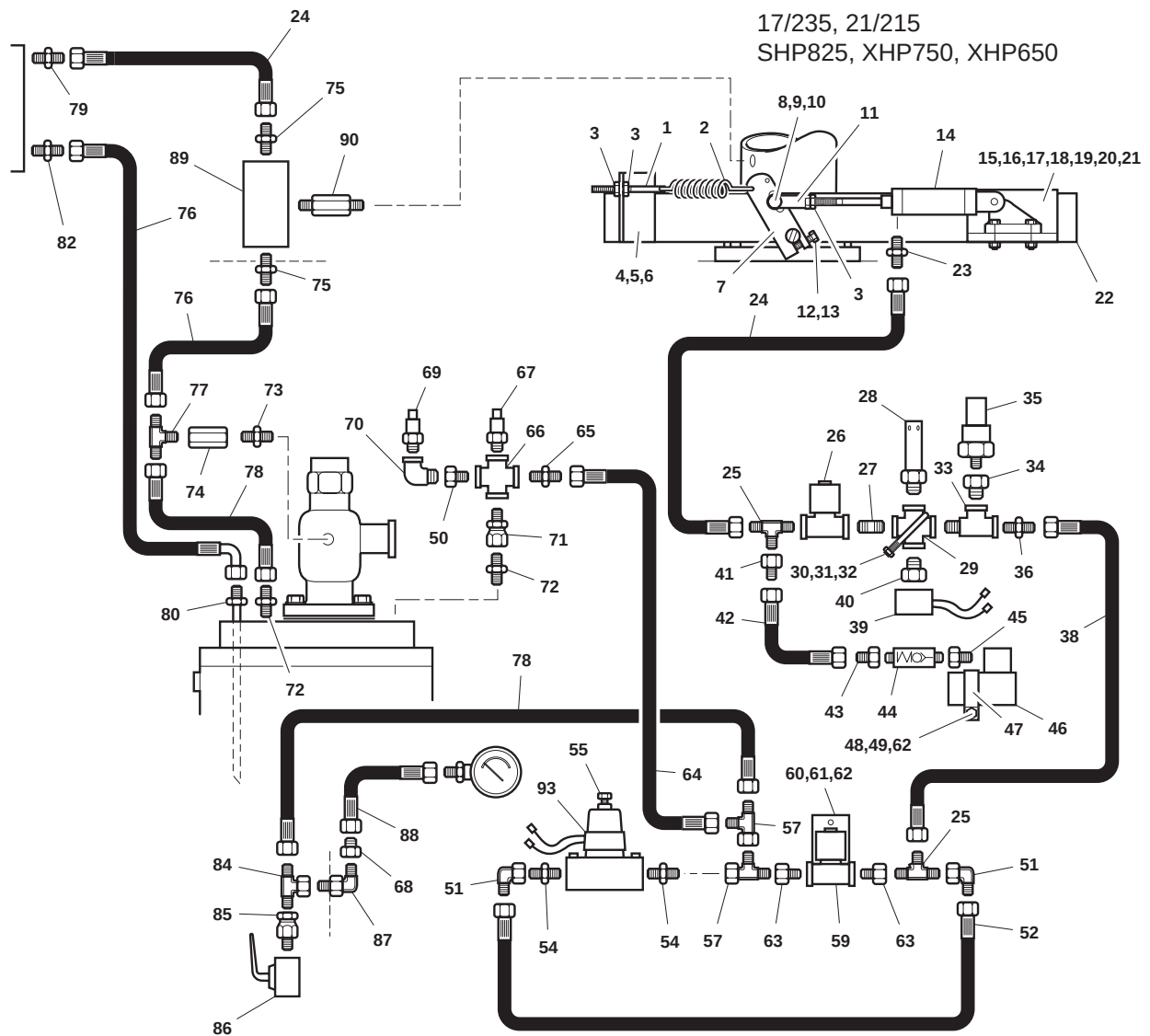
9/230 9/270 9/300 12/235
VHP750 MHP825 HP935
XP950 XP1060



22560833_080_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	

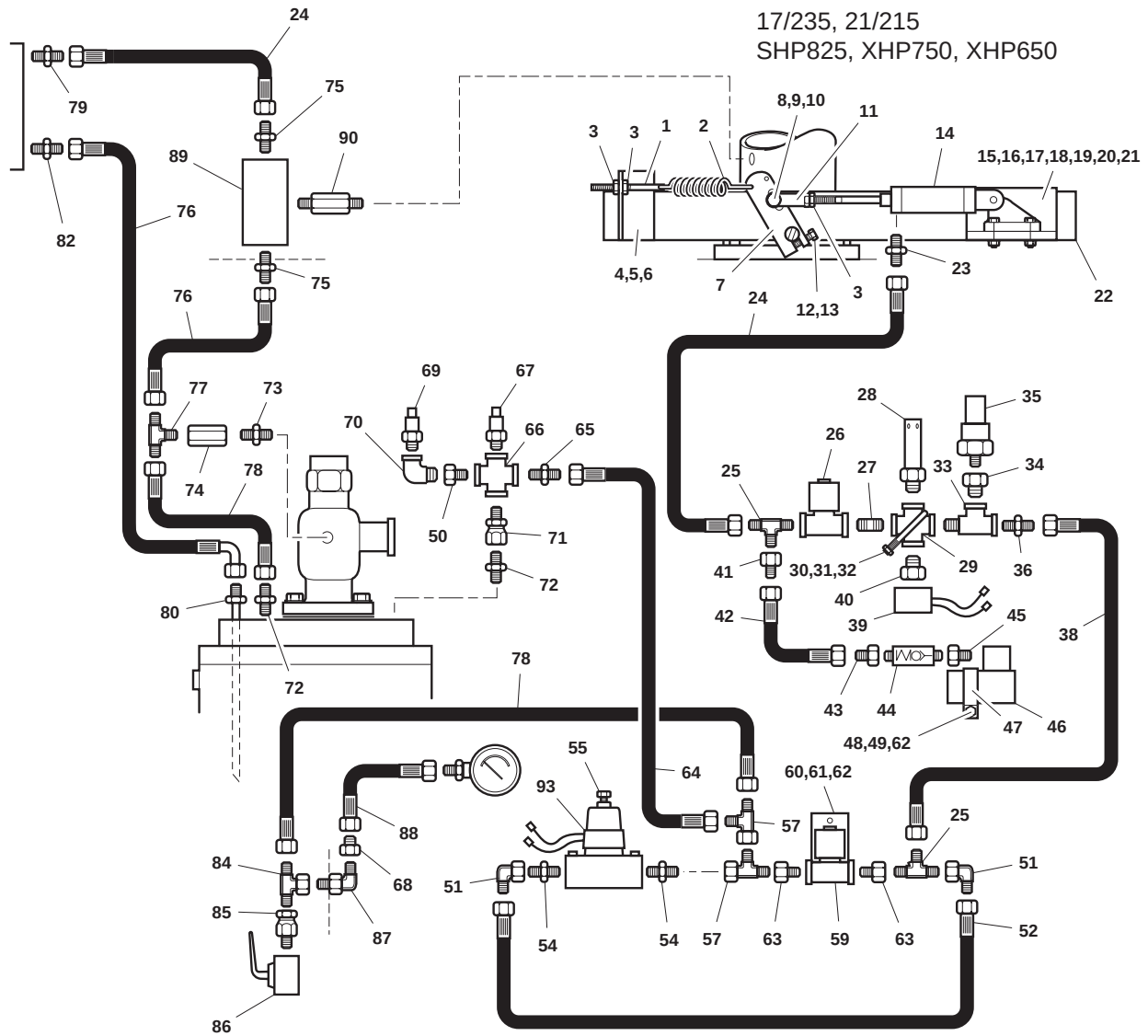
Regulation System



22560833_081_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	92912021	Rod	1	
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	Continued.....

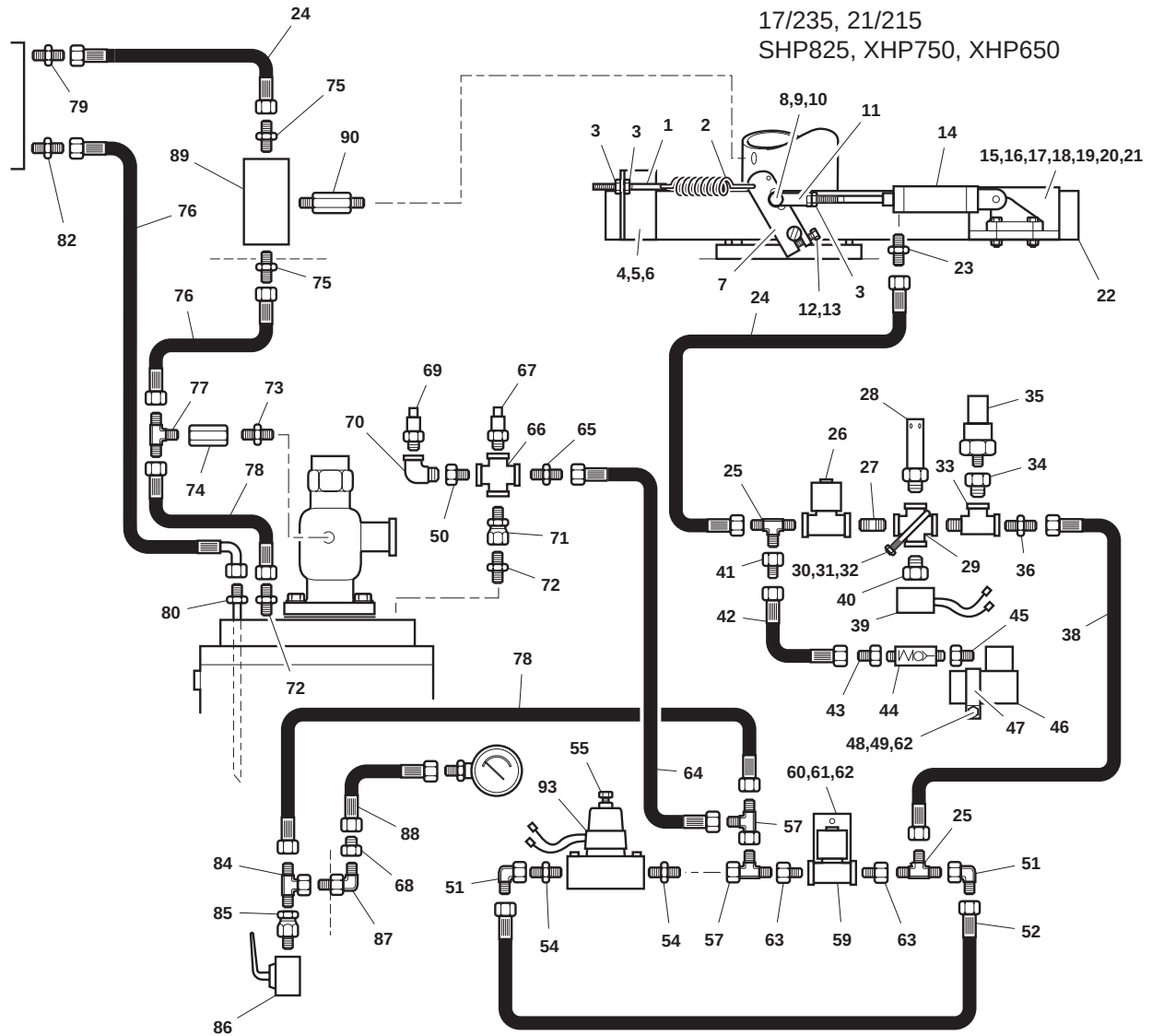
Regulation System



22560833_081_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
14	89249072	Cylinder Assembly	1	Continued
15	89202188	Bracket	1	
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	
26	36842318	Valve, Solenoid	1	
				Continued.....

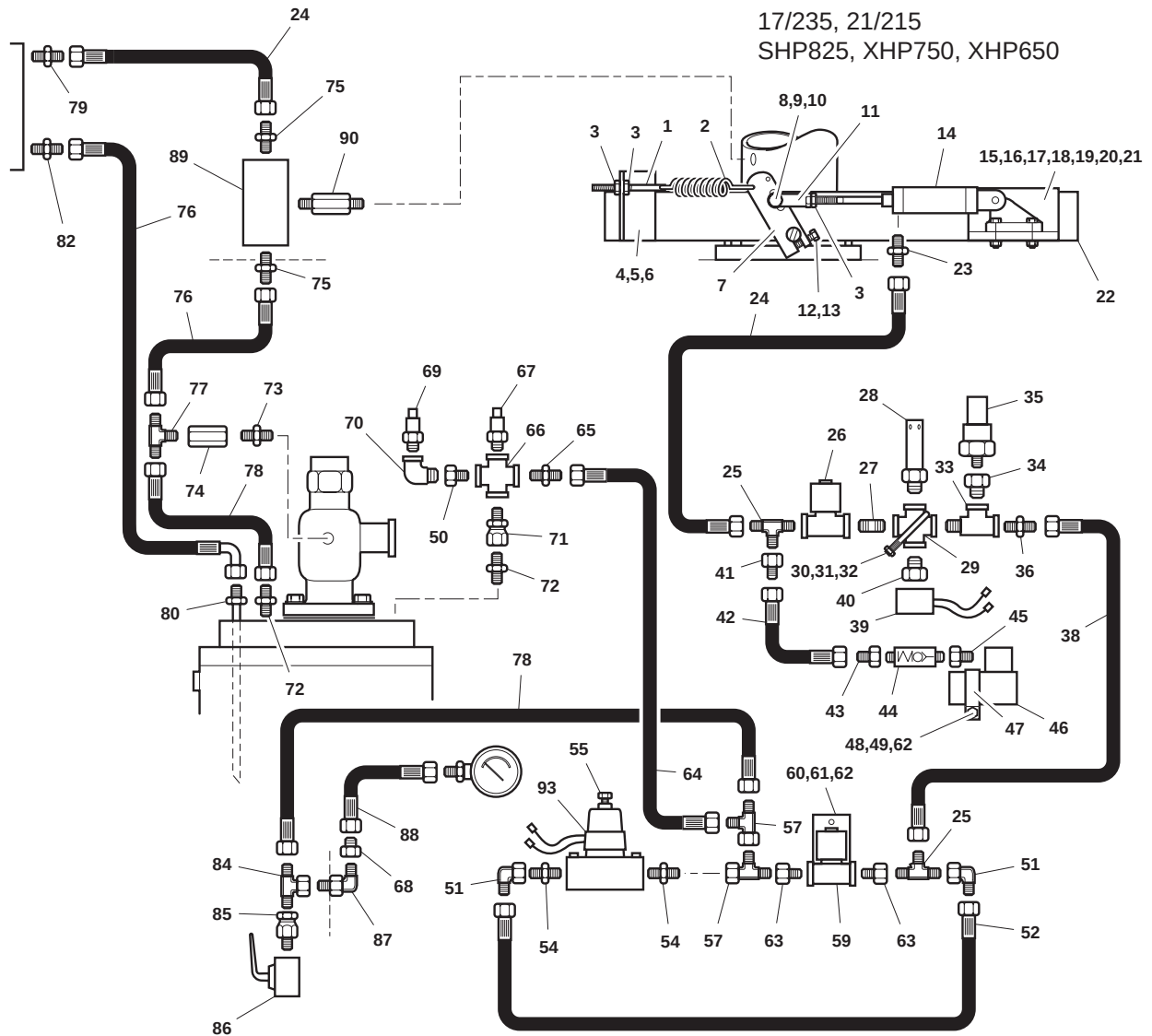
Regulation System



22560833_081_11/04_A

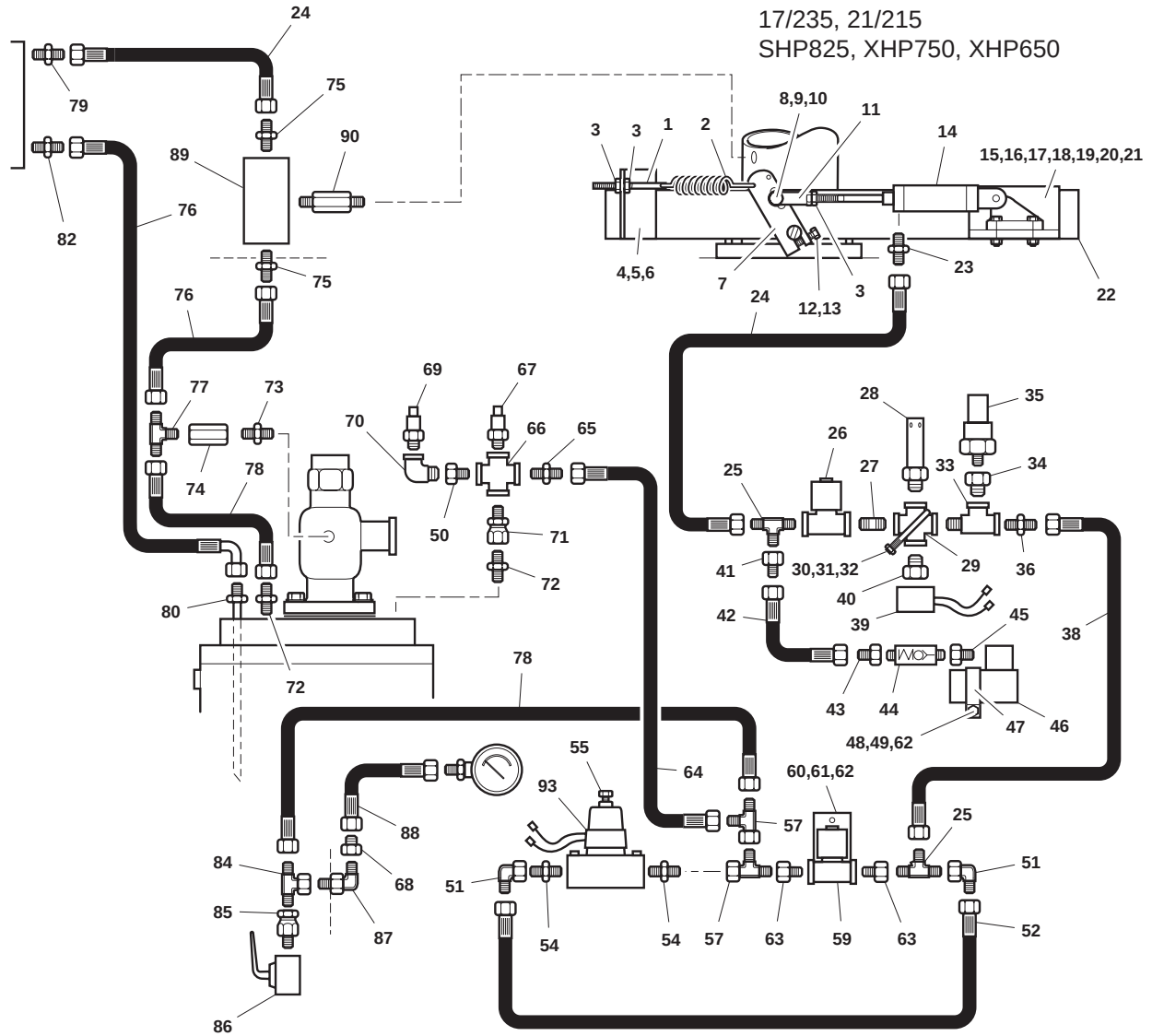
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
27	95242442	Nipple	1	Continued
28	35325133	Valve, Safety	1	
29	95588505	Cross	1	
30	35166404	U-Bolt	1	
31	95935029	Washer	1	
32	95923298	Nut	1	
33	95944690	Tee	1	
34	95930301	Adaptor	1	
35	36920825	Transducer, Pressure	1	
36	35284082	Adaptor	1	
37	--			
38	35284504	Hose Assembly	1	Continued.....

Regulation System



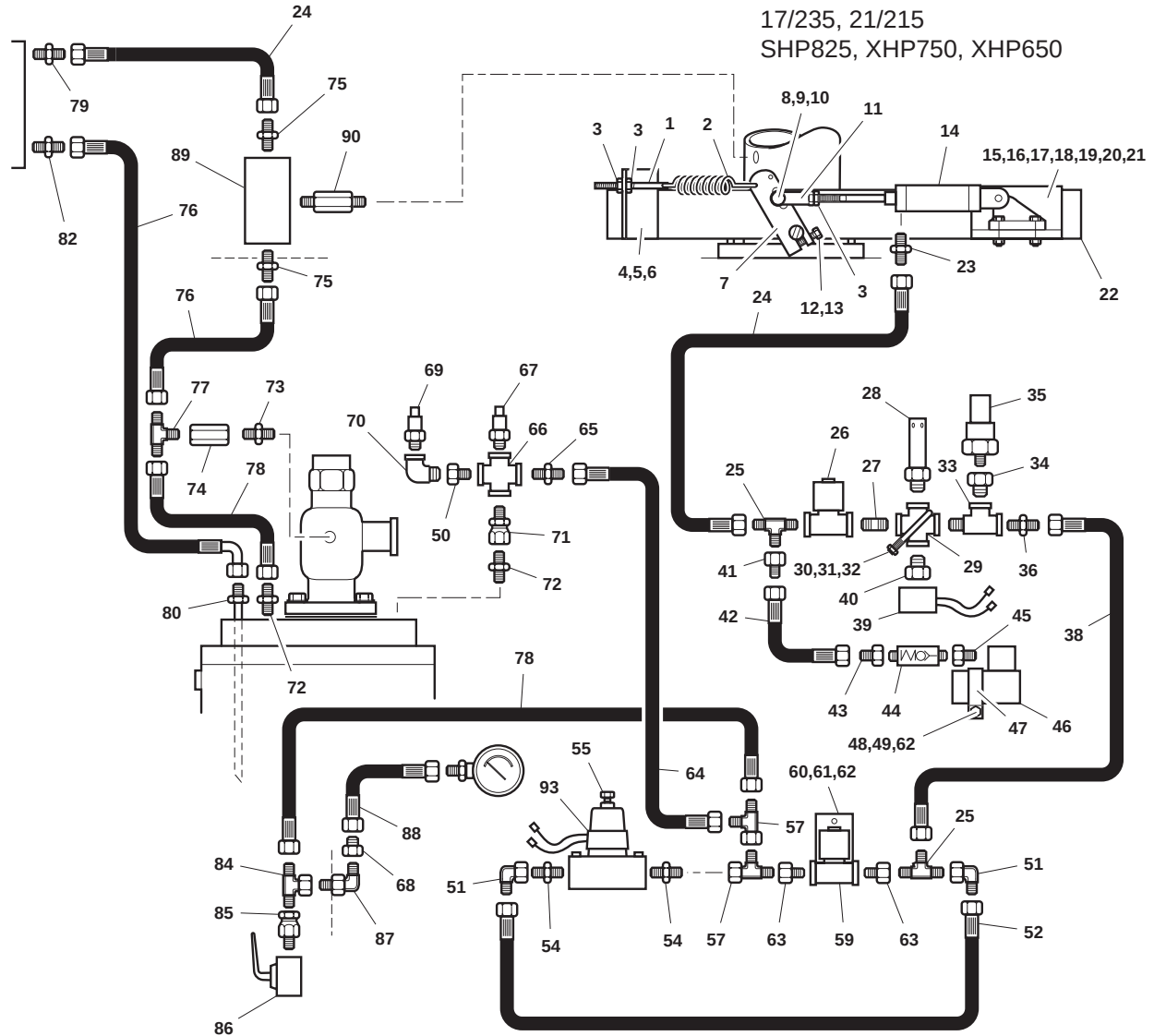
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
39	36841526	Heater	1	Continued
40	35322346	Orifice	1	
41	35306091	Adaptor	1	
42	35282920	Hose Assembly	1	
43	35294487	Adaptor	1	
44	35248145	Valve, Check	1	
45	22246714	Adaptor	1	
46	36850691	Compressor	1	
47	35119718	Clamp	2	
48	36898096	Screw	2	
49	95935029	Washer	2	
50	95953899	Reducer	1	Continued.....
51	35283068	Elbow	2	
52	35323724	Hose Assembly	1	

Regulation System



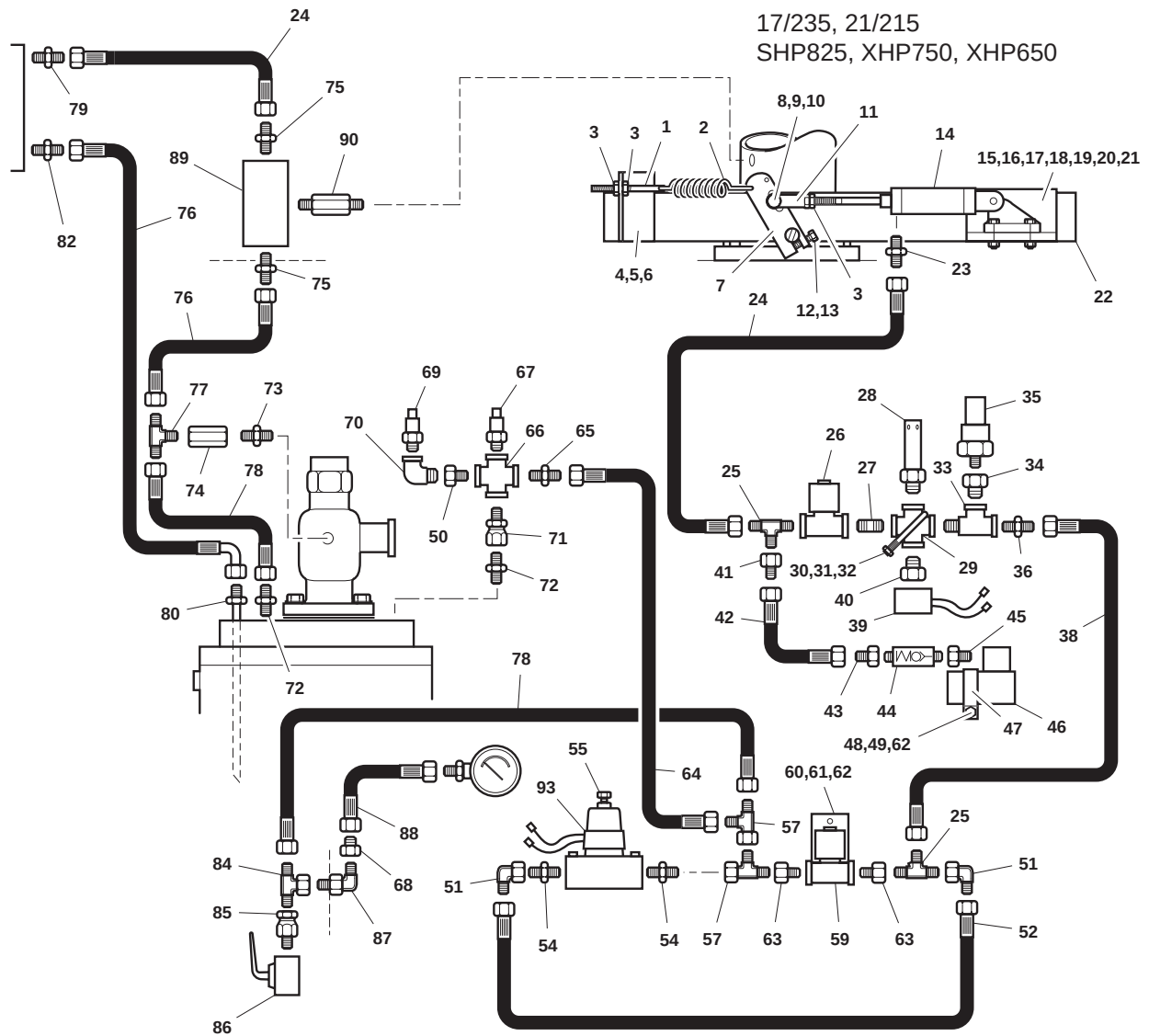
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
53	--			Continued
54	92478387	Adaptor	2	
55	92956093	Regulator	1	
56	--			
57	95415667	Tee	2	
58	--			
59	36842300	Valve, Solenoid	1	
60	22130314	Bracket	1	
61	36898096	Screw	1	
62	36898104	Nut	3	
63	95940748	Adaptor	2	
64	35294719	Hose Assembly	1	
65	35290147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

Regulation System



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
67	36898922	Sensor, Temperature	1	Continued
68	35306091	Adaptor	1	
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	Continued.....
79	95938114	Adaptor	1	
80	22231476	Scavenge Tube	1	

Regulation System

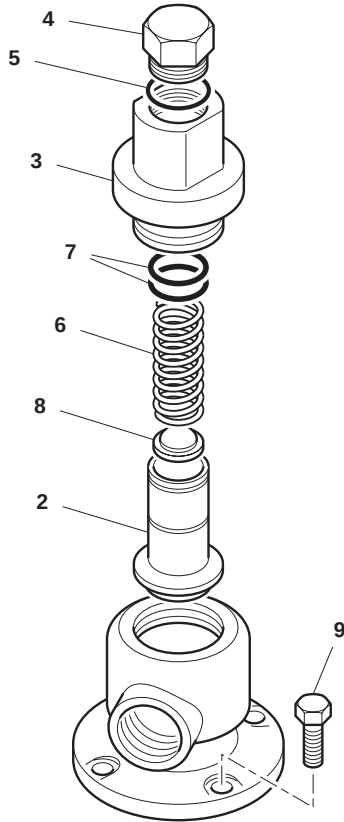


22560833_085_11/04_A

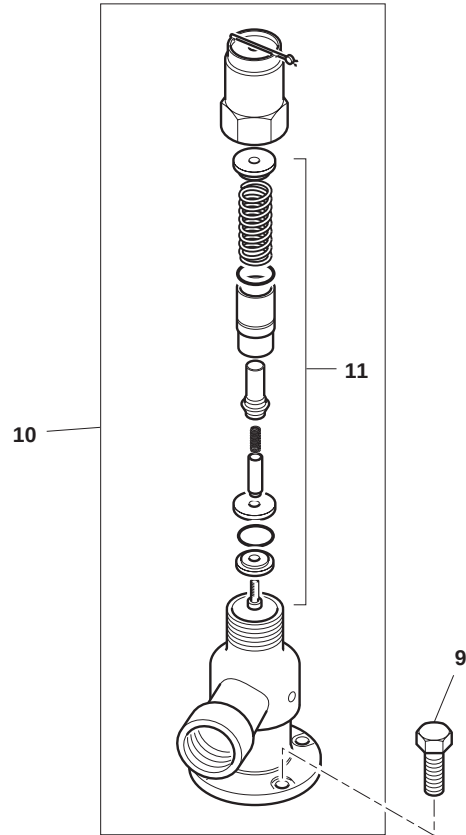
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
81	-			Continued
82	92955244	Adaptor, Orifice	1	
83	35283282	Hose Assembly	1	
84	35283092	Tee	1	
85	35367846	Adaptor	1	
86	35324839	Valve, Ball	1	
87	36852499	Elbow	1	
88	35283241	Hose Assembly	1	
89	92892959	Valve, Auto Blowdown	1	
90	92971811	Adaptor,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



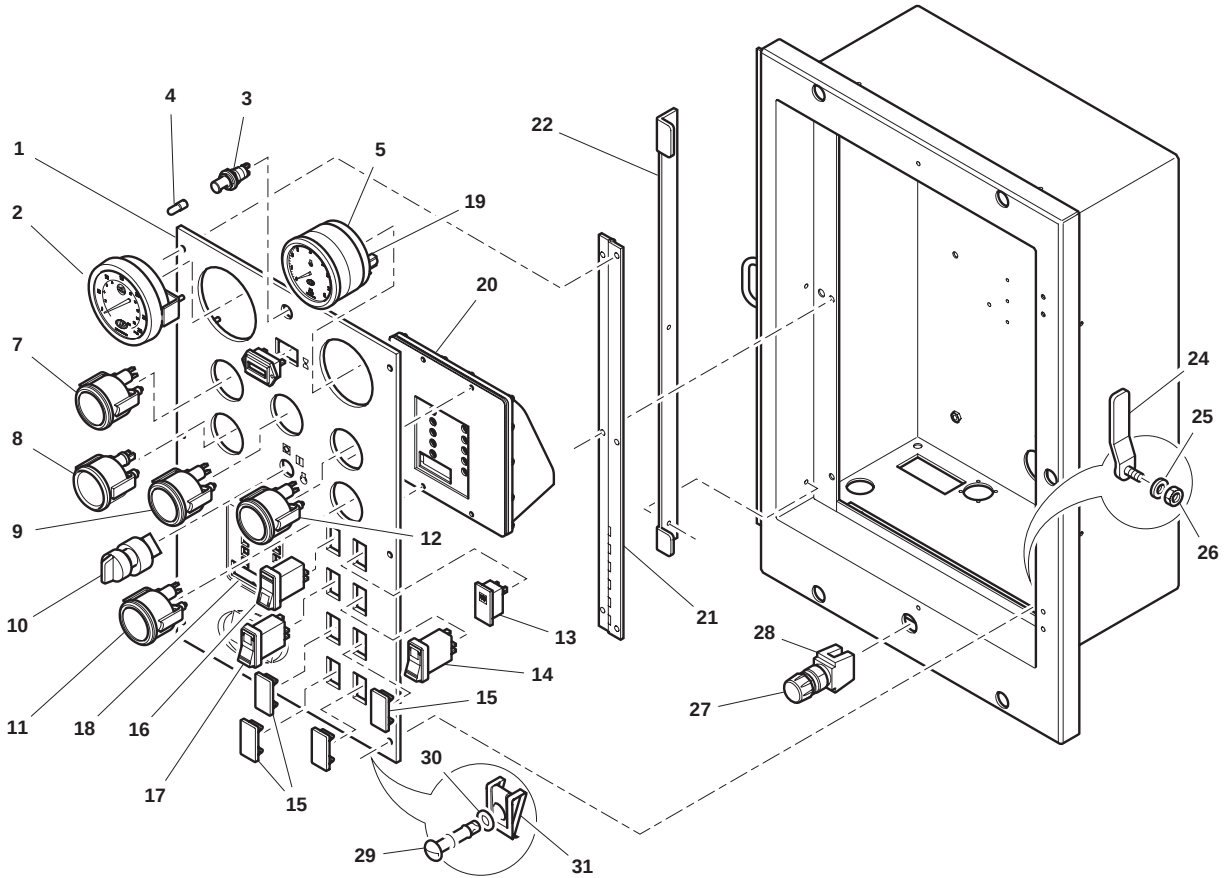
17/235, 21/215
SHP825, XHP750, XHP650



22560833_088_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	

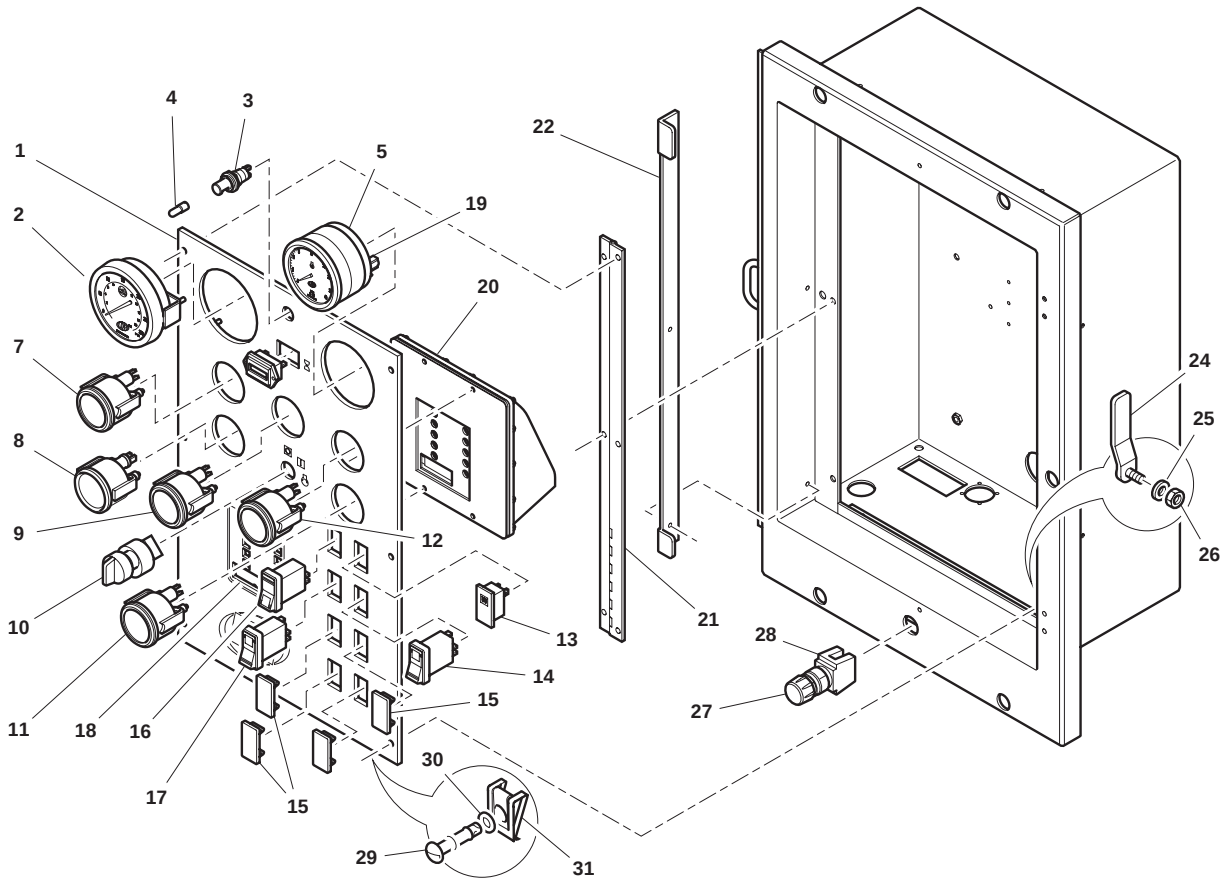
Instrumentation/Electrical System



22560833_089_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	
14	22053896	Switch, Light	1	Continued.....

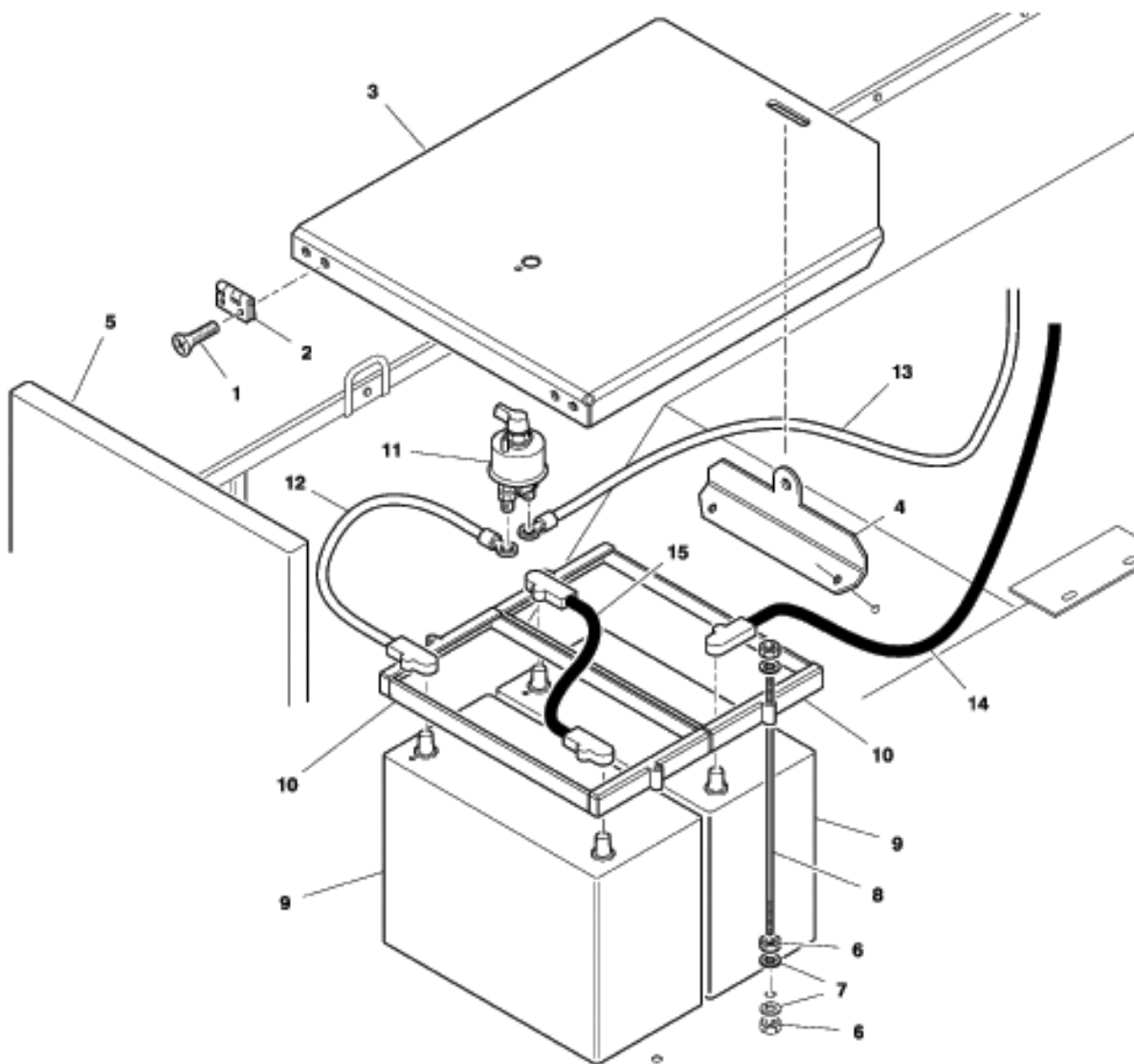
Instrumentation/Electrical System



22560833_089_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
15	22054142	Cover	4	Continued
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	

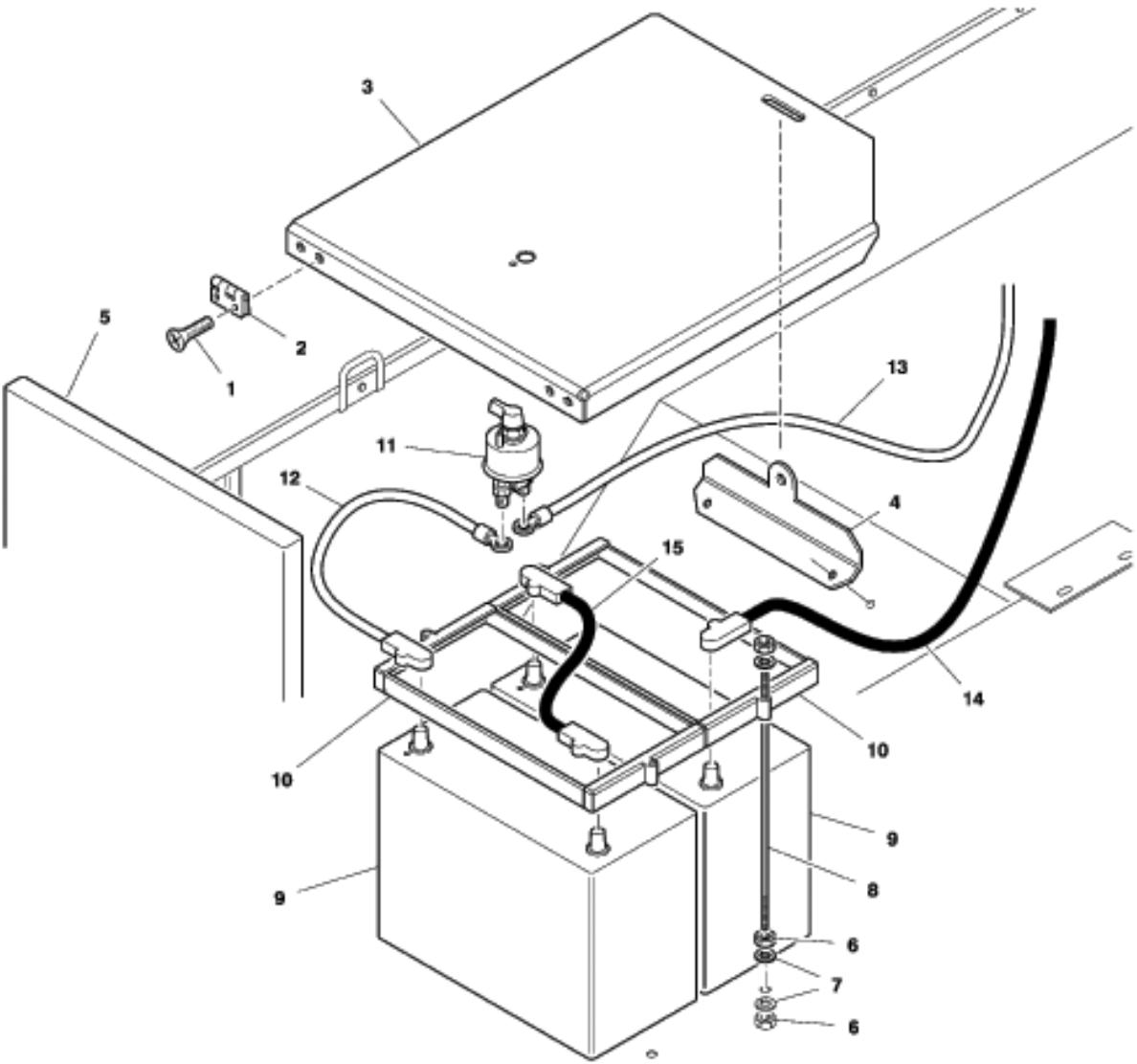
Instrumentation/Electrical System



22560833_091_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	
6	92398106	Nut	12	Continued.....

Instrumentation/Electrical System

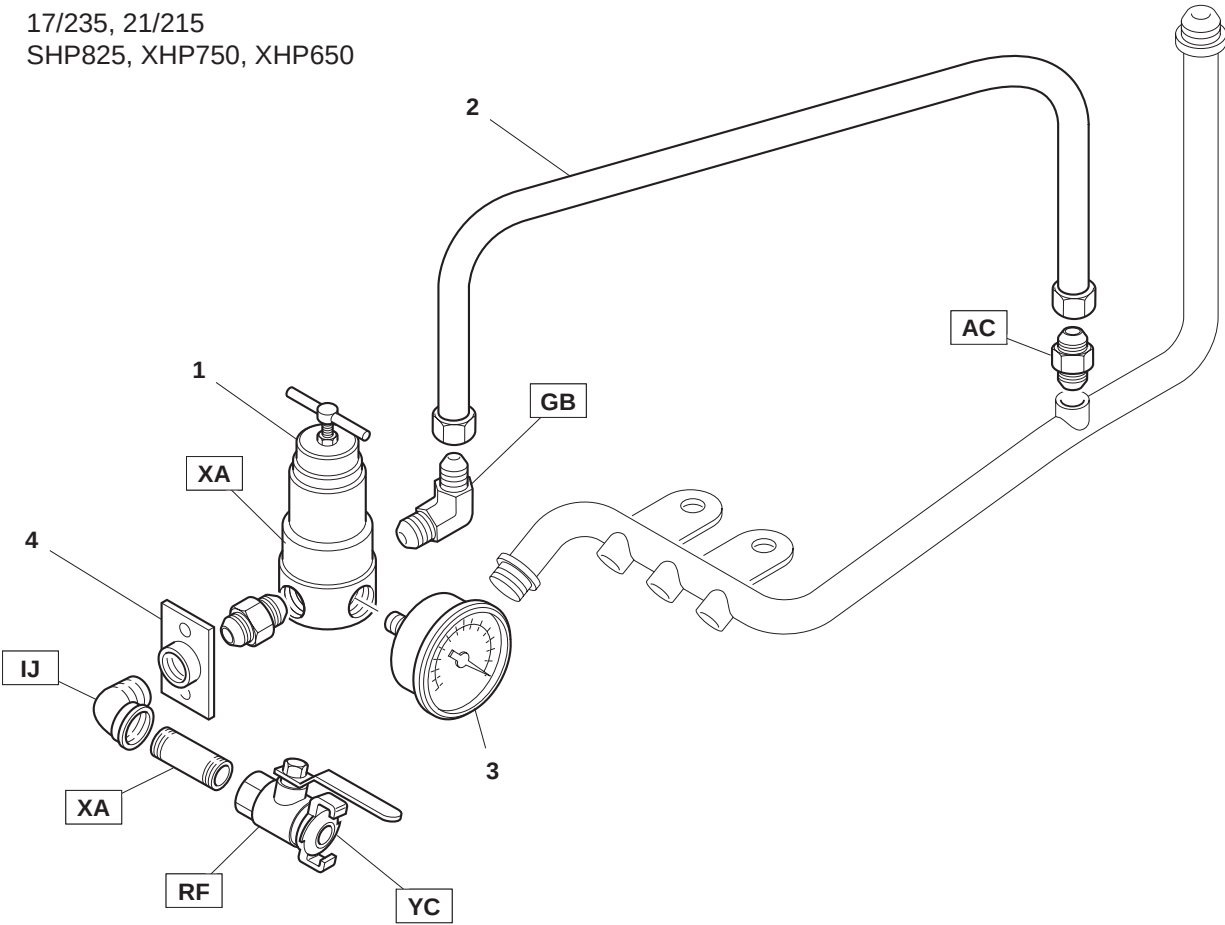


22560833_091_11/04_A

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

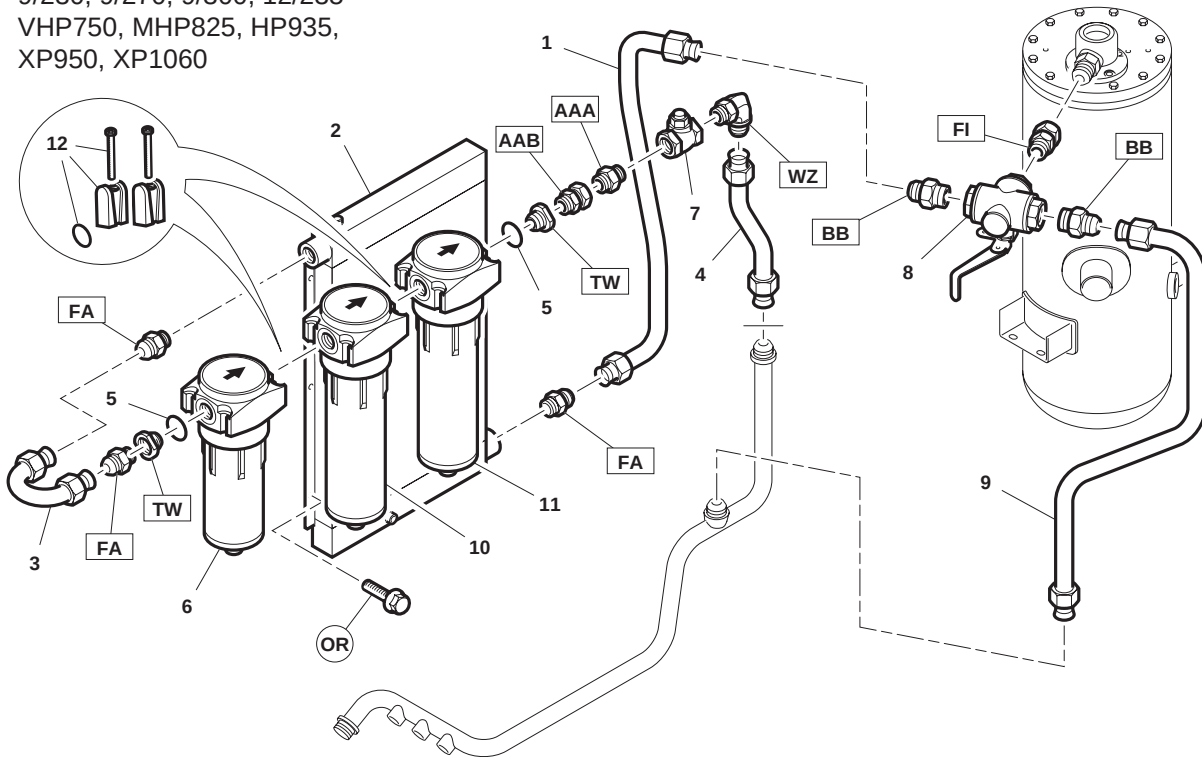


22560833_093_11/04_A

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

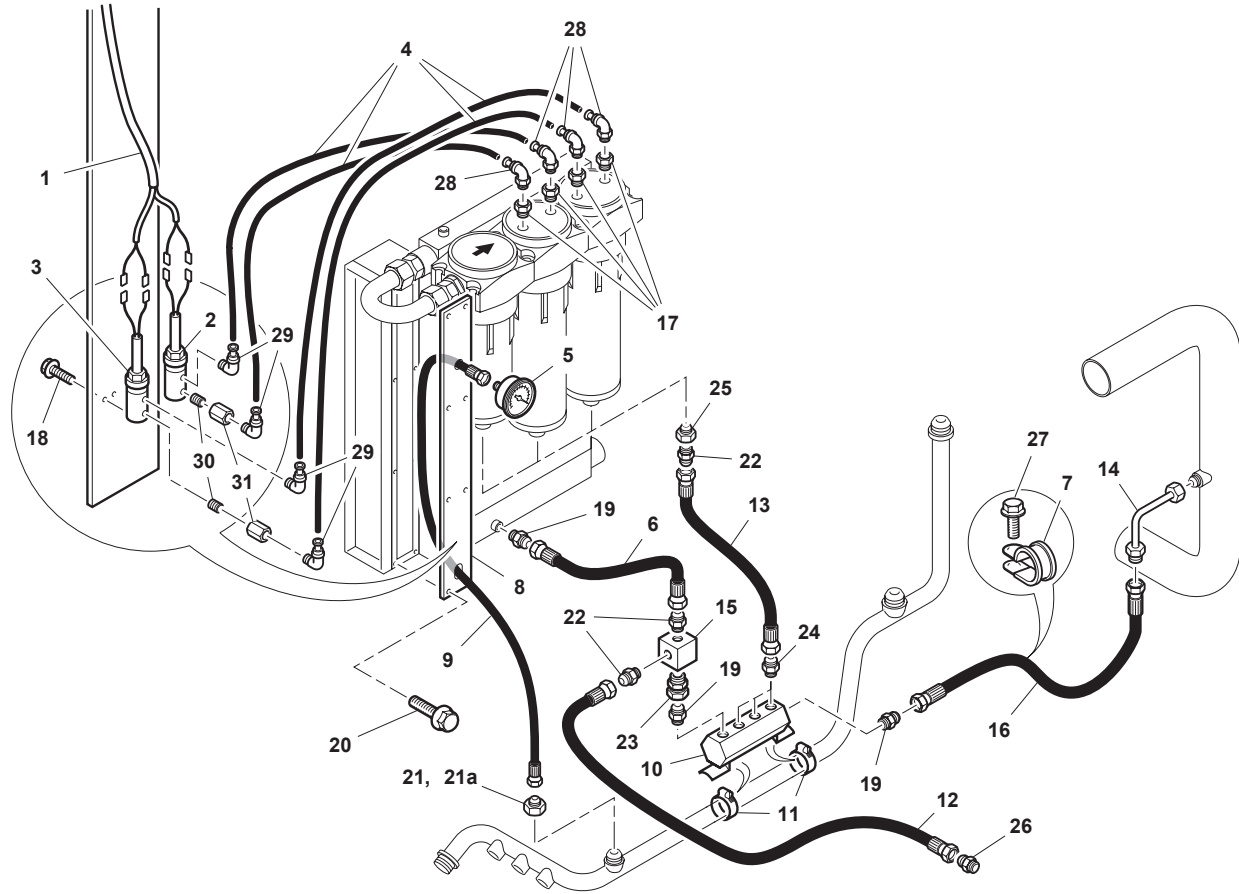
9/230, 9/270, 9/300, 12/235
VHP750, MHP825, HP935,
XP950, XP1060



22560833_094_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	

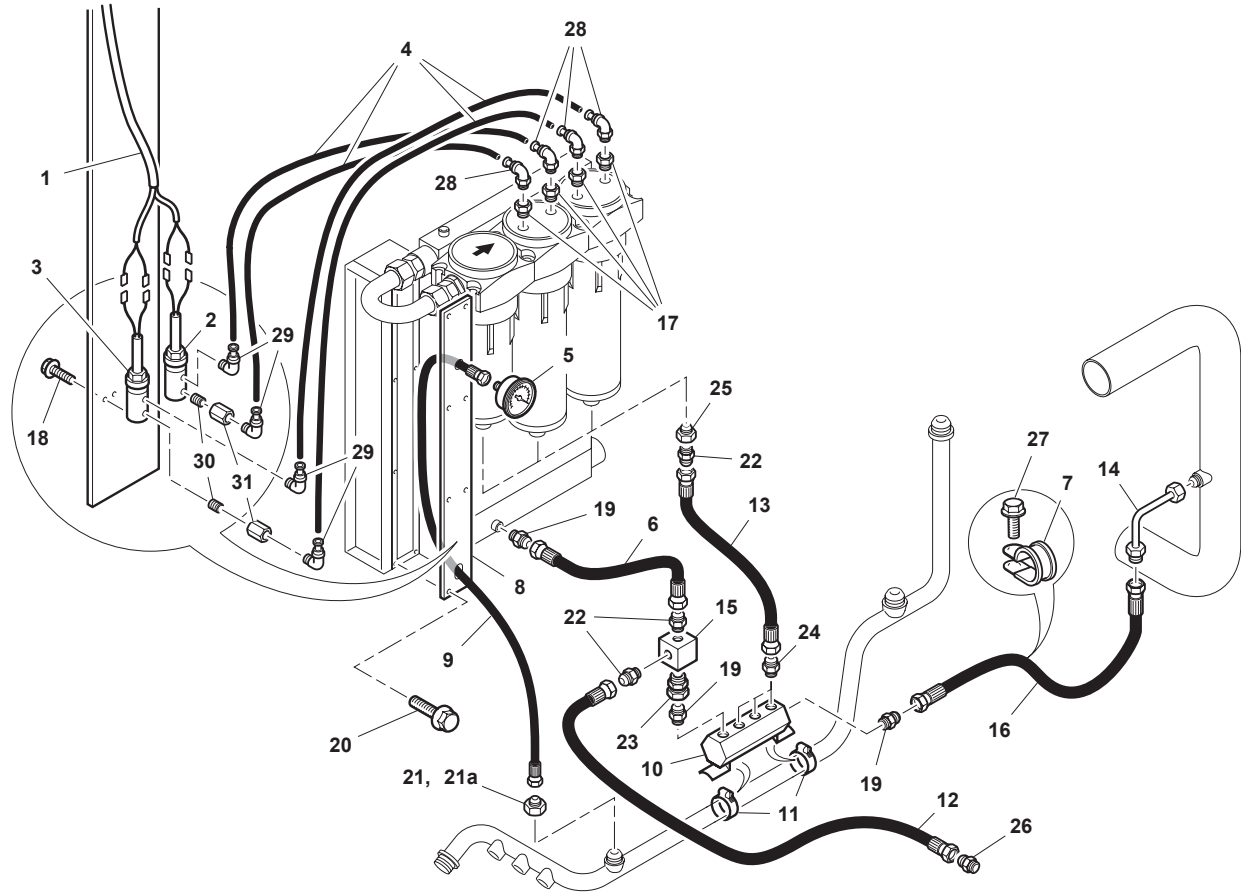
Option - IQ



22560833_095_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	<i>Continued.....</i>

Option - IQ

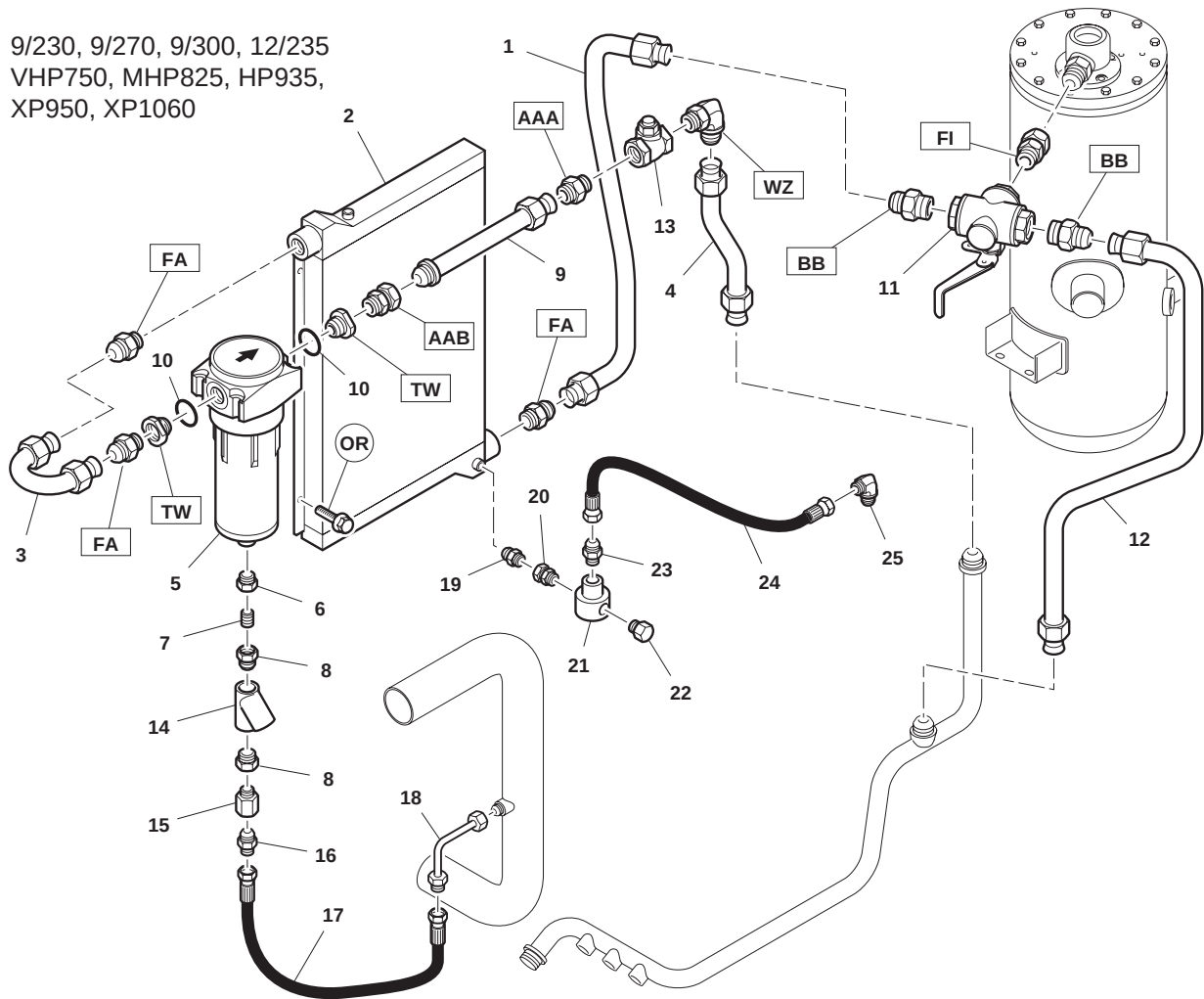


22560833_095_11/04_A

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

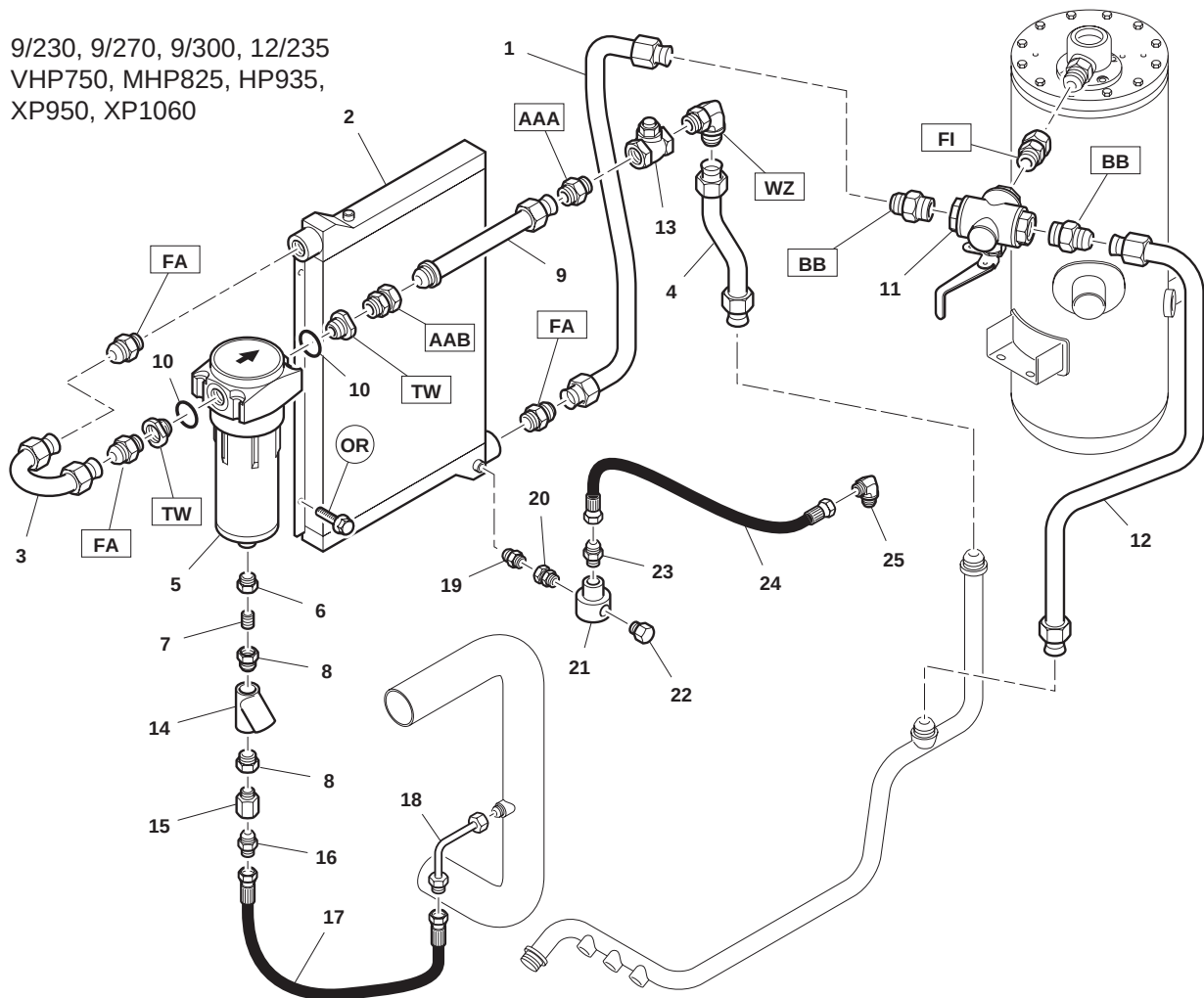


22560833_097_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	54575980	Tube Assembly	1	Continued.....
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	

Option - Oil/Air Piping (Aftercooler)

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

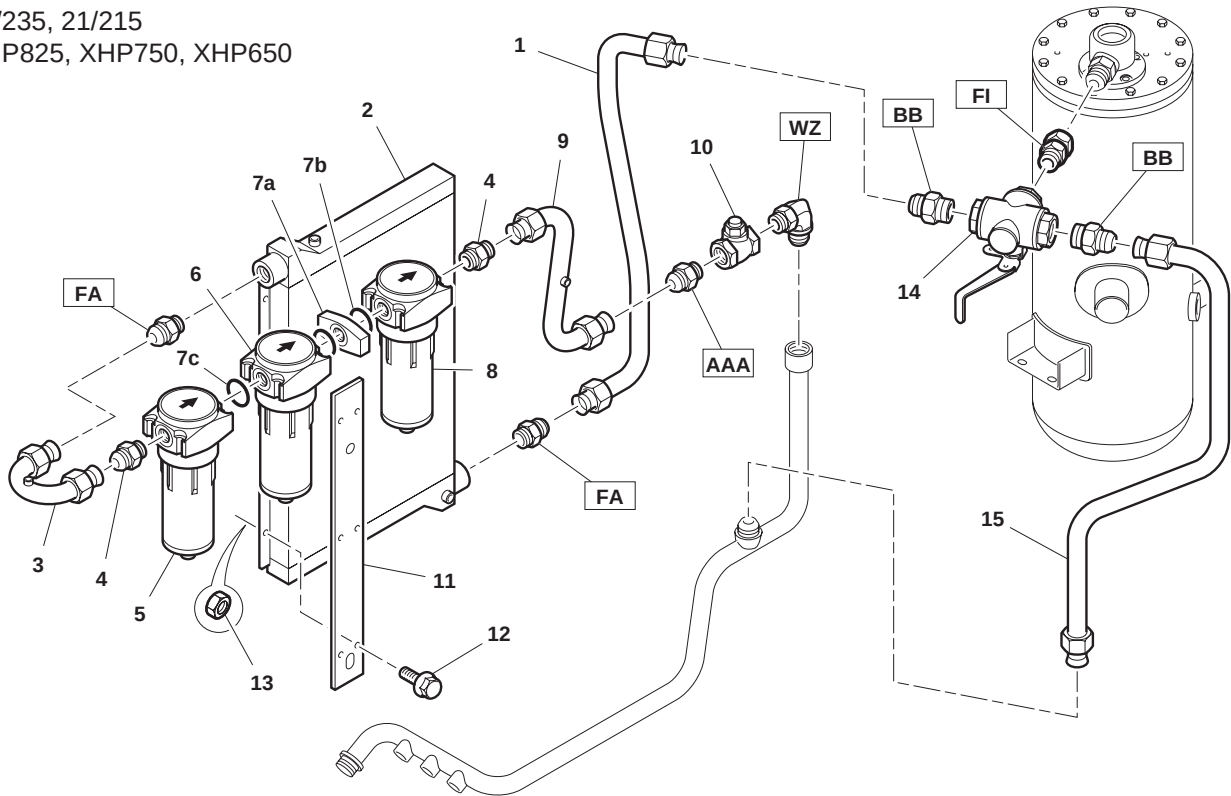


22560833_097_11/04_A

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



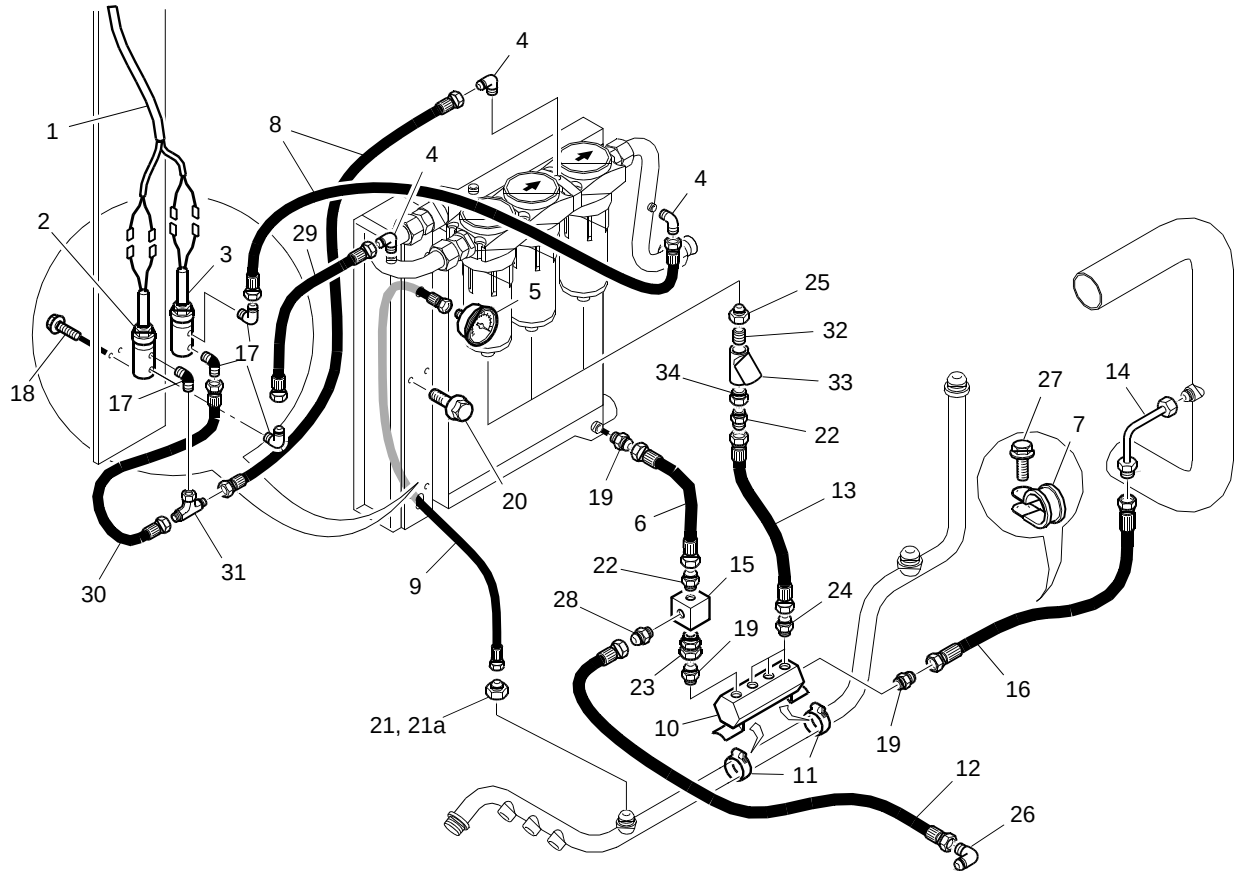
22560833_099_11/04_A

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	

22560833

Option - IQ Dual Filter

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

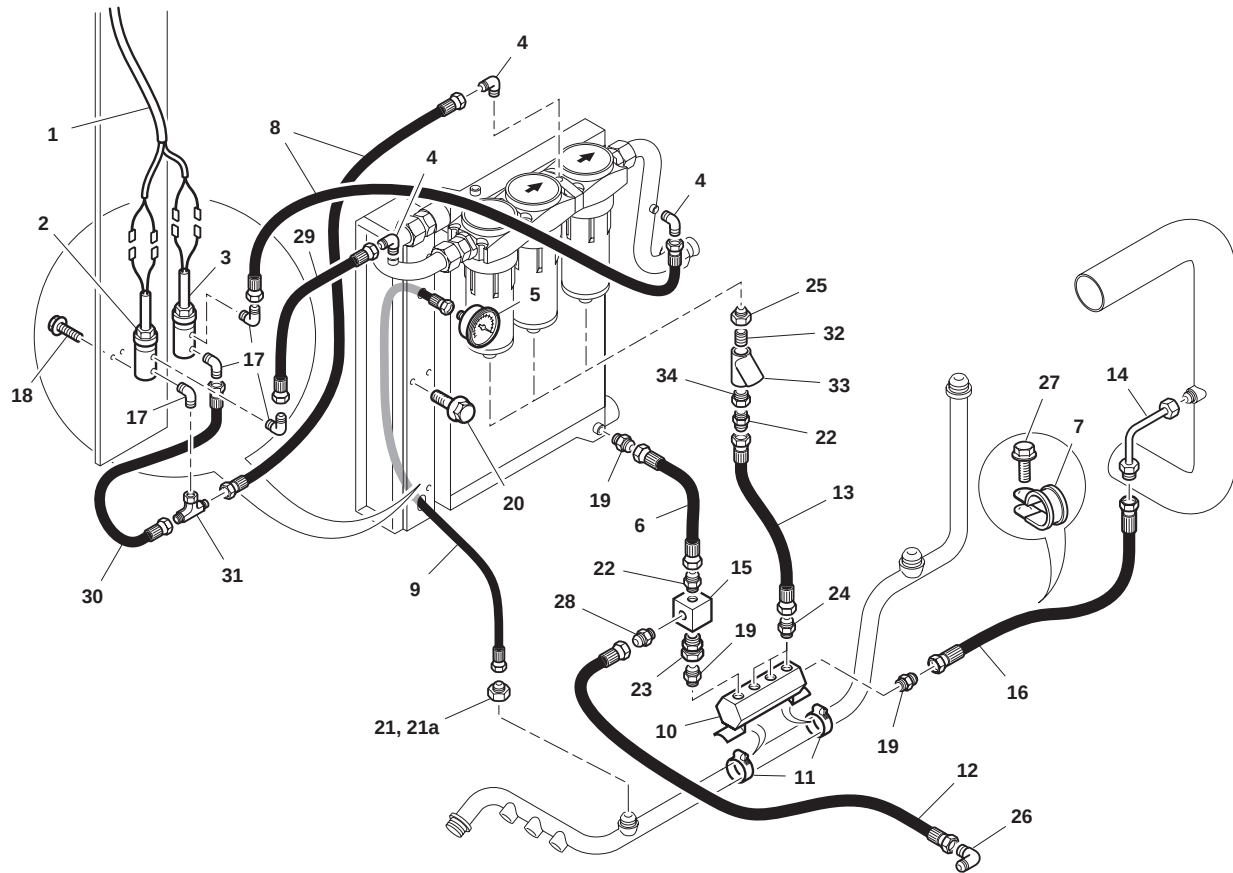


22560833_100_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22162572	Harness	1	Continued.....
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	

Option - IQ Dual Filter

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

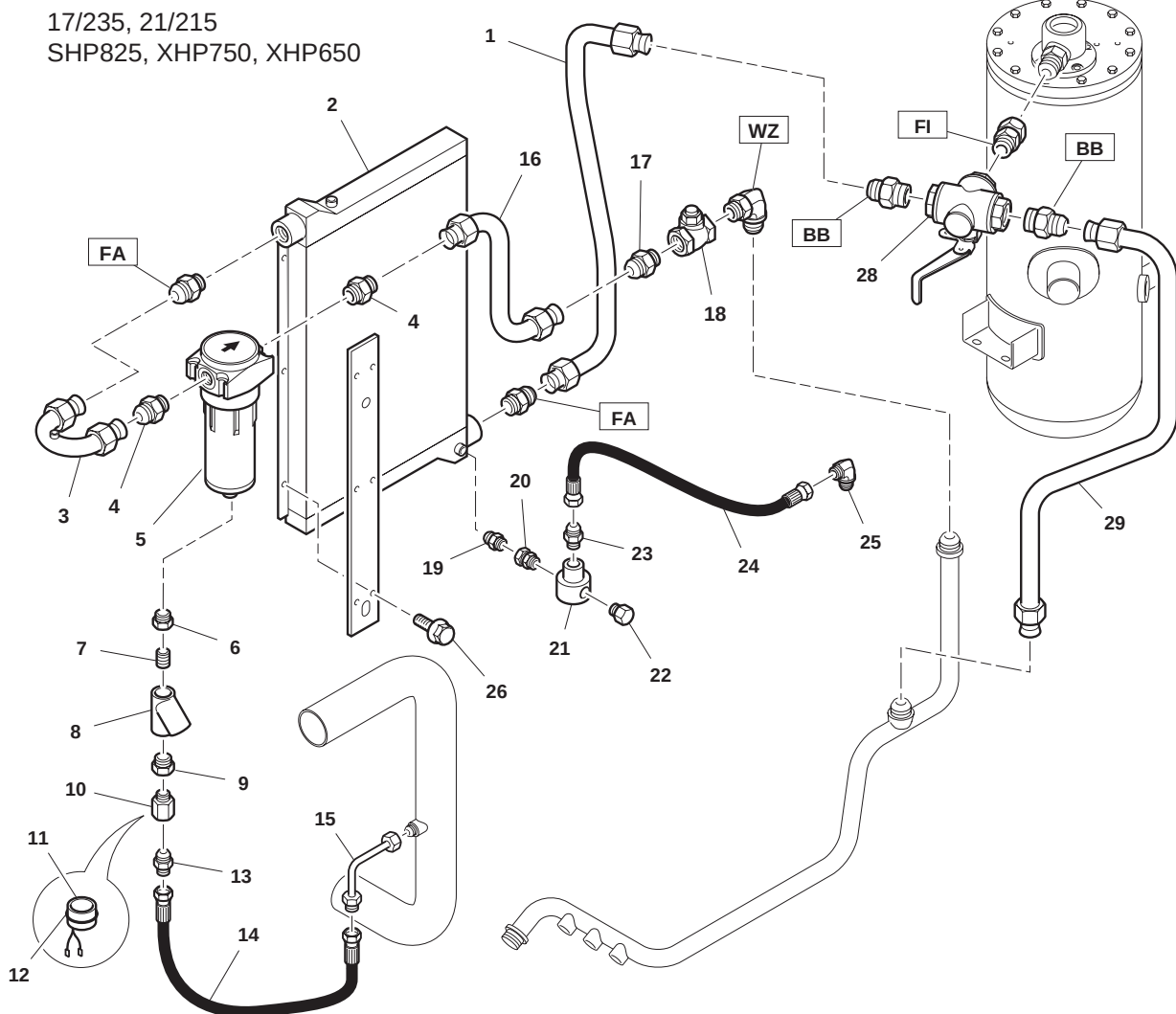


22560833_100_11/04_A

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	

22560833

Option - Oil/Air Piping (Aftercooler)

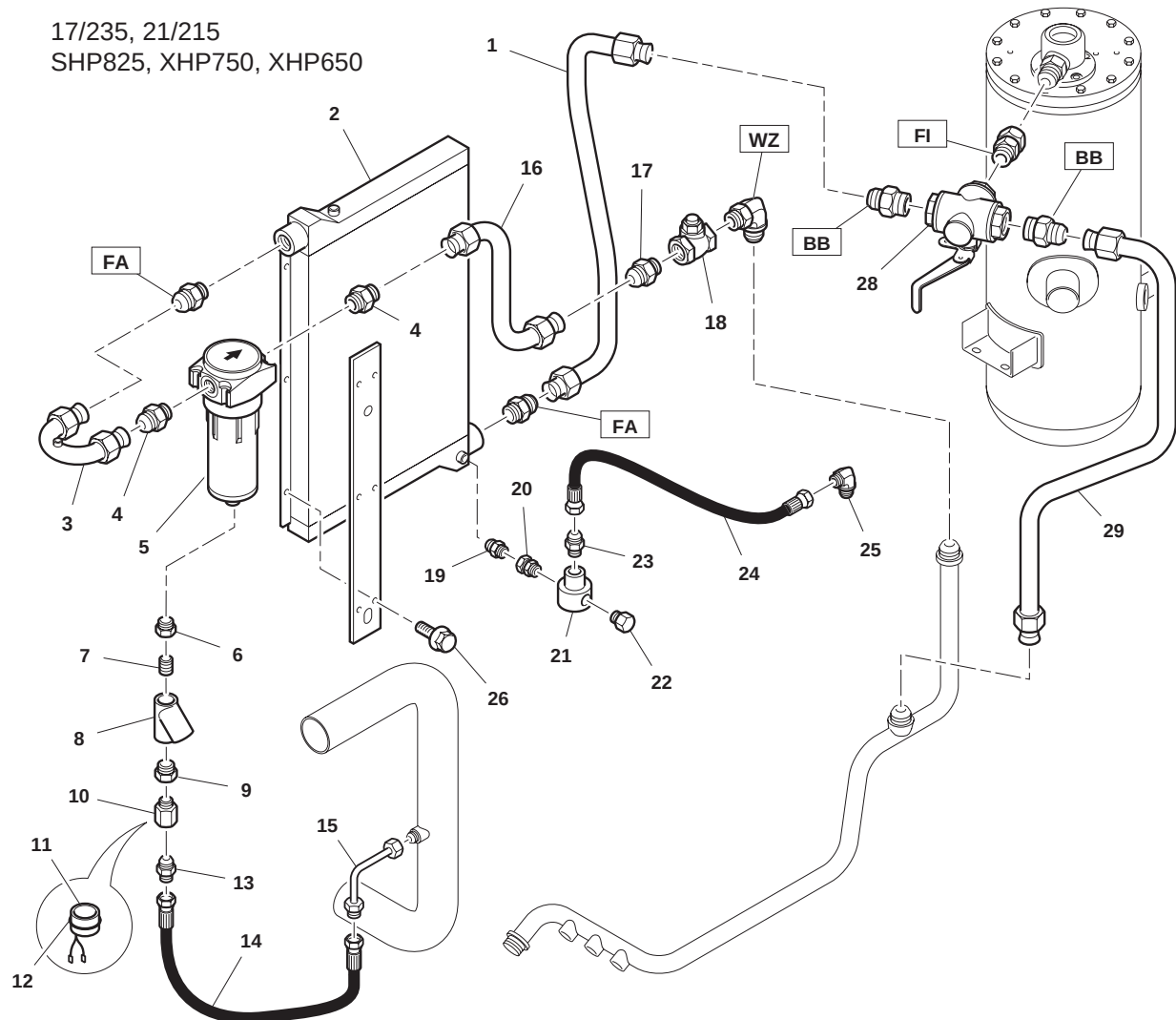


22560833_102_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	54575980	Tube Assembly	1	
2	54709944	Aftercooler	1	
3	46355602	Tube Assembly	1	
4	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	Continued.....

Option - Oil/Air Piping (Aftercooler)

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

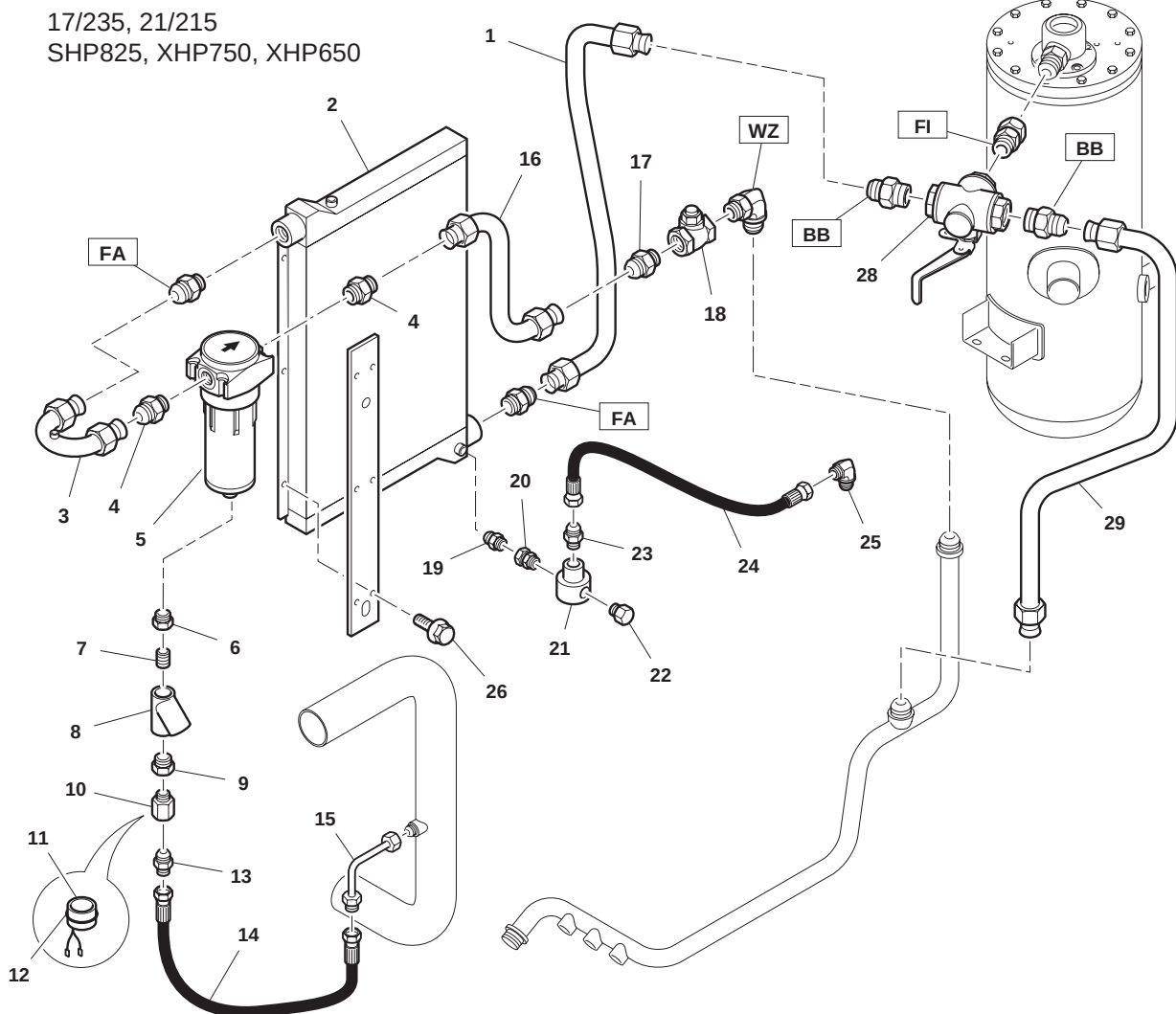


22560833_102_11/04_A

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.....

22560833

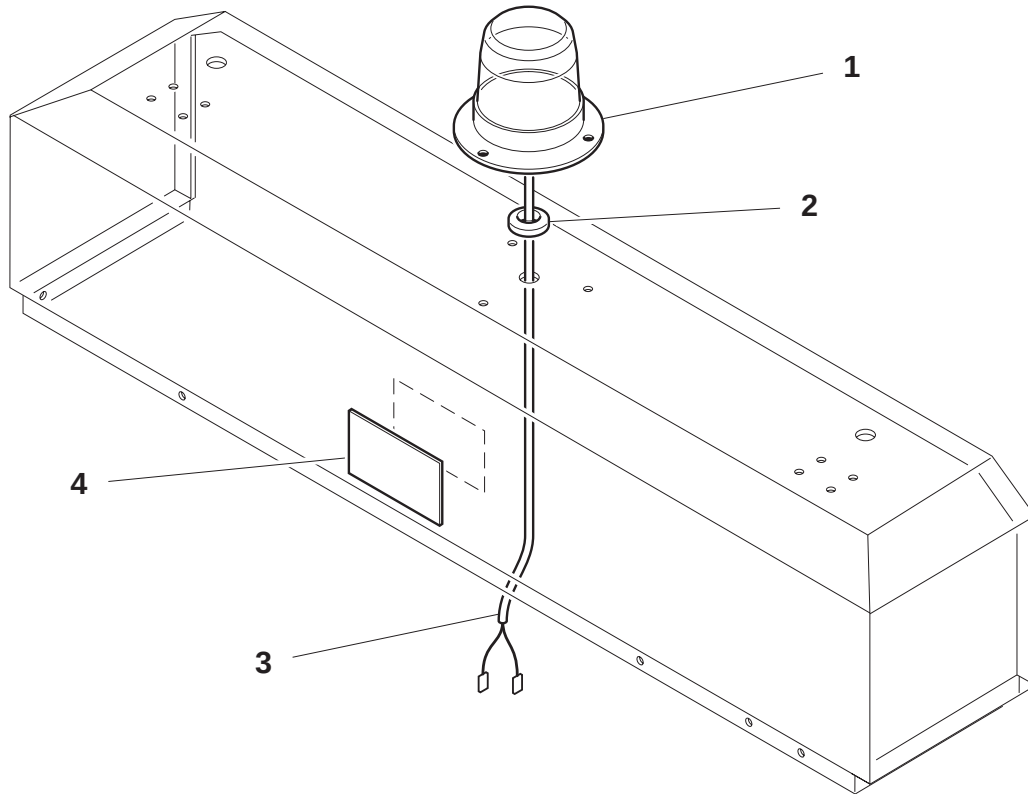
Option - Oil/Air Piping (Aftercooler)



22560833_102_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
23	35283472	Connector	1	 <i>Continued</i>
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)

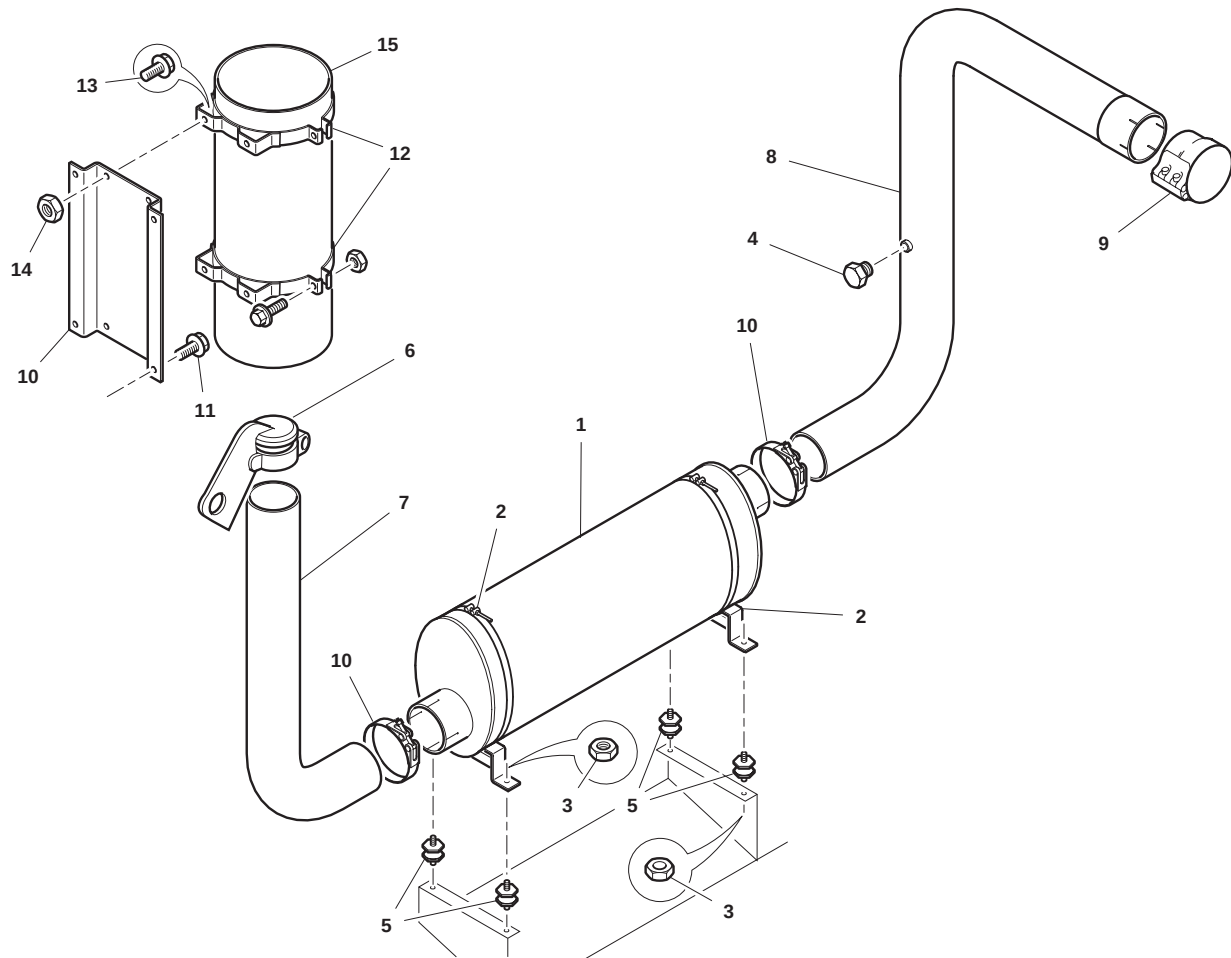


22560833_105_11/04_A

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	

22560833

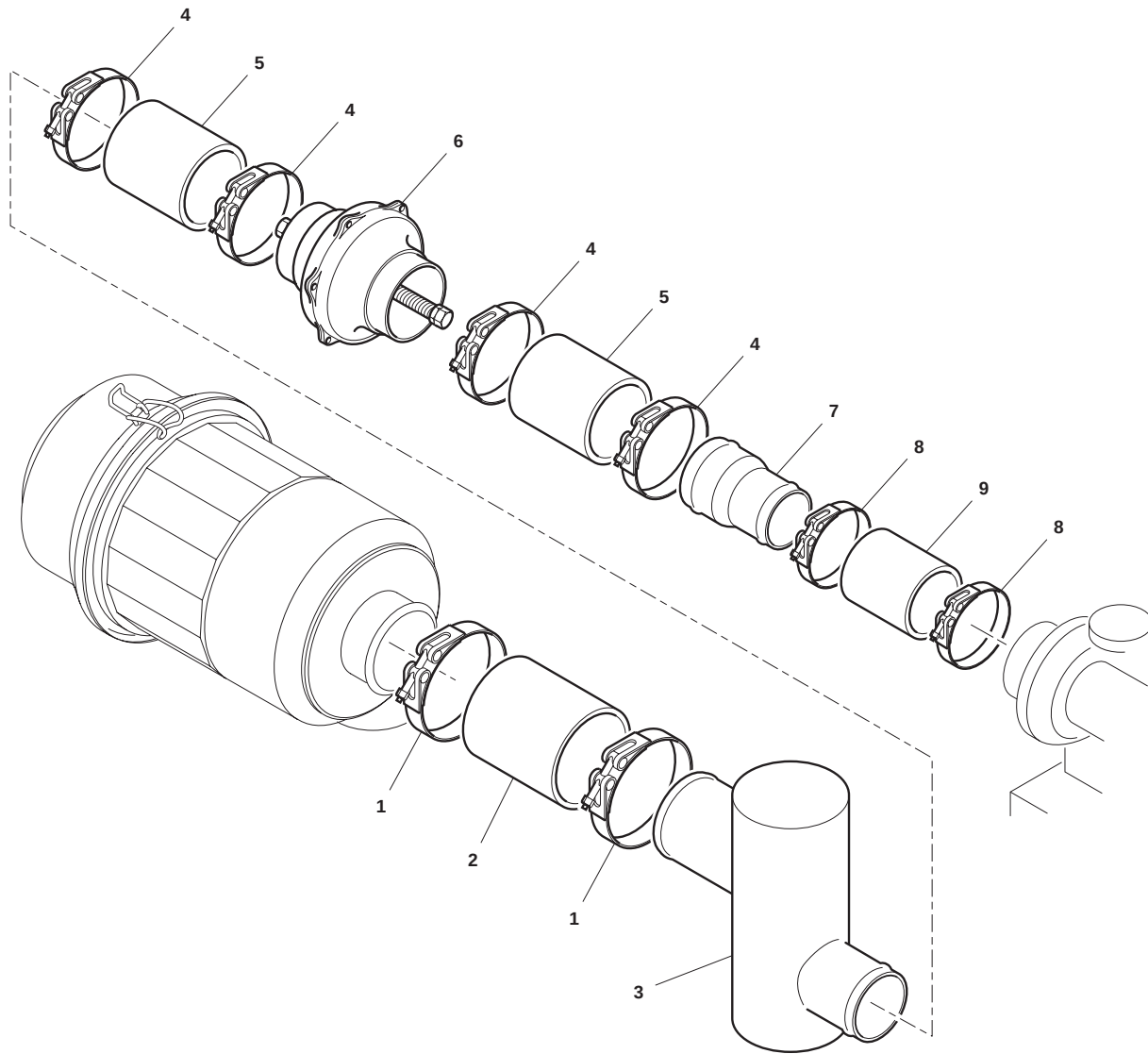
Option - Spark Arrestor



22560833_106_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

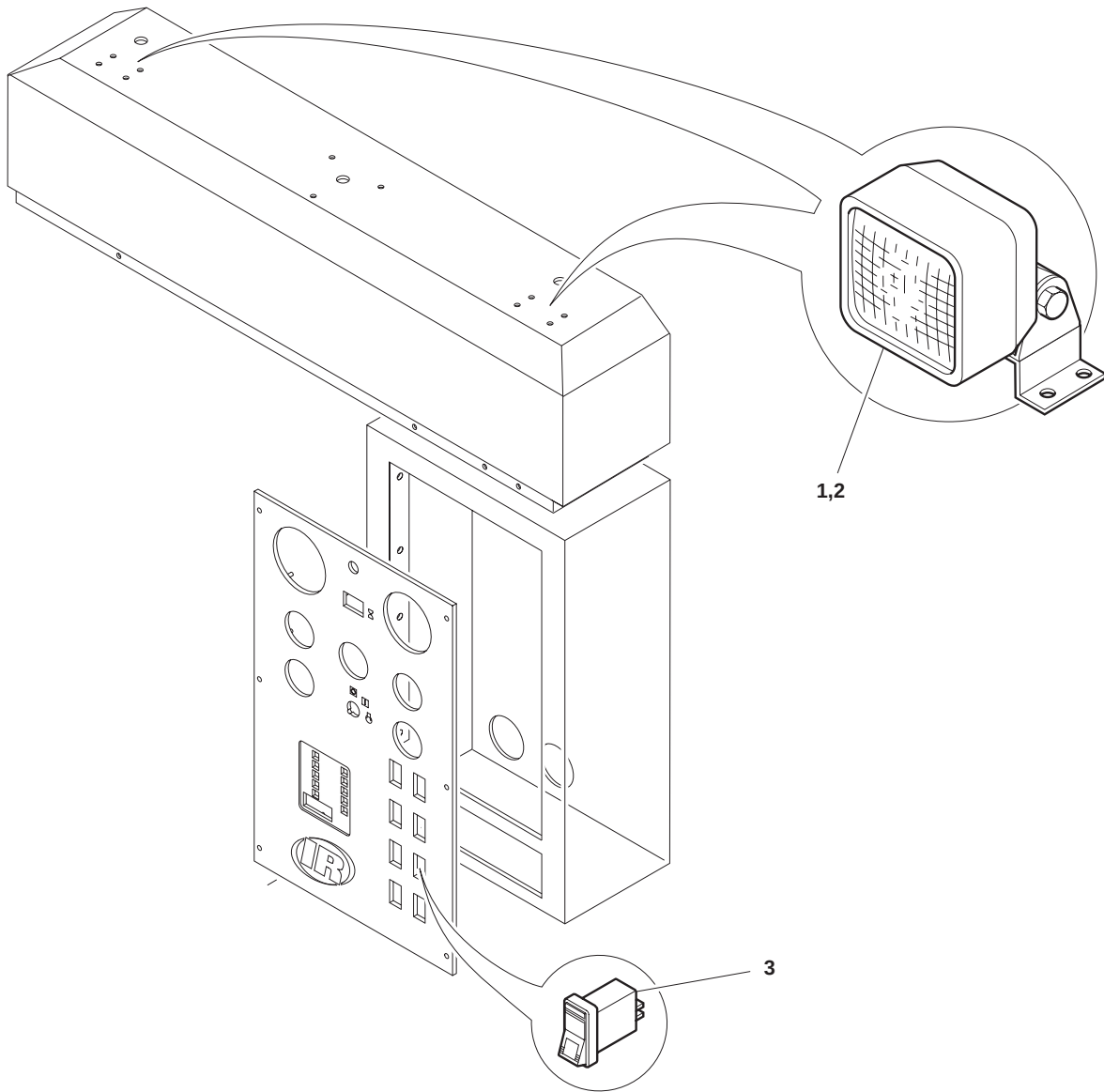


22560833_107_11/04_A

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	

22560833

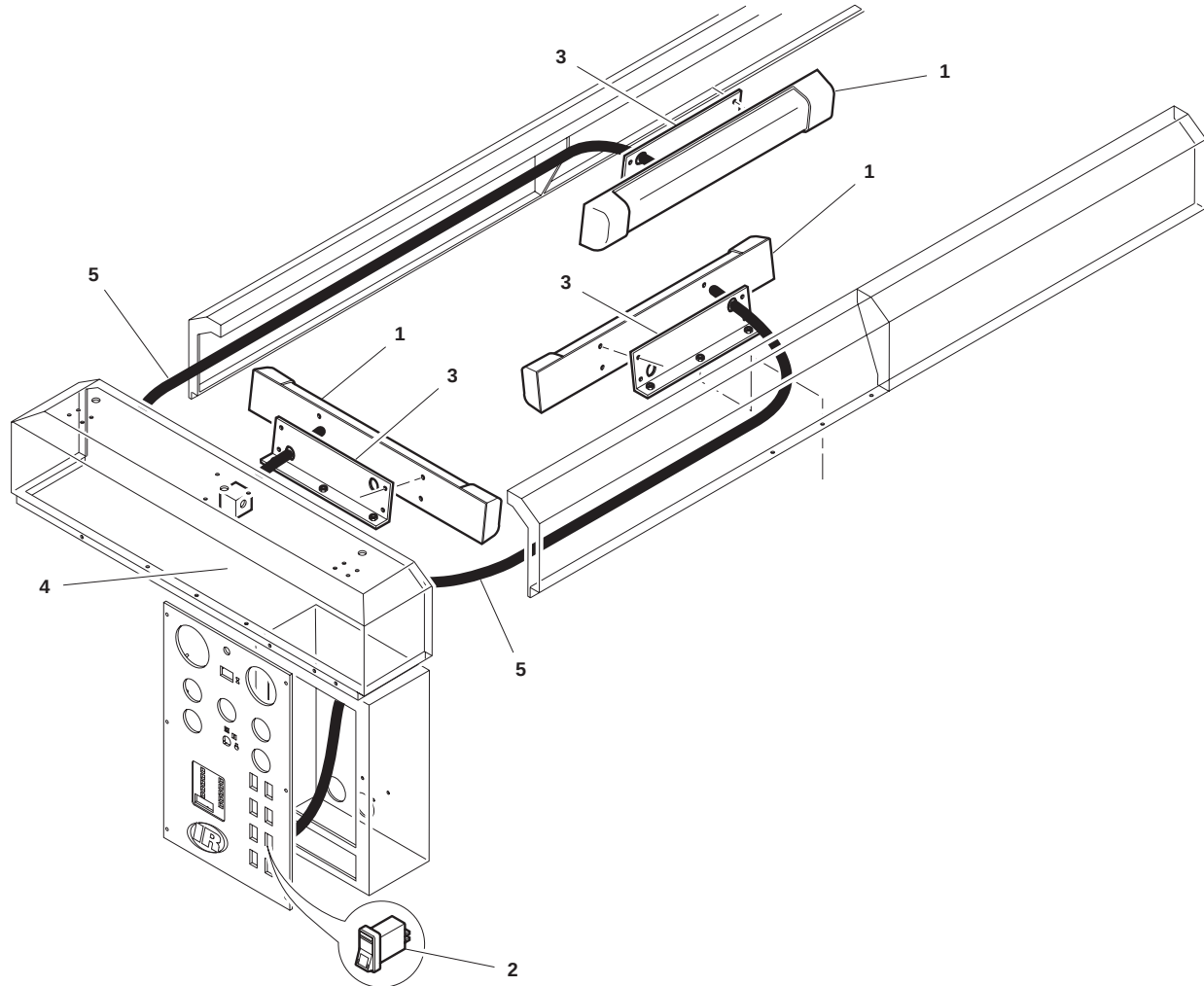
Option - Worklights



22560833_108_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



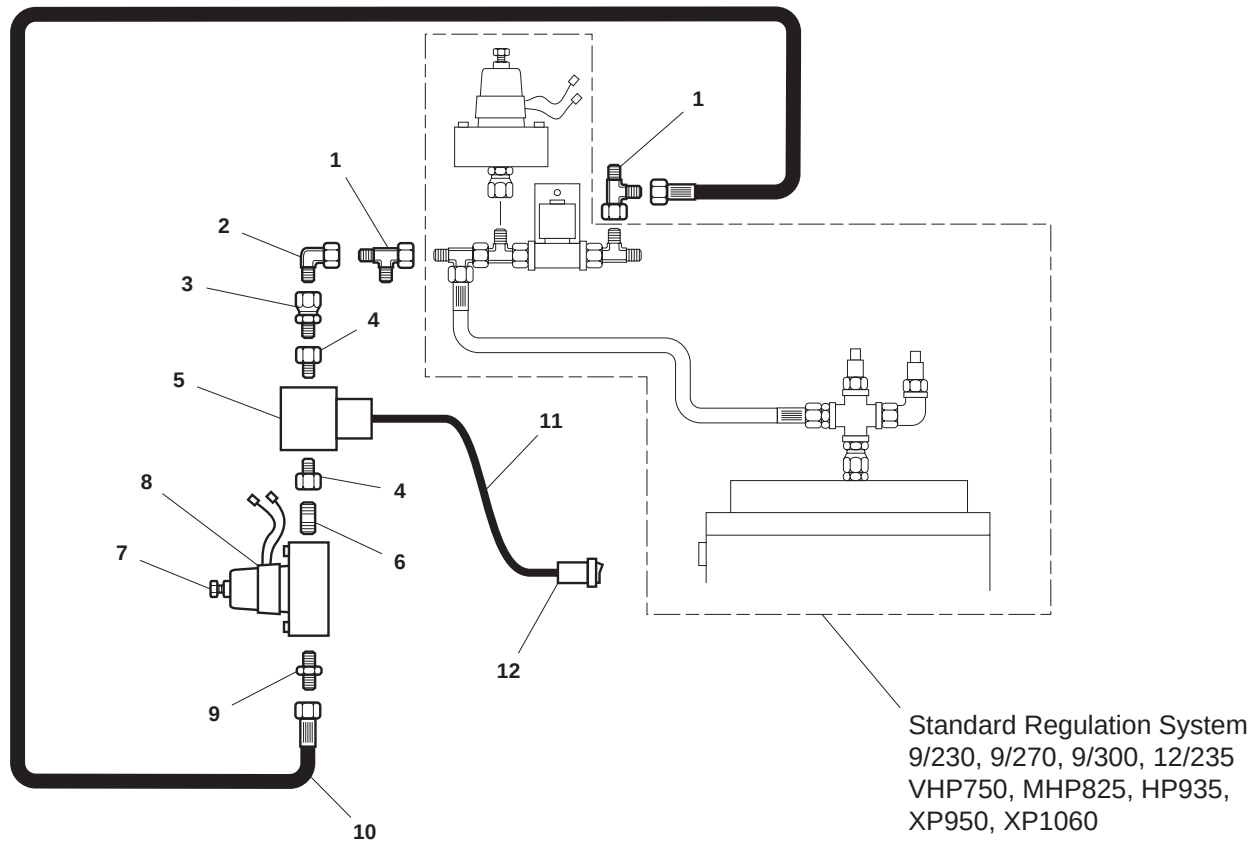
22560833_109_11/04_A

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	

22560833

Option - Dual Pressure

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

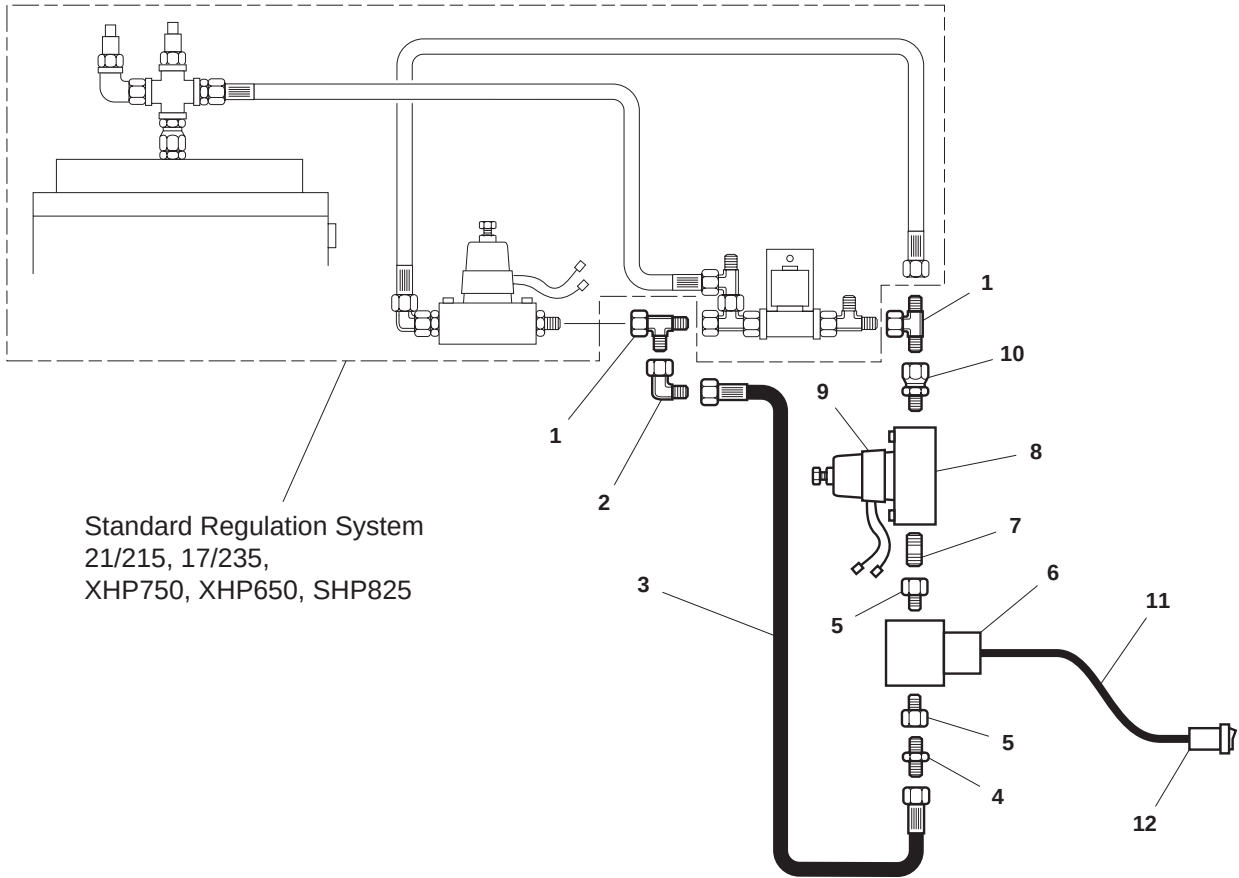


22560833_110_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35283084	Tee	2	
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	
				* Not Illustrated

Option - Dual Pressure

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



22560833_111_11/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35283092	Tee	2	* Not Illustrated
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	

Recommended Parts

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1 - 4	22354302	Kit - 0-50 Hours	1	
1	35362235	Filter, Oil (Engine)	1	
2	22090534	Filter, Fuel (Primary)	1	
3	22284376	Filter, Fuel (Secondary)	1	
4	36860336	Filter, Oil (Airend)	2	
1 - 6	22354310	Kit - 500 Hours	1	
1	35362235	Filter, Oil (Engine)	1	
2	22090534	Filter, Fuel (Primary)	1	
3	22284376	Filter, Fuel (Secondary)	1	
4	22351654	Filter, Coolant (Engine)	1	
5	36860336	Filter, Oil (Airend)	2	
6	89288971	Filter, Air (Primary)	2	
1 - 7	22354328	Kit - 1000 Hours	1	
1	35362235	Filter, Oil (Engine)	1	
2	22090534	Filter, Fuel (Primary)	1	
3	22284376	Filter, Fuel (Secondary)	1	
4	22351654	Filter, Coolant (Engine)	1	
5	36860336	Filter, Oil (Airend)	2	
6	89288971	Filter, Air (Primary)	2	
7	89288989	Filter, Air (Safety)	2	
1 - 8	22354336	SHP, XHP, Kit - 2000 Hours	1	
1	35362235	Filter, Oil (Engine)	1	
2	22090534	Filter, Fuel (Primary)	1	
3	22284376	Filter, Fuel (Secondary)	1	
4	22351654	Filter, Coolant (Engine)	1	
5	36860336	Filter, Oil (Airend)	2	
6	89288971	Filter, Air (Primary)	2	
7	89288989	Filter, Air (Safety)	2	
8	89202022	Element, Separator	1	
1 - 8	22354344	HP, XP, MHP, VHP, Kit - 2000 Hours	1	
1	35362235	Filter, Oil (Engine)	1	
2	22090534	Filter, Fuel (Primary)	1	
3	22284376	Filter, Fuel (Secondary)	1	
4	22351654	Filter, Coolant (Engine)	1	
5	36860336	Filter, Oil (Airend)	2	
6	89288971	Filter, Air (Primary)	2	
7	89288989	Filter, Air (Safety)	2	
8	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

*****Always use Ingersoll-Rand Replacement parts!*****



Symbols

(SHP825 XHP750 XHP650) 66

(VHP750 XP950 XP1060) 66

* Not Illustrated 113

Numerics

17/235

21/215

SHP825

XHP750

XHP650 88

6X5 Offset 107

9/230

9/270

9/300

12/235 78, 88

A

Actuator

Hydraulic Surge 20

Adaptor 46, 64, 65, 68, 70, 73, 75, 76, 77, 78, 79, 80, 82, 83, 84, 85, 86, 87, 93, 96, 97, 98, 101, 102, 103, 110, 111, 113, 116

Orifice 87, 101, 113, 117

SW Nut 116

Adjuster 11

Aftercooler 94, 97, 99, 102

Air Intake System 59, 60, 61

Airbox

HSRG 51

SRG 51

Airend (Bare) 33

Airend Assembly 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44

Airend Pipework 45, 46, 47, 48

Angle

Cooler Seal 49

Arrestor

Spark 106

Axle Assembly

Front 20, 24

Rear 20, 24

B

Baffle 52, 53

Bail

Lifting 50

Ball-Joint 81

Band

Mounting 62, 106

Bar

Bumper 27

Base 20, 24

Cable Tie 105, 108, 109, 113

- Battery 92
- Battery Connection 29
- Beam 10
 - Rear Axle 12
- Bearing
 - Bronze 14, 15
 - Inner 9, 11
 - Outer 9, 11
- Bearing Cone
 - Inner 18, 22
 - Outer 19, 23
- Blade
 - Fan 31
- Body 15, 80, 88
- Bolt
 - Eye 50, 53
 - U 18, 48
- Box
 - Pintle 15
- Bracket
 - HSRG 74
 - Left Hand 27
 - LH 39
 - Parking Brake
 - Left Hand 25
 - Right Hand 25
 - Primary Fuel Filter Mounting 51
 - RH 39
 - Right Hand 27
 - SRG 74
- Brake A
 - Left Hand 29
 - Right Hand 29
- Brake Actuating Lever Kit
 - Left Hand 22
 - Right Hand 22
- Brake Assembly
 - Left Hand 18, 22
 - Right Hand 18, 22
- Brake B
 - Left Hand 30
 - Right Hand 30
- Brake Cylinder Kit
 - Left Hand 18
 - Right Hand 18
- Brake Magnet Kit 22
- Brake Shoe & Lining Kit
 - Left Hand 18
 - Right Hand 18

- Brake Shoe and Lining Kit 22
- Brake Spring Kit 19
- Bulb
 - Light 89, 105, 108, 113
- Bush 80
 - Reducing 46, 110, 111, 113, 116, 117
- Button
 - Emergency Stop 90
- C
- Cable 25, 92
 - Brake 14
 - HSRG with Electric Brake 26
- Cable - Not Illustrated 26
- Cage
 - Spindle Nut 19, 23
- Cap
 - Fuel Filler 64
 - Grease Fitting 8, 10, 14
- Capscrew Socket Head 113, 114
- Catch (Female) 53
- Catch (Male) 53
- Chalwyn Valve 107
- Circlip 42
- Clip 20, 23, 25
 - Hose 28, 76
 - Retaining 69, 73, 95, 100
 - Tube 28
- Cock 65
- Collar 71
- Compressor 77, 84
- Conduit 29
- Connector
 - Flexible 62
- Contact Modules
 - Emergency Stop 90
- Cooler
 - Charge 66
 - Oil 66
- Cooling System 66, 67
- Cotter 26
- Coupling Assembly 36, 39
- Coupling Element 36, 39
- Cover
 - (HA) Machine 50
 - (W) Machine 50
 - HSRG 91
 - Hub 9, 11
 - SRG 91
- Crank 19, 23

- Cross 75, 77, 83, 85
- Cylinder Assembly 82
- D
- Decal 90, 105
- Decal for LP/HP Regulator 110, 111
- Diaphragm
 - Unloader Valve 80
- Door 52
- Door Assembly 52
- Dowel 40, 41, 42
- Drawbar 8, 17, 21
- Drawbar Assembly 8
- Drive Shaft 37
- Drop-Tube 78
 - HSRG 64
 - SRG 64
- Drum
 - Rear Brake 11
- Duct 52, 60
- E
- Elbow
 - Orifice 79, 116
 - Push in 116
 - SW Nut 116
- Element 48, 68, 94
 - Air Filter (Main) 59, 60
 - Air Filter (Safety) 59, 60
 - Coolant Condition 32
 - Fuel Filter (Primary Filter) 31
 - Fuel Filter (Secondary Filter) 31
 - Separator 112
- Element with Gaskets 69, 72
- Enclosure 49, 50, 51, 52, 53
- Engine 300hp
 - 31
- Engine Assembly 31, 32
- Engine Exhaust System 62
- Engine Front Mount 31
- Equalizer 17, 21
- Equalizer Bracket 26
- Expander 12
- Eye
 - Lunette 24
 - Pintle 8
- F
- Fan 31
- Fastener - 1/4 Turn 90
- Fasteners Index 114, 115
- Ferrule 71

Filter 94

- Air 59, 60

- Air (Primary) 112

- Air (Safety) 112

- Coolant (Engine) 112

- Fuel 64

- Fuel (Primary) 112

- Fuel (Secondary) 112

- Oil 32

- Oil (Airend) 112

- Oil (Engine) 112

- Primary 99

- Secondary 99

Filter Assembly 47, 48, 68

Fitting

- Barbed 117

- Grease 8, 10, 14

Flange 43, 61

Foam 54, 55, 56, 57, 58

- HSRG 55, 56

- SRG 55, 56

Foam - High Ambient 58

Frame 50

Front Axle Assembly 9

Front Hub Assembly 9

Fuel System 64, 65

Fuel Tank Assembly 64

Fuse 113

G

Gauge

- Fuel 89

- Oil Level 69, 71, 73

- Pressure 89, 93, 95, 100

- Temperature (Discharge) 89

- Voltmeter 89

- Water Temperature 89

Gear Case 35, 37

Gear-Set (Refer to Table) 35, 37, 44

Gear-Set (Refer to table) 40

Glossary of Non-Illustrated Items 113

Grease Cap 19, 23

Grease Cap Plug 19, 23

Ground Point Connection 29

Guard

- Belt Side 51

- Belt Top 51

- Bottom 35

- Top 35

H

Handle 24

- Parking Brake 14

- Valve 94, 97, 99, 104

Handrail 49

Hanger

- Center 17, 21

- Front 17, 21

- Rear 17, 21

Harness 29, 95, 100, 105, 109, 110, 111, 113

- Lights 108

Heater 75, 84, 87, 102, 110, 111

High Ambient Muffler 63

High Speed Running Gear 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30

Hinge 52, 90, 91

Hinge Bracket

- HSRG 91

Holder 12

- Manual 113

Hook

- Safety 16

Hourmeter 89

Housing 33, 34, 38, 40, 42, 80, 88

HP

- XP

- MHP

- VHP

- Kit - 2000 Hours 112

HP935

- XP950

- XP1060 75

HSRG with Hydraulic Brake. 26

Hub 36, 39

Hub Assembly 19, 22

Hydraulic Parking Brake Cable does not 26

I

Indicator 71, 95, 100

- Air Restriction 59, 61

Instrumentation/Electrical System 89, 90, 91, 92

J

Jack

- Extended Leg Assembly 19, 23

K

Key 34, 35, 37, 38, 40, 42

Kit

- Minimum Pressure Valve 88

- Water Separator Mounting 99

Kit - 0-50 Hours 112

Kit - 1000 Hours 112

- Kit - 500 Hours 112
- Kit - Fixing 94
- Kit - Internal Manuals 113
- L
- Latch 15, 90
 - HSRG 91
 - SRG 91
- Left
 - Front Axle Stub 9
- Lever 16, 43, 81
- Light 27, 89, 105, 108, 109
 - Left Hand 27
 - License Plate 30
- Rear
 - Left Hand 30
 - Right Hand 30
- Right Hand 27
- Side
 - Left Hand
 - Front 29
 - Rear
 - Left Hand 30
 - Right Hand
 - Front 29
 - Rear 30
- Light Module 89
- Link 18, 22
- Lock 53
- Lock Washer 32, 65
- Locknut
 - Nylon 113
- Lockwasher 113, 114
- M
- Mag Speed Pickup 32
- Manifold 48, 95, 100
- Manual
 - Operation and Maintenance 113
 - Operation and Maintenance with Parts Catalogue 113
 - Parts Catalogue 113
- Mount 32, 34, 39, 62, 106
- Muffler 63
- N
- Nipple
 - Reducer 117
- Nut
 - Adaptor 16
 - Cap 117
 - Gland 71
 - Wheel 9, 11

Nutsert 63

O

Offset 107

Oil/Air Piping 68, 69, 70, 71, 72, 73, 74

Option 113

Option - Dual Pressure 110, 111

Option - Flashing Light (Low Fuel Shutdown) 105

Option - IQ 95, 96

Option – IQ Dual Filter 99, 100, 101

Option - IQ LP 94

Option - Oil/Air Piping (Aftercooler) 97, 98

Option - Oil/Air Piping (Aftercooler) 102, 103, 104

Option - Overspeed Valve 107

Option - Pressure Reducer 93

Option - Service Lights 109

Option - Spark Arrestor 106

Option - Worklights 108

Orifice 33, 77, 79, 84, 96, 98, 102, 103

O-Ring

IQ Filter 99

IQ Filter Spacer 99

P

Panel

Baffle Fan

Orifice 50

Cover

Left Hand 51

Right Hand 49

HSRG 51, 52, 53

Instrument Box 52

Left Hand 49

Orifice 49

Right Hand 49

Orifice 49

Roof Muffler HA 50

SRG 51, 52, 53

Pin 8, 16, 20, 23, 26, 36, 39

Ball 10

Cotter 9, 11, 16

King 9

Large 15

Locating 33, 35, 38

Small 15

Pin and Chain Assembly 20, 24

Pintle Box Assembly 14

Pintle Eye 20

Pipe 59, 62, 68, 72, 106

Flexible 73

Piston 41, 44, 80, 88

- Plate 8, 18, 22, 40, 41, 42, 43, 44
 - Adaptor 39
 - Aftercooler 99
 - Retaining 38, 40, 44
 - Rotation Stop 8
 - Valve 94, 97, 99, 104
- Pressure Regulator 110, 111
- Pump 41
- R
- Radiator 66
- Radiator & Cooler Assembly 66
- Raincap 62, 63, 106
- Ratchet
 - Brake 14
- Rear Axle Assembly 11, 16
- Receptacle
 - Fastener 90
- Recommended Parts 112
- Reducer 65, 84, 107, 113, 117
- Regulation System 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88
- Regulator 85
- Regulator 12/235
 - VHP750
 - MHP825 75
- Regulator 9/230
 - 9/270
 - 9/300 75
- require items 13
 - 14 and 15 26
- Retainer 33, 90
- Right
 - Front Axle Stub 9
- Ring
 - Retaining 36
- Rod 16, 81
 - Track 10
- Rotor Set 34, 40, 42
- S
- Scavenge Tube 86
- Screen
 - Security 113
- Screw
 - Self Tapping 113
- Seal
 - Grease 18, 22
 - Shaft 35
 - Sight Glass 71
- Sender Unit
 - Fuel Gauge

- HSRG 65
- SRG 65
- Sending Unit
 - Compressor Discharge 70
 - Compressor Temperature Gauge 72
 - Engine Coolant Temperature 32
 - Engine Oil Pressure Gauge 32
- Sensor
 - Coolant Level 67
 - Temperature 70, 72, 77, 86
- Separator
 - Water 94, 97, 99, 102
- Set
 - Belts 31
- Setscrew 45, 113, 114, 115
- Shackle
 - Front 12
 - Rear 13
- Shaft
 - Tow Bar 8
- Shim Set 33, 38, 41, 44
- Shoe
 - Brake 11
- SHP
 - XHP
 - Kit - 2000 Hours 112
- Sight-Glass 71
- Silencer 62, 113, 117
- Sleeve 66, 67
- Spacer
 - Filter Port 99
- Spindle Nut 19, 23
- Spindle Washer 19, 23
- Spring
 - Gas 52
 - Leaf 13
- Spring Base
 - Lower 13
 - Upper 13
- Steerable Running Gear 8, 9, 10, 11, 12, 13, 14, 15, 16
- Stem
 - Valve 10, 13
- Stop
 - Bumper 17, 21
- Stud 43, 61, 92
 - Wheel 9, 11
- Subframe 17, 21
- Support 24, 59, 60, 90
 - Belt Guard 51

Switch 86, 92, 108, 110, 111

Breakaway 29

Heater 90

Light 89

Oil Pressure 46, 69

Push after Warm Up 90

Start 89

Switch Rocker 109

T

Tachometer

Alternator 89

Tank

Fuel

HSRG 64

SRG 64

Separator 68, 72

Tee

SW Nut Branch 116

SW Nut Run 116

Temperature Gauge 70

Tie 103

Cable 105, 108, 109, 113

Tie Rod

IQ Filter Assembly 99

Track Rod Assembly 10

Transducer

Pressure 76, 77, 78, 83

Tube 20, 23, 24, 28, 62, 63, 67, 106

Tube (Nylon) 64, 95

Tube Assembly 34, 36, 45, 46, 47, 48, 68, 69, 72, 74, 93, 94, 95, 97, 98, 99, 100, 102, 103, 104

Tube Fitting Index 116, 117

Tyre 10, 13, 19, 23

U

Undertray

Front

HSRG 51

Undertray (F) 49

Undertray (R) 49

V

Valve 43, 59, 60, 74, 80, 94, 97, 99, 104

Auto Blowdown 87

Ball 69, 72, 76, 87, 113, 117

Blowdown 78, 95, 98, 100, 103

Check 73, 77, 84, 86, 94, 98, 99, 103

Minimum Pressure 88

Pressure Reducer 93

Safety 43, 47, 69, 72, 83

Solenoid 75, 78, 82, 85, 110, 111

Thermostatic 68, 72

Unloader 80
Valve Assembly 80
VHP750

MHP825

HP935

XP950

XP1060 78, 88

W

Washer 8, 10, 12, 13, 14, 15, 16, 17, 20, 21, 26, 31, 32, 34, 46, 50, 51, 61, 68, 76, 80, 81, 82, 83, 84, 90, 92, 94, 97, 99, 104, 113, 115

Hub 9, 11

Nylon 50, 53, 113

Snubber 17, 21, 32, 39

Spring 113, 114

Wedge 12

Wedge Controller 90

Wheel 10, 13, 19, 23

Wheel & Hub Assembly 18, 22

Wheel Nut 19, 23

Wheel Nut Clamp 19, 23

Wheel Stud 19, 22

X

XP950

VHP750

MHP825

XHP650 31

Y

Yoke 14, 16

Y-Strainer 98, 101, 102

Symbols

- 22, 55, 64, 87

-- 18, 29, 30, 31, 35, 37, 40, 44, 50, 73, 82, 83, 85, 90

Numerics

22050553 89

22050991 89

22052278 67

22053458 31

22053896 89

22054050 90

22054076 90

22054084 110, 111

22054142 90

22054159 90

22055800 90

22055883 89

22056105 62

22056188 56

22056212 54

22058556 67

22058564 66

22065973 39

22068845 99

22072151 53

22075279 39

22075287 39

22075295 43, 61

22075592 34

22079636 67

22079651 50

22079677 49

22079685 49

22079750 51

22081988 49

22090534 31, 112

22092795 64

22093009 72

22093942 59, 60

22094759 65

22097448 51

22097646 31

22097653 67

22099469 91

22099477 91

22099584 91

22101059 91

22101067 91

22102339 67

22103287 52

22104756 53
22105134 90
22105571 89
22105613 89
22105621 89
22105639 89
22107981 67
22110852 54
22110860 54
22110878 54
22110886 54
22111439 54, 58
22111447 54, 58
22111454 54
22111470 54
22111488 54
22111496 54
22113880 89
22114218 54
22119218 70
22122956 53
22122972 52
22122980 52
22122998 53
22123004 53
22123012 52
22123020 52
22123038 52
22123079 52
22123095 49
22123236 50
22123301 49
22123327 52
22123335 52
22123368 52
22123384 52
22123418 49
22123491 69, 73
22124291 74
22126197 66
22126460 67
22127492 49
22130314 85, 111
22130322 68
22130801 68
22132898 49
22132906 51
22133425 49
22134118 89

22134167 62
22134175 62
22137939 68, 72
22138259 68, 72
22138721 68, 72
22139752 68, 72
22141196 68, 72
22144505 72
22144513 66
22144711 52
22146989 55
22147029 55
22147045 57
22147052 57
22147219 55
22147227 55
22147425 56
22148357 55
22148365 55
22148894 57, 58
22149199 55, 58
22149207 55, 58
22149355 55, 58
22149520 59
22150023 66
22150031 66
22150213 66
22150353 50
22153225 57
22153233 57
22155451 65
22155469 64
22162572 95, 100
22163919 17, 21
22173579 90
22173868 60
22180491 53
22180509 53
22180897 49
22181069 49
22181077 51
22182984 74
22183990 64
22184675 17, 21
22184691 53
22184907 52
22185037 52
22186126 62
22186233 52

22188262 67
22189492 27
22189500 27
22193031 50
22194567 63
22196786 50
22200273 51
22200737 51
22200745 51
22205942 51
22207997 27
22208938 52
22215057 26
22215545 24, 25
22215552 24, 25
22222459 18, 22
22222475 18, 22
22222483 19, 23
22231476 86
22243141 99
22243158 99
22246714 77, 84
22246722 68
22254403 105
22255137 105
22256515 10, 13
22258115 60
22258529 60
22258545 59
22265748 57, 58
22265839 56
22265847 56
22265854 56
22267322 49
22267330 57, 58
22277057 89
22279566 64
22281174 51
22284261 63
22284376 31, 112
22285795 98, 103
22290019 99
22290027 103
22300339 55
22300552 55
22300594 57
22300669 56
22306633 29
22306674 57

22306690 57
22318596 51
22319685 19, 23
22320725 19, 23
22320865 20, 24
22320873 20, 24
22321475 62
22327266 89
22329817 50
22329916 107
22330039 19, 23
22331326 19, 22
22331763 19, 23
22332449 19, 22
22332605 68, 72
22333512 107
22333520 107
22333538 107
22334635 106
22334650 106
22339683 110, 111
22343545 10, 13
22349914 26
22350839 108
22350847 109
22351019 108, 109
22351654 32, 112
22354302 112
22354310 112
22354328 112
22354336 112
22354344 112
22362933 39
22362941 39
22377675 31
22391718 14
22391726 9
22391734 10
22391742 11, 16
22391759 8
22391767 8, 10, 14
22391783 8, 15
22391791 8, 14
22391809 8
22391817 8
22391825 8
22391833 8, 16
22391841 8
22391858 8, 10, 14

22391866 8
22391874 8
22391882 8, 14, 15
22391890 8, 15
22391908 14
22391916 15
22391924 15
22391932 15
22391940 15
22391957 15
22391965 15
22391973 14
22391981 14
22391999 14
22392005 14
22392013 14
22392021 14, 16
22392039 14, 16
22392047 15
22392054 15
22392062 15, 16
22392070 13
22392088 13
22392096 13
22392104 13
22392112 12
22392120 9
22392138 9, 11
22392146 9, 11
22392153 9, 11
22392161 9, 11
22392179 9, 11
22392187 9
22392195 9
22392203 9, 11
22392211 9, 11
22392229 9, 11
22392237 9, 11
22392245 10
22392252 9
22392260 10, 16
22392278 9
22392286 9
22392294 10
22392302 13
22392310 12
22392328 13
22392336 13
22392344 12

22392351 13
22392369 13
22392377 10
22392385 10
22392393 10
22392401 10
22392419 10
22392427 10
22392435 12
22392443 16
22392450 16
22392468 16
22392476 16
22392484 16
22392492 16
22392500 16
22392518 16
22392526 16
22392534 16
22392542 16
22392559 16
22392567 16
22392575 11
22392583 12
22392591 12
22392609 12
22392617 11
22392625 11
22392633 11
22392641 12
22392658 12
22392666 12
22392674 12
22392682 12
22407753 8
22407761 8
22407779 8
22407787 8
24906919 106
30641278 65
30898096 76
32580510 65
33297340 43
35072222 80
35082114 42
35092279 47
35104082 37
35113646 51, 67
35119718 76, 84

35119858 59
35123496 59, 60, 107
35127653 51
35144336 115
35148204 10, 13
35161025 107
35166404 83
35209048 51
35221639 69, 95, 100
35222017 67
35225093 95, 100
35248145 77, 84
35248319 98, 103
35253038 45
35255819 36
35258789 92
35262963 36
35271139 38
35271154 32, 44
35271170 59, 61
35271188 41
35272533 38, 41
35272541 38, 114
35272558 20, 24, 51
35272588 50
35272996 17, 21
35273366 90
35273408 40
35273416 114
35273937 34, 39
35277797 48
35279025 25, 59, 61, 62, 63, 70, 73, 106
35279827 48, 76, 79, 110, 116
35279850 116
35279934 96, 98, 116
35279942 70, 73, 88
35281336 59
35282920 77, 84
35282946 75
35282979 76
35282987 95
35282995 65
35283050 77, 79, 82
35283068 47, 84, 111, 116
35283076 116
35283081 98
35283084 110, 116
35283092 76, 78, 87, 111, 116
35283241 76, 87

35283282 77, 86, 87, 110
35283464 100
35283472 77, 101, 104, 116
35283480 95, 100
35283498 100, 104
35283506 65
35284082 75, 77, 78, 79, 83, 96, 98, 101, 103, 110, 111
35284504 83
35285162 105
35285626 43
35287556 47, 48
35287721 45
35287895 45, 48
35287911 45
35288034 101
35288166 46
35288422 24, 25
35290147 75, 76, 85, 86
35294156 45
35294487 77, 84
35294677 46
35294719 85
35294727 45
35294735 45, 47
35295336 33
35295344 42
35296227 117
35296409 70
35297340 17, 21
35299361 33
35300193 40, 42, 44
35300201 40
35301225 101, 104, 116
35302314 46, 79
35304047 17, 21
35306091 76, 84, 86
35306638 48
35306687 100
35307131 62, 106
35309715 47
35310960 101
35311026 78
35311463 40, 41, 42, 44
35311471 95, 100
35313303 63
35313568 35
35314582 90
35315217 19, 23
35315944 29

35316348 64
35316876 18, 22
35316884 18, 22
35317700 81
35318146 37
35318161 88
35321983 77, 79
35322346 77, 79, 84
35322379 78, 95, 98, 100, 103
35323591 101
35323724 78, 84, 95, 100, 111
35324839 76, 87
35324987 96, 101
35325133 83
35326958 17, 21
35326966 17, 21
35327204 80
35327840 24
35328210 80
35328228 80
35328236 80
35328244 80
35328251 80
35328269 80
35330570 67
35331578 80
35331586 80
35331883 43
35332683 80
35332691 80
35335124 99, 102
35335715 95
35336122 38, 40, 42
35336130 40, 42
35336419 28
35337583 38
35355502 43
35355767 44
35355775 38
35355783 42
35355791 40
35355809 37
35355817 40, 42
35355825 44
35355833 44
35355841 44
35355858 44
35355866 40
35355874 41

35355916 41
35355924 41
35355940 41
35355957 41
35355965 40
35355973 40
35355999 40
35356039 42
35356302 28
35356310 28
35356328 28
35356336 28
35356369 28
35356484 64
35356526 20, 24
35356914 19, 23
35356922 18, 22
35356930 17, 21
35357151 26
35358274 34
35358829 25
35361286 37
35361310 34
35361328 35
35362235 32, 112
35364975 35
35364991 45, 46
35366251 42
35366657 41
35367044 30
35367051 29
35367846 75, 76, 87, 96, 98, 101, 103, 110, 111
35368927 75, 79
35369180 90
35369347 64
35369370 96
35369438 41
35369800 18, 22
35370063 48
35371996 38
35372002 37
35372010 38
35372028 38
35374453 24
35375385 69, 88
35376094 20
35379387 19, 23
35379395 19, 23
35385277 19, 23

35385293 19, 23
35536304 115
35579630 69, 73, 88
35591163 80
35591189 80
35592534 80
35593508 35
35600014 40
35600022 40, 42
35600030 42
35600105 44
35600113 41
35602457 44
35602473 69, 72
35602846 26
35602895 25
35602903 25
35603349 90
35604115 89
35605187 20
35605203 44
35606490 47
35609098 48
35609544 20, 24
35609874 32
35610153 38
35610195 37
35610203 38
35610385 18, 21
35856350 41
35856418 44
35856467 37
35857036 62, 63
35859396 24
35859404 25
35861137 46
35863885 45
35864644 41
36005031 34
36006732 40
36385392 18
36500734 41
36501013 44
36504116 37
36506756 47
36507515 35
36722452 80
36722460 80
36734424 20

36737161 38
36738128 40
36738797 42
36742880 24
36743722 46
36743797 45
36743805 47
36743870 46
36743896 45
36743904 48
36743912 47
36743920 47
36743961 48
36745669 46
36745792 47
36746626 45
36748093 47
36748101 48
36750909 37
36756120 48, 68
36757581 46, 69
36758357 46
36759447 48
36763704 44
36764785 36
36782837 27
36785319 32
36787026 62, 106
36787034 62, 106
36798205 48
36798346 35
36798361 35
36840460 75, 79
36840841 75, 78, 110, 111
36840908 90
36841138 32, 70, 72
36841153 89
36841468 89
36841526 84, 102
36842300 85
36842318 82
36843720 73
36844124 90
36844579 98, 101, 102
36844975 92
36845014 64
36845022 64
36845030 43
36845048 43

36846400 36
36846418 35
36846426 35
36846442 35
36846517 47
36846707 47
36847838 59, 61
36847853 103
36850584 45
36850691 77, 84
36851459 35
36851618 35
36852499 76, 87
36852622 89
36854149 75, 110
36854677 75, 87, 110, 111
36854925 35
36855377 22
36855385 22
36860336 48, 68, 112
36865772 37
36865962 18, 22
36867281 28
36870053 20, 23
36870087 20, 24
36870095 20, 23
36870103 20, 23
36870111 19, 23
36870129 19, 20, 23
36870145 20, 24
36870590 89
36870608 32
36877793 17, 21, 27, 67, 73, 74
36879195 81
36879203 17, 21
36879302 17, 21
36879492 27
36880995 24, 25, 36, 39
36881290 28
36881886 49, 59, 61, 62, 81, 82, 99, 104, 106
36888055 65
36889608 49, 51, 59, 61, 62, 81, 82, 96, 99, 101, 104, 106
36890650 68
36891497 74
36891794 22
36891869 70
36893634 29, 30
36893824 68, 72
36894673 28

36894699 28
36895225 17, 21
36895241 18
36895258 18
36895746 63
36895779 18
36895787 18
36895795 19
36895803 22
36895811 22
36895829 22
36895837 22
36895860 27, 30
36896892 75
36896975 92
36897668 59, 60, 107
36897851 18
36897885 18
36898096 84, 85, 96, 101
36898104 76, 85
36898922 70, 72, 77, 86
36899599 95, 100
36899615 95, 100
36899979 70
36920825 77, 78, 83
37001252 28
37081528 98, 102
39101449 38
39125000 41
39136346 115
39137526 117
39137534 116
39145008 115
39155239 114
39253984 34
39253992 36
39322706 36
39326483 36
39326749 36
39326756 34
39326780 33
39326798 33
39326806 33
39330626 33
39436977 33
39437686 33
39483888 117
39487830 70, 73
39889720 34

39890553 33
39891486 33
39911284 34
39911292 36
39925367 34
42437525 33
46355602 97, 102
50763325 115
54375845 56
54378526 69
54378534 70
54398250 117
54400031 36
54400049 36
54401583 97
54443213 52
54444427 66
54496773 76
54511282 92
54518667 74
54566781 50
54571443 51
54571450 99
54571765 88
54575972 93
54575980 94, 97, 102
54576004 99
54576012 94, 98
54576020 99, 104
54576038 69, 72
54576079 94, 97, 99, 104
54578711 95, 100
54578869 95, 98, 100, 103
54579172 117
54579404 95, 100
54591961 94, 97, 99, 104
54592001 94, 97, 99, 104
54592167 96, 101
54592176 117
54598784 96
54635586 94, 98, 99, 103
54635594 116
54635602 94, 99
54635610 94, 97
54636733 117
54640255 95, 100
54657408 50
54658323 92
54658331 92

54671557 27, 30
54691557 30
54709928 68, 72
54709944 94, 97, 99, 102
54718432 86
54719141 17, 21
54731617 99
54731625 99
54738992 99
54739008 99
54739057 94
54739065 94
54763495 31
54765946 86
54766704 89
54773791 110, 111
55571450 95
56797652 49
85507911 27
88100284 116
88114640 117
88114954 92
88120100 114
88125414 117
88152392 91
88153721 116
89201768 43, 82
89201966 81
89202022 72, 112
89202188 82
89209717 34
89232086 67
89244008 116
89249072 82
89252118 81
89252126 43, 81
89252837 117
89252845 117
89285161 112
89285761 69
89285803 69
89285829 59, 60
89285837 59, 60
89286041 56
89286058 56
89286090 57
89286157 56, 58
89286165 56
89286306 56

89286785 88
89287346 64
89287684 52
89287692 52
89287957 49
89288005 59
89288492 65
89288757 53
89288971 59, 60, 112
89288989 59, 60, 112
89289185 78
89289383 61
89291900 117
89292411 96, 97, 117
89297600 50
89297618 50, 53
89297634 60
89297642 74
89298145 117
89298335 78
89298855 106
89298889 106
89299242 106
89299382 105
89299424 69, 72
89299440 61, 107
89299861 66
89299879 66
89299945 50
89303127 90
89303135 90
89303143 108
89303226 109
89303275 109
89304059 72
89304067 69
89304224 53
89304844 59, 60
89304851 59, 60
89393150 108
89799840 50, 53
90103185 115
90103854 114
91112201 94, 97, 102
91198671 94
92031657 74
92032648 88
92041441 36, 39
92041458 36, 39

92041466 36, 39
92042241 50, 53
92042936 61, 76, 79, 86, 87, 116
92043116 74
92044098 88
92061324 114
92061332 114
92061480 115
92061498 115
92061944 88
92062157 32
92079474 61, 82
92079479 87
92079532 116
92080811 79, 116
92086149 116
92087840 116
92094994 71
92095363 69, 71
92095371 71
92095389 71
92095397 71
92095405 71
92095413 71
92095421 71
92095439 71
92095447 71
92096031 65, 114
92098235 116
92101054 86, 117
92101112 115
92118462 82, 116
92123215 116
92173780 116
92176114 115
92178524 117
92179043 115
92182138 114
92184811 115
92253194 74
92253889 116
92255934 117
92257351 117
92257401 80
92272368 45
92272756 65, 115
92274828 114
92276096 62, 106
92280940 115

92280965 114
92280973 115
92293661 71, 116
92294461 117
92304369 115
92304393 44, 115
92304401 115
92304427 115
92304435 37, 115
92304443 115
92304492 82
92304518 114
92304526 114
92304559 50, 53
92304575 114
92304583 82, 115
92304609 115
92304617 46
92304625 115
92304666 114
92304674 32, 114
92304682 114
92311695 32, 114
92311703 32, 114
92329341 115
92339688 115
92340058 82
92340439 115
92341239 115
92341973 115
92341981 92, 115
92344423 116
92354380 117
92359363 115
92359371 114
92368687 114
92391358 114
92391374 114
92391382 50, 51
92394261 116
92394279 61
92394295 116
92394352 117
92395508 116
92398106 91, 114
92398114 114
92398122 115
92398130 115
92398627 115

92415363 86, 116
92419563 74, 116
92419886 114
92420058 116, 117
92421353 43
92421411 114
92434315 105, 108
92451962 94
92452192 94
92478387 85, 116
92484880 114
92495597 34, 114
92513183 117
92697333 80
92700590 114
92707801 38
92756832 103, 116
92764372 43
92776749 92
92788918 116
92799378 109
92808591 107
92821677 114
92864115 94, 97
92879261 114
92892934 72
92892959 87
92892967 73
92892975 88
92893221 73
92894518 34, 39
92895267 72
92895317 73, 116
92896158 115
92898576 69, 73
92902733 96, 116
92905207 116
92912021 81
92912419 52
92922856 53
92922863 53
92951075 88
92955244 87, 117
92956093 85, 111
92956945 93
92956952 93
92957091 93
92963529 75
92971803 86, 116

92971811 87, 117
92972140 114
92972157 115
92984657 74, 116
93152593 116
93166593 117
93186278 96, 101
93500726 114
93524007 105, 108, 109
95000410 41
95022372 37
95022380 69
95023388 33
95026290 41
95038048 46
95055349 114
95069522 41
95209367 114
95214524 43, 80
95214938 115
95215000 115
95223178 42
95239927 35
95242442 83
95245353 101, 102
95251138 115
95263190 80
95293320 47
95310116 116
95333274 65
95357943 48
95358164 35
95365078 78, 96, 98, 101, 103
95371241 70, 116
95415667 76, 85
95431292 46, 70, 73
95470993 114
95588505 83
95659280 75, 85
95667341 79, 110, 111
95757183 75, 86
95765806 80
95772562 101, 102
95792321 114
95823688 88
95923298 83
95928255 62, 106
95928321 94, 97, 99, 104
95928867 26

95930301 46, 77, 79, 83
95934170 24
95934543 70, 73
95934774 96, 101
95934998 26, 61
95935003 17, 21, 31
95935011 17, 21
95935029 76, 81, 83, 84
95935037 32, 81, 90
95935052 20
95935599 96
95938114 86
95938197 70
95938205 34
95938213 33
95939741 68
95940748 77, 78, 85, 97, 101, 102, 110, 111
95944575 77, 79, 97
95944690 83
95949491 65
95953493 96
95953899 75, 84
95954293 77, 79
95978235 116
96700919 17, 21, 43
96701461 81
96701750 20
96701958 64
96702055 94, 97, 99, 104
96704283 31
96705983 114
96706254 114
96706262 114
96708337 115
96712179 114
96716105 114
96719265 81
96735543 24, 25, 61
96735550 81
96745807 91
96790717 43
N
N.S.S 29, 31, 99

